

Supplemental Table 1: The chemical composition of a commercial brand of tobacco-flavored nicotine-plus and nicotine-free e-cigarette aerosol using GCMS. Compounds that are common to both e-liquids are highlighted in red.

[illegible]

4-Ethoxymethyl-6-ethyl-2-hydroxy-nicotinonitrile	2-Pentanethiol
4-Methoxycinnamaldehyde	2-Propanol, 1-(2-propenyloxy)-
4,2,7-Ethanylidenebicyclopenta[b]pyran-9-one, 2,3,4,4a,7,7a-hexahydro-	2-Propanol, 1-butoxy-
4,4-Dimethyl-2-pentanol, trimethylsilyl ether	2-Propenoic acid, 3-(methylthio)-, methyl ester
4H-1, 4-Epoxy-4a, 7-methanonaphthalene, 1,5,6,7,8,8a-hexahydro-, (1a,4a,4aa,7a,7ab)-	2,2-Dimethoxybutane
5-Benzofurancarboxaldehyde, 2,3-dihydro-2-methyl	2,4-Disilapentane, 2,4-dimethyl-
5-Methyl methanethiosulphonate	2,4-Quinolinediol
6-Methyl-2-heptanol, trimethylsilyl ether	2,5-Methylene-d-rhamnitol
6-Propyltetrahydro-2H-thiopyran-2-one	2,5-Methylene-d,l-rhamnitol
Acetaldehyde, tetramer	2,5-Monomethylene-l-rhamnitol
Acetate, (3-(acetyloxy)-4, 5-dihydro-5-isoxazoly)methyl	2,7-Bis(spirocyclopropane)bicyclo[2.2.1]heptan-3-one
Acetic acid, (2-methoxyethoxy)-	2(1H)-Quinolone, 6-amino-3,4-dihydro-
Acetic acid, hydroxy-, ethyl ester	2(1H)-Quinolone, 6-amino-3,4-dihydro-
Acetylchloride	2H-Tetrazole, 2-(1,3-dioxolan-4-ylmethyl)-
Aldicarb	3-Acetoxy-3-hydroxy-2-methylpropionic acid, methyl ester
Allyl 2-ethyl butyrate	3-Allyloxy-1,2 propanediol
Allyl acetate	3-Deoxy-d-mannitol
Anabasine	3-Di-(tert-butyl)silyloxy-1-phenylpropene
Anisole, p-(1-ethylvinyl)-	3-Methoxycinnamaldehyde
α-β-D-Glucopyranoside, 1-deoxy-1-dodecylthio	3-Methyl-N-[2,2,2-trifluoro-1-(3,4,5, 6-tetrahydro-2H-[2,3''bipyridinyl-1-yl)-1-trifluoromethyl-ethyl]-benzamide
α-β-D-Glucopyranoside, 1-deoxy-1-undecylthio	3-Methyloxirane-2-carboxylic acid
Benzaldehyde, 2,3,4,5-tetramethyl-	3-Pyridinecarbonitrile, 2-methoxy-4,6-dimethyl-
Benzene, [1-(1,2,2-trimethylpropyl)oxy]-	3-Pyridinecarbonitrile 1, 2-dihydro-4,6-dimethyl-2-oxo-1-(tetrahydro-2-furanyl)methyl]-
Benzene, 1,3-bis(1-formylethyl)-	3,4-Furandiol, tetrahydro-, cis-
Bicyclo(4, 4,0)dec-1-ene, 2-isopropyl-5-methyl-9-methylene-	3,4-Furandiol, tetrahydro-, trans-
Bis(2-chloroethyl) sulfone	3,6,9,12-Tetraoxahexadecan-1-ol
Bis(β-chloroethyl) sulfoxide	3,6,9,12,15-Pentaaxanonadecan-1-ol
Boric acid, ethyl-, diethyl ester	3(2H)-Benzofuranone, 2,7-dimethyl-
Butane, 2-phenyl-3-(trimethylsilyloxy)-	3(2H)-Benzofuranone, 4,5-dimethyl-
Butane, 1,1'-(oxybis(2,1-ethanedioxy)) bis-	3(2H)-Benzofuranone, 4,6-dimethyl-
Butanoic acid, 3-hydroxy-3-methyl-, methyl ester	3(2H)-Benzofuranone, 6,7-dimethyl-
Butanoic acid, 3-hydroxy-ethyl ester	3(2H)-Benzofuranone, 4,7-dimethyl-
Butoxyacetic acid	3(2H)-Benzofuranone, 5,7-dimethyl-
Butyl 3-methylpentanoate	4-Hydroxy-1,7-dioxaspiro(5.5)undecane
Butyl caprylate	4-O-Methyl-d-arabinose
Caprylic anhydride	4,2, 7- Ethanylidenebicyclopenta[b]pyran- 9-one, 2,3,4, 4a, 7, 7a -he--ahydro-
Carbonochloridic acid, ethyl ester	4,4-Dimethyl-2-pentanol, trimethylsilyl ether
Carbonochloridic acid, ethyl ester	4,5-Dimethyl-3H-isobenzofuran-1-one
Cyanogen chloride	4H-1,4-Epoxy-4a, 7-methanonaphthalene, 1,5,6,7,8,8a-hexahydro-(1a, 4a,4aa,7a,7ab)-
D-Arabinitol	5-Ethyl-3-(4-methylphenyl)-4,5-dihydro-1,2,4-oxadiazole #
Desmethylnicotine	6-Methyl-2-heptanol, trimethylsilyl ether
Diacetyl sulphide	6-Propyltetrahydro-2H-thiopyran-2-one
Diglycerol	6,10,14-Trimethyl-pentadecan-2-ol, O-trimethylsilyl
Diglycolic acid	Acetic acid, (2-methoxyethoxy)-
Dihydrofuranno(3,2-f)coumaran	Acetic acid, 2,2'-[oxybis(2,1-ethanedioxy)]bis-
Diisopropyl(ethoxy)silane	Acetic acid, 3,3-dimethylbut-2-yl ester
Dimethyl 3,6,9,1 2,15,18-hexaoxaicosane-1,20-dioate	Acetic acid, hydroxy-, ethyl ester
Dimethyl 2-hydroxy-2-methylbutane, 1,4-dioate	Acetyl chloride
Dimethyl 3-sulfinopropionate	Aldicarb
Dimethyl 3,6,9,12,15,18,21-heptaotricosane-1,23-dioate	Allyl acetate
Dimethyl 3,6,9,12,15,18,21,24-octaoxaheacosane-1,26-dioate	Alpha-monopropionin
Dimethyl Sulfoxide	Anabasine
Dimethylamine, N-(neopentyloxy)	Anisole, p-(1-ethylvinyl)-
Dimethylphosphine	B-1-Rhamnofuranoside, methyl-5-O-acetyl-
Dimethylsulfoxonium formylmethylene	Benzaldehyde, 2,3,4,5-tetramethyl-
Disilane, 1, 1', 2,2-tetraethyl-	Benzaldehyde, 2-hydroxy-3-(2-propenyl)-
DL-Arabinitol	Benzene, 1,3-bis(1-formylethyl)-
di-Glyceraldehyde dimer	Benzofurazan, 4,5,6,7-tetrahydro-4-nitro-
di-Threitol	Bis(2-chloroethyl) sulfone
Erythritol	Bis(β-chloroethyl) sulfoxide
Ethane, (methylthio)-	Boric acid, ethyl-, bis(2-mercaptoethyl ester)
Ethane, 1-bromo-2-chloro-	Butanamide, 2-hydroxy-N,3,3-trimethyl-
Ethane,1-chloro-2-nitro	Butane, 1,4-diethoxy-
Ethanesulfonyl chloride,2-chloro-	Butane, 2-phenyl-3-(trimethylsilyloxy)-
Ethanesulfonyl chloride,2-chloro	Butane, 2,2'-thiobis-
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	Butane, 2,3-dichloro-, (R*,R*)-(±)-
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	Butane, 2,3-dichloro-, (R*,S*)-
Ethene,(methylsulfonyl)-	Butanedioic acid, 2-hydroxy-2-methyl-, dimethyl ester, (2R)-
Ethyl(dimethyl)ethoxysilane	Butanedioic acid, 2,3-dimethoxy-, diethyl ester
Fluoroacetic acid	Butanoic acid, 3-hydroxy-3-methyl-, methyl ester
Glyceraldehyde	Butanoic acid, 4-(1,1-dimethylethoxy)-3-hydroxy-, methyl ester, (R)-
Glycerin	Butanoic acid, 4-(1,1-dimethylethoxy)-3-hydroxy-, methyl ester, [R]-
Guanidineacetic acid	Butyl sec-butyl sulfide
Heptaethylene glycol	Butyric acid, 4-isopropoxy-, methyl ester
Heptyl caprylate	Carbonic acid, ethyl 2-mercaptoethyl ester
Hexane, 1,2,3-trimethoxy-	Carbonochloridic acid, ethyl ester
Hexanoic acid, 1-cyclopentylethyl ester	Cyclobutane-3,4-dione, 1,1-dihydroxy-2,2-dimethoxy-
Hexanoic acid, 1-methylethyl ester	Cyclohexyldimethylisopropoxysilane
Hexanoic acid, 2-ethylhexyl ester	D-Arabinitol
Hexanoic acid, 2-hexenyl ester, [E]	d-Ribose, 2-deoxy-bis(thiodicyl)- dithioacetal
Hexanoic acid, 2-methylpropyl ester	d-Ribose, 2-deoxy-bis(thioheptyl)-dithioacetal
Hexanoic acid, 2-tetradecyl ester	d-Ribose, 2-deoxy-bis(thiononyl)-dithioacetal
Hexanoic acid, 2-tridecyl ester	Desmethylnicotine
Hexanoic acid, 3-tetradecyl ester	Diacetyl sulphide
Hexanoic acid, 3-tridecyl ester	Dibutyl 2,2'-(ethane-1,2-diylbis(oxy))diacetate
Hexanoic acid, 4-hexadecyl ester	Diglycerol
Hexanoic acid, 4-methylpentyl ester	Dihydrofuranno(3,2-f)coumaran
Hexanoic acid, 4-octyl ester	Diisopropyl azodicarboxylate
Hexanoic acid, 4-tetradecyl ester	Diisopropyl(ethoxy)silane
Hexanoic acid, 4-tridecyl ester	Dimethyl 2-hydroxy-2-methylbutane-1,4-dioate
Hexanoic acid, 5-tetradecyl ester	Dimethyl 3,6,9,12-tetraoxatetradecane-1,14-dioate
Hexanoic acid, 6-tridecyl ester	Dimethyl 3,6,9,12,15-pentaaxaheptadecane-1,17-dioate
Hexanoic acid, butyl ester	Dimethyl 3,6,9,12,15,18-hexaoxaicosane-1,20-dioate
Hexanoic acid, cyclohexyl ester	Dimethyl Sulfoxide
Hexanoic acid, cyclopentyl ester	Dimethylamine, N-(neopentyloxy)-
Hexanoic acid, decyl ester	Dimethylphosphine
Hexanoic acid, dodecyl ester	Dimethylsulfoxonium formylmethylene
Hexanoic acid, hexyl ester	DL-Arabinitol
Hexanoic acid, nonyl ester	di-Glyceraldehyde dimer
Hexanoic acid, octyl ester	di-Homocysteine
Hexanoic acid, tetradecyl ester	di-Threitol
Hexanoic acid, Udecyl ester	Erythritol
Hydroxyurea, N,N',O-trimethyl-	Ethane, (methylthio)-
L-Arabinitol	Ethane, 1-bromo-2-chloro-
Isobutyl 2-methylvalerate	Ethane, 1-chloro-2-nitro-
Isothiourea, S-(2-tert-butylsulfonyl)ethyl-	Ethane, 1,1-dichloro-

Lyxitol, 1-thiooctyl-	Ethane, 1,1,1-triethoxy-
Lyxitol, 1-deoxy-1-thiohexyl	Ethanesulfonyl chloride, 2-chloro-
Lyxitol, 1-thiononyl-1-deoxy	Ethanethiol, 2-(diethylboryloxy)-
Methanamine, N-hydroxy-N-methyl	Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-
Methanamine, N-hydroxy-N-methyl-	Ethanol, 2-(2-butoxyethoxy)-, acetate
Methanamine, N-methoxy	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-
Methanamine, N-methoxy-	Ethanol, 2-[2-(2-mercaptoethoxy)ethoxy]-
Methane, (methylsulfinyl)(methylthio)-	Ethene, (methylsulfonyl)-
Methane, nitro-	Ethyl 2,2-diethoxypropionate
Methanesulfinothioic acid, S-1-propyl ester,	Ethyl(dimethyl)ethoxysilane
Methanol, triethylsilyl-	Ethyl(dimethyl)isopropoxysilane
Methyl 2-(2-(2-butoxyethoxy)ethoxy)acetate	Ethylmalonate, methyl ester, amide, O-trimethylsilyl
Methyl 2,2-dimethyl-3,6,9-trioxa-2-silaundecan-11-oate	Fluoroacetic acid
Methyl 3-(methylthio)-(E)-2-propenoate	Glyceraldehyde
Methyl 3-(methylthio)-(Z)-2-propenoate	Glycerin
Methyl 5-methoxy-3-oxovalerate	Glycerol triethyl ether
Morpholine, 4,4'-(2,4-hexadiynylene)di-	Heptaethylene glycol
n-Caprylic acid isobutyl ester	Hexaethylene glycol
n-Heptyl hexanoate	Hexane, 1,2,3-trimethoxy-
N-Methoxy-N-methylacetamide	Hexanoic acid, butyl ester
n-Octanoic acid isopropyl ester	Hexanoic acid, propyl ester
N,N-Dimethyl-O-(1-methyl-butyl)-hydroxylamine	L-Arabinitol
N'-Propylornicotine	L-Methionine, N-acetyl-
o-Ethylhydroxylamine	L-Methionine, N-acetyl-
Octanoic acid, 1-methyltridecyl ester	Isothiourea, S-(2-tert-butylsulfonyl)ethyl-
Octanoic acid, 1-methyltridecyl ester	Lyxitol, 1-deoxy-1-thiohexyl-
Octanoic acid, 2-bromo-4-fluorophenyl ester	Lyxitol, 1-thiononyl-1-deoxy
Octanoic acid, 2-butyl ester	Methanamine, N-hydroxy-N-methyl-
Octanoic acid, 2-chlorophenyl ester	Methanamine, N-methoxy-
Octanoic acid, 2-ethylhexyl ester	Methane, (methylsulfinyl)(methylthio)-
Octanoic acid, 2-octyl ester	Methane, nitro-
Octanoic acid, 2-pentadecyl ester	Methanesulfinothioic acid, S-1-propyl ester
Octanoic acid, 2-pentyl ester	Methyl 2-(2-(2-butoxyethoxy)ethoxy)acetate
Octanoic acid, 2-propenyl ester	Methyl 2-(2-(2-ethoxyethoxy)ethoxy)acetate
Octanoic acid, 2-tridecyl ester	Methyl 2,2-dimethyl-3,6,9-trioxa-2-silaundecan-11-oate
Octanoic acid, 3-pentadecyl ester	Methyl 3-(methylthio)-(E)-2-propenoate
Octanoic acid, 3-tridecyl ester	Methyl 3-(methylthio)-(Z)-2-propenoate
Octanoic acid, 4-pentadecyl ester	N-(2,6-Dimethyl-3-(piperidine-1-sulfonyl)-phenyl)-acetamide
Octanoic acid, 4-tridecyl ester	N-Acetyl-di-methionine
Octanoic acid, 6-ethyl-3-octyl ester	n-Heptyl hexanoate
Octanoic acid, cydopentyl ester	N-Methoxy-N-methylacetamide
Octanoic acid, decyl ester	N,N-Dimethyl-O-(1-methyl-butyl)-hydroxylamine
Octanoic acid, dodecyl ester	N'-Propylornicotine
Octanoic acid, hexyl ester	o-Ethylhydroxylamine
Octanoic acid, methyl ester	Oxalyl chloride
Octanoic acid, nonyl ester	Oxirane, [(methylthio)methyl]-
Octanoic acid, octyl ester	p-Dioxane-2,3-diol
Oxalylchloride	p-Dioxane-2,5-dimethanol
Oxirane, [(methylthio)methyl]-	Pentaethylene glycol
p-Dioxane-2,3-diol	Pentane- 1,2,3,4,5-pentaol
p-Dioxane-2,5-dimethanol	Pentanoic acid, 3-hydroxy-, ethyl ester
Paraldehyde	Phenylamine, 3-(pyrrolidin-1-yl)-
Pentaethylene glycol	Phosgene
Pentanoic acid, 2-methyl-, 1-methylpropyl ester	Propanal, 2,3-dihydroxy-, (S)-
Pentanoic acid, 2-methyl-, butyl ester	Propanamide, 2-hydroxy
Pentanoic acid, 3-hydroxy-, ethyl ester	Propanamide, 2-hydroxy-
Pentanoic acid, 3-hydroxy-ethyl ester	Propane, 1,1,2-trichloro-
Pentyl octanoate	Propane, 1,1,2-trichloro-
Phosgene	Propane, 2-fluoro-2-methyl-
Propanal, 2,3-dihydroxy-, (S)	Propanoic acid, 2-(ethylthio)-, ethyl ester
Propanal, 2,3-dihydroxy-, (S)-	Propanoic acid, 2-chloro-, 2-propenyl ester
Propanamide, 2-hydroxy	Propanoic acid, 2-triethylsilyloxy-, methyl ester
Propanamide, 2-hydroxy-	Propanoic acid, 3-ethoxy-, ethyl ester
Propane, 1,1,2-trichloro-	Propanoic acid, 3-methoxy-, methyl ester
Propane, 2-fluoro-2-methyl-	Propanoic acid, 3-methoxy-2-methyl-, methyl ester
Propane, 2,2-diethoxy-	Propylamine, N,N,2,2-tetramethyl-, N-oxide
Propanoic acid, 2-chloro-	Propylene Glycol
Propanoic acid, 2-chloro-, 2-propenyl ester	Pyridine, 2-amino-3-(1-methylpyrrolidin-2-yl)-
Propanoic acid, 2-chloro-, ethyl ester	Pyridine, 2-amino-3-(1-methylpyrrolidin-2-yl)-
Propanoic acid, 2-chloro-, methyl ester	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-
Propanoic acid, 3-ethoxy-, ethyl ester	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, 1-oxide, (S)-
Propanoic acid, 3-ethoxy-, ethyl ester	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-(S)-
Propanoic acid, 3-methoxy-2-methyl-, methyl ester	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-1-, -oxide, (S)-
Propene, 1-(9-borabicyclo[3.3.1]non-9-yl)-2-(9-borabicyclo[3.3.1]non-9-ylthio)-	Pyridine, 3-(2-piperidinyl)
Propyl 2-methylvalerate	Pyrrolidine-1-acetamide(N-(2-carboxy)phenyl)-
Propyl nitrite	Ribitol
Propyl octanoate	S-Methyl methanethiosulphonate
Propylamine N,N,2,2-tetramethyl-, N-oxide	sec-Butyl isobutyl sulfide
Propylamine, N,N,2,2-tetramethyl-, N-oxide	Silane, (3-(2,3-epoxypropoxy)propyl)ethoxydimethyl-
Propylene Glycol	Silane, 1((3a,5b,20S)-pregnane-3,20-diol)bis(oxy))bis(trimethyl-
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, 1-oxide, (S)-	Silane, bis(fluoromethyl)dimethyl-
Pyridine, 3-(2-piperidinyl)-	Silane, methylenebis(methyl-
Pyridine,3-(1-methyl-2-pyrrolidinyl)-, 1-oxide, (S)	Silane, triethylmethoxy-
Pyridine,3-(1-methyl-2-pyrrolidinyl)-	Silane, trimethyl(1-methyldodecyloxy)-
Pyridine,3-(1-methyl-2-pyrrolidinyl)-, (S)-	Silane, trimethyl(1-methylnonyloxy)-
Silane, [(methylsilyl)methyl]([silyl)methyl]-	Silane, trimethyl(1-methylundecyloxy)-
Silane, bis(fluoromethyl)dimethyl	Silane, trimethylpropoxy-
Silane, methylenebis(methyl	Sulfide, sec-butyl isopropyl
Silane, trimethyl(1-methyldodecyloxy)-	Sulfur dioxide, dimethyl-
Silane, trimethyl(1-methylnonyloxy)-	tert-Butyldimethylsilyl acetate
Silane, trimethyl(1-methylundecyloxy)-	Tetrahydro-1,3-oxazine-2-thione
Silane, trimethylpropoxy-	Thioacetic acid
Sulfur dioxide, dimethyl-	Thioacetic acid, S-(3,5-dihydroxypentyl) ester
Thioacetic acid	Thioaceticacid
Thiodiglycol	Thiodiglycol
Tricyclo[5.3.0.0(2,6)]decane-3,10-diol, 6,7-dichloro-	Tri(propylene glycol) propyl ether
Triethyl borate	Tributyl(methoxy) silane
Trimethyl orthobutyrate	Tricyclo[5.3.0.0(2,6)]decane-3,10-diol, 6,7-dichloro-
Trimethyl(1-propoxypropan-2-yloxy)silane	Trimethyl orthobutyrate
Trimethylphosphine	Trimethyl(1-propoxypropan-2-yloxy)silane
Undecanone, 2-methyl oxime	Trimethylphosphine
Xylitol, 1-O-octanoyl	Xylitol
Xylitol	
β-D-Glucopyranoside, nonyl 1-thio-	
β-D-Mannofuranoside, 1-thio-n-heptyl-	
β-D-Mannothiofuranoside, S-n-octyl	

Supplemental Table 2: Spectral deconvolution and annotation to the molecular level of TIMS-TOF analysis of a commercial brand of tobacco-flavored nicotine-containing and nicotine-free e-cigarette aerosol.

m/z	Name	Formula	Characteristic	Source (based on https://pubchem.ncbi.nlm.nih.gov/ and https://lotus.naturalproducts.net/)	Nicotine free			Nicotine plus		
					Commensal-rich	Intermediate	Pathogen-rich	Commensal-rich	Intermediate	Pathogen-rich
295.14224	Ladostigil	C16H20N2O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	230420.8 ± 355238.2
325.21246					0 ± 0	0 ± 0	0 ± 0	137497.5 ± 148465	0 ± 0	0 ± 0
263.1365	Pirbuterol	C12H20N2O3			0 ± 0	0 ± 0	0 ± 0	25007.6 ± 86628.7	0 ± 0	0 ± 0
218.03885					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5667 ± 19630.9	0 ± 0
229.06218					0 ± 0	5096.3 ± 17654	0 ± 0	0 ± 0	0 ± 0	0 ± 0
307.0462					0 ± 0	0 ± 0	18503.7 ± 64098.6	0 ± 0	0 ± 0	0 ± 0
253.11221					0 ± 0	0 ± 0	8106.1 ± 19048.8	0 ± 0	0 ± 0	0 ± 0
425.13571					0 ± 0	0 ± 0	46256.6 ± 160237.7	0 ± 0	0 ± 0	0 ± 0
313.23177					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2431.1 ± 8421.6
309.14245					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	80876.7 ± 189032.9
197.10501					0 ± 0	4764.4 ± 16504.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
235.06011					0 ± 0	2803.6 ± 9712	0 ± 0	0 ± 0	0 ± 0	0 ± 0
568.24978					0 ± 0	19294.7 ± 45454	0 ± 0	0 ± 0	0 ± 0	0 ± 0
322.05854					0 ± 0	0 ± 0	0 ± 0	0 ± 0	17725 ± 61401	0 ± 0
383.14021	3-[(4-Chlorophenyl)me	C23H23ClO3		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8332.5 ± 28864.8
286.15091					0 ± 0	0 ± 0	0 ± 0	0 ± 0	9139.1 ± 31658.6	0 ± 0
180.09124					0 ± 0	4817 ± 16686.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
274.07677					0 ± 0	0 ± 0	0 ± 0	0 ± 0	8533 ± 29559	0 ± 0
394.11191					0 ± 0	0 ± 0	0 ± 0	0 ± 0	35435.4 ± 122751.8	0 ± 0
258.11573					0 ± 0	0 ± 0	0 ± 0	10965.6 ± 37985.8	0 ± 0	0 ± 0
290.06485	Deoxyadenosine	C10H13N5O3			0 ± 0	0 ± 0	0 ± 0	5066.3 ± 17550.2	0 ± 0	0 ± 0
620.31382					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	15277 ± 52921.2
327.13408					0 ± 0	0 ± 0	0 ± 0	0 ± 0	16242.2 ± 56264.8	0 ± 0
253.05263					0 ± 0	0 ± 0	4469.5 ± 10473.7	0 ± 0	0 ± 0	0 ± 0
296.12132					0 ± 0	0 ± 0	19247.7 ± 29704.9	0 ± 0	0 ± 0	0 ± 0
356.99586					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4614.4 ± 15984.8	0 ± 0
329.12113					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9260.7 ± 32080
269.14638					0 ± 0	0 ± 0	0 ± 0	0 ± 0	10144.8 ± 35142.5	0 ± 0
272.15272					0 ± 0	0 ± 0	11986 ± 41520.6	0 ± 0	0 ± 0	0 ± 0
264.11792					0 ± 0	23010.3 ± 41903.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
265.12785					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	11046.9 ± 25800.1
253.0677	mono-2-(Methacryloyl	C10H14O6		Human exposome	0 ± 0	0 ± 0	0 ± 0	1443.9 ± 5001.8	0 ± 0	0 ± 0
429.14744	Medizine	C25H27ClN2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5005.5 ± 17339.6
333.1145					0 ± 0	0 ± 0	0 ± 0	4824.2 ± 16711.6	0 ± 0	0 ± 0
392.01021					0 ± 0	0 ± 0	1769.2 ± 6128.7	0 ± 0	0 ± 0	0 ± 0
310.16322					0 ± 0	0 ± 0	0 ± 0	0 ± 0	12526.9 ± 43394.5	0 ± 0
281.18522					0 ± 0	0 ± 0	0 ± 0	49771.2 ± 172412.4	0 ± 0	0 ± 0
407.20022					0 ± 0	0 ± 0	0 ± 0	77526.6 ± 185571.6	0 ± 0	0 ± 0
268.04162					0 ± 0	0 ± 0	0 ± 0	11954.2 ± 41410.5	0 ± 0	0 ± 0
405.07508					0 ± 0	0 ± 0	13284.1 ± 46017.6	0 ± 0	0 ± 0	0 ± 0
361.21209					0 ± 0	0 ± 0	0 ± 0	309462.5 ± 143412.5	0 ± 0	0 ± 0
315.1691					0 ± 0	0 ± 0	0 ± 0	33454.7 ± 115890.3	0 ± 0	0 ± 0
364.10478					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10004 ± 34655
271.12518					0 ± 0	117782.2 ± 176725.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
365.987					0 ± 0	0 ± 0	0 ± 0	0 ± 0	32639 ± 113065	0 ± 0
423.17118					0 ± 0	17219.8 ± 59651.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
312.04573					0 ± 0	9160 ± 31731.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
331.10132					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3837.4 ± 13293.3	0 ± 0
295.1025					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4557 ± 15786	0 ± 0
206.08212	5-Methoxyindoleaceta	C11H11NO3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3637 ± 12598.8
466.22011					0 ± 0	19517.8 ± 67611.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
247.15673					0 ± 0	0 ± 0	0 ± 0	0 ± 0	14202.3 ± 49198.1	0 ± 0
309.16639					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	21508.9 ± 74509
379.96329					0 ± 0	4436.6 ± 15368.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
302.08458					0 ± 0	11344.5 ± 39298.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
354.1393					0 ± 0	0 ± 0	0 ± 0	0 ± 0	15726.5 ± 54478.1	0 ± 0
267.11056	L-isoleucyl-L-proline	C11H20N2O3		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9212.6 ± 21526.6
364.1593					0 ± 0	6096.1 ± 21117.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
269.03249					0 ± 0	0 ± 0	2262.1 ± 7836.2	0 ± 0	0 ± 0	0 ± 0
402.01529					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5733.2 ± 19860.5	0 ± 0
193.11271					0 ± 0	0 ± 0	1838.6 ± 6369	0 ± 0	0 ± 0	0 ± 0
260.12177					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3689.2 ± 12779.9	0 ± 0
232.13997					0 ± 0	0 ± 0	16086 ± 30861.7	0 ± 0	0 ± 0	0 ± 0
154.065					0 ± 0	0 ± 0	1546.7 ± 5358	0 ± 0	0 ± 0	0 ± 0
160.10591					0 ± 0	0 ± 0	0 ± 0	1434.7 ± 4969.9	0 ± 0	0 ± 0
245.05911					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3345.9 ± 11590.5	0 ± 0
290.0999					0 ± 0	0 ± 0	7113.9 ± 24643.2	0 ± 0	0 ± 0	0 ± 0
604.29277					0 ± 0	0 ± 0	5293.8 ± 18338.1	0 ± 0	0 ± 0	0 ± 0
502.93794	Spiromastixone O	C19H16Cl4O5		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	28375.3 ± 98294.9	0 ± 0
317.21783					0 ± 0	0 ± 0	11747.5 ± 21793.1	0 ± 0	0 ± 0	0 ± 0
328.17567					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	143849.7 ± 264194.5
212.15999					0 ± 0	7714.8 ± 26724.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
450.04005					0 ± 0	0 ± 0	0 ± 0	0 ± 0	68253.4 ± 207367.6	0 ± 0
583.0111					0 ± 0	0 ± 0	0 ± 0	0 ± 0	6183.4 ± 21419.9	0 ± 0
384.22691	Acetamide, N-(4-(3-(4	C22H29N3O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1978.7 ± 6854.4	0 ± 0
328.00599	N-(2,2,2-Trichloro-1-p	C15H12Cl3NO			0 ± 0	0 ± 0	0 ± 0	0 ± 0	10809.9 ± 37446.7	0 ± 0
227.07951					0 ± 0	0 ± 0	1781.1 ± 6170	0 ± 0	0 ± 0	0 ± 0
286.13391	Trityl azide	C19H15N3		Human exposome	0 ± 0	0 ± 0	6196.8 ± 21466.3	0 ± 0	0 ± 0	0 ± 0
297.17952					0 ± 0	0 ± 0	0 ± 0	116908.5 ± 123073.1	0 ± 0	0 ± 0
224.12945					0 ± 0	5036.9 ± 17448.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
256.16207	Hypusine	C10H23N3O3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	16399.4 ± 56809.1
201.0662	4-(4-Nitrophenyl)pyrid	C11H8N2O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9997 ± 21620
398.19592					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	26001.9 ± 90073.1
281.14959					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	18027 ± 42968.6
361.186					0 ± 0	0 ± 0	0 ± 0	51144.3 ± 177168.9	0 ± 0	0 ± 0
257.13577					0 ± 0	10098.3 ± 34981.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
264.07107					0 ± 0	0 ± 0	0 ± 0	4552.7 ± 15771.1	0 ± 0	0 ± 0
397.13037					0 ± 0	0 ± 0	1972.7 ± 6831.8	0 ± 0	0 ± 0	0 ± 0
197.06961					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1016.1 ± 3519.9	0 ± 0
258.06657					0 ± 0	0 ± 0	2402.7 ± 8323.3	0 ± 0	0 ± 0	0 ± 0
337.98757					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3532.7 ± 12237.6
597.0478					0 ± 0	0 ± 0	12085.2 ± 41864.4	0 ± 0	0 ± 0	0 ± 0
235.12905					0 ± 0	0 ± 0	0 ± 0	0 ± 0	71748.6 ± 248544.5	0 ± 0
281.17502					0 ± 0	0 ± 0	0 ± 0	32702.6 ± 113285	0 ± 0	0 ± 0
256.10513					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7709.1 ± 26705.3
591.25932					0 ± 0	0 ± 0	0 ± 0	0 ± 0	24472.2 ± 84774.3	0 ± 0
288.07734					0 ± 0	0 ± 0	4488.9 ± 15550.1	0 ± 0	0 ± 0	0 ± 0
190.09109					0 ± 0	1552.5 ± 5378	0 ± 0	0 ± 0	0 ± 0	0 ± 0
356.00945					0 ± 0	0 ± 0	4361.8 ± 15109.6	0 ± 0	0 ± 0	0 ± 0
363.14046					0 ± 0	0 ± 0	26817.6 ± 92899	0 ± 0	0 ± 0	0 ± 0
462.21872					0 ± 0	0 ± 0	12431.7 ± 43064.6	0 ± 0	0 ± 0	0 ± 0

608.97402				0 ± 0	0 ± 0	11052 ± 38285.2	0 ± 0	0 ± 0	0 ± 0
312.22911				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8717.9 ± 30199.7
296.02689				0 ± 0	0 ± 0	17450.1 ± 60448.8	0 ± 0	0 ± 0	0 ± 0
507.25074				0 ± 0	23276.5 ± 80632.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
632.24865				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1672.7 ± 5794.4	0 ± 0
230.08853				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2241.3 ± 7764.1	0 ± 0
332.8935				0 ± 0	0 ± 0	0 ± 0	0 ± 0	23613.5 ± 81799.4	0 ± 0
303.11942				0 ± 0	0 ± 0	40885.2 ± 77480.1	0 ± 0	0 ± 0	0 ± 0
543.11562				0 ± 0	0 ± 0	24441.7 ± 84668.4	0 ± 0	0 ± 0	0 ± 0
146.09411				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3667.6 ± 12704.8
597.28618				0 ± 0	0 ± 0	0 ± 0	0 ± 0	7795.3 ± 27003.9	0 ± 0
409.30718	FA 26:5	C26H42O2	Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	51095.4 ± 55610.9
449.19942				0 ± 0	0 ± 0	19582.6 ± 67836	0 ± 0	0 ± 0	0 ± 0
316.22122				0 ± 0	22907.6 ± 34471.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
375.99969				0 ± 0	3310.6 ± 11468.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
593.26683				0 ± 0	0 ± 0	10587.8 ± 36677.3	0 ± 0	0 ± 0	0 ± 0
469.00823				0 ± 0	7355.3 ± 25479.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
401.14007				0 ± 0	0 ± 0	14575.5 ± 50491	0 ± 0	0 ± 0	0 ± 0
236.1425				0 ± 0	0 ± 0	10831.6 ± 37521.7	0 ± 0	0 ± 0	0 ± 0
413.18254				0 ± 0	0 ± 0	0 ± 0	11643.6 ± 40334.5	0 ± 0	0 ± 0
504.22034				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	19383.6 ± 67146.7
379.13161				0 ± 0	0 ± 0	17488.6 ± 60582.3	0 ± 0	0 ± 0	0 ± 0
106.06522				0 ± 0	0 ± 0	0 ± 0	6037.1 ± 6482.4	0 ± 0	0 ± 0
411.21231				0 ± 0	0 ± 0	6848.8 ± 23725	0 ± 0	0 ± 0	0 ± 0
396.18126				0 ± 0	0 ± 0	0 ± 0	15117.2 ± 52367.6	0 ± 0	0 ± 0
450.93733				0 ± 0	0 ± 0	17736.8 ± 61442	0 ± 0	0 ± 0	0 ± 0
381.93964				0 ± 0	1897.5 ± 6573.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
184.13025				0 ± 0	6939.6 ± 18095.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
459.18251				0 ± 0	0 ± 0	9449.6 ± 32734.3	0 ± 0	0 ± 0	0 ± 0
493.21317				0 ± 0	0 ± 0	0 ± 0	10867.4 ± 37645.9	0 ± 0	0 ± 0
464.99635				0 ± 0	0 ± 0	10611.6 ± 36759.8	0 ± 0	0 ± 0	0 ± 0
509.97415				0 ± 0	6865 ± 23781.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
571.23573	Tetronothiodin	C31H38O8S	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9389.6 ± 23698.8	0 ± 0
608.79535	6-hydroxy-N-methylmyosmine		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10335.9 ± 35804.6	0 ± 0
215.147				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9975.9 ± 23737.3
360.37323				0 ± 0	0 ± 0	12621.4 ± 43721.9	0 ± 0	0 ± 0	0 ± 0
168.05762				0 ± 0	0 ± 0	4986.5 ± 12334.8	0 ± 0	0 ± 0	0 ± 0
611.0115				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8017.3 ± 27772.7
170.07203	2-(1H-imidazol-1-yl)ba	C10H7N3	Human exposome	0 ± 0	0 ± 0	2874.4 ± 9957.1	0 ± 0	0 ± 0	0 ± 0
237.02403				0 ± 0	0 ± 0	0 ± 0	1749 ± 6058.6	0 ± 0	0 ± 0
608.98874				0 ± 0	7720.5 ± 26744.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
458.32782				0 ± 0	2752.3 ± 9534.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
519.10426				0 ± 0	0 ± 0	0 ± 0	0 ± 0	5136.3 ± 17792.7	0 ± 0
552.92918				0 ± 0	0 ± 0	0 ± 0	2259.7 ± 7827.9	0 ± 0	0 ± 0
158.0923				0 ± 0	0 ± 0	1676.3 ± 5806.8	0 ± 0	0 ± 0	0 ± 0
633.02503				0 ± 0	0 ± 0	1830 ± 6339.3	0 ± 0	0 ± 0	0 ± 0
631.84432				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3170.7 ± 10983.5	0 ± 0
506.92856				0 ± 0	4165.6 ± 14430.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
314.33049				0 ± 0	4302.4 ± 14903.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
388.27641				0 ± 0	0 ± 0	3691.5 ± 12787.9	0 ± 0	0 ± 0	0 ± 0
272.07133				0 ± 0	2933.5 ± 10161.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
347.33084				0 ± 0	2688.4 ± 9313	0 ± 0	0 ± 0	0 ± 0	0 ± 0
362.1429	2-ketoglutaramate		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4705.2 ± 16299.5
187.07257	5-Amino-1-(2-pyrimidi	C8H6N6		0 ± 0	3291.9 ± 11403.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
560.39575				0 ± 0	4040.8 ± 13997.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
219.06752	N-(4-Chlorobenzyl)-2-	C12H11ClN2		0 ± 0	0 ± 0	0 ± 0	0 ± 0	3048.8 ± 10561.5	0 ± 0
235.05977				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2397 ± 8303.5
672.9689				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2287.4 ± 7923.7
187.04629				0 ± 0	1078.4 ± 3735.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
531.3887				0 ± 0	0 ± 0	1945 ± 6737.8	0 ± 0	0 ± 0	0 ± 0
327.79311				0 ± 0	1803.1 ± 6246.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
504.84796	Ambigol A	C18H8Cl6O3	Human exposome	0 ± 0	0 ± 0	0 ± 0	1663.7 ± 5763.2	0 ± 0	0 ± 0
390.87934				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2151.1 ± 7451.5	0 ± 0
275.22649				0 ± 0	1581.2 ± 5477.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
182.97886				0 ± 0	1491.1 ± 5165.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
302.24286				0 ± 0	0 ± 0	1015.2 ± 3516.9	0 ± 0	0 ± 0	0 ± 0
343.12032				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7516.6 ± 17562.2
359.09834				0 ± 0	0 ± 0	0 ± 0	12953.3 ± 23480	0 ± 0	0 ± 0
375.06669				0 ± 0	0 ± 0	8975.8 ± 31093	0 ± 0	0 ± 0	0 ± 0
321.13848				0 ± 0	22274.3 ± 77160.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
265.08919				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1623.2 ± 5622.9	0 ± 0
259.08333	3-(6-Oxopyrazolo[1,5-	C12H10N4O3		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1527 ± 5289.5
265.08922				0 ± 0	940.1 ± 3256.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
271.10275				0 ± 0	0 ± 0	0 ± 0	0 ± 0	5875.1 ± 9184.7	0 ± 0
271.1031	His-Asp	C10H14N4O5	Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4006.1 ± 13877.6	0 ± 0
271.10083				0 ± 0	0 ± 0	0 ± 0	0 ± 0	900.9 ± 3120.8	0 ± 0
277.10946				0 ± 0	15951.7 ± 55258.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
376.25956				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2044 ± 7080.5
195.08976				0 ± 0	0 ± 0	10119.9 ± 10657.6	0 ± 0	0 ± 0	0 ± 0
227.03644				0 ± 0	1137.9 ± 3941.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
139.12332	3,5-Dimethyl-4-propyl	C8H14N2		0 ± 0	3973.6 ± 9436.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
436.20111				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	29343.3 ± 101648.2
452.17174				0 ± 0	0 ± 0	0 ± 0	0 ± 0	56624.8 ± 196154.2	0 ± 0
317.14632	Nbeta-(R,R)-epoxysuc	C12H20N4O6	Human exposome	0 ± 0	0 ± 0	10962.3 ± 26431.4	0 ± 0	0 ± 0	0 ± 0
237.15982	Procaine	C13H20N2O2	Human exposome	0 ± 0	0 ± 0	0 ± 0	1358333.3 ± 4705404.7	0 ± 0	0 ± 0
241.13131				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4568.9 ± 15827.2
247.13786				0 ± 0	0 ± 0	7401.2 ± 25638.4	0 ± 0	0 ± 0	0 ± 0
327.15474				0 ± 0	0 ± 0	0 ± 0	12133 ± 42030	0 ± 0	0 ± 0
673.24215	Cryptophycin 175	C35H42Cl2N2O7	Human exposome	0 ± 0	0 ± 0	0 ± 0	3004 ± 10406.2	0 ± 0	0 ± 0
213.13553				0 ± 0	1878.1 ± 6505.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
301.11663				0 ± 0	0 ± 0	7067.9 ± 16616.7	0 ± 0	0 ± 0	0 ± 0
301.1112	Etifoxine	C17H17ClN2O		0 ± 0	2972.7 ± 10297.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
249.9956				0 ± 0	0 ± 0	1119.7 ± 3878.8	0 ± 0	0 ± 0	0 ± 0
253.21577	FA 16:2	C16H28O2	Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	42183.9 ± 146129.2	0 ± 0
302.14079	Tapentadol O-sulfate	C14H23NO4S		0 ± 0	0 ± 0	39723.4 ± 98364.8	0 ± 0	0 ± 0	0 ± 0
327.17377	Eggregiachloride A	C18H27ClO3		0 ± 0	0 ± 0	0 ± 0	87725.8 ± 205529.7	0 ± 0	0 ± 0
302.14653				0 ± 0	0 ± 0	0 ± 0	1543.8 ± 5347.9	0 ± 0	0 ± 0
166.0862				0 ± 0	0 ± 0	864.2 ± 2300.9	0 ± 0	0 ± 0	0 ± 0
261.01729				0 ± 0	1506.2 ± 5217.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
229.14006				0 ± 0	0 ± 0	15392 ± 35984.4	0 ± 0	0 ± 0	0 ± 0
229.13308	Metypapol	C14H16N2O	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2341.5 ± 8111.2
323.15383				0 ± 0	0 ± 0	0 ± 0	0 ± 0	21311.2 ± 55195	0 ± 0
253.11629				0 ± 0	0 ± 0	1845.9 ± 6394.3	0 ± 0	0 ± 0	0 ± 0
269.08886	Inosine	C10H12N4O5	Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3773.8 ± 8883.1	0 ± 0
527.15759				0 ± 0	0 ± 0	17270.1 ± 59825.3	0 ± 0	0 ± 0	0 ± 0
337.11564				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1158.3 ± 4012.5
337.11675	Benzobarbital	C19H16N2O4	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1606.2 ± 5564
213.07891				0 ± 0	0 ± 0	2485 ± 5846.1	0 ± 0	0 ± 0	0 ± 0
241.11987				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2775 ± 9612.9	0 ± 0
341.16671				0 ± 0	0 ± 0	0 ± 0	0 ± 0	15676.7 ± 38424.4	0 ± 0
242.05085	N-(2,4-Dinitrophenyl)H	C7H7N5O5	anti-bacterial	Human exposome	0 ± 0	1169.6 ± 4051.7	0 ± 0	0 ± 0	0 ± 0

450.02329					0 ± 0	2220.5 ± 7692	0 ± 0	0 ± 0	0 ± 0	0 ± 0
357.24621					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1817 ± 6294.4
251.05341					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1305.7 ± 4523.2
332.07494					0 ± 0	2658.5 ± 9209.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
279.16735					0 ± 0	0 ± 0	0 ± 0	1404.5 ± 4865.5	0 ± 0	0 ± 0
279.1956	7-hydroxy-10E,16-hep	C17H26O3			0 ± 0	0 ± 0	0 ± 0	4086.1 ± 14154.6	0 ± 0	0 ± 0
197.10377					0 ± 0	0 ± 0	0 ± 0	1177.5 ± 4078.9	0 ± 0	0 ± 0
339.13141					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	122511.1 ± 308286.2
339.12911	Streptol glucoside	C13H22O10	anti-mitic	Human exposome	0 ± 0	0 ± 0	11807.5 ± 27808.5	0 ± 0	0 ± 0	0 ± 0
517.09474					0 ± 0	0 ± 0	0 ± 0	0 ± 0	63328.1 ± 219375.1	0 ± 0
412.27253					0 ± 0	2585.1 ± 8955	0 ± 0	0 ± 0	0 ± 0	0 ± 0
303.15233					0 ± 0	0 ± 0	0 ± 0	15899.9 ± 55078.9	0 ± 0	0 ± 0
288.10633					0 ± 0	0 ± 0	6580.8 ± 15369.5	0 ± 0	0 ± 0	0 ± 0
304.08632					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5007.2 ± 17345.3
304.08019					0 ± 0	0 ± 0	2767.3 ± 9586.1	0 ± 0	0 ± 0	0 ± 0
501.12174					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	32294.6 ± 111871.6
244.09324	Cytidine	C9H13N3O5	anti-bacterial		0 ± 0	0 ± 0	3976 ± 13773.3	0 ± 0	0 ± 0	0 ± 0
568.25534	N-Demethylstreptom	C20H37N7O12	anti-bacterial	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5396.6 ± 18694.4
268.12679					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4512.6 ± 15632.2
290.11539					0 ± 0	0 ± 0	7360.7 ± 25498.3	0 ± 0	0 ± 0	0 ± 0
219.16558					0 ± 0	0 ± 0	1498.9 ± 5192.4	0 ± 0	0 ± 0	0 ± 0
219.16739					0 ± 0	0 ± 0	0 ± 0	0 ± 0	810.1 ± 2806.3	0 ± 0
370.03134					0 ± 0	0 ± 0	7842.6 ± 27167.5	0 ± 0	0 ± 0	0 ± 0
315.96594					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1222.9 ± 4236.2
191.07721					0 ± 0	0 ± 0	6016.3 ± 12160.3	0 ± 0	0 ± 0	0 ± 0
204.10027					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1658.6 ± 5745.6	0 ± 0
297.15695					0 ± 0	0 ± 0	0 ± 0	19670.7 ± 68141.3	0 ± 0	0 ± 0
289.15051					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2390.6 ± 8281.4
337.08523	NPA000148	C16H21N3O3	anti-fungal	Human exposome	0 ± 0	0 ± 0	0 ± 0	6848.6 ± 23724.2	0 ± 0	0 ± 0
384.14387					0 ± 0	0 ± 0	2429.8 ± 8417.2	0 ± 0	0 ± 0	0 ± 0
299.10785					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2019.9 ± 6997.3	0 ± 0
501.12576					0 ± 0	0 ± 0	7006.2 ± 24270.3	0 ± 0	0 ± 0	0 ± 0
251.02442	1-(3,5-dichloro-4-met	C10H12Cl2O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1866.8 ± 6466.8
461.22568					0 ± 0	0 ± 0	0 ± 0	12494.3 ± 43281.5	0 ± 0	0 ± 0
418.96778					0 ± 0	0 ± 0	45493.4 ± 113088.3	0 ± 0	0 ± 0	0 ± 0
247.09741	NPA000233	C15H13N3O	anti-fungal	Human exposome	0 ± 0	39282.2 ± 136077.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
278.0031					0 ± 0	1435.4 ± 4972.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
247.09736	Corticocin	C14H14O4		Human exposome	0 ± 0	7549.2 ± 26151.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
271.14334	NPA000657	C16H18N2O2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1782.1 ± 6173.5
271.14424					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1710.6 ± 5925.6
247.10334	Asn-Asn	C8H14N4O5		Bacterial origin	0 ± 0	0 ± 0	5838.5 ± 20225.2	0 ± 0	0 ± 0	0 ± 0
247.10244					0 ± 0	4340.5 ± 15035.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
236.1368					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1161.4 ± 4023.3	0 ± 0
362.16845					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1940.5 ± 6722.1	0 ± 0
179.13369					0 ± 0	0 ± 0	0 ± 0	3491.5 ± 12095	0 ± 0	0 ± 0
359.06388					0 ± 0	3308.9 ± 11462.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
269.18376					0 ± 0	0 ± 0	0 ± 0	34461.3 ± 119377.4	0 ± 0	0 ± 0
330.1545					0 ± 0	35679.9 ± 65342.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
287.07787					0 ± 0	0 ± 0	0 ± 0	0 ± 0	8174.6 ± 28317.5	0 ± 0
359.06276					0 ± 0	0 ± 0	26833.9 ± 92955.3	0 ± 0	0 ± 0	0 ± 0
336.15966					0 ± 0	4501.5 ± 15593.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
179.09019					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	733.1 ± 2539.7
201.07936	2-Chloro-N-(1-cyano	C9H13ClN2O			0 ± 0	0 ± 0	1791.8 ± 6206.9	0 ± 0	0 ± 0	0 ± 0
613.2624	Taxuspinnanane B	C33H40O11	anti-mitic	Human exposome	0 ± 0	4267.8 ± 14784	0 ± 0	0 ± 0	0 ± 0	0 ± 0
192.15807					0 ± 0	0 ± 0	4436.8 ± 15369.5	0 ± 0	0 ± 0	0 ± 0
207.1739	[Z]-alpha-Irone	C14H22O		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	12431.9 ± 43065.3	0 ± 0	0 ± 0
375.01679					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5972.1 ± 20688.1	0 ± 0
242.18628					0 ± 0	6358.5 ± 14945.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
261.15747					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7459.5 ± 13541.5
321.0867					0 ± 0	0 ± 0	3522.9 ± 12203.7	0 ± 0	0 ± 0	0 ± 0
472.0055					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	22975.7 ± 79590
233.07874					0 ± 0	0 ± 0	0 ± 0	0 ± 0	6705.6 ± 23228.9	0 ± 0
291.12172					0 ± 0	0 ± 0	4037.7 ± 13987	0 ± 0	0 ± 0	0 ± 0
245.12429					0 ± 0	0 ± 0	0 ± 0	1729.8 ± 5992.3	0 ± 0	0 ± 0
213.04828					0 ± 0	0 ± 0	1084.8 ± 3757.8	0 ± 0	0 ± 0	0 ± 0
278.0986					0 ± 0	0 ± 0	4207 ± 14573.6	0 ± 0	0 ± 0	0 ± 0
222.09083	1-(Methylsulfonyl)-3-g	C7H15N3O3S		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1897.4 ± 6572.9	0 ± 0
231.06449	Visnagin	C13H10O4	anti-bacterial	Human exposome	0 ± 0	0 ± 0	2995.9 ± 7069.8	0 ± 0	0 ± 0	0 ± 0
327.1999					0 ± 0	0 ± 0	0 ± 0	0 ± 0	20994 ± 49538.8	0 ± 0
272.12864					0 ± 0	0 ± 0	11439.4 ± 39627.1	0 ± 0	0 ± 0	0 ± 0
266.12179					0 ± 0	0 ± 0	9866.8 ± 23492.4	0 ± 0	0 ± 0	0 ± 0
375.00571					0 ± 0	8083 ± 28000.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
485.30968					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3469.7 ± 12019.3
240.20406					0 ± 0	1431.2 ± 4957.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
194.09743					0 ± 0	0 ± 0	0 ± 0	2140.4 ± 7414.7	0 ± 0	0 ± 0
388.04103					0 ± 0	0 ± 0	0 ± 0	2446.4 ± 8474.7	0 ± 0	0 ± 0
301.15431					0 ± 0	0 ± 0	0 ± 0	5472.4 ± 18956.8	0 ± 0	0 ± 0
301.15282					0 ± 0	4141.9 ± 14348.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
260.13075					0 ± 0	0 ± 0	7443.2 ± 25784.1	0 ± 0	0 ± 0	0 ± 0
297.11959					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	90199.6 ± 134407.2
225.13666					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1880.5 ± 6514.4	0 ± 0
235.06219	1-(2-Chlorobenzyl)-1H	C12H11ClN2O		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5105.2 ± 17684.9
254.15945					0 ± 0	0 ± 0	0 ± 0	1836.6 ± 6362	0 ± 0	0 ± 0
330.13572					0 ± 0	10325.9 ± 35770	0 ± 0	0 ± 0	0 ± 0	0 ± 0
263.09228	violaceol II	C14H14O5	anti-fungal	Human exposome	0 ± 0	0 ± 0	0 ± 0	22864.7 ± 79205.6	0 ± 0	0 ± 0
338.1543					0 ± 0	0 ± 0	14583.2 ± 34059.6	0 ± 0	0 ± 0	0 ± 0
266.11171					0 ± 0	3928.2 ± 13607.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
283.21756					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1278.9 ± 4430.3	0 ± 0
328.14761					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	43264.5 ± 149872.6
327.2549					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	21020 ± 72815.6
225.15994	1,6-Hexamethylenbis	C12H20N2O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1362.8 ± 4720.9
397.19186					0 ± 0	0 ± 0	7469.9 ± 25876.4	0 ± 0	0 ± 0	0 ± 0
265.15407	Phenylalanylvaline	C14H20N2O3			0 ± 0	0 ± 0	0 ± 0	34834.9 ± 120671.6	0 ± 0	0 ± 0
399.14966					0 ± 0	25588.8 ± 60696.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
337.13264					0 ± 0	0 ± 0	0 ± 0	8697.7 ± 30129.6	0 ± 0	0 ± 0
209.18376					0 ± 0	0 ± 0	0 ± 0	2588.2 ± 8965.8	0 ± 0	0 ± 0
399.15647	Cloperidone	C21H23ClN4O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7330.3 ± 25393.1	0 ± 0
239.10118					0 ± 0	52325.9 ± 79330	0 ± 0	0 ± 0	0 ± 0	0 ± 0
382.07681					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2542.7 ± 8808.1	0 ± 0
324.26869					0 ± 0	0 ± 0	34019.7 ± 117847.9	0 ± 0	0 ± 0	0 ± 0
353.14637					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	37396.7 ± 67742.3
228.15842	N-octanoyl-homoserin	C12H21NO3		Bacterial origin	0 ± 0	5270.2 ± 18256.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
300.138					0 ± 0	0 ± 0	0 ± 0	0 ± 0	15699.5 ± 54384.7	0 ± 0
250.0396	Phaclofen	C9H13ClNO3P	anti-fungal	Human exposome	0 ± 0	0 ± 0	1680.3 ± 5820.7	0 ± 0	0 ± 0	0 ± 0
319.03666					0 ± 0	0 ± 0	3539 ± 12259.4	0 ± 0	0 ± 0	0 ± 0
277.19182	Molindone	C16H24N2O2			0 ± 0	0 ± 0	0 ± 0	4980.5 ± 17252.8	0 ± 0	0 ± 0
115.03701					0 ± 0	1128.2 ± 3908.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
115.03684					0 ± 0	0 ± 0	1263.2 ± 4375.9	0 ± 0	0 ± 0	0 ± 0
195.14023					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1620.6 ± 5613.8
320.11093					0 ± 0	15978.1 ± 55349.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
349.21378	Roxatidine acetate	C19H28N2O4			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	82485 ± 285736.4

266.18373					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1488.2 ± 5155.1	0 ± 0
447.15291					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	17100.3 ± 31396.1
261.11024					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6270.5 ± 21721.6
219.08911					0 ± 0	3678 ± 9060.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
235.06612					0 ± 0	0 ± 0	1425.7 ± 4938.8	0 ± 0	0 ± 0	0 ± 0
235.0645	(3E)-1H-Indole-2,3-di	C10H10N4O5		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1403.3 ± 4861.3
179.09988					0 ± 0	2678.4 ± 9278.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
202.08214	Misonidazole	C7H11N3O4			0 ± 0	1564.5 ± 5419.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
294.17057					0 ± 0	0 ± 0	41629.9 ± 51822.6	0 ± 0	0 ± 0	0 ± 0
222.15965	Procarbazine	C12H19N3O		Human exposome	0 ± 0	7324.1 ± 13294.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
259.06469					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2277.3 ± 7888.8	0 ± 0
274.19061					0 ± 0	0 ± 0	0 ± 0	0 ± 0	24513.4 ± 84917	0 ± 0
430.19532					0 ± 0	51457.8 ± 122102.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
251.13097					0 ± 0	0 ± 0	0 ± 0	11553.2 ± 40021.5	0 ± 0	0 ± 0
325.13573					0 ± 0	4653.2 ± 16119.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
165.13827	N,N,N'-Tetramethyl-1	C10H12NO	anti-bacterial	Human exposome	0 ± 0	0 ± 0	0 ± 0	1195.1 ± 4139.8	0 ± 0	0 ± 0
165.13915	N,N,N',N'-Tetramethy	C10H16N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	976.6 ± 3383	0 ± 0	0 ± 0
184.09532					0 ± 0	2920.2 ± 10116	0 ± 0	0 ± 0	0 ± 0	0 ± 0
184.09508					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1707.5 ± 5914.9	0 ± 0
291.0102					0 ± 0	0 ± 0	0 ± 0	0 ± 0	6077.8 ± 21054.2	0 ± 0
256.0006					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	881.1 ± 3052.1
153.1387	1,8-Diazabicyclo[5.4.0	C9H16N2			0 ± 0	2080.8 ± 7208	0 ± 0	0 ± 0	0 ± 0	0 ± 0
294.17148					0 ± 0	0 ± 0	0 ± 0	12921.3 ± 44760.6	0 ± 0	0 ± 0
289.15397					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9305.7 ± 21861.5
240.02959					0 ± 0	786.5 ± 2724.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
253.15469					0 ± 0	5142.5 ± 17814.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
265.00098					0 ± 0	0 ± 0	2166.5 ± 7505.1	0 ± 0	0 ± 0	0 ± 0
488.00782					0 ± 0	3782.3 ± 13102.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
489.03399					0 ± 0	0 ± 0	5603 ± 19409.4	0 ± 0	0 ± 0	0 ± 0
578.93928					0 ± 0	0 ± 0	2454.4 ± 8502.1	0 ± 0	0 ± 0	0 ± 0
482.1933					0 ± 0	0 ± 0	0 ± 0	0 ± 0	36826.5 ± 127570.9	0 ± 0
354.09136					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2183.8 ± 7564.8	0 ± 0
274.09					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1270.4 ± 4400.8	0 ± 0
286.09525	5-Chloro-N-[2-(4-mor	C12H16ClN3O3			0 ± 0	0 ± 0	3870.7 ± 34193.1	0 ± 0	0 ± 0	0 ± 0
352.18425					0 ± 0	0 ± 0	6916.5 ± 16240.4	0 ± 0	0 ± 0	0 ± 0
374.16014					0 ± 0	0 ± 0	3788.6 ± 13124.1	0 ± 0	0 ± 0	0 ± 0
280.02922					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5593.3 ± 19375.7
370.12933					0 ± 0	0 ± 0	0 ± 0	4895.1 ± 16957	0 ± 0	0 ± 0
221.16455	Prilocaine	C13H20N2O			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	39172.7 ± 72754.8
229.15105					0 ± 0	0 ± 0	6055.1 ± 20975.6	0 ± 0	0 ± 0	0 ± 0
483.02017					0 ± 0	10173.7 ± 24251	0 ± 0	0 ± 0	0 ± 0	0 ± 0
273.15987	Ladostigil	C16H20N2O2		Human exposome	0 ± 0	0 ± 0	3672.1 ± 8608.9	0 ± 0	0 ± 0	0 ± 0
474.2346					0 ± 0	0 ± 0	0 ± 0	0 ± 0	14799.6 ± 51267.5	0 ± 0
245.09872					0 ± 0	0 ± 0	0 ± 0	3821.8 ± 13239.2	0 ± 0	0 ± 0
413.28995					0 ± 0	0 ± 0	0 ± 0	10158.1 ± 25384.4	0 ± 0	0 ± 0
273.15141					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	16679.3 ± 57778.9
267.27581					0 ± 0	0 ± 0	0 ± 0	1400.9 ± 4853	0 ± 0	0 ± 0
283.11386					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	17367.2 ± 60161.8
290.04615	Tert-Butyl 2,4-dichloro	C11H13Cl2N3O2			0 ± 0	0 ± 0	4755.5 ± 16473.7	0 ± 0	0 ± 0	0 ± 0
483.01965	Pestalone H	C21H20BrClO6	anti-fungal	Human exposome	0 ± 0	796.1 ± 2757.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
446.21478					0 ± 0	0 ± 0	14278.2 ± 49461.3	0 ± 0	0 ± 0	0 ± 0
252.0954					0 ± 0	1368.4 ± 4740.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
258.10236					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1120.4 ± 3881.2
417.18788					0 ± 0	0 ± 0	0 ± 0	8655.6 ± 29983.7	0 ± 0	0 ± 0
221.04139					0 ± 0	0 ± 0	2870.1 ± 9942.3	0 ± 0	0 ± 0	0 ± 0
205.06834					0 ± 0	0 ± 0	13350.7 ± 46248.1	0 ± 0	0 ± 0	0 ± 0
350.20347					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5162.6 ± 17883.6	0 ± 0
642.256					0 ± 0	0 ± 0	27023.4 ± 49311.8	0 ± 0	0 ± 0	0 ± 0
274.08639	(3Z)-3-(Quinolin-2-ylm	C18H11NO2		Bacterial origin	0 ± 0	9699 ± 22656.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
306.08798	Fenoldopam	C16H16ClNO3			0 ± 0	0 ± 0	15715.5 ± 54440.1	0 ± 0	0 ± 0	0 ± 0
244.1115	2-Iminobiotin	C10H17N3O2S		Bacterial origin	0 ± 0	0 ± 0	8287.4 ± 28708.3	0 ± 0	0 ± 0	0 ± 0
243.10151	Equol	C15H14O3			0 ± 0	2702.3 ± 9360.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
329.19251					0 ± 0	0 ± 0	7631.7 ± 26436.9	0 ± 0	0 ± 0	0 ± 0
232.12965	AsparaginyL-Valine	C9H17N3O4		Bacterial origin	0 ± 0	4411.1 ± 15280.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
461.03722					0 ± 0	0 ± 0	8017.3 ± 27772.7	0 ± 0	0 ± 0	0 ± 0
257.09867					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	15333.4 ± 36832.7
350.01146					0 ± 0	0 ± 0	0 ± 0	0 ± 0	12512.7 ± 43345.1	0 ± 0
373.97195					0 ± 0	0 ± 0	0 ± 0	3108.1 ± 10766.7	0 ± 0	0 ± 0
373.96914					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2113.4 ± 7320.9
283.12957					0 ± 0	0 ± 0	0 ± 0	0 ± 0	33522.9 ± 116126.8	0 ± 0
243.00391					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1656.3 ± 5737.4	0 ± 0
141.0691					0 ± 0	1850.1 ± 6408.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
147.07624					0 ± 0	0 ± 0	1714.5 ± 4004.3	0 ± 0	0 ± 0	0 ± 0
176.08623					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2418 ± 8376.1	0 ± 0
264.08407					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2264.9 ± 7845.8	0 ± 0
411.14984					0 ± 0	0 ± 0	0 ± 0	0 ± 0	24667.2 ± 85449.8	0 ± 0
440.25047					0 ± 0	0 ± 0	10018.9 ± 34706.3	0 ± 0	0 ± 0	0 ± 0
347.28238					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2816.8 ± 9757.6
254.11624	Proguanil	C11H16ClN5			0 ± 0	0 ± 0	0 ± 0	1840.2 ± 6374.6	0 ± 0	0 ± 0
263.11311					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3923.8 ± 13592.3
313.09537					0 ± 0	0 ± 0	1296.6 ± 4491.4	0 ± 0	0 ± 0	0 ± 0
301.12549					0 ± 0	0 ± 0	0 ± 0	19874.8 ± 68848.3	0 ± 0	0 ± 0
392.9627					0 ± 0	0 ± 0	0 ± 0	0 ± 0	13179.8 ± 45656.3	0 ± 0
240.10108					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	31514.8 ± 73897.7
493.98817					0 ± 0	0 ± 0	1060.8 ± 3674.7	0 ± 0	0 ± 0	0 ± 0
466.17737	(1S,3R)-4-oxo-6-(4-[(2	C28H23N3O4		Human exposome	0 ± 0	0 ± 0	0 ± 0	19961.3 ± 69147.8	0 ± 0	0 ± 0
240.11958					0 ± 0	0 ± 0	0 ± 0	0 ± 0	7362.8 ± 17815.7	0 ± 0
242.14917	Leuhistin	C11H19N3O3	anti-bacterial	Human exposome	0 ± 0	2115.8 ± 7329.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
389.165					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	15784.7 ± 36871.4
332.18316					0 ± 0	0 ± 0	0 ± 0	20908.6 ± 72429.5	0 ± 0	0 ± 0
401.98993					0 ± 0	0 ± 0	3203.3 ± 11096.6	0 ± 0	0 ± 0	0 ± 0
361.10883					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1897.5 ± 6573.3
390.98014					0 ± 0	0 ± 0	5306.2 ± 18381.1	0 ± 0	0 ± 0	0 ± 0
390.9792					0 ± 0	0 ± 0	4747.6 ± 16446.1	0 ± 0	0 ± 0	0 ± 0
257.15326					0 ± 0	0 ± 0	0 ± 0	36984.6 ± 67676	0 ± 0	0 ± 0
339.19149					0 ± 0	0 ± 0	0 ± 0	49826.7 ± 172604.8	0 ± 0	0 ± 0
551.0138					0 ± 0	0 ± 0	13071.3 ± 45280.2	0 ± 0	0 ± 0	0 ± 0
272.15988	Gly-Val-Pro	C12H21N3O4		Human exposome	0 ± 0	0 ± 0	1290.9 ± 4471.9	0 ± 0	0 ± 0	0 ± 0
366.15014					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5335.2 ± 18481.7	0 ± 0
248.11819	2-(3-Pyridinyl)-2,3-dih	C16H13N3		Human exposome	0 ± 0	0 ± 0	3063.7 ± 10612.9	0 ± 0	0 ± 0	0 ± 0
348.15036					0 ± 0	0 ± 0	0 ± 0	12609.1 ± 43679.3	0 ± 0	0 ± 0
230.16546	3-Tert-Butyl-1-(4-met	C14H19N3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2441.2 ± 8456.6
255.23136	Palmitoleic acid	C16H30O2		Human exposome	0 ± 0	3428.1 ± 8035.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
364.19477					0 ± 0	0 ± 0	23891.3 ± 82761.9	0 ± 0	0 ± 0	0 ± 0
329.13643					0 ± 0	8812.9 ± 30528.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
240.10503	N-(3-Methoxypropyl)-	C12H17NO2S			0 ± 0	3340.6 ± 11572	0 ± 0	0 ± 0	0 ± 0	0 ± 0
249.98261					0 ± 0	0 ± 0	1396.4 ± 4837.1	0 ± 0	0 ± 0	0 ± 0
179.07728					0 ± 0	2593.4 ± 6309.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
361.1964					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	21678 ± 75094.9
319.17461					0 ± 0	0 ± 0	0 ± 0	0 ± 0	12634.9 ± 43768.4	0 ± 0
337.14059					0 ± 0	0 ± 0	0 ± 0	39063.6 ± 95901.7	0 ± 0	0 ± 0

313.25253					0 ± 0	0 ± 0	4110.9 ± 14240.4	0 ± 0	0 ± 0	0 ± 0
449.04485					0 ± 0	0 ± 0	17899 ± 62003.8	0 ± 0	0 ± 0	0 ± 0
261.24381					0 ± 0	1287.1 ± 4458.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
431.95565					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7290.6 ± 25255.4
289.10201					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5442.7 ± 18854.2	0 ± 0
602.01347					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1752.5 ± 6070.9
297.16409					0 ± 0	0 ± 0	0 ± 0	34692.2 ± 120177.4	0 ± 0	0 ± 0
444.19557					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	23414.1 ± 81108.8
299.1082	3-[4-Ethoxyphenyl]-6-	C18H15FO3			0 ± 0	0 ± 0	1928.3 ± 6679.7	0 ± 0	0 ± 0	0 ± 0
281.08693					0 ± 0	0 ± 0	1351.1 ± 4680.3	0 ± 0	0 ± 0	0 ± 0
242.01708					0 ± 0	0 ± 0	1360.8 ± 4714	0 ± 0	0 ± 0	0 ± 0
147.08774					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	964.4 ± 3340.9
233.08667					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6521.7 ± 22591.8
307.05674					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10315.3 ± 35733.1
240.13574					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2416.6 ± 8371.3	0 ± 0
284.03496					0 ± 0	0 ± 0	3983.8 ± 13800.3	0 ± 0	0 ± 0	0 ± 0
521.16719					0 ± 0	0 ± 0	20632.3 ± 71472.5	0 ± 0	0 ± 0	0 ± 0
240.13176					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	966.2 ± 3346.9
478.32803					0 ± 0	0 ± 0	0 ± 0	0 ± 0	7407.3 ± 25659.6	0 ± 0
239.07796					0 ± 0	0 ± 0	3769.4 ± 13057.8	0 ± 0	0 ± 0	0 ± 0
366.12502					0 ± 0	0 ± 0	0 ± 0	58288.9 ± 205382.9	0 ± 0	0 ± 0
280.20198					0 ± 0	0 ± 0	1534.1 ± 5314.2	0 ± 0	0 ± 0	0 ± 0
433.24125					0 ± 0	4754.1 ± 16468.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
276.09499	1-[4-Nitro-2-(trifluoro	C11H12F3N3O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	13533.5 ± 46881.5
246.10534					0 ± 0	1489.4 ± 5159.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
237.1224	Hexobarbital	C12H16N2O3		Human exposome	0 ± 0	0 ± 0	1334.6 ± 4623.2	0 ± 0	0 ± 0	0 ± 0
409.16253	Melatonin glucuronide	C19H24N2O8			0 ± 0	0 ± 0	61883.5 ± 168419.3	0 ± 0	0 ± 0	0 ± 0
216.05958					0 ± 0	0 ± 0	1288.8 ± 4464.4	0 ± 0	0 ± 0	0 ± 0
345.14196					0 ± 0	11780.2 ± 40808	0 ± 0	0 ± 0	0 ± 0	0 ± 0
378.19957					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4000.3 ± 9399.3
422.93726					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1629.2 ± 5643.6
241.15559	Pirbuterol	C12H20N2O3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	4869.2 ± 16867.5	0 ± 0
243.09554	N-Allyl-N'-(1-naphthyl)	C14H14N2S			0 ± 0	0 ± 0	5028.6 ± 11768	0 ± 0	0 ± 0	0 ± 0
215.14231	Farfugin A	C15H18O	anti-bacterial	Human exposome	0 ± 0	6007.7 ± 20811.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
323.19574					0 ± 0	0 ± 0	0 ± 0	0 ± 0	9321.7 ± 32291.4	0 ± 0
322.98739	Maduraktermol A	C15H8Cl2O4			0 ± 0	0 ± 0	5862 ± 20306.6	0 ± 0	0 ± 0	0 ± 0
256.12071					0 ± 0	1423.5 ± 4931.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
261.13743	N,N'-Diphenyl-p-phen	C18H16N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1842.1 ± 6381.1
392.14078					0 ± 0	112611.9 ± 206218.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
284.07015					0 ± 0	0 ± 0	0 ± 0	5241.8 ± 18158.2	0 ± 0	0 ± 0
280.11548					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	16563.3 ± 57376.9
275.10214	1-methyl-2,3,4,9-tetra	C14H14N2O4		Human exposome	0 ± 0	6517.2 ± 22576.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
328.1652					0 ± 0	0 ± 0	0 ± 0	28037.5 ± 97124.7	0 ± 0	0 ± 0
276.09253					0 ± 0	0 ± 0	0 ± 0	1111.2 ± 3849.4	0 ± 0	0 ± 0
275.06877	N-[(4-Chlorophenyl)m	C13H11ClN4O			0 ± 0	0 ± 0	11269.5 ± 17000.2	0 ± 0	0 ± 0	0 ± 0
269.10964					0 ± 0	0 ± 0	6156 ± 21325	0 ± 0	0 ± 0	0 ± 0
377.07421					0 ± 0	32853.9 ± 79445.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
554.34359					0 ± 0	0 ± 0	0 ± 0	0 ± 0	10012.3 ± 34683.5	0 ± 0
322.13355					0 ± 0	0 ± 0	0 ± 0	12740.6 ± 44134.6	0 ± 0	0 ± 0
332.15744	Gln-Gly-Gln	C12H21N5O6		Bacterial origin	0 ± 0	0 ± 0	4087.3 ± 14158.9	0 ± 0	0 ± 0	0 ± 0
314.01056					0 ± 0	0 ± 0	2520.2 ± 8730.1	0 ± 0	0 ± 0	0 ± 0
273.11774					0 ± 0	0 ± 0	9941.8 ± 34439.6	0 ± 0	0 ± 0	0 ± 0
254.99432					0 ± 0	0 ± 0	2960.4 ± 6914.2	0 ± 0	0 ± 0	0 ± 0
187.11017					0 ± 0	1734.1 ± 6007	0 ± 0	0 ± 0	0 ± 0	0 ± 0
273.11743					0 ± 0	0 ± 0	7003.2 ± 24259.8	0 ± 0	0 ± 0	0 ± 0
267.11068					0 ± 0	0 ± 0	0 ± 0	3973.1 ± 13763.2	0 ± 0	0 ± 0
418.96937					0 ± 0	0 ± 0	2170.6 ± 7519.2	0 ± 0	0 ± 0	0 ± 0
286.07781					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1253.1 ± 4340.9	0 ± 0
337.12186					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	93654.4 ± 324428.5
263.16243					0 ± 0	11516.5 ± 39894.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
349.00331					0 ± 0	0 ± 0	3753.1 ± 13001.3	0 ± 0	0 ± 0	0 ± 0
157.10841					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1271 ± 4402.9	0 ± 0
432.18436					0 ± 0	0 ± 0	0 ± 0	22403.2 ± 52521.9	0 ± 0	0 ± 0
266.17053					0 ± 0	0 ± 0	0 ± 0	0 ± 0	19237.9 ± 66641.9	0 ± 0
318.12745	2-[4-Morpholinylcarbo	C16H19N3O2S		Human exposome	0 ± 0	99004 ± 342959.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
381.0255					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1703.6 ± 5901.5	0 ± 0
278.11248					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3320.6 ± 11502.8	0 ± 0
252.17479	Desoxyipiradrol	C18H21N			0 ± 0	0 ± 0	7451.7 ± 25813.6	0 ± 0	0 ± 0	0 ± 0
381.96224					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4711.1 ± 16319.8	0 ± 0
299.99212					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1040.4 ± 3604.1	0 ± 0
280.17983					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	22147.7 ± 76721.9
204.15009					0 ± 0	4545.6 ± 10618.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
182.01508					0 ± 0	0 ± 0	1137.7 ± 3941.3	0 ± 0	0 ± 0	0 ± 0
216.08094					0 ± 0	0 ± 0	7773.7 ± 14965.1	0 ± 0	0 ± 0	0 ± 0
306.04833	Cytidine-2',3'-Cyclic Ph	C9H12N3O7P			0 ± 0	0 ± 0	0 ± 0	0 ± 0	2760.1 ± 9561.3	0 ± 0
366.10631					0 ± 0	0 ± 0	17179.4 ± 59511	0 ± 0	0 ± 0	0 ± 0
299.13954	Bifenazate-diazene	C17H18N2O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6285.2 ± 21772.7
299.13903	Bifenazate-diazene	C17H18N2O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5241.6 ± 18157.6
286.12056					0 ± 0	0 ± 0	13979.2 ± 32999.8	0 ± 0	0 ± 0	0 ± 0
218.1012					0 ± 0	0 ± 0	0 ± 0	565.8 ± 1959.9	0 ± 0	0 ± 0
395.04947					0 ± 0	0 ± 0	0 ± 0	2367.3 ± 8200.5	0 ± 0	0 ± 0
343.19542					0 ± 0	0 ± 0	4975.4 ± 17235.4	0 ± 0	0 ± 0	0 ± 0
280.13596					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	22774.5 ± 78893.3
228.03724	N-[5-[(2-Amino-1,3-th	C7H9N5S2			0 ± 0	1124.1 ± 3893.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
344.14081					0 ± 0	0 ± 0	6239.7 ± 21615	0 ± 0	0 ± 0	0 ± 0
255.14226					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10102.4 ± 34995.6
349.25813					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4082.2 ± 14141	0 ± 0
391.07715					0 ± 0	0 ± 0	2773.3 ± 9607.1	0 ± 0	0 ± 0	0 ± 0
244.16479	Lysylproline	C11H21N3O3		Bacterial origin	0 ± 0	0 ± 0	33870.7 ± 42245.8	0 ± 0	0 ± 0	0 ± 0
281.0881					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	14413.8 ± 33685.3
367.13023					0 ± 0	0 ± 0	38495.6 ± 133352.6	0 ± 0	0 ± 0	0 ± 0
192.08035	Thioarginine	C6H13N3O2S			0 ± 0	0 ± 0	0 ± 0	0 ± 0	2617.7 ± 9067.9	0 ± 0
288.12989					0 ± 0	0 ± 0	8891.3 ± 30800.5	0 ± 0	0 ± 0	0 ± 0
333.17802	Gly-Glu-Lys	C13H24N4O6		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	1384.6 ± 4796.3	0 ± 0	0 ± 0
255.14516	Valylhistidine	C11H18N4O3		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4344.5 ± 15049.9	0 ± 0
256.12766					0 ± 0	0 ± 0	4104.9 ± 14219.6	0 ± 0	0 ± 0	0 ± 0
332.16408					0 ± 0	0 ± 0	0 ± 0	13763.9 ± 47679.6	0 ± 0	0 ± 0
415.24363					0 ± 0	0 ± 0	0 ± 0	0 ± 0	46962 ± 85149.7	0 ± 0
345.27786					0 ± 0	1709.5 ± 5922	0 ± 0	0 ± 0	0 ± 0	0 ± 0
296.14409					0 ± 0	0 ± 0	12208.2 ± 42290.3	0 ± 0	0 ± 0	0 ± 0
563.0357					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4649.8 ± 16107.3
233.13216					0 ± 0	0 ± 0	0 ± 0	0 ± 0	12457.3 ± 43153.5	0 ± 0
237.08719	N-Formyl-L-kynurenin	C11H12N2O4		Human exposome	0 ± 0	1755.3 ± 6080.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
333.21522					0 ± 0	0 ± 0	2218.5 ± 7685.2	0 ± 0	0 ± 0	0 ± 0
278.15346					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	57747.3 ± 64661.6
355.04687					0 ± 0	0 ± 0	0 ± 0	0 ± 0	8244.2 ± 28558.6	0 ± 0
371.18921					0 ± 0	0 ± 0	0 ± 0	10497.7 ± 36365.1	0 ± 0	0 ± 0
310.30924	Oleoyl ethylamide	C20H39NO		Human exposome	0 ± 0	10825.6 ± 37501.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
299.03123					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4217.2 ± 14608.9
347.09571					0 ± 0	0 ± 0	0 ± 0	0 ± 0	73152.4 ± 83357	0 ± 0
247.0872					0 ± 0	0 ± 0	0 ± 0	0 ± 0	6482.9 ± 22457.3	0 ± 0

515.13118					0 ± 0	14640.1 ± 50714.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
530.24114					0 ± 0	0 ± 0	5090.3 ± 17633.2	0 ± 0	0 ± 0	0 ± 0
253.09646	Phenytioin	C15H12N2O2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	4258.3 ± 14751	0 ± 0
251.12346					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4813.2 ± 16673.3	0 ± 0
275.1699					0 ± 0	0 ± 0	28000.4 ± 41492.8	0 ± 0	0 ± 0	0 ± 0
471.02946					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2071.1 ± 7174.5	0 ± 0
268.02717					0 ± 0	0 ± 0	0 ± 0	0 ± 0	8173.5 ± 28313.9	0 ± 0
329.15045					0 ± 0	9258.1 ± 32071.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
256.95613					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1475.3 ± 5110.7
150.09148	2-(Dimethylamino)ben	C9H11NO		Human exposome	0 ± 0	0 ± 0	0 ± 0	3706.6 ± 6714.5	0 ± 0	0 ± 0
287.97129					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2032.7 ± 7041.6	0 ± 0
284.00875	Risedronate	C7H11NO7P2			0 ± 0	0 ± 0	5708.3 ± 19774.1	0 ± 0	0 ± 0	0 ± 0
521.16985					0 ± 0	0 ± 0	0 ± 0	0 ± 0	732.8 ± 2538.6	0 ± 0
226.09301	Aciclovir	C8H11N5O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	5224.2 ± 18097	0 ± 0	0 ± 0
237.15924	Procaine	C13H20N2O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	699.2 ± 2422.1	0 ± 0	0 ± 0
246.03723	4-(Trifluoromethoxy)-	C10H6F3NO3			0 ± 0	0 ± 0	0 ± 0	2054.5 ± 7116.8	0 ± 0	0 ± 0
276.11801	N-gamma-Glutamylg	C10H17N3O6			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6176 ± 21394.2
306.14579					0 ± 0	0 ± 0	0 ± 0	16762 ± 58065.4	0 ± 0	0 ± 0
502.97976					0 ± 0	0 ± 0	0 ± 0	0 ± 0	24809.8 ± 85943.6	0 ± 0
203.22335	Spermine	C10H26N4		Bacterial origin	0 ± 0	0 ± 0	5589 ± 11065.1	0 ± 0	0 ± 0	0 ± 0
343.23379	Val-Pro-Lys	C16H30N4O4		Bacterial origin	0 ± 0	0 ± 0	6982.5 ± 12698.4	0 ± 0	0 ± 0	0 ± 0
302.10966	(Triphenylphosphoram	C20H16NP		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	12753.4 ± 44179.2
309.15717					0 ± 0	0 ± 0	0 ± 0	1960.9 ± 6792.6	0 ± 0	0 ± 0
361.1776					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2261.6 ± 7834.4	0 ± 0
322.07064					0 ± 0	0 ± 0	0 ± 0	4429.3 ± 15343.6	0 ± 0	0 ± 0
320.03992					0 ± 0	0 ± 0	0 ± 0	0 ± 0	7937.4 ± 27496	0 ± 0
353.09916					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3956.2 ± 13704.7	0 ± 0
591.26945					0 ± 0	0 ± 0	4748.8 ± 16450.2	0 ± 0	0 ± 0	0 ± 0
322.02705					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1816.6 ± 6292.8	0 ± 0
297.15011					0 ± 0	0 ± 0	0 ± 0	0 ± 0	19109.1 ± 66195.9	0 ± 0
512.90524					0 ± 0	0 ± 0	1517.1 ± 5255.4	0 ± 0	0 ± 0	0 ± 0
428.99587					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	955.3 ± 3309.3
506.36002	LysoPC(P-18:1(9Z)/0:0	C26H52NO6P			0 ± 0	0 ± 0	0 ± 0	0 ± 0	2873.7 ± 9954.7	0 ± 0
386.07568					0 ± 0	63379.2 ± 219551.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
260.02688	4-Bromo-2,5-dimetho	C10H14BrNO2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1946.2 ± 6741.8
681.20797					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3553.8 ± 8320.2
314.91529					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1680.1 ± 5820.1	0 ± 0
325.14575					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5196.4 ± 18001	0 ± 0
160.09569					0 ± 0	0 ± 0	0 ± 0	1786.7 ± 6189.4	0 ± 0	0 ± 0
227.10056	N-(Tert-Butyl)-N'-(3-fl	C11H15FN2S			0 ± 0	0 ± 0	0 ± 0	0 ± 0	7665 ± 26552.3	0 ± 0
269.13568					0 ± 0	0 ± 0	0 ± 0	0 ± 0	14138.1 ± 48975.9	0 ± 0
231.0292	5-(but-3-en-1-yn-1-yl)	C13H10S2			0 ± 0	0 ± 0	751 ± 2601.6	0 ± 0	0 ± 0	0 ± 0
314.08326					0 ± 0	0 ± 0	8204.9 ± 19996.1	0 ± 0	0 ± 0	0 ± 0
210.21106					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2105.3 ± 7293	0 ± 0
401.15407	N-Desmethyldiltiazem	C21H24N2O4S			0 ± 0	16805.7 ± 58216.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
246.11549					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2064 ± 7149.7	0 ± 0
432.97342					0 ± 0	0 ± 0	3822.8 ± 13242.6	0 ± 0	0 ± 0	0 ± 0
212.27627					0 ± 0	1211.1 ± 4195.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
270.13565	2-[[[9-Benzyl-9H-purin	C14H15N5O			0 ± 0	20019.4 ± 47083.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
315.12109					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5153.8 ± 17853.4	0 ± 0
243.13737	6E,8E,14E-Hexadecat	C16H18O2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4363.6 ± 15115.9
262.12941	Succinylcarnitine	C11H19NO6		Bacterial origin	0 ± 0	0 ± 0	5451.5 ± 18884.4	0 ± 0	0 ± 0	0 ± 0
352.8965					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5734 ± 19863.2
503.35582					0 ± 0	0 ± 0	4116.5 ± 14260.1	0 ± 0	0 ± 0	0 ± 0
261.10564	3-Cyclohexyl-2-sulfam	C14H16N2OS			0 ± 0	0 ± 0	3026.6 ± 10484.5	0 ± 0	0 ± 0	0 ± 0
259.12913					0 ± 0	0 ± 0	0 ± 0	21514.9 ± 50274.6	0 ± 0	0 ± 0
581.08286					0 ± 0	0 ± 0	0 ± 0	0 ± 0	7517.3 ± 26040.7	0 ± 0
301.14296					0 ± 0	13133.6 ± 45496.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
425.12537					0 ± 0	0 ± 0	0 ± 0	0 ± 0	14033.3 ± 48612.9	0 ± 0
408.00101					0 ± 0	0 ± 0	3514 ± 12172.7	0 ± 0	0 ± 0	0 ± 0
225.18459	FA 14:2	C14H24O2		Bacterial origin	0 ± 0	0 ± 0	9461.7 ± 32776.2	0 ± 0	0 ± 0	0 ± 0
547.30835					0 ± 0	0 ± 0	55231.2 ± 133743.6	0 ± 0	0 ± 0	0 ± 0
280.12702					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5302.5 ± 18368.5	0 ± 0
314.0882					0 ± 0	2719.5 ± 9420.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
116.07094	L-Proline	C5H9NO2		Bacterial origin	0 ± 0	0 ± 0	793 ± 2747	0 ± 0	0 ± 0	0 ± 0
405.14694					0 ± 0	0 ± 0	6681 ± 23143.7	0 ± 0	0 ± 0	0 ± 0
355.10593					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3649 ± 12640.5
217.07845	2-(2,4-Difluorophenox	C9H10F2N2O2		Human exposome	0 ± 0	3644.4 ± 8532.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
237.10825	S-aminomethyldihydr	C9H20N2OS2			0 ± 0	0 ± 0	2386 ± 8265.5	0 ± 0	0 ± 0	0 ± 0
275.20712	Lys-Lys	C12H26N4O3		Bacterial origin	0 ± 0	0 ± 0	53849.8 ± 79599.3	0 ± 0	0 ± 0	0 ± 0
292.08985					0 ± 0	0 ± 0	2987 ± 10347.4	0 ± 0	0 ± 0	0 ± 0
260.01125					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1650.6 ± 5718
308.1077					0 ± 0	0 ± 0	7188.9 ± 24903	0 ± 0	0 ± 0	0 ± 0
256.955					0 ± 0	0 ± 0	889.1 ± 3079.8	0 ± 0	0 ± 0	0 ± 0
384.84479					0 ± 0	1471.3 ± 5096.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
372.08579					0 ± 0	0 ± 0	18612.9 ± 64476.9	0 ± 0	0 ± 0	0 ± 0
241.09991	1-[[[4-Methyl(phenyl)s	C11H16N2O2S			0 ± 0	0 ± 0	18655.2 ± 28026.7	0 ± 0	0 ± 0	0 ± 0
268.17625					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2345.4 ± 8124.6	0 ± 0
404.11814					0 ± 0	0 ± 0	0 ± 0	0 ± 0	15139.1 ± 52443.5	0 ± 0
165.06953					0 ± 0	0 ± 0	944.1 ± 3270.6	0 ± 0	0 ± 0	0 ± 0
266.13497					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2327 ± 8060.9	0 ± 0
361.11303					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1325.2 ± 4590.7
575.2989					0 ± 0	0 ± 0	12602.6 ± 43656.8	0 ± 0	0 ± 0	0 ± 0
282.1904					0 ± 0	2756 ± 9546.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
527.11643					0 ± 0	0 ± 0	0 ± 0	0 ± 0	51527.9 ± 120491.7	0 ± 0
388.21766					0 ± 0	0 ± 0	1284.4 ± 4449.2	0 ± 0	0 ± 0	0 ± 0
459.19438					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	15293.3 ± 35719.4
201.10395					0 ± 0	0 ± 0	0 ± 0	575.7 ± 1994.3	0 ± 0	0 ± 0
197.98891					0 ± 0	0 ± 0	1002.7 ± 3473.3	0 ± 0	0 ± 0	0 ± 0
232.11161					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2503.1 ± 8670.9	0 ± 0
297.95552					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1576.5 ± 5461.3
197.98987					0 ± 0	1204.5 ± 4172.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
309.0685					0 ± 0	0 ± 0	0 ± 0	3928.1 ± 13607.5	0 ± 0	0 ± 0
275.12336					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	14291.8 ± 49508.2
381.15856					0 ± 0	0 ± 0	0 ± 0	0 ± 0	31966.7 ± 110736	0 ± 0
368.01763					0 ± 0	0 ± 0	4367.7 ± 15130.3	0 ± 0	0 ± 0	0 ± 0
210.1493	2,5-Dimethoxy-4-meth	C12H19NO2		Human exposome	0 ± 0	0 ± 0	0 ± 0	3135.2 ± 10860.6	0 ± 0	0 ± 0
429.99627					0 ± 0	0 ± 0	0 ± 0	2638.9 ± 9141.6	0 ± 0	0 ± 0
471.04013					0 ± 0	0 ± 0	4101 ± 14206.3	0 ± 0	0 ± 0	0 ± 0
351.03313					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1214.3 ± 4206.4	0 ± 0
293.97436					0 ± 0	0 ± 0	0 ± 0	2378.7 ± 8240	0 ± 0	0 ± 0
324.14574	Boc-Asp(OBzl)-OH	C16H21NO6		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	14503.1 ± 50240.2
224.06439	Suritozole	C10H10FN3S			0 ± 0	0 ± 0	1253 ± 4340.6	0 ± 0	0 ± 0	0 ± 0
131.01098					0 ± 0	716.7 ± 2482.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
430.17231					0 ± 0	0 ± 0	6452.1 ± 22350.8	0 ± 0	0 ± 0	0 ± 0
293.97853					0 ± 0	0 ± 0	1750.2 ± 6063	0 ± 0	0 ± 0	0 ± 0
104.10712	2-(Dimethylamino)pro	C5H13NO			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1042.1 ± 3610
492.45265					0 ± 0	1187.7 ± 4114.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
315.11317	1-Amino-4-anilinoam	C20H14N2O2			0 ± 0	0 ± 0	33508.7 ± 78278	0 ± 0	0 ± 0	0 ± 0
430.91316					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5678.2 ± 19669.9	0 ± 0
192.09153					0 ± 0	3358.4 ± 11633.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0

285.24114					0 ± 0	0 ± 0	734.7 ± 2545	0 ± 0	0 ± 0	0 ± 0
223.19314					0 ± 0	6428.7 ± 22269.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
267.05317	Methyl (((5-chloro-1H	C12H11ClN2O3			0 ± 0	0 ± 0	2032.4 ± 7040.4	0 ± 0	0 ± 0	0 ± 0
259.0234					0 ± 0	0 ± 0	1035.9 ± 3588.6	0 ± 0	0 ± 0	0 ± 0
255.07053	N-(5-(3-Pyridinyl)-1,3,	C13H10N4S			0 ± 0	3281.4 ± 7669.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
219.09652	Siastatin B	C8H14N2O5	Human exposome		0 ± 0	0 ± 0	0 ± 0	1710.3 ± 5924.5	0 ± 0	0 ± 0
203.11766					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2348.7 ± 8136.2
271.11542					0 ± 0	0 ± 0	0 ± 0	12755.6 ± 44186.8	0 ± 0	0 ± 0
386.06145					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	44533.8 ± 154269.6
318.1141					0 ± 0	0 ± 0	8130.4 ± 28164.5	0 ± 0	0 ± 0	0 ± 0
183.11313	3-(tert-butyl)-1-methy	C9H14N2O2	Human exposome		0 ± 0	0 ± 0	0 ± 0	1816 ± 6290.8	0 ± 0	0 ± 0
313.9828					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2313.3 ± 8013.4
230.07092					0 ± 0	0 ± 0	0 ± 0	0 ± 0	923.4 ± 3198.7	0 ± 0
430.91349					0 ± 0	0 ± 0	0 ± 0	5052 ± 17500.7	0 ± 0	0 ± 0
306.01106					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2638.5 ± 6177.2	0 ± 0
264.10672					0 ± 0	5041.2 ± 17463.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
439.06913					0 ± 0	40667.5 ± 95488.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
288.09239					0 ± 0	0 ± 0	13608.2 ± 24632	0 ± 0	0 ± 0	0 ± 0
230.15123					0 ± 0	0 ± 0	1275.1 ± 4417.2	0 ± 0	0 ± 0	0 ± 0
410.02911					0 ± 0	4483.5 ± 15531.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
420.16773					0 ± 0	25164.8 ± 59183	0 ± 0	0 ± 0	0 ± 0	0 ± 0
208.11005					0 ± 0	0 ± 0	0 ± 0	1297.9 ± 4496.2	0 ± 0	0 ± 0
319.09484					0 ± 0	0 ± 0	5767.3 ± 19978.6	0 ± 0	0 ± 0	0 ± 0
256.20093	Tert-Butyl (1-(piperid	C13H25N3O2			0 ± 0	0 ± 0	3123.1 ± 10818.8	0 ± 0	0 ± 0	0 ± 0
345.12797					0 ± 0	23481.2 ± 54951.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
320.0033					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5056.2 ± 17515.2	0 ± 0
302.11763					0 ± 0	0 ± 0	0 ± 0	0 ± 0	21807.3 ± 75542.8	0 ± 0
251.24771					0 ± 0	648.8 ± 2247.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
259.2373	Nitrososaxin C	C14H30N2O2	Human exposome		0 ± 0	1760.7 ± 6099.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
366.21445	4-amino-5-[[3-[[[(2S)-	C17H27N5O4	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	11827.3 ± 40971	0 ± 0
555.95163					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3122.2 ± 10815.5	0 ± 0
743.27181					0 ± 0	0 ± 0	1180.9 ± 4090.7	0 ± 0	0 ± 0	0 ± 0
256.11472					0 ± 0	0 ± 0	2621.6 ± 9081.4	0 ± 0	0 ± 0	0 ± 0
437.12548					0 ± 0	0 ± 0	0 ± 0	35533.5 ± 55553.1	0 ± 0	0 ± 0
217.085		C13H12O3			0 ± 0	0 ± 0	0 ± 0	1294.1 ± 4482.8	0 ± 0	0 ± 0
423.15766	1,3-Cyclobutanedicarb	C28H22O4			0 ± 0	0 ± 0	35448 ± 122795.6	0 ± 0	0 ± 0	0 ± 0
347.14613	Glycine, N,N'-1,2-cycl	C14H22N2O8			0 ± 0	35369.8 ± 68684	0 ± 0	0 ± 0	0 ± 0	0 ± 0
272.03985					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	25885.9 ± 65420.2
348.86705					0 ± 0	0 ± 0	0 ± 0	12839.1 ± 44476.1	0 ± 0	0 ± 0
355.96794					0 ± 0	0 ± 0	0 ± 0	7749.4 ± 26844.7	0 ± 0	0 ± 0
249.07204					0 ± 0	5281.3 ± 18294.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
304.1251					0 ± 0	0 ± 0	9298 ± 32209.3	0 ± 0	0 ± 0	0 ± 0
384.18506					0 ± 0	0 ± 0	0 ± 0	34223.2 ± 63024	0 ± 0	0 ± 0
291.13521					0 ± 0	0 ± 0	3549.3 ± 12295.3	0 ± 0	0 ± 0	0 ± 0
255.08079					0 ± 0	5902.7 ± 14805.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
304.16081	Arg-Glu	C11H21N5O5	Bacterial origin		0 ± 0	0 ± 0	29311.2 ± 101537	0 ± 0	0 ± 0	0 ± 0
265.12672					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6048.4 ± 20952.3
311.36495					0 ± 0	0 ± 0	0 ± 0	1579.5 ± 5471.7	0 ± 0	0 ± 0
198.99753					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	711.6 ± 2464.9
245.10133					0 ± 0	0 ± 0	0 ± 0	7028.2 ± 12978.8	0 ± 0	0 ± 0
188.07818					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3420 ± 8810	0 ± 0
257.08863	Nicotinic acid ribonuci	C11H14NO6	Human exposome		0 ± 0	0 ± 0	1862.8 ± 6452.9	0 ± 0	0 ± 0	0 ± 0
480.89116					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1757.3 ± 6087.6	0 ± 0
270.21688	N-Cyclohexyl-N'-[3-(4-	C14H27N3O2			0 ± 0	0 ± 0	8102.8 ± 28069.1	0 ± 0	0 ± 0	0 ± 0
450.16332					0 ± 0	0 ± 0	0 ± 0	0 ± 0	31058.7 ± 107590.5	0 ± 0
242.08867					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5210.2 ± 18048.5	0 ± 0
357.21304	PyroGlu-Val-Lys	C16H28N4O5	Bacterial origin		0 ± 0	0 ± 0	15249.7 ± 35645.6	0 ± 0	0 ± 0	0 ± 0
330.10345	Piperalin	C16H21Cl2NO2			0 ± 0	0 ± 0	6412.3 ± 22212.9	0 ± 0	0 ± 0	0 ± 0
291.14215					0 ± 0	0 ± 0	6025.8 ± 20873.9	0 ± 0	0 ± 0	0 ± 0
376.18162					0 ± 0	0 ± 0	24296.6 ± 56843.4	0 ± 0	0 ± 0	0 ± 0
216.09044					0 ± 0	901.6 ± 3123.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
226.04147					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1269.8 ± 4398.6
216.13215					0 ± 0	0 ± 0	2668.1 ± 6232	0 ± 0	0 ± 0	0 ± 0
321.31222					0 ± 0	0 ± 0	4903.5 ± 16986.1	0 ± 0	0 ± 0	0 ± 0
260.0561	4-(3-Nitrophenoxy)ben	C13H9NO5	Human exposome/sec		0 ± 0	0 ± 0	0 ± 0	2169.1 ± 7514.1	0 ± 0	0 ± 0
314.07133					0 ± 0	0 ± 0	4879.2 ± 16902	0 ± 0	0 ± 0	0 ± 0
213.12346					0 ± 0	0 ± 0	921.4 ± 3191.8	0 ± 0	0 ± 0	0 ± 0
500.32256					0 ± 0	0 ± 0	5714.1 ± 19794.2	0 ± 0	0 ± 0	0 ± 0
211.07228					0 ± 0	0 ± 0	2879.8 ± 9975.9	0 ± 0	0 ± 0	0 ± 0
418.37959					0 ± 0	2945.3 ± 10203	0 ± 0	0 ± 0	0 ± 0	0 ± 0
495.21	Panosialin C	C22H38O8S2	Human exposome		0 ± 0	0 ± 0	0 ± 0	28021.4 ± 51536.1	0 ± 0	0 ± 0
509.96248					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5984.9 ± 20732.3	0 ± 0
242.09199	Salinazid	C13H11N3O2	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	1079.2 ± 3738.6	0 ± 0
278.15767					0 ± 0	2170.6 ± 7519.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
233.09167	Nalidixic Acid	C12H12N2O3			0 ± 0	0 ± 0	2011.8 ± 6969	0 ± 0	0 ± 0	0 ± 0
504.19771	N-Butyloxycarbonyl-3-	C25H33N3O4S2	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	27806.6 ± 96324.8	0 ± 0
184.06839					0 ± 0	0 ± 0	2796.7 ± 9688	0 ± 0	0 ± 0	0 ± 0
229.08486	Oxybenzone	C14H12O3	Human exposome		0 ± 0	0 ± 0	0 ± 0	2318.1 ± 8030.1	0 ± 0	0 ± 0
347.13162					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7934.7 ± 27486.5
309.99875					0 ± 0	0 ± 0	1685.4 ± 5838.4	0 ± 0	0 ± 0	0 ± 0
228.0659	4-Nitrobenzophenone	C13H9NO3	Human exposome		0 ± 0	0 ± 0	0 ± 0	2142.4 ± 7421.7	0 ± 0	0 ± 0
221.02466					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1597.2 ± 5532.9
328.08665					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9070.5 ± 31421.2
487.00837					0 ± 0	0 ± 0	5529.4 ± 19154.4	0 ± 0	0 ± 0	0 ± 0
332.19543					0 ± 0	0 ± 0	0 ± 0	16335.5 ± 56587.7	0 ± 0	0 ± 0
325.18466					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5864.9 ± 20316.6	0 ± 0
188.14345	Selegiline	C13H17N			0 ± 0	0 ± 0	0 ± 0	926.7 ± 3210.1	0 ± 0	0 ± 0
360.11193					0 ± 0	7869.2 ± 27259.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
336.14577					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8492.4 ± 29418.4
184.14361					0 ± 0	24112.2 ± 25360.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
372.87462	5-[[Pentachloropheno	C12H5Cl5O3	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2321.7 ± 8042.5
254.01115					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1085.2 ± 3759.1
391.17247					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	24887.2 ± 50585.4
220.97899					0 ± 0	0 ± 0	2679.2 ± 9281	0 ± 0	0 ± 0	0 ± 0
295.99744	7-Nitronaphtho[1,2-D	C10H5N3O6S			0 ± 0	0 ± 0	1590.3 ± 5508.8	0 ± 0	0 ± 0	0 ± 0
545.34041					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3944.1 ± 13662.6
314.12194					0 ± 0	0 ± 0	0 ± 0	0 ± 0	7539.6 ± 26118	0 ± 0
228.06246					0 ± 0	0 ± 0	1109.7 ± 3844	0 ± 0	0 ± 0	0 ± 0
488.22795					0 ± 0	0 ± 0	0 ± 0	8251.6 ± 28584.3	0 ± 0	0 ± 0
210.09645	N-((2S,3R,4R,5R)-2,3,	C7H15NO6	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	14794.2 ± 34900
305.13551					0 ± 0	0 ± 0	23636.6 ± 46041.7	0 ± 0	0 ± 0	0 ± 0
484.1968	(2S)-2-[[[(E)-6-(4-hydr	C26H29NO8	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6586.3 ± 22815.7
316.9172					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2662.5 ± 9223.3	0 ± 0
575.10615					0 ± 0	0 ± 0	23405.7 ± 54670	0 ± 0	0 ± 0	0 ± 0
358.13274	8-Methoxyloxapine	C19H20ClN3O2			0 ± 0	0 ± 0	9415.9 ± 32617.7	0 ± 0	0 ± 0	0 ± 0
229.93742	6-Bromo[1,2,4]triazol	C6H4BrN3S			0 ± 0	0 ± 0	0 ± 0	0 ± 0	15613.8 ± 54087.9	0 ± 0
372.87275					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1090.1 ± 3776
190.91161					0 ± 0	0 ± 0	0 ± 0	0 ± 0	18725.2 ± 64865.9	0 ± 0
314.12955	(4-Benzylpiperidin-1-yl	C19H20ClNO	Human exposome		0 ± 0	0 ± 0	4473 ± 15494.9	0 ± 0	0 ± 0	0 ± 0
378.24723					0 ± 0	0 ± 0	0 ± 0	0 ± 0	6929.9 ± 24006	0 ± 0
196.15837					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5704.5 ± 19760.9	0 ± 0

271.01953	4-Methoxy-N-(1,3-thia	C10H10N2O3S2		0 ± 0	0 ± 0	2906.3 ± 6791.5	0 ± 0	0 ± 0	0 ± 0
287.1372	N-(1-Benzyl-4-piperid	C14H17F3N2O	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3294.4 ± 11412.3
415.01569				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5783.8 ± 13633.1
353.14702	2-(Diphenylphosphino	C25H21P		0 ± 0	0 ± 0	0 ± 0	9129.3 ± 21518.1	0 ± 0	0 ± 0
400.0232				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2292.8 ± 7942.4	0 ± 0
409.93881				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2045.7 ± 7086.6
223.22792				0 ± 0	1570 ± 5438.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
323.11043				0 ± 0	0 ± 0	2172.9 ± 7527	0 ± 0	0 ± 0	0 ± 0
250.09409				0 ± 0	10170.9 ± 35233	0 ± 0	0 ± 0	0 ± 0	0 ± 0
520.21445				0 ± 0	0 ± 0	0 ± 0	0 ± 0	21119.1 ± 73158.5	0 ± 0
196.17043	1-Amino-3-hydroxyme	C12H21NO		0 ± 0	0 ± 0	0 ± 0	0 ± 0	3190 ± 11050.6	0 ± 0
271.01946	4-Methoxy-N-(1,3-thia	C10H10N2O3S2		0 ± 0	0 ± 0	0 ± 0	0 ± 0	1120.6 ± 3881.9	0 ± 0
391.03966				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1497.2 ± 5186.5
292.04097	2-Chloro-5-[isopropyl	C11H14ClNO4S	Human exposome/sec	0 ± 0	0 ± 0	6530.4 ± 15290.3	0 ± 0	0 ± 0	0 ± 0
375.99911				0 ± 0	0 ± 0	14637 ± 50704.1	0 ± 0	0 ± 0	0 ± 0
173.07739				0 ± 0	0 ± 0	830.4 ± 2876.4	0 ± 0	0 ± 0	0 ± 0
281.09567				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5342.6 ± 18507.4
260.13672				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1799.7 ± 6234.3	0 ± 0
351.09461				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1490.6 ± 5163.5	0 ± 0
500.95421				0 ± 0	0 ± 0	3380.5 ± 11710.3	0 ± 0	0 ± 0	0 ± 0
380.33084				0 ± 0	0 ± 0	19884.3 ± 68881.4	0 ± 0	0 ± 0	0 ± 0
322.92771				0 ± 0	0 ± 0	2859.6 ± 9906.1	0 ± 0	0 ± 0	0 ± 0
261.1078				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7072.2 ± 24498.8
354.01085				0 ± 0	0 ± 0	2450.3 ± 8488.1	0 ± 0	0 ± 0	0 ± 0
250.06217				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1927.6 ± 6677.6	0 ± 0
303.01711				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1628.2 ± 5640.4	0 ± 0
478.83673				0 ± 0	0 ± 0	0 ± 0	0 ± 0	10315 ± 35732.1	0 ± 0
381.11461				0 ± 0	0 ± 0	18783.4 ± 65067.5	0 ± 0	0 ± 0	0 ± 0
360.19624				0 ± 0	0 ± 0	11199.5 ± 38796.2	0 ± 0	0 ± 0	0 ± 0
425.01637				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2369.5 ± 8208.1	0 ± 0
319.08327				0 ± 0	0 ± 0	10784.6 ± 37359.1	0 ± 0	0 ± 0	0 ± 0
427.18398				0 ± 0	0 ± 0	0 ± 0	1612 ± 5584	0 ± 0	0 ± 0
410.93147				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1246.1 ± 4316.4
610.27058				0 ± 0	0 ± 0	4073.6 ± 14111.2	0 ± 0	0 ± 0	0 ± 0
299.06407				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3856.8 ± 13360.5
280.27369				0 ± 0	1831.1 ± 6343.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
273.09211				0 ± 0	0 ± 0	0 ± 0	10495.7 ± 24907.2	0 ± 0	0 ± 0
464.99911				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	18059.9 ± 42212
230.08427	N-(3-oxo-hexanoyl)-hc	C10H15NO3S	Bacterial origin	0 ± 0	0 ± 0	1761.3 ± 6101.4	0 ± 0	0 ± 0	0 ± 0
358.34767	N-(2-fluoro-ethyl)-eic	C22H44FNO		0 ± 0	0 ± 0	0 ± 0	0 ± 0	1262 ± 4371.6	0 ± 0
410.93526				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1509.5 ± 5229.1
148.10549				0 ± 0	0 ± 0	0 ± 0	922.4 ± 3195.2	0 ± 0	0 ± 0
494.00259				0 ± 0	0 ± 0	0 ± 0	2770.5 ± 9597.4	0 ± 0	0 ± 0
255.0947	2-Phenyl-5,6,7,8-tetra	C15H14N2S		0 ± 0	3048.1 ± 10558.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
208.09665	N-Acetyl-L-phenylalan	C11H13NO3		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4312.7 ± 14939.6
231.09136				0 ± 0	0 ± 0	5523.1 ± 13079.1	0 ± 0	0 ± 0	0 ± 0
396.19394				0 ± 0	0 ± 0	0 ± 0	17089.9 ± 59201.3	0 ± 0	0 ± 0
434.99712				0 ± 0	0 ± 0	0 ± 0	6767.4 ± 23442.9	0 ± 0	0 ± 0
449.21032				0 ± 0	0 ± 0	0 ± 0	0 ± 0	16980.9 ± 58823.6	0 ± 0
347.29999				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	16822.6 ± 58275.3
180.04137				0 ± 0	0 ± 0	0 ± 0	0 ± 0	812.3 ± 2813.8	0 ± 0
262.11472				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3204.1 ± 11099.3	0 ± 0
514.96597				0 ± 0	0 ± 0	0 ± 0	0 ± 0	4016.3 ± 13913	0 ± 0
272.101				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	18949.1 ± 35993
659.24158				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4444.3 ± 15395.4
357.14974				0 ± 0	4584.1 ± 15879.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
462.13842				0 ± 0	0 ± 0	16169 ± 38196	0 ± 0	0 ± 0	0 ± 0
370.1713				0 ± 0	2280.5 ± 7899.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
337.21379	Acebutolol	C18H28N2O4	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	15928.6 ± 55178.3
350.00337				0 ± 0	0 ± 0	2202.6 ± 7630	0 ± 0	0 ± 0	0 ± 0
545.25649				0 ± 0	15796.7 ± 54721.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
343.9856				0 ± 0	0 ± 0	4302.5 ± 14904.3	0 ± 0	0 ± 0	0 ± 0
328.06321				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1698.6 ± 5884.2
379.05784	Chlorflavonin	C18H15ClO7		0 ± 0	0 ± 0	6688.1 ± 23168.1	0 ± 0	0 ± 0	0 ± 0
353.11969				0 ± 0	13894.7 ± 48132.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
388.099				0 ± 0	15729.5 ± 54488.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
597.29952				0 ± 0	15451.4 ± 53525.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
378.11629				0 ± 0	1507.7 ± 5222.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
277.12184				0 ± 0	0 ± 0	0 ± 0	0 ± 0	4891.3 ± 16944	0 ± 0
237.00855				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1909.9 ± 6616
415.22351				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2060.9 ± 7139.1	0 ± 0
591.20053				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	12898.2 ± 44680.8
219.11326				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1221.3 ± 4230.7
370.17091				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1131.4 ± 3919.2
462.12345				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	14504.9 ± 50246.6
291.02235				0 ± 0	0 ± 0	3581.4 ± 12406.2	0 ± 0	0 ± 0	0 ± 0
252.11346	7-Aminonitrazepam	C15H13N3O	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6402.2 ± 22177.9
632.27423				0 ± 0	0 ± 0	14308.1 ± 49564.6	0 ± 0	0 ± 0	0 ± 0
323.07737				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8991.1 ± 31146
275.99888				0 ± 0	0 ± 0	5968 ± 14054	0 ± 0	0 ± 0	0 ± 0
244.0336	[2-(2-Bromophenoxy)]4	C10H14BrNO	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1255.6 ± 4349.5	0 ± 0
419.36231				0 ± 0	8958.2 ± 31032.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
281.11116				0 ± 0	0 ± 0	4376.4 ± 15160.1	0 ± 0	0 ± 0	0 ± 0
397.17606	Benazeprilat	C22H24N2O5		0 ± 0	0 ± 0	14095.4 ± 48827.8	0 ± 0	0 ± 0	0 ± 0
375.16147				0 ± 0	13936.6 ± 48277.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
571.28588				0 ± 0	0 ± 0	6852.4 ± 23737.5	0 ± 0	0 ± 0	0 ± 0
531.95954				0 ± 0	0 ± 0	6356.3 ± 22018.9	0 ± 0	0 ± 0	0 ± 0
261.07086	5-Hydroxyuridine	C9H12N2O7	Human exposome	0 ± 0	0 ± 0	1211 ± 4195.2	0 ± 0	0 ± 0	0 ± 0
311.34822				0 ± 0	2645.6 ± 9164.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
375.99883				0 ± 0	0 ± 0	4399.8 ± 15241.5	0 ± 0	0 ± 0	0 ± 0
267.13591				0 ± 0	0 ± 0	1913.2 ± 6627.6	0 ± 0	0 ± 0	0 ± 0
364.17083				0 ± 0	0 ± 0	0 ± 0	13421.3 ± 46492.7	0 ± 0	0 ± 0
328.045				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3718.4 ± 12880.8	0 ± 0
542.06409				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	13351.8 ± 46252.1
484.21	3-Quinolinecarbonitril	C25H29N3O7	Human exposome	0 ± 0	13341 ± 46214.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
394.9722	2-Iodo-N-(6-methyl-1,	C15H11IN2OS		0 ± 0	0 ± 0	2330.6 ± 8073.4	0 ± 0	0 ± 0	0 ± 0
202.07326				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3019.6 ± 10460.2	0 ± 0
491.16403				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4774.6 ± 16539.5
312.02267	N,N-Bis(2-chloroethyl)	C11H15Cl2N2O3S		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1660 ± 5750.3
313.0748				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	12463.7 ± 43175.6
376.00347				0 ± 0	4092.2 ± 14175.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
447.29232				0 ± 0	0 ± 0	13159.1 ± 45584.5	0 ± 0	0 ± 0	0 ± 0
272.08094				0 ± 0	2614.7 ± 6206.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
185.10576				0 ± 0	0 ± 0	0 ± 0	910.5 ± 3154.1	0 ± 0	0 ± 0
203.06419	alpha-Naphthylthiou	C11H10N2S	Human exposome	0 ± 0	0 ± 0	1967.9 ± 6817.1	0 ± 0	0 ± 0	0 ± 0
372.98181				0 ± 0	0 ± 0	11845 ± 41032.3	0 ± 0	0 ± 0	0 ± 0
338.96597				0 ± 0	0 ± 0	0 ± 0	0 ± 0	8836 ± 30608.8	0 ± 0
171.09335				0 ± 0	0 ± 0	0 ± 0	820.3 ± 2841.6	0 ± 0	0 ± 0
286.08339				0 ± 0	0 ± 0	12694.6 ± 43975.3	0 ± 0	0 ± 0	0 ± 0
448.18206				0 ± 0	0 ± 0	0 ± 0	0 ± 0	12633.9 ± 43765	0 ± 0
203.06915				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1553.2 ± 5380.3	0 ± 0

257.94835				0 ± 0	1273 ± 4409.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
248.06188	4-Chloro-6-[3-Methoxy	C9H14ClN3O5		0 ± 0	0 ± 0	7053.3 ± 24433.4	0 ± 0	0 ± 0	0 ± 0
351.10561				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4761.9 ± 11130.3
328.05556				0 ± 0	0 ± 0	7968.5 ± 27603.8	0 ± 0	0 ± 0	0 ± 0
166.1229	Pseudoephedrine	C10H15NO		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1118.2 ± 3873.7
410.99086				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4692 ± 16253.6
517.86058				0 ± 0	0 ± 0	0 ± 0	0 ± 0	10315.2 ± 35732.8	0 ± 0
263.0616				0 ± 0	0 ± 0	6576.7 ± 12112.3	0 ± 0	0 ± 0	0 ± 0
210.04896				0 ± 0	0 ± 0	0 ± 0	1485.2 ± 5144.9	0 ± 0	0 ± 0
334.14752				0 ± 0	0 ± 0	0 ± 0	0 ± 0	12218.7 ± 42326.8	0 ± 0
388.16297				0 ± 0	0 ± 0	12197.2 ± 42252.4	0 ± 0	0 ± 0	0 ± 0
584.23638				0 ± 0	0 ± 0	0 ± 0	0 ± 0	12196.2 ± 42249	0 ± 0
439.03297				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	12190.3 ± 42228.4
210.06226				0 ± 0	0 ± 0	0 ± 0	4251 ± 14725.9	0 ± 0	0 ± 0
252.1166	N-Benzoyl-N'-[2-(dim	C12H17N3O5		0 ± 0	0 ± 0	2892.7 ± 10020.7	0 ± 0	0 ± 0	0 ± 0
525.02614				0 ± 0	0 ± 0	0 ± 0	5390.2 ± 18672.2	0 ± 0	0 ± 0
620.27909				0 ± 0	0 ± 0	12067.2 ± 41802	0 ± 0	0 ± 0	0 ± 0
247.07663	2-[[4-Fluorobenzyl]ox	C14H11FO3	Human exposome/sec	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2651.8 ± 9186
604.08258				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7429.9 ± 25737.9
262.11431				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5695.1 ± 15665.5
271.08272				0 ± 0	0 ± 0	4670.9 ± 16180.4	0 ± 0	0 ± 0	0 ± 0
291.02322				0 ± 0	0 ± 0	0 ± 0	0 ± 0	903.4 ± 3129.4	0 ± 0
298.10153				0 ± 0	0 ± 0	12682.8 ± 29691.5	0 ± 0	0 ± 0	0 ± 0
290.99754				0 ± 0	11640.3 ± 27376	0 ± 0	0 ± 0	0 ± 0	0 ± 0
497.19156	punaglandin 3	C25H33ClO8		0 ± 0	0 ± 0	11534.7 ± 39957.3	0 ± 0	0 ± 0	0 ± 0
509.96958				0 ± 0	0 ± 0	0 ± 0	4357.2 ± 15093.8	0 ± 0	0 ± 0
274.07848				0 ± 0	0 ± 0	11279.7 ± 39073.9	0 ± 0	0 ± 0	0 ± 0
390.17657				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10886 ± 37710.4
529.02475				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3601.7 ± 12476.7	0 ± 0
394.3066				0 ± 0	1264.1 ± 4378.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
550.9295				0 ± 0	0 ± 0	10785.4 ± 37361.6	0 ± 0	0 ± 0	0 ± 0
448.9317				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10752.5 ± 37247.6
330.99295				0 ± 0	0 ± 0	1304.9 ± 4520.4	0 ± 0	0 ± 0	0 ± 0
310.13352	5'-Amino-4-methyl-1	C21H15N3	unknown	0 ± 0	0 ± 0	10707.8 ± 37092.8	0 ± 0	0 ± 0	0 ± 0
246.01204	Ethyl 4-bromo-3,5-dim	C9H12BrNO2		0 ± 0	0 ± 0	458.6 ± 1588.7	0 ± 0	0 ± 0	0 ± 0
407.89603				0 ± 0	1601.5 ± 5547.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
313.12458				0 ± 0	0 ± 0	10637.5 ± 16130.1	0 ± 0	0 ± 0	0 ± 0
182.15443	N-Ethyl trans-2-cis-6-	C11H19NO		0 ± 0	1110 ± 3845.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
528.93364				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2805.3 ± 9717.7	0 ± 0
481.18746				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10452.6 ± 36209
296.11928				0 ± 0	0 ± 0	7122.9 ± 24674.5	0 ± 0	0 ± 0	0 ± 0
322.27732				0 ± 0	2700.6 ± 9355.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
347.22813	Val-Thr-Lys	C15H30N4O5	Bacterial origin	0 ± 0	0 ± 0	10305.4 ± 24220.7	0 ± 0	0 ± 0	0 ± 0
248.09941				0 ± 0	6676.1 ± 23126.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
399.98769				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1353 ± 4687
353.14485				0 ± 0	0 ± 0	0 ± 0	0 ± 0	10103.1 ± 34998.3	0 ± 0
409.17254				0 ± 0	0 ± 0	0 ± 0	10080.4 ± 34919.4	0 ± 0	0 ± 0
355.28248				0 ± 0	0 ± 0	1152.3 ± 3991.7	0 ± 0	0 ± 0	0 ± 0
186.22144	N-Dodecylamine	C12H27N		0 ± 0	5373.2 ± 12657.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
367.27098				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2314.8 ± 8018.5	0 ± 0
271.97624				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1636.3 ± 5668.4
243.08149				0 ± 0	0 ± 0	1621.9 ± 5618.4	0 ± 0	0 ± 0	0 ± 0
282.13571				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9588.6 ± 33215.8
471.99974				0 ± 0	0 ± 0	0 ± 0	0 ± 0	9524.6 ± 32994.3	0 ± 0
185.0653				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1986.4 ± 6881.2	0 ± 0
195.09852	4-Ethyl-5-methyl-2-(1	C7H10N6O		0 ± 0	0 ± 0	1227.2 ± 4251.1	0 ± 0	0 ± 0	0 ± 0
591.23739				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3673.3 ± 12724.7
246.07597	Haplopine	C13H11NO4		0 ± 0	0 ± 0	0 ± 0	0 ± 0	4875 ± 16887.6	0 ± 0
452.18607				0 ± 0	0 ± 0	0 ± 0	9198.2 ± 31863.5	0 ± 0	0 ± 0
268.22841				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2549.4 ± 8831.3	0 ± 0
388.23155				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9112.8 ± 31567.8
366.9636				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1448.7 ± 5018.6	0 ± 0
356.02862				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9046.3 ± 31337.2
638.91587				0 ± 0	0 ± 0	0 ± 0	0 ± 0	5698.5 ± 19740.2	0 ± 0
375.02034				0 ± 0	0 ± 0	0 ± 0	1757.4 ± 6087.9	0 ± 0	0 ± 0
264.13125				0 ± 0	1398.6 ± 4845	0 ± 0	0 ± 0	0 ± 0	0 ± 0
463.21777				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1807.5 ± 6261.2
508.99352				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3579.3 ± 12399.1
277.98216				0 ± 0	916 ± 3173.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
473.03142				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8786.1 ± 30435.9
321.09648				0 ± 0	0 ± 0	8734.6 ± 30257.7	0 ± 0	0 ± 0	0 ± 0
568.85834				0 ± 0	0 ± 0	0 ± 0	0 ± 0	4817.4 ± 16687.9	0 ± 0
314.02255				0 ± 0	0 ± 0	3294.5 ± 11412.6	0 ± 0	0 ± 0	0 ± 0
220.10389	N.omega.-Nitro-L-arg	C6H13N5O4		0 ± 0	0 ± 0	0 ± 0	0 ± 0	1772.3 ± 6139.4	0 ± 0
291.09896				0 ± 0	0 ± 0	8710.5 ± 20634	0 ± 0	0 ± 0	0 ± 0
270.05644				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1185.9 ± 4108.1
262.07762				0 ± 0	0 ± 0	8624.8 ± 16242.3	0 ± 0	0 ± 0	0 ± 0
654.88472				0 ± 0	0 ± 0	0 ± 0	0 ± 0	5980.6 ± 20717.4	0 ± 0
228.30295				0 ± 0	0 ± 0	0 ± 0	1447.8 ± 5015.2	0 ± 0	0 ± 0
563.2378				0 ± 0	0 ± 0	0 ± 0	0 ± 0	8408.6 ± 29128.1	0 ± 0
592.77959				0 ± 0	0 ± 0	0 ± 0	0 ± 0	5577.8 ± 19322.2	0 ± 0
311.99942				0 ± 0	0 ± 0	4135.1 ± 9861.7	0 ± 0	0 ± 0	0 ± 0
455.12515				0 ± 0	0 ± 0	8361.6 ± 28965.6	0 ± 0	0 ± 0	0 ± 0
284.35177				0 ± 0	1764.1 ± 6111	0 ± 0	0 ± 0	0 ± 0	0 ± 0
387.1635				0 ± 0	8336.5 ± 28878.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
495.87056				0 ± 0	0 ± 0	0 ± 0	0 ± 0	8176.6 ± 28324.6	0 ± 0
405.02302				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3354.8 ± 11621.5
80.04966	Pyridine	C5H5N		0 ± 0	0 ± 0	0 ± 0	3072.5 ± 5723.6	0 ± 0	0 ± 0
332.88805				0 ± 0	0 ± 0	0 ± 0	0 ± 0	8031.8 ± 27823.1	0 ± 0
241.09833	ethyl 9H-pyrido[3,4-b]	C14H12N2O2	Human exposome	0 ± 0	0 ± 0	853.3 ± 2955.8	0 ± 0	0 ± 0	0 ± 0
162.06391				0 ± 0	612.8 ± 2122.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
494.80972				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1604.8 ± 5559.3	0 ± 0
463.20332				0 ± 0	0 ± 0	0 ± 0	0 ± 0	7915.7 ± 27420.8	0 ± 0
230.94536				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3608.4 ± 12499.7	0 ± 0
321.07644	L-Phenylalanine, 4-(b	C13H18Cl2N2O3		0 ± 0	0 ± 0	6222.6 ± 15348.8	0 ± 0	0 ± 0	0 ± 0
505.33446				0 ± 0	0 ± 0	7864.1 ± 27241.9	0 ± 0	0 ± 0	0 ± 0
410.27271				0 ± 0	0 ± 0	7861.3 ± 27232.5	0 ± 0	0 ± 0	0 ± 0
457.05309				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2900.1 ± 10046.2
485.06725				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7363.8 ± 13863.4
235.94599				0 ± 0	0 ± 0	3230.4 ± 7670.8	0 ± 0	0 ± 0	0 ± 0
654.23801				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7719.9 ± 26742.4
248.0993				0 ± 0	0 ± 0	5315 ± 18411.6	0 ± 0	0 ± 0	0 ± 0
397.07687				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7602.1 ± 26334.4
312.1216				0 ± 0	0 ± 0	6628.9 ± 22963	0 ± 0	0 ± 0	0 ± 0
170.07513	4,5,6,7-Tetrahydro-1,3	C7H11N3S		0 ± 0	0 ± 0	0 ± 0	0 ± 0	1067.4 ± 3697.6	0 ± 0
147.11323	L-Lysine	C6H14N2O2	Bacterial origin	0 ± 0	0 ± 0	2840.3 ± 5186.3	0 ± 0	0 ± 0	0 ± 0
406.96267				0 ± 0	0 ± 0	5435.6 ± 18829.5	0 ± 0	0 ± 0	0 ± 0
353.13219				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7335.8 ± 25412.1
548.89584				0 ± 0	0 ± 0	0 ± 0	0 ± 0	7298 ± 25280.9	0 ± 0
262.07333	N-{4-Chlorophenyl}-N'	C13H12ClN3O		0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1520 ± 5265.4
209.09056				0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	743 ± 2573.9

158.06998					0 ± 0	616.5 ± 2135.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
550.96155					0 ± 0	0 ± 0	0 ± 0	6978.5 ± 24174.4	0 ± 0	0 ± 0
491.99321					0 ± 0	1638.2 ± 5674.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
229.00662					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6897.4 ± 19299.5
503.28974					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6896.5 ± 23890.2
488.19254					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6780.6 ± 23488.7
561.9872					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6760.1 ± 23417.8
427.18049					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6756.6 ± 23405.4
340.98263					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4583.9 ± 15879.1	0 ± 0
246.07591					0 ± 0	0 ± 0	0 ± 0	4060.5 ± 10182.9	0 ± 0	0 ± 0
248.06118	4-Chloro-6-[3-Methox	C9H14ClN3O5			0 ± 0	1249.5 ± 4328.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
479.89686					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1824.2 ± 6319.2	0 ± 0
248.062	4-Chloro-6-[3-Methox	C9H14ClN3O5			0 ± 0	0 ± 0	0 ± 0	0 ± 0	1196.7 ± 4145.6	0 ± 0
309.02388					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2267.2 ± 7853.8	0 ± 0
224.01304	1,3,4-Oxadiazole-2-th	C8H5N3O3S			0 ± 0	0 ± 0	6562.8 ± 22734.3	0 ± 0	0 ± 0	0 ± 0
479.2035					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6552 ± 22696.9
576.92455					0 ± 0	0 ± 0	2153 ± 7458.4	0 ± 0	0 ± 0	0 ± 0
514.95433					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6522.4 ± 22594.4
411.1965					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6493.8 ± 22495.1
190.9121					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4829.1 ± 16728.6	0 ± 0
293.09191					0 ± 0	0 ± 0	5695 ± 19728.2	0 ± 0	0 ± 0	0 ± 0
432.29849					0 ± 0	0 ± 0	0 ± 0	6383.7 ± 22113.8	0 ± 0	0 ± 0
224.08748					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2155.2 ± 7465.9
405.2823					0 ± 0	0 ± 0	2535.7 ± 8783.9	0 ± 0	0 ± 0	0 ± 0
396.95173					0 ± 0	0 ± 0	0 ± 0	0 ± 0	6334.3 ± 21942.5	0 ± 0
376.932					0 ± 0	0 ± 0	1397.7 ± 4841.8	0 ± 0	0 ± 0	0 ± 0
313.10283					0 ± 0	3316 ± 11487	0 ± 0	0 ± 0	0 ± 0	0 ± 0
219.08243					0 ± 0	0 ± 0	4150.5 ± 7691.9	0 ± 0	0 ± 0	0 ± 0
229.93586					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1611.6 ± 5582.9	0 ± 0
235.94598					0 ± 0	0 ± 0	2393 ± 8289.7	0 ± 0	0 ± 0	0 ± 0
457.01603					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6128.9 ± 21231.3
407.41078					0 ± 0	1580.6 ± 5475.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
184.20553					0 ± 0	1148.7 ± 3979.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
218.21224					0 ± 0	0 ± 0	0 ± 0	1200.1 ± 4157.4	0 ± 0	0 ± 0
419.34279					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5986 ± 20736.2
317.25199	2-mercapto-octadeca	C18H36O2S			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5981.6 ± 14050.2
539.31637					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5966.1 ± 20667.3
401.93104					0 ± 0	2921 ± 10118.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
307.04447					0 ± 0	0 ± 0	5885.8 ± 20389	0 ± 0	0 ± 0	0 ± 0
297.22894					0 ± 0	5846.3 ± 20252.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
415.24442					0 ± 0	0 ± 0	0 ± 0	0 ± 0	5819.8 ± 20160.4	0 ± 0
335.96612					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5235.2 ± 18135.3
304.26992					0 ± 0	1965.2 ± 6807.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
226.0574					0 ± 0	1737.5 ± 6019	0 ± 0	0 ± 0	0 ± 0	0 ± 0
421.00667					0 ± 0	0 ± 0	0 ± 0	5796.2 ± 20078.8	0 ± 0	0 ± 0
249.06059					0 ± 0	0 ± 0	5904.2 ± 20452.9	0 ± 0	0 ± 0	0 ± 0
255.08437					0 ± 0	1645.2 ± 5699.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
663.2338					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5688.8 ± 19706.7
552.23706					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5639.4 ± 19535.4
328.93631					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5617.2 ± 13913.6
313.3365					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2608.8 ± 9037.1
486.99173					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5581.9 ± 19336.3
384.94492					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1098.7 ± 3805.9
419.01614					0 ± 0	0 ± 0	5556.9 ± 19249.7	0 ± 0	0 ± 0	0 ± 0
318.3142					0 ± 0	2938 ± 6965.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
666.24429					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2330.2 ± 8072.2
313.05243					0 ± 0	5519.4 ± 19119.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
413.16028	Dihydroamorphigenin	C23H24O7			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5516.7 ± 19110.2
251.221					0 ± 0	0 ± 0	2907.9 ± 6793	0 ± 0	0 ± 0	0 ± 0
582.98572					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5473.6 ± 18961.2
509.23682					0 ± 0	5467.1 ± 18938.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
203.03589					0 ± 0	0 ± 0	3963.3 ± 13729.2	0 ± 0	0 ± 0	0 ± 0
563.38599	Rhodoxanthin	C40H50O2			0 ± 0	0 ± 0	5440.5 ± 18846.6	0 ± 0	0 ± 0	0 ± 0
412.31574					0 ± 0	3647.9 ± 12636.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
318.34839					0 ± 0	0 ± 0	1923 ± 6661.3	0 ± 0	0 ± 0	0 ± 0
289.09251					0 ± 0	0 ± 0	3555.8 ± 12317.5	0 ± 0	0 ± 0	0 ± 0
228.07344	4-Hydrazino-8-(trifluo	C10H8F3N3			0 ± 0	0 ± 0	4379.5 ± 15171.2	0 ± 0	0 ± 0	0 ± 0
403.03844					0 ± 0	2393.2 ± 8290.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
347.10584					0 ± 0	0 ± 0	5296.2 ± 18346.4	0 ± 0	0 ± 0	0 ± 0
663.2601					0 ± 0	0 ± 0	5285.8 ± 18310.7	0 ± 0	0 ± 0	0 ± 0
275.14562					0 ± 0	0 ± 0	0 ± 0	2926.5 ± 7045	0 ± 0	0 ± 0
235.94777					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	869.5 ± 3012.2
353.13655					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	5113.7 ± 17714.5
308.23699					0 ± 0	0 ± 0	5079.2 ± 17594.8	0 ± 0	0 ± 0	0 ± 0
200.0921	N-(3-oxo-pentanoyl)-H	C9H13NO4		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	2088 ± 7233	0 ± 0	0 ± 0
252.26721					0 ± 0	377.3 ± 1307.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
524.08285					0 ± 0	0 ± 0	0 ± 0	5031.4 ± 17429.2	0 ± 0	0 ± 0
359.26385	Val-Leu-Lys	C17H34N4O4		Bacterial origin	0 ± 0	0 ± 0	3437 ± 11906	0 ± 0	0 ± 0	0 ± 0
224.10197	4-Methyl-2-(4-morpholinyl)-5-pyrimidinecarboxylic acid				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1237.9 ± 4288.4	0 ± 0
491.09079	Calcium Gluceptate	C14H26CaO16			0 ± 0	0 ± 0	4996.9 ± 17309.9	0 ± 0	0 ± 0	0 ± 0
302.23192					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3343.2 ± 11581.1	0 ± 0
490.94643					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4981.5 ± 17256.3	0 ± 0
642.24928	2-[[[E]-but-2-enoyl]-1-	C34H40ClNO9		Human exposome	0 ± 0	1705.8 ± 5909.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
183.09502	4-Cyclohexyl-1,3-thiaz	C9H14N2S			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	688.7 ± 2385.9
141.08995					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1628.3 ± 5640.4	0 ± 0
593.22564	Nigribactin	C30H32N4O9		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3090.6 ± 10706.3	0 ± 0
279.23086					0 ± 0	0 ± 0	4874.1 ± 8850.9	0 ± 0	0 ± 0	0 ± 0
403.30137					0 ± 0	0 ± 0	2338.1 ± 5580.6	0 ± 0	0 ± 0	0 ± 0
389.01208	1-Benzyl-6-(hydroxym	C14H16N2O3S4		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1718.3 ± 5952.2
454.19389					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4764.7 ± 16505.6
427.02035					0 ± 0	0 ± 0	3826.8 ± 13256.3	0 ± 0	0 ± 0	0 ± 0
463.02633					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4718.5 ± 16345.2
284.08969					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2767.9 ± 9588.4
491.15736					0 ± 0	0 ± 0	0 ± 0	0 ± 0	836.6 ± 2898.2	0 ± 0
621.41955	LMSL05000004	C32H60O11			0 ± 0	0 ± 0	4681.5 ± 16217.4	0 ± 0	0 ± 0	0 ± 0
412.18712					0 ± 0	0 ± 0	4634.2 ± 10823.6	0 ± 0	0 ± 0	0 ± 0
319.02201					0 ± 0	0 ± 0	1157.2 ± 4008.8	0 ± 0	0 ± 0	0 ± 0
280.03316					0 ± 0	4617 ± 15993.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
248.10058					0 ± 0	0 ± 0	2259.1 ± 7825.7	0 ± 0	0 ± 0	0 ± 0
163.11952					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2083.8 ± 7218.5	0 ± 0
505.9611					0 ± 0	4529.9 ± 15692.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
268.90062					0 ± 0	0 ± 0	1333.1 ± 4618	0 ± 0	0 ± 0	0 ± 0
331.0043					0 ± 0	0 ± 0	3343.8 ± 11583.3	0 ± 0	0 ± 0	0 ± 0
281.97719					0 ± 0	0 ± 0	1291.9 ± 4475.4	0 ± 0	0 ± 0	0 ± 0
489.98038					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4456.6 ± 15438
327.35429					0 ± 0	0 ± 0	4424 ± 10426.8	0 ± 0	0 ± 0	0 ± 0
334.17499					0 ± 0	0 ± 0	0 ± 0	4391.4 ± 15212.2	0 ± 0	0 ± 0
348.31189					0 ± 0	4372.7 ± 15147.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
313.9249					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1551.5 ± 5374.7	0 ± 0
626.96013					0 ± 0	4336.7 ± 15022.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
482.06287					0 ± 0	4335.8 ± 15019.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0

220.97873					0 ± 0	0 ± 0	1769 ± 6128.1	0 ± 0	0 ± 0	0 ± 0
412.30511					0 ± 0	2423 ± 8393.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
221.95782					0 ± 0	0 ± 0	4312.5 ± 6483.6	0 ± 0	0 ± 0	0 ± 0
214.04739	N-lactoyl ethanolamin	C5H12NO6P		Human exposome	0 ± 0	2674.6 ± 6269.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
330.9644					0 ± 0	2061.5 ± 7141.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
499.91925					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2048.1 ± 7094.9
360.10051					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4242 ± 14694.8	0 ± 0
590.03033					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4201 ± 14552.6	0 ± 0
217.05404					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1383.6 ± 4793	0 ± 0
382.06445					0 ± 0	4168.6 ± 14440.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
447.16736					0 ± 0	0 ± 0	0 ± 0	0 ± 0	4081.6 ± 14139	0 ± 0
462.9561					0 ± 0	0 ± 0	0 ± 0	0 ± 0	584 ± 2023	0 ± 0
267.07293	1-(4-Chlorophenyl)-4-	C13H15ClN2S		Bacterial origin	0 ± 0	0 ± 0	4070.6 ± 14101	0 ± 0	0 ± 0	0 ± 0
759.23541	Chalconaringenin 2'-O	C33H42O20			0 ± 0	0 ± 0	0 ± 0	0 ± 0	4067.7 ± 14090.8	0 ± 0
263.25227					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1207 ± 4181.2
417.95225					0 ± 0	4052.3 ± 14037.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
348.03487					0 ± 0	0 ± 0	1423.1 ± 4929.9	0 ± 0	0 ± 0	0 ± 0
542.04065					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3974.7 ± 13768.7	0 ± 0
232.02467					0 ± 0	0 ± 0	1114.9 ± 3862	0 ± 0	0 ± 0	0 ± 0
355.97692					0 ± 0	3920.1 ± 13579.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
402.89785					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3807.2 ± 13188.7	0 ± 0
371.94461					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3738 ± 12948.8	0 ± 0
240.2875					0 ± 0	0 ± 0	3736.8 ± 8809.9	0 ± 0	0 ± 0	0 ± 0
313.97194					0 ± 0	0 ± 0	3724.9 ± 12903.6	0 ± 0	0 ± 0	0 ± 0
262.07685					0 ± 0	0 ± 0	2710.3 ± 9388.6	0 ± 0	0 ± 0	0 ± 0
311.02152					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3555 ± 12315.1
321.07916					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2012.7 ± 6972.2	0 ± 0
311.24403					0 ± 0	3623.4 ± 12551.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
414.01756					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2791.9 ± 9671.5	0 ± 0
271.0861					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3620.5 ± 12541.7	0 ± 0
529.21666	Camsirubicin	C27H32N2O9		Human exposome	0 ± 0	0 ± 0	3607.9 ± 12498.1	0 ± 0	0 ± 0	0 ± 0
322.29541					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3589.1 ± 8389
196.19535					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3578.5 ± 12396.2	0 ± 0
560.3844	(6R)-vitamin D3 6,19-	C35H49N3O3		Human exposome	0 ± 0	0 ± 0	3571.2 ± 12371.1	0 ± 0	0 ± 0	0 ± 0
587.91826					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3550.6 ± 12299.7	0 ± 0
365.33924					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3547.9 ± 12290.3	0 ± 0
491.16508					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3510.4 ± 12160.5
187.06107					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1247.7 ± 4322.1
300.09594					0 ± 0	0 ± 0	0 ± 0	3472.8 ± 12030	0 ± 0	0 ± 0
135.00321					0 ± 0	0 ± 0	1244.4 ± 4310.7	0 ± 0	0 ± 0	0 ± 0
525.24249					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3400.3 ± 11778.9
425.12606					0 ± 0	0 ± 0	1512.8 ± 5240.4	0 ± 0	0 ± 0	0 ± 0
218.05414	N-(2-Bromo-2-propen)	C9H16BrN			0 ± 0	695.3 ± 2408.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
171.08448					0 ± 0	0 ± 0	0 ± 0	821.1 ± 2844.4	0 ± 0	0 ± 0
518.87783					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3307.1 ± 11456
421.19616					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3304.2 ± 11446.1	0 ± 0
648.25484					0 ± 0	0 ± 0	1867.6 ± 6469.4	0 ± 0	0 ± 0	0 ± 0
268.11264					0 ± 0	0 ± 0	0 ± 0	2122 ± 7350.7	0 ± 0	0 ± 0
374.02378					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3240.8 ± 11226.4
320.25373					0 ± 0	3222.9 ± 11164.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
343.9644	4-Chloro-2-[(2,4-dichl	C14H8Cl3NO3		Human exposome/sec	0 ± 0	0 ± 0	3221.4 ± 11159.2	0 ± 0	0 ± 0	0 ± 0
254.28381					0 ± 0	1104.2 ± 3825.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
443.41576					0 ± 0	0 ± 0	3208.2 ± 11113.4	0 ± 0	0 ± 0	0 ± 0
407.04022					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3193.1 ± 11061.4
430.89287					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3177.1 ± 11005.9	0 ± 0
435.37149					0 ± 0	3165.9 ± 10966.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
332.88754					0 ± 0	3156.9 ± 10935.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
615.00954					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3118.2 ± 10801.9
238.06339	4-Methylbenzyl 1H-1,2	C10H11N3O2S			0 ± 0	0 ± 0	0 ± 0	2000.4 ± 6929.5	0 ± 0	0 ± 0
353.95376	N-[(2-Bromophenyl)id	C14H9BrClNO3			0 ± 0	0 ± 0	3109.5 ± 10771.6	0 ± 0	0 ± 0	0 ± 0
492.07204					0 ± 0	0 ± 0	0 ± 0	3107 ± 10763.1	0 ± 0	0 ± 0
668.89611					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3066.8 ± 10623.6	0 ± 0
314.07477					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3056.5 ± 10588
181.95371					0 ± 0	0 ± 0	3010.1 ± 7030.6	0 ± 0	0 ± 0	0 ± 0
312.32545					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3009.6 ± 10425.5	0 ± 0
406.1365					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3006.9 ± 7273.4
219.07818					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2163.9 ± 7495.9	0 ± 0
281.97884					0 ± 0	2884.6 ± 9992.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
534.0031					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1818.8 ± 6300.4
272.92994					0 ± 0	0 ± 0	3162 ± 7515.4	0 ± 0	0 ± 0	0 ± 0
610.33388					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2954.7 ± 10235.3
392.97683					0 ± 0	0 ± 0	1600 ± 5542.7	0 ± 0	0 ± 0	0 ± 0
561.39683					0 ± 0	0 ± 0	2915 ± 10097.7	0 ± 0	0 ± 0	0 ± 0
410.85638					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2883.5 ± 9988.7
574.23367					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2875.2 ± 9959.9
363.12512					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2854 ± 9886.6
239.07872					0 ± 0	0 ± 0	0 ± 0	0 ± 0	956.7 ± 3314.1	0 ± 0
261.9953					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2830.6 ± 9805.4	0 ± 0
351.11991	(Z)-N-(3-allyl-5-tert-b	C17H22N2O2S2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1666.8 ± 5773.9
172.07078					0 ± 0	2829.3 ± 6666.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
283.28208					0 ± 0	0 ± 0	2799.9 ± 9699.3	0 ± 0	0 ± 0	0 ± 0
460.43395					0 ± 0	2773.2 ± 9606.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
545.92492					0 ± 0	0 ± 0	2761.9 ± 9567.4	0 ± 0	0 ± 0	0 ± 0
453.19326	ambiguine O isonitrile	C26H29ClN2O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2751.6 ± 9531.7	0 ± 0
600.94441					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2747.7 ± 9518.2
321.34253					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2722.2 ± 9429.9
265.24404					0 ± 0	2719.1 ± 9419.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
452.52657					0 ± 0	0 ± 0	2702.5 ± 9361.9	0 ± 0	0 ± 0	0 ± 0
684.86311					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2694.1 ± 9332.7	0 ± 0
130.07219					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1367.1 ± 4735.7
362.0025					0 ± 0	2688.2 ± 9312.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
337.10229					0 ± 0	0 ± 0	2670.8 ± 9251.8	0 ± 0	0 ± 0	0 ± 0
388.29655					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2666.9 ± 9238.5
403.11092					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2666 ± 9235.4	0 ± 0
391.34214					0 ± 0	0 ± 0	2655.9 ± 9200.2	0 ± 0	0 ± 0	0 ± 0
558.96322					0 ± 0	0 ± 0	2635.4 ± 9129.2	0 ± 0	0 ± 0	0 ± 0
506.05322					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2614.6 ± 9057.3
496.98476					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2577.6 ± 8929.2	0 ± 0
137.01904					0 ± 0	0 ± 0	836.6 ± 2898	0 ± 0	0 ± 0	0 ± 0
338.955					0 ± 0	0 ± 0	2574.1 ± 8917	0 ± 0	0 ± 0	0 ± 0
333.9619	5-Bromo-2-(4-chlorop	C15H9BrClNO		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2571.5 ± 8907.9
506.03289					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2568.1 ± 8896.3	0 ± 0
479.88494					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2465.7 ± 8541.3
459.32523					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2553.4 ± 8845.2
254.32407					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	961.6 ± 3330.9
246.02625					0 ± 0	0 ± 0	984.7 ± 3411.1	0 ± 0	0 ± 0	0 ± 0
469.44913					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2522.6 ± 8738.4	0 ± 0
203.01635					0 ± 0	0 ± 0	0 ± 0	0 ± 0	822.5 ± 2849.3	0 ± 0
384.01264					0 ± 0	982.1 ± 3402.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
438.12282					0 ± 0	2481.2 ± 8595.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
324.98902					0 ± 0	0 ± 0	2472.4 ± 8564.7	0 ± 0	0 ± 0	0 ± 0

279.26789	6Z-9Z-Nonadecadien-3	C19H34O			0 ± 0	0 ± 0	0 ± 0	0 ± 0	1522.6 ± 5274.3	0 ± 0
376.89091					0 ± 0	1521.3 ± 5269.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
182.07441	N-Benzylhydrazinecar	C8H11N3S			0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1501 ± 5199.5
666.23252					0 ± 0	1496.8 ± 5185	0 ± 0	0 ± 0	0 ± 0	0 ± 0
468.914					0 ± 0	1488.9 ± 5157.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
299.03047					0 ± 0	0 ± 0	1476.9 ± 5116.1	0 ± 0	0 ± 0	0 ± 0
417.37083	gamma,beta-Tocophe	C28H48O2			0 ± 0	1466.2 ± 5079.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
263.97105					0 ± 0	0 ± 0	1452.4 ± 5031.2	0 ± 0	0 ± 0	0 ± 0
472.47459					0 ± 0	0 ± 0	0 ± 0	1447.1 ± 5013	0 ± 0	0 ± 0
492.3496					0 ± 0	1434.8 ± 4970.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
232.21936					0 ± 0	0 ± 0	1420.5 ± 4920.8	0 ± 0	0 ± 0	0 ± 0
210.0369					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1418.1 ± 4912.3	0 ± 0
401.27599					0 ± 0	0 ± 0	0 ± 0	1418 ± 4912	0 ± 0	0 ± 0
619.40435	Exophilin A2	C32H58O11			0 ± 0	0 ± 0	1394.8 ± 4831.6	0 ± 0	0 ± 0	0 ± 0
263.97272					0 ± 0	0 ± 0	1361.4 ± 4716.1	0 ± 0	0 ± 0	0 ± 0
416.37269					0 ± 0	0 ± 0	0 ± 0	1352.1 ± 4683.7	0 ± 0	0 ± 0
183.19924					0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1351.4 ± 4681.3
296.30477					0 ± 0	1329.7 ± 4606.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
200.04784	4-Chloro-N-(2-hydroxy	C9H10ClNO2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	1327.3 ± 4597.9	0 ± 0
271.0257					0 ± 0	0 ± 0	1324.9 ± 4589.7	0 ± 0	0 ± 0	0 ± 0
328.9365					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1323.5 ± 4584.7	0 ± 0
573.9313					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1285.3 ± 4452.5	0 ± 0
690.86994					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1271.5 ± 4404.6	0 ± 0
509.39075					0 ± 0	0 ± 0	0 ± 0	1202.3 ± 4164.8	0 ± 0	0 ± 0
329.25691					0 ± 0	0 ± 0	1201.9 ± 4163.3	0 ± 0	0 ± 0	0 ± 0
217.05564					0 ± 0	0 ± 0	779.9 ± 2701.7	0 ± 0	0 ± 0	0 ± 0
485.34538	LMST01010327	C27H48O7			0 ± 0	0 ± 0	1183.1 ± 4098.5	0 ± 0	0 ± 0	0 ± 0
404.94509					0 ± 0	0 ± 0	1181 ± 4091.1	0 ± 0	0 ± 0	0 ± 0
310.00365					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1147.4 ± 3974.7	0 ± 0
295.30069					0 ± 0	1146.6 ± 3971.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
210.91479					0 ± 0	1144.2 ± 3963.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
202.9952					0 ± 0	1140.6 ± 3951.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
130.06521					0 ± 0	1134.9 ± 3931.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
152.03207					0 ± 0	1130.1 ± 3914.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
542.00555					0 ± 0	0 ± 0	1116 ± 3866.1	0 ± 0	0 ± 0	0 ± 0
463.03403					0 ± 0	0 ± 0	1107.4 ± 3836.1	0 ± 0	0 ± 0	0 ± 0
430.3527					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1071.5 ± 3711.7	0 ± 0
277.20119	Methyl 2,3,5-trihydrox	C14H28O5	Human exposome		0 ± 0	0 ± 0	1064.9 ± 3688.8	0 ± 0	0 ± 0	0 ± 0
203.07808					0 ± 0	0 ± 0	0 ± 0	1061 ± 3675.5	0 ± 0	0 ± 0
276.87796					0 ± 0	0 ± 0	1042.3 ± 3610.7	0 ± 0	0 ± 0	0 ± 0
409.4249					0 ± 0	966.2 ± 3347.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
144.07995					0 ± 0	0 ± 0	0 ± 0	963.4 ± 3337.3	0 ± 0	0 ± 0
153.07278					0 ± 0	0 ± 0	0 ± 0	0 ± 0	930.9 ± 3224.9	0 ± 0
235.91091	5-Bromo-4-chloro-2-p	C6H3BrClNO2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	919.4 ± 3184.9	0 ± 0
362.30803					0 ± 0	919.2 ± 3184.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
130.06531					0 ± 0	0 ± 0	902.5 ± 3126.4	0 ± 0	0 ± 0	0 ± 0
254.10088					0 ± 0	0 ± 0	0 ± 0	0 ± 0	900.4 ± 3119.2	0 ± 0
707.22923					0 ± 0	876.1 ± 3035	0 ± 0	0 ± 0	0 ± 0	0 ± 0
428.88159					0 ± 0	0 ± 0	871.3 ± 3018.2	0 ± 0	0 ± 0	0 ± 0
154.02593	4-chloro-L-threonine	C4H8ClNO3	Human exposome		0 ± 0	0 ± 0	0 ± 0	0 ± 0	863.6 ± 2991.7	0 ± 0
236.24353					0 ± 0	0 ± 0	862.3 ± 2987.1	0 ± 0	0 ± 0	0 ± 0
189.05552					0 ± 0	0 ± 0	0 ± 0	0 ± 0	858.3 ± 2973.4	0 ± 0
227.25783					0 ± 0	814.6 ± 2821.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
178.04987					0 ± 0	799.5 ± 2769.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
154.02603					0 ± 0	0 ± 0	765.8 ± 2652.8	0 ± 0	0 ± 0	0 ± 0
402.97625					0 ± 0	0 ± 0	743.2 ± 2574.7	0 ± 0	0 ± 0	0 ± 0
180.99862					0 ± 0	0 ± 0	727.5 ± 2520.1	0 ± 0	0 ± 0	0 ± 0
252.80605					0 ± 0	0 ± 0	0 ± 0	0 ± 0	605.6 ± 2097.7	0 ± 0
168.06628	Pyridoxal	C8H9NO3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	593.8 ± 2057.1	0 ± 0
157.07435					0 ± 0	0 ± 0	0 ± 0	0 ± 0	580.9 ± 2012.1	0 ± 0
376.93191					0 ± 0	0 ± 0	472.6 ± 1637.2	0 ± 0	0 ± 0	0 ± 0
186.07738	5-Amino-1-(2-pyridiny	C9H7N5	unknown		1007.4 ± 3489.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
454.1715					10071.3 ± 34887.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
454.13336					10142.2 ± 35133.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
575.27516					10365.5 ± 35907.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
271.20706					10378.2 ± 35951.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
265.089					1040.4 ± 3603.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
369.16666					10466.7 ± 36257.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
345.15369					106700.6 ± 113872.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
185.08195					1075.3 ± 3725.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
189.01741	1,2,3,4-Naphthalenet	C10H4O4	Human exposome		1077.1 ± 3731.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
380.15243	(7R)-2-Amino-7-[4-flu	C20H18FN5O2	Human exposome		108522 ± 136982.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
234.12235	Isouron	C10H17N3O2			10905.9 ± 37779.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
269.16739	N-Cyclohexyl-2-(cyclo	C14H24N2O5			10982.7 ± 38045.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
472.05224					1103.8 ± 3823.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
308.15436					11049.5 ± 38276.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
192.06619	xi-2,3-Dihydro-2-oxo-1	C10H9NO3			1113.8 ± 3858.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
305.18591					11453.4 ± 39675.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
261.08928	5-chloroacremine A	C12H17ClO4	Human exposome		11465 ± 26813.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
280.14505					11528.4 ± 39935.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
404.15302					11660.4 ± 40392.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
274.11833	1,3-Dimethyl-5-(4-tol	C14H15N3O3			11757.5 ± 40729.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
282.22196					1183 ± 4098	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
209.12365					1199.9 ± 4156.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
302.23069					12061.8 ± 22172.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
451.30585	[(2R,3S,4S,5R,6S)-3,5-	C26H42O6	Human exposome		1212.4 ± 4199.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
167.12476					1253.4 ± 4341.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
234.07208					1262.1 ± 4372.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
240.08509					12828.3 ± 23797.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
344.33899					1290.6 ± 4470.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
266.14906					13213.7 ± 45773.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
393.23894					13238.6 ± 45859.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
448.0166					13333.9 ± 31243.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
454.95215					13368.4 ± 46309.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
103.03917					1337.1 ± 4631.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
271.99747	6,7-Dichloro-3-hydrox	C10H7Cl2N3O2			1341.4 ± 4646.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
188.06592	Hydroxymetronidazole	C6H9N3O4			13651.5 ± 10284	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
353.08532					13682.2 ± 47396.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
151.11247	(R)-Menthofuran	C10H14O	Human exposome		1384.8 ± 4797.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
230.07202					1397.3 ± 4840.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
291.1544					13973 ± 48404	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
202.09526					14032.7 ± 25582.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
342.98024					1418.9 ± 4915.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
181.1018					1432 ± 4960.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
359.3191					1451.9 ± 5029.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
336.14386	rel-(2R,3S)-2,3-Dihydr	C17H21NO6	Human exposome		14520 ± 50298.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
235.94586					1455.5 ± 5042.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
493.01383					1476.2 ± 5113.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
238.07392					1480.9 ± 5129.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
274.15048					14801.7 ± 51274.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
218.07614	2,4-Dihydro-4-[beta-D	C7H11N3O5	Human exposome		14804.2 ± 22075.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0

250.10348					14857.8 ± 34734.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
228.14461					14861.1 ± 34836.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
496.32787					1495.5 ± 5180.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
165.10175	N-Phenyl-β-alanine	C9H12N2O			1525.9 ± 5285.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
230.12138					15460.1 ± 12161.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
226.10872	6-Benzylaminopurine	C12H11N5			1553.6 ± 5381.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
262.09443					1564.2 ± 5418.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
224.0661	2-Hydroxy-4-(methoxy	C9H9N3O4		Human exposure	1576.5 ± 5461.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
242.10211					15859.2 ± 28991.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
329.15032	N,N'-Diacetyldianisidine	C18H20N2O4		Human exposure	15923.1 ± 55159.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
194.15625					1599.4 ± 5540.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
225.0854					1622.4 ± 5620.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
305.14846					16329 ± 56565.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
420.02605					1662.2 ± 5757.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
304.24434					16621.3 ± 38849.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
330.11529					166515.4 ± 236911.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
461.40912					1700.2 ± 5889.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
305.16518					17116.9 ± 59294.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
280.07891					1739 ± 6023.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
626.93222					1742 ± 6034.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
306.13412					17555.5 ± 60813.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
348.16404					17677.2 ± 61235.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
171.06013					1810.6 ± 6272.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
275.14486					18261.1 ± 63258.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
230.0455					1843.5 ± 6386	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
228.21417					1846.8 ± 6397.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
276.13162					18569.3 ± 43936	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
222.04925					1857.2 ± 6433.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
317.00343					1857.8 ± 6435.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
369.13404					18650.8 ± 44194.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
259.13968	Guadinomic acid	C10H18N4O4		Human exposure	1879.8 ± 6511.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
218.07685					1906.9 ± 6605.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
292.13848					19071.8 ± 66066.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
144.10185					1921.2 ± 4497.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
386.1682					1925.2 ± 6669	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
279.99874					1930 ± 6685.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
406.36837	NAE 24:3	C26H47NO2			1948.9 ± 6751.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
446.44076					1974.8 ± 6841.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
361.31505					1992.3 ± 6901.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
355.15663					20186.4 ± 69927.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
196.1352					2039.5 ± 7065	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
275.24781					20476.7 ± 20669.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
130.06528					2058.3 ± 4847.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
263.06977					2070 ± 7170.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
468.18563	4-Hydroxytamoxifen sodium salt	C26H29NO5S			20742.5 ± 52309.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
219.08865	1-(2-Chloroacetyl)-3-c	C9H15ClN2O2		Bacterial origin	2095.2 ± 7258	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
466.15326					21034.8 ± 72866.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
291.24408					2132.9 ± 7388.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
453.02165					21364.7 ± 74009.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
340.10063					2138.2 ± 7407	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
300.06552					2178.5 ± 7546.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
178.08018					2191.5 ± 5118.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
429.16928					22091 ± 41001.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
245.11308	Carbidopa	C10H16N2O5		Human exposure	2211.6 ± 7661.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
395.17309					22483.1 ± 77883.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
288.12914					225053.4 ± 333996.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
272.0665					2253.8 ± 7807.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
245.10655					22548.1 ± 78109.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
209.03908					2262.6 ± 5326.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
279.08432					2324.6 ± 8052.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
272.08471	1-(2-Chloro-6-fluorobenzyl)-2-methyl-2-imidazolidinone	C13H15ClFNO2		Bacterial origin	2401.9 ± 8320.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
408.95727					2444.5 ± 8467.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
351.1537					2486.1 ± 8612	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
254.09228					2493 ± 8635.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
410.03053					2494.5 ± 8641.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
402.16069	Methanone, [5-(2-chloro-6-fluorobenzyl)-2-methyl-2-imidazolidinone]	C26H24ClNO			25076.8 ± 86868.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
374.10498					25478.4 ± 60091.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
177.08942					2586.8 ± 8960.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
324.23956					2614.8 ± 9057.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
263.12894	Parthenin	C15H18O4			26524.1 ± 91882.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
155.09499					2689.3 ± 9315.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
267.25394					2703 ± 9363.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
262.17038					27162.2 ± 63938.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
279.1007	gamma-Glutamylmethionine	C10H18N2O5S			2722.2 ± 9430	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
377.0406					2737.8 ± 9484.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
267.1549					27768.2 ± 65803.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
415.15723					27779.2 ± 513317.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
319.26146					2815.8 ± 9754.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
270.296					2855.4 ± 9891.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
256.0071					2872.4 ± 9950.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
450.18539					28827.9 ± 99862.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
222.07637	Ethyl 4-nitrocinnamate	C11H11NO4		Human exposure	2919.6 ± 10113.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
519.97335					2935.3 ± 10168	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
261.18037	Carisoprodol	C12H24N2O4			29740 ± 54106.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
218.07822	2,4-Dihydro-4-(beta-D-glucopyranosyloxy)-2-methyl-2H-pyran	C7H11N3O5		Human exposure	2975.4 ± 10306.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
236.11468					2979.9 ± 10322.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
195.10156					29839.3 ± 103366.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
344.13913	N-Desmethyldanofloxacin	C18H18FN3O3			30435.7 ± 105432.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
360.13876					30508.7 ± 105685.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
355.26895					3051.2 ± 10569.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
420.1828	6-[[[6-Tert-Butyl-3-methyl-2-oxo-1,2,3,4-tetrahydropyrimidin-2-yl]amino]hexanoic acid	C22H29NO5S			30799.7 ± 106693.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
369.15649					31355 ± 57039.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
270.98441					3138.2 ± 10871	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
293.19924					31805.6 ± 69631.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
186.10679	5-Isopropyl-4-propyl-4H-pyran	C8H15N3S			3217.6 ± 11146	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
274.15074					32345.8 ± 83532.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
541.09459					3240.4 ± 11225	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
452.18212	Fenpropionate M-19	C24H25N3O6			329027.8 ± 177685.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
246.07672					3295.9 ± 11417.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
285.14812					33215.7 ± 60557.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
336.06602					33885.1 ± 79501.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
264.20663	Lisdexamfetamine	C15H25N3O			3403.3 ± 11789.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
376.27434					3448.1 ± 11944.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
239.07008	LMPK12110080	C15H10O3			3449.9 ± 8087.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
237.09462					3458.5 ± 11980.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
392.98788					3461.4 ± 11990.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
358.02106					3462.5 ± 11994.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
280.06861					3472.7 ± 12029.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
235.18038					34864.4 ± 65305.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
166.08981					3723.5 ± 8804.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
404.17188	Givatine	C21H25NO7		Human exposure	37825.6 ± 104169.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0

328.27634					3889.7 ± 9323.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
165.1239					3913.9 ± 13558.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
336.27972					4010.9 ± 13894.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
344.30824					4026.9 ± 9487.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
191.10352	Alanylthreonine	C7H14N2O4	Bacterial origin		4182.9 ± 14490.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
217.06069					4231.8 ± 14659.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
440.17404	Estramustine	C23H31Cl2NO3			43217.6 ± 102759.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
410.0409					4398.4 ± 15236.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
381.16288					4568.3 ± 15825.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
581.24276					4600.5 ± 15936.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
231.14893	Ibudilast	C14H18N2O			4713.9 ± 16329.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
608.98709	Iododithiobrevamide	C20H21N2O8S2	Human exposome		4738.1 ± 16413.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
314.22314					4757.4 ± 16480.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
245.09399					4836.3 ± 16753.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
347.16017	14,14,14-Trifluoro-11b	C16H27F3O2			48715.2 ± 123135.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
327.15198	Acepromazine	C19H22N2O5	Human exposome		48808.5 ± 88566.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
262.09413					4974.4 ± 11625	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
245.07916					5018.4 ± 17384.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
288.09893	Carajuron	C16H15O5			5161.9 ± 17881.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
269.12087					5226.7 ± 18105.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
205.08441					5356.9 ± 18556.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
232.05557					5421.1 ± 12679.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
287.10163					5528.8 ± 19152.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
287.19742					5557.7 ± 19252.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
237.14705					56886.9 ± 137805.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
166.08795					575.4 ± 1993.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
375.00171	Desmethyldichlorodia	C15H12Cl2O7	Human exposome		5772.8 ± 19997.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
130.0863					596.6 ± 2066.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
260.06996	N-(3-Chlorobenzyl)-9H	C12H10ClN5			6236.1 ± 14596.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
506.89848					6383.3 ± 22112.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
135.0923	4-Methylbenzenecarb	C8H10N2			639.2 ± 2214.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
557.05212					6416.1 ± 22226.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
218.13781					6631.5 ± 22972.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
325.25956					6665 ± 15607	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
586.05917					6720.8 ± 15804.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
409.23032					68363 ± 165085	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
431.02074					6864.7 ± 23779.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
322.05129					6938 ± 24033.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
286.22667					7011.7 ± 24289.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
141.06423					708.6 ± 2454.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
112.08608					710.4 ± 2460.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
414.13543					7132.3 ± 24707.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
277.22037					7184.2 ± 24886.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
500.19869					72103.5 ± 79147	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
351.12636					72658 ± 251694.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
224.11264	N-Acetyl-D-galactosar	C8H17NO6			744.5 ± 2579.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
209.03894	Quinoline-8-sulfonam	C9H8N2O2S			750 ± 2598.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
426.17671					75339.3 ± 83874.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
309.87848					763.4 ± 2644.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
218.13908	Propionylcarnitine	C10H19NO4			7702.9 ± 9682	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
273.18217					77147.1 ± 267245.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
235.10786					7764.1 ± 26895.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
350.08457					7767 ± 26905.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
328.14057					7840 ± 27158.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
269.14856	LB-100	C13H20N2O4	Human exposome		78729.9 ± 89937.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
207.09589					7899.3 ± 27363.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
450.97616					7965 ± 27591.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
192.17433	N-(2-Phenylethyl)-1-p	C13H21N			803.8 ± 2784.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
103.03923	2-Ketobutyric acid	C4H6O3	Bacterial origin		805.7 ± 2790.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
519.99391					8224.1 ± 28489.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
248.10231					8274.9 ± 19394.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
461.21497					82749.7 ± 88599.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
342.29223					8423.2 ± 13079.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
133.07589	1H-Indol-2-amine	C8H8N2			8452.4 ± 9394.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
159.10323					861.7 ± 2985.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
474.44153					868 ± 3007	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
199.08677	4-nitroso-N-phenylam	C12H10N2O	Human exposome		8811.3 ± 20588.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
385.97743					894.3 ± 3097.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
141.13879	1-(Cyclopropylmethyl)	C8H16N2	Human exposome		900 ± 3117.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
197.07562					906 ± 3138.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
288.24298					9135.3 ± 21429.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
284.12832					9173 ± 31776.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
251.13963	Heptabarbitol	C13H18N2O3	Human exposome		9221.6 ± 31944.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
321.12795					92862.9 ± 321686.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
204.06768					931.4 ± 3226.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
178.08638	5-Hydroxytryptophol	C10H11NO2			942.2 ± 3263.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
169.08981					955.8 ± 3311	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
337.14194					9644.6 ± 33410	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
227.1386	Pentobarbital	C11H18N2O3			969.4 ± 3358.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
267.13417	Threonylphenylalanine	C13H18N2O4			9701.2 ± 33606	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
390.98905	Thuwalallene C	C15H20Br2O2			972.3 ± 3368.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
202.04732					978.5 ± 3389.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
278.9375					987.8 ± 3421.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
265.08955					989.4 ± 3427.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
422.16437					99338.8 ± 125356	0 ± 0	0 ± 0	0 ± 0	0 ± 0	0 ± 0
255.16974					0 ± 0	0 ± 0	0 ± 0	0 ± 0	205259.1 ± 377876.6	90477.7 ± 313423.9
210.05233	Indoleacrylic acid	C11H9NO2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	1532421.7 ± 2881213.9	775969.6 ± 1838234.9
361.11284					0 ± 0	0 ± 0	0 ± 0	0 ± 0	25792.1 ± 89346.6	140904.5 ± 209214.8
241.13314	N-(3-Phenylpropyl)pyr	C15H16N2O	Human exposome		0 ± 0	0 ± 0	0 ± 0	4355.5 ± 15087.8	0 ± 0	8630.8 ± 29897.9
223.13139					0 ± 0	9497.4 ± 22216.4	7083.4 ± 12820.9	0 ± 0	0 ± 0	0 ± 0
401.10523	Mefloquine	C17H16F6N2O			0 ± 0	7466.9 ± 25866.1	0 ± 0	0 ± 0	8095.1 ± 28042.2	0 ± 0
225.09551					0 ± 0	11837.5 ± 27700.1	50374.1 ± 38318.2	0 ± 0	0 ± 0	0 ± 0
237.13496					0 ± 0	0 ± 0	4294.5 ± 14876.5	0 ± 0	2905.5 ± 10065	0 ± 0
248.2119					0 ± 0	0 ± 0	1451.9 ± 5029.5	11340.2 ± 17713.4	0 ± 0	0 ± 0
488.20969					0 ± 0	0 ± 0	86440.3 ± 203216.8	0 ± 0	0 ± 0	72786.8 ± 172831.7
238.13347					0 ± 0	6183.6 ± 21420.6	0 ± 0	0 ± 0	0 ± 0	342655.8 ± 628288.1
264.14787					0 ± 0	0 ± 0	0 ± 0	0 ± 0	45152.7 ± 112545.2	645841.6 ± 509971.4
291.08913					0 ± 0	0 ± 0	83015.5 ± 109934.9	0 ± 0	0 ± 0	70822.9 ± 92545.9
240.14996	Rac-Anatalline	C15H17N3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	6093.2 ± 21107.3	36380.5 ± 54591.8
224.10197	4-Methyl-2-(4-morpholinyl)-5-pyrimidinecarboxylic acid				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3916.1 ± 13563.8	2221.4 ± 7695.2
242.12507					0 ± 0	12500.1 ± 29233.9	4504.7 ± 10759.3	0 ± 0	0 ± 0	0 ± 0
239.11085	Thiotetromycin	C13H18O2S	Human exposome		0 ± 0	4431.7 ± 15351.8	4167.9 ± 14438	0 ± 0	0 ± 0	0 ± 0
436.18159					0 ± 0	0 ± 0	101492.2 ± 97014.2	0 ± 0	0 ± 0	51118.7 ± 82697.3
272.17053					0 ± 0	0 ± 0	11442.2 ± 20941.8	0 ± 0	13237.6 ± 45856.3	0 ± 0
462.23292					0 ± 0	0 ± 0	61038.9 ± 116061.4	0 ± 0	0 ± 0	26893.4 ± 48973
514.98317					0 ± 0	4648.6 ± 16103.1	0 ± 0	0 ± 0	0 ± 0	2747.3 ± 9516.8
552.2661					0 ± 0	41822.4 ± 144877.1	0 ± 0	42198.4 ± 76929.2	0 ± 0	0 ± 0
196.11469	N-(3-Thienylmethyl)cy	C11H17NS			0 ± 0	5299.6 ± 18358.5	0 ± 0	0 ± 0	3763.4 ± 13036.7	0 ± 0
212.07032					0 ± 0	0 ± 0	0 ± 0	8757.3 ± 30336.2	0 ± 0	73578.3 ± 110396.2
393.20217					0 ± 0	0 ± 0	0 ± 0	0 ± 0	84145.9 ± 158930.5	154378.3 ± 231360.1
261.13317					0 ± 0	7355.2 ± 25479.3	0 ± 0	0 ± 0	0 ± 0	4179 ± 14476.6

415.30607	ascr#29	C23H42O6		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	126023 ± 63621.3	7695.6 ± 18498.2	0 ± 0
279.12635	Pheniramine	C16H20N2			0 ± 0	0 ± 0	0 ± 0	0 ± 0	13186 ± 45677.7	4412.9 ± 15286.6
399.13509					0 ± 0	36026.4 ± 67131.5	0 ± 0	18139 ± 62835.5	0 ± 0	0 ± 0
247.09051					0 ± 0	6010.5 ± 20821	0 ± 0	0 ± 0	8105.9 ± 28079.8	0 ± 0
300.09402					0 ± 0	0 ± 0	0 ± 0	0 ± 0	8282.1 ± 28690.2	8981.3 ± 31112.1
271.15369	(1E)-3-[(2R,3R,4S)-4-H	C14H22O5		Human exposome	0 ± 0	10960.5 ± 37968.3	0 ± 0	0 ± 0	9899.6 ± 34293.4	0 ± 0
244.05403					0 ± 0	7953.8 ± 11923.4	0 ± 0	0 ± 0	1497.6 ± 5187.8	0 ± 0
246.10606					0 ± 0	0 ± 0	3961.9 ± 13724.3	0 ± 0	0 ± 0	8876.6 ± 22692.7
581.08333					0 ± 0	0 ± 0	6528 ± 22613.6	0 ± 0	0 ± 0	6485.1 ± 22465
284.02558					0 ± 0	0 ± 0	10437.3 ± 36155.9	0 ± 0	8596.7 ± 29779.8	0 ± 0
353.10558					0 ± 0	0 ± 0	0 ± 0	0 ± 0	80203.6 ± 277833.6	102173.6 ± 353939.8
245.07637					0 ± 0	5998.5 ± 20779.4	0 ± 0	0 ± 0	3016.6 ± 10449.8	0 ± 0
254.13527	Butyrylcarnitine	C11H21NO4			0 ± 0	0 ± 0	0 ± 0	5134 ± 17784.6	0 ± 0	5564.4 ± 12997.1
287.10135					0 ± 0	0 ± 0	4322.1 ± 14972.1	2945.7 ± 10204.2	0 ± 0	0 ± 0
241.08239					0 ± 0	0 ± 0	33874.9 ± 26963.1	0 ± 0	0 ± 0	11686.1 ± 21187.7
363.10501					0 ± 0	0 ± 0	0 ± 0	0 ± 0	12188.8 ± 42223.2	21085 ± 50436.5
282.14229					0 ± 0	6639.9 ± 23001.2	16736.5 ± 39438.1	0 ± 0	0 ± 0	0 ± 0
379.14274	Galactinol dihydrate	C12H26O13			0 ± 0	31417 ± 108831.5	0 ± 0	0 ± 0	0 ± 0	55590.3 ± 192570.5
386.04855					0 ± 0	0 ± 0	50873.5 ± 176231	0 ± 0	0 ± 0	69261.5 ± 239929
296.21065					0 ± 0	0 ± 0	0 ± 0	5947.9 ± 20604.1	0 ± 0	8160.3 ± 28268.2
254.0204					0 ± 0	0 ± 0	0 ± 0	2174.8 ± 7533.7	2955.6 ± 10238.6	0 ± 0
217.09169					0 ± 0	0 ± 0	0 ± 0	11115.8 ± 38506.3	19152.8 ± 45320.3	0 ± 0
198.10312					0 ± 0	0 ± 0	0 ± 0	0 ± 0	3920.9 ± 13582.5	12386.1 ± 29552.8
580.27184					0 ± 0	0 ± 0	31114 ± 72726.4	0 ± 0	0 ± 0	25514 ± 66204
241.0996					0 ± 0	1887.6 ± 6538.8	0 ± 0	0 ± 0	0 ± 0	2632.3 ± 9118.5
288.02889					0 ± 0	0 ± 0	8186.1 ± 19133.4	0 ± 0	2991.5 ± 10362.9	0 ± 0
225.09012					0 ± 0	0 ± 0	0 ± 0	3766.6 ± 13047.8	3390 ± 11743.2	0 ± 0
493.22522					0 ± 0	16246.5 ± 56279.5	0 ± 0	0 ± 0	26624 ± 92228.3	0 ± 0
324.14481					0 ± 0	0 ± 0	15154.7 ± 52497.4	0 ± 0	0 ± 0	43428.7 ± 78712.8
371.94121					0 ± 0	28573.7 ± 68273	0 ± 0	0 ± 0	15799.8 ± 54732.1	0 ± 0
162.09149	Tryptophanol	C10H11NO			0 ± 0	0 ± 0	0 ± 0	26822.5 ± 12562.3	5004.2 ± 11741.8	0 ± 0
452.9735					0 ± 0	21598.7 ± 51679.8	2958.7 ± 10249.2	0 ± 0	0 ± 0	0 ± 0
200.05988					0 ± 0	2633 ± 9120.9	0 ± 0	0 ± 0	1582 ± 5480.2	0 ± 0
659.23107	GE81112	C24H35ClN10O10		Human exposome	0 ± 0	4802.9 ± 16637.8	0 ± 0	0 ± 0	0 ± 0	6977.3 ± 24170.1
220.16669					0 ± 0	6990 ± 24214.2	0 ± 0	0 ± 0	0 ± 0	7255.5 ± 25133.7
358.00385					0 ± 0	0 ± 0	13194 ± 45705.2	0 ± 0	4263.6 ± 14769.7	0 ± 0
200.07528					0 ± 0	6434.4 ± 15030.6	0 ± 0	7874.1 ± 14675.6	0 ± 0	0 ± 0
410.47139					0 ± 0	3578.4 ± 8361.7	0 ± 0	0 ± 0	1186.1 ± 4108.7	0 ± 0
380.94202					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2653.5 ± 9192.1	3728.5 ± 12916
373.2697					0 ± 0	2196.4 ± 7608.5	6208.5 ± 14503.3	0 ± 0	0 ± 0	0 ± 0
447.44163					0 ± 0	0 ± 0	2892.3 ± 10019.3	2395.1 ± 8296.9	0 ± 0	0 ± 0
339.00403					0 ± 0	0 ± 0	4602.3 ± 15942.9	0 ± 0	0 ± 0	1870.9 ± 6480.9
361.91099					0 ± 0	0 ± 0	2047.3 ± 7092.2	0 ± 0	0 ± 0	1667.5 ± 5776.4
360.90223					0 ± 0	0 ± 0	3508 ± 12152.2	0 ± 0	0 ± 0	2392.7 ± 8288.6
591.97013					0 ± 0	2315 ± 8019.5	0 ± 0	0 ± 0	2036.2 ± 7053.6	0 ± 0
267.14735					0 ± 0	0 ± 0	9970 ± 34537.2	0 ± 0	8567.1 ± 29677.3	0 ± 0
265.08594	LMPK12120002	C17H12O3			0 ± 0	13638.4 ± 47244.8	0 ± 0	0 ± 0	11203.5 ± 38810	0 ± 0
259.08111					0 ± 0	2224.6 ± 7706.2	0 ± 0	0 ± 0	1305.2 ± 4521.3	0 ± 0
283.14084					0 ± 0	0 ± 0	0 ± 0	0 ± 0	247092.2 ± 227943.9	592971.1 ± 110930.9
271.10463	His-Asp	C10H14N4O5		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	6492.1 ± 15591.1	5370 ± 18602.4	0 ± 0
255.1294					0 ± 0	0 ± 0	0 ± 0	6810.3 ± 23591.7	12773.1 ± 44247.3	0 ± 0
317.1496	4-(4-(1H-Indol-3-yl)-3,	C18H16N6			0 ± 0	0 ± 0	0 ± 0	0 ± 0	142397.5 ± 493279.4	289559.5 ± 686343.2
317.14921					0 ± 0	0 ± 0	0 ± 0	0 ± 0	62815.4 ± 217598.8	121875.5 ± 422189.2
348.04877					0 ± 0	4565.8 ± 15816.5	4319.3 ± 14962.6	0 ± 0	0 ± 0	0 ± 0
337.11898	Benzobarbital	C19H16N2O4		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	274352.6 ± 182429.6	404010.4 ± 342253.1
323.15778					0 ± 0	5620.9 ± 19471.2	0 ± 0	29334.1 ± 44232.6	0 ± 0	0 ± 0
196.07613					0 ± 0	0 ± 0	0 ± 0	0 ± 0	2013.8 ± 6975.9	2835.1 ± 9821.1
393.18904					0 ± 0	14070.8 ± 48742.6	20755.7 ± 49851.5	0 ± 0	0 ± 0	0 ± 0
488.19121					0 ± 0	6548.7 ± 22685.5	0 ± 0	0 ± 0	0 ± 0	7231.5 ± 25050.6
390.01848					0 ± 0	21269.3 ± 73679.2	0 ± 0	0 ± 0	0 ± 0	23003.7 ± 79687.3
245.02774					0 ± 0	0 ± 0	2876.9 ± 9965.8	0 ± 0	0 ± 0	3359.9 ± 7861.2
279.16745					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1753.5 ± 6074.4	5645.3 ± 13279.1
188.06699					0 ± 0	0 ± 0	0 ± 0	0 ± 0	985.7 ± 3414.7	2309.5 ± 5407.5
250.08782	6-Fluoro-4-oxo-1-prop	C13H12FNO3			0 ± 0	0 ± 0	0 ± 0	0 ± 0	4347.3 ± 7886.8	1812.9 ± 6280.1
339.12995	Streptol glucoside	C13H22O10		Human exposome	0 ± 0	0 ± 0	12311.1 ± 4264.6	0 ± 0	0 ± 0	2248.6 ± 7789.5
282.13801					0 ± 0	0 ± 0	36224.1 ± 84648.7	0 ± 0	0 ± 0	41032.1 ± 142139.5
250.10608	2-(2-Fluorophenyl)-N-	C14H16FN5			0 ± 0	0 ± 0	0 ± 0	2985.2 ± 10341	2459.5 ± 8520.1	0 ± 0
521.16147					0 ± 0	7877.4 ± 27288	12865 ± 31164.6	0 ± 0	0 ± 0	0 ± 0
250.24191					0 ± 0	0 ± 0	0 ± 0	1347.2 ± 4666.9	3128.9 ± 7353.5	0 ± 0
329.18399					0 ± 0	0 ± 0	0 ± 0	71063.1 ± 246169.7	17026.3 ± 58981	0 ± 0
285.09799	p-Cresol glucuronide	C13H16O7		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2827.9 ± 9796	3879.5 ± 13438.9
132.10231					0 ± 0	868.7 ± 3009.3	724.3 ± 2508.9	0 ± 0	0 ± 0	0 ± 0
345.05884	LMPK12113020	C17H12O8			0 ± 0	0 ± 0	0 ± 0	4072.1 ± 9549.3	0 ± 0	3852.6 ± 13345.8
462.15793					0 ± 0	7365.1 ± 25513.4	18202.1 ± 51896.3	0 ± 0	0 ± 0	0 ± 0
163.12299	(-)-Nicotine pestanal	C10H14N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1599.4 ± 5540.6	1594.3 ± 5522.9
271.9956					0 ± 0	0 ± 0	1012.3 ± 3506.7	0 ± 0	0 ± 0	3212 ± 7578.3
261.11873	L-Ala-Gly-Gly-Gly	C9H16N4O5		Bacterial origin	0 ± 0	3436.4 ± 11904.1	0 ± 0	0 ± 0	0 ± 0	8100.6 ± 18930.3
271.14427					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1338.3 ± 4635.9	4961.7 ± 11617.5
261.14351	gamma-Glu-leu	C11H20N2O5		Human exposome	0 ± 0	0 ± 0	5421 ± 12698.6	0 ± 0	1366 ± 4732	0 ± 0
299.19703					0 ± 0	0 ± 0	0 ± 0	43972.6 ± 152325.6	8618.5 ± 29855.4	0 ± 0
114.10255	1-Pyrrolidinecarboxim	C5H11N3			0 ± 0	0 ± 0	0 ± 0	1088.3 ± 2595.5	0 ± 0	1581.5 ± 3698.9
272.13503					0 ± 0	0 ± 0	4892.4 ± 11436	0 ± 0	0 ± 0	1971.6 ± 6829.9
381.18033					0 ± 0	0 ± 0	134374.4 ± 201276.5	0 ± 0	0 ± 0	38345.4 ± 132832.5
370.02182					0 ± 0	0 ± 0	0 ± 0	0 ± 0	15332 ± 53111.5	4405.1 ± 15259.7
246.14261					0 ± 0	13724.3 ± 47542.3	0 ± 0	0 ± 0	0 ± 0	8804.6 ± 30499.9
337.14631					0 ± 0	0 ± 0	0 ± 0	0 ± 0	9175.7 ± 31785.7	40942.8 ± 79627.2
185.05375					0 ± 0	1754.7 ± 6078.4	1297.4 ± 4494.3	0 ± 0	0 ± 0	0 ± 0
493.19918					0 ± 0	0 ± 0	11337.3 ± 21031.2	0 ± 0	0 ± 0	15486.6 ± 30551.7
209.0996					0 ± 0	11939.9 ± 27885.8	55989.2 ± 43962.1	0 ± 0	0 ± 0	0 ± 0
234.01812					0 ± 0	0 ± 0	0 ± 0	6421.7 ± 22245.4	0 ± 0	4477.7 ± 15511.3
399.27564					0 ± 0	0 ± 0	0 ± 0	2961.3 ± 10258.4	0 ± 0	38855.9 ± 49124.1
115.03689					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1833.3 ± 4288.4	5305.7 ± 8051
115.03696					0 ± 0	0 ± 0	0 ± 0	0 ± 0	1290.3 ± 4469.7	3592 ± 9236.6
273.16425					0 ± 0	28076.9 ± 65873.1	50807.4 ± 65645.7	0 ± 0	0 ± 0	0 ± 0
115.03692					0 ± 0	0 ± 0	1294.7 ± 4484.9	0 ± 0	1101.6 ± 3816	0 ± 0
210.01677					0 ± 0	0 ± 0	5565.3 ± 10068	0 ± 0	0 ± 0	3016.6 ± 7167.4
210.02016					0 ± 0	0 ± 0	2409.5 ± 8346.6	0 ± 0	0 ± 0	1254.3 ± 4345
210.01704					0 ± 0	0 ± 0	1844.3 ± 6388.9	0 ± 0	0 ± 0	1472.5 ± 5100.9
255.10219					0 ± 0	3536.7 ± 12251.6	4693 ± 16257	0 ± 0	0 ± 0	0 ± 0
309.11893	2',3'-Isopropylideneim	C13H16N4O5			0 ± 0	0 ± 0	0 ± 0	0 ± 0	4394.9 ± 8115.9	8270.7 ± 12863.7
458.18971					0 ± 0	73907.5 ± 94216.9	0 ± 0	0 ± 0	18523 ± 37607.7	0 ± 0
339.04942					0 ± 0	0 ± 0	5794.6 ± 10588.9	0 ± 0	0 ± 0	3884.9 ± 9078
211.10612					0 ± 0	0 ± 0	6408.3 ± 15211.4	0 ± 0	0 ± 0	9020.1 ± 11516.9
498.99507					0 ± 0	0 ± 0	0 ± 0	0 ± 0	7664.4 ± 26550.1	8420 ± 29167.6
383.15256	Loratadine	C22H23ClN2O2			0 ± 0	37489.4 ± 68565.8	0 ± 0	0 ± 0	38569.4 ± 89564.9	0 ± 0
311.19636					0 ± 0	0 ± 0	0 ± 0	0 ± 0	91516.8 ± 317023.4	135286 ± 245388.2
376.2225					0 ± 0	8977.6 ± 31099.3	29924.1 ± 54765	0 ± 0	0 ± 0	0 ± 0
422.20039	5-Fluoro-2-indolyl des	C23H24FN5O2			0 ± 0	0 ± 0	18188.3 ± 42785.4	0 ± 0	3188.6 ± 11045.6	0

227.1281	3,7-Dimethyl-2E,6E-di	C12H18O4		0 ± 0	14057 ± 32837	0 ± 0	10046.8 ± 34803	0 ± 0	0 ± 0
256.0002				0 ± 0	3988.3 ± 13816	0 ± 0	0 ± 0	4180.4 ± 14481.4	0 ± 0
312.12985				0 ± 0	8885.5 ± 16169.9	0 ± 0	0 ± 0	2308.6 ± 7997.1	0 ± 0
327.09165	(3Z)-1H-Indole-2,3-di	C16H14N4O2S	Human exposome	0 ± 0	0 ± 0	54420.8 ± 101714.5	0 ± 0	0 ± 0	3395.4 ± 80492.5
235.13464				0 ± 0	2923.6 ± 10127.6	3720.3 ± 12887.3	0 ± 0	0 ± 0	0 ± 0
239.08575	N-Butyl-1,2-benzisoth	C11H14N2O2S		0 ± 0	0 ± 0	0 ± 0	10061.5 ± 14991	1465.7 ± 5077.3	0 ± 0
265.09481				0 ± 0	0 ± 0	0 ± 0	0 ± 0	4463.6 ± 15462.3	5019.2 ± 17387.1
282.16153				0 ± 0	0 ± 0	0 ± 0	24526.6 ± 84962.8	0 ± 0	103560.8 ± 245817
493.98945				0 ± 0	0 ± 0	30656.9 ± 106198.5	0 ± 0	1884.8 ± 6529	0 ± 0
229.15175				0 ± 0	0 ± 0	1781.2 ± 4194.6	0 ± 0	0 ± 0	701.4 ± 2429.7
333.18811				0 ± 0	0 ± 0	0 ± 0	0 ± 0	13354.6 ± 46261.6	14466.6 ± 50113.6
329.1493	Phenylalanyltyrosine	C18H20N2O4		0 ± 0	0 ± 0	0 ± 0	0 ± 0	11214.5 ± 38848.1	23104.5 ± 54381.9
252.09533				0 ± 0	0 ± 0	2306 ± 7988.3	0 ± 0	0 ± 0	1564.9 ± 5420.9
602.01249				0 ± 0	0 ± 0	3968.2 ± 13746.3	0 ± 0	3251.7 ± 11264.1	0 ± 0
307.16583				0 ± 0	0 ± 0	0 ± 0	0 ± 0	14792.7 ± 41322.5	15213 ± 35544.5
257.14842	2-Butenoic acid, 3-am	C12H20N2O4	Human exposome	0 ± 0	19131.9 ± 44733.3	0 ± 0	0 ± 0	20623.6 ± 53615	0 ± 0
255.08524	Bis(2-hydroxyethyl) te	C12H14O6	Human exposome	0 ± 0	0 ± 0	2235.2 ± 7742.9	0 ± 0	0 ± 0	1061.3 ± 3676.5
253.09586				0 ± 0	0 ± 0	5982.8 ± 20725	0 ± 0	9205.1 ± 22280.1	0 ± 0
205.06786				0 ± 0	0 ± 0	0 ± 0	1876.5 ± 6500.3	3252.3 ± 7881	0 ± 0
336.06957				0 ± 0	4625.9 ± 16024.6	0 ± 0	0 ± 0	0 ± 0	5225.8 ± 18102.8
355.10087				0 ± 0	0 ± 0	13397.5 ± 24992.2	0 ± 0	23350.5 ± 80888.6	0 ± 0
404.16159				0 ± 0	0 ± 0	56506 ± 90465.3	0 ± 0	0 ± 0	48684 ± 89302.1
287.15751				0 ± 0	0 ± 0	0 ± 0	31453.4 ± 108957.7	18035.5 ± 62476.7	0 ± 0
345.14389	Tyrosyl-Tyrosine	C18H20N2O5	Bacterial origin	0 ± 0	0 ± 0	0 ± 0	0 ± 0	52647.3 ± 98528.7	6843.6 ± 23707.1
258.096	Dioxolamycin	C11H15NO6	Human exposome	0 ± 0	0 ± 0	30351 ± 30525.7	0 ± 0	4999.2 ± 17317.8	0 ± 0
326.06684				0 ± 0	0 ± 0	29462.9 ± 70618	0 ± 0	0 ± 0	22269.8 ± 54572.5
353.10953	Hexythiazox	C17H21ClN2O2S		0 ± 0	76413.1 ± 114727.2	0 ± 0	0 ± 0	93796.3 ± 125699.9	0 ± 0
296.07108				0 ± 0	9957.4 ± 34493.4	0 ± 0	0 ± 0	0 ± 0	5630.2 ± 19503.5
462.20758				0 ± 0	0 ± 0	20134.2 ± 69747	0 ± 0	0 ± 0	31324.9 ± 108512.6
534.19729				0 ± 0	40922.1 ± 95574.4	0 ± 0	0 ± 0	0 ± 0	3010.6 ± 10429.1
351.16122				0 ± 0	0 ± 0	57569.4 ± 66884.3	0 ± 0	0 ± 0	4249.5 ± 14720.9
550.33621				0 ± 0	0 ± 0	10552.4 ± 16074.7	0 ± 0	0 ± 0	11730.6 ± 15100.9
249.98269				0 ± 0	895.2 ± 3101.1	0 ± 0	0 ± 0	0 ± 0	1121.4 ± 3884.6
350.0003				0 ± 0	0 ± 0	2794.8 ± 9681.4	0 ± 0	0 ± 0	1777.1 ± 6156.2
222.07495				0 ± 0	0 ± 0	1118.5 ± 3874.7	1517.9 ± 5258.2	0 ± 0	0 ± 0
307.24683				0 ± 0	0 ± 0	0 ± 0	1309.4 ± 4536	3194.5 ± 7478.1	0 ± 0
305.10965				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3369.3 ± 11671.6	11302 ± 26529.7
267.07273	1-(4-Chlorophenyl)-4-	C13H15ClN2S	Bacterial origin	0 ± 0	0 ± 0	8191.5 ± 28376.1	0 ± 0	0 ± 0	5700.9 ± 19748.6
593.25145				0 ± 0	0 ± 0	2694.3 ± 9333.2	0 ± 0	0 ± 0	4151.2 ± 14380.1
198.07987	1-(5-Chloro-2-pyridiny	C9H12ClN3	Human exposome	0 ± 0	0 ± 0	1310.5 ± 4539.9	0 ± 0	0 ± 0	13870 ± 48047
272.16282				0 ± 0	6728.1 ± 23306.8	64919.5 ± 70793.1	0 ± 0	0 ± 0	0 ± 0
252.12295	dipropyl pyridine-2,5-d	C13H17NO4	Human exposome	0 ± 0	5835.6 ± 20215.2	0 ± 0	17163.2 ± 40107.4	0 ± 0	0 ± 0
304.16034	Arg-Glu	C11H21N5O5	Bacterial origin	0 ± 0	0 ± 0	29468 ± 102080.3	0 ± 0	0 ± 0	87287.9 ± 119682.7
269.06494	Benzene-1,3,5-tricarbo	C12H12O7	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2850.6 ± 9874.8	8654.1 ± 21089.6
240.12402	N-(2-Phenylethyl)-9H-	C13H13N5		0 ± 0	0 ± 0	0 ± 0	7492.8 ± 25955.9	11253.1 ± 38981.9	0 ± 0
276.16006	4'-hydroxypropanolol	C16H21NO3		0 ± 0	12587 ± 43602.6	152242.4 ± 90470.3	0 ± 0	0 ± 0	0 ± 0
417.24453	ELR (Tryptic Peptide)	C17H32N6O6		0 ± 0	0 ± 0	7025.2 ± 16440.8	0 ± 0	0 ± 0	5899.2 ± 13811.4
307.10868				0 ± 0	37909.4 ± 88866.6	0 ± 0	0 ± 0	0 ± 0	9674.9 ± 33514.9
250.11554				0 ± 0	7615.1 ± 26379.3	8726.9 ± 30230.9	0 ± 0	0 ± 0	0 ± 0
295.14172	Triamifos	C12H19N6OP		0 ± 0	0 ± 0	0 ± 0	0 ± 0	27478.5 ± 50323.2	44698.1 ± 88454.5
303.10412	2,5-Dimethoxy-5'-fluor	C17H15FO4		0 ± 0	0 ± 0	34619.6 ± 52375.9	0 ± 0	0 ± 0	64040.1 ± 67124.1
276.09343				0 ± 0	0 ± 0	3459 ± 11982.4	0 ± 0	0 ± 0	4901.5 ± 11857.3
226.09208				0 ± 0	5413.9 ± 18754.4	0 ± 0	0 ± 0	4837.9 ± 16758.9	0 ± 0
361.24901				0 ± 0	0 ± 0	0 ± 0	0 ± 0	46318.6 ± 69786	70129.2 ± 102477.6
247.15143				0 ± 0	24797.1 ± 85989.6	0 ± 0	0 ± 0	14451.5 ± 50061.5	0 ± 0
279.15141	N-Cyclohexyl-N'-(4-eth	C15H22N2O5		0 ± 0	8730.9 ± 30244.7	0 ± 0	0 ± 0	0 ± 0	4019.5 ± 13923.9
250.16159				0 ± 0	10856.4 ± 19807.1	6575.3 ± 13195.4	0 ± 0	0 ± 0	0 ± 0
461.27458				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2752.8 ± 9536.1	12652.1 ± 29552.1
280.97931				0 ± 0	0 ± 0	16521 ± 37307.4	0 ± 0	0 ± 0	5603.4 ± 19410.8
476.2846				0 ± 0	0 ± 0	49388.3 ± 98469.5	0 ± 0	0 ± 0	57434.7 ± 116043.5
313.12418				0 ± 0	0 ± 0	18311.9 ± 63434.5	0 ± 0	0 ± 0	14976.7 ± 51880.8
273.11731				0 ± 0	4288.2 ± 10409.7	5320.9 ± 13062.6	0 ± 0	0 ± 0	0 ± 0
387.16343				0 ± 0	0 ± 0	23815.5 ± 82499.2	0 ± 0	0 ± 0	28755.4 ± 99611.6
295.99757	7-Nitronaphtho[1,2-D	C10H5N3O6S		0 ± 0	41537.6 ± 143890.6	0 ± 0	0 ± 0	0 ± 0	33411.1 ± 115739.3
247.16516	Boc-Tyr-OH	C11H22N2O4	Human exposome	0 ± 0	25438.1 ± 88120.2	5974.1 ± 20695	0 ± 0	0 ± 0	0 ± 0
520.1205				0 ± 0	0 ± 0	13044.6 ± 12272.5	0 ± 0	0 ± 0	6343.4 ± 9399.5
304.14002				0 ± 0	16231.7 ± 38083.6	0 ± 0	0 ± 0	0 ± 0	8695.5 ± 30122
527.10599				0 ± 0	0 ± 0	53782.5 ± 108823.3	0 ± 0	0 ± 0	36547.1 ± 126602.9
341.21944	Pro-Pro-Lys	C16H28N4O4	Bacterial origin	0 ± 0	0 ± 0	82224 ± 76544.9	0 ± 0	0 ± 0	7818.5 ± 27084.1
259.10172	Butyl 5H-[1,2,4]triazin	C13H14N4S		0 ± 0	0 ± 0	12643.2 ± 43797.3	0 ± 0	0 ± 0	6265 ± 21702.6
304.12458	Poly-(glycine)5	C10H17N5O6	Bacterial origin	0 ± 0	10956.2 ± 37953.4	0 ± 0	0 ± 0	7650.3 ± 26501.5	0 ± 0
248.08208				0 ± 0	5425.3 ± 18793.8	0 ± 0	0 ± 0	0 ± 0	4537.6 ± 15718.7
245.14873				0 ± 0	0 ± 0	15761.2 ± 54598.4	20770.7 ± 71951.8	0 ± 0	0 ± 0
376.16942				0 ± 0	7940.8 ± 27507.9	8616.6 ± 29848.7	0 ± 0	0 ± 0	0 ± 0
318.15045				0 ± 0	31191.8 ± 73118	43310.4 ± 101493.7	0 ± 0	0 ± 0	0 ± 0
347.34182				0 ± 0	2759.8 ± 6498.5	2148.5 ± 7442.5	0 ± 0	0 ± 0	0 ± 0
223.14446	3-Hydroxymonoethylgl	C12H18N2O2		0 ± 0	0 ± 0	0 ± 0	0 ± 0	11699.2 ± 40527.1	14677.4 ± 50843.9
454.3052	Lyngbyatoxin B	C27H39N3O3	Human exposome	0 ± 0	2581.1 ± 8941.3	0 ± 0	0 ± 0	0 ± 0	6358.5 ± 14850.4
324.11545				0 ± 0	0 ± 0	73485.2 ± 75507.5	0 ± 0	0 ± 0	4480.1 ± 15519.4
330.07151				0 ± 0	0 ± 0	18752.5 ± 38409.9	0 ± 0	0 ± 0	17560.5 ± 32084.4
224.21821				0 ± 0	11844.7 ± 15643	0 ± 0	0 ± 0	10545.3 ± 17212.1	0 ± 0
237.1595	Procaine	C13H20N2O2	Human exposome	0 ± 0	0 ± 0	0 ± 0	6823.5 ± 8438.6	1397.9 ± 4842.5	0 ± 0
548.22049	[1,1'-Biphenyl]-2-carbo	C33H29N3O5	Human exposome	0 ± 0	0 ± 0	14204.6 ± 49206.2	0 ± 0	0 ± 0	7142.9 ± 24743.7
259.10174	Butyl 5H-[1,2,4]triazin	C13H14N4S		0 ± 0	1835.4 ± 6358	4192.4 ± 9807.4	0 ± 0	0 ± 0	0 ± 0
590.25456				0 ± 0	11963.8 ± 41443.7	0 ± 0	0 ± 0	0 ± 0	27142.6 ± 94024.6
333.07655				0 ± 0	0 ± 0	18519 ± 44466	0 ± 0	0 ± 0	26590.8 ± 62428.5
187.11717				0 ± 0	0 ± 0	0 ± 0	672.2 ± 2328.7	861.4 ± 2983.9	0 ± 0
260.02649				0 ± 0	0 ± 0	4105.7 ± 14222.6	0 ± 0	0 ± 0	4885.9 ± 11786.9
227.1594				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2558 ± 8861	2786.5 ± 9652.9
544.15668				0 ± 0	0 ± 0	4496.5 ± 10501.7	0 ± 0	0 ± 0	1705.4 ± 5907.6
345.11686	Clotrimazole	C22H17ClN2	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1155.6 ± 4003	16304.3 ± 19368.7
255.11748				0 ± 0	9575.9 ± 22383	18843.7 ± 44651.6	0 ± 0	0 ± 0	0 ± 0
226.11142	3-Chloro-2-[4-methyl-	C11H16ClN3		0 ± 0	0 ± 0	1650.7 ± 5718.1	0 ± 0	0 ± 0	2870.3 ± 9943.2
260.0278	4-Bromo-2,5-dimetho	C10H14BrNO2		0 ± 0	0 ± 0	1735.1 ± 6010.6	0 ± 0	0 ± 0	2850.5 ± 9874.4
323.12293	Binapacryl	C15H18N2O6	Human exposome	0 ± 0	0 ± 0	0 ± 0	26284.5 ± 48290.3	37606.8 ± 68374.3	0 ± 0
415.16826	Diltiazem	C22H26N2O4S		0 ± 0	0 ± 0	0 ± 0	29819.5 ± 103297.6	13666.5 ± 47342.3	0 ± 0
248.13642				0 ± 0	13098 ± 45372.7	0 ± 0	0 ± 0	7725.6 ± 26762.2	0 ± 0
515.20024				0 ± 0	20184.3 ± 69920.6	0 ± 0	0 ± 0	42868.8 ± 115174.2	0 ± 0
290.14551	Arg-Asp	C10H19N5O5	Bacterial origin	0 ± 0	0 ± 0	27367.6 ± 94804	0 ± 0	0 ± 0	23483.7 ± 81349.8
329.98223				0 ± 0	5924.5 ± 13969	0 ± 0	0 ± 0	0 ± 0	2755.4 ± 9544.9
312.15191				0 ± 0	0 ± 0	8382.6 ± 15453.6	0 ± 0	0 ± 0	3269.3 ± 11325.1
243.12115				0 ± 0	0 ± 0	4576.6 ± 15853.8	10904.8 ± 25548.1	0 ± 0	0 ± 0
590.03756				0 ± 0	0 ± 0	13394 ± 31471.8	0 ± 0	0 ± 0	10559.1 ± 24721.9
659.03506				0 ± 0	2435.3 ± 8436.1	0 ± 0	0 ± 0	0 ± 0	3058.5 ± 7177.5
265.08286	(S)-3-((Benzylxy)carb	C12H12N2O5	Human exposome	0 ± 0	0 ± 0	35060.8 ± 32180.9	0 ± 0	0 ± 0	21347.1 ± 26937.4
391.92299				0 ± 0	0 ± 0	7181.5 ± 18177.7	0 ± 0	0 ± 0	0 ± 0
430.91343				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1990.1 ± 6893.9	22013.8 ± 59621.5
271.01733				0 ± 0	2105.3 ± 7293	1489.5 ± 5159.6	0 ± 0	0 ± 0	0 ± 0
518.22597				0 ± 0	0 ± 0	17783 ± 61602.2			

344.25444				0 ± 0	1716.7 ± 5946.9	3588.6 ± 12431.4	0 ± 0	0 ± 0	0 ± 0
232.04346				0 ± 0	0 ± 0	8252.9 ± 20472.3	0 ± 0	0 ± 0	3552.8 ± 12307.2
502.86536				0 ± 0	0 ± 0	2982 ± 10330	0 ± 0	0 ± 0	2255.3 ± 7812.6
405.21231				0 ± 0	0 ± 0	42537.4 ± 68369.6	0 ± 0	0 ± 0	7312.1 ± 25330
293.97854				0 ± 0	0 ± 0	0 ± 0	1361.5 ± 4716.4	2830.4 ± 9804.7	0 ± 0
421.17906	Ascofuranone	C23H29ClO5	Human exposome	0 ± 0	0 ± 0	4950.2 ± 17147.9	19835.3 ± 46882.1	0 ± 0	0 ± 0
421.24315	Sclerotiotide F	C21H32NAO5	Human exposome	0 ± 0	0 ± 0	7651.4 ± 26505.4	0 ± 0	0 ± 0	6911.7 ± 23942.9
129.10162	N-Methyl-L-prolinamide	C6H12N2O		0 ± 0	521.1 ± 1805.3	3873.2 ± 5832.2	0 ± 0	0 ± 0	0 ± 0
232.20621	1-(4-p-Tolyl-butyl)-p	C16H25N	Human exposome	0 ± 0	1559 ± 5400.6	0 ± 0	0 ± 0	1268.5 ± 4394.1	0 ± 0
360.16621				0 ± 0	0 ± 0	41069.3 ± 61311.4	0 ± 0	0 ± 0	6723.3 ± 23290.2
624.94983				0 ± 0	0 ± 0	5948.5 ± 20606.1	0 ± 0	0 ± 0	2829 ± 9800
357.97794				0 ± 0	0 ± 0	0 ± 0	8421.7 ± 29173.8	0 ± 0	10246.8 ± 35495.9
587.96334				0 ± 0	0 ± 0	6637.2 ± 22991.8	0 ± 0	0 ± 0	5571 ± 19298.5
238.06199	2-Fluorobenzyl 4-amir	C10H8FN3O3		0 ± 0	0 ± 0	0 ± 0	1874.3 ± 6492.9	0 ± 0	4095.4 ± 9766.3
198.09387				0 ± 0	1278.1 ± 4427.4	0 ± 0	3625.4 ± 8469.8	0 ± 0	0 ± 0
392.93137				0 ± 0	0 ± 0	0 ± 0	4603.6 ± 10964.4	1417.1 ± 4909.2	0 ± 0
339.2525	14,15-DiHETrE	C20H34O4	Human exposome	0 ± 0	0 ± 0	0 ± 0	0 ± 0	10381.5 ± 19147.6	19344.4 ± 27579.7
277.08847				0 ± 0	0 ± 0	14857.4 ± 51467.6	0 ± 0	0 ± 0	27657.5 ± 64601.5
356.99618				0 ± 0	0 ± 0	8967.2 ± 31063.2	0 ± 0	0 ± 0	5232.5 ± 18126.1
261.12555				0 ± 0	2558.1 ± 8861.4	0 ± 0	1437 ± 4977.9	0 ± 0	0 ± 0
249.07066				0 ± 0	0 ± 0	3777.9 ± 13087.1	0 ± 0	0 ± 0	9223 ± 21636.2
201.11257	Hydralazine acetone h	C11H12N4		0 ± 0	4420.1 ± 10590.9	0 ± 0	0 ± 0	1931.4 ± 6690.4	0 ± 0
208.01842				0 ± 0	0 ± 0	3414.5 ± 6270.9	0 ± 0	0 ± 0	1858.1 ± 4343.5
390.01474				0 ± 0	8170.3 ± 28302.8	0 ± 0	0 ± 0	0 ± 0	20613 ± 52807
200.04142				0 ± 0	0 ± 0	26786.8 ± 30400.6	0 ± 0	0 ± 0	12060.6 ± 12701.6
534.21753				0 ± 0	0 ± 0	19019.4 ± 65885.3	0 ± 0	0 ± 0	3882 ± 13447.5
431.30222	8-Deoxyankolide	C23H42O7	Human exposome	0 ± 0	0 ± 0	0 ± 0	15788.4 ± 20725.4	0 ± 0	2104.8 ± 7291.2
509.1939				0 ± 0	0 ± 0	21150.5 ± 73267.6	0 ± 0	0 ± 0	16158 ± 55972.8
239.02112	1-(4-Chlorophenyl)-2,4	C10H7ClN2O3		0 ± 0	0 ± 0	2244.8 ± 7776.2	0 ± 0	0 ± 0	5317.3 ± 12433
263.23095				0 ± 0	2932.5 ± 10158.6	0 ± 0	0 ± 0	0 ± 0	1898.4 ± 6576.4
273.19472				0 ± 0	6661.8 ± 15596.1	10973.5 ± 20078.1	0 ± 0	0 ± 0	0 ± 0
479.22435				0 ± 0	0 ± 0	0 ± 0	0 ± 0	4958.1 ± 17175.5	30930 ± 61569.1
265.12666				0 ± 0	0 ± 0	6845.5 ± 16165.9	0 ± 0	2389.6 ± 8277.8	0 ± 0
242.08908	1-([3-(Trifluoromethyl)	C11H10F3N3		0 ± 0	1554.9 ± 5386.2	0 ± 0	0 ± 0	8876.8 ± 16059.5	0 ± 0
219.97217				0 ± 0	0 ± 0	5524.7 ± 19138	0 ± 0	0 ± 0	2871.7 ± 9947.9
386.01869				0 ± 0	14890.4 ± 51582	0 ± 0	0 ± 0	0 ± 0	6868.1 ± 23791.8
505.00172				0 ± 0	2616.9 ± 9065	6991.1 ± 16508.9	0 ± 0	0 ± 0	0 ± 0
214.05416	Methyl 5-acetyl-2-am	C9H11NO3S		0 ± 0	0 ± 0	0 ± 0	6434.2 ± 15739	0 ± 0	1910.8 ± 6619.1
353.10887	Hexythiazox	C17H21ClN2O2S		0 ± 0	0 ± 0	0 ± 0	0 ± 0	5013.2 ± 17366.2	26107.3 ± 39334.3
351.30182				0 ± 0	2020.8 ± 7000.1	0 ± 0	0 ± 0	0 ± 0	1665.9 ± 5770.8
505.21853				0 ± 0	0 ± 0	5083.8 ± 17610.7	0 ± 0	0 ± 0	6595.7 ± 15611.7
334.13302				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2952.7 ± 10228.6	13174.3 ± 45637
508.96245	Marinopyrrole A	C22H12Cl4N2O4	Human exposome	0 ± 0	0 ± 0	19618.1 ± 51161.6	0 ± 0	0 ± 0	8380.7 ± 29031.7
167.09347				0 ± 0	2093.4 ± 4910.5	0 ± 0	0 ± 0	821.2 ± 2844.7	0 ± 0
252.97159				0 ± 0	0 ± 0	0 ± 0	0 ± 0	942.7 ± 3265.6	1589.2 ± 3759.7
348.07078				0 ± 0	0 ± 0	11956.4 ± 41418.3	0 ± 0	0 ± 0	15243.7 ± 52805.6
355.1515				0 ± 0	0 ± 0	7029 ± 24349.1	0 ± 0	0 ± 0	5992.5 ± 20758.8
504.90107				0 ± 0	0 ± 0	0 ± 0	1422.7 ± 4928.5	0 ± 0	2768.8 ± 9591.4
245.12553				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2051.3 ± 7105.9	15868.2 ± 19767.8
522.96186				0 ± 0	0 ± 0	0 ± 0	0 ± 0	5471.4 ± 13020.1	20398.1 ± 70660.9
360.19236				0 ± 0	0 ± 0	14063.5 ± 33636.4	0 ± 0	0 ± 0	7027.1 ± 24342.5
271.07666				0 ± 0	0 ± 0	9070.1 ± 31419.9	0 ± 0	0 ± 0	8627.7 ± 29887.4
249.06066	Nitrefazole	C10H8N4O4	Human exposome	0 ± 0	0 ± 0	13455.2 ± 46610.2	0 ± 0	0 ± 0	11198.5 ± 38792.8
415.16906	Diltiazem	C22H26N2O4S		0 ± 0	14387.6 ± 49840	9848.3 ± 34115.5	0 ± 0	0 ± 0	0 ± 0
201.08679	4-imidazolidinepropan	C8H12N2O4		0 ± 0	2668.8 ± 9245	0 ± 0	0 ± 0	7112.3 ± 16610.9	0 ± 0
376.98396				0 ± 0	1442 ± 4995.3	0 ± 0	1189.4 ± 4120.2	0 ± 0	0 ± 0
391.97681	N-(4-Iodophenyl)-4-(tr	C14H9F3INO		0 ± 0	0 ± 0	0 ± 0	7072.9 ± 16721.1	0 ± 0	2840.5 ± 9839.6
228.17105				0 ± 0	0 ± 0	10459.9 ± 18966.6	0 ± 0	0 ± 0	3124.4 ± 7297
194.11741	3,4-Methylenedioxyam	C11H15NO2	Human exposome	0 ± 0	0 ± 0	0 ± 0	5822 ± 8785.2	1389.9 ± 4814.7	0 ± 0
511.02193				0 ± 0	0 ± 0	2503.3 ± 8671.5	0 ± 0	0 ± 0	1485.7 ± 5146.5
219.97149				0 ± 0	0 ± 0	2208.4 ± 5236.2	0 ± 0	0 ± 0	1141.2 ± 3953.2
229.05074				0 ± 0	6559.9 ± 9738.1	12818.1 ± 11622.1	0 ± 0	0 ± 0	0 ± 0
459.35951				0 ± 0	0 ± 0	0 ± 0	0 ± 0	4340.8 ± 10488.6	17617.3 ± 26716.4
473.0908				0 ± 0	0 ± 0	0 ± 0	0 ± 0	6793 ± 16154.1	15092.2 ± 36212.1
272.13876	N-([3R]-Quinuclidin-3	C15H17N3O2		0 ± 0	0 ± 0	0 ± 0	11665.1 ± 40409	0 ± 0	9912.6 ± 34338.2
228.17039				0 ± 0	2053.2 ± 7112.3	1182.9 ± 4097.8	0 ± 0	0 ± 0	0 ± 0
406.9619				0 ± 0	0 ± 0	9339.4 ± 32352.8	0 ± 0	0 ± 0	9735.3 ± 33724.2
257.10827	1-(2-Fluorobenzyl)-1H	C15H13FN2O	Bacterial origin	0 ± 0	0 ± 0	2880.6 ± 6727.6	1516.2 ± 5252.4	0 ± 0	0 ± 0
597.2882				0 ± 0	0 ± 0	20791.3 ± 59831.4	0 ± 0	0 ± 0	4196.6 ± 14537.3
272.08233				0 ± 0	2787.3 ± 9655.4	1724.1 ± 5972.6	0 ± 0	0 ± 0	0 ± 0
387.27831				0 ± 0	10834.2 ± 19786.4	0 ± 0	0 ± 0	0 ± 0	8192.1 ± 20033.7
523.23695				0 ± 0	7718.9 ± 26739.1	11295.1 ± 27402	0 ± 0	0 ± 0	0 ± 0
261.09103	4'-Hydroxyflurbiprofer	C15H13FO3	Human exposome	0 ± 0	0 ± 0	9408.5 ± 17251.4	0 ± 0	0 ± 0	9377.6 ± 17273.3
286.09091				0 ± 0	0 ± 0	0 ± 0	0 ± 0	9227.4 ± 31964.7	9292.7 ± 32190.8
496.3081				0 ± 0	3656.7 ± 12667.3	1841.1 ± 6377.7	0 ± 0	0 ± 0	0 ± 0
435.20274				0 ± 0	0 ± 0	0 ± 0	0 ± 0	10562 ± 36587.8	7721.9 ± 26749.4
388.13669				0 ± 0	0 ± 0	12518.1 ± 29271.3	0 ± 0	0 ± 0	5759.5 ± 19951.4
647.25135				0 ± 0	0 ± 0	6953.5 ± 24087.5	0 ± 0	0 ± 0	11009.6 ± 38138.5
512.94817				0 ± 0	8578.4 ± 29716.6	9099.8 ± 31522.7	0 ± 0	0 ± 0	0 ± 0
214.08179				0 ± 0	0 ± 0	0 ± 0	1060.3 ± 3673.1	0 ± 0	7504.4 ± 11177.3
353.96271				0 ± 0	3367.5 ± 11665.3	0 ± 0	0 ± 0	0 ± 0	4191.4 ± 10317.4
171.08993				0 ± 0	0 ± 0	0 ± 0	4129.1 ± 6131.2	0 ± 0	923.4 ± 3198.8
278.25855				0 ± 0	1253.8 ± 4343.4	0 ± 0	0 ± 0	0 ± 0	752 ± 2604.8
253.01727				0 ± 0	0 ± 0	4614.5 ± 15985.2	0 ± 0	0 ± 0	5027 ± 17414.2
380.16103				0 ± 0	0 ± 0	9827.8 ± 34044.7	0 ± 0	0 ± 0	6204.1 ± 21491.8
473.1335				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3536.2 ± 8283.9	12479.3 ± 16108.5
461.37414				0 ± 0	0 ± 0	0 ± 0	0 ± 0	2079.5 ± 7203.8	13423.5 ± 21303.2
604.99924				0 ± 0	0 ± 0	2842.8 ± 9847.6	0 ± 0	0 ± 0	12620.8 ± 34323.5
434.96398				0 ± 0	1437.3 ± 4979	0 ± 0	0 ± 0	1644.2 ± 5695.7	0 ± 0
249.08158	N-(5-Propyl-1,3,4-thia	C11H12N4O5	Human exposome	0 ± 0	1871.7 ± 6483.8	3327.3 ± 11526.1	0 ± 0	0 ± 0	0 ± 0
582.22349				0 ± 0	0 ± 0	8384.9 ± 29046.2	0 ± 0	0 ± 0	6763.5 ± 23429.6
395.41017				0 ± 0	0 ± 0	2931.4 ± 10154.6	3053.7 ± 10578.3	0 ± 0	0 ± 0
200.04104				0 ± 0	0 ± 0	11767.2 ± 21462.3	0 ± 0	0 ± 0	2479 ± 8587.5
218.0143	Propanil	C9H9Cl2NO		0 ± 0	0 ± 0	2848 ± 9865.8	0 ± 0	0 ± 0	1642.3 ± 5689.2
328.22166				0 ± 0	4708.6 ± 16311.2	4378.1 ± 15166.3	0 ± 0	0 ± 0	0 ± 0
395.96491				0 ± 0	0 ± 0	3114.9 ± 10790.4	0 ± 0	0 ± 0	10037.1 ± 34769.5
339.96171				0 ± 0	0 ± 0	2728.8 ± 9452.8	0 ± 0	0 ± 0	1963.6 ± 6802.2
84.08104				0 ± 0	0 ± 0	0 ± 0	0 ± 0	892.3 ± 3090.9	4711.7 ± 7029.8
582.25322				0 ± 0	0 ± 0	8353 ± 28935.6	0 ± 0	0 ± 0	4472.9 ± 15494.6
623.00281	8-Hydroxyapigenin 8'-	C21H18O18S2		0 ± 0	4053.7 ± 14042.3	0 ± 0	0 ± 0	2055.9 ± 7121.7	0 ± 0
325.23765	methyl-10-hydroperox	C19H32O4		0 ± 0	0 ± 0	0 ± 0	0 ± 0	4928.4 ± 17072.5	7457.2 ± 25832.6
396.22738				0 ± 0	2225.4 ± 7709	1626.6 ± 5634.7	0 ± 0	0 ± 0	0 ± 0
351.13084				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1836.9 ± 6363.3	7535.8 ± 14125.9
384.03513				0 ± 0	0 ± 0	9007.8 ± 31204	0 ± 0	0 ± 0	2892.2 ± 10019
402.28394				0 ± 0	2277.5 ± 7889.4	3640.1 ± 12609.7	0 ± 0	0 ± 0	0 ± 0
271.02723				0 ± 0	0 ± 0	7550.9 ± 17931.7	0 ± 0	0 ± 0	4096.6 ± 14191
409.25371				0 ± 0	0 ± 0	3790.8 ± 8878.7	0 ± 0	0 ± 0	1138.3 ± 3943.2
665.04277				0 ± 0	0 ± 0	3523.9 ± 12207.2	0 ± 0	0 ± 0	2327.1 ± 8061.3
388.02541				0 ± 0	0 ± 0	3920.8 ± 9174.6	0 ± 0	3390.8 ± 11746.2	0 ± 0
467.31042				0 ± 0	0 ± 0	0 ± 0	6866.9 ± 16142.5	2850.5 ± 9874.4	0 ± 0
546.04191				0 ± 0	0 ± 0	6305.2 ± 21841.9	0 ± 0	0 ± 0	3407.5 ± 11803.8

366.00669				0 ± 0	0 ± 0	1138.4 ± 3943.6	0 ± 0	0 ± 0	1182.8 ± 4097.4
265.01554				0 ± 0	3373.1 ± 11684.9	0 ± 0	0 ± 0	2950.5 ± 10220.8	0 ± 0
443.40487				0 ± 0	6486.6 ± 22470.2	0 ± 0	2907.2 ± 10071	0 ± 0	0 ± 0
214.97172				0 ± 0	0 ± 0	2987.4 ± 7036.3	0 ± 0	0 ± 0	1242.8 ± 4305.3
456.94493				0 ± 0	5766.8 ± 13891	0 ± 0	0 ± 0	3330.1 ± 11536	0 ± 0
259.94817				0 ± 0	0 ± 0	6288.6 ± 9384.3	0 ± 0	0 ± 0	2556.4 ± 6011.3
173.0553				0 ± 0	0 ± 0	2117.2 ± 7334.1	0 ± 0	0 ± 0	6513.7 ± 12104.5
394.97876				0 ± 0	0 ± 0	2923.5 ± 10127.4	0 ± 0	0 ± 0	1843.5 ± 6386
381.28683				0 ± 0	1617.1 ± 5601.7	0 ± 0	0 ± 0	6316.6 ± 11737	0 ± 0
147.11276	L-Lysine	C6H14N2O2	Bacterial origin	0 ± 0	504 ± 1746	2788.3 ± 5056.4	0 ± 0	0 ± 0	0 ± 0
279.07282				0 ± 0	4173.5 ± 14457.4	0 ± 0	0 ± 0	3470.2 ± 12021.1	0 ± 0
562.86013				0 ± 0	0 ± 0	0 ± 0	1124 ± 3893.7	0 ± 0	6344.3 ± 16549.3
258.08818	Mordant yellow 12	C13H11N3O3	Human exposome	0 ± 0	2409.9 ± 8348	2731.3 ± 9461.5	0 ± 0	0 ± 0	0 ± 0
220.0676				0 ± 0	0 ± 0	2560.8 ± 8870.7	0 ± 0	0 ± 0	4077 ± 9725.4
389.36381	1-O-[2R-hydroxy-eicos	C23H48O4	Human exposome	0 ± 0	2452.9 ± 8497.3	2134.7 ± 7394.9	0 ± 0	0 ± 0	0 ± 0
388.26221				0 ± 0	0 ± 0	4471.4 ± 15489.6	0 ± 0	0 ± 0	2895.1 ± 10028.8
261.06779				0 ± 0	6368.6 ± 9513.8	856.1 ± 2965.5	0 ± 0	0 ± 0	0 ± 0
242.0859				0 ± 0	1708.7 ± 5919.3	0 ± 0	0 ± 0	0 ± 0	2465.5 ± 8540.9
197.11718	11-oxo-undeca-5,8-die	C11H16O3		0 ± 0	0 ± 0	1465.3 ± 5076.1	0 ± 0	0 ± 0	857.6 ± 2970.8
558.96557				0 ± 0	0 ± 0	1889.8 ± 6546.5	0 ± 0	0 ± 0	2641.9 ± 9151.8
429.39357	1-O-[2R-methoxy-4Z-	C26H52O4	Human exposome	0 ± 0	4307.3 ± 14921	2483.3 ± 8602.5	0 ± 0	0 ± 0	0 ± 0
533.2321				0 ± 0	0 ± 0	4794.3 ± 16607.8	0 ± 0	0 ± 0	1704.1 ± 5903.1
488.2162				0 ± 0	4698 ± 16274.4	0 ± 0	0 ± 0	1788.6 ± 6195.9	0 ± 0
447.15344				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1885.5 ± 6531.6	4546 ± 10631.4
307.01912	3-[[[5-Methyl-1,3,4-th	C13H10N2O3S2		0 ± 0	0 ± 0	1547.9 ± 5361.9	0 ± 0	0 ± 0	4837.3 ± 11375.6
254.10034				0 ± 0	3392.1 ± 11750.5	0 ± 0	0 ± 0	2877.1 ± 9966.7	0 ± 0
259.07424	5,12-Naphthacene Qu	C18H10O2		0 ± 0	0 ± 0	0 ± 0	0 ± 0	3457.7 ± 11977.9	2758.2 ± 9554.6
273.9227				0 ± 0	2749.6 ± 6432.2	3269.9 ± 7689.6	0 ± 0	0 ± 0	0 ± 0
506.4628				0 ± 0	2243.1 ± 7770.3	0 ± 0	0 ± 0	0 ± 0	1699.3 ± 5886.6
248.08621	4-(Dimethylamino)-N-	C12H13N3O5		0 ± 0	0 ± 0	0 ± 0	2090.9 ± 7243.1	2820.5 ± 9770.6	0 ± 0
473.11847				0 ± 0	0 ± 0	0 ± 0	0 ± 0	3831.6 ± 8958.4	1921.2 ± 6655.2
413.00096				0 ± 0	0 ± 0	0 ± 0	3794.6 ± 13144.8	1815.5 ± 6289.2	0 ± 0
273.92315				0 ± 0	1262.4 ± 4373.2	4297.4 ± 7829.9	0 ± 0	0 ± 0	0 ± 0
260.08094	N-[Tris(hydroxymethyl	C7H17NO7S		0 ± 0	0 ± 0	2086.3 ± 7227.1	0 ± 0	0 ± 0	3457.3 ± 11976.6
262.22683				0 ± 0	3193.1 ± 7556.9	0 ± 0	0 ± 0	2155 ± 7465.2	0 ± 0
214.00621				0 ± 0	0 ± 0	3947.6 ± 9268.2	0 ± 0	0 ± 0	1166.6 ± 4041.3
553.09613				0 ± 0	0 ± 0	1936.5 ± 6708.2	0 ± 0	0 ± 0	3163.6 ± 10959.2
206.04691				0 ± 0	0 ± 0	1329.5 ± 4605.7	0 ± 0	0 ± 0	1872.5 ± 6486.4
285.00035				0 ± 0	2779.7 ± 9629	2118.5 ± 7338.8	0 ± 0	0 ± 0	0 ± 0
414.06263				0 ± 0	1929 ± 6682.4	2945.8 ± 10204.4	0 ± 0	0 ± 0	0 ± 0
218.07653	2,4-Dihydro-4-(beta-D	C7H11N3O5	Human exposome	0 ± 0	0 ± 0	0 ± 0	1556.6 ± 5392.3	0 ± 0	3279.2 ± 11359.5
232.02431				0 ± 0	0 ± 0	2287.5 ± 7924	0 ± 0	1762.7 ± 6106.1	0 ± 0
241.0221				0 ± 0	2327.6 ± 8063.2	2347 ± 5512.5	0 ± 0	0 ± 0	0 ± 0
590.0667				0 ± 0	0 ± 0	0 ± 0	1590.3 ± 5509	0 ± 0	2988.8 ± 10353.5
201.05401	3-Hydroxy-3H-benzof	C12H8O3		0 ± 0	1250.8 ± 4333	2111.8 ± 5023.5	0 ± 0	0 ± 0	0 ± 0
278.1825				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1039.4 ± 3600.6	977.4 ± 3385.8
155.03445	2-Pyrocatechuic acid	C7H6O4	Human exposome	0 ± 0	3442.6 ± 6363.2	934.5 ± 3237.3	0 ± 0	0 ± 0	0 ± 0
324.364				0 ± 0	1321.4 ± 4577.5	0 ± 0	0 ± 0	0 ± 0	968.7 ± 3355.6
420.40723				0 ± 0	0 ± 0	2864.5 ± 9922.8	1493 ± 5171.8	0 ± 0	0 ± 0
648.00101				0 ± 0	0 ± 0	2103.5 ± 7286.7	0 ± 0	0 ± 0	2241.6 ± 7765.2
385.01373				0 ± 0	0 ± 0	1786.6 ± 6189	0 ± 0	0 ± 0	2550.9 ± 8836.7
431.38731	alpha-Tocopherol	C29H50O2		0 ± 0	2033.3 ± 7043.6	2208.1 ± 7649.1	0 ± 0	0 ± 0	0 ± 0
274.88153	5,7-Dibromo-1H-indaz	C7H4Br2N2		0 ± 0	0 ± 0	1607.8 ± 5569.5	0 ± 0	0 ± 0	2541.1 ± 5948.4
507.95905				0 ± 0	0 ± 0	0 ± 0	1458.1 ± 5050.9	0 ± 0	2644.4 ± 9160.6
120.08102				0 ± 0	0 ± 0	0 ± 0	3036.3 ± 5606.1	0 ± 0	1025.7 ± 3553
542.93938				0 ± 0	0 ± 0	2153.3 ± 7459.1	0 ± 0	1886.3 ± 6534.4	0 ± 0
577.02614				0 ± 0	0 ± 0	2189.9 ± 7586.1	0 ± 0	1836.2 ± 6360.7	0 ± 0
648.0004				0 ± 0	0 ± 0	1846.6 ± 6396.7	0 ± 0	0 ± 0	2168.7 ± 7512.5
695.11217				0 ± 0	0 ± 0	2140.8 ± 7416.1	0 ± 0	0 ± 0	1401.9 ± 4856.3
388.84545				0 ± 0	0 ± 0	1907.1 ± 6606.5	0 ± 0	1409.9 ± 4884	0 ± 0
317.96184				0 ± 0	1462.6 ± 5066.5	1726.8 ± 5981.9	0 ± 0	0 ± 0	0 ± 0
208.0189				0 ± 0	828.3 ± 2869.3	2124.9 ± 5243.9	0 ± 0	0 ± 0	0 ± 0
215.00072				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1506.3 ± 5218.1	1396.5 ± 4837.5
462.02911				0 ± 0	1308 ± 4530.9	0 ± 0	0 ± 0	0 ± 0	1457.1 ± 5047.4
270.04719	Diallate	C10H17Cl2NOS		0 ± 0	1398.7 ± 4845.3	0 ± 0	0 ± 0	0 ± 0	1318.9 ± 4568.8
406.41186				0 ± 0	0 ± 0	0 ± 0	0 ± 0	779.9 ± 2701.8	1824.4 ± 6319.8
155.04743	1-Chloro-3-(2-hydroxy	C5H11ClO3		0 ± 0	0 ± 0	0 ± 0	1571.7 ± 5444.5	978.6 ± 3390	0 ± 0
323.12463	Binapacryl	C15H18N2O6	Human exposome	0 ± 0	1353.2 ± 4687.5	929 ± 3218.1	0 ± 0	0 ± 0	0 ± 0
351.02248				0 ± 0	0 ± 0	0 ± 0	0 ± 0	1105.2 ± 3828.5	1035.4 ± 3586.8
108.02108				0 ± 0	0 ± 0	757 ± 2622.4	0 ± 0	593.4 ± 2055.5	0 ± 0
371.92723				1007.5 ± 3490.1	2015.8 ± 6982.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
242.11353				10272.9 ± 24005.9	3460.9 ± 11988.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
421.04059				10277.6 ± 35602.7	30665.6 ± 71691.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
238.11875	1,3-Bis(2-methyl-2-pr	C11H15N3O3		10304.7 ± 24327.8	26410.8 ± 34205.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
188.10444				10328.4 ± 15518.1	2334.9 ± 8088.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
275.12372	Glycyl tyrosine	C11H18N2O6		103374.6 ± 153820.7	0 ± 0	0 ± 0	15601.3 ± 54044.6	0 ± 0	0 ± 0
343.96573	4-Chloro-2-[[2,4-dichl	C14H8Cl3NO3	Human exposome/sec	10467.1 ± 36259.2	11890.2 ± 41188.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
221.11673	3-Hexenyl salicylic aci	C13H16O3	Human exposome	10641.2 ± 36862.1	6150.9 ± 21307.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
290.25815				10665.6 ± 20082.7	1377.5 ± 4771.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
213.12224				1100.6 ± 3812.4	0 ± 0	0 ± 0	1949.2 ± 4553.4	0 ± 0	0 ± 0
263.12293				110067.7 ± 200737.8	0 ± 0	0 ± 0	21305.6 ± 73804.6	0 ± 0	0 ± 0
181.13306	Rilmenidine	C10H16N2O	Human exposome	11131.6 ± 20968.7	19790.8 ± 15468.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
203.07667				11337.5 ± 10528.6	3689.1 ± 6822.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
239.11733	2-Phenyl-N-(pyridin-4	C15H14N2O		11426.9 ± 26694.3	9418 ± 22485.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
270.14887	Mepronil	C17H19NO2		11445.8 ± 39649.4	0 ± 0	0 ± 0	27668 ± 64633.8	0 ± 0	0 ± 0
396.1703	Ketanserin	C22H22FN3O3		115703 ± 108164.4	13362.8 ± 46290.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
244.13721				11796.1 ± 40863	14139.5 ± 33438.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
389.94123				1187.6 ± 4113.8	0 ± 0	0 ± 0	0 ± 0	2655.6 ± 6228.1	0 ± 0
356.12245				11934.3 ± 41341.5	27278.6 ± 63768.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
480.18255				11957.5 ± 41422.1	0 ± 0	0 ± 0	19636.3 ± 45975	0 ± 0	0 ± 0
283.12733	4,4,6-Trimethyl-1-[2-r	C17H18N2S		12048.3 ± 28310.1	0 ± 0	0 ± 0	12752.3 ± 29791.4	0 ± 0	0 ± 0
414.19595				12067.5 ± 41803	0 ± 0	0 ± 0	52915.7 ± 123588.7	0 ± 0	0 ± 0
277.09375				12106.7 ± 41938.8	0 ± 0	14654 ± 50762.9	0 ± 0	0 ± 0	0 ± 0
453.03887				12159.9 ± 42123.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0	6163.8 ± 21352.2
212.13191				12647.1 ± 29776.3	3397.3 ± 11768.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
266.18519	(5r)-5-(3-Aminopropyl	C14H23N3O2	Human exposome	12687.3 ± 43950.2	15168.8 ± 36265.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
272.13929				12736.8 ± 44121.6	15398.3 ± 35973.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
275.12289				128921.2 ± 211556.1	98821.5 ± 231335.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
247.11273				13039.1 ± 19649.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7701.7 ± 26679.4
255.94708				1311.7 ± 4543.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2361.1 ± 8179.2
277.15581	5-(4-Butoxyphenyl)-3-	C15H20N2O3	Human exposome	131392.6 ± 95040.1	34861 ± 63643.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
334.08985	N-[3-(1H-Tetrazol-5-yl	C15H10FN3N5O		13155 ± 45570.2	0 ± 0	0 ± 0	44897.4 ± 106441	0 ± 0	0 ± 0
229.15445				1317.7 ± 4564.5	0 ± 0	973.1 ± 3370.9	0 ± 0	0 ± 0	0 ± 0
343.14639	N-[2-[4-[4-Cyanophen	C19H22N2O2S		13293.4 ± 15243.5	0 ± 0	0 ± 0	28472.6 ± 18834.7	0 ± 0	0 ± 0
236.05071	1,3-Difluoro-5-(4-nitro	C12H7F2NO2		13481.7 ± 10385.8	0 ± 0	0 ± 0	2153 ± 5028.4	0 ± 0	0 ± 0
251.91921				1354.6 ± 4692.5	0 ± 0	1376.3 ± 4767.6	0 ± 0	0 ± 0	0 ± 0
253.17303				141158.7 ± 131629.9	26023.1 ± 90146.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
429.18242	Meroclorin A	C25H29ClO4	Human exposome	14786.1 ± 51220.6	0 ± 0	0 ± 0	16618.8 ± 57569.2	0 ± 0	0 ± 0
390.9774				1481.9 ± 5133.6	0 ± 0	3949.9 ± 9225.1	0 ± 0	0 ± 0	0 ± 0
230.94585				1500.1 ± 5196.4	0 ± 0	1605.2 ± 5560.7	0 ± 0	0 ± 0	0 ± 0
474.20539				15180.8 ± 52588	0 ± 0	0 ± 0	0 ± 0	36665.6 ± 85634.6	0 ± 0

183.17919					1534.8 ± 5316.7	5312.8 ± 12523.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0
212.11469	(4-Amino-1,2,5-oxadiazol-3-ylideneamino)acetic acid	C8H13N5O2		Human exposure	15368.5 ± 27809.2	2278.4 ± 7892.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
266.99559					1554.4 ± 5384.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2157.7 ± 7474.5
293.03878					1566.4 ± 5426.2	0 ± 0	1374.5 ± 4761.4	0 ± 0	0 ± 0	0 ± 0
228.08606	L-Arogenic acid	C10H13NO5		Human exposure	1599.9 ± 5542.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1061.9 ± 3678.7
307.01892					1612 ± 5584.2	0 ± 0	0 ± 0	1482.5 ± 5135.5	0 ± 0	0 ± 0
447.17758	Colletobredin D	C21H31ClO8		Human exposure	16156.8 ± 55968.8	0 ± 0	0 ± 0	10300.5 ± 35682.1	0 ± 0	0 ± 0
279.22506					1617 ± 5601.5	0 ± 0	1603.4 ± 5554.4	0 ± 0	0 ± 0	0 ± 0
350.98752					16305.8 ± 56485	0 ± 0	41505.7 ± 97127.9	0 ± 0	0 ± 0	0 ± 0
357.13645	bacillamide C	C18H20N4O2S		Human exposure	16315.8 ± 56519.7	0 ± 0	0 ± 0	12006.9 ± 41593.3	0 ± 0	0 ± 0
471.02833					1633.4 ± 5658.4	0 ± 0	0 ± 0	0 ± 0	3201.7 ± 11091	0 ± 0
288.19241					16622.6 ± 57582.4	0 ± 0	0 ± 0	17923.3 ± 62088.1	0 ± 0	0 ± 0
272.0537					16648.1 ± 57670.9	0 ± 0	0 ± 0	2165.9 ± 7502.7	0 ± 0	0 ± 0
248.11286	Malonylcarnitine	C10H17NO6		Bacterial origin	168116.4 ± 116142.6	0 ± 0	0 ± 0	67314.4 ± 51681.4	0 ± 0	0 ± 0
480.16834					169116.3 ± 147959	0 ± 0	0 ± 0	101790.2 ± 103449.6	0 ± 0	0 ± 0
319.10087					17196.2 ± 59569.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	13813.3 ± 32261.4
386.01073					17257.1 ± 47129.8	0 ± 0	0 ± 0	0 ± 0	34378.6 ± 119091	0 ± 0
332.13103					172727.3 ± 274698.1	0 ± 0	0 ± 0	152343.3 ± 212762.5	0 ± 0	0 ± 0
227.14277					1743.5 ± 6039.6	0 ± 0	17166.4 ± 16767.4	0 ± 0	0 ± 0	0 ± 0
274.03803	8-Nitropyrimido[4,5-b]pyridine	C11H7N5O2S			17772.4 ± 32376.5	0 ± 0	3099.5 ± 10737	0 ± 0	0 ± 0	0 ± 0
515.17039					1807 ± 6259.6	1365 ± 8192.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
271.96615					181339 ± 333362.1	0 ± 0	0 ± 0	46912.7 ± 162510.2	0 ± 0	0 ± 0
315.13355					1814.6 ± 6286	3412.7 ± 11822.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
400.34816					18864.1 ± 65347	38943.5 ± 91716.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
289.0076					1972.8 ± 6833.9	4134.9 ± 10482.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
175.08472					2035.7 ± 7051.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3732 ± 12927.9
309.13477					20621.4 ± 17972.5	5878.3 ± 8788.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
396.14514					20952.5 ± 72581.6	0 ± 0	3926.3 ± 13601.1	0 ± 0	0 ± 0	0 ± 0
308.30797					21014.1 ± 72795.1	0 ± 0	0 ± 0	10979.7 ± 38034.6	0 ± 0	0 ± 0
228.11224					2116 ± 7329.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3122.7 ± 10817.4
555.95229					2141.6 ± 7418.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2526.8 ± 8753
323.1131					2212.2 ± 7663.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2409.2 ± 8345.7
264.20759	Lisdexamfetamine	C15H25N3O			222183.2 ± 769665.3	27631.6 ± 95718.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
215.07244					22281.2 ± 38634.1	18330.6 ± 20693.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
272.92959					2239.1 ± 7756.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8157 ± 28256.8
424.3174					2262.1 ± 7836.2	0 ± 0	3426.4 ± 11869.3	0 ± 0	0 ± 0	0 ± 0
200.04262					2263 ± 7839.3	2464.9 ± 8538.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
228.29282					2351.3 ± 5584.1	1851 ± 6412	0 ± 0	0 ± 0	0 ± 0	0 ± 0
333.14451					2351.4 ± 8145.4	1437.7 ± 4980.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
406.95258					24342.7 ± 84325.6	0 ± 0	0 ± 0	30716.1 ± 72034	0 ± 0	0 ± 0
447.19418					2463.1 ± 8532.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0	11795.2 ± 40859.8
279.1325					24924.6 ± 58321.8	0 ± 0	0 ± 0	9774.2 ± 33858.7	0 ± 0	0 ± 0
211.10804	Aprobarbital	C10H14N2O3			2553 ± 8843.9	0 ± 0	2359.8 ± 8174.6	0 ± 0	0 ± 0	0 ± 0
260.05866	N-[(4-Methoxyphenyl)]-2-methyl-2-oxo-1,3-dioxane-5-carboxamide	C10H13NO5S			25568.1 ± 37944.6	2395.7 ± 8299.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
238.1117	3-(Cyclohexylamino)-2-methyl-2-oxo-1,3-dioxane-5-carboxamide	C9H19NO4S			2572.3 ± 8910.7	0 ± 0	0 ± 0	0 ± 0	1825.2 ± 6322.8	0 ± 0
266.2222					26014.7 ± 28089.6	0 ± 0	0 ± 0	1733.3 ± 6004.4	0 ± 0	0 ± 0
433.95667					26526.2 ± 21585.3	5524.2 ± 12905.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
221.09538					2702 ± 6361.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	7204.8 ± 17020
293.14595					27062.4 ± 49076.1	0 ± 0	0 ± 0	0 ± 0	2707.7 ± 9379.7	0 ± 0
217.07333					27221.9 ± 94299.4	48532.5 ± 113396.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
352.16305					27350.5 ± 65521.3	0 ± 0	0 ± 0	0 ± 0	16003.9 ± 55439.3	0 ± 0
557.09528					27420.8 ± 94988.6	0 ± 0	4832.1 ± 16739	0 ± 0	0 ± 0	0 ± 0
529.94842					2753 ± 9536.6	0 ± 0	2605.9 ± 9027	0 ± 0	0 ± 0	0 ± 0
245.06185					2756.1 ± 9547.5	5171.9 ± 17915.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
289.12551					28009.4 ± 32599.3	0 ± 0	0 ± 0	8944.4 ± 13270.5	0 ± 0	0 ± 0
227.10464	5-(1-Benzyl-1H-imidazol-2-yl)-1H-imidazole	C11H10N6			28937.8 ± 100243.6	249482 ± 169906	0 ± 0	0 ± 0	0 ± 0	0 ± 0
418.36732					29289.6 ± 43418.4	0 ± 0	5207.1 ± 18037.8	0 ± 0	0 ± 0	0 ± 0
540.2332	PS(18:4(6Z,9Z,12Z,15Z))	C24H40NO9P			2931.3 ± 10154.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2730.2 ± 9457.8
275.13383					29919.1 ± 103642.8	0 ± 0	0 ± 0	0 ± 0	0 ± 0	32374.5 ± 112148.5
390.15282	(3~(R),4~(R))-3-(hydroxymethyl)-2-methyl-2-oxo-1,3-dioxane-5-carboxamide	C20H23NO7			3056.1 ± 10586.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2677.1 ± 9273.9
253.01233					30591.5 ± 105972	7100.1 ± 24595.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0
255.13229					3101.9 ± 10745.2	3268 ± 11320.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
226.06759					31028.8 ± 56514.2	0 ± 0	0 ± 0	8284 ± 28696.5	0 ± 0	0 ± 0
259.12908					31117.4 ± 7338.6	0 ± 0	0 ± 0	1456.2 ± 5044.4	0 ± 0	0 ± 0
432.96435					31246.4 ± 108240.7	0 ± 0	0 ± 0	76100.5 ± 112885	0 ± 0	0 ± 0
657.31229	Riboflavin tetrabutryate	C33H44N4O10			31717 ± 74138.6	0 ± 0	23164.2 ± 80243.1	0 ± 0	0 ± 0	0 ± 0
264.11046	7,7,9,9-Tetramethyl-1H-imidazo[1,2-a]pyridine	C11H19N3O2		Human exposure	3198.65 ± 2816.3	0 ± 0	0 ± 0	1955.3 ± 6773.2	0 ± 0	0 ± 0
260.17626	Primaquine	C15H21N3O			32159.7 ± 75484.3	8102.3 ± 28067.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
316.91716					32263.8 ± 40648.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	9261.2 ± 32081.7
241.1004	1-[[[4-Methylphenyl]sulfonyl]amino]pyridine	C11H16N2O2S			3232.3 ± 11197.1	3571.8 ± 12373.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
236.17633					32427.5 ± 75746.8	0 ± 0	0 ± 0	0 ± 0	5801.1 ± 20095.6	0 ± 0
410.95876					32626.4 ± 53785.2	2655.3 ± 9198.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
197.16314					3287.5 ± 11388.2	0 ± 0	3486.3 ± 12077	0 ± 0	0 ± 0	0 ± 0
161.06952					3360 ± 11639.5	0 ± 0	0 ± 0	5558.2 ± 13334.2	0 ± 0	0 ± 0
363.11226					3362.6 ± 6104.9	1325.2 ± 4590.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
254.18353					3552.9 ± 12307.5	0 ± 0	0 ± 0	4296.5 ± 14883.6	0 ± 0	0 ± 0
221.01786					3555.8 ± 12317.6	0 ± 0	0 ± 0	0 ± 0	0 ± 0	3988.8 ± 9322.8
252.05654					3599.5 ± 8479.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0	1946.3 ± 6742.3
255.13162					36168 ± 20348.5	0 ± 0	0 ± 0	15969.7 ± 14297.6	0 ± 0	0 ± 0
530.22038					36316.2 ± 39396.3	0 ± 0	0 ± 0	24628.7 ± 27151.6	0 ± 0	0 ± 0
276.14633					36568 ± 126675.3	0 ± 0	0 ± 0	18607.2 ± 64457.3	0 ± 0	0 ± 0
246.07909					37036 ± 67547.5	10309.9 ± 35714.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
265.23118					3742.2 ± 12963.2	0 ± 0	0 ± 0	1900 ± 6581.9	0 ± 0	0 ± 0
407.2131					38499.4 ± 32912	14069 ± 15322.5	0 ± 0	0 ± 0	0 ± 0	0 ± 0
222.04606					38727.9 ± 134157.4	0 ± 0	113917.2 ± 394620.8	0 ± 0	0 ± 0	0 ± 0
276.1497					3989.1 ± 7261.6	0 ± 0	0 ± 0	1125.8 ± 3899.8	0 ± 0	0 ± 0
249.12003					4035.3 ± 13978.9	0 ± 0	0 ± 0	2486.5 ± 8613.6	0 ± 0	0 ± 0
251.11093					41059.5 ± 96428.5	0 ± 0	0 ± 0	15931.9 ± 55189.7	0 ± 0	0 ± 0
322.05109					4108.3 ± 9686.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	4373.6 ± 15150.6
515.18083					4111.3 ± 14242	0 ± 0	0 ± 0	0 ± 0	5311.9 ± 18400.9	0 ± 0
242.2823					415887.6 ± 583222.3	0 ± 0	0 ± 0	171378.5 ± 259560.5	0 ± 0	0 ± 0
262.0791					4177.1 ± 14469.8	2616.9 ± 9065.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
279.14804					4222.6 ± 14627.4	8480.5 ± 29377.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
174.09111	Pyroquilon	C11H11NO		Human exposure	4283.2 ± 14837.4	0 ± 0	3132.2 ± 10850.2	0 ± 0	0 ± 0	0 ± 0
320.12642					4303.9 ± 10641.9	0 ± 0	0 ± 0	2905.2 ± 10064	0 ± 0	0 ± 0
172.06018	(5)-2,3,4,5-tetrahydro-1H-imidazo[4,5-b]pyridine	C7H9NO4		Human exposure	44393.2 ± 103861	0 ± 0	0 ± 0	0 ± 0	7506.2 ± 26002.3	0 ± 0
213.08791	Chloramphenicol base	C9H12N2O4		Human exposure	4503.5 ± 8346.8	4785.8 ± 11196.1	0 ± 0	0 ± 0	0 ± 0	0 ± 0
411.0672					4507 ± 15612.5	0 ± 0	1948.7 ± 6750.4	0 ± 0	0 ± 0	0 ± 0
252.20739	1-(4-amino-1H-imidazol-2-yl)-1H-imidazole	C14H25N3O		Human exposure	4555.7 ± 15781.6	0 ± 0	8992.9 ± 21168.7	0 ± 0	0 ± 0	0 ± 0
294.08965					4672 ± 16184.4	4742.1 ± 16427.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
309.14317					4749 ± 16450.9	4317.2 ± 14955.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
271.10334					4987 ± 17275.4	0 ± 0	0 ± 0	3561.5 ± 12337.4	0 ± 0	0 ± 0
130.08684					5118.4 ± 17730.6	0 ± 0	12251 ± 31258.6	0 ± 0	0 ± 0	0 ± 0
346.11106					5143.5 ± 7993.1	0 ± 0	0 ± 0	1025.9 ± 3553.9	0 ± 0	0 ± 0
350.98255					521946.3 ± 341574.8	0 ± 0	0 ± 0	39686 ± 93419.5	0 ± 0	0 ± 0
355.12					5312.9 ± 13018.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2965.4 ± 10272.4
164.1066	n-Propylbenzamide	C10H13NO			53297.9 ± 84298.1	0 ± 0	0 ± 0	28086		

278.06256					5752.5 ± 19927.2	0 ± 0	6736.1 ± 16277.8	0 ± 0	0 ± 0	0 ± 0
252.24406					5764.6 ± 11038.8	0 ± 0	0 ± 0	0 ± 0	2005.2 ± 6946.3	0 ± 0
309.11322	Warfarin	C19H16O4		Human exposure	57705.8 ± 119530.7	13641.8 ± 32439.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
405.16655					58084.4 ± 105667.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0	8171.2 ± 28305.8
259.07012	Thalidomide	C13H10N2O4		Human exposure	5837.6 ± 20222.1	9418 ± 22970.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
524.07119					5902 ± 20445.3	0 ± 0	11430.8 ± 39597.5	0 ± 0	0 ± 0	0 ± 0
238.15449					5943.8 ± 20589.9	0 ± 0	0 ± 0	0 ± 0	3236.1 ± 11210.1	0 ± 0
160.07602	Indoleacetaldehyde	C10H9NO		Human exposure	6152.2 ± 9142.5	0 ± 0	0 ± 0	0 ± 0	1385.4 ± 4799.3	0 ± 0
305.08419					6174.2 ± 21387.9	0 ± 0	0 ± 0	29432 ± 44264.6	0 ± 0	0 ± 0
193.15807	alpha-Ionone	C13H20O			6568.7 ± 22754.5	2539.6 ± 8797.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
339.06877					65809.9 ± 98837.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0	2018.9 ± 6993.8
337.12515					66101.6 ± 228982.7	21832.3 ± 75629.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
299.09783					6656 ± 23057.1	0 ± 0	0 ± 0	38618.1 ± 49744.6	0 ± 0	0 ± 0
335.11476					6707.7 ± 23236.3	0 ± 0	0 ± 0	10099.1 ± 23779.7	0 ± 0	0 ± 0
228.10432	N-Ethyl-2,4,6-trimethyl	C11H17NO2S			6722.5 ± 23287.6	3489.7 ± 12088.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
291.0993					6831.1 ± 23663.5	0 ± 0	0 ± 0	0 ± 0	29958.8 ± 103780.3	0 ± 0
198.14886	2-Ethylhexyl cyanoace	C11H19NO2		Human exposure	7163.4 ± 24814.8	34247.3 ± 67353.2	0 ± 0	0 ± 0	0 ± 0	0 ± 0
418.96872					7207.1 ± 16973	4945.8 ± 17132.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
270.13415	(2S)-2-[(2,4,6-trimethyl	C13H19NO5		Human exposure	72623.4 ± 81196	0 ± 0	0 ± 0	14738.1 ± 51054.1	0 ± 0	0 ± 0
238.04532	4-(Chloromethyl)-2-(4	C12H12ClN5			734.9 ± 2545.7	0 ± 0	0 ± 0	521.2 ± 1805.5	0 ± 0	0 ± 0
438.16272					749538 ± 197975.1	0 ± 0	0 ± 0	285514.7 ± 123316.4	0 ± 0	0 ± 0
268.14759					7950.3 ± 27540.6	0 ± 0	0 ± 0	34403.9 ± 119178.7	0 ± 0	0 ± 0
188.08736					7987.6 ± 19928.5	4289.7 ± 14859.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
103.03934	2-Ketobutyric acid	C4H6O3		Bacterial origin	816.5 ± 2828.6	774 ± 2681.3	0 ± 0	0 ± 0	0 ± 0	0 ± 0
222.04676					8222 ± 12258.2	0 ± 0	0 ± 0	5162.7 ± 7651.9	0 ± 0	0 ± 0
267.08682	2,4,6-trihydroxy-5-(3-	C13H14O6		Human exposure	8282.8 ± 28692.3	0 ± 0	0 ± 0	0 ± 0	2059.5 ± 7134.4	0 ± 0
251.15186					84465.7 ± 124757.1	4642.4 ± 16081.9	0 ± 0	0 ± 0	0 ± 0	0 ± 0
249.08805					8654.4 ± 21367.2	0 ± 0	5286.8 ± 18314	0 ± 0	0 ± 0	0 ± 0
201.09331					877.9 ± 3041.1	0 ± 0	0 ± 0	0 ± 0	1067.5 ± 3698	0 ± 0
278.99332					882 ± 3055.3	1177.9 ± 4080.4	0 ± 0	0 ± 0	0 ± 0	0 ± 0
281.98121					914.8 ± 3169	0 ± 0	0 ± 0	0 ± 0	1802.9 ± 6245.6	0 ± 0
202.06923					9233.5 ± 11760.8	0 ± 0	0 ± 0	2491.4 ± 5890.3	0 ± 0	0 ± 0
263.1742	Cropropamide	C13H24N2O2		Human exposure	9245.6 ± 30227.9	0 ± 0	0 ± 0	56620.5 ± 72952.9	0 ± 0	0 ± 0
212.23694					939.6 ± 3254.9	4206.7 ± 10084.7	0 ± 0	0 ± 0	0 ± 0	0 ± 0
229.11821	Pyroglutamylvaline	C10H16N2O4			94021.8 ± 222068.4	0 ± 0	0 ± 0	106408.9 ± 193704	0 ± 0	0 ± 0
240.08311					9541.1 ± 19895.3	0 ± 0	0 ± 0	1658.7 ± 5745.9	0 ± 0	0 ± 0
271.07552					978.9 ± 3391.1	0 ± 0	2893 ± 6864.1	0 ± 0	0 ± 0	0 ± 0
575.09334					9931.1 ± 34402.3	0 ± 0	11491.1 ± 39806.3	0 ± 0	0 ± 0	0 ± 0
347.19608					0 ± 0	0 ± 0	0 ± 0	4545818.2 ± 1964567.2	2305461 ± 1302386.5	2844152.6 ± 1573391.3
391.18639	1H-Benzimidazole, 2-	C19H21F3N6			0 ± 0	0 ± 0	0 ± 0	3953331.4 ± 1048118.4	2023861 ± 1054964.7	2249305 ± 873841.6
267.16975	Atenolol	C14H22N2O3			0 ± 0	0 ± 0	0 ± 0	6336899.1 ± 1173116.5	898267.2 ± 395439.1	309087.6 ± 337820.5
339.13086					0 ± 0	0 ± 0	0 ± 0	842190.6 ± 503953.9	894995.9 ± 545284.2	1702917 ± 1004420
269.18559					0 ± 0	0 ± 0	0 ± 0	2720583.2 ± 973220	493924.9 ± 299261.5	379035.2 ± 102035.9
309.18047					0 ± 0	0 ± 0	0 ± 0	1407886.2 ± 387973.8	890382.6 ± 445076.6	297340.8 ± 225145.9
285.15976					0 ± 0	0 ± 0	0 ± 0	19216.5 ± 66567.8	46495.1 ± 108851.8	25300.1 ± 87642.3
386.00824					0 ± 0	0 ± 0	10972.4 ± 38009.4	13621.6 ± 31868.8	44044.3 ± 119687	0 ± 0
301.15392	Bifenazate	C17H20N2O3			0 ± 0	0 ± 0	0 ± 0	518454 ± 101592	627416.6 ± 252389.7	963213.8 ± 217943.1
375.19076	(1S,2S,4S,7S,8S,9S,12S	C20H26N2O5		Human exposure	0 ± 0	0 ± 0	0 ± 0	842034.3 ± 301013.7	447740 ± 239588.7	534556.7 ± 274979.8
279.16976					0 ± 0	0 ± 0	0 ± 0	310593.1 ± 248758.1	52906.5 ± 82823	29193.6 ± 45433.3
287.17507	10-alpha-methoxy-9,1	C17H22N2O2			0 ± 0	0 ± 0	0 ± 0	633870.3 ± 654429.7	387629.9 ± 468541	462014.7 ± 637008.6
235.14339	Lenacil	C13H18N2O2		Human exposure	0 ± 0	0 ± 0	0 ± 0	865078.1 ± 189082	429549.9 ± 324909.7	289554.3 ± 311845.1
416.19048					0 ± 0	0 ± 0	65448.8 ± 119219.3	0 ± 0	16244.8 ± 56273.5	47253.2 ± 110466
313.21207	Oseltamivir	C16H28N2O4		Human exposure	0 ± 0	0 ± 0	0 ± 0	830477.6 ± 603989.8	179569.6 ± 266616.5	272109 ± 262372.8
534.17869	Burkholderia A	C22H35N3O6S3			0 ± 0	0 ± 0	40674 ± 95627.7	0 ± 0	39152.2 ± 94391.8	72167.6 ± 108239.4
329.20717					0 ± 0	0 ± 0	0 ± 0	932591.5 ± 388982.9	480194.5 ± 261141.3	413648.6 ± 244186.6
154.08598	Dopamine	C8H11NO2		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	601415.3 ± 179355.8	251843.3 ± 133319.9	217958 ± 93664.2
229.03045	Ethyl 4-(acetylthio)but	C8H14O3S			0 ± 0	0 ± 0	23646.9 ± 81915.4	31452.3 ± 108953.9	0 ± 0	30119.6 ± 104337.4
338.14289					0 ± 0	29673.5 ± 72724.9	80194.6 ± 107675	0 ± 0	22776 ± 77166.4	0 ± 0
609.11307	Asterigluconine J	C34H35ClN2O5			0 ± 0	60829.6 ± 119813.7	0 ± 0	10794.8 ± 37394.3	59087.4 ± 141101.1	0 ± 0
271.25827	Benthophoenin	C37H42N2O4		Human exposure	0 ± 0	0 ± 0	0 ± 0	45537.7 ± 59512.6	0 ± 0	8054.1 ± 27900.4
357.18028					0 ± 0	0 ± 0	0 ± 0	606485.2 ± 297589.8	124135.8 ± 201519.2	233196 ± 228730.6
367.2228	4-(3-Adamantan-1-yl)-	C19H30N2O5			0 ± 0	0 ± 0	0 ± 0	77912.7 ± 182139.2	196400.2 ± 236450.8	366770 ± 354680.8
215.12955					0 ± 0	0 ± 0	0 ± 0	3206.5 ± 11107.0	4351.2 ± 15073	10495.7 ± 36358.2
399.27643					0 ± 0	0 ± 0	0 ± 0	145785.5 ± 60471.8	90619 ± 58794.3	108845.9 ± 86732.8
294.19619	Amitraz	C19H23N3			0 ± 0	0 ± 0	0 ± 0	256583.5 ± 125569	127699.6 ± 113609.6	242306.2 ± 230041.9
283.12686	4,4,6-Trimethyl-1-(2-	C17H18N2S			0 ± 0	0 ± 0	196996.9 ± 115988.3	0 ± 0	12611.9 ± 43688.9	133585.7 ± 123066.6
606.25194					0 ± 0	0 ± 0	43519 ± 102049.3	0 ± 0	15089.9 ± 35648.3	56049 ± 107115.2
225.14032					0 ± 0	0 ± 0	5180.6 ± 17946.2	54527.9 ± 67829.4	31660.4 ± 57283.6	0 ± 0
432.01055					0 ± 0	0 ± 0	25075.4 ± 57019.1	0 ± 0	8745.3 ± 30294.5	4349.3 ± 15066.6
505.00135	Pestalote H	C21H20BrClO6			0 ± 0	7125.1 ± 24682.1	31078.7 ± 75892.7	0 ± 0	0 ± 0	13622 ± 32677.7
299.13897					0 ± 0	8993.9 ± 31155.6	0 ± 0	0 ± 0	27793.8 ± 52360.8	192322.5 ± 102882.9
148.11168	3-Methyl-3-phenylaze	C10H13N			0 ± 0	0 ± 0	0 ± 0	151692.1 ± 36574.8	92859.7 ± 39755.8	94438.6 ± 24094.6
331.14793					0 ± 0	0 ± 0	0 ± 0	195196.2 ± 154784.7	88575 ± 121996.2	83758.3 ± 153564.2
249.0712					0 ± 0	0 ± 0	24157.1 ± 61385.7	0 ± 0	7802 ± 27027	10997.6 ± 25685.1
497.99264					0 ± 0	58648.1 ± 137162.5	92078.1 ± 177067.3	0 ± 0	0 ± 0	36023.1 ± 67688.8
435.27368	VLADIMULECIN A	C25H38O6		Human exposure	0 ± 0	0 ± 0	0 ± 0	9694.2 ± 33581.6	67749.2 ± 94880.7	22714.2 ± 235455.9
345.16596					0 ± 0	0 ± 0	0 ± 0	72738.4 ± 116371.2	23900.5 ± 49529.3	85772.4 ± 127911.3
258.07791					0 ± 0	0 ± 0	0 ± 0	18222 ± 33435.2	70004.9 ± 62100.6	131767.9 ± 59907.1
242.11711					0 ± 0	0 ± 0	0 ± 0	27208.6 ± 50684.9	65183.1 ± 69163.7	119353.4 ± 125836.2
257.16502					0 ± 0	0 ± 0	0 ± 0	11096.5 ± 38439.3	10551.2 ± 36550.3	77329.8 ± 141086.5
497.20473	PA(20:4[5Z,8Z,11Z,14Z	C23H39O7P			0 ± 0	0 ± 0	112497.5 ± 95454	0 ± 0	3368.3 ± 11668.2	97118.8 ± 81915.5
272.06728					0 ± 0	10565.2 ± 19412.7	0 ± 0	0 ± 0	4169.1 ± 14442	4841.8 ± 11371.2
291.15791					0 ± 0	0 ± 0	105531.4 ± 178938.8	55984.2 ± 133507.8	37042.9 ± 72819.6	0 ± 0
345.15414	8-Epiindotrial glucosid	C16H24O8			0 ± 0	0 ± 0	3279.6 ± 11361	113853.4 ± 154520.8	64799.1 ± 85298.3	0 ± 0
349.1091					0 ± 0	35314.6 ± 64080	11264 ± 39019.6	0 ± 0	0 ± 0	9840.4 ± 34088.3
262.09021					0 ± 0	27713.3 ± 41242.4	0 ± 0	48520 ± 51333.4	3317.6 ± 11492.6	0 ± 0
409.20184	6-beta-hydroxydexam	C22H29FO6			0 ± 0	0 ± 0	49187.7 ± 97867.5	0 ± 0	6096.3 ± 21118.1	28795.6 ± 67260.8
264.1349					0 ± 0	0 ± 0	6411 ± 22208.3	0 ± 0	20420.8 ± 70739.7	55489.9 ± 130813
258.19712					0 ± 0	25883.2 ± 38579.5	0 ± 0	0 ± 0	12485.2 ± 31483.6	17426.4 ± 31969.7
210.06278					0 ± 0	0 ± 0	0 ± 0	8500.7 ± 20542.8	9514.9 ± 32960.6	23802.6 ± 48065
241.23777					0 ± 0	8767.2 ± 13464.8	60770.4 ± 18605.6	0 ± 0	0 ± 0	12059.3 ± 13208.8
279.12054					0 ± 0	49927.8 ± 74060.6	29939 ± 70183.8	0 ± 0	0 ± 0	29696.8 ± 58264.3
268.02801					0 ± 0	4005.6 ± 13875.8	0 ± 0	3276.7 ± 7655.6	3064.5 ± 10615.8	0 ± 0
409.1515					0 ± 0	30690.4 ± 106314.6	21561.9 ± 74692.5	0 ± 0	0 ± 0	17127 ± 59329.7
490.92312					0 ± 0	13590.8 ± 47079.8	6344.4 ± 21977.5	0 ± 0	0 ± 0	5866.8 ± 20323.2
446.88657					0 ± 0	0 ± 0	0 ± 0	15866.4 ± 43024.2	4867.2 ± 16860.4	37103.7 ± 93018
190.12273					0 ± 0	0 ± 0	0 ± 0	22796.2 ± 18466.4	8056.3 ± 11967.9	6786.3 ± 10499.6
251.07245	Methyl 5-[(4-fluoroph	C13H11FO4			0 ± 0	0 ± 0	10306.1 ± 24070.1	0 ± 0	1667 ± 5774.5	4870.4 ± 16871.6
322										

401.29099	ascr#27	C2H4A006		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	1945211.3 ± 1030313.6	1352407.8 ± 887630.3	2106494.5 ± 1478578.1
277.11339					0 ± 0	6505.2 ± 11857.6	13076.1 ± 19914.9	0 ± 0	0 ± 0	2550.8 ± 8836.1
337.11634					0 ± 0	0 ± 0	0 ± 0	100429 ± 50020.4	36205.8 ± 58743.8	110383 ± 106768.3
328.06393					0 ± 0	2995.9 ± 7035.6	3173.8 ± 7505.5	0 ± 0	0 ± 0	1397.8 ± 4842.1
391.18609	1H-Benzimidazole, 2-	C19H21F3N6			0 ± 0	0 ± 0	0 ± 0	654887.8 ± 310401.1	168851.4 ± 207644.1	66429.2 ± 122190.1
269.12284					0 ± 0	0 ± 0	0 ± 0	71680.6 ± 93440.1	199461.1 ± 130495.1	318084.1 ± 107104.5
370.031					0 ± 0	10085.3 ± 34936.4	11276 ± 39061.2	0 ± 0	0 ± 0	9492.9 ± 32884.2
370.03536					0 ± 0	0 ± 0	12125.1 ± 29617.5	0 ± 0	2811.1 ± 9737.8	6175.5 ± 14615.7
191.07641					0 ± 0	3076 ± 7543.3	4314.7 ± 11393.4	0 ± 0	0 ± 0	4118.1 ± 10004.4
180.09985					0 ± 0	0 ± 0	0 ± 0	30964.8 ± 33973.9	28519 ± 18832.9	30975.5 ± 14837.4
163.12318	[L]-Nicotine pestanal	C10H14N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	32144 ± 20391.1	42023 ± 37042.1	77184 ± 59008
163.12257	[L]-Nicotine pestanal	C10H14N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	9970.3 ± 10586.9	18357.9 ± 16684.5	25874.4 ± 27379.7
163.12318	[L]-Nicotine pestanal	C10H14N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	2328.6 ± 5438.7	6509.8 ± 10029.3	7573.3 ± 14135.7
275.13362	N-[3-(1H-Imidazol-1-yl	C14H18N4S			0 ± 0	6743.2 ± 23359.1	15448.6 ± 53515.6	0 ± 0	0 ± 0	20463.8 ± 50463.1
247.14355					0 ± 0	0 ± 0	23153.2 ± 36763.2	218472.9 ± 198525.8	0 ± 0	14585.5 ± 34735.7
255.05919	1,2-Dihydro-3-phenyl-	C14H10N2O5			0 ± 0	8518.7 ± 13195.4	14570.3 ± 14078.5	0 ± 0	0 ± 0	3813.9 ± 9073.5
277.15226	Glutarylcarbamate	C12H22NO6		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	6268.3 ± 14640.2	18336.5 ± 34187.8	65621.5 ± 83360.5
255.10575					0 ± 0	0 ± 0	12456 ± 18667.4	0 ± 0	5512.7 ± 10069.9	17649.7 ± 19826
261.11889	L-Ala-Gly-Gly-Gly	C9H16N4O5		Bacterial origin	0 ± 0	0 ± 0	3608.8 ± 12501.3	2004.4 ± 6943.4	0 ± 0	3960.3 ± 13719
261.11866					0 ± 0	0 ± 0	4036.5 ± 7363	0 ± 0	1050.4 ± 3638.7	1258.4 ± 4359.3
261.11925	L-Ala-Gly-Gly-Gly	C9H16N4O5		Bacterial origin	0 ± 0	993.4 ± 3441.1	1595.4 ± 5526.7	0 ± 0	0 ± 0	1927.2 ± 6675.9
321.14861	Hildgarditene	C21H20O3			0 ± 0	0 ± 0	0 ± 0	183808.8 ± 180370	89123.5 ± 148732.7	21462.7 ± 74349
301.15453	Bifenazate	C17H20N2O3			0 ± 0	0 ± 0	0 ± 0	25534.1 ± 46594.5	44177.4 ± 68124	87872.3 ± 109994.8
294.01049					0 ± 0	10567.4 ± 36606.6	82593.5 ± 97268.2	0 ± 0	0 ± 0	55903.3 ± 112430.4
252.14814					0 ± 0	0 ± 0	2915 ± 10097.9	103834.2 ± 244609	0 ± 0	50341.5 ± 174388.2
327.25371	8-methoxy-13-hydroxy	C19H34O4			0 ± 0	0 ± 0	0 ± 0	3703.7 ± 12830.1	28126.3 ± 43577.8	142216.1 ± 171761.5
388.04478	2-(3-Bromophenyl)-4-	C21H14BrN3			0 ± 0	63150.8 ± 175555.8	67913.1 ± 184350	0 ± 0	0 ± 0	121675.4 ± 301421.4
193.13361	Tocainide	C11H16N2O			0 ± 0	0 ± 0	0 ± 0	5000 ± 17320.6	26861.4 ± 49538.2	31844 ± 48071.8
234.01841	6-(Trifluoromethyl)-2H	C9H6F3NO5			0 ± 0	37156.9 ± 128715.2	2193.5 ± 5162.6	0 ± 0	35106.4 ± 121612	34559 ± 92105.7
210.1957					0 ± 0	9320.9 ± 21021.6	0 ± 0	0 ± 0	1742.3 ± 6035.3	0 ± 0
266.11057					0 ± 0	0 ± 0	5922 ± 20514.5	2091.1 ± 7243.8	0 ± 0	13153 ± 24815.7
396.98761					0 ± 0	18129.4 ± 42492.3	27504 ± 95276.6	0 ± 0	0 ± 0	16241.3 ± 56261.2
329.26763	MG[0:0/16:1[92]/0:0]	C19H36O4			0 ± 0	0 ± 0	1356.8 ± 4700.2	0 ± 0	2262.5 ± 7837.5	2778.9 ± 9626.4
444.18396	Gougerotin	C16H25N7O8			0 ± 0	0 ± 0	82413.2 ± 151826	0 ± 0	59280.2 ± 162428.9	34623.2 ± 119938.4
293.08638	5-Benzyl-4,5-dihydro-	C16H12N4S			0 ± 0	48866.1 ± 74303.2	14530.7 ± 34416.6	0 ± 0	0 ± 0	9033.3 ± 31292.2
165.13846	N,N,N',N'-Tetramethyl	C10H16N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	40082.1 ± 16362.1	39903.3 ± 34302.1	37013.5 ± 30547.7
335.01314					0 ± 0	61215.6 ± 142982.7	88367.2 ± 208184.2	0 ± 0	0 ± 0	51517.4 ± 129027.8
493.20221					0 ± 0	4458.3 ± 15444	6342.6 ± 21971.4	0 ± 0	0 ± 0	3862.3 ± 13379.3
327.96651					0 ± 0	1377.1 ± 4770.6	1403.8 ± 4863.1	0 ± 0	2729.1 ± 9453.9	0 ± 0
431.09974					0 ± 0	0 ± 0	2939.6 ± 10182.9	0 ± 0	1456.9 ± 5046.8	12569 ± 23541.6
373.16554	Tetrahydrocurcumin	C21H24O6		Human exposome	0 ± 0	0 ± 0	0 ± 0	160548.6 ± 176369.9	149452.3 ± 137696.8	47664.9 ± 83555.4
453.1607	Salpha-Androstan-3al	C19H32O8S2			0 ± 0	0 ± 0	0 ± 0	35597.3 ± 56339.5	100968.8 ± 92944.3	192733.5 ± 149250.4
291.14043					0 ± 0	23281.6 ± 80649.9	21085.5 ± 73042.3	0 ± 0	0 ± 0	24411.5 ± 84563.8
209.09993					0 ± 0	2889.4 ± 10009.1	1390 ± 4815	0 ± 0	1881.2 ± 6516.7	0 ± 0
226.08373	(S)-2-Amino-7-phosph	C7H16NO5P		Human exposome	0 ± 0	13825.8 ± 47894.1	0 ± 0	0 ± 0	45234.5 ± 85721.8	155200.5 ± 170816.1
429.20909					0 ± 0	40945.7 ± 141840	156866 ± 367712	0 ± 0	0 ± 0	140525 ± 339302.9
453.21034					0 ± 0	3192.4 ± 7460.3	2880.6 ± 9978.6	0 ± 0	4038.2 ± 10233.6	0 ± 0
179.15401	1,4-Benzenediamine,	C11H18N2		Human exposome	0 ± 0	0 ± 0	0 ± 0	48402.7 ± 18590.1	30272.4 ± 13168.1	38277.2 ± 9591
184.09727	Normetanephrine	C9H13NO3			0 ± 0	0 ± 0	0 ± 0	1978.2 ± 6852.5	7236.3 ± 16967.1	4414 ± 15290.5
184.09622					0 ± 0	0 ± 0	0 ± 0	1432.9 ± 4963.8	6075.6 ± 11154.8	4068.7 ± 9839.4
262.09557					0 ± 0	0 ± 0	3620.9 ± 12543.1	2890.4 ± 10012.7	1677.1 ± 5809.7	0 ± 0
364.08589					0 ± 0	0 ± 0	25189.8 ± 63984.4	17128.8 ± 59335.7	2312.1 ± 8009.3	0 ± 0
370.13278					0 ± 0	0 ± 0	0 ± 0	8029.5 ± 18790.8	6345.2 ± 21980.3	13173.6 ± 30847.3
329.13304					0 ± 0	0 ± 0	0 ± 0	20210.2 ± 47204.6	10287.4 ± 35636.6	13306.9 ± 46096.6
154.08652					0 ± 0	0 ± 0	0 ± 0	104996.2 ± 18495.1	62117.9 ± 27358.4	53085.5 ± 17918.2
241.11607					0 ± 0	0 ± 0	3128.5 ± 10837.5	32895.6 ± 41596.6	2312.8 ± 8011.9	0 ± 0
227.10067					0 ± 0	0 ± 0	26192.8 ± 24743	0 ± 0	5229.7 ± 12354.3	12959 ± 16359.2
353.12457					0 ± 0	40401.2 ± 73877.4	9409.7 ± 32596.2	0 ± 0	35192.5 ± 92217.4	0 ± 0
177.13854	3-Methyl-4-pyrrolidin-	C11H16N2			0 ± 0	0 ± 0	0 ± 0	22206.1 ± 8058.5	10746.1 ± 9987.9	8368.4 ± 10405.7
381.17133	Ecabet	C20H28O5S			0 ± 0	0 ± 0	0 ± 0	23676.4 ± 82017.3	26129.7 ± 90515.9	168813.9 ± 287477.3
221.16503					0 ± 0	0 ± 0	0 ± 0	7650.5 ± 11617	8241.5 ± 15389.9	1296.9 ± 4492.7
254.11083					0 ± 0	1453.3 ± 5034.3	3381.8 ± 11714.9	0 ± 0	0 ± 0	4426.2 ± 10340.2
258.1517					0 ± 0	0 ± 0	32036.6 ± 48950.5	8450.2 ± 29272.3	17756.9 ± 41532.9	0 ± 0
231.07189	2-(2,6-Difluorophenyl)	C13H8F2N2			0 ± 0	0 ± 0	2524.2 ± 5916.5	0 ± 0	1012.8 ± 3508.3	1327.3 ± 4597.8
270.04442	N-(3-Chloro-4-fluorop	C11H9ClFN3O2			0 ± 0	1428.1 ± 4947.2	3634.3 ± 8488.7	0 ± 0	0 ± 0	3125.4 ± 7362.6
199.0573	[E]-2-(hexa-3,5-dien-3	C13H10S		Human exposome	0 ± 0	690.3 ± 2391.2	0 ± 0	2536.8 ± 5967.9	1062.6 ± 3681.1	0 ± 0
557.18291					0 ± 0	37585.3 ± 92085.4	81236.9 ± 148652.1	0 ± 0	0 ± 0	21460 ± 74339.5
263.10386	2-(5-benzyl-3,6-dioxo	C13H14N2O4		Human exposome	0 ± 0	8663.7 ± 30011.9	2704.9 ± 9370	0 ± 0	1906.1 ± 6602.9	0 ± 0
225.20509					0 ± 0	9705.5 ± 22667.1	55134.4 ± 46362.8	0 ± 0	0 ± 0	10081 ± 26506.8
302.18591					0 ± 0	28618.4 ± 99137	0 ± 0	97954.7 ± 244227.3	49368.9 ± 171018.9	0 ± 0
236.09967					0 ± 0	2580 ± 8937.3	0 ± 0	1236.2 ± 4282.2	0 ± 0	3045 ± 7114.1
256.08847	2-Fluoro-N-(1H-indaz	C14H10FN3O			0 ± 0	2278.4 ± 7892.5	2202.5 ± 7629.6	0 ± 0	0 ± 0	4880.3 ± 16905.8
513.23504	gibberellin A2 O-beta	C25H36O11			0 ± 0	103542.6 ± 160913.7	0 ± 0	18837.2 ± 65254	40947.9 ± 95651.6	0 ± 0
226.08					0 ± 0	1859.9 ± 6442.9	14764.5 ± 16214.3	0 ± 0	0 ± 0	3968.3 ± 9277.5
232.08362					0 ± 0	0 ± 0	7484.4 ± 19538.6	0 ± 0	5816 ± 20147.3	4910 ± 17008.7
349.97624					0 ± 0	4224 ± 9913.1	4164.1 ± 9953.6	0 ± 0	0 ± 0	4649.5 ± 8501.3
299.13969	Bifenazate-diazene	C17H18N2O3		Human exposome	0 ± 0	0 ± 0	0 ± 0	20859.1 ± 7225.8	22029.4 ± 76312	27816.6 ± 96359.6
191.11833	5-Methoxytryptamine	C11H14N2O			0 ± 0	0 ± 0	0 ± 0	2432.7 ± 8427.1	9783 ± 18081	10413.8 ± 18896.4
433.24203					0 ± 0	16941.5 ± 40210.6	0 ± 0	0 ± 0	1850.3 ± 6409.5	5717.8 ± 19807
194.12903	2-(2,6-Dimethylanilin	C10H15N3O		Human exposome	0 ± 0	25644.9 ± 38157	47199.9 ± 25712.8	0 ± 0	5967.9 ± 20673.4	0 ± 0
180.1018					0 ± 0	0 ± 0	24780.8 ± 26637.4	4529.8 ± 11350.2	2333.7 ± 8084.3	0 ± 0
251.05237					0 ± 0	0 ± 0	2456.4 ± 8509.2	6076.6 ± 14301.6	0 ± 0	5494.3 ± 12872.3
269.06303	DL-Homocystine	C8H16N2O4S2			0 ± 0	0 ± 0	6075 ± 15180.1	0 ± 0	1629.5 ± 5644.9	6405.3 ± 15967.4
361.11336	3-Methoxy-4-hydroxy	C15H20O10		Human exposome	0 ± 0	0 ± 0	0 ± 0	7517.6 ± 14813.7	23382.2 ± 33924.9	45922 ± 60991.4
266.10365					0 ± 0	4608.2 ± 15963.4	0 ± 0	0 ± 0	15176.1 ± 28706	7273.2 ± 25195
604.27902					0 ± 0	11780.7 ± 40809.6	0 ± 0	0 ± 0	2406.6 ± 8336.8	6740.5 ± 23349.6
257.16436					0 ± 0	36499 ± 86318.6	23278.2 ± 42456.2	0 ± 0	0 ± 0	9412.9 ± 32607.3
243.16976					0 ± 0	18158.4 ± 62902.4	0 ± 0	0 ± 0	21859.4 ± 75723	15476.8 ± 53613.2
361.11245	3-Methoxy-4-hydroxy	C15H20O10		Human exposome	0 ± 0	0 ± 0	0 ± 0	4085.3 ± 14151.8	23416.7 ± 37319.6	9967.5 ± 34528.4
244.10083	N-(3-oxo-heptanoyl)-H	C11H17NO3S		Bacterial origin	0 ± 0	1732.4 ± 6001.3	1855.9 ± 6428.9	0 ± 0	0 ± 0	3059.4 ± 7309.2
302.10937					0 ± 0	0 ± 0	25873.2 ± 60429.1	0 ± 0	6913.4 ± 23948.7	41811.7 ± 51827.3
552.22422					0 ± 0	36520.1 ± 85504.6	36230.7 ± 85275	0 ± 0	0 ± 0	31846.8 ± 75824.7
381.11576					0 ± 0	0 ± 0	24695 ± 85546	0 ± 0	7538.1 ± 26112.6	38237.7 ± 89497.6
341.26926	15S-HpEDE	C20H36O4		Human exposome	0 ± 0	0 ± 0	0 ± 0	16050.6 ± 33835.1	13777.7 ± 26638.3	32240.9 ± 62728.7
325.92501					0 ± 0	861 ± 2982.6	0 ± 0	0		

567.2625	3,4,5-trimethoxy-N-[N	C3H34N4O5		Human exposome	0 ± 0	4002.6 ± 13865.5	49170.8 ± 57444	0 ± 0	0 ± 0	26171.9 ± 53863.2
475.10782	Propanoic acid, 3-[[[4-	C2H32ClN2O5S			0 ± 0	0 ± 0	0 ± 0	12497.7 ± 30306.5	15497.2 ± 39163.1	42557.4 ± 104261.9
314.9151					0 ± 0	5405.4 ± 18724.9	15061.5 ± 32066.7	0 ± 0	0 ± 0	4269.6 ± 14790.2
501.2377					0 ± 0	0 ± 0	0 ± 0	9393.8 ± 17066.9	27712.3 ± 30400.6	32523.5 ± 53138.2
395.11534					0 ± 0	0 ± 0	16505.9 ± 25283	4254.5 ± 14737.9	0 ± 0	2739.1 ± 9486.6
293.97673	1-(4-Bromophenoxy)-2-	Cl2H8BrNO3		Bacterial origin	0 ± 0	7079.2 ± 24523.2	19859 ± 42071.8	0 ± 0	0 ± 0	10125.5 ± 28434.1
262.11383					0 ± 0	11387.6 ± 39447.7	24942.6 ± 86403.9	0 ± 0	0 ± 0	29270.9 ± 67157.4
120.08118					0 ± 0	0 ± 0	0 ± 0	27423.8 ± 7019.7	12594.5 ± 7983.7	11237.9 ± 8462.3
237.15997	Procaine	Cl3H20N2O2		Human exposome	0 ± 0	0 ± 0	0 ± 0	958.5 ± 3320.5	1428.8 ± 3351	742.2 ± 2571.2
194.11724					0 ± 0	0 ± 0	0 ± 0	27423.9 ± 9935.5	10369.3 ± 11165.2	9066.8 ± 9934.7
545.22648					0 ± 0	21480.2 ± 74409.6	23198.5 ± 80361.9	0 ± 0	0 ± 0	20963.7 ± 72620.5
246.11917					0 ± 0	0 ± 0	6310.5 ± 11696.8	0 ± 0	1928.6 ± 6680.7	1313 ± 4548.4
277.11593	Tert-Butyl N-[2-amino	Cl2H15F3N2O2			0 ± 0	0 ± 0	3411 ± 11816	11466.1 ± 21127.4	5819.6 ± 13632.7	0 ± 0
240.06801	S-Phenyl-N acetylcy	Cl1H13NO3S		Human exposome	0 ± 0	0 ± 0	0 ± 0	13719.8 ± 15974.4	9758.4 ± 18623	23093.9 ± 42212.3
461.23879					0 ± 0	12985.1 ± 44981.8	21777.7 ± 52823.6	0 ± 0	0 ± 0	25850.5 ± 47150.1
303.00039					0 ± 0	5606.4 ± 10240.2	5971.3 ± 20685.1	0 ± 0	0 ± 0	2175.2 ± 7535.2
383.27601					0 ± 0	0 ± 0	0 ± 0	4008.2 ± 9626.2	4287.2 ± 10122.2	29950.9 ± 38314.9
571.99002					0 ± 0	8594.1 ± 29770.9	25621.7 ± 61950.9	0 ± 0	0 ± 0	10841.9 ± 37557.4
316.97473					0 ± 0	2639.8 ± 9144.7	0 ± 0	0 ± 0	3955 ± 13700.6	2594 ± 8985.7
277.99006					0 ± 0	0 ± 0	4448.2 ± 15409	4851.2 ± 11506	2417.7 ± 8375.2	0 ± 0
279.10777	Isovalerylglucuronide	Cl1H18O8			0 ± 0	0 ± 0	3308.3 ± 11460.4	0 ± 0	3041.1 ± 10534.6	7482.1 ± 25918.7
229.1183					0 ± 0	2446 ± 8473.2	7298.1 ± 17317.8	0 ± 0	0 ± 0	1609.5 ± 5575.5
462.86138					0 ± 0	0 ± 0	0 ± 0	3939.6 ± 13647.1	11484.6 ± 39783.9	2591.7 ± 8977.9
270.14272					0 ± 0	4912 ± 11488.9	0 ± 0	6213.8 ± 11492.3	0 ± 0	3008.4 ± 10421.2
411.95367					0 ± 0	2204.5 ± 7636.6	5919.4 ± 13955	0 ± 0	0 ± 0	2413.3 ± 8359.9
229.04923					0 ± 0	9357.6 ± 22149.1	28614.1 ± 43770.8	0 ± 0	0 ± 0	3652.2 ± 12651.7
296.95332					0 ± 0	2015 ± 6980.3	2459.8 ± 8520.9	0 ± 0	0 ± 0	2182.3 ± 7559.8
226.04431					0 ± 0	0 ± 0	2651.2 ± 9183.9	0 ± 0	3143.1 ± 7533.2	1361.1 ± 4714.9
416.29762					0 ± 0	4369.9 ± 10263.9	33199 ± 25139.2	0 ± 0	0 ± 0	4301.8 ± 14901.7
518.25974					0 ± 0	0 ± 0	14407.3 ± 35348	0 ± 0	3161.2 ± 10950.7	16738.5 ± 39133.7
277.07787					0 ± 0	0 ± 0	2958.3 ± 6932.2	0 ± 0	2572 ± 6007	2191.2 ± 7590.6
174.14833	9-amino-nonanoic acid	C9H19NO2			0 ± 0	703.9 ± 2438.4	8751.2 ± 11110.4	0 ± 0	0 ± 0	1659.7 ± 5749.4
381.06984					0 ± 0	0 ± 0	7481.7 ± 25917.4	0 ± 0	15128.3 ± 52405.9	19475 ± 45629
263.09959	N-(4-Fluoro-3-methyl	Cl4H12F2N2O			0 ± 0	5110.6 ± 17703.5	0 ± 0	0 ± 0	7120.9 ± 17307.5	5353.9 ± 18546.5
249.07293	4-[3-(Trifluoromethyl)	Cl1H11F3O3			0 ± 0	1517.9 ± 5258.3	5105 ± 17684.3	0 ± 0	3213.9 ± 7514.7	0 ± 0
174.12775	Bicifadine	Cl2H15N			0 ± 0	0 ± 0	2239.4 ± 7757.5	0 ± 0	1493 ± 5171.8	1585.6 ± 5492.7
201.11469					0 ± 0	2640.8 ± 9147.9	0 ± 0	992.9 ± 3439.4	2400.6 ± 5607.8	0 ± 0
436.01073					0 ± 0	0 ± 0	19921.3 ± 44632.5	3677.1 ± 12737.8	10324.1 ± 27262.9	0 ± 0
521.1898					0 ± 0	0 ± 0	14966.6 ± 35607.3	7724.5 ± 26758.3	10754.8 ± 25573.6	0 ± 0
367.12564	Ridogrel	Cl8H17F3N2O3			0 ± 0	0 ± 0	6294.1 ± 14709.4	7397.4 ± 12777.4	0 ± 0	17256 ± 26755
159.09121	3-Methylquinolin-4-yl	ClO10H12N			0 ± 0	0 ± 0	0 ± 0	4030.9 ± 7330	5929.5 ± 11533.8	3983.2 ± 9313.8
358.90459					0 ± 0	11662.4 ± 27472.9	5941 ± 20580.1	0 ± 0	0 ± 0	3918.9 ± 13575.6
332.99772					0 ± 0	8916.5 ± 16439.6	4360.3 ± 15104.6	0 ± 0	0 ± 0	2096.9 ± 7263.8
226.25296	Pyrrrolidine	Cl5H9N		Human exposome	0 ± 0	0 ± 0	0 ± 0	118.63 ± 1280.3	238.1 ± 529.23	6108.2 ± 2106.7
274.08097	Pomalidomide	Cl3H11N3O4		Human exposome	0 ± 0	7076.6 ± 24513.9	17720.1 ± 41393.4	0 ± 0	2589.2 ± 8969.2	0 ± 0
298.34683					0 ± 0	10608.9 ± 36750.3	3079.3 ± 10666.9	0 ± 0	0 ± 0	6414.3 ± 14984.4
530.95438					0 ± 0	2887.1 ± 10001.3	0 ± 0	0 ± 0	14329.5 ± 29085.7	2723.2 ± 9433.5
505.01166					0 ± 0	5157.2 ± 17864.9	0 ± 0	0 ± 0	1921.5 ± 6656.2	3807.8 ± 13190.5
486.21987					0 ± 0	0 ± 0	7152.5 ± 24776.9	0 ± 0	6109.7 ± 21164.7	12448.2 ± 29077
257.94958					0 ± 0	2948.8 ± 10215.1	9578.6 ± 18877.9	0 ± 0	0 ± 0	6946.6 ± 12723.4
219.08145	1-Hydroxypyrene	Cl6H10O		Human exposome	0 ± 0	0 ± 0	13983.6 ± 48440.6	0 ± 0	4713.6 ± 16328.3	4876 ± 16890.9
271.9645	5-Bromo-3-(2,2,2-trifl	Cl6H5BrF3N3O			0 ± 0	6428 ± 22267.1	6089 ± 21093	0 ± 0	0 ± 0	11342.8 ± 26657.5
264.13159	4-[5-(3,4-Difluorophen	Cl4H15F2N3		Bacterial origin	0 ± 0	1764.1 ± 6111.2	4417.2 ± 10444.1	0 ± 0	8409.8 ± 12603.1	0 ± 0
743.25158					0 ± 0	1263.3 ± 4376.2	0 ± 0	0 ± 0	6065.8 ± 21012.6	1940.5 ± 6722.1
623.99335					0 ± 0	0 ± 0	11950 ± 27979	2538.1 ± 8792.3	8373.5 ± 19566.3	0 ± 0
453.9384					0 ± 0	0 ± 0	0 ± 0	3309.9 ± 11465.8	5464.9 ± 18930.9	6605.6 ± 22882.3
333.96471					0 ± 0	0 ± 0	8237.7 ± 15882.6	0 ± 0	4423.8 ± 10868.1	8553 ± 20510.9
312.00554					0 ± 0	3547.7 ± 12289.6	6187.4 ± 21433.7	0 ± 0	4012.7 ± 13900.2	0 ± 0
257.07438	2-[4-(Methylamino)ph	Cl4H12N2O5			0 ± 0	0 ± 0	1910.2 ± 6617	0 ± 0	1422.9 ± 4929.2	7847.5 ± 14357.8
344.96911	Tokuthion	Cl1H15Cl2O2P5S2		Human exposome	0 ± 0	2319.1 ± 8033.5	1984 ± 6872.7	0 ± 0	0 ± 0	3861.2 ± 9035.7
406.93638					0 ± 0	2677.3 ± 9274.6	7118.7 ± 16640.3	0 ± 0	0 ± 0	4345.6 ± 10220
210.05085					0 ± 0	4030.8 ± 9582.7	0 ± 0	0 ± 0	1355.4 ± 4695.3	1195.6 ± 4141.7
400.27491					0 ± 0	8000.1 ± 17095.4	0 ± 0	0 ± 0	1952.5 ± 6763.7	2720.2 ± 9423.1
249.23271					0 ± 0	0 ± 0	0 ± 0	2985.9 ± 7667.2	3249.6 ± 8168.9	9633.5 ± 22540.5
186.09122	Pirfenidone	Cl2H11NO		Human exposome	0 ± 0	2154.8 ± 7464.4	1249.1 ± 4327	0 ± 0	1777.7 ± 6158	0 ± 0
492.03746					0 ± 0	0 ± 0	7651.4 ± 18012.5	2807.2 ± 9724.6	5327.2 ± 12452.7	0 ± 0
566.98485					0 ± 0	0 ± 0	5915 ± 10733.2	0 ± 0	2746.6 ± 6425.5	2250.4 ± 5278.9
271.96547					0 ± 0	3272.8 ± 7644.4	6499.9 ± 15188	0 ± 0	0 ± 0	4608.1 ± 11156.5
239.99914					0 ± 0	1028.7 ± 3563.7	7151 ± 24771.7	0 ± 0	0 ± 0	1557.8 ± 5396.5
459.33694					0 ± 0	0 ± 0	0 ± 0	3460.3 ± 11986.7	5140.3 ± 12763.2	4476.6 ± 15507.4
118.0651	Indole	C8H7N		Bacterial origin	0 ± 0	0 ± 0	0 ± 0	3700.1 ± 6820.3	1082.6 ± 3750.4	2027.2 ± 4795.5
203.05261					0 ± 0	2929.6 ± 6993.1	7481.3 ± 9358.7	0 ± 0	0 ± 0	1244.4 ± 4310.8
213.06198					0 ± 0	4130.5 ± 7642.1	0 ± 0	0 ± 0	1701.3 ± 5893.3	3440.3 ± 6377.6
377.27941					0 ± 0	0 ± 0	0 ± 0	4432.8 ± 10635.8	2344.9 ± 8123	3884.9 ± 9217.1
330.89049					0 ± 0	0 ± 0	6232.2 ± 11453	0 ± 0	1716 ± 5944.4	1546.2 ± 5356.3
266.06441	N-(4-Fluorophenyl)-4-	Cl3H12FNO2S			0 ± 0	2379.7 ± 8243.6	0 ± 0	3811.7 ± 13204	0 ± 0	3080.4 ± 10670.9
197.05946	Xanthone	Cl3H8O2			0 ± 0	2830.2 ± 6692.1	2153.7 ± 5167.8	0 ± 0	0 ± 0	4070 ± 7367.9
424.8862					0 ± 0	2032 ± 7039	3967.8 ± 9542.5	0 ± 0	0 ± 0	2708.1 ± 9381.1
215.00069					0 ± 0	0 ± 0	0 ± 0	1096.6 ± 3798.7	5925 ± 11880.4	1569 ± 5435.2
410.95632					0 ± 0	1922.1 ± 6658.3	0 ± 0	0 ± 0	2940.5 ± 6892.4	1189.8 ± 4121.5
437.90225					0 ± 0	0 ± 0	1649.2 ± 5713.1	0 ± 0	3439.1 ± 8158.4	1841.9 ± 6380.7
410.90158					0 ± 0	1326.4 ± 4594.9	1808.6 ± 6265.2	3205.1 ± 7528	0 ± 0	0 ± 0
189.06889					0 ± 0	0 ± 0	1441.3 ± 4993	0 ± 0	1233 ± 4271.1	2859.2 ± 6691.1
466.86309					0 ± 0	1430.5 ± 4955.4	2931.4 ± 6884.3	0 ± 0	0 ± 0	1735.5 ± 6011.8
413.36416	MG(22:1(13Z)/0:0/0:0	C25H48O4			0 ± 0	2798.6 ± 9694.6	1498.7 ± 5191.8	1730.6 ± 5995.1	0 ± 0	0 ± 0
179.05077					0 ± 0	0 ± 0	1023.2 ± 3544.4	0 ± 0	1591.3 ± 5512.3	898.4 ± 3112.1
154.97665					0 ± 0	2305.8 ± 7987.7	1055.8 ± 3657.4	0 ± 0	0 ± 0	1273.8 ± 4412.5
271.02386	6-Bromo-4-fluoro-1-is	Cl1H12BrFN2			0 ± 0	1507.8 ± 5223.3	1374.4 ± 4761	0 ± 0	981.1 ± 3398.6	0 ± 0
464.95363					0 ± 0	0 ± 0	1834 ± 6353.3	0 ± 0	1309.6 ± 4536.6	1171.4 ± 4057.9
154.02653					0 ± 0	0 ± 0	1183.8 ± 4100.7	0 ± 0	1249.3 ± 4327.8	1106.8 ± 3834.1
187.043	2,3-Dimethylbenzene-	C8H10O3S			0 ± 0	1049.3 ± 3634.8	1030.9 ± 3571.1	0 ± 0	816.8 ± 2829.6	0 ± 0
149.10755					0 ± 0	10439.2 ± 9526.7	17115.9 ± 11192.9	0 ± 0	0 ± 0	0 ± 0
271.24906					0 ± 0	10703.9 ± 16238.1	6035.3 ± 9536.7	0 ± 0	6508 ± 22544.4	0 ± 0
253.23708					0 ± 0	11274.7 ± 39056.6	29469.2 ± 46165.5	11732.4 ± 15829	0 ± 0	0 ± 0
320.10512					0 ± 0	11554.5 ± 27013.1	0 ± 0	0 ± 0	7343.1 ± 25437.4	3639.2 ± 12606.5
264.14325					0 ± 0	117827.7 ± 89360.2	15463.1 ± 36236.1	0 ± 0	15455.5 ± 39550.9	0 ± 0
314.08337					0 ± 0	12151 ± 42092.2	0 ± 0	6227.1 ± 21571.4	0 ± 0	2701.5 ± 9358.1
272.21074					0 ± 0	12270.9 ± 22203.7	3320.2 ± 11501.4	0 ± 0	0 ± 0	0 ± 0
268.12771					0 ± 0	12359.7 ± 28874.5	7596.1 ± 26313.8	11512.4 ± 39880.3	0 ±	

241.11656				16750.5 ± 24939.8	0 ± 0	1322.9 ± 4582.6	8316 ± 19421.9	0 ± 0	0 ± 0
427.06027				16844.5 ± 49289.3	0 ± 0	29477.9 ± 102114.4	0 ± 0	0 ± 0	16484.1 ± 57102.5
304.14702	Phenoxylbenzamine	C18H22ClNO		16926.2 ± 58634.2	21619.8 ± 74893.3	0 ± 0	120038 ± 217878.2	0 ± 0	0 ± 0
313.26039	1,1'-(Cyclohexane-1,4-	C16H32N4O2		1694.3 ± 5869.3	8363.1 ± 13070.4	1425.6 ± 4938.5	0 ± 0	0 ± 0	0 ± 0
214.97184				1706.4 ± 5911.3	0 ± 0	3749.9 ± 8759.3	0 ± 0	0 ± 0	1521.1 ± 5269.4
349.35818				1716.1 ± 5944.8	4413.3 ± 10336.6	0 ± 0	0 ± 0	0 ± 0	1560.5 ± 5405.8
592.96501				1744.9 ± 6044.6	0 ± 0	0 ± 0	0 ± 0	2778.6 ± 6495.6	3898.3 ± 9155
182.04228				18192.7 ± 13811.2	3514.7 ± 6403.5	0 ± 0	7377.9 ± 8010.1	0 ± 0	0 ± 0
338.00915				18339.1 ± 46561.2	102168.2 ± 93434.4	162530.1 ± 164068.2	0 ± 0	0 ± 0	0 ± 0
245.08478				18480.6 ± 33828.4	0 ± 0	9037.1 ± 21106.3	0 ± 0	0 ± 0	10885.1 ± 19715
420.93045				1873.3 ± 4413.5	0 ± 0	1333 ± 4617.8	0 ± 0	2836.5 ± 6660	0 ± 0
388.39475				1931.5 ± 6691	5344.8 ± 10506.5	0 ± 0	0 ± 0	0 ± 0	4323.4 ± 10174.1
253.15007				19345.6 ± 67015.2	59457.6 ± 72347.3	9025.5 ± 31265.3	0 ± 0	0 ± 0	0 ± 0
390.13673				193632 ± 126043.2	55944.3 ± 64722.9	0 ± 0	127931.6 ± 91566.2	0 ± 0	0 ± 0
423.06229				20040.2 ± 69421.4	0 ± 0	0 ± 0	0 ± 0	55900.3 ± 130556.9	31332.7 ± 108539.7
197.09211	5-Nitro-2-propoxylanil	C9H12N2O3		20143.3 ± 37173.6	2906.8 ± 10069.3	2010.5 ± 6964.6	0 ± 0	0 ± 0	0 ± 0
141.10212	4-Morpholinepropane	C7H12N2O	Human exposure	2018.1 ± 4725.5	0 ± 0	0 ± 0	18720.2 ± 9880.5	12249.6 ± 11322.1	0 ± 0
278.93729				2049.9 ± 7100.9	0 ± 0	1941 ± 6723.8	0 ± 0	0 ± 0	3344.5 ± 11585.8
446.42021				2063.4 ± 7148	5816.8 ± 13620.8	0 ± 0	0 ± 0	0 ± 0	4720.1 ± 11152.7
264.11707				2074.5 ± 7186.3	9362 ± 2232	0 ± 0	0 ± 0	0 ± 0	7714 ± 26722.1
219.18623				20904 ± 31063	1544.7 ± 5350.9	0 ± 0	0 ± 0	0 ± 0	3082.9 ± 10679.6
237.23257				21412.6 ± 30218.1	5299.8 ± 10013.8	3565 ± 12349.4	0 ± 0	0 ± 0	0 ± 0
251.12945				21706.2 ± 50817	9566.1 ± 33137.8	0 ± 0	0 ± 0	0 ± 0	17602.4 ± 41645.9
144.10176	Proline betaine	C7H13NO2		22659.3 ± 14927.5	3480.5 ± 8129.1	0 ± 0	11674.2 ± 10706.1	0 ± 0	0 ± 0
279.2064	Oxymetazoline Impur	C16H26N2O2	Human exposure	2432.5 ± 8426.4	0 ± 0	0 ± 0	0 ± 0	15978.1 ± 20040.6	26966.6 ± 24128.9
167.11778	(1-Phenoxylpropan-2-yl	C9H14N2O	Human exposure	2483 ± 5852	3226.4 ± 5959.9	0 ± 0	1044.3 ± 3617.4	0 ± 0	0 ± 0
405.18489				24958 ± 86456.9	9960 ± 34502.5	0 ± 0	0 ± 0	15335.9 ± 43099.4	0 ± 0
394.09796				25505.3 ± 33472.1	0 ± 0	0 ± 0	11145 ± 20888.4	2514.7 ± 8711.1	0 ± 0
289.14951				2631.1 ± 9114.5	0 ± 0	11212.9 ± 38842.7	0 ± 0	0 ± 0	8502.5 ± 29453.4
280.0194				2767.5 ± 9587	0 ± 0	0 ± 0	8234 ± 15170.2	5714.3 ± 19794.8	0 ± 0
217.1286	N-α-Acetyl-L-arginine	C8H16N4O3		2776.6 ± 9618.3	2669.9 ± 6264.3	0 ± 0	2241.4 ± 5234.9	0 ± 0	0 ± 0
261.19613				27800.1 ± 37731.7	5902.6 ± 13785.6	0 ± 0	0 ± 0	4207.8 ± 9830.3	0 ± 0
262.11361				2865.3 ± 9925.7	0 ± 0	14237.7 ± 21403.6	0 ± 0	0 ± 0	4203.3 ± 14560.6
348.32635				2867.6 ± 9933.7	0 ± 0	0 ± 0	0 ± 0	2830.3 ± 6864.3	5432 ± 13234.9
248.1762	N-(2,6-Dimethylphenyl	C14H21N3O		28684.9 ± 52834.1	18033.6 ± 26947.3	0 ± 0	14217.5 ± 33255.4	0 ± 0	0 ± 0
263.07312				28764.2 ± 86211.2	0 ± 0	0 ± 0	191744 ± 74989	110218.2 ± 57018.3	0 ± 0
198.07799				28862.5 ± 18818.7	3199.9 ± 7473.9	0 ± 0	7920.4 ± 9924.1	0 ± 0	0 ± 0
224.08759				29225.6 ± 22037.6	8592.9 ± 12732	0 ± 0	18724.2 ± 15153.5	0 ± 0	0 ± 0
172.09863				2945.7 ± 6885.1	3076.3 ± 10656.8	0 ± 0	7419.8 ± 25702.8	0 ± 0	0 ± 0
137.1072	Phenelzine	C8H12N2		3015.1 ± 5886.6	842.6 ± 2918.7	0 ± 0	1493.4 ± 5173.4	0 ± 0	0 ± 0
326.0201				3142.2 ± 10884.9	0 ± 0	36008.9 ± 42812.4	1877.9 ± 6505.3	0 ± 0	0 ± 0
287.13884	(3S,4R)-3-hydroxy-2,2-	C16H18N2O3	Human exposure	315323.3 ± 595580.1	0 ± 0	0 ± 0	59174.9 ± 204987.9	46579.2 ± 108788.8	0 ± 0
302.28518				3218.5 ± 8336.2	6336.6 ± 12200.4	0 ± 0	0 ± 0	1603.9 ± 5555.9	0 ± 0
467.03196				3288.3 ± 11391.1	0 ± 0	9940.4 ± 34434.6	0 ± 0	4752.3 ± 16462.4	0 ± 0
167.15448	2,2-Diallylpiperazine	C10H18N2		3290.5 ± 7846.7	8607.8 ± 20327.2	0 ± 0	0 ± 0	0 ± 0	1757.3 ± 6087.4
184.11138				32936.1 ± 55523.4	4980.4 ± 11671.6	2885.1 ± 6752.5	0 ± 0	0 ± 0	0 ± 0
234.13358	Hydroxypropionylcamr	C10H19NO5		332336.2 ± 210273.6	66249 ± 120435.3	0 ± 0	0 ± 0	13112.2 ± 45422.1	0 ± 0
352.02186				3475.4 ± 12039.2	9008.7 ± 31207.1	9239 ± 25093.8	0 ± 0	0 ± 0	0 ± 0
464.91928				3529.1 ± 12225.3	0 ± 0	5516.8 ± 19110.8	0 ± 0	0 ± 0	7798.9 ± 19480.6
319.11065				3631.6 ± 12580.3	6391.8 ± 22141.8	0 ± 0	0 ± 0	3223.4 ± 11166.2	0 ± 0
293.08342				36438.7 ± 69867.4	8912.2 ± 30872.9	0 ± 0	73465.1 ± 78217.2	0 ± 0	0 ± 0
432.96301				3694.4 ± 8970.1	0 ± 0	6132.7 ± 15426.5	2784.7 ± 9646.4	0 ± 0	0 ± 0
360.13663				377589.5 ± 210254.4	3763 ± 13035.4	0 ± 0	105628.7 ± 116938	0 ± 0	0 ± 0
348.14046				38554.3 ± 133556.2	32459.3 ± 78017	0 ± 0	35426.5 ± 122720.9	0 ± 0	0 ± 0
286.08941				38728.3 ± 90738.1	0 ± 0	0 ± 0	5282.1 ± 18297.7	0 ± 0	10524.4 ± 36457.6
202.1023				3907.6 ± 13536.3	0 ± 0	0 ± 0	2829.7 ± 9802.3	11583.4 ± 23615.2	0 ± 0
199.11167				3924.6 ± 13595.2	6391.5 ± 15045.5	21702 ± 22842.8	0 ± 0	0 ± 0	0 ± 0
115.03682				3957.8 ± 7236.2	786.5 ± 2724.4	0 ± 0	1290.6 ± 4470.9	0 ± 0	0 ± 0
214.07071				39978.1 ± 39308	4261.2 ± 10055.6	0 ± 0	16313.4 ± 20621.3	0 ± 0	0 ± 0
198.99762				4034.8 ± 9426.6	3360.4 ± 7921.4	7172.1 ± 17210.5	0 ± 0	0 ± 0	0 ± 0
472.93096				4067.2 ± 14089.2	9528.4 ± 22261.8	5466.3 ± 18935.7	0 ± 0	0 ± 0	0 ± 0
255.09705	p-Hydroxyfelbamate	C11H14N2O5		4316.2 ± 14951.6	0 ± 0	0 ± 0	15650 ± 23193	2006.6 ± 6950.9	0 ± 0
278.12847				43206.8 ± 106361.6	29734.5 ± 54125.3	0 ± 0	4117.3 ± 14262.9	0 ± 0	0 ± 0
275.07425	modafinil acid	C15H14O3S		43679.9 ± 56712	0 ± 0	0 ± 0	20189.6 ± 31643.3	4784.3 ± 16573.3	0 ± 0
277.98264				4456.4 ± 15437.3	0 ± 0	12572.5 ± 30155.1	0 ± 0	0 ± 0	6916.4 ± 23959.1
262.07789				4472.6 ± 15493.4	0 ± 0	26852.8 ± 63142.4	0 ± 0	0 ± 0	12366 ± 42837
250.22764				44811 ± 39229.6	0 ± 0	0 ± 0	33036.7 ± 22520.7	6771.3 ± 12794	0 ± 0
316.0998				45212.2 ± 107562.6	7456.9 ± 25831.4	0 ± 0	113151.8 ± 146330	0 ± 0	0 ± 0
234.0854				4677.9 ± 16204.7	0 ± 0	0 ± 0	4932.4 ± 17086.5	0 ± 0	8263.3 ± 28625
253.09455				4729.7 ± 11048.7	5894.1 ± 11011.6	0 ± 0	1931.5 ± 6690.9	0 ± 0	0 ± 0
181.09582				48208.9 ± 72375.1	29190 ± 53524.7	57441.6 ± 45596.6	0 ± 0	0 ± 0	0 ± 0
208.05432	N-(2-Amino-1,3-benz	C9H9N3O5	Human exposure	4890.1 ± 7587.5	1315.9 ± 4558.6	0 ± 0	3683.2 ± 6782.8	0 ± 0	0 ± 0
299.24364				5000.6 ± 11687	40524 ± 51814.3	1603.9 ± 5556	0 ± 0	0 ± 0	0 ± 0
415.14917	Sancycline	C21H22N2O7	Human exposure	505715.7 ± 359500.6	0 ± 0	0 ± 0	318044.9 ± 136000.9	26512.4 ± 61926.9	0 ± 0
140.06863				5088.3 ± 7520	0 ± 0	0 ± 0	1770 ± 4172.3	537.8 ± 1863	0 ± 0
219.13374	Meprobamate	C9H18N2O4		5423.6 ± 18788	0 ± 0	0 ± 0	12651 ± 29815.3	3409.9 ± 11812.1	0 ± 0
255.10024				5457 ± 18903.7	0 ± 0	21863 ± 36842.3	5916.5 ± 14552	0 ± 0	0 ± 0
485.02725				5526.3 ± 19143.7	7407 ± 25658.6	0 ± 0	0 ± 0	0 ± 0	6552.4 ± 22698
276.24401				55349.9 ± 25171.8	6250.6 ± 16622.6	4290.5 ± 14862.7	0 ± 0	0 ± 0	0 ± 0
213.09955				5584.3 ± 19344.7	2722.7 ± 9431.9	0 ± 0	13758.4 ± 25449.1	0 ± 0	0 ± 0
226.12381				5705 ± 19762.7	0 ± 0	4396.7 ± 10278.6	0 ± 0	3003.3 ± 10403.8	0 ± 0
626.26354				5712.5 ± 19788.8	0 ± 0	0 ± 0	10158.6 ± 23729.2	3657.8 ± 12671	0 ± 0
307.17753				60297.9 ± 208878.2	0 ± 0	0 ± 0	92109 ± 222577.4	0 ± 0	33124.7 ± 114747.3
350.99303				6043.1 ± 14607.7	3073.9 ± 10648.2	0 ± 0	3041.3 ± 10535.3	0 ± 0	0 ± 0
360.09048				61877.5 ± 36406.8	39647.8 ± 40582.4	0 ± 0	0 ± 0	11093.1 ± 20496.7	0 ± 0
252.08467	2-Methyl-4,5-diphenyl	C16H13NS		6498.7 ± 12334.5	0 ± 0	0 ± 0	1469.7 ± 5091	943.4 ± 3268	0 ± 0
238.22783				65840.8 ± 53663.3	32871.9 ± 19354.9	0 ± 0	0 ± 0	10308.6 ± 35710	0 ± 0
295.31073				6602.2 ± 19788.1	29051.3 ± 61103.3	0 ± 0	0 ± 0	0 ± 0	7713.1 ± 21242
228.13527	Carbamic acid, [2-[(cy	C10H17N3O3	Human exposure	6704.9 ± 23226.6	13536.5 ± 46891.8	0 ± 0	17031.2 ± 40743	0 ± 0	0 ± 0
238.07082				7103.1 ± 16696.3	18404.9 ± 27874.7	17895.7 ± 26813.1	0 ± 0	0 ± 0	0 ± 0
375.13675	Maculalactone B	C25H20O2	Human exposure	71383.3 ± 92753.4	5321.3 ± 18433.5	0 ± 0	93124.3 ± 123243	0 ± 0	0 ± 0
154.04253				7563.9 ± 9893.3	1061.3 ± 3676.5	0 ± 0	3683.3 ± 6677.9	0 ± 0	0 ± 0
282.21786				78090.5 ± 192050.7	26081.7 ± 61699.9	0 ± 0	62942.9 ± 218040.7	0 ± 0	0 ± 0
434.99514				7904.5 ± 27382.1	0 ± 0	0 ± 0	0 ± 0	5190.7 ± 17981.2	17425.5 ± 47131.5
316.2297				7944.7 ± 18590.4	12432.1 ± 29043	34545.3 ± 37607.2	0 ± 0	0 ± 0	0 ± 0
591.21775				8046.7 ± 27874.6	55773.9 ± 137751.6	0 ± 0	0 ± 0	28331 ± 98141.5	0 ± 0
200.12692				8176.5 ± 19097.7	3258.4 ± 11287.4	11656 ± 12548.3	0 ± 0	0 ± 0	0 ± 0
249.0766	methyl 10-acetoxy-8,9-	C13H12O5		8607.4 ± 20112	5760.7 ± 19955.8	6113.8 ± 21178.9	0 ± 0	0 ± 0	0 ± 0
157.07602	Isonicotine	C10H8N2	Human exposure	86577.9 ± 13706.1	5368.4 ± 7957.1	6862.6 ± 8692.6	0 ± 0	0 ± 0	0 ± 0
516.9453				8709.6 ± 30170.8	26274.9 ± 61677.8	38310.6 ± 90050.4	0 ± 0	0 ± 0	0 ± 0
198.12815	2-Cyclohexylidene-2-p	C14H15N	Human exposure	8974.4 ± 21012.8	3087.1 ± 7215.2	0 ± 0	0 ± 0	1550.8 ± 5372.2	0 ± 0
270.14209				0 ± 0	17064.9 ± 16027.2	4545			

507.29086					0 ± 0	93863.5 ± 104990.8	304906.6 ± 100776.1	0 ± 0	119289.2 ± 107598.5	245351.1 ± 158119.8
265.12623					0 ± 0	12163.4 ± 42135.1	46748.3 ± 70142.1	0 ± 0	5536.3 ± 19178.4	23329.8 ± 55979.5
247.11425					0 ± 0	55258.9 ± 129063.3	144482.5 ± 52112.9	0 ± 0	35335.2 ± 67687.6	20889.8 ± 114204.1
393.20946		C16H34O9			0 ± 0	204829.8 ± 168835.2	153100.2 ± 101943.6	0 ± 0	121383.2 ± 109163.1	135960.7 ± 65153.4
316.12653					0 ± 0	100359.1 ± 128881	124062.5 ± 159227.5	0 ± 0	32250.2 ± 78803.2	23326.5 ± 80805.5
310.17827					0 ± 0	90601.3 ± 70663.5	150322.7 ± 94727	0 ± 0	44407.6 ± 58805.1	81190.2 ± 90456.3
415.12558					0 ± 0	66674.7 ± 101455.3	209219 ± 139294.2	0 ± 0	84362.2 ± 99195.7	200038.1 ± 191998.5
200.06915					0 ± 0	0 ± 0	9484.1 ± 32854	31314.8 ± 28675.9	36661.2 ± 37400.8	88172.9 ± 69566.8
439.16701					0 ± 0	137442.4 ± 180730.3	53927.4 ± 132184	0 ± 0	46639.5 ± 109069.3	68876.4 ± 162633.3
249.06027					0 ± 0	0 ± 0	101164.5 ± 148215.5	1449.3 ± 5020.5	6498.1 ± 17039.4	76984.5 ± 78642.9
498.1479					0 ± 0	22805.5 ± 79000.6	23948.9 ± 82961.6	0 ± 0	115902.4 ± 190850.7	79079.3 ± 116945.1
278.07275					0 ± 0	15682 ± 36626	79613.5 ± 64427	0 ± 0	37581.4 ± 31555.7	87146.1 ± 35909.8
464.24865					0 ± 0	66136.6 ± 127746	94207 ± 145664	0 ± 0	18831.1 ± 47262.1	61384.7 ± 111350.3
134.09656	Tranlycypromine	C9H11N		Bacterial origin	0 ± 0	1233.9 ± 4274.4	0 ± 0	66826 ± 12404.3	62180.2 ± 38648.6	82144.2 ± 54842.2
232.13285					0 ± 0	7121.9 ± 24671	0 ± 0	18376.7 ± 43318.1	39397.8 ± 21964.1	2135.6 ± 7398
198.09073					0 ± 0	28123.8 ± 30839.1	18001.1 ± 6235.8	0 ± 0	24930.5 ± 46406.8	43624 ± 79915.5
226.06219					0 ± 0	23668.2 ± 57235.8	85518.7 ± 87418.1	0 ± 0	7852.9 ± 27203.3	31512.2 ± 57332.5
612.02127					0 ± 0	8270.5 ± 28650	27437.4 ± 50175.7	0 ± 0	4676.5 ± 16200	5818.1 ± 20154.4
431.95875					0 ± 0	0 ± 0	3296.1 ± 11418	3037.1 ± 10520.8	2364.5 ± 8190.9	10363.1 ± 35899
242.06764					0 ± 0	8680.5 ± 30070.1	13687.1 ± 25578.5	0 ± 0	11111.9 ± 31200.2	18408.7 ± 33359.4
306.05288					0 ± 0	11201.9 ± 38804.6	23013.8 ± 58566.7	0 ± 0	7155 ± 24785.5	46150 ± 52762
286.07945					0 ± 0	18132 ± 42871.6	8443.3 ± 29248.6	4766.3 ± 16511.1	10197.5 ± 35325.1	0 ± 0
260.15654					0 ± 0	14260.1 ± 33799	23938.8 ± 43382.5	11364.6 ± 39368.3	6223.9 ± 21560.1	0 ± 0
290.14548	Arg-Asp	C10H19N5O5		Bacterial origin	0 ± 0	16111.1 ± 55810.5	26250.6 ± 90934.8	0 ± 0	12815.6 ± 44394.6	16302.4 ± 56473.2
449.27383					0 ± 0	5855.5 ± 20283.9	30514.4 ± 56342.7	0 ± 0	9774.5 ± 33859.9	29974 ± 65374.7
446.99655					0 ± 0	10741.8 ± 37210.6	6015.9 ± 14202.4	3764.2 ± 13039.6	3606.9 ± 12494.8	0 ± 0
216.12801					0 ± 0	3439.9 ± 11916.2	4924.3 ± 8986.1	3489.3 ± 12087.4	0 ± 0	1417 ± 4908.7
534.00724					0 ± 0	1935.4 ± 6704.5	4893.7 ± 16952.3	0 ± 0	4139.4 ± 9767.7	2834.5 ± 9818.9
365.10593	N-[5-(1H-Indol-3-ylme	C19H16N4O2S			0 ± 0	0 ± 0	10267.7 ± 24985.7	10746.8 ± 37227.9	5702.1 ± 19752.7	4222.5 ± 14627.3
365.10456					0 ± 0	6364.5 ± 22047.4	2677.2 ± 9273.9	5592.3 ± 13495.4	3332.9 ± 11545.3	0 ± 0
269.16179	Histidylleucine	C12H20N4O3		Bacterial origin	0 ± 0	55205.8 ± 69966.1	147234.9 ± 90582.1	0 ± 0	7403.1 ± 25645	79125.8 ± 85336.5
423.2007					0 ± 0	0 ± 0	53665.1 ± 125347.7	15051.9 ± 52141.4	169016.7 ± 317272.6	42088.6 ± 145799.1
232.03363	D-Xylose-5-phosphate	C5H12O8P			0 ± 0	1646.3 ± 5702.9	4011.6 ± 9397.4	0 ± 0	4523 ± 10608.4	5932.7 ± 9140.7
408.01192					0 ± 0	3585.1 ± 12419	15491.5 ± 26327.2	0 ± 0	18895.7 ± 17480.7	8547.3 ± 15820.3
261.06885					0 ± 0	28776.3 ± 31137.7	18916.1 ± 31712	0 ± 0	6420 ± 22239.4	13621.4 ± 24717.2
493.27492					0 ± 0	210972.1 ± 141849.7	444303.7 ± 130704.5	0 ± 0	169066.5 ± 134670.6	437196 ± 180882
349.18257	Ser-Ser-Arg	C12H24N6O6		Bacterial origin	0 ± 0	237346.1 ± 159643.9	182208.6 ± 95555.8	0 ± 0	186015.5 ± 131786.5	127479.4 ± 77587.5
204.12197					0 ± 0	24517.8 ± 28155.7	4198.8 ± 7683.6	2917.7 ± 10107.1	4976.6 ± 12535.3	0 ± 0
242.18639					0 ± 0	13059.2 ± 19655.5	37534.9 ± 29337	0 ± 0	1427.7 ± 4945.6	6210.1 ± 11499.5
252.09609					0 ± 0	0 ± 0	41383.4 ± 51386.8	11172.7 ± 21848.9	4614 ± 15983.2	24807.6 ± 38894.6
427.06015					0 ± 0	71695.7 ± 131339.2	22770.9 ± 78880.9	0 ± 0	54443.3 ± 113339.3	64948.3 ± 151733.6
357.16634					0 ± 0	0 ± 0	13176.2 ± 31348.4	33809.6 ± 117119.9	202073 ± 212952.7	164609.1 ± 269595.7
439.14184					0 ± 0	81448.4 ± 124030.1	165839.6 ± 145885	0 ± 0	58159.7 ± 89994.6	151239.4 ± 148425.5
323.13542					0 ± 0	0 ± 0	8013.5 ± 27759.7	14274.5 ± 34187.7	56562.7 ± 65744.7	191773.4 ± 80844.1
229.16972	Indalpine	C15H20N2			0 ± 0	10142.1 ± 23851.1	0 ± 0	23316.3 ± 44883	17843 ± 41763.8	10790.2 ± 19725.8
250.01674	2,4-Thiazolidinedione,	C11H7NO4S			0 ± 0	1642 ± 5687.9	1714.7 ± 5940	0 ± 0	1970.5 ± 4690.3	1353.9 ± 4690
467.05366					0 ± 0	0 ± 0	56931.1 ± 135097.9	16937.2 ± 58672.3	27251.3 ± 94401.3	16457.6 ± 57010.9
263.15825	N-Cyclohexyl-4-(dimet	C15H22N2S			0 ± 0	11893.5 ± 41200.3	12401.6 ± 29251	17101.8 ± 78931.5	22082.4 ± 40867.5	0 ± 0
255.09992					0 ± 0	0 ± 0	4454.7 ± 15431.6	5654.2 ± 19586.9	14779.8 ± 51198.7	12496.2 ± 43288.2
490.20439					0 ± 0	32382.1 ± 48332	129075.9 ± 93940.6	0 ± 0	34564.5 ± 52627	125990.3 ± 105597.1
256.00135					0 ± 0	5502.7 ± 8283.3	10121.2 ± 13750.7	0 ± 0	9175.5 ± 9793.2	6076.2 ± 9359.5
420.18736					0 ± 0	64535.4 ± 47801.4	57787.9 ± 70525.8	0 ± 0	13230.2 ± 24276.3	86586.4 ± 89736.5
481.26325	3-O-(alpha-L-rhamnogl	C22H40O11			0 ± 0	104160.2 ± 38594.3	44719.5 ± 44092.4	0 ± 0	85366.9 ± 41507.2	36138 ± 32462.1
277.12566					0 ± 0	7751.7 ± 18302.8	41241.3 ± 43713.7	0 ± 0	11269.7 ± 17344.8	35950.3 ± 39120.3
385.2393					0 ± 0	36404.4 ± 66240.4	112068 ± 94434.6	0 ± 0	7502.7 ± 25990.1	56716 ± 60526.9
395.06618					0 ± 0	27393.2 ± 51521.4	91688 ± 90819.5	0 ± 0	76042.2 ± 64973	55876.8 ± 60273.4
642.2451					0 ± 0	12791.7 ± 24020.9	23877.5 ± 25051.3	0 ± 0	18532.9 ± 23706.1	21627.9 ± 29441.1
390.97814					0 ± 0	20337.2 ± 47526.5	43399.6 ± 84302.6	0 ± 0	9431.7 ± 32672.3	22057.4 ± 42790.8
263.99925					0 ± 0	5598 ± 10276.3	8021.2 ± 14727.7	0 ± 0	8540.6 ± 15600.7	10086.2 ± 12730.8
399.06531					0 ± 0	29699.7 ± 46084.5	9882.8 ± 34235	0 ± 0	11151.3 ± 26087.3	18655.3 ± 43946.9
530.21036	Blood Group H Trisacc	C20H35NO15			0 ± 0	34429.7 ± 62355.7	8334.3 ± 28870.7	0 ± 0	10764.5 ± 25345.1	15419.2 ± 36029.9
563.26382					0 ± 0	42448.8 ± 69259.4	66277.7 ± 80438.2	0 ± 0	41534.7 ± 65109.6	50440.8 ± 83134.9
245.16425					0 ± 0	33240.9 ± 49425.4	0 ± 0	49608.4 ± 89959.2	50514.8 ± 115116.6	22932.3 ± 57768
314.00889					0 ± 0	15367.2 ± 23523.5	43934 ± 55964.2	0 ± 0	12698.1 ± 31268.8	10768 ± 25159
497.99391					0 ± 0	37193.3 ± 51555.9	0 ± 0	24205.2 ± 40231.4	23816.4 ± 38554.6	19036 ± 40703.7
357.25044	Geralcin C	C17H32NAO4		Human exposure	0 ± 0	18737.7 ± 34266.7	37712.1 ± 34530	0 ± 0	8959.6 ± 31037	36121.8 ± 37105.3
246.181	Valiyllysine	C11H23N3O3		Bacterial origin	0 ± 0	31021.7 ± 47060.4	95436.6 ± 72210.7	0 ± 0	7238.6 ± 17203.6	18646.8 ± 33795.7
441.17275	Limipterin	C17H24N6O8		Human exposure	0 ± 0	54164.4 ± 62573.4	31272.1 ± 58576.1	0 ± 0	16040.2 ± 37479.9	44557 ± 66609.8
448.16874					0 ± 0	68329.9 ± 107454.4	17264.2 ± 59805.1	0 ± 0	24325.8 ± 84267.1	35506.3 ± 83507.8
226.12298	p-Dimethylaminobenz	C15H15NO		Human exposure	0 ± 0	11972.2 ± 22811.3	1793.1 ± 6211.5	38847.5 ± 58023.2	0 ± 0	16686 ± 33061.2
280.97996					0 ± 0	19368.8 ± 53546	0 ± 0	4027.2 ± 13950.5	13760.9 ± 32635.7	11651.1 ± 37705.9
381.14971	Inverted exclamation	C18H24N2O5S		Human exposure	0 ± 0	27138.1 ± 94009.3	47849.6 ± 165755.9	14676.2 ± 50839.9	0 ± 0	38170.7 ± 132227.1
257.05653	2,7-Dinitrofluorene	C13H8N2O4		Human exposure	0 ± 0	0 ± 0	6930.3 ± 16272.9	1553.7 ± 5382.1	2717.5 ± 9413.8	8232.4 ± 14930.2
372.24735					0 ± 0	24610.6 ± 77008.9	10398.1 ± 19570.6	0 ± 0	1888.7 ± 6542.7	1917.5 ± 32272
374.0277					0 ± 0	14136.6 ± 25575.1	2552.2 ± 8841	0 ± 0	15986.5 ± 30214.3	22018.9 ± 41391.3
226.10085	N-Cyclohexyl-N'-(1,3-b	C10H15N3O5			0 ± 0	3130.1 ± 10842.8	5549.7 ± 14447	0 ± 0	18822.1 ± 34278.4	2407.1 ± 8338.6
245.04228	Methyl N'-tosylcarbarn	C9H12N2O2S2			0 ± 0	6694.1 ± 16361.7	4270.3 ± 14792.7	0 ± 0	3495 ± 8268.7	2344.1 ± 8120.3
261.03628	Fructose 6-phosphate	C6H13O9P		Bacterial origin	0 ± 0	0 ± 0	2318.3 ± 5437.4	3479.1 ± 6381.2	1315.7 ± 4557.6	2709.2 ± 6327.7
401.16028					0 ± 0	25338.4 ± 59645.1	10112.2 ± 35029.8	0 ± 0	12133.5 ± 42031.7	34664.4 ± 73099.7
154.02577					0 ± 0	0 ± 0	15655.7 ± 54232.9	7296.3 ± 25275	32457.6 ± 61500.8	25071.7 ± 45906.6
260.02662					0 ± 0	6012.5 ± 11176.8	12197.8 ± 18126.2	0 ± 0	4417.4 ± 8418.1	3993.4 ± 10435
226.04555					0 ± 0	6056.5 ± 8959.2	16068.6 ± 17419	0 ± 0	3841.7 ± 7050.4	9007.8 ± 13609.2
263.09904					0 ± 0	3138.8 ± 10873	32847 ± 35057	0 ± 0	7428.1 ± 17492.8	16313.6 ± 29621.8
357.0331					0 ± 0	8680.4 ± 20282.7	2636.4 ± 9132.6	0 ± 0	7698.5 ± 18576.2	11151.5 ± 26063.1
218.19245					0 ± 0	0 ± 0	6471.7 ± 9745.9	1978.5 ± 4669.3	1229.4 ± 4258.9	1458 ± 5050.6
229.04847					0 ± 0	6531.5 ± 22625.8	2062.2 ± 7143.6	0 ± 0	4428.4 ± 15340.5	22141.2 ± 40102.2
232.05927					0 ± 0	1823.8 ± 6317.9	0 ± 0	2307.2 ± 7992.3	17194.9 ± 25748.7	39469.2 ± 25722.8
249.07015					0 ± 0	8051.3 ± 18846.3	16996.3 ± 30842.7	0 ± 0	2592.4 ± 8980.3	8431 ± 19870.9
356.99542					0 ± 0	0 ± 0	9043.3 ± 31327	2963 ± 10264.3	7031.2 ± 24356.6	17076 ± 32019.4
453.07518										

263.06156					0 ± 0	6349.5 ± 11759.9	2573.5 ± 8915	0 ± 0	1045.8 ± 3622.8	1880.4 ± 6513.9
235.94547					0 ± 0	6156.3 ± 9362	6430.2 ± 12084	0 ± 0	2176.1 ± 7538.3	4322.3 ± 8026.8
395.39781					0 ± 0	3860.3 ± 13372.4	3969 ± 9307.3	0 ± 0	4574.3 ± 15845.7	4655.1 ± 16125.9
261.04489	3-Sulfanyl-5H-[1,2,4]	C11H8N4O2S	Bacterial origin		0 ± 0	3071.2 ± 7173.1	4505.9 ± 8307.2	3545.5 ± 8374.9	0 ± 0	2387.8 ± 8271.7
261.98722	3-Amino-3-(3-bromo-4-hydroxyphenyl)-2-oxo-1,2,3,4-tetrahydro-1H-benzimidazole	C9H9BrFNO2			0 ± 0	1638 ± 5674	6051.1 ± 11175.2	0 ± 0	4013.3 ± 7294.5	3812.6 ± 6909.8
358.93191					0 ± 0	1690.6 ± 5856.4	2091.2 ± 7244.2	0 ± 0	6940 ± 10307.7	3632.3 ± 8787
593.12932					0 ± 0	1730.7 ± 5995.3	1455.1 ± 5040.5	1906.9 ± 6605.8	0 ± 0	4929.6 ± 11667
273.96149	2-(5-Bromo-2-oxo-1,2-dihydro-1H-benzimidazol-1-yl)-N,N-dimethylmethanamine	C13H14BrN3O	Human exposome		0 ± 0	3717.4 ± 8693.5	5795 ± 13555.8	0 ± 0	1400.5 ± 4851.4	1983 ± 6869.3
299.03311					0 ± 0	3056.1 ± 10586.5	0 ± 0	1209.2 ± 4188.7	2540.6 ± 5947.2	2128.6 ± 7373.7
678.08114					0 ± 0	1485.1 ± 5144.4	0 ± 0	1202 ± 4163.9	1259.2 ± 4362.1	2276.9 ± 7887.4
432.96458					100005.2 ± 233953	130071.8 ± 304222.2	189072.1 ± 443328.6	0 ± 0	0 ± 0	98779.2 ± 239167.7
230.13762	Butenylcarnitine	C11H19NO4			10039.4 ± 34777.6	5973.1 ± 20691.5	6283.6 ± 21767	0 ± 0	0 ± 0	3711.8 ± 12858
213.10166	Harmine	C13H12N2O	Human exposome		10252 ± 24060.6	0 ± 0	0 ± 0	11802.3 ± 21475.9	39365 ± 31688.7	120692.2 ± 61345.7
309.03378					1064.9 ± 3688.8	1755.6 ± 6081.7	5045.7 ± 12853.6	0 ± 0	0 ± 0	1684.9 ± 5836.6
278.93699					10762.9 ± 25166.7	10930.8 ± 25549.8	16789.2 ± 40383.7	0 ± 0	0 ± 0	9318.1 ± 24605.2
220.13341	Ritalinic acid	C13H17NO2			10817.7 ± 16050.5	2259.2 ± 7826.1	0 ± 0	6767.4 ± 23443	1424.1 ± 4933.1	0 ± 0
555.95364					11072.3 ± 25891.6	22990.9 ± 44017.7	28769.4 ± 52952.4	0 ± 0	0 ± 0	20499.4 ± 37740.9
327.33701					11268.5 ± 18037.3	13114.6 ± 17693.9	15497.9 ± 19835.5	0 ± 0	5952.5 ± 20620	0 ± 0
200.23688	(3-Methylbutyl)(6-methyl-2-oxo-1,2,3,4-tetrahydro-1H-benzimidazol-1-yl)-N,N-dimethylmethanamine	C13H29N	Human exposome		1142.7 ± 3958.3	2968.7 ± 6962.2	0 ± 0	1044.4 ± 3618	0 ± 0	3206.4 ± 11107.2
423.11124					119016.6 ± 205728.5	85050.3 ± 96104.1	0 ± 0	60321.4 ± 95945.3	57427.1 ± 68028.4	0 ± 0
247.07521					12520.3 ± 43371.7	12684.8 ± 29779.1	0 ± 0	20478.9 ± 37156.5	11608.5 ± 27111.6	0 ± 0
480.8937					1288.5 ± 4463.6	0 ± 0	4894.2 ± 11449.4	1748.4 ± 6056.7	7698 ± 14016.5	0 ± 0
362.10604					13049.3 ± 30890.3	6211.9 ± 21518.7	0 ± 0	17250 ± 33894.7	6843.9 ± 23707.9	0 ± 0
247.13849					13109.7 ± 19536	0 ± 0	0 ± 0	23170.2 ± 14435.6	4556.9 ± 8278.2	8488.9 ± 10636.5
214.14025					13133.9 ± 30689	18932.9 ± 44477.7	20216.3 ± 24272.8	0 ± 0	2188.1 ± 7579.7	0 ± 0
260.08829	Mizoribine	C9H13N3O6	Human exposome		132232.8 ± 77864.7	12612.3 ± 30101	0 ± 0	132296.7 ± 47741.3	6562.2 ± 15640.6	0 ± 0
265.089					1337.3 ± 4632.5	1426.7 ± 4942.4	0 ± 0	3290.1 ± 7810.4	1742.1 ± 6034.9	0 ± 0
259.21663					134720.9 ± 81584.1	2841.4 ± 6838.3	0 ± 0	24622.9 ± 18252.7	1305.4 ± 4521.9	0 ± 0
318.11556					1347834.8 ± 1805926	721572.6 ± 569962.3	0 ± 0	997401.8 ± 1092525.2	619571.1 ± 571100	0 ± 0
551.0138					13750.9 ± 47634.5	33171.2 ± 78161.3	55471.4 ± 138013.8	0 ± 0	0 ± 0	22857.9 ± 79182.3
456.34058					14453.3 ± 13770.2	23892.8 ± 44822.4	0 ± 0	0 ± 0	2917 ± 10104.8	4922.4 ± 12482.1
307.1526					144537.5 ± 262286.4	0 ± 0	5851.8 ± 20271.1	71751 ± 136220.9	0 ± 0	13680.5 ± 47390.6
260.05455	Ethyl adenine-9-acetate	C9H11N5O2	Human exposome		14473.5 ± 18022.6	1699.5 ± 5887.2	0 ± 0	10450.8 ± 13114.8	0 ± 0	1937.4 ± 6711.5
366.23689					14513.3 ± 5027.5	0 ± 0	3398.2 ± 11771.7	3603.6 ± 8435.1	0 ± 0	2674.9 ± 9266.1
151.12281	2,3-Diethyl-5-methylpyridine	C9H14N2	Human exposome		14693.8 ± 9659.8	13262.3 ± 12371.3	0 ± 0	2100.4 ± 4913.8	4883.3 ± 7811.3	0 ± 0
232.05809	N-(4-Acetylphenyl)-2,3,4,5-tetrahydro-1H-benzimidazole	C10H8F3NO2			14737.4 ± 18341	2531.5 ± 8769.3	0 ± 0	9085.9 ± 16557.2	1652.1 ± 5723.1	0 ± 0
163.1227	Nicotine	C10H14N2	Human exposome		15006.8 ± 19993.2	2179.8 ± 7551	1148.8 ± 3979.7	3398.7 ± 11773.6	0 ± 0	0 ± 0
400.38163					1516 ± 5251.7	3001.7 ± 7028.8	0 ± 0	1447.2 ± 5013.4	0 ± 0	1684.9 ± 5836.7
394.97097					15306 ± 35748.8	19450.7 ± 45747.5	34147.3 ± 68489.1	0 ± 0	0 ± 0	17457.5 ± 42026.3
318.96191					1554.6 ± 5385.4	3012.7 ± 7414.8	1826.5 ± 6327.3	0 ± 0	1529.7 ± 5299.1	0 ± 0
268.20144					158857.7 ± 101461.3	178852.2 ± 113972.3	0 ± 0	0 ± 0	355863.5 ± 265128.2	61406.3 ± 102192.3
214.12281	N,N-Dibenzylhydroxylamine	C14H15NO	Human exposome		15974.8 ± 28997.2	6681.4 ± 23145.2	0 ± 0	12391.6 ± 22453.7	7299.7 ± 17371.4	0 ± 0
306.12652					159935.5 ± 204856.8	14934.8 ± 51735.7	24221.2 ± 45254	0 ± 0	0 ± 0	23943.3 ± 43394.2
195.18583					16007.3 ± 13506.3	11587.1 ± 24788.7	0 ± 0	0 ± 0	4981.8 ± 9310.2	2328.6 ± 8066.5
415.96153					1608.3 ± 5571.5	0 ± 0	19481 ± 6748.5	0 ± 0	6875.7 ± 12765.9	3503.7 ± 8288.3
402.35898					1609.8 ± 5576.5	3660.1 ± 9481.2	0 ± 0	17039.7 ± 52364	2813.3 ± 9745.5	0 ± 0
265.08876					162450 ± 128134	91831.8 ± 72883.8	0 ± 0	96416.7 ± 48688	55551.7 ± 51168.7	0 ± 0
278.12256					1659728.9 ± 678678.9	17276.1 ± 40406.4	0 ± 0	477600.1 ± 183507.1	8516.7 ± 20401.1	0 ± 0
221.96159					1681.2 ± 5823.8	4246.2 ± 10063.2	7878 ± 15118.5	0 ± 0	0 ± 0	4353.1 ± 10187.1
453.93999					16996.8 ± 58878.6	44715.6 ± 104522.1	77562.3 ± 151446.2	0 ± 0	0 ± 0	49127.7 ± 94606.9
173.07681					1709.5 ± 5921.7	1276.9 ± 4423.2	7396.3 ± 14373.8	1355.5 ± 4695.7	0 ± 0	0 ± 0
333.15518					17327 ± 60022.5	23273.7 ± 80622.3	41165.6 ± 96979.2	0 ± 0	16880.1 ± 58474.6	0 ± 0
423.40609					1762.4 ± 6105.1	4960.6 ± 17184.1	7299.8 ± 25287.3	2379.2 ± 8241.7	0 ± 0	0 ± 0
334.11055					177018.8 ± 262923.5	37275.9 ± 87856.3	0 ± 0	167364 ± 216267.7	14283 ± 49477.9	0 ± 0
243.07446					1778.5 ± 6161.1	3060.8 ± 7174.7	1373 ± 4756.3	0 ± 0	2027.5 ± 7023.5	0 ± 0
323.09449					1779027.4 ± 1196387	302562.4 ± 188196.2	0 ± 0	946381.2 ± 305556	290404.4 ± 197225.5	0 ± 0
434.98001					17919 ± 41854.6	27574.2 ± 64440.2	36226.7 ± 84652.1	0 ± 0	0 ± 0	22877.5 ± 53433.4
566.98743					18001.8 ± 42078.7	22316.6 ± 52330.7	32091.8 ± 76185.5	0 ± 0	0 ± 0	13453.2 ± 46603.1
203.07876					1809 ± 6266.7	1130.2 ± 3915.2	0 ± 0	3829.6 ± 7062.9	1062.6 ± 3680.8	0 ± 0
392.93178					1810.1 ± 6270.5	0 ± 0	3104.6 ± 10754.6	1722.6 ± 5967.4	0 ± 0	3904.9 ± 13526.8
309.95085					1818.5 ± 6299.4	3317.5 ± 7758.2	3965.5 ± 9261.8	0 ± 0	0 ± 0	2548.3 ± 6827.6
250.13397					18424 ± 33346.3	0 ± 0	0 ± 0	346382 ± 188596.9	119042 ± 180865.8	399129 ± 349488.4
256.00126					1881 ± 6516	2036.4 ± 7054.3	5030.7 ± 11792.6	0 ± 0	0 ± 0	2106.9 ± 7298.6
234.01838	6-(Trifluoromethyl)-2-methyl-2-oxo-1,2,3,4-tetrahydro-1H-benzimidazole	C9H6F3NOS			18931.4 ± 32691.7	0 ± 0	10290.7 ± 26186.7	0 ± 0	10381.6 ± 31722.5	22992.3 ± 35981.1
343.96759					1913.7 ± 6629.4	6916.1 ± 16178.8	7711.7 ± 18151.9	0 ± 0	0 ± 0	3254 ± 11272.2
383.39901					1918.7 ± 6646.5	2689.1 ± 6284.6	0 ± 0	0 ± 0	3416 ± 8106.5	1779.8 ± 6165.6
259.1019					19245.4 ± 44955.4	26187.2 ± 61690.1	16198.9 ± 56114.8	0 ± 0	0 ± 0	11169.9 ± 38693.8
274.10768					19458.6 ± 67406.4	38293.7 ± 71009.6	0 ± 0	23312.6 ± 55295.4	44508.1 ± 104640.6	0 ± 0
254.06314	1-Ethyl-6,7-difluoro-4-methyl-2-oxo-1,2,3,4-tetrahydro-1H-benzimidazole	C12H9F2NO3			19960.9 ± 16090.8	0 ± 0	1660.5 ± 5752.2	1370 ± 4745.7	0 ± 0	1070.6 ± 3708.7
170.04292	N-(4-Fluorophenyl)ethanamine	C8H8FN			20021 ± 17990.3	1376.7 ± 4769.2	0 ± 0	12570.4 ± 13286.2	1053.9 ± 3650.9	0 ± 0
420.14621					208257.8 ± 172389	5794.5 ± 20072.6	0 ± 0	159590.9 ± 96717.1	8092.7 ± 28034	0 ± 0
417.9632					20842.5 ± 48751.9	24483 ± 57821	44899.6 ± 112520.6	0 ± 0	0 ± 0	26019.2 ± 67827.9
278.14101					20936.7 ± 72526.9	0 ± 0	12818.5 ± 31876.9	59284.6 ± 108909.9	0 ± 0	3215.3 ± 11138.1
678.08428					2105.2 ± 7292.7	0 ± 0	4974.6 ± 13109.2	0 ± 0	4705.5 ± 11036.8	7927.4 ± 18546
168.10137					2133.6 ± 5074.7	0 ± 0	0 ± 0	85289.6 ± 44710.8	19886.8 ± 17893.9	8771.3 ± 11744.6
266.08524					2165.8 ± 7502.5	65895.6 ± 158738.1	0 ± 0	0 ± 0	60230.1 ± 113278.9	13559.8 ± 46972.4
249.09202					21689.7 ± 75135.5	40838.7 ± 104101.1	0 ± 0	7429.5 ± 25736.6	17402.3 ± 40678.4	0 ± 0
322.92762					2215.9 ± 7675.9	2714.5 ± 9403.4	4354 ± 15082.6	0 ± 0	0 ± 0	4771.7 ± 12136.5
250.04453	3-Chloro-2-[(4-methyl-2-oxo-1,2,3,4-tetrahydro-1H-benzimidazol-1-yl)methyl]propan-1-ol	C13H12ClNS			2253.2 ± 7805.5	0 ± 0	0 ± 0	2101.7 ± 7280.6	1806.7 ± 6258.6	3246.7 ± 11247.1
357.99335					2301.6 ± 7973	22616.5 ± 43137	21772.3 ± 50151.2	0 ± 0	0 ± 0	37327.2 ± 55935.6
591.20201	8-[4-{4-[(2-Hydroxy-2-methyl-2-oxo-1,2,3,4-tetrahydro-1H-benzimidazol-1-yl)methyl]phenyl}butyl]pyridine	C27H32N6O6S	Human exposome		23992.6 ± 83112.8	18820.8 ± 65197.1	29102.8 ± 100815.1	4901.9 ± 16980.7	0 ± 0	0 ± 0
195.1121	Solriamfetol	C10H14N2O2			242864 ± 96754.5	380836.3 ± 106073.8	347445.4 ± 111626.6	0 ± 0	29488.1 ± 102149.6	0 ± 0
247.08187	spongicadin C	C11H10N4O3	Human exposome		25181.9 ± 47820	6395.1 ± 22153.3	0 ± 0	43664.3 ± 57453.5	5119.8 ± 17735.6	0 ± 0
115.03668					25188.3 ± 16065.3	15884.3 ± 12435.3	0 ± 0	20212.3 ± 10754.9	9484.2 ± 9971.5	0 ± 0
190.10122					26007.4 ± 17672.4	4529.5 ± 10584.7	0 ± 0	14359.4 ± 14205.9	1510.5 ± 5232.4	0 ± 0
225.10616	N'-(4-Ethoxyphenyl)-N,N-dimethylmethanamine	C11H16N2OS			26152.6 ± 39553.6	40501.9 ± 31064	2198.9 ± 7617.2	0 ± 0	1550.9 ± 5372.5	0 ± 0
288.14226					262601 ± 332985.8	196481.6 ± 218265.6	46218.8 ± 69748.7	201723.8 ± 251523.3	0 ± 0	0 ± 0
361.97149					2647.6 ± 9171.4	11442.1 ± 21218.2	10371.7 ± 24339.4	0 ± 0	0 ± 0	2071.9 ± 7177.4

564.85866						3353.4 ± 7838.5	4611.7 ± 10776	4679.2 ± 11505.8	0 ± 0	0 ± 0	6183.2 ± 11528.1
379.94372						3522.3 ± 12201.4	13706.8 ± 32166.9	16151.6 ± 38130.9	0 ± 0	0 ± 0	17110.4 ± 31313.4
262.02071						3577.1 ± 8357.1	4080.2 ± 9549	7366.3 ± 17701.4	0 ± 0	0 ± 0	2372.6 ± 8218.8
308.97391						3582.5 ± 8372.3	5937.7 ± 14039.2	4228.9 ± 14649.3	0 ± 0	0 ± 0	2598.4 ± 9001.2
311.19581						35929.9 ± 124464.7	0 ± 0	0 ± 0	1442173.8 ± 546631	920565.9 ± 710948.1	471817.4 ± 376463
396.9869	Desmethylchloridra	C15H12Cl2O7		Human exposure		36712.5 ± 127175.7	88206.4 ± 207031.3	143568.4 ± 346344.3	0 ± 0	0 ± 0	51867.3 ± 179673.6
461.42195						3748.3 ± 12984.4	11038 ± 30765.3	0 ± 0	19684 ± 45034.6	0 ± 0	1737.1 ± 6017.4
259.12851						395613.3 ± 145687.3	7993.4 ± 33925.3	0 ± 0	129795 ± 116267.9	15702.5 ± 54395	0 ± 0
277.93059						4039.7 ± 9462.7	5954.1 ± 14191.2	9771 ± 22896.8	0 ± 0	0 ± 0	5474.4 ± 13080.1
472.21635						4140.3 ± 14342.3	5934.2 ± 20556.6	25972.8 ± 60894	0 ± 0	0 ± 0	53876.7 ± 77531.9
209.10171						42737.6 ± 38277.7	26615.8 ± 34064.8	0 ± 0	10362.5 ± 24255.2	4151.3 ± 14380.4	0 ± 0
419.37573						4293.2 ± 10094.1	5462.5 ± 18922.8	0 ± 0	13745.3 ± 27978.5	0 ± 0	1139 ± 3945.5
170.05527	6-Methoxy-3-nitro-2-p	C6H7N3O3				4307.2 ± 10289.9	11109.3 ± 12259.9	0 ± 0	7840.1 ± 14406.5	1144.3 ± 3964	0 ± 0
226.15143						43087.8 ± 65524.6	3152.5 ± 10920.6	0 ± 0	49842.8 ± 75749.2	0 ± 0	2418.5 ± 8377.8
328.13035	Clofibrate	C16H22ClNO4		Human exposure		4312 ± 14937.1	14722.5 ± 51000.3	13257 ± 45923.6	0 ± 0	0 ± 0	15829 ± 54834.1
511.0191						43771.1 ± 102507.3	57791.4 ± 135141.3	93457.3 ± 190056.5	0 ± 0	0 ± 0	31020.4 ± 107457.7
292.20223						4388.8 ± 10251.6	12810.9 ± 44378.3	15567.4 ± 57272.2	0 ± 0	0 ± 0	1826.3 ± 6326.0
189.12338	Glycyl-L-leucine	C8H16N2O3		Bacterial origin		4589.6 ± 7012.4	8459.5 ± 13340.1	3791.4 ± 6977.8	0 ± 0	1701.3 ± 5893.6	0 ± 0
233.08697						4596.4 ± 8500.9	1953.3 ± 6766.0	0 ± 0	1800 ± 6235.3	0 ± 0	5483.9 ± 15071.9
293.12617	2-[3,4-Dihydro-2-(1H)-	C16H15F3N2		Human exposure		46026 ± 15948.9	42092.4 ± 145812.4	10746.7 ± 26104.3	0 ± 0	15137.2 ± 52436.8	0 ± 0
253.07848	2-(2-Thienyl)-2,3-dihy	C15H12N2S				4703.2 ± 11012.2	9729 ± 19649.6	0 ± 0	12707.7 ± 13526.4	0 ± 0	3842 ± 6966.2
239.05549	3,5-Diacetoxybenzoic	C11H10O6		Human exposure		47625.9 ± 30391.4	13888.1 ± 21710.1	10606.7 ± 19759.8	0 ± 0	3261.2 ± 11297.3	0 ± 0
256.07961						47819.7 ± 44990.7	3993.1 ± 9348.3	0 ± 0	38065.8 ± 33195.9	0 ± 0	2124.1 ± 7358.3
240.11357						4931 ± 17081.5	2845 ± 9855.3	0 ± 0	29918.2 ± 44476	51238.2 ± 67513.9	0 ± 0
213.13874	2-(Methylphenyl)-N-(4	C14H16N2		Human exposure		5024.2 ± 17404.2	0 ± 0	0 ± 0	59710.1 ± 59946.2	73299 ± 69564.2	98193.4 ± 102745.7
198.9975						5108.8 ± 12630.3	4241.1 ± 9955.5	11589.2 ± 28429.3	0 ± 0	0 ± 0	3287.6 ± 11388.7
262.12873	Methylmalonylcarniti	C11H19NO6				513968.8 ± 238398.2	67500.7 ± 71549.6	0 ± 0	206973.1 ± 76917	31877.4 ± 40150.8	0 ± 0
365.10472						51982.2 ± 180071.6	0 ± 0	53891 ± 186684	3695.3 ± 220647.1	95855.4 ± 332052.9	0 ± 0
280.97912						5204.9 ± 18030.3	15863.9 ± 37264.5	13563.4 ± 38406.6	0 ± 0	0 ± 0	18768.1 ± 44764.6
278.93742						5210 ± 12175.7	6087.7 ± 14252.4	10450.7 ± 24997.3	0 ± 0	0 ± 0	3717.7 ± 12878.4
375.00587						52213.8 ± 122473	52981.3 ± 124004.3	97461.6 ± 227623.3	0 ± 0	0 ± 0	40125 ± 99513
448.93908						53421.8 ± 124771.6	0 ± 0	65333.3 ± 160990.7	0 ± 0	15929 ± 55179.8	45240 ± 113656
317.00385						5366.9 ± 18591.3	10282 ± 27471.7	4784.1 ± 16572.5	0 ± 0	2265.1 ± 7846.6	0 ± 0
406.94474						5456 ± 18900.3	7281.4 ± 25223.5	9341.6 ± 32360.2	0 ± 0	0 ± 0	8447.6 ± 29263.3
188.09179	N-(3S-hydroxy-butano	C8H13NO4		Bacterial origin		54620.7 ± 36777.6	3314.5 ± 33997.7	0 ± 0	55333.2 ± 39277	21194.6 ± 24387.3	0 ± 0
398.89666						55007 ± 12869	6376.2 ± 14897.1	9521.5 ± 22421.4	0 ± 0	0 ± 0	5830.6 ± 13862.3
378.1366	Reduced haloperidol	C21H25ClFNO2		Human exposure		57285.5 ± 133848.7	44613.1 ± 72822.8	0 ± 0	135901 ± 47077.7	21543.8 ± 40755.1	0 ± 0
243.13532						57650 ± 72672.9	6197.4 ± 21468.3	7882.4 ± 18409.7	19988.4 ± 36298.8	0 ± 0	0 ± 0
228.08711	L-Arogenic acid	C10H13NO5		Human exposure		58691.4 ± 44241	5237.8 ± 18144.3	3479.8 ± 12054.5	31226 ± 23660.7	0 ± 0	0 ± 0
311.18581						59317.5 ± 138855.6	123694.4 ± 157018.5	0 ± 0	74074 ± 256599.7	17761.1 ± 61526.2	0 ± 0
219.08153	1-Hydroxyppyrene	C16H10O		Human exposure		61161 ± 121186.9	10659.7 ± 24989.5	33833 ± 72158	0 ± 0	0 ± 0	12143.7 ± 42067.1
224.08301						6129.5 ± 14321.4	0 ± 0	6541 ± 22658.7	0 ± 0	2561.5 ± 8873.3	4684.9 ± 11080
223.10642						6346.8 ± 9583.9	7905.2 ± 10177.9	0 ± 0	9399.1 ± 10012.3	5146.9 ± 9347.9	0 ± 0
273.11885	Antibiotic A 19009	C10H16N4O5		Human exposure		6490.5 ± 22483.9	4380.4 ± 15174.1	0 ± 0	1710.7 ± 5926.2	0 ± 0	6306.2 ± 21845.4
584.25106	Pyripropene A	C31H37NO10		Human exposure		6495.3 ± 22500.3	54306.1 ± 69497.2	0 ± 0	39356.9 ± 46244.3	0 ± 0	9262.9 ± 32087.5
211.0596	5-Hydroxyferulic acid	C10H10O5		Human exposure		6526 ± 8074.7	5105 ± 9247.1	2876.2 ± 9963.6	2228.3 ± 5207.8	0 ± 0	0 ± 0
482.93649						6699.3 ± 23207	13494.4 ± 35014.2	34788.8 ± 65516.6	0 ± 0	0 ± 0	20971.8 ± 38452.2
454.94632						6809.4 ± 23588.5	8716.7 ± 30195.6	11724.9 ± 40616.3	0 ± 0	0 ± 0	12554.7 ± 29923.6
355.95535						68562.7 ± 154245.8	12849.2 ± 249478.4	160786.6 ± 305810.6	0 ± 0	0 ± 0	98334.8 ± 222691.4
249.19512	N-[2-(4-Morpholinyl)et	C15H24N2O				68655.2 ± 36472.7	18594.6 ± 14973.8	0 ± 0	0 ± 0	5998.4 ± 20779.2	5583.7 ± 19342.7
403.38044						6889.8 ± 13160.2	8520.8 ± 29516.9	6902.3 ± 23910.2	0 ± 0	2334.5 ± 8086.9	0 ± 0
204.12287	Methyl 2-(2-hydroxypr	C9H11N2O5				69248.6 ± 44376.7	19072.9 ± 23121.2	0 ± 0	43800.3 ± 27717.8	9343 ± 12798.7	0 ± 0
281.97814						6973.6 ± 24157.1	20804.5 ± 65636	17020.3 ± 58960	0 ± 0	0 ± 0	20418 ± 47689.5
104.10712	2-[Dimethylamino]pro	C5H13NO				700.1 ± 2425.3	2277.9 ± 5352.6	2646.9 ± 4821.1	695 ± 2407.5	0 ± 0	0 ± 0
482.94886						7048.9 ± 24418	9738.4 ± 33734.6	0 ± 0	2538.9 ± 8794.9	5161.8 ± 17880.8	0 ± 0
242.10159	Methocarbamol	C11H15NO5				71465.5 ± 91515.1	20150.2 ± 36518.4	3683.4 ± 12759.6	22361.7 ± 52243.9	0 ± 0	0 ± 0
450.18444						71635.4 ± 132839.1	29563.9 ± 102412.4	32625.8 ± 113019.2	31569.8 ± 109360.8	0 ± 0	0 ± 0
266.99554						7208 ± 16995.3	4957.3 ± 17172.5	15073.3 ± 35441.4	0 ± 0	0 ± 0	12792.3 ± 29906.7
338.00929						7242.6 ± 16916.7	38224.4 ± 49714.2	45485 ± 81543.7	0 ± 0	0 ± 0	11204.4 ± 26168.8
412.96018						734.9 ± 2545.8	0 ± 0	9380.1 ± 24561.6	0 ± 0	3562.9 ± 12342.2	7220.6 ± 20639
273.09212	5'-Fluoro-2'-hydroxy-4	C16H13FO3				7345.1 ± 17518.4	15267.9 ± 29102.1	0 ± 0	23085 ± 36900.3	29731.7 ± 46257.6	0 ± 0
268.12676						7478.9 ± 25907.6	35545.1 ± 64850.3	96184.3 ± 79475.4	26146.6 ± 90574.6	0 ± 0	0 ± 0
229.11173						7575 ± 17912	0 ± 0	0 ± 0	935.5 ± 3240.7	2678 ± 9277	1735.9 ± 6013.5
493.98895						75995.1 ± 17504.8	118990 ± 278677.4	201581.9 ± 397629.3	0 ± 0	0 ± 0	120669.5 ± 284804
300.99979						7746.2 ± 18183.3	0 ± 0	0 ± 0	5360.1 ± 18568	10118.2 ± 35050.4	14865.9 ± 34794.9
392.11553						78211.1 ± 142389.2	17594.8 ± 60950.3	0 ± 0	147976 ± 227817.9	124132.4 ± 156410.8	0 ± 0
282.27917	Oleamide	C18H35NO		Human exposure		7867.8 ± 18818.5	7797.3 ± 18211.1	26825.3 ± 42049.1	19082 ± 20832.6	0 ± 0	0 ± 0
265.19048	Oxymatrine	C15H24N2O2		Human exposure		8322.1 ± 19436.6	5607.6 ± 10174.9	0 ± 0	425737.6 ± 92706.3	22322.6 ± 38050.3	0 ± 0
342.17809						8364.6 ± 20068.4	22582.1 ± 78226.6	15241.1 ± 52796.9	6528.5 ± 22615.4	0 ± 0	0 ± 0
251.91997						846.7 ± 2932.9	2108.1 ± 4936.3	1337.7 ± 4633.8	0 ± 0	2522.8 ± 6104.4	0 ± 0
274.12685	N-Despropyl-roitogin	C16H19NO5				87091.5 ± 129010.7	31426.6 ± 58957	0 ± 0	56616 ± 83771	11271.8 ± 27171.2	0 ± 0
350.98891						882.5 ± 3056.9	1472.5 ± 5101	0 ± 0	0 ± 0	2364.5 ± 5582.2	2697.7 ± 6337.8
585.03738						8865.4 ± 21277.3	3400.5 ± 11779.8	1890 ± 6547.1	2545.7 ± 8818.5	0 ± 0	0 ± 0
318.15229						889416.9 ± 592568.2	328793.1 ± 252420.7	57277.8 ± 61123.7	808264.1 ± 612930.8	0 ± 0	0 ± 0
215.10348	FA 12A	C12H16O2		Bacterial origin		90955.4 ± 82590.6	16235.2 ± 38390.1	5250.9 ± 12306.5	72557.4 ± 54582.2	0 ± 0	0 ± 0
372.34975						925.5 ± 3206	2822.5 ± 9777.3	0 ± 0	0 ± 0	1022.5 ± 3542.2	1647.9 ± 5708.6
256.12817	N-alpha-:(Tert-Butox	C11H17N3O4		Bacterial origin		9478.7 ± 32835	70159.9 ± 60249	4342.7 ± 15043.4	0 ± 0	25891.6 ± 50820.6	0 ± 0
189.06985						95012.2 ± 91565.6	151087.4 ± 123034.9	178222.1 ± 123050.5	0 ± 0	31678.8 ± 103329.5	0 ± 0
366.10732						96704 ± 231610.5	160337.3 ± 555424.6	70112.1 ± 242875.5	114620.8 ± 397058.2	0 ± 0	0 ± 0
194.11741	3,4-Methylenedioxyam	C11H15NO2		Human exposure		0 ± 0	27448.4 ± 30954.3	5401.7 ± 12717.9	2316237.8 ± 863337.9	1263060.5 ± 707946.9	1301656.3 ± 649010
234.07146						0 ± 0	38026.1 ± 227972.1	552487.2 ± 245903.8	18530.8 ± 64192.5	32895 ± 242887.1	552945.2 ± 27194.3
416.08585						0 ± 0	119711.1 ± 179394.7	12710.2 ± 24507.5	355431.7 ± 244487.9	566556.8 ± 535920.7	1162353.3 ± 1037304
228.10151						0 ± 0	8256 ± 18207.4	4042.2 ± 14002.6	309710.7 ± 186054.6	332502.6 ± 299912.6	775495.8 ± 756372.4
513.20777						0 ± 0	162566.1 ± 152136.8	405635.1 ± 132107.5	22944.4 ± 53605	176038.1 ± 142412.6	325411.4 ± 207475.6
283.129						0 ± 0	263983.2 ± 176080.2	494389 ± 291214.9	55609.1 ± 134419.6	53884.4 ± 117064.8	103195 ± 130174.2
455.22406						0 ± 0	39031.8 ± 52477.3	58305.6 ± 64912.4	3007 ± 10416.4	6618.3 ± 16725.1	67515.5 ± 65050.7
225.12131											

546.32744				0 ± 0	35562.1 ± 56224.6	32812.8 ± 52921.6	10477.1 ± 16361.8	2057 ± 7125.8	44185.9 ± 70615.5
433.21443				0 ± 0	21523.8 ± 51481.1	93515 ± 138915.1	5096.8 ± 17655.8	6791.4 ± 23526	33698.4 ± 96548.3
483.25573				0 ± 0	31099.3 ± 45768.8	49755.4 ± 50485.5	12076.8 ± 31991.2	17202.5 ± 42876.3	23068.9 ± 24606.3
492.98073				0 ± 0	10055.2 ± 34832.1	32466.3 ± 78196.7	12946.7 ± 44848.7	29618.6 ± 102601.9	9158.9 ± 31727.4
489.96493				0 ± 0	6095.5 ± 21115.4	24360.6 ± 58113.2	5983.3 ± 14155.5	9500.3 ± 22219.1	23381.3 ± 48994.3
259.10266				0 ± 0	1558.1 ± 5397.3	5612.3 ± 10638	1159.2 ± 4015.5	4047.2 ± 9634.3	6895.3 ± 10507.5
542.05312				0 ± 0	4897.1 ± 16964	16449 ± 44020.8	7423.3 ± 25715.1	19134.8 ± 36644.5	8632.7 ± 21946.1
180.08023				0 ± 0	11189.1 ± 17552.2	7877.8 ± 15688.6	3535 ± 12245.6	14303 ± 19016.9	12382.3 ± 23838.6
222.11169				0 ± 0	7922.4 ± 15029.7	18409.1 ± 17734.8	1386.5 ± 4802.8	3579.6 ± 8653.9	3477.6 ± 8154.4
226.04499				0 ± 0	5258.1 ± 9555.8	2185.6 ± 7571.2	993.7 ± 3442.2	2560.1 ± 5991.8	1450.3 ± 5023.9
430.05693				0 ± 0	4850.7 ± 16803.3	16199.7 ± 31736.4	1551.4 ± 5374.1	8877.8 ± 16183.8	7086.7 ± 16639.5
617.05852				0 ± 0	2426.5 ± 8405.7	7024.6 ± 16953.8	1962 ± 6796.6	2196.7 ± 7609.5	13682.3 ± 26459.9
388.84673				0 ± 0	4769.9 ± 11291.2	12847.4 ± 17698	3092.2 ± 7334.5	7826.6 ± 11962.4	5106.4 ± 10287
248.06105	4-Chloro-6-[3-Methox	C9H14ClN3O5		0 ± 0	3617.7 ± 8505	9601.5 ± 14925.1	1471.2 ± 5096.3	2644.2 ± 9159.8	6952.7 ± 12842.6
621.99613				0 ± 0	7469.3 ± 18634.5	5421.4 ± 12665.2	1932.7 ± 6694.9	1973.7 ± 6836.9	3710.5 ± 12853.5
395.38193				0 ± 0	1930.4 ± 6687.2	2053.1 ± 7112.1	3106 ± 10759.6	1755.9 ± 6082.5	1624 ± 5625.6
269.11096	N,N-Dimethyl-4-(6-m	C16H16N2S		102911.3 ± 88118.6	8740 ± 30276.2	18306.3 ± 33445.2	38195.4 ± 69295.3	43103.5 ± 54034.1	0 ± 0
337.11011	Xylityl glycoside	C11H22O10	Human exposome	1093856.9 ± 525974.4	195515.6 ± 106923.5	14367 ± 49768.8	613725.3 ± 156199.4	110540.6 ± 121924.3	0 ± 0
234.01863	6-(Trifluoromethyl)-2H	C9H6F3NO5		114920.8 ± 210138.6	309966.4 ± 488008.5	536583.2 ± 805941.4	0 ± 0	103644.8 ± 278908.5	46938.2 ± 162598.8
211.14474	Gancidin W	C11H18N2O2	Human exposome	11625.5 ± 27884.7	15523.3 ± 28149	43131.4 ± 27073.8	0 ± 0	8483.4 ± 19978.4	15956.6 ± 20800.7
254.11514	Triamterene	C12H11N7		119430.1 ± 71019.1	22128 ± 59611	0 ± 0	21557.7 ± 50791	63994.9 ± 75142.1	13834.9 ± 26577.8
210.05085				1253.4 ± 4341.9	3407.2 ± 11802.9	5852.6 ± 20273.9	0 ± 0	9568 ± 11980.3	3967.5 ± 13743.9
480.07777				12667.6 ± 43881.8	23253.6 ± 43809.4	28285.7 ± 66241.6	0 ± 0	33161.5 ± 49652.6	31143 ± 48831.2
276.14236				12837.2 ± 44469.4	13730.7 ± 47564.4	0 ± 0	18617 ± 43538.5	11528.2 ± 39934.9	14062.7 ± 48714.7
337.04126				12905.3 ± 44705.2	14105.2 ± 37912.5	12312.7 ± 30263.2	13145.6 ± 30809.7	8405.3 ± 29116.7	0 ± 0
557.03415				12911.7 ± 44727.5	35627.6 ± 65198.2	21724.7 ± 52676.4	0 ± 0	9226.8 ± 31962.6	42246.2 ± 76439.7
483.02666				1293.3 ± 4480.3	1449.5 ± 5021.2	5701.3 ± 14675.9	0 ± 0	6535.4 ± 9717.6	1911.2 ± 6620.6
250.01391				12984.9 ± 25908.3	65347 ± 58815	91108.8 ± 86703.6	0 ± 0	8479 ± 20337.8	36660.3 ± 51803.9
252.09555				1326 ± 4593.4	3975.8 ± 9287.6	22207.9 ± 20103.5	1527.4 ± 5291	0 ± 0	6703.8 ± 12429
550.94112				13750.4 ± 33742.1	36200.9 ± 53782	20436.3 ± 48007.1	0 ± 0	28601.7 ± 43199.3	38357.3 ± 58956.7
398.24139				139492.4 ± 32805.3	96880.7 ± 251840.7	200445 ± 404991.4	0 ± 0	9678.9 ± 33528.7	172964.4 ± 419194
232.11772	Suberylglycine	C10H17NO5	Human exposome	140528.9 ± 89065.4	75831.6 ± 71286.6	4828.8 ± 11287.3	32913.8 ± 59592.2	12816.1 ± 23319.5	0 ± 0
256.00036				14319.3 ± 29043.5	12275 ± 30932.4	0 ± 0	7089.4 ± 12931.2	6876.4 ± 23820.6	5533.8 ± 19169.8
231.0862				14553.6 ± 50415.2	24258.7 ± 41887.5	62938.7 ± 63079	0 ± 0	12628.7 ± 43747	50002.4 ± 10749.2
201.99212				1486.6 ± 5149.7	1569.9 ± 5438.3	2186.5 ± 7574.1	0 ± 0	2202.7 ± 7630.4	3568.7 ± 12362.2
329.22911				15642.5 ± 54187.2	29756.8 ± 55601.5	32602 ± 59530	0 ± 0	10999.4 ± 38103.1	31476.4 ± 60162.7
322.01373				1565 ± 5421.2	2218 ± 7683.5	0 ± 0	1324 ± 4586.6	3299.4 ± 11429.5	3982.9 ± 13797
229.12923	L-Ornithine	C9H16N4O3	Human exposome	1582.8 ± 5482.9	8097.8 ± 14719.4	0 ± 0	12240.5 ± 13154.6	15965.8 ± 14689.2	1522.9 ± 5275.5
390.97802				1588.2 ± 5501.6	3463.5 ± 6329.2	4114.6 ± 9621.5	0 ± 0	1461.1 ± 5061.5	2854.5 ± 6727.3
446.22524				1683.7 ± 5832.6	12593.7 ± 36943.9	6656.5 ± 23058.9	4554.8 ± 15778.4	0 ± 0	3999.6 ± 13855
155.11829	Milameline	C8H14N2O	Human exposome	16972.3 ± 12685	16003.9 ± 8657.3	1120 ± 3879.7	19382.2 ± 7335.9	1812.7 ± 4234.7	0 ± 0
768.00715				1712.4 ± 5931.9	3229.7 ± 7566.2	1553.7 ± 5382.2	0 ± 0	2586.2 ± 8958.9	1601.3 ± 5547.1
305.12043				187054.6 ± 373574.4	269151.6 ± 297326	140611.8 ± 121781.4	0 ± 0	19532.3 ± 67661.8	45049.5 ± 87959.9
275.10975				188623.3 ± 251859.5	551201.1 ± 349644.1	107979.6 ± 64969.9	0 ± 0	72795.5 ± 67602.3	39845.9 ± 46223
576.00164				1943.6 ± 6732.9	4059.8 ± 9497.6	1601.4 ± 5547.4	0 ± 0	5057.8 ± 12030.4	4082.7 ± 9627.5
436.1897				19613.6 ± 48362	160995.5 ± 239535.9	71963.4 ± 249288.4	182218.7 ± 94450.2	54081.5 ± 126327.1	0 ± 0
251.14887				20185.5 ± 47199.6	167195.9 ± 90412.9	215643.3 ± 90625.1	0 ± 0	70385.1 ± 69686.2	72307.6 ± 67829.9
265.10023	2-[[Cyclopropylcarbonyl	C13H16N2O2S		20607.6 ± 48834.5	19020.5 ± 44820.8	0 ± 0	8565 ± 29670.1	9687.8 ± 33559.6	6986.8 ± 16334.2
223.21618				206190.7 ± 161803	32259.5 ± 24560.3	0 ± 0	153965.4 ± 98118.1	72396.5 ± 59268.4	6448.6 ± 9749.2
242.05741				20647.6 ± 45725.8	59567.1 ± 46997.6	92633.4 ± 76797.3	0 ± 0	11498.4 ± 29838.6	29057.5 ± 38806.3
189.07323				2172.2 ± 5208.6	2518.5 ± 6188.7	3522.5 ± 12202.3	0 ± 0	1496.6 ± 5184.3	6168.4 ± 9292.4
273.0342	Nitroscanate	C13H8N2O3S		2176.8 ± 7540.7	6295.7 ± 21808.8	38327.7 ± 57958.6	5845.4 ± 20249.2	0 ± 0	4059.9 ± 14064
307.01903				22573.9 ± 52964.7	30009.4 ± 70096.5	30754.1 ± 74851.2	0 ± 0	7576.8 ± 26246.9	32587.9 ± 61574.8
241.11593				2265.1 ± 7846.6	0 ± 0	101356.7 ± 74536.6	13328.9 ± 19826.6	11142.6 ± 28220	62615.4 ± 163160.2
217.99888				2277.6 ± 7890	11845.2 ± 20183.9	3044.6 ± 7217.5	0 ± 0	3833.1 ± 9349.3	1017.2 ± 3523.8
250.01448				23358.3 ± 26125.8	8149.6 ± 19075.2	0 ± 0	20477.6 ± 22096.6	61946.8 ± 55152	12728.5 ± 23945.4
259.02456				2399.6 ± 8312.4	5350.7 ± 1835.5	5201.2 ± 12208.9	0 ± 0	5939.7 ± 8797.2	4144.3 ± 10033.9
251.17531	Rivastigmine	C14H22N2O2		244426.3 ± 155569.6	93354.6 ± 79200.4	0 ± 0	9212685.5 ± 1863585.2	1191563.7 ± 562516.6	395021.2 ± 114403.3
396.9877				25937.7 ± 60759.9	38479.8 ± 84788.1	54009.5 ± 116016.7	0 ± 0	11421.8 ± 39566.1	38031.6 ± 64680.4
430.38612				2635.7 ± 6232.6	4809 ± 11670.9	0 ± 0	12234.1 ± 42380	6085.1 ± 14217.7	3330.3 ± 7778
307.09913				267241.9 ± 209095.2	34402 ± 63379.5	0 ± 0	310502.8 ± 59303.4	121772.8 ± 66619.1	2734.6 ± 9472.9
210.11882				26749.5 ± 52084.6	40010.5 ± 59924.4	29415.9 ± 53361.6	2883.9 ± 9990.2	11745.3 ± 40686.9	0 ± 0
237.05741				2706.5 ± 9375.5	10107.7 ± 11797.9	10811.1 ± 11890.6	0 ± 0	2607.9 ± 9033.9	3000.3 ± 7022.3
217.16989				277780.6 ± 170783.6	9467.8 ± 26290.2	1426.3 ± 4940.7	47277.3 ± 62057.2	742.8 ± 2573.2	0 ± 0
258.05159				27848.6 ± 35720.2	67094.5 ± 33723.8	81645.6 ± 52428.5	0 ± 0	2488.5 ± 8620.4	6141.8 ± 14736.4
267.07525	Pyroglutamylvaline	C10H16N2O4		28140.3 ± 66467.5	5760.5 ± 19954.8	0 ± 0	16559.5 ± 57363.8	5577 ± 19319.4	6165.4 ± 21357.7
180.06581	Hippuric acid	C9H9NO3		28383.8 ± 19368.4	26886 ± 25107	1926.8 ± 4731.1	22658.1 ± 14862.5	10099.1 ± 8570.1	0 ± 0
222.19673				2855.1 ± 9890.2	32734.2 ± 24577.3	6058.1 ± 11123.2	0 ± 0	11835.6 ± 21901.5	2785.2 ± 9648.1
609.22579				28604.4 ± 90088.4	51633.8 ± 123041.8	84804.5 ± 153927.9	0 ± 0	6745 ± 23365.5	24850.9 ± 86086.1
276.10562				302024.5 ± 194098.7	46562.1 ± 116926	15037.9 ± 30285.4	173640 ± 68365.4	70795.8 ± 53401.1	0 ± 0
251.1102				3036.8 ± 10519.8	7692.4 ± 18356.9	0 ± 0	14053.5 ± 21561.7	7217.3 ± 17448.9	9348.9 ± 21849.9
211.18031				30602.2 ± 35354.4	44231.9 ± 71949.2	0 ± 0	15027.2 ± 16922.4	5475.1 ± 12912.2	8187.7 ± 28362.9
263.1516				31631.5 ± 57498.8	44619.5 ± 66157.4	5119.6 ± 17734.8	0 ± 0	6398.3 ± 22164.5	6700.6 ± 15666.5
180.1017	(R)-Salsolinol	C10H13NO2	Bacterial origin	31834.3 ± 24780.5	28314.6 ± 19578.4	0 ± 0	1322272.6 ± 333889.8	732300.7 ± 344353.4	630594.1 ± 218656.9
427.0194				3217.7 ± 11146.4	3953.4 ± 13694.9	36518.5 ± 55080.7	0 ± 0	15195.6 ± 32153.9	35193.5 ± 51869.1
647.99986				3229.2 ± 1186.4	10339 ± 15619.5	14546.8 ± 15844.4	0 ± 0	14576.5 ± 20336	14218 ± 17780.1
312.92867				3281.8 ± 11368.4	9372.8 ± 14040.2	8402.7 ± 14497.2	0 ± 0	11141.4 ± 17985.2	8975.3 ± 13357.4
257.2005				340832.4 ± 306861.8	68533.2 ± 72073.1	14212.7 ± 21181.1	203096.9 ± 229252.7	950501.1 ± 111731.8	0 ± 0
320.2944				3459.3 ± 9101.2	6313.2 ± 15937.3	4519.3 ± 8378.9	0 ± 0	2660.8 ± 6256	5120.3 ± 11959
657.30081				3516.4 ± 12181.2	15215.8 ± 28000	2456.6 ± 8509.8	9688.2 ± 17542.4	8822 ± 21155.2	0 ± 0
253.2386				354101.8 ± 178088.4	117525.3 ± 93194.8	30854.9 ± 30361	0 ± 0	344216.5 ± 316005.1	19076.4 ± 66082.6
623.99891				3609.7 ± 12504.3	11315 ± 17050.5	15523.2 ± 16831.8	0 ± 0	13479.9 ± 21933.5	17689.7 ± 18938.8
248.14891	3-Hydroxybutyrylcarbam	C11H21NO5		362426.9 ± 148831.1	97448.3 ± 123137.9	32014.2 ± 74840.3	47214.3 ± 85849.2	34102.3 ± 42253.8	0 ± 0
197.12809				36875.1 ± 40854.1	13767.5 ± 21400.9	9750.8 ± 10265.6	23550 ± 35007.5	0 ± 0	1596.9 ± 5531.9
283.99794				3694.5 ± 12798.1	23851.5 ± 16579.1	32482 ± 24039.3	0 ± 0	18659.4 ± 17656.5	18403.9 ± 16628.4
262.19143	4-Benzyl-N-propylpipe	C15H23N3O		37011.2 ± 54043.6	10452.1 ± 19209.5	0 ± 0			

268.13704	Methyl 2-amino-6-ter	C14H21NO2S		5680.7 ± 19678.4	0 ± 0	13449.7 ± 31444.9	78156.9 ± 184156	24175.9 ± 83747.7	61682.3 ± 123900.9
219.97236				5724.5 ± 13370	6622.9 ± 15471.1	6681.9 ± 23146.7	0 ± 0	2530.9 ± 8767.2	4090 ± 9741.6
282.06398				5753.6 ± 19931.1	11396.4 ± 23539.6	6057 ± 14452.9	0 ± 0	4458.7 ± 10548	10740.4 ± 21851.1
266.07544	5-[(4-Fluorophenoxy)l	C12H12FN3O5		5762.2 ± 14393.6	2434.4 ± 8433	22394.9 ± 20046.9	0 ± 0	3989.4 ± 9703.7	6085.3 ± 14212.3
672.00184				5950 ± 15870.2	15757.5 ± 20679.8	20878.4 ± 22618.7	0 ± 0	18349.2 ± 26587.2	22854.8 ± 24562.6
195.14868	2-(4-Amino-N-ethyl-m	C11H18N2O	Human exposure	5957 ± 11272.1	1517.6 ± 5257	0 ± 0	38417.9 ± 28974.2	54949 ± 42153	66272.1 ± 62613.4
241.02216				6331.4 ± 12570.2	1731.6 ± 5998.5	5406.4 ± 12646.2	1713.1 ± 5934.4	1389.7 ± 4814.1	0 ± 0
435.36831				6399.6 ± 16231.8	21094.4 ± 57758	15645.8 ± 47128.2	14045.4 ± 29541.2	2631.1 ± 9114.2	0 ± 0
131.99275				6403.6 ± 22182.7	24457.9 ± 58901.4	47193.4 ± 100451	0 ± 0	6005.2 ± 20802.6	6639.2 ± 22998.8
262.16528	hydroxyisovaleryl car	C12H23NO5		64475.3 ± 82022.4	26708.2 ± 48593.8	0 ± 0	95540.2 ± 48766.8	3827.4 ± 13258.4	8593.8 ± 29769.9
141.05774				6449 ± 12153.8	5643.3 ± 7137.7	0 ± 0	32221.2 ± 18518.2	31772.5 ± 19208.6	40431.4 ± 23761.9
261.23292				66135.5 ± 51079.2	6698.1 ± 10061.7	1872.3 ± 4373.4	2992.6 ± 7235.7	1087.9 ± 3768.4	0 ± 0
498.99846				7052.9 ± 24431.8	6463 ± 15338	15035.5 ± 28330.3	0 ± 0	10539.4 ± 18419.3	8688.6 ± 21352.7
254.10288				7152.8 ± 24777.9	99188.6 ± 113010.5	31822.3 ± 24219.7	0 ± 0	58684.8 ± 108453.4	5822.8 ± 13643.3
346.30709				7271.8 ± 17827.4	9074.7 ± 21249.5	1656.9 ± 5739.8	0 ± 0	1820.6 ± 6306.6	6329.6 ± 15208.9
245.09905				73442 ± 254410.5	277867.7 ± 256907.4	41008.8 ± 76210.2	0 ± 0	130652.1 ± 195393.2	196814.9 ± 158504.8
243.08148				7549.5 ± 18109.4	4688.8 ± 16242.6	29718.7 ± 26967.1	0 ± 0	23956.2 ± 27418.7	40959.5 ± 19687.8
359.04306	(-)-(10E,15S)-4,6-dich	C16H16Cl2O5	Human exposure	7732.3 ± 26785.3	213889.3 ± 106353.3	206409 ± 154650	0 ± 0	215611.6 ± 122956	196636.2 ± 115206.8
185.0585				7991.1 ± 14194.6	25818.6 ± 16833	21797.2 ± 24150.9	0 ± 0	2026.3 ± 7019.2	1761.2 ± 6101
238.02406	N-(3-Chloro-4-methyl	C9H7ClF3NO		7998.3 ± 12104.5	1079.1 ± 3738.2	4604.1 ± 8507.5	3509.4 ± 8492.3	0 ± 0	4409.9 ± 12064.7
212.08952				81878 ± 109551.6	16846.3 ± 30642.1	895.1 ± 3100.6	121392.1 ± 94305.9	11780.4 ± 23233.5	0 ± 0
548.92418				8326.9 ± 28845.2	8910.7 ± 30867.4	13954 ± 32694.3	0 ± 0	5669.7 ± 19640.3	8385.8 ± 29049.3
184.05881				83358 ± 54759	21920.9 ± 21302.6	0 ± 0	52919.1 ± 24976.6	15431.3 ± 12049.8	694.7 ± 2406.4
293.16469				85406.3 ± 180789.7	198468.1 ± 227760	0 ± 0	105527.5 ± 300634.8	72511.5 ± 25187.4	37297.8 ± 129203.4
419.17469				86341.2 ± 111414.2	37836.6 ± 88830.8	0 ± 0	81002.5 ± 122791.2	152942.8 ± 123898.8	90295.4 ± 179509.1
201.10175	2-(3-Pyridinylmethoxy	C12H12N2O	Human exposure	8788 ± 22690.5	8231.9 ± 12028.5	0 ± 0	33156.5 ± 24868.5	6069.3 ± 14383.8	4281.3 ± 10020.8
529.00863				8847.5 ± 13365.8	0 ± 0	8714 ± 23908.9	2417.5 ± 8374.4	10914.6 ± 19831.6	11586 ± 18030
235.9769	4-Chloro-1-methanesul	C7H6ClNO4S		8945.3 ± 12509.4	23055.3 ± 19513.2	32080.9 ± 25693.3	0 ± 0	12251.8 ± 18752.7	5559.6 ± 13228.9
145.07616	3-Aminoquinoline	C9H8N2		9223.4 ± 18068.3	1919 ± 4488.2	0 ± 0	4369.9 ± 10215.7	21841.1 ± 13678.7	27209.4 ± 14735.7
255.07917				9262.3 ± 32085.6	31874.1 ± 44222.3	21703 ± 40258.8	0 ± 0	27140.5 ± 26440.6	25951 ± 32651.3
186.0545	N-Propargylphthalimid	C11H7NO2	Human exposure	986.1 ± 3416.1	1408.5 ± 4879	0 ± 0	65603.5 ± 46341.6	101828.6 ± 92655.8	196204.8 ± 156137.7
187.12327				100072.7 ± 78973.9	45720.1 ± 29733.5	22310.6 ± 18610.1	10851.8 ± 37591.9	74048.7 ± 106500.5	174591.6 ± 145057.7
489.03409				10079.7 ± 34917.1	31354.2 ± 40234.8	7365.5 ± 15073	6058 ± 20985.5	7586.6 ± 18323.2	4281.1 ± 10258.8
277.08753				100930.7 ± 92086.3	115370 ± 96101.9	112528.6 ± 90230.8	31947.8 ± 58588.5	25006.6 ± 58404.7	87465.2 ± 99980.3
247.21868				103099.6 ± 46729.3	75716.9 ± 34229.2	47441.3 ± 22154.4	4541.4 ± 8301.5	32072.4 ± 20935.5	43358.2 ± 21248.8
298.34588				103248.7 ± 62016.4	140632.7 ± 142253.6	76169.2 ± 51299.7	48953 ± 20756.4	71570.1 ± 58941.9	91227.7 ± 88718.5
464.98729				10416.8 ± 31028.8	32704.5 ± 42118.6	25981.3 ± 38996.8	16129.2 ± 23971.9	28089.4 ± 32173	22527.6 ± 37989.3
235.07881				10462.4 ± 25303.1	17745.8 ± 26824.2	14412.5 ± 21998.3	11679.5 ± 21819.9	2375.5 ± 8228.8	17660.7 ± 23239
456.96304				10573.3 ± 25672.9	48458.7 ± 58851	58180.3 ± 88994.8	12199.6 ± 19686.7	72549.3 ± 57089.1	30279.8 ± 47380.9
249.09376				1073030.1 ± 362015.7	867479.3 ± 230965.3	289123.5 ± 118727.9	698878.5 ± 167287	452582 ± 181707	301687.5 ± 101528
350.98867				10816.7 ± 37470.2	36241.7 ± 66762.5	12902.7 ± 44696.2	6460 ± 22378.1	60188.9 ± 136899.8	44872.4 ± 67698.7
365.11087	Methyl 18-bromo-15E	C19H25BrO2		1082106.2 ± 2227260	108537.3 ± 375984.2	621823.8 ± 2154060.9	1066666.7 ± 3695041.7	916666.7 ± 3175426.5	825069.2 ± 2237289.4
211.12308				10951.7 ± 37937.9	13408.1 ± 24879.5	5686.4 ± 13336	67925.7 ± 103556.1	60191.3 ± 89923.8	152109.1 ± 155749.3
198.00271				110938.2 ± 98360.3	194217 ± 103998.5	218965.5 ± 136033.2	69888.8 ± 46529	204038.6 ± 134493.9	94125.1 ± 116640.3
244.08267				11100.1 ± 17809.3	13717.5 ± 17342.7	4089.4 ± 9552.2	16320.7 ± 20281	7364.4 ± 11235.2	2200.5 ± 7622.8
219.149				11202.7 ± 36238.4	12172.1 ± 22037.3	1740 ± 6027.5	288081.6 ± 41806.7	271462.9 ± 90105.3	169087.1 ± 48358.1
224.01365				11283.1 ± 12428.2	23812.5 ± 21876.7	25813.8 ± 36568.1	5366.2 ± 9764.1	22534.4 ± 24615.6	14353.2 ± 23122.3
179.15412	1,4-Benzenediamine,	C11H18N2	Human exposure	114382.8 ± 75277	139677.1 ± 182449.7	38790.8 ± 15646.9	2419040.7 ± 513080.8	1493036.2 ± 655692.9	1437627.8 ± 339488.4
203.05523				11479.1 ± 14849.5	27857.1 ± 12373.4	24535.7 ± 14458.2	16290.7 ± 11159.4	15594.1 ± 13987.6	28085.1 ± 14624.2
705.18684				11506.6 ± 23160.2	14141.8 ± 19966	13257.6 ± 21759.6	5470.8 ± 13584.3	17977.7 ± 37515.4	16477.7 ± 27024.3
719.9991				11510.6 ± 25887.7	23531.3 ± 31998.3	29639.4 ± 27949.3	2056.3 ± 7123.2	30507.8 ± 37763.7	34959.4 ± 34165.6
259.06936	1H-Benzimidazol-2-yl	C14H11FN2S		11546.2 ± 27009.2	21319.7 ± 27484.6	36377.8 ± 18187.8	7091.8 ± 16753.9	3778.7 ± 13089.8	24184.9 ± 19760.2
385.97834				1185.6 ± 4107	7825.6 ± 15306.2	6513.5 ± 22563.3	2292 ± 5354	11012.5 ± 16599.5	7609.5 ± 17772
274.18755				11877 ± 41143.3	268484.6 ± 143542.6	414451.9 ± 81691	225860.1 ± 152227.9	201477.9 ± 199549.4	331614.9 ± 171618.2
299.30631				11883.7 ± 16714.9	21525 ± 22275.2	11590.9 ± 17773	1716.7 ± 5946.7	20912.4 ± 17782	6152.1 ± 12210.9
342.95788				11885.5 ± 41172.5	34173 ± 79875.2	60546.2 ± 114912.6	3353.5 ± 11617	7091.4 ± 24565.2	44488.6 ± 67247.3
291.08103				11951.3 ± 41400.4	28573.2 ± 62179.2	12291.5 ± 42579	62401.3 ± 216164.4	14789.4 ± 51231.8	27057.6 ± 70077.3
280.00283				11957.8 ± 20877.8	11328.1 ± 26473.3	13361.6 ± 26597.1	7528.1 ± 8757.7	10413.6 ± 19976.1	4833.3 ± 16743.2
545.92634				11958.9 ± 24477.5	26645.1 ± 39751.4	27494.7 ± 43129.1	10041.9 ± 19430.7	18231.7 ± 29029.6	26759.5 ± 39773.8
388.02485				119919.8 ± 87803.7	208243.1 ± 145714.8	236081.9 ± 168579.5	50467.9 ± 82422.6	205975.2 ± 167930.3	211380.9 ± 146938.7
229.04928	Urolithin A	C13H8O4	Bacterial origin	120197.5 ± 102390.5	199818.9 ± 154736.4	222755.2 ± 182081.9	91384.2 ± 61598.5	138425.6 ± 113129.6	162320 ± 119112.3
439.05287				12077.8 ± 41838.7	26087.3 ± 67414.6	118766.7 ± 90407.5	118766.7 ± 84734.6	114270.8 ± 84374.3	81708.5 ± 77856.3
240.26812				120915.9 ± 140036.6	281521.4 ± 485010.4	28551.6 ± 26082.5	24039.6 ± 16843.4	67789.8 ± 81923.4	9106.3 ± 166845
196.09477				121839.3 ± 75079.2	65251.8 ± 47792	16332.8 ± 15474.9	87982.5 ± 39525	27023 ± 18240.2	9381.6 ± 14019.2
277.98281				12372.9 ± 19615.8	20985.1 ± 24172.5	26873.7 ± 25728.4	3783.8 ± 9282.4	16300 ± 17576.1	22962.3 ± 22983
293.97964				124281 ± 113333.6	226631.4 ± 111390.2	245133.5 ± 137518.3	104706.8 ± 49653.6	218661.9 ± 120280.8	186561.6 ± 118185.4
376.25772				12485.7 ± 21995.2	6174.8 ± 21390.2	28481.1 ± 42921.6	7393.2 ± 25610.7	2752.5 ± 9534.8	11810 ± 27686.3
229.01849				126365.2 ± 169395.3	316305.2 ± 625532.7	62340.7 ± 72501.9	23355.6 ± 24794	136769.3 ± 259881.8	23087.4 ± 35604.8
231.02921	5-(but-3-en-1-yn-1-yl)	C13H10S2		12672.9 ± 15901.6	25493.9 ± 29162.7	40991.1 ± 46602.3	22390.1 ± 17101.7	31544.3 ± 25238.3	4837.4 ± 38368.8
514.93832				12713.8 ± 23286.3	32000.9 ± 40057.7	60296.9 ± 54218.2	11782.9 ± 22675.4	30153.4 ± 35194.6	45097.5 ± 38392.5
251.11142				12749.4 ± 30832.7	100939.5 ± 56663.5	99630.4 ± 52793	24028 ± 59200.7	70933.2 ± 81877.5	55773.9 ± 71697.5
203.08325				12952.7 ± 24294.9	14225.8 ± 22181.8	7978.8 ± 12575	5387.5 ± 10286.5	8093 ± 18931.1	8440.7 ± 16534.9
205.06483				13082.5 ± 27278.6	37605.2 ± 33815.4	56281.8 ± 43214.2	4133.5 ± 9760.1	36599 ± 38169.2	53271.4 ± 35365.8
278.00828	6-Quinolinylnl trifluor	C10H6F3NO3S		13085.7 ± 17112.3	18078.6 ± 20362.5	14194.7 ± 25841.7	1685.5 ± 5838.7	25689.6 ± 17680.3	2324.5 ± 8052.1
165.06988	(2S)-2-Amino-N-hydro	C5H12N2O2S	Bacterial origin	133612.4 ± 111234.9	190354.3 ± 108190.9	201929.8 ± 124767.1	88883.6 ± 48193.2	174871.7 ± 108980.3	179354.1 ± 88690.5
169.0759				133669.1 ± 41051.5	154674.1 ± 26593	84115.8 ± 18415.5	141172.4 ± 33702	63461 ± 63833.9	65339.2 ± 55662.7
266.99571				134602.3 ± 98355.7	225146.6 ± 117961.6	252074.6 ± 154421.8	104287.5 ± 55799.3	210726.9 ± 141679.2	109993.5 ± 157378.9
219.11295	N-Acetylserotinin	C12H14N2O2		13514.3 ± 32065.3	9677.5 ± 17591.7	4370.6 ± 7988.1	15197.6 ± 35637.1	5776.7 ± 14572.2	6795.9 ± 16102.4
379.9429				13552 ± 22904.9	25413.8 ± 72905	21948.6 ± 33018.6	13009.3 ± 14605.1	28402.3 ± 27883.5	17058.2 ± 29324.6
271.07697				13566.8 ± 24769.8	15087.8 ± 28167.8	24300.6 ± 34749.1	3789 ± 13125.5	10802.1 ± 16163.5	

196.18185					17272.7 ± 11248.4	29393.5 ± 12728.3	1942.4 ± 4693.3	23032.7 ± 21141.3	36689.3 ± 30476.3	5931 ± 8894.7
215.03341					17630.2 ± 14004.9	36668.5 ± 20194.9	36928.8 ± 28557.8	16911.2 ± 12139.3	17202.9 ± 21039.9	25626.9 ± 21705.6
335.01736					17637 ± 41739.8	42888.2 ± 78778.5	50651.8 ± 83564	10082.3 ± 30370.8	36362 ± 84257.9	57017.5 ± 95665
436.00979					17889.6 ± 47564.5	71183.7 ± 128784.9	86334.4 ± 158041.9	42629.1 ± 78337.1	41789.5 ± 97618.3	73496.7 ± 134992.3
256.00192					18071.8 ± 16726.7	36555.7 ± 37067	70143.5 ± 56408.1	10096.7 ± 15346.2	39326.4 ± 41700.3	24455.1 ± 36412.5
386.03197					181329.9 ± 140281.4	294947.4 ± 223387.4	460007.2 ± 501989.7	198328.9 ± 101751	457256.5 ± 260196.6	214229.6 ± 206477.7
233.20371					18220.8 ± 27014.4	341160.9 ± 90935.9	204978.4 ± 42947.4	45486.3 ± 14010.2	217697.7 ± 122859.8	162977.7 ± 44297.4
423.18172	Lupiniso flavone G	C25H2O6			18228.4 ± 63145.1	235265.9 ± 127259.8	104846.7 ± 189804.8	88290.9 ± 99886.5	137385.6 ± 145753.4	132810.4 ± 203810.7
406.96296					18315.7 ± 28338.3	14654.8 ± 35595.4	68118.8 ± 62979.9	34052 ± 30388.4	10340.7 ± 25490.2	29856.5 ± 69812
136.01557					186234.7 ± 349390.1	158222.1 ± 369927.9	439795.4 ± 683119.1	239696.8 ± 331654.8	342323.8 ± 642957.1	368168.5 ± 466869.8
224.11702					18641.5 ± 27598.9	12912.7 ± 19677.2	71046.7 ± 16596.4	439703.9 ± 206423.8	274322.3 ± 147355.2	503590.7 ± 214051.3
403.0074					18727.1 ± 44797.2	42840 ± 62138.4	18015.2 ± 36262	1921.1 ± 6654.8	17537.2 ± 41078	46709.2 ± 63046.5
212.17551	(1,4'-Bipiperidine)-4''	C11H21N3O			18761.2 ± 27871.9	34927.7 ± 40958.9	4282.8 ± 10024.2	92219.8 ± 36278	117782.7 ± 67036.1	15869.1 ± 21276.2
239.17542	4-hydroxy-2-nonyl-1H-	C13H22N2O2			187770.9 ± 753201.7	1800925 ± 627777.8	698893.1 ± 255504.5	65641666.7 ± 19662722.4	38966666.7 ± 20197629	46225000 ± 19362856.9
214.00632					1880.3 ± 4406.3	15882.7 ± 8833.4	16191.4 ± 12640.1	3739.9 ± 5539.9	7452.7 ± 9309.9	12106.9 ± 10035.6
309.05754					188467.7 ± 113290.6	126687.9 ± 67457.5	67275.5 ± 12379.9	173623.1 ± 86095.9	60476.9 ± 42456	9906.1 ± 14650.7
185.04217					18894.3 ± 17383.2	32332.4 ± 19515.7	36248.4 ± 18416.9	24477.5 ± 11711.9	20776.5 ± 15000.2	37513.2 ± 14581.4
312.36229					189779.4 ± 148343.5	279893.8 ± 298133.1	109987.2 ± 88222.1	83531.2 ± 44185.9	137759.5 ± 91189.8	194269.4 ± 194625.4
274.00023	1-(4-Bromo-3-chlorop	C11H13BrClN3		Bacterial origin	19041 ± 6596	5649.2 ± 14308.8	2906.5 ± 10068.3	8308.1 ± 10624.6	6389.3 ± 14935.9	10217.1 ± 23881.4
321.17702					19087.8 ± 66122	128266.1 ± 193875.5	38230 ± 58103.6	163872.4 ± 212729.3	183302.3 ± 202462	48908.6 ± 95343
245.11107	4-Phenyl-1,2,3,4,5,6,7	C14H16N2S			19146021 ± 484546.6	233460.1 ± 208115.3	16456 ± 56998.3	1363157.9 ± 235522.5	203971.5 ± 164212.1	3904.3 ± 13524.9
254.16068					1921531.3 ± 510279.6	2691777.6 ± 899536	2608526.5 ± 592379.1	2010049.8 ± 322346.8	2104288.6 ± 733724.6	2235445.4 ± 495949.2
545.00668					19221.5 ± 18128.1	34219.4 ± 32464.6	45368 ± 45081.2	26826 ± 17035.3	46476.5 ± 36431.7	34971.6 ± 28832.9
250.11631					19228.8 ± 14769.7	37405.1 ± 24015.5	52455.8 ± 33877.2	26177.4 ± 16913.3	30655.7 ± 20398.6	30434 ± 33485.1
177.10264	Cotinine	C10H12N2O		Human exposure	19238.2 ± 20634.5	31190.4 ± 14587.6	5017 ± 7588.4	5670.3 ± 10337.2	8597.6 ± 13329.6	1795.1 ± 6218.5
205.06852	Galactitol	C6H14O6		Human exposure	19374.3 ± 24632.7	31108.4 ± 4691.8	67344.8 ± 84631.4	28580.2 ± 27748	33552.8 ± 45570.2	56579.4 ± 87575
375.00405	Desmethyldichlorodia	C15H12Cl2O7		Human exposure	19550.4 ± 20314.5	24289.6 ± 32263.1	30466.8 ± 38523.5	26147.1 ± 23802.3	17438.4 ± 26674.5	25166.9 ± 48727.9
271.96488	5-Bromo-3-(2,2,2-trifl	C6H5BrF3N3O			19739.4 ± 13719.5	32648.9 ± 34686.7	66082.9 ± 50710.2	26175.4 ± 18189.1	27691.8 ± 27191.1	38743.6 ± 45248.8
219.08393					197827 ± 123982.3	110951.2 ± 54893.1	53329.9 ± 37970.8	101724.9 ± 35702.9	72980.5 ± 45275	25588.4 ± 32341
355.96668					200318.67 ± 209835.1	382826.2 ± 238403.8	350576.1 ± 205611.9	196963.8 ± 107639.2	336913.5 ± 193803.9	34095.5 ± 245204.3
541.11372					20520.4 ± 31744.9	50044.6 ± 76032.2	111650.5 ± 91043.9	23168.7 ± 47581.6	10605.7 ± 36739.2	57656.1 ± 85770.4
452.95852					20872.2 ± 16293.4	32606.5 ± 20569.8	42147.5 ± 41628.1	23301.6 ± 16093.7	38662.6 ± 29869.1	24054.6 ± 28637.1
304.30007					2105226 ± 108747.5	2694298.5 ± 2311151	1190312.7 ± 611464.3	1171509.5 ± 477219.3	1337242.6 ± 870399.6	1939614.6 ± 1706499.6
239.08555					21090.7 ± 28121.4	26742.8 ± 45189.2	93969.9 ± 72031.9	19087.7 ± 32834.5	32534.7 ± 66497.9	23026.5 ± 49576.6
617.06021					2110.5 ± 7311	25039.5 ± 35008.7	24701.2 ± 34937	13453.5 ± 23366.9	13395 ± 19929.6	11886.9 ± 33935.2
210.07341					212769.3 ± 12579.2	134158.1 ± 98468.2	1016.1 ± 3519.9	278314.7 ± 122715	107768.7 ± 64593.7	2037.2 ± 7057.2
295.99814	7-Nitronaphtho[1,2-D	C10H5N3O6S			212830.4 ± 22966.3	368453.7 ± 35555.1	584868.3 ± 410492.7	219586.4 ± 160461.9	301719.8 ± 317043.2	318944 ± 316862.1
147.04452	Coumarin	C9H6O2			21475.5 ± 105405	24140.6 ± 12522.4	35311.7 ± 16013.3	11330.6 ± 10098.3	24382.8 ± 5127.8	18802.2 ± 13022.3
300.00418					21480.8 ± 50368.8	38792.7 ± 91761.1	57617.7 ± 135765.6	9727.9 ± 33698.5	13649 ± 47281.4	41184 ± 78521
347.07693	LMPK12111267	C17H14O8			21768.4 ± 12894.6	52006.2 ± 9750.9	215739.2 ± 166894.4	8392.3 ± 29071.8	16121.5 ± 55846.7	66115.2 ± 102241.8
357.97648					21797.9 ± 24376.6	35256.1 ± 55034.6	77859.2 ± 72988.4	22483.4 ± 26887.9	72790 ± 37466.1	23369.1 ± 37355.4
314.10792	Tert-Butyl 3-(trifluoro	C12H16F3N3O2			21829.6 ± 51074.1	33314.2 ± 60459.3	10377.9 ± 35950.1	5469.5 ± 18947	7069.5 ± 24489.4	21333.8 ± 49892.3
243.18497	5-(3-butylpyrrolidin-3-	C16H22N2		Human exposure	218425.8 ± 168601.1	122156.8 ± 95332.8	9066.6 ± 16657.4	287123.9 ± 165620	250874 ± 225617.4	79362.7 ± 79039.5
365.10049	N-[5-(1H-Indol-3-ylme	C19H16N4O2S			219049.6 ± 421465.9	1289301.2 ± 1063249	822751.4 ± 1079560.3	606652.1 ± 674265.9	929132.4 ± 887131.2	784413.9 ± 832919.1
373.97182					219980.2 ± 147715.8	414294.4 ± 266489.3	520523.7 ± 388182.8	165830.2 ± 100087.2	357839.2 ± 243218.6	409711.1 ± 258996.6
173.04263					220673 ± 56565.2	128961.2 ± 24812.7	26365.2 ± 11626.1	171947.1 ± 30333	99968.5 ± 41557.3	132661 ± 132895.4
296.16721					2218.4 ± 7684.9	63947.1 ± 59423.6	104488.6 ± 80068.5	3681.3 ± 12752.2	8186.8 ± 2859.8	28517.5 ± 56403.5
467.05258					22517.1 ± 61019.6	64433.2 ± 102655.5	53834.2 ± 128240.3	18346.9 ± 63555.4	16888.8 ± 58504.4	25278.4 ± 89125.7
237.15953	Procaine	C13H20N2O2		Human exposure	225262.3 ± 476618.6	1566066.4 ± 355758.1	526424.6 ± 134984.1	93191666.7 ± 14316389.7	93191666.7 ± 24684719	47716666.7 ± 15632415.8
266.07503	5-[(4-Fluorophenoxyl)N	C12H12FN3O5			225238.2 ± 129368.9	299036.1 ± 203143.1	469111.4 ± 185724.1	301533 ± 72356.7	168365.7 ± 133119	352784.3 ± 182721.9
363.08997					22663.6 ± 78508.9	64010.8 ± 117919.1	90200.2 ± 118770.9	4587.5 ± 15891.7	40924.8 ± 74601.3	120199.1 ± 125043.4
211.14427	Gancidin W	C11H18N2O2		Human exposure	22858.3 ± 14374.3	23095.8 ± 19562.5	31389.8 ± 21917.2	9569.5 ± 12057.7	15181.5 ± 12604.2	14012 ± 14968.7
273.09256	5'-Fluoro-2'-hydroxy-4-	C16H13FO3			22867.8 ± 29593.6	29517.3 ± 59417.7	23135 ± 58103.6	49135.5 ± 87964.8	63545.4 ± 94336.1	109510.1 ± 141785.1
326.17616	Docosan-1-amine	C22H47N			230463.16 ± 128947	326235.5 ± 312974.2	146637.2 ± 95016.2	121287.2 ± 48825.8	152658.8 ± 104749.8	210225 ± 170821.3
208.0943					23093 ± 18572.2	3035.2 ± 7089.2	13336.4 ± 10574.3	20594.9 ± 16128.9	9482.1 ± 12365.6	3950.5 ± 7188.7
606.98076					2318.2 ± 8030.4	11461.4 ± 17564	9867.8 ± 18849.8	3701.4 ± 8701.9	13159.4 ± 20154.3	8698.5 ± 16301.9
221.06004	5-Nitroso-N-acetyl-D,L	C7H12N2O4S			23362.5 ± 27645.6	37486.3 ± 33584.7	43155.5 ± 37379.7	135201.1 ± 145661.1	45770.5 ± 36088.1	43138.3 ± 32049.2
270.17976					233784.2 ± 37094.1	310695.3 ± 68903.8	326988 ± 55107.1	244397.5 ± 29467.8	20886.4 ± 78552.4	239371.3 ± 58654.4
361.33325					23478.5 ± 35784.3	22687.7 ± 65411.1	11753.1 ± 32545.3	28370.8 ± 36035.3	12000.1 ± 36369.9	15942.4 ± 21324.3
168.08554					2363.8 ± 8188.4	4047.9 ± 9511.5	3996.3 ± 9359.1	25665.3 ± 48118.5	7960 ± 15327.9	7693 ± 11412.2
203.11764					23738.3 ± 55462.2	11835.4 ± 22313	8182.2 ± 10336.8	11534.1 ± 27843.6	22974.6 ± 2938.8	24976.3 ± 16770.6
155.03341					23756.5 ± 15216.1	18866.4 ± 21904.7	25743.9 ± 23812.6	7216.6 ± 11010	1544.3 ± 5349.8	7780.5 ± 14132.3
273.11784					23800 ± 55774.1	55945.8 ± 88080.9	73878.9 ± 126218.4	6663.2 ± 23082.1	44299.9 ± 53770.4	64995.7 ± 108257.7
340.39442					23914.4 ± 16089.9	32040.9 ± 34246.2	13421.3 ± 15151.5	5547.3 ± 10283.4	16935.4 ± 27216	20960.8 ± 27373.1
430.94885					23920.6 ± 56419.4	31129.7 ± 72728.9	52477.4 ± 98411.7	3699 ± 12813.6	7201.6 ± 24946.9	37853.6 ± 70225.7
332.33092					242050.2 ± 104683.1	2940936.7 ± 2440322	1293598.5 ± 746314.1	1280677.8 ± 533209.7	151164.2 ± 925876.4	2247657.8 ± 2014329.3
296.29453					24359.4 ± 28689.3	45141.5 ± 45562.5	21508.7 ± 28697.9	6649.2 ± 12484.5	24802.1 ± 36277	33905.2 ± 39052.9
257.94848					2442.3 ± 5741.6	20885.2 ± 13229.7	29432.4 ± 26917.2	3388.1 ± 6155.2	13718.8 ± 10503.6	22589.5 ± 20642.7
540.98112					24452.9 ± 38173.3	48164.6 ± 61382.1	70519.8 ± 60733.5	26661.7 ± 43389.6	40331.7 ± 45323.2	31989.4 ± 61248.5
509.98942					24483.6 ± 66655.6	99191.2 ± 97912.8	108409 ± 105488.3	15229.8 ± 33112.6	57226.6 ± 64959.4	87806.3 ± 113669.9
284.3312					244978.5 ± 168515.8	330793.1 ± 340780.7	185521.2 ± 110727.8	108091.8 ± 52616.8	178810.6 ± 175552.1	326864.2 ± 222743.5
326.06647					246204.4 ± 199082.5	443276.5 ± 338759.4	521518.1 ± 541957.1	45577.3 ± 93648.9	312752.1 ± 314658.7	272021.4 ± 286003.5
261.09376					247379.6 ± 111000.2	109976.7 ± 83149.2	84166 ± 37471.1	121063.8 ± 96537.5	118506.9 ± 45672.1	85471.1 ± 38703.7
137.02504					24777 ± 14665.1	25154.7 ± 25532.5	38673.3 ± 30066			

277.23785					30092.6 ± 22454.9	78203 ± 32531.5	101987.1 ± 21791.9	4039.2 ± 13992	33309.4 ± 35878	106618.7 ± 27186.9
417.93599					30294.8 ± 33714.8	60563.2 ± 42156.9	59562 ± 52687.1	27538.4 ± 26192	42109.4 ± 29661.4	64510.3 ± 54328.2
277.08979					311975.8 ± 104128.1	85658.9 ± 130373.3	138569 ± 225260.3	140990.8 ± 74867	136575 ± 94357.3	153741.8 ± 203893.7
280.00332					314054.2 ± 261830.5	430569.3 ± 314241.1	444204.3 ± 349855.4	209849.5 ± 144259.5	517449.4 ± 240673.9	345664.5 ± 320489.8
373.97209					3179.9 ± 11015.6	9898.4 ± 20404.6	21621.5 ± 44234.4	1827.3 ± 6330.1	26627.7 ± 34630.6	11623.8 ± 28722.7
540.96929					3192 ± 11057.5	3453.4 ± 11962.8	4182 ± 14487	10682.4 ± 24950	2088.9 ± 7236.1	15482.1 ± 36167.8
350.94626					3204.6 ± 7604.1	2567.5 ± 8894	14816.1 ± 19199.5	2572.1 ± 6020.1	2597.6 ± 8998.4	9940.9 ± 15776.7
462.08076					32520.3 ± 64305.6	76395.2 ± 74660.1	93402.1 ± 122176	39746.9 ± 44795.6	108681.1 ± 59649	68773.4 ± 63915.5
226.10562					326438.4 ± 170285.6	124490.4 ± 71577.8	23812.7 ± 18704.8	303409.8 ± 116044.1	97032.2 ± 51156.1	10595.2 ± 13980.1
217.05406	2-(1,3-Thiazol-4-yl)-1H	C10H8N4S			3278 ± 7708.4	1945.7 ± 6740.2	6926.4 ± 23993.6	2573 ± 8913	2617.4 ± 9067.1	3531.4 ± 8400.4
201.05498	3-Hydroxy-3H-benzof[d]	C12H8O3			32016.4 ± 20021.1	50268.4 ± 29870.2	48955.3 ± 41726.8	15028.9 ± 13810.3	11567.9 ± 23430.9	20006.9 ± 24504.1
239.02153	1-(4-Chlorophenyl)-2,4	C10H7ClN2O3			33095 ± 21539.2	7105.2 ± 19338.7	2166.8 ± 7505.9	31629.4 ± 17667.4	37533.4 ± 41887.8	22420.4 ± 30069.5
311.99258					33143.9 ± 47232.3	89924.7 ± 96848	174916.6 ± 145210.9	27753 ± 30482.7	125187.2 ± 97875.4	107271.7 ± 105858.6
651.22171					33517.1 ± 33036.4	45144.7 ± 46935.1	37405.7 ± 43648.2	15043.5 ± 19642.6	26602.9 ± 43861	40885.9 ± 45705.3
321.11519					336139.6 ± 279073.1	244500.6 ± 174349.8	23774.3 ± 82356.7	196311.8 ± 165954	101438.9 ± 98454.1	5521.7 ± 19127.6
250.07827					3391.5 ± 11748.6	12399.2 ± 42952.1	20208.6 ± 47201.1	12291.8 ± 23315.6	37434.1 ± 70703.7	30787.6 ± 56238.2
245.08665					3393.5 ± 11755.4	30695.9 ± 29773.5	18953 ± 20102.6	14874.3 ± 22617.1	38460.7 ± 31287.4	21622 ± 17513.7
311.29461	11Z-Eicosenoic acid	C20H38O2			33995.3 ± 42306.3	72124.6 ± 82675.1	28457.5 ± 31529.4	15777.5 ± 25095.4	44248.6 ± 37478.8	48730.2 ± 57694.8
227.11785					34044.7 ± 51286.1	4335.6 ± 15019.1	15003.8 ± 12561.5	25919.3 ± 49215.7	14597.3 ± 34100.6	77506.4 ± 52751.8
419.37601					34084.5 ± 51276.9	36193.4 ± 119202	33951 ± 91612.2	27570.8 ± 49287.7	15158 ± 35049	31619.1 ± 61058.2
273.03935	Quinalizarin	C14H8O6		Human exposure	341552.2 ± 215422.1	404419.5 ± 302211.9	261959.7 ± 129552.9	253397.6 ± 176252.4	315987.1 ± 307108.6	
183.11248	3-(tert-butyl)-1-methyl	C9H14N2O2		Human exposure	34680 ± 38297.2	5892.1 ± 14234.5	5442.9 ± 10038.5	6848.6 ± 19930.6	4735.4 ± 13992.5	11018.3 ± 3527.6
295.99847	7-Nitronaphthal[1,2-b]	C10H5N3O6S			34828.6 ± 22723.9	66441.6 ± 42640.4	76933.5 ± 50964.3	22477.5 ± 14214.4	65821.2 ± 23359.2	57660.8 ± 34930.6
268.29932					34890 ± 40028.9	69352.6 ± 116313.2	5601.5 ± 10310.8	2809.2 ± 6562.3	16758.2 ± 26371.9	22512.9 ± 42758.2
280.98049					3545.1 ± 9722.5	13129.2 ± 13492.5	12952.8 ± 18543.7	3102.4 ± 7249.6	11255.6 ± 14853.1	10805.2 ± 14118.4
227.15498					36350.1 ± 8555.5	54594.7 ± 71223	14336.2 ± 26609	13861 ± 48016	35317.4 ± 55004.5	41874.6 ± 52298
161.10731	Tryptamine	C10H12N2			36654.1 ± 30917.3	79632.2 ± 72551	45850.4 ± 19152.5	127669.1 ± 394226.7	2098706.2 ± 908707.4	2457446.2 ± 1431725.6
525.01214					36867.9 ± 73594.5	88160.1 ± 109499.1	82876 ± 140468.5	29311.9 ± 62843.9	65699.8 ± 64463.7	68595.9 ± 140362.4
525.01222					36870 ± 88524.5	76219.3 ± 137928.6	40748.1 ± 96575.5	41179 ± 96568.5	16918.7 ± 58608	86940.7 ± 165557.3
267.16753					3709.6 ± 6834.4	35842.6 ± 22527.8	70264.8 ± 38245.1	14539.4 ± 13162	31983.2 ± 17426.8	46514.3 ± 32159.2
209.08945					37594.3 ± 25478.1	40996.5 ± 35945.2	5613.1 ± 8297.9	38390.5 ± 16807.8	25910 ± 21584.3	1359 ± 4707.6
392.0503					37760.6 ± 52130.3	74345.5 ± 91719.7	121113.8 ± 127637.2	18951.2 ± 34307.4	92519.7 ± 78618.6	45800.9 ± 69052
271.14359	NPA000657	C16H18N2O2	pesticide	Human exposure	37923 ± 9925.1	258183.9 ± 274546.2	276362.8 ± 91873.6	4493949.8 ± 1748591.4	6138523.2 ± 3931974.2	10022767.3 ± 5415713.7
395.41179					37929.2 ± 72749	72982.6 ± 224856	93382.7 ± 278203.1	45873.8 ± 95920.7	7411.2 ± 11285.4	18749.7 ± 3942.3
191.15455	4-Azepan-1-ylaniline	C12H18N2			380102 ± 5196357.3	466763.3 ± 176032.7	398276.7 ± 186669.6	312828.1 ± 128613.1	302286.3 ± 135104.3	426941.5 ± 216630.2
268.26338					38095.7 ± 34148.4	63018.6 ± 46351.9	46117.3 ± 36064.8	17202.9 ± 16832.2	50445.8 ± 55997.4	52661.5 ± 52624.4
247.07912					380941.5 ± 171390.2	206377.6 ± 57068.6	97961.7 ± 43133.4	345122.7 ± 114398.4	175894.9 ± 77684.9	113901.4 ± 34472.9
263.10102					381608.6 ± 271392.6	1872881.3 ± 491127.3	1219679.8 ± 292968.9	243973.6 ± 156255.9	497058.8 ± 211944.3	882455 ± 249264.8
290.04234					3818.8 ± 13278.7	5051.5 ± 17498.9	27206.4 ± 49824.6	4891.9 ± 11472.8	16171.6 ± 29331.4	21251.8 ± 39652.8
390.97897					38263.3 ± 41566.8	70685.6 ± 63452.6	66213.8 ± 114409.1	31340.4 ± 33342.1	103538.9 ± 69607	61602 ± 72448.2
360.36247					388916.9 ± 226567	478107.2 ± 374402.1	207439.1 ± 140277.7	207398.4 ± 87466.1	264005.9 ± 166034.5	358877.5 ± 300978.4
266.99589					3892.7 ± 9319.7	12193 ± 16206.1	16854.5 ± 19899.3	1673.3 ± 5796.3	8846.4 ± 18378.3	14898.8 ± 16256.3
321.06594	2,4-D Butoxyethyl est	C14H18Cl2O4			38938.6 ± 67673.5	107857.7 ± 238325.3	16261.7 ± 18141	10803.7 ± 37425	40821 ± 101475.1	26252.6 ± 37593.6
493.98838					39366.2 ± 69275.5	23099.2 ± 80017.9	34620.7 ± 94419.8	26588.9 ± 50501.4	16504.4 ± 57173	107401.4 ± 147320.7
225.15995	1,6-Hexamethylenedi	C12H20N2O2		Human exposure	39604.2 ± 25953.4	43796.8 ± 28072.4	25731 ± 27062.1	28665.4 ± 56359.9	47680.9 ± 62414.1	87937.5 ± 68629.7
547.32126					40349.7 ± 61167.7	117461.1 ± 217812.7	91568.9 ± 220092.9	148327.6 ± 96278.6	105500.6 ± 166575.9	314886.5 ± 373856
370.03014					40514.4 ± 89788.2	109151 ± 105785.9	104787.9 ± 107709.8	40484.5 ± 44866	94717.9 ± 82005.8	103277 ± 117924.4
492.97956					40619.5 ± 78470	78178 ± 96113.6	59426.8 ± 85244.2	21559.3 ± 33011.2	87008.7 ± 76302.5	6191.4 ± 97258.1
197.12148					40673.7 ± 7448	5908.9 ± 8837.4	7104.5 ± 10683.3	1113.4 ± 3857	2976.8 ± 5507.1	1963.6 ± 4689.4
280.97978	3,5-Dinitro-4-hydroxy	C8H6N2O7		Human exposure	40704.1 ± 75141.3	75071.3 ± 104912.4	95165.3 ± 120737.8	37277.4 ± 63978.9	46941.6 ± 74193.4	105603.1 ± 110475.1
406.1319	N-Acetylglucosamine	C14H25NO11			407084.2 ± 401176.5	437388.4 ± 366742.5	205125 ± 305754.7	367166.4 ± 249916.8	322814.1 ± 247861.5	161097.8 ± 289238.6
347.31632	1-O-(2-methoxy-hexa	C20H42O4		Human exposure	413821.6 ± 680065.9	137392.4 ± 250803.6	83449.2 ± 151519.5	279151.5 ± 339231.2	74608.1 ± 169583.8	120804.8 ± 192645.1
115.03729					4151.3 ± 6153.1	2000.8 ± 4716.6	11009.4 ± 6894	844.1 ± 2923.9	966.3 ± 3347.4	4816.4 ± 8735.2
257.09935					41518.5 ± 63967.4	4963.9 ± 11895.6	14204.7 ± 22500.6	3488.4 ± 12084	17909.7 ± 24023.5	20153.5 ± 22869.8
223.14318	3-Hydroxymonoethylg	C12H18N2O2			41537.9 ± 53966.9	35399.9 ± 22899.2	9147.8 ± 11831.5	381993.7 ± 79997.9	239107.9 ± 125043.8	216880.4 ± 89141.4
390.98082					42441.1 ± 37997.8	90631 ± 60767.8	88816.9 ± 85228	56960.4 ± 39380.7	64646 ± 54867.7	62366.9 ± 60956.9
197.98923					4233.2 ± 9893.4	7926.6 ± 18742.4	15882.2 ± 26638.2	830.8 ± 2877.9	1544.3 ± 5349.6	11271.5 ± 16260.2
139.05411					4244.1 ± 7869.4	11395.5 ± 10834.9	12983.2 ± 12003.5	982.2 ± 3402.5	11157.4 ± 11019.2	9578.5 ± 10213.4
290.01618	1-(5-Iodo-pyridin-2-yl)	C9H12IN3		Human exposure	4258 ± 14750.1	9488 ± 18016.6	6882.2 ± 13040.9	1236.3 ± 4282.6	3302.3 ± 7739.2	4073.8 ± 10976
221.12834					42720.9 ± 40634.7	99748.4 ± 18337.9	7043.4 ± 10483.6	393282 ± 93327.4	274410.5 ± 143787.3	213572.3 ± 87348.8
314.9247					43546.3 ± 26135	65566.3 ± 35542.7	68372.7 ± 43060	7536.3 ± 17631.1	65152.8 ± 46189.9	39444.4 ± 39858.2
234.0189	6-(Trifluoromethyl)-2H	C9H6F3NO5			443487.1 ± 423774.4	753222.2 ± 703775	879581.5 ± 963717	546655.2 ± 272835.3	1046871.2 ± 662228.3	1017814.1 ± 567056.8
336.29052					4443.5 ± 15392.7	18877.7 ± 18531.8	13541.4 ± 18302.9	5526.9 ± 12969.8	1499.1 ± 5193.1	3771.9 ± 13066.2
277.98264					44679.9 ± 97063.4	83558.2 ± 145672.6	108087.4 ± 177134.8	19587.2 ± 36449.1	22873.7 ± 38581.6	101852.9 ± 137368.2
144.08077					45294.2 ± 28611.5	63546.6 ± 47116.5	58403.7 ± 39906.9	66342 ± 32459.8	13574.9 ± 31704.5	3599.3 ± 12468.2
245.04878					4536.9 ± 15716.3	10634.4 ± 25102.1	12845.1 ± 29999.9	3178.4 ± 11010.4	5967.6 ± 14252	12204.4 ± 22136.8
226.07743					45524.4 ± 68223.4	83165.9 ± 70277.3	102394.5 ± 85982.4	6838.3 ± 23688.6	33797.7 ± 81867.4	47615.5 ± 70848.7
175.11858					4583.5 ± 8485.9	11897.8 ± 18705.3	5962.5 ± 8941.1	8640.8 ± 11020.3	9907.5 ± 15052.6	6894.7 ± 10371.3
571.92786					4585.2 ± 15883.5	7361.4 ± 17235.7	11758.2 ± 21281.7	3545.5 ± 12282	15505.4 ± 23460.8	8649.4 ± 20284.6
398.24118					460955.8 ± 159130.4	676549.8 ± 380057.8	659734.6 ± 209820.1	631293.6 ± 150416.3	548646 ± 206599.4	662499 ± 283129
181.06527					46558.9 ± 49511.7	83796.6 ± 49229	101318.7 ± 67633.5	16808.2 ± 19425.4	81467.1 ± 95131.3	79911.9 ± 54628.6
501.08078					46889.6 ± 80351.1	27939.4 ± 96784.8	53147.4 ± 103313.4	65015.8 ± 167012.7	51098.8 ± 119769.9	115973 ± 279020.4
489.03407					46912.5 ± 110648.7	85088.6 ± 162261.6	129439.8 ± 214773.2	16604 ± 39888.8	25149.5 ± 87120.6	73745.9 ± 127401.5
233.08648					4784.4 ± 8827.1	7425.5 ± 17522.3	42790.5 ± 39245.9	8445.9 ± 12686.5	10871.7 ± 17986.3	23888.7 ± 30784.9
247.1805					48387.3 ± 85698.4	15408.4 ± 36079.9	8330.9 ± 15294.9	26550.3 ± 63637.3	143377.8 ± 125261.6	202948 ± 124092.4
272.02606										

248.06149	4-Chloro-6-[3-Methoxy	C9H14ClN3O5		6165.8 ± 12427.9	47941 ± 39206.1	30099.4 ± 41505.5	10128.8 ± 12818.3	23757.9 ± 31052.2	44824.8 ± 53380.2
197.05985	Xanthone	C13H8O2		61998.6 ± 50634.7	108552.4 ± 65897.9	126757.3 ± 80330.3	45004.9 ± 35077.4	88759 ± 56299.5	120148.7 ± 70522.5
314.915				6204.1 ± 9394.8	3969.6 ± 9684.9	14943.1 ± 19207.2	6095.9 ± 9055.8	1668.6 ± 5780.1	9387.2 ± 22126.7
257.04677	(3E)-3-[(4-Chlorophen	C14H9ClN2O	Human exposome	62107.6 ± 27275.9	94024.2 ± 19501.2	130193.7 ± 25968	39576.7 ± 16108.7	36899.2 ± 15659.2	42397.3 ± 9266.6
524.06004				62207.1 ± 77869.9	102506.3 ± 110690.9	170245.6 ± 179651.5	69372.3 ± 57349.3	144550.1 ± 87682.1	86146.6 ± 98949.1
235.1187	ascr#11	C10H18O6	Bacterial origin	630510.3 ± 176052.5	1152213.1 ± 433962.1	1485373.3 ± 480658.6	208832.8 ± 379663	647164.9 ± 311889.5	791225.2 ± 321651.2
263.97231				6341.6 ± 9931.4	11893.3 ± 22673.8	20591.5 ± 34846.8	1468.6 ± 5087.2	20064.9 ± 21636.9	11172.7 ± 26252.2
229.05501	1-Phenyl-1H-pyrazolo	C11H8N4S		6390.2 ± 15258.1	10593.3 ± 25373.1	9905.1 ± 23352.8	3443.6 ± 11928.8	12387.6 ± 2577.2	2941.5 ± 10189.8
284.08856	Risedronate	C7H11NO7P2		63917.5 ± 58925.6	104919.9 ± 90178.2	120521.2 ± 105082	52643.2 ± 54519	77276.9 ± 71531.3	106094.4 ± 85459.7
427.06013				64138.5 ± 103285.6	101617 ± 138219.2	149057.6 ± 167585.2	83197.6 ± 99923.9	94926 ± 91717.6	104969.9 ± 137549.6
297.07917				64285.8 ± 33453.4	77023.5 ± 36876.9	38794.8 ± 34497.2	70447.2 ± 6169.7	48888.7 ± 25404.1	24645.4 ± 31369.7
212.23696				64489.8 ± 65370.2	149097.9 ± 243714.7	16434.5 ± 18454.9	10094 ± 10199.7	31025.2 ± 42467.8	42922.2 ± 71588.9
207.18554	N1-Benzyl-N2,N2-diet	C13H22N2		64543.3 ± 120999.5	95095.2 ± 64021.2	22531.4 ± 24613.8	128776.8 ± 91435.5	84086.5 ± 73912.9	62864.5 ± 51634.3
221.16523	Prilocaine	C13H20N2O		64609.1 ± 40895.7	45326.5 ± 22979.6	11856.5 ± 10814	566632.5 ± 109075.9	437707.2 ± 232907.6	367723.1 ± 71738.3
263.9717				64663.3 ± 33000.3	149351.9 ± 62525	219435.8 ± 119862.1	55725.1 ± 34385.2	145382.8 ± 77201	150082.7 ± 88213.2
432.96337				65060.4 ± 98803	77597.2 ± 102420.8	195483.9 ± 196440.4	65348.4 ± 97698.6	84388.6 ± 109940.2	147951 ± 161594.8
574.26265				65200 ± 129787.6	446038.1 ± 250576.6	510032.8 ± 411443.2	98169.7 ± 135197.5	241689.1 ± 178696.8	524706.1 ± 390910.4
253.1906	1-(3-Hydroxypropyl)-3	C14H24N2O2	Human exposome	65305.7 ± 155187.6	66014.2 ± 73897.3	8326.8 ± 19636.4	6903502.9 ± 2421737.5	1074399.5 ± 568146.2	566491.5 ± 204134.2
279.25338				6722.5 ± 13459.5	9550.1 ± 12204	98711.8 ± 14801.3	1664.7 ± 5766.8	3535.5 ± 8351.3	13463.7 ± 17107.6
433.99677				6774.3 ± 13121.7	14808.3 ± 14690.2	14094.3 ± 17269.2	4393.4 ± 8157.4	18212.6 ± 14261	14208.7 ± 13413.8
361.01043				6779.3 ± 16365.2	26684.6 ± 19292.3	31797.5 ± 21228.3	8230.4 ± 14908.4	9835.9 ± 16139.6	25004.8 ± 24796.4
264.26806	Oleonnitrile	C18H33N	Human exposome	67792.2 ± 22425.8	71158.6 ± 28093.6	116823.1 ± 42979.5	58980.3 ± 18862.2	46619.6 ± 66644.4	73649.5 ± 30817.4
187.0399				68435.3 ± 36520.3	110668.3 ± 53473.3	113553.2 ± 62033.7	50164.9 ± 22843.2	65681.4 ± 57310.8	86462.6 ± 47902.8
394.9771	Bromomoniliclin	C16H11BrO7	Human exposome	68992 ± 43164.6	96694.8 ± 73058.1	113216.2 ± 90616.3	61621.1 ± 31168.5	111818.4 ± 74258.4	84587.5 ± 55369.5
368.87158				6932 ± 16797.4	7001 ± 24252.3	9963.3 ± 20813.1	11657.1 ± 24939	12509.1 ± 29730.6	31008.9 ± 75057.6
406.97315				6944.6 ± 10994.6	20030.2 ± 13953.1	22310.5 ± 17180	3418.6 ± 6191.2	19055.1 ± 17255.9	11740.8 ± 15304
253.98741				6964.2 ± 14012.7	21354.2 ± 13640	17792.2 ± 24238.3	2863.8 ± 6756.3	20773.9 ± 22643.4	14544.8 ± 16170.1
377.32108				7068 ± 18965.2	4242.2 ± 14695.5	5207.5 ± 12660.3	6995.4 ± 16499.1	7284.4 ± 25234.5	6093.8 ± 14756
256.30009	N-Methyldiethylamine	C17H37N		71372.3 ± 50079.6	99273.8 ± 104111.7	52072.3 ± 32657.1	26217.4 ± 20152.4	48325.8 ± 56616.4	70539.3 ± 91277.6
240.12118	4-Carbamoyl-1-[(S)-4	C10H15N4O3	Human exposome	72366.9 ± 45791.1	16795.2 ± 19513.5	3633.3 ± 12586.2	36288.1 ± 24100.8	8322.8 ± 12591.1	4318.8 ± 14960.8
450.20863				72394.1 ± 114292.7	52993.2 ± 183573.8	31690.2 ± 109778.1	116635.1 ± 147959.7	109939.8 ± 183806.7	55409.3 ± 129511.2
175.12062				73340.4 ± 31621.8	57475.8 ± 42911.2	62462.6 ± 48448.7	68577.6 ± 62380.5	82795.3 ± 73167.5	70551.7 ± 88831.8
244.13217				74424.2 ± 57452.3	104071.9 ± 70383.6	141487.3 ± 59680.6	96703.1 ± 33649.7	53211.3 ± 60508.4	78639.1 ± 61847.5
228.06196				74429.1 ± 64862.5	42744.5 ± 66077.7	87716.8 ± 102599.1	55748.4 ± 49919.1	68476.4 ± 82618.4	56880.7 ± 14756
457.03				7662.5 ± 12169.6	15594.8 ± 15422	17152.8 ± 18777.4	3603.3 ± 12482.1	11580.1 ± 14200.7	15440.5 ± 14200.2
280.09062				77799.2 ± 97274.7	153131.9 ± 146711.2	114723.1 ± 145789.5	92116 ± 100769.3	27626.4 ± 70847.1	32154 ± 76107.9
464.91324				7900.4 ± 18855.7	7770.7 ± 18173.9	6220.3 ± 21547.6	6969.1 ± 16401.9	9380.9 ± 21963.3	7899 ± 19031.5
137.02363				80408.5 ± 50484	91421.2 ± 70062.8	165720.5 ± 110094.6	59560.6 ± 31945.4	53965.6 ± 44250.5	71306 ± 68865.2
466.91829				8061.7 ± 15166	5476.1 ± 13245.5	9525.6 ± 22503.6	5424.4 ± 12977.5	5766.7 ± 13882.4	6415.7 ± 22917.3
419.19774	ethyl 3-[(4-methoxyph	C25H26N2O4	Human exposome	81458.2 ± 123108.9	143213.7 ± 188160.8	14080.7 ± 21637.9	105843.2 ± 112712.5	16967.5 ± 41487.3	96468.8 ± 141866.1
431.00181				82177.8 ± 108092.3	160391.1 ± 148154.1	158993.6 ± 146403.2	81476.8 ± 55710.7	189543.5 ± 116088.1	152560.1 ± 153404.5
104.06858	7H-[1,2,4]Triazol[4,3	C3H5N7		8257.6 ± 8809.7	6957.3 ± 10330.4	2974.1 ± 6948	5729.9 ± 8979.1	6613.4 ± 8223	4503.4 ± 8154.5
137.02313				83500.2 ± 90102.4	73238 ± 82319.3	67730.2 ± 95537.6	28893.1 ± 41021.9	37221.9 ± 41460.8	15768.8 ± 54624.9
265.08903				84016666.7 ± 2337558	47091666.7 ± 945779	9299265.8 ± 2245417	62408333.3 ± 13172937.7	36975000 ± 15442981.6	7428908.6 ± 2477277.9
233.12877				84495.9 ± 64541.1	4754.3 ± 16469.5	12232.4 ± 28582.1	412451.3 ± 57006.3	116245.7 ± 71354.9	132021.1 ± 47976.7
185.10673				8450.1 ± 29272.1	17625.8 ± 33052.5	34623.4 ± 17868.2	482011.1 ± 55813.4	274337.3 ± 107362.1	356445 ± 77307.2
341.30369				8507.9 ± 10618.2	10135.8 ± 12775.5	24355.5 ± 12619.4	5651.3 ± 8478.5	9498.7 ± 10125.8	15566.7 ± 9818.7
600.00097				8513.3 ± 23155.8	27250.2 ± 26995.2	22067.5 ± 28039.6	3167.9 ± 7447.5	30562.7 ± 38294.3	31531.5 ± 30485.2
247.09506				8515.5 ± 16451.9	25725.2 ± 39611.7	43898 ± 70157	3460.2 ± 8092.4	9351.8 ± 19117.7	27862.7 ± 43046.8
279.96725				8579.1 ± 20436.1	13766 ± 32542.9	28424.1 ± 54180.1	2630.7 ± 6220.9	2706.6 ± 9376.1	19980.9 ± 33067.6
241.11562	Meprobamate	C9H18N2O4		85977.1 ± 66709.4	75227 ± 53681.6	3324.2 ± 11515.3	113449.3 ± 49996.2	39555.7 ± 39250.9	1491.7 ± 5167.5
259.18011	4-(2-(Diethylamino)et	C16H22N2O	Human exposome	85991.2 ± 201098.6	143213.7 ± 188160.8	14080.7 ± 21637.9	311074.1 ± 371717.6	291766.6 ± 403007.9	59515.2 ± 141767.7
214.00575				8659 ± 21846.5	13416.7 ± 28046.4	29748.3 ± 59166.8	1969 ± 6820.7	5019 ± 12438.2	19898.7 ± 36720.4
243.13329	1,3-Di-morpholin-4-yl	C11H18N2O4		8711.1 ± 11061.5	7156.5 ± 17475.1	22055.7 ± 22744	1734.6 ± 6008.8	3839.7 ± 9247.6	5373.1 ± 7986.1
326.06972				8731.1 ± 30245.3	19293 ± 66832.8	27285.6 ± 94520.2	130994.9 ± 92368.3	149680.3 ± 234934.4	92455.7 ± 176538
173.0593	Menadione	C11H8O2		8808.6 ± 11380.3	15660.9 ± 20223.8	93729 ± 19116.6	10441.5 ± 11491.6	11440.4 ± 15409.5	8766.7 ± 13254.6
194.07456				8902.6 ± 21622.3	24051 ± 18402.7	29072.5 ± 21278.6	1543.5 ± 5347	4715.1 ± 11397.9	12249.6 ± 16118.9
375.03858				89756.4 ± 133112.2	208989.1 ± 273623.2	145918.8 ± 288747.9	140100.6 ± 159359	210162.3 ± 232803.7	56351.2 ± 149512.6
231.1489				89891.1 ± 141359.9	58538.4 ± 37619.3	15268.5 ± 23569	87129.8 ± 115254	81689.9 ± 54836.6	22397.2 ± 26238.5
295.99755	7-Nitronaphtho[1,2-D	C10H5N3O6S		899194.8 ± 499119.4	1772314.9 ± 721723.9	2634376 ± 1414829.1	829935.2 ± 460907.8	1805479.3 ± 871533.3	1845166.3 ± 824092.2
245.04452	Urolithin C	C13H8O5	Bacterial origin	91411.4 ± 19695.4	120399.1 ± 41302.9	153149.2 ± 38952.2	79143 ± 14175.3	92763.2 ± 33706.1	96442.7 ± 18289.5
232.02407				9158.1 ± 17204.9	24868 ± 30973.6	42730.2 ± 53099.7	19852.5 ± 20355.4	34537.7 ± 45012.6	43030.4 ± 34463.1
130.0654				9193.8 ± 8742.6	15506.3 ± 10601.9	15002.9 ± 13773.5	121285.4 ± 50165.3	188946.6 ± 127485.6	251809.7 ± 192093.6
369.35177	3-Deoxyvitamin D3	C27H44		9197.3 ± 8312.8	4124.5 ± 7463.7	17141.6 ± 10996.2	962.7 ± 3334.9	1180.6 ± 4089.7	6080.6 ± 9693.6
213.05625				92637.6 ± 180192.4	132022.8 ± 239160.2	140079.1 ± 253422.9	57604.8 ± 104726.1	146146.9 ± 227838.5	216499.9 ± 229595.3
217.04953				93690.3 ± 74587.7	196058.2 ± 93325.5	220822 ± 123919.2	90371.7 ± 54540.7	112358.6 ± 67358.2	141600.2 ± 70204.4
224.06552				9385.3 ± 27635.6	34166.7 ± 77789.1	39995 ± 31397.1	1650.6 ± 5717.9	20435.8 ± 41064.8	34102.4 ± 32505.8
434.02878				9535.4 ± 22742.2	45395.3 ± 50003.7	62492.8 ± 68610	14760.4 ± 22085.3	66653.8 ± 57223.1	56754 ± 67230.1
499.17947	Kanokoside A	C21H32O12		95422.7 ± 89619.2	190633.2 ± 108064.9	149920.5 ± 105854.3	164808.9 ± 68396.6	154689.1 ± 97661.2	158434.6 ± 115681.4
152.06202				96247.1 ± 80494.6	142050.2 ± 74787.1	148914.1 ± 90665.1	68149.9 ± 29208.2	136709.5 ± 79778.7	135564.7 ± 72799.4
197.98954				9665.1 ± 12215.4	17775.9 ± 21489.3	41460 ± 51011.9	10608.8 ± 13570.5	20301.6 ± 28574.4	35808.5 ± 40276.9
368.42525				97185.7 ± 59731	139435.2 ± 126182.2	78569.4 ± 54519.1	48587.1 ± 29176.8	95465.5 ± 106704.8	108579.2 ± 104450
408.90397				9943.5 ± 18866.1	4720.7 ± 16352.8	17397.5 ± 33297.6	2250.5 ± 7796	5200.2 ± 18014.1	14484.3 ± 26731.9
296.95467				9958.9 ± 27720.1	31024.9 ± 30348.6	23836.6 ± 27740.5	9003.8 ± 16833.9	37792 ± 29339.2	25226.8 ± 27952.9

Supplemental Table 3: Metabolites that were differentially abundant and uniquely identified in nicotine-free and nicotine-plus

Metabolite ID (m/z score)	log2Fold enrichment	p-value (adjusted)	Metabolite ID (m/z score)	
			Unique to nicotine-plus	Unique to nicotine-free
396.9869	170279.309	4.77E-79	255.16974	229.06218
330.11529	71055.4846	6.48E-72	369.20166	223.13139
380.15243	33985.5108	8.36E-64	361.11284	307.0462
551.0138	30886.4715	1.27E-63	218.03885	252.04607
422.16437	31163.7777	3.85E-63	285.15976	425.13571
257.16436	23127.0452	6.00E-63	279.16976	197.10501
219.08153	16668.1994	6.24E-62	353.20557	235.06011
278.93742	14848.7166	8.47E-61	322.05854	225.09551
198.9975	13516.4255	4.74E-60	394.11191	568.24978
361.11245	11614.6291	4.61E-58	620.31382	180.09124
299.09783	12167.3804	1.69E-56	327.13408	230.0455
232.13285	9334.12825	5.28E-55	329.12113	267.1549
396.98761	13739.5144	8.81E-55	269.14638	515.96915
356.99542	8428.71066	2.55E-54	310.16322	296.12132
305.08419	9309.65576	1.63E-52	281.18522	149.10755
255.09705	5546.65603	6.76E-51	407.20022	392.01021
343.96759	5080.87454	2.05E-50	268.04162	294.08965
241.11656	5712.11167	2.19E-50	494.18548	405.07508
219.07859	4869.67918	2.48E-50	331.14793	350.98752
287.13884	13018.2154	3.02E-50	364.10478	377.14206
388.04478	8954.5851	3.31E-50	311.14897	289.12551
256.00126	4432.00213	2.07E-49	295.1025	309.16993
248.2119	3572.70472	4.24E-48	247.15673	423.17118
319.10087	4305.16602	2.48E-45	309.16639	312.04573
282.21786	3380.71494	1.02E-42	371.21617	466.22011
342.17809	2631.74506	1.69E-42	354.1393	379.96329
401.10523	2545.82759	1.35E-40	257.16502	275.12289
234.01841	2624.67245	3.27E-40	291.15791	302.08458
235.18038	2408.98505	5.03E-40	292.15899	280.06861
490.92312	1990.89546	2.08E-39	160.10591	288.12914
406.94474	1710.399	9.70E-39	328.17567	269.03249
292.20223	1369.03849	4.67E-38	300.09402	193.11271
278.93729	1212.29999	1.48E-37	583.0111	293.14595
262.07789	1402.43	1.66E-37	353.10558	236.17633
446.22524	1116.02934	4.98E-37	409.13042	290.0999
307.1526	1796.04713	1.37E-36	297.17952	604.29277
401.16028	1333.20601	1.32E-35	363.10501	317.21783
438.4163	990.665494	2.30E-35	398.19592	366.23865
261.12208	982.428594	7.24E-35	281.14959	292.13848

427.06027	826.379283	2.95E-34	405.20285	212.15999
364.08589	765.320355	2.53E-33	264.07107	181.09582
432.01055	751.303676	2.90E-33	197.06961	227.07951
322.92762	696.609095	3.22E-33	235.12905	391.15301
436.01073	695.933178	8.15E-33	281.17502	282.14229
293.97673	545.981853	9.52E-32	256.10513	257.13577
392.93178	555.833924	1.26E-31	296.21065	454.95215
280.97931	534.674463	1.27E-31	254.0204	238.07082
242.12507	565.795044	2.51E-31	392.1508	665.04413
202.1023	505.776231	7.00E-31	446.88657	361.23543
333.96471	514.58326	4.28E-30	355.18478	625.04971
314.9151	406.751413	5.46E-30	351.1173	235.10786
431.09974	482.909932	6.44E-30	225.09012	252.13428
265.089	439.290816	4.99E-29	146.09411	571.98938
240.08311	317.022565	1.04E-27	597.28618	288.07734
190.12273	16290.6229	4.91E-24	489.17117	253.23708
287.17507	546481.384	5.62E-16	413.18254	190.09109
357.18028	382860.153	5.92E-16	504.22034	356.00945
235.14339	540923.987	2.79E-13	106.06522	363.14046
208.13294	297403.268	2.47E-11	540.21377	355.26895
345.15414	56852.3368	2.52E-08	396.18126	462.21872
232.05927	18924.684	1.58E-07	493.21317	608.97402
258.05159	59714.975	1.51E-06	349.98185	461.21497
239.05549	23731.0963	5.24E-06	608.79535	312.117
234.13358	129274.365	5.29E-06	215.147	393.23894
141.10212	10806.6873	9.79E-06	380.94202	296.02689
273.15891	395244.098	2.06E-05	456.95194	352.14636
225.14032	28749.9293	9.20E-05	611.0115	507.25074
238.1117	8695.49483	0.00010458	473.14814	275.24781
264.14787	226802.986	0.00010938	237.02403	303.11942
324.11545	23778.6371	0.00011721	519.10426	543.11562
212.07032	30012.3789	0.00022968	349.28507	452.9735
341.26926	26418.316	0.00030183	631.84432	681.01039
351.16122	18827.5296	0.00040988	362.1429	378.18354
241.11607	12152.2896	0.00056509	235.05977	195.10156
365.20624	178999.304	0.00069714	672.9689	616.96239
189.12338	5854.20873	0.00071249	390.87934	313.00553
275.10975	319946.82	0.0007203	343.12032	449.19942
360.09048	35143.9762	0.00094618	359.09834	254.09228
104.10712	1945.08549	0.0014487	265.08919	476.95324
211.12308	96678.4479	0.00147941	271.10275	453.02165
203.05261	3647.95017	0.00174295	271.10083	274.15074
341.21944	27921.4567	0.00179998	255.1294	316.22122
219.18623	9706.72175	0.00195984	376.25956	286.22667
262.02071	6641.06483	0.00237214	436.20111	375.99969
277.11339	6907.21943	0.00374853	317.14921	593.26683
338.00929	31724.185	0.0037623	241.13131	352.02186
327.33701	15039.9486	0.00398075	327.15474	469.00823

244.03614	2710.75708	0.00516406	302.14653	401.14007
306.12652	69975.8136	0.00517342	323.15383	379.13161
394.94594	5496.54838	0.00520784	398.24107	357.28493
214.13524	30907.144	0.00583021	337.11634	381.93964
263.1742	29133.1069	0.00605761	337.11564	202.09526
236.05071	4906.56542	0.00695223	241.11987	288.24298
263.1516	33916.7598	0.00703875	341.16671	687.02958
			207.12726	459.18251
			357.24621	362.91798
			251.05341	464.99635
			279.16745	448.0166
			188.06699	509.97415
			279.16735	272.01822
			197.10377	392.97197
			339.13141	360.37323
			303.15233	373.2697
			304.08632	168.05762
			268.12679	608.98874
			250.24191	458.32782
			219.16739	288.28988
			315.96594	342.29223
			204.10027	314.22314
			180.09985	458.94001
			329.18399	158.0923
			297.15695	633.02503
			289.15051	506.92856
			337.08523	314.33049
			299.10785	388.27641
			461.22568	272.07133
			271.14427	347.33084
			271.14424	560.39575
			236.1368	723.00758
			362.16845	531.3887
			179.13369	327.29311
			269.18376	80.94812
			269.18591	275.22649
			179.09019	182.97886
			267.15771	302.24286
			261.15747	375.06669
			299.19703	315.13355
			233.07874	321.13848
			245.12429	265.089
			327.1999	265.08922
			194.09743	271.10334
			301.15431	277.10946
			225.13666	195.08976
			254.15945	227.03644
			337.14631	247.13786

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			328.14761	301.11663
			108.0796	249.9956
			327.2549	348.04877
			337.13264	166.08981
			209.18376	166.0862
			382.07681	166.08795
			399.27564	261.01729
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			115.03689	393.18904
			115.03683	350.08457
			195.14023	287.19742
			266.18373	213.07891
			447.15291	450.02329
			498.99507	332.07494
			311.19636	412.27253
			274.19061	209.12365
			184.09508	288.10633
			291.0102	304.08019
			256.0006	521.16147
			294.17148	290.11539
			289.15397	219.16558
			370.13278	370.03134
			329.13304	191.07721
			354.09136	280.14505
			274.09	212.13191
			280.02922	132.10231
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			265.09481	501.12576
			282.16153	269.12087
			474.2346	454.13336
			245.09872	278.0031
			413.28995	247.10244
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			267.27581	359.06276
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			307.16583	192.15807
			258.10236	188.08736
			417.18788	308.15436
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			335.15135	321.0867
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			287.15751	199.11167
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			283.12957	323.1131
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			389.165	266.11171
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			339.19149	397.19186
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			348.15036	399.14966
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			307.24683	205.08441
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			602.01347	234.07208
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			147.08774	320.11093
			233.08667	242.2823
			307.05674	219.08911
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			240.13176	235.06612
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			422.93726	294.17057
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			563.0357	244.12167
			233.13216	237.09462
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			247.07663	348.03487
			194.01771	344.30824
			277.23058	230.94585
			238.06199	397.97673
			317.25199	232.02467
			309.11893	355.97692
			259.08333	560.91231
			257.10115	228.29282
			223.14446	240.2875
			361.11184	313.97194
			177.13854	262.07685
			159.09121	311.24403
			230.16546	541.09459
			260.0561	324.23956
			248.08621	376.27434
			246.03723	135.00321
			260.02688	425.12606
			248.062	648.25484
			200.04784	320.25373
			183.09502	279.22506
			271.01946	254.28381
			224.10197	443.41576
			238.06339	317.96184
			170.07513	435.37149
			372.87462	332.88754
			333.9619	270.98441
			235.91091	278.99332
			206.08212	371.92723
			191.11833	181.95371
			259.07424	281.97884
			453.1607	272.92994
			453.16019	208.0189
			250.08782	519.97335
			243.13737	392.97683
			279.26789	561.39683
			279.1956	270.296
			337.21379	172.07078
			226.09301	283.28208
			415.30607	378.93105
			759.23541	460.43395
			399.15647	545.92492
			345.11686	377.0406
			290.06485	251.91921
			413.16028	265.24404
			415.16826	267.25394
			166.95066	452.52657
			381.17133	362.0025

			327.17377	337.10229
			253.21577	391.34214
			409.30718	558.96322
			277.15226	137.01904
			333.17802	338.955
			353.10887	313.00722
			321.14861	246.02625
			271.10463	317.00343
			271.1031	384.01264
			256.16207	438.12282
			118.0651	324.98902
			228.04105	294.91747
			210.05233	330.15815
			269.08886	390.0146
			261.20619	413.94463
			267.11056	541.0074
			163.12299	604.99513
			235.17982	668.93029
			345.05884	557.0824
			214.05416	185.99867
			325.23765	279.08432
			277.19182	606.99299
			287.1372	457.01948
			200.06574	689.09657
			200.0921	276.97437
			241.13314	181.06385
			219.06752	333.01875
			262.07333	439.30962
			413.16682	291.24408
			227.10056	642.98621
			272.13876	130.06528
			182.07441	311.99811
			239.08575	348.35109
			312.02267	344.96644
			222.14864	80.94815
			220.10389	353.97693
			254.0896	446.44076
			184.09727	392.3889
			225.15994	388.35262
			252.11346	460.02918
			271.14334	218.07685
			568.25534	240.96256
			165.13827	397.88786
			165.13915	203.03514
			251.02442	638.08769
			571.23573	276.24211
			673.24215	278.94867
			218.07653	337.37784

			183.11313	171.06013
			253.0677	272.29408
			269.06494	406.34939
			219.09652	626.93222
			504.84796	302.07261
			136.07582	403.38121
			435.27368	195.19648
			324.14574	456.31802
			453.19326	400.33546
			295.14224	461.40912
			504.19771	452.39532
			502.93794	316.32209
			210.1493	130.0863
			366.21445	380.94565
			495.21	420.02605
			593.22564	419.33791
			337.11675	327.36666
			389.01208	469.40223
			242.09199	197.07562
			154.02593	260.97236
			201.0662	279.23527
			261.13743	376.89091
			599.25031	666.23252
			299.13954	468.914
			299.13903	299.03047
			323.12293	263.97105
			239.17545	359.3191
			239.17544	492.3496
			367.2228	232.21936
			657.31229	342.98024
			217.085	244.95615
			229.08486	263.97272
			285.09799	103.03917
			279.12635	296.30477
			329.1493	271.0257
			253.09646	344.33899
			263.1365	329.25691
			325.10875	217.05564
			221.16455	282.22196
			237.15936	404.94509
			237.1595	295.30069
			237.15924	210.91479
			254.11624	202.9952
			166.1229	130.06521
			80.04966	152.03207
			80.04975	542.00555
			168.06628	463.03403
			240.14996	472.05224

			367.12564	276.87796
			385.1742	344.33727
			188.14345	409.4249
			192.08035	362.30803
			193.13361	130.06531
			295.14172	385.97743
			295.1651	707.22923
			345.14389	428.88159
			255.14516	236.24353
				227.25783
				178.04987
				154.02603
				402.97625
				180.99862
				141.06423
				376.93191
				203.06419
				274.08639
				212.11469
				314.12955
				560.3844
				151.11247
				272.08471
				219.08865
				162.10491
				267.07293
				141.13879
				241.09991
				315.11317
				429.39357
				313.26039
				127.03959
				238.11875
				423.15766
				224.01304
				347.16017
				133.07589
				170.07203
				217.07845
				273.96161
				292.04097
				201.07936
				224.0661
				244.1115
				394.9722
				103.03934
				103.03923
				255.0947

				155.03445
				299.1082
				319.01963
				261.10564
				221.11673
				201.05401
				343.96573
				343.9644
				248.06188
				248.06118
				195.09852
				228.07344
				468.18563
				271.01953
				135.0923
				227.10464
				231.0292
				247.06808
				186.07738
				187.07257
				178.08638
				186.10679
				310.13352
				226.10872
				295.99744
				358.13274
				274.03803
				327.15198
				191.10352
				193.15807
				431.38731
				211.10804
				304.16081
				443.29834
				247.10334
				232.12965
				397.17606
				491.09079
				288.09893
				245.11308
				261.18037
				379.05784
				468.98073
				415.16906
				244.07145
				243.10151
				440.17404
				246.01204

				301.1112
				619.40435
				225.18459
				215.14231
				306.08798
				721.0045
				279.1007
				417.37083
				332.15744
				251.13963
				237.1224
				193.09797
				188.06592
				157.07602
				234.12235
				396.1703
				147.11276
				147.11323
				321.07644
				116.07094
				264.20663
				239.07008
				621.41955
				485.34538
				275.20712
				244.16479
				409.16253
				402.16069
				267.05317
				249.0766
				202.08214
				258.08818
				218.05414
				192.17433
				242.05085
				240.10503
				230.08427
				255.07053
				249.08158
				275.06877
				353.95376
				228.03724
				224.11264
				243.09554
				252.1166
				269.16739
				270.21688
				344.13913

				182.15443
				228.10432
				129.10162
				228.15842
				165.10175
				406.36837
				233.09167
				257.08863
				211.06002
				339.12911
				613.2624
				241.09833
				487.32444
				222.07637
				476.94598
				226.25296
				218.07614
				218.07822
				199.08677
				214.04739
				181.13306
				277.20119
				329.15032
				261.07086
				451.30585
				273.15987
				464.98361
				529.21666
				261.08928
				412.25977
				272.15988
				318.12745
				172.06018
				608.98709
				259.2373
				269.14856
				277.15581
				286.13391
				259.13968
				309.03486
				189.01741
				390.15282
				323.12463
				242.14917
				264.11046
				484.21
				375.00171
				375.00348

				336.14386
				404.17188
				365.16184
				197.09211
				347.14613
				322.98739
				483.01951
				483.01965
				637.38439
				263.12894
				227.1386
				250.0396
				178.12257
				222.15965
				218.13908
				560.2618
				497.19156
				357.21304
				327.9926
				209.03894
				563.38599
				284.00825
				320.90564
				237.10825
				203.22335
				224.06439
				302.14079
				256.20093
				290.04615
				259.07012
				267.13417
				390.98905
				359.26385
				343.23379
				347.22813
				231.06449
				192.06619

Supplemental Table 4: Gene expression profiles in commensal-rich, intermediate and pathogen-rich biofilms in response to nicotine-containing and nicotine-free aerosol exposure and clean-air exposure. All samples were run in triplicates, and the experiments were duplicated.

Level 1	Level 2	Level 3	Category	Sub-Category	effect size	std error	p-value	Adjusted p-value	
Cellular Processes Cell growth and death	ko04112	Cell cycle Caulobacter	core	ATP dependent Lon protease EC 3 4 21 53	Vapor Type Nicotine free	4.10432425	0.37308448	3.78E-28	4.30E-26
Cellular Processes Cell growth and death	ko04112	Cell cycle Caulobacter	core	ATP dependent Lon protease EC 3 4 21 53	Vapor Type Nicotine plus	3.34642559	0.37412143	3.73E-19	2.28E-17
Cellular Processes Cell growth and death	ko04112	Cell cycle Caulobacter	core	cell division protein FtsW	Vapor Type Nicotine free	2.57988629	0.55965816	4.03E-06	6.56E-05
Cellular Processes Cell growth and death	ko04111	Cell cycle yeast	core	cohesin complex subunit SCC1	Vapor Type Nicotine plus	-4.3160642	0.93238407	3.67E-06	6.01E-05
Cellular Processes Cell growth and death	ko04111	Cell cycle yeast	core	cohesin complex subunit SCC1	Vapor Type Nicotine free	-4.8997396	1.24381351	8.17E-05	0.00145939
Cellular Processes Cell growth and death	ko04111	Cell cycle yeast	core	cohesin complex subunit SCC1	Biofilm Type Pathogen-rich	5.73207071	1.87178032	0.00219597	0.024646643
Cellular Processes Cell growth and death	ko04113	Meiosis yeast	core	MFS transporter SB family sugar H symporter	Vapor Type Nicotine free	6.67964272	0.915895	3.03E-13	1.04E-11
Cellular Processes Cell growth and death	ko04113	Meiosis yeast	core	MFS transporter SP family sugar H symporter	Vapor Type Nicotine plus	1.25842169	0.9214267	3.81E-06	6.21E-05
Cellular Processes Cell growth and death	ko04217	Necroptosis	core	glutamine synthetase EC 6 3 1 2	Vapor Type Nicotine free	3.75483017	0.42740741	1.56E-18	8.96E-17
Cellular Processes Cell growth and death	ko04217	Necroptosis	core	glutamine synthetase EC 6 3 1 2	Vapor Type Nicotine plus	2.78904558	0.42788312	7.11E-11	1.90E-09
Cellular Processes Cell motility	ko02030	Bacterial chemotaxis	core	aerotaxis receptor	Vapor Type Nicotine free	1.95856757	0.68961294	0.00450998	0.047507652
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilC	Vapor Type Nicotine free	3.35145819	0.25319971	5.41E-40	1.13E-37
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilC	Vapor Type Nicotine plus	2.80088987	0.25508709	4.76E-28	5.50E-26
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	twitching motility protein PilT	Vapor Type Nicotine free	2.70291126	0.29022729	1.24E-20	8.62E-19
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilB	Vapor Type Nicotine free	3.95197087	0.45805004	6.25E-18	3.41E-16
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilM	Vapor Type Nicotine free	4.3125368	0.54895859	3.97E-15	1.67E-13
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	lysine N methylase EC 2 1 1	Vapor Type Nicotine free	4.32038327	0.56002013	1.21E-14	4.88E-13
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	pilus assembly protein CpaF	Biofilm Type Pathogen-rich	-2.0707921	0.28267514	2.38E-13	8.29E-12
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	twitching motility protein PilT	Vapor Type Nicotine plus	2.07819902	0.29264119	1.23E-12	3.97E-11
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilB	Vapor Type Nicotine plus	3.18817733	0.46034628	4.34E-12	1.31E-10
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilN	Vapor Type Nicotine free	4.43657875	0.65275028	1.07E-11	3.11E-10
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	pilus assembly protein CpaF	Biofilm Type Intermediate	-3.1175537	0.4591325	1.12E-11	3.24E-10
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	lysine N methylase EC 2 1 1	Vapor Type Nicotine plus	3.68773446	0.56248058	5.52E-11	1.49E-09
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilM	Vapor Type Nicotine plus	3.37871216	0.55178972	9.17E-10	2.22E-08
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilN	Vapor Type Nicotine plus	3.57582253	0.65671751	5.18E-08	1.05E-06
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilC	Biofilm Type Intermediate	-0.8315518	0.19669135	2.36E-05	0.000352665
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	pilus assembly protein CpaF	Vapor Type Nicotine free	5.55913528	1.45252585	0.00024091	0.007356863
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	twitching motility protein PilU	Vapor Type Nicotine plus	5.80263586	1.56283798	0.00024091	0.007356863
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilQ	Vapor Type Nicotine free	6.51696663	1.82557261	0.00035723	0.004600900
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	twitching motility protein PilU	Vapor Type Nicotine plus	5.41299733	1.56385222	0.00035753	0.006711168
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilW	Biofilm Type Pathogen-rich	2.21270496	0.64493812	0.00060163	0.007431092
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilE	Biofilm Type Pathogen-rich	2.35113775	0.68529739	0.00060174	0.007431092
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilQ	Vapor Type Nicotine plus	5.97520763	1.8264774	0.00107002	0.012693574
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	twitching motility protein PilU	Biofilm Type Pathogen-rich	1.99083561	0.61466634	0.00119997	0.014106409
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilV	Biofilm Type Pathogen-rich	2.25788085	0.72919408	0.00195882	0.022214129
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilW	Vapor Type Nicotine free	5.46103709	1.82503294	0.00276888	0.030568398
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	twitching motility protein PilT	Biofilm Type Intermediate	-0.8057429	0.2741495	0.00329205	0.035883983
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilX	Biofilm Type Pathogen-rich	1.89426568	0.64733314	0.00343063	0.037226494
Cellular Processes Cell motility	ko02035	Bacterial motility proteins	core	type IV pilus assembly protein PilO	Biofilm Type Pathogen-rich	1.82376899	0.6289968	0.00373772	0.040263765
Cellular Processes Cell motility	ko04812	Cytoskeleton proteins	core	inexin family member 14	Biofilm Type Intermediate	2.71233339	0.82449373	0.00100296	0.019672758
Cellular Processes Cell motility	ko04812	Cytoskeleton proteins	core	inexin family member 14	Vapor Type Nicotine plus	-2.248629	0.68783212	0.0010787	0.012793653
Cellular Processes Cell motility	ko04812	Cytoskeleton proteins	core	inexin family member 14	Vapor Type Nicotine free	-2.1339859	0.65329315	0.00108884	0.012893825
Cellular Processes Cell motility	ko02040	Flagellar assembly	core	flagellin	Vapor Type Nicotine free	1.72501604	0.53426047	0.00124314	0.014520966
Cellular Processes Cell motility	ko02040	Flagellar assembly	core	flagellin	Biofilm Type Pathogen-rich	1.52869283	0.4772662	0.00138215	0.016077968
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide nikel transport system ATP binding protein	Vapor Type Nicotine free	3.11814642	0.14867702	1.16E-97	8.86E-95
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide nikel transport system ATP binding protein	Vapor Type Nicotine plus	1.7054346	0.15815937	4.14E-27	4.41E-25
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide nikel transport system ATP binding protein	Vapor Type Nicotine free	1.03819527	0.2430639	5.54E-282	2.44E-259
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide nikel transport system ATP binding protein	Vapor Type Nicotine plus	2.68489275	0.14758666	2.12E-77	2.31E-75
Cellular Processes Cellular community	ko02024	Quorum sensing	core	YidC Oxa1 family membrane protein insertase	Vapor Type Nicotine free	3.26101734	0.28049497	3.04E-31	4.19E-29
Cellular Processes Cellular community	ko02024	Quorum sensing	core	large repetitive protein	Vapor Type Nicotine free	6.42070543	0.66566674	4.43E-22	3.45E-20
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system ATP binding protein	Vapor Type Nicotine free	3.87655232	0.24662999	1.24E-19	7.90E-18
Cellular Processes Cellular community	ko02024	Quorum sensing	core	HTH type transcriptional regulator SHP2 responsive activator	Vapor Type Nicotine free	4.56194362	0.55091759	1.23E-16	5.94E-15
Cellular Processes Cellular community	ko02024	Quorum sensing	core	YidC Oxa1 family membrane protein insertase	Vapor Type Nicotine plus	2.18309489	0.28136481	8.56E-15	3.48E-13
Cellular Processes Cellular community	ko02024	Quorum sensing	core	branched chain amino acid transport system ATP binding protein	Vapor Type Nicotine free	2.75606453	0.36163803	2.52E-14	9.75E-13
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system permease protein	Vapor Type Nicotine free	3.78132261	0.5052768	7.23E-14	2.67E-12
Cellular Processes Cellular community	ko02024	Quorum sensing	core	HTH type transcriptional regulator SHP2 responsive activator	Vapor Type Nicotine plus	4.07210281	0.55237176	1.68E-13	5.95E-12
Cellular Processes Cellular community	ko02024	Quorum sensing	core	phenol soluble modulins beta	Biofilm Type Pathogen-rich	0.86449256	0.11800436	2.42E-13	8.40E-12
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide nikel transport system ATP binding protein	Biofilm Type Intermediate	-0.485266	0.06964503	3.22E-12	9.85E-11
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system ATP binding protein	Vapor Type Nicotine plus	2.76831111	0.42753516	9.48E-11	2.51E-09
Cellular Processes Cellular community	ko02024	Quorum sensing	core	branched chain amino acid transport system ATP binding protein	Vapor Type Nicotine free	2.62498939	0.44017057	2.47E-09	5.73E-08
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system permease protein	Vapor Type Nicotine free	3.14184855	0.5278802	2.65E-09	6.13E-08
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system substrate binding protein	Vapor Type Nicotine free	3.3975275	0.57543947	3.54E-09	8.09E-08
Cellular Processes Cellular community	ko02024	Quorum sensing	core	large repetitive protein	Vapor Type Nicotine plus	3.56953386	0.67376662	1.17E-07	2.28E-06
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide pheromone BfpC	Vapor Type Nicotine free	2.23401559	0.43082513	2.20E-07	4.14E-06
Cellular Processes Cellular community	ko02024	Quorum sensing	core	branched chain amino acid transport system ATP binding protein	Vapor Type Nicotine plus	1.88802156	0.3637318	2.74E-07	5.10E-06
Cellular Processes Cellular community	ko02024	Quorum sensing	core	Lon lie protease	Vapor Type Nicotine free	3.36716557	0.65933672	3.27E-07	6.03E-06
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system permease protein	Vapor Type Nicotine plus	2.57655833	0.51232651	3.57E-07	6.56E-06
Cellular Processes Cellular community	ko02024	Quorum sensing	core	peptide nikel transport system ATP binding protein	Biofilm Type Intermediate	-0.7172446	0.1381768	5.71E-06	2.38E-05
Cellular Processes Cellular community	ko02024	Quorum sensing	core	competence protein ComC	Vapor Type Nicotine free	6.45493063	1.46637176	1.07E-05	0.001166718
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system substrate binding protein	Vapor Type Nicotine plus	2.42677962	0.57555693	2.48E-05	0.000370069
Cellular Processes Cellular community	ko02024	Quorum sensing	core	HTH type transcriptional regulator SHP3 responsive repressor	Vapor Type Nicotine free	2.39934401	0.58475936	4.06E-05	0.000591771
Cellular Processes Cellular community	ko02024	Quorum sensing	core	branched chain amino acid transport system ATP binding protein	Vapor Type Nicotine plus	1.7562566	0.44162126	6.98E-05	0.00098655
Cellular Processes Cellular community	ko02024	Quorum sensing	core	large repetitive protein	Biofilm Type Pathogen-rich	0.98776677	0.24913504	7.35E-05	0.001035268
Cellular Processes Cellular community	ko02024	Quorum sensing	core	oligopeptide transport system permease protein	Vapor Type Nicotine plus	2.08638965	0.52846237	7.88E-05	0.001106898
Cellular Processes Cellular community	ko02024	Quorum sensing	core	phenol soluble modulins beta	Vapor Type Nicotine free	7.36149847	1.93891636	0.00014663	0.001989608
Cellular Processes Cellular community	ko02024	Quorum sensing	core	3 hydroxy 5 phosphonoxyheptane 2 4 dione thiolase EC 2 3	Biofilm Type Pathogen-rich	-2.477693	0.65359544	0.00015005	0.002304998
Cellular Processes Cellular community	ko02024	Quorum sensing	core	Lon lie protease	Vapor Type Nicotine plus	2.34898804	0.66014371	0.00037327	0.004802013
Cellular Processes Cellular community	ko02024	Quorum sensing	core	glutamate GABA antiporter	Vapor Type Nicotine free	1.89919451	0.53583952	0.00039361	0.005045419
Cellular Processes Cellular community	ko02024	Quorum sensing	core	phospholipase C EC 3 1 4 3	Vapor Type Nicotine free	8.7923761	2.75406876	0.00141045	0.016378534
Cellular Processes Cellular community	ko02024	Quorum sensing	core	competence protein ComC	Biofilm Type Pathogen-rich	0.40980359	0.1324064	0.00196775	0.023011556
Cellular Processes Cellular community	ko02024	Quorum sensing	core	competence protein ComC	Vapor Type Nicotine plus	4.41633968	1.47404212	0.0027348	0.030273579
Cellular Processes Cellular community	ko02025	Biofilm formation Pseudomonas aeruginosa	core	type VI secretion system protein ImpC	Vapor Type Nicotine free	2.60297778	0.64082731	4.33E-05	0.000629187
Cellular Processes Cellular community	ko02025	Biofilm formation Pseudomonas aeruginosa	core	type VI secretion system protein ImpC	Vapor Type Nicotine plus	1.98215826	0.6546654	0.00246388	0.027422616
Cellular Processes Cellular community	ko02026	Biofilm formation Escherichia coli	core	polysaccharide biosynthesis export protein	Vapor Type Nicotine free	3.26517213	0.45700464	9.02E-13	2.95E-11
Cellular Processes Cellular community	ko02027	Biofilm formation Escherichia coli	core	polysaccharide biosynthesis export protein	Vapor Type Nicotine plus	2.74948224	0.4607139	1.31E-09	3.12E-08
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein E	Vapor Type Nicotine free	3.47408406	0.37341898	1.49E-20	1.03E-18
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein E	Vapor Type Nicotine plus	3.03205394	0.57574311	8.78E-16	3.89E-14
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein D	Vapor Type Nicotine free	2.83304861	0.36780851	1.65E-14	9.31E-13
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein D	Vapor Type Nicotine plus	2.40995233	0.36911651	6.62E-11	1.78E-09
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein G	Vapor Type Nicotine free	2.85463493	0.50928391	2.08E-08	4.39E-07
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	PTS system glucose specific IIC component	Biofilm Type Intermediate	-3.685602	0.75596318	1.09E-06	1.89E-05
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein G	Vapor Type Nicotine plus	2.3285761	0.5182546	7.02E-06	0.000111609
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	PTS system glucose specific IIC component	Biofilm Type Pathogen-rich	-2.3273346	0.59382412	8.88E-05	0.001238164
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	RNA polymerase sigma 54 factor	Vapor Type Nicotine free	2.10913713	0.59066718	0.00035599	0.004594125
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	RNA polymerase sigma 54 factor	Vapor Type Nicotine plus	1.84521589	0.59393288	0.0018914	0.021486135
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	adenylate cyclase class 1 EC 4 6 1 1	Vapor Type Nicotine free	1.49298871	0.50482359	0.00310199	0.0397147
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	RNA polymerase nonessential primary IIE sigma factor	Vapor Type Nicotine free	1.95697909	0.68098369	0.00405626	0.043344798
Cellular Processes Cellular community	ko05111	Biofilm formation Vibrio cholerae	core	general secretion pathway protein D	Biofilm Type Intermediate	-0.9983478	0.34767587	0.00408542	0.043579561
Cellular Processes Transport and catabolism	ko04140	Autophagy animal	core	activating molecule in BECN1 regulated autophagy protein 3					

Cellular Processes Transport and catabolism	ko04147	Exosome	core	transmembrane 9 superfamily member 2.4	Vapor Type	Nicotine plus	1.21170754	0.0642956	3.18E-79	1.99E-76
Cellular Processes Transport and catabolism	ko04147	Exosome	core	transmembrane 9 superfamily member 2.4	Vapor Type	Nicotine free	1.07107577	0.06539955	2.77E-60	1.17E-57
Cellular Processes Transport and catabolism	ko04147	Exosome		argininosuccinate lyase EC 4.3.2.1	Vapor Type	Nicotine free	3.82649499	0.42667071	3.01E-19	1.86E-17
Cellular Processes Transport and catabolism	ko04147	Exosome		fructose biphosphate aldolase class I EC 4.1.2.13	Vapor Type	Nicotine free	4.1920373	0.4736527	8.72E-19	5.15E-17
Cellular Processes Transport and catabolism	ko04147	Exosome	core	transmembrane 9 superfamily member 2.4	Biofilm type	Pathogen-rich	-0.4124011	0.05124588	8.45E-16	3.84E-14
Cellular Processes Transport and catabolism	ko04147	Exosome		peroxiredoxin alyl hydroperoxide reductase subunit C EC 1	Vapor Type	Nicotine free	5.79789517	0.78026942	1.08E-13	3.92E-12
Cellular Processes Transport and catabolism	ko04147	Exosome		electron transfer flavoprotein alpha subunit	Vapor Type	Nicotine free	3.38110491	0.45903316	1.76E-13	6.21E-12
Cellular Processes Transport and catabolism	ko04147	Exosome	core	porphobilinogen synthase EC 4.2.1.24	Biofilm type	Intermediate	-0.4391656	0.06321268	3.72E-12	1.13E-10
Cellular Processes Transport and catabolism	ko04147	Exosome	core	transmembrane 9 superfamily member 2.4	Biofilm type	Intermediate	0.31180893	0.24983913	1.75E-10	4.50E-09
Cellular Processes Transport and catabolism	ko04147	Exosome	core	peroxiredoxin alyl hydroperoxide reductase subunit C EC 1	Vapor Type	Nicotine plus	4.93607417	0.78070588	2.57E-10	6.51E-09
Cellular Processes Transport and catabolism	ko04147	Exosome	core	D-3-phosphoglycerate dehydrogenase 2-oxoglutarate reductase	Vapor Type	Nicotine plus	2.02050961	0.32845438	7.67E-10	1.87E-08
Cellular Processes Transport and catabolism	ko04147	Exosome		electron transfer flavoprotein alpha subunit	Vapor Type	Nicotine plus	2.828649	0.46066175	8.23E-10	2.00E-08
Cellular Processes Transport and catabolism	ko04147	Exosome		histidine triad-HIT family protein	Vapor Type	Nicotine free	2.93116702	0.52027536	1.76E-08	3.75E-07
Cellular Processes Transport and catabolism	ko04147	Exosome	core	argininosuccinate lyase EC 4.3.2.1	Vapor Type	Nicotine plus	2.36398209	0.42820711	1.38E-08	6.96E-07
Cellular Processes Transport and catabolism	ko04147	Exosome		fructose biphosphate aldolase class I EC 4.1.2.13	Vapor Type	Nicotine plus	2.10558037	0.49791433	2.35E-05	0.00035114
Cellular Processes Transport and catabolism	ko04147	Exosome		D-3-phosphoglycerate dehydrogenase 2-oxoglutarate reductase	Biofilm type	Intermediate	-1.0634964	0.28703061	0.00021125	0.002803155
Cellular Processes Transport and catabolism	ko04147	Exosome	core	histidine triad-HIT family protein	Vapor Type	Nicotine plus	1.90280091	0.52227103	0.00026914	0.003528057
Cellular Processes Transport and catabolism	ko04147	Exosome		apolipoprotein D and lipocalin family protein	Vapor Type	Nicotine free	2.78262499	0.9031216	0.00206224	0.02382995
Cellular Processes Transport and catabolism	ko04147	Exosome		fructose biphosphate aldolase class I EC 4.1.2.13	Biofilm type	Intermediate	-0.4045728	0.13763272	0.00328732	0.035846468
Cellular Processes Transport and catabolism	ko04142	Lysosome		sialidase 1 EC 3.2.1.18	Vapor Type	Nicotine free	2.82174962	0.735472	0.0012472	0.01704499
Cellular Processes Transport and catabolism	ko04146	Peroxisome		NAD diphosphatase EC 3.6.1.22	Vapor Type	Nicotine free	2.54563996	0.60125633	2.30E-05	0.000343605
Cellular Processes Transport and catabolism	ko04146	Peroxisome	core	NAD diphosphatase EC 3.6.1.22	Biofilm type	Intermediate	-0.2028202	0.49740635	4.77E-05	0.000688252
Cellular Processes Transport and catabolism	ko04146	Peroxisome		NAD diphosphatase EC 3.6.1.22	Biofilm type	Pathogen-rich	-1.4567155	0.39114272	0.00019589	0.00261543
Cellular Processes Transport and catabolism	ko04145	Phagosome		cathepsin S EC 3.4.22.27	Vapor Type	Nicotine plus	-5.0574256	0.98856066	3.12E-07	5.76E-06
Cellular Processes Transport and catabolism	ko04145	Phagosome	core	cathepsin S EC 3.4.22.27	Biofilm type	Intermediate	5.55938111	1.27540097	1.31E-05	0.000201094
Cellular Processes Transport and catabolism	ko04145	Phagosome		cathepsin S EC 3.4.22.27	Vapor Type	Nicotine free	-5.5983112	1.29279693	1.49E-05	0.000228093
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	type I restriction enzyme R subunit EC 3.1.21.3	Vapor Type	Nicotine free	4.31785305	0.34238528	1.83E-36	3.30E-34
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		toxin YefM EC 3.1	Vapor Type	Nicotine free	1.81817608	0.1845158	6.60E-23	5.36E-21
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		antitoxin YefM	Vapor Type	Nicotine free	2.11009363	0.24835813	4.31E-22	3.35E-20
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	type I restriction enzyme S subunit EC 3.1.21.3	Vapor Type	Nicotine plus	3.19665851	0.33000704	5.80E-08	7.72E-06
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		type I restriction enzyme R subunit EC 3.1.21.3	Vapor Type	Nicotine plus	3.20126441	0.3427714	7.85E-22	5.95E-20
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		cell division protein FtsZ	Vapor Type	Nicotine free	3.786759	0.42569914	8.52E-19	3.50E-17
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	CRISPR associated protein Csx10	Vapor Type	Nicotine free	4.75746556	0.53862463	1.02E-18	6.01E-17
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		rod shape determining protein MreB and related proteins	Vapor Type	Nicotine free	3.57987578	0.40769147	1.62E-18	9.27E-17
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		HTT type transcriptional regulator antitoxin PexA	Vapor Type	Nicotine free	3.98599555	0.45872878	5.05E-18	2.79E-16
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated protein Csx10	Vapor Type	Nicotine plus	4.05852568	0.53983709	5.56E-14	2.08E-12
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	rod shape determining protein MreB and related proteins	Vapor Type	Nicotine plus	3.0280041	0.40879082	1.29E-13	4.61E-12
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		type I restriction enzyme S subunit EC 3.1.21.3	Vapor Type	Nicotine plus	2.44538981	0.33101613	1.50E-13	5.32E-12
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		HTT type transcriptional regulator antitoxin PexA	Vapor Type	Nicotine plus	3.32621004	0.46215383	6.15E-13	2.04E-11
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		type I restriction enzyme M protein EC 2.1.1.72	Vapor Type	Nicotine free	3.2632996	0.46370148	1.96E-12	6.15E-11
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		cell division protein FtsZ	Vapor Type	Nicotine plus	2.74196082	0.42634515	1.27E-10	3.31E-09
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		DNA damage inducible protein I	Vapor Type	Nicotine free	4.01322421	0.63379392	2.42E-10	6.13E-09
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		death on curing protein	Vapor Type	Nicotine free	2.15660437	0.34278335	3.15E-10	7.89E-09
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		mRNA interference YafQ EC 3.1	Vapor Type	Nicotine free	3.18196053	0.51358318	5.81E-10	1.43E-08
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated protein Cas2	Vapor Type	Nicotine free	2.77112123	0.48454652	1.07E-08	2.34E-07
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		antitoxin HlgA 1	Vapor Type	Nicotine free	3.77786218	0.66260524	1.19E-08	2.58E-07
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	DNA damage inducible protein I	Vapor Type	Nicotine plus	3.576528	0.63620985	1.89E-08	4.02E-07
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		DNA sulfur modification protein DndD	Biofilm type	Pathogen-rich	0.77499763	0.13863263	2.27E-08	4.76E-07
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		site specific DNA methyltransferase adenine specific EC2	Vapor Type	Nicotine free	3.40940688	0.63872471	9.41E-08	1.86E-06
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		mRNA interference YafQ EC 3.1	Vapor Type	Nicotine plus	3.62875851	0.1965031	4.24E-07	7.72E-06
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		type I restriction enzyme M protein EC 2.1.1.72	Vapor Type	Nicotine plus	2.30402488	0.46414963	6.91E-17	1.23E-05
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	CRISPR associated endonuclease helicase Cas3 EC 3.1.36	Vapor Type	Nicotine free	3.10143624	0.68832823	6.61E-06	0.00105442
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated protein Csd1	Vapor Type	Nicotine free	3.75493648	0.89538852	2.75E-05	0.000407771
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	CRISPR associated endonuclease helicase Cas3 EC 3.1.36	Vapor Type	Nicotine plus	2.69877074	0.69093636	9.39E-05	0.001302632
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	CRISPR associated protein Cas2	Vapor Type	Nicotine plus	1.83505616	0.4881187	0.00017029	0.002292546
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		toxin YefM EC 3.1	Biofilm type	Intermediate	-0.5460009	0.1460772	0.00018567	0.002490174
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		site specific DNA methyltransferase adenine specific EC2	Vapor Type	Nicotine plus	2.30547905	0.63954745	0.00031232	0.004064063
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated protein Csd1	Vapor Type	Nicotine plus	3.13523186	0.90113345	0.0005029	0.006312779
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		antitoxin YefM	Vapor Type	Nicotine plus	0.85325231	0.24625458	0.00053039	0.006626708
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated protein Csd1	Biofilm type	Pathogen-rich	2.36793509	0.68638902	0.00056091	0.006977727
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		adenine specific DNA methyltransferase EC 2.1.1.72	Vapor Type	Nicotine free	2.47968676	0.72845391	0.00066397	0.008141099
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated endonuclease Csn1 EC 3.1	Vapor Type	Nicotine free	2.61432969	0.79984549	0.00108103	0.012815579
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		antitoxin HlgA 1	Vapor Type	Nicotine plus	2.17753764	0.6682754	0.00112025	0.013242319
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System	core	type I restriction enzyme R subunit EC 3.1.21.3	Biofilm type	Intermediate	-0.9826194	0.33652958	0.00350188	0.037964194
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		DNA sulfur modification protein DndD	Biofilm type	Intermediate	0.42411464	0.14753081	0.00404344	0.043242476
Cellular Processes Transport and catabolism	ko02048	Prokaryotic Defense System		CRISPR associated protein Cas2	Biofilm type	Pathogen-rich	2.51056375	0.88633929	0.00461843	0.048525382
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	cobalt nickel transport system permease protein	Vapor Type	Nicotine free	2.31718628	0.20278947	3.08E-30	4.03E-28
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	iron III transport system substrate binding protein	Vapor Type	Nicotine free	3.79411656	0.21618808	1.23E-47	3.37E-45
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	molybdate transport system substrate binding protein	Vapor Type	Nicotine free	5.3300111	0.39703095	3.73E-42	8.42E-40
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ribose transport system permease protein	Biofilm type	Pathogen-rich	6.64029592	0.1965031	5.25E-02	7.72E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	osmoprotectant transport system permease protein	Vapor Type	Nicotine free	5.05112957	0.38901511	1.50E-38	3.00E-36
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ribose transport system substrate binding protein	Vapor Type	Nicotine free	3.57257823	0.14383409	2.13E-133	2.27E-130
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ribose transport system substrate binding protein	Vapor Type	Nicotine plus	2.62959465	0.14680508	9.48E-72	4.96E-69
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ribose transport system substrate binding protein	Biofilm type	Intermediate	-0.5379709	0.04962986	2.23E-27	2.42E-25
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	nical transport system ATP binding protein EC 3.6.3.24	Vapor Type	Nicotine free	3.93067836	0.2866974	8.82E-43	2.04E-40
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	manganese zinc transport system ATP binding protein EC 3	Vapor Type	Nicotine free	1.72439779	0.10641622	4.70E-59	1.90E-56
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	nickel transport system permease protein	Vapor Type	Nicotine free	3.67838125	0.31105701	2.88E-32	4.17E-30
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	nickel transport system permease protein	Vapor Type	Nicotine free	3.55312384	0.24040334	1.98E-49	5.92E-47
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	nickel transport system ATP binding protein EC 3.6.3.24	Vapor Type	Nicotine free	4.23911936	0.35031517	1.04E-33	1.63E-31
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	energy coupling factor transport system ATP binding protein	Vapor Type	Nicotine free	1.69163184	0.03158049	0	0
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	energy coupling factor transport system ATP binding protein	Vapor Type	Nicotine plus	0.5968207	0.03613482	2.79E-61	1.21E-58
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	energy coupling factor transport system ATP binding protein	Biofilm type	Intermediate	-0.3752237	0.02611493	8.20E-47	2.15E-44
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine free	4.80266094	0.45213617	2.35E-26	2.39E-24
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine free	1.38583752	0.05427366	8.21E-144	9.73E-141
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ATP binding cassette subfamily B multidrug efflux pump	Biofilm type	Intermediate	-0.6222193	0.04952039	3.29E-36	5.83E-34
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	iron III transport system substrate binding protein	Vapor Type	Nicotine free	2.61772209	0.26673124	1.29E-23	1.09E-21
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	cobalt nickel transport system permease protein	Vapor Type	Nicotine free	3.39487241	0.4488458	2.21E-22	1.75E-20
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine free	4.61132616	0.49070472	5.60E-21	4.01E-19
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	bacitracin transport system permease protein	Vapor Type	Nicotine free	5.84582346	0.62337236	6.74E-21	4.70E-19
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ribose transport system substrate binding protein	Biofilm type	Pathogen-rich	4.4528808	0.04833598	7.59E-21	5.14E-19
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	molybdate transport system substrate binding protein	Vapor Type	Nicotine plus	3.40009982	0.37407791	1.06E-20	7.40E-19
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine plus	4.10977924	0.4531479	1.20E-19	7.64E-18
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	cobalt nickel transport system ATP binding protein	Vapor Type	Nicotine free	3.52749639	0.39771272	7.35E-19	4.36E-17
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core	nickel transport system ATP binding protein EC 3.6.3.17	Vapor Type	Nicotine free	3.14710186	0.36427068	5.65E-18	3.10E-16
Environmental Information										

Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system ATP binding protein EC 3 6 3 2	Vapor Type	Nicotine free	3.56566362	0.51338051	3.77E-12	1.14E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	teichoic acid transport system permease protein	Vapor Type	Nicotine free	5.87633038	0.85155208	5.17E-12	1.54E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc iron transport system permease protein	Vapor Type	Nicotine free	2.66728212	0.3890462	7.08E-12	2.10E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Biofilm type	Pathogen-rich	2.4995983	0.36516529	7.64E-12	2.25E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	molibdate transport system substrate binding protein	Biofilm type	Intermediate	-0.487259	0.07160861	1.01E-11	2.95E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system permease protein	Biofilm type	Intermediate	-0.8678107	0.12804911	1.23E-11	3.53E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphonate transport system substrate binding protein	Vapor Type	Nicotine free	3.34774957	0.49931003	2.02E-11	5.72E-10
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc transport system ATP binding protein EC 3	Vapor Type	Nicotine plus	0.78307954	0.11833448	3.65E-11	1.01E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phospholipid cholesterol gamma HCH transport system subs	Vapor Type	Nicotine plus	3.88062602	0.57765658	4.48E-11	1.22E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system permease protein	Biofilm type	Pathogen-rich	2.43677112	0.37050981	8.81E-11	1.31E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Biofilm type	Pathogen-rich	2.590134	0.39413330	4.97E-11	1.35E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Biofilm type	Pathogen-rich	2.5403641	0.39295846	1.13E-10	2.97E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	multidrug hemolysin transport system ATP binding protein	Vapor Type	Nicotine plus	3.0571003	0.47838731	1.65E-10	4.27E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system ATP binding protein	Vapor Type	Nicotine plus	2.59643337	0.40634263	1.66E-10	4.29E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ribose transport system ATP binding protein EC 3 6 3 17	Vapor Type	Nicotine plus	2.34696431	0.36748135	1.70E-10	4.37E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system permease protein	Biofilm type	Pathogen-rich	-2.8285624	0.44524444	2.11E-10	5.39E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system permease protein	Biofilm type	Intermediate	-0.8726176	0.13749151	2.20E-10	5.60E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phospholipid cholesterol gamma HCH transport system per	Vapor Type	Nicotine plus	3.4131569	0.54038191	2.68E-10	6.76E-09
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc iron transport system substrate binding pr	Vapor Type	Nicotine plus	3.87850631	0.62415407	5.16E-10	1.27E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system permease protein	Biofilm type	Pathogen-rich	-0.7605885	0.12338038	7.07E-10	1.72E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system permease protein	Vapor Type	Nicotine free	2.96451647	0.49076613	1.54E-09	3.64E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily B multidrug efflux pump	Biofilm type	Pathogen-rich	-0.2666983	0.04444054	1.96E-09	4.60E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	nicotinic acid transport system permease protein	Vapor Type	Nicotine plus	1.91015387	0.31868004	2.05E-09	4.80E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	osmoprotectant transport system substrate binding protein	Vapor Type	Nicotine free	3.3377527	0.55760905	2.15E-09	5.03E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system permease protein	Vapor Type	Nicotine plus	2.16160256	0.3623527	2.44E-09	5.67E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system permease protein	Biofilm type	Pathogen-rich	-0.799003	0.13400874	2.49E-09	5.77E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system substrate binding pr	Vapor Type	Nicotine free	3.18132273	0.53388526	2.54E-09	5.88E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	core energy coupling factor transport system ATP binding pro	Vapor Type	Nicotine free	3.32584958	0.56382247	3.66E-09	8.36E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc transport system ATP binding protein EC 3	Biofilm type	Pathogen-rich	-0.4707891	0.08071085	4.41E-09	9.48E-08
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system permease protein	Biofilm type	Pathogen-rich	2.5871182	0.44357182	4.46E-09	1.23E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Vapor Type	Nicotine free	3.5242363	0.61206851	8.52E-09	1.88E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc transport system ATP binding protein EC 3	Biofilm type	Intermediate	-0.456268	0.0797536	1.06E-08	2.31E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	putative alduronate transport system permease protein	Vapor Type	Nicotine plus	2.55730885	0.45079753	1.40E-08	3.02E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cell division transport system permease protein	Vapor Type	Nicotine plus	2.63272662	0.46755726	1.79E-08	3.82E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system permease protein	Vapor Type	Nicotine free	3.17946461	0.5654661	1.88E-08	3.99E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cell division transport system ATP binding protein	Vapor Type	Nicotine plus	2.50275284	0.44608868	2.02E-08	4.27E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Vapor Type	Nicotine free	3.16378496	0.56418361	2.05E-08	4.33E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system permease protein	Vapor Type	Nicotine plus	1.23145004	0.21990866	2.15E-08	4.51E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	branched chain amino acid transport system substrate bindi	Vapor Type	Nicotine plus	1.19359637	0.34420511	2.45E-08	5.13E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	iron complex transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine plus	2.14207928	0.38515448	2.67E-08	5.57E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	zinc transport system substrate binding protein	Vapor Type	Nicotine free	3.4834502	0.6358296	4.29E-08	8.74E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ribose transport system permease protein	Vapor Type	Nicotine plus	2.0984091	0.3847002	4.80E-08	9.75E-07
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphonate transport system permease protein	Vapor Type	Nicotine plus	2.46129725	0.45304736	5.55E-08	1.12E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	glycine betaine proline transport system ATP binding protein	Vapor Type	Nicotine plus	1.95040752	0.36573955	9.67E-08	1.91E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	zinc transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine free	3.16668893	0.59454832	1.00E-07	1.97E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	bactracin transport system permease protein	Vapor Type	Nicotine plus	3.26638297	0.63299413	2.47E-07	4.61E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system substrate binding protein	Biofilm type	Pathogen-rich	-2.414871	0.47119798	2.98E-07	5.51E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc iron transport system permease protein	Vapor Type	Nicotine plus	2.01046991	0.39545997	3.70E-07	6.78E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	lanthibiotic transport system permease protein	Vapor Type	Nicotine plus	2.33802518	0.63411087	4.41E-07	7.50E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	glycine betaine proline transport system substrate binding p	Vapor Type	Pathogen-rich	3.00761912	0.35828388	3.46E-07	7.00E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system permease protein	Biofilm type	Intermediate	-0.0754665	0.8138144	5.50E-07	9.91E-06
Environmental Information Processing Membrane transport	ko02010	ABC transporters	lanthibiotic transport system permease protein	Vapor Type	Nicotine plus	1.2106624	0.43493953	1.08E-06	1.89E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system substrate binding protein	Vapor Type	Nicotine free	2.9511523	0.60655542	1.14E-06	1.98E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	glycine betaine proline transport system ATP binding protein	Biofilm type	Intermediate	-1.3245182	0.27728075	1.78E-06	3.03E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system ATP binding protein EC 3 6 3 2	Vapor Type	Nicotine plus	2.44189088	0.5141812	2.04E-06	3.45E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system substrate binding pr	Biofilm type	Intermediate	-4.3683707	0.93065158	2.68E-06	4.46E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	zinc transport system permease protein	Vapor Type	Nicotine free	2.88736195	0.61824255	3.01E-06	4.97E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Biofilm type	Intermediate	-4.5310226	0.97442451	3.32E-06	5.46E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	putative lysine transport system substrate binding protein	Biofilm type	Pathogen-rich	-2.688283	0.58025956	3.61E-06	5.90E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	hemin transport system permease protein	Biofilm type	Pathogen-rich	0.49682397	0.10773577	4.00E-06	6.51E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system permease protein	Biofilm type	Intermediate	-4.0304309	0.88784481	5.65E-06	9.09E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine plus	0.2904713	0.06417467	6.00E-06	9.62E-05
Environmental Information Processing Membrane transport	ko02010	ABC transporters	putative lysine transport system permease protein	Vapor Type	Nicotine free	3.03437037	0.68326074	8.95E-06	0.000140765
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system substrate binding protein	Vapor Type	Nicotine plus	2.68493059	0.60880464	1.03E-05	0.000161013
Environmental Information Processing Membrane transport	ko02010	ABC transporters	teichoic acid transport system permease protein	Vapor Type	Nicotine plus	3.71429789	0.85960483	1.55E-05	0.000237471
Environmental Information Processing Membrane transport	ko02010	ABC transporters	biotin transport system permease protein	Biofilm type	Pathogen-rich	-2.6862265	0.62960255	1.99E-05	0.000298977
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cellulose transport system substrate binding protein	Biofilm type	Intermediate	-3.7366725	0.88457859	2.40E-05	0.000358024
Environmental Information Processing Membrane transport	ko02010	ABC transporters	manganese zinc transport system substrate binding protein	Vapor Type	Nicotine free	2.96964778	0.7059384	2.59E-05	0.000385463
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system ATP binding protein	Vapor Type	Nicotine free	2.63017677	0.63314169	2.90E-05	0.00042898
Environmental Information Processing Membrane transport	ko02010	ABC transporters	hemin transport system permease protein	Vapor Type	Nicotine plus	1.03295817	0.17443201	3.36E-05	0.000494382
Environmental Information Processing Membrane transport	ko02010	ABC transporters	energy coupling factor transport system ATP binding protein	Vapor Type	Nicotine plus	2.31130721	0.56439518	4.22E-05	0.00061392
Environmental Information Processing Membrane transport	ko02010	ABC transporters	energy coupling factor transport system permease protein	Vapor Type	Nicotine free	2.9543874	0.72377239	4.47E-05	0.000647038
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily C bacterial LapB	Vapor Type	Nicotine free	2.63920977	0.65502758	5.60E-05	0.000801139
Environmental Information Processing Membrane transport	ko02010	ABC transporters	glycine betaine proline transport system permease protein	Vapor Type	Nicotine free	3.56749562	0.89495538	6.71E-05	0.000951596
Environmental Information Processing Membrane transport	ko02010	ABC transporters	N acetylglucosamine transport system permease protein	Biofilm type	Intermediate	-4.890518	1.23264291	7.26E-05	0.001024334
Environmental Information Processing Membrane transport	ko02010	ABC transporters	putative lysine transport system substrate binding protein	Vapor Type	Nicotine plus	-1.6667785	0.40207005	7.31E-05	0.001030408
Environmental Information Processing Membrane transport	ko02010	ABC transporters	oligopeptide transport system ATP binding protein	Vapor Type	Nicotine free	2.96013887	0.7486573	7.69E-05	0.001081971
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phospholipid transport system substrate binding protein	Vapor Type	Nicotine free	3.08438172	0.78400778	8.35E-05	0.001168715
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine free	2.14285928	0.54506445	8.45E-05	0.00118116
Environmental Information Processing Membrane transport	ko02010	ABC transporters	iron III transport system substrate binding protein	Biofilm type	Intermediate	-0.5719551	0.14615728	1.91E-05	0.001267693
Environmental Information Processing Membrane transport	ko02010	ABC transporters	putative lysine transport system substrate binding protein	Vapor Type	Nicotine free	-1.5660996	0.402988	0.00010182	0.001408433
Environmental Information Processing Membrane transport	ko02010	ABC transporters	glycine betaine proline transport system ATP binding protein	Biofilm type	Pathogen-rich	-1.0361248	0.26820192	0.00011119	0.00154066
Environmental Information Processing Membrane transport	ko02010	ABC transporters	zinc transport system substrate binding protein	Vapor Type	Nicotine plus	2.38570825	0.36609245	0.00017643	0.002369881
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system permease protein	Vapor Type	Nicotine free	3.18723545	0.85054013	0.00017874	0.002400287
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport protein	Biofilm type	Intermediate	-0.7006895	0.18840307	0.0001999	0.002662902
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system ATP binding protein	Vapor Type	Nicotine plus	2.35211267	0.63733126	0.00022376	0.002963699
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system ATP binding protein	Biofilm type	Intermediate	-0.5044819	0.13723343	0.00023727	0.003130199
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system permease protein	Vapor Type	Nicotine plus	1.78532607	0.49272207	0.00029076	0.003798368
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily B bacterial RaxB	Vapor Type	Nicotine free	2.31307432	0.64983106	0.00030324	0.00470993
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system permease protein	Vapor Type	Nicotine plus	2.03595899	0.56667888	0.00037667	0.004842322
Environmental Information Processing Membrane transport	ko02010	ABC transporters	biotin transport system permease protein	Biofilm type	Intermediate	-3.7943236	1.07200318	0.00040093	0.005125758
Environmental Information Processing Membrane transport	ko02010	ABC transporters	zinc transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine plus	2.09482491	0.59529866	0.00043423	0.005524956
Environmental Information Processing Membrane transport	ko02010	ABC transporters	phosphate transport system substrate binding protein	Vapor Type	Nicotine plus	1.31037	0.37258071	0.00043644	0.00551746
Environmental Information Processing Membrane transport	ko02010	ABC transporters	osmoprotectant transport system substrate binding protein	Vapor Type	Nicotine plus	1.95588169	0.55814627	0.0004579	0.00579575
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily C bacterial LapB	Vapor Type	Nicotine plus	2.3093325	0.65941374	0.00046161	0.005838795
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system permease protein	Vapor Type	Nicotine plus	2.96933145	0.8533506	0.00050214	0.006304716
Environmental Information Processing Membrane transport	ko02010	ABC transporters	microcin C transport system permease protein	Vapor Type	Nicotine free	2.51061582	0.72199342	0.00050642	0.006352498
Environmental Information Processing Membrane transport	ko02010	ABC transporters	Al 2 transport system substrate binding protein	Biofilm type	Pathogen-rich	-2.1976657	0.63811825	0.00057322	0.007115144
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport system ATP binding protein	Biofilm type	Pathogen-rich	-0.4619723	0.13544557	0.00064782	0.007959589
Environmental Information Processing Membrane transport	ko02010	ABC transporters	cobalt nickel transport protein	Vapor Type	Nicotine plus	1.00488106	0.29786836	0.00074199	0.009033335
Environmental Information Processing Membrane transport	ko02010	ABC transporters	ATP binding cassette subfamily C bacteriocin exporter	Vapor Type	Nicotine free	2.49272386	0.74227116	0.00078441	0.009514985
Environmental Information Processing Membrane transport	ko02								

Environmental Information Processing Membrane transport	k002010	ABC transporters		microcin C transport system substrate binding protein	Biofilm type	Pathogen-rich	1.51896623	0.52609998	0.00388663	0.041724502
Environmental Information Processing Membrane transport	k002010	ABC transporters		cobalt nickel transport protein	Biofilm type	Pathogen-rich	-0.5086917	0.17706458	0.00406702	0.043433733
Environmental Information Processing Membrane transport	k002010	ABC transporters		AI 2 transport system ATP binding protein	Biofilm type	Pathogen-rich	-1.9791931	0.69170308	0.00421863	0.044819388
Environmental Information Processing Membrane transport	k002010	ABC transporters		ATP binding cassette subfamily B multidrug efflux pump	Vapor type	Nicotine free	2.30842822	0.80764121	0.00426005	0.045214375
Environmental Information Processing Membrane transport	k002010	ABC transporters		Cu processing system ATP binding protein	Biofilm type	Pathogen-rich	2.25099088	0.78917037	0.00433972	0.045986665
Environmental Information Processing Membrane transport	k002010	ABC transporters		manganese zinc transport system substrate binding protein	Vapor type	Nicotine plus	2.01217011	0.70676028	0.00441287	0.046595888
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		preprotein translocase subunit SecD	Vapor type	Nicotine free	4.02995328	0.4542572	7.22E-19	4.29E-17
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		preprotein translocase subunit SecD	Vapor type	Nicotine plus	3.33477926	0.45585347	2.56E-13	8.89E-12
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		preprotein translocase subunit SecA	Vapor type	Nicotine free	3.34875785	0.51038751	5.76E-11	1.45E-09
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		type VII secretion system secreted protein VgrG	Vapor type	Nicotine free	2.46570322	0.50239653	7.21E-07	1.61E-05
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		preprotein translocase subunit SecA	Vapor type	Nicotine plus	2.1117845	0.51063	3.54E-05	0.000518984
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		type VI secretion system secreted protein VgrG	Vapor type	Nicotine plus	2.00250216	0.50683953	7.78E-05	0.00109434
Environmental Information Processing Membrane transport	k003070	Bacterial secretion system		type IV secretion system protein VirB4	Biofilm type	Pathogen-rich	2.17633796	0.65605526	0.00090889	0.010905869
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS	core	PTS system N acetylglucosamine specific IIB component Ec	Vapor type	Nicotine free	4.16415647	0.34237979	4.93E-34	7.89E-32
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS	core	PTS system ascorbate specific IIA component EC 2 7 1 194	Vapor type	Nicotine free	3.32674824	0.28828738	8.32E-31	1.12E-28
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS	core	PTS system glucose specific IIC component	Vapor type	Nicotine free	5.18219014	0.47992989	3.53E-27	3.77E-25
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannitol specific IIC component	Biofilm type	Intermediate	-1.9983701	0.22326125	3.53E-19	2.16E-17
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannitol specific IIC component	Vapor type	Nicotine free	2.85734433	0.32293533	8.91E-19	5.26E-17
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannitol specific IIC component	Biofilm type	Pathogen-rich	-1.5954346	0.18792462	2.07E-17	1.08E-15
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system ascorbate specific IIA component EC 2 7 1 194	Vapor type	Nicotine plus	2.39966417	0.29384622	3.18E-16	1.49E-14
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system ascorbate specific IIB component EC 2 7 1 194	Vapor type	Nicotine free	3.09572253	0.38756084	1.37E-15	6.10E-14
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		phosphotransferase system enzyme I PtsI EC 2 7 3 9	Vapor type	Nicotine free	3.62889787	0.46242619	4.24E-15	1.78E-13
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system beta glucoside specific IIC component	Biofilm type	Pathogen-rich	-2.2059166	0.30345642	3.61E-13	1.23E-11
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system beta glucoside specific IIC component	Biofilm type	Intermediate	-2.5676809	0.35805061	7.43E-13	2.44E-11
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system beta glucoside specific IIC component	Vapor type	Nicotine free	2.90724475	0.40887142	1.16E-12	3.74E-11
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system sugar specific IIA component EC 2 7 1	Vapor type	Nicotine free	4.08239099	0.5745408	1.20E-12	3.87E-11
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactose specific IIB component EC 2 7 1 204	Vapor type	Nicotine free	3.36860495	0.47906698	2.04E-12	6.41E-11
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system trehalose specific IIB component EC 2 7 1 201	Vapor type	Nicotine free	2.02913758	0.29026005	2.73E-12	8.45E-11
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system sucrose specific IIC component	Vapor type	Nicotine plus	3.01723893	0.48692111	5.76E-10	1.42E-08
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system sucrose specific IIC component	Vapor type	Nicotine free	3.57210447	0.60993153	0.0011596	0.02155661
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system ascorbate specific IIB component EC 2 7 1 194	Vapor type	Nicotine plus	2.2608157	0.395441	1.08E-08	2.36E-07
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system trehalose specific IIB component EC 2 7 1 201	Biofilm type	Intermediate	-1.5804659	0.28027695	1.71E-08	3.65E-07
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		phosphotransferase system enzyme I PtsI EC 2 7 3 9	Vapor type	Nicotine plus	2.58465743	0.46294107	2.37E-08	4.96E-07
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system N acetylglucosamine specific IIB component Ec	Vapor type	Nicotine plus	1.95362022	0.3549207	3.70E-08	7.60E-07
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactitol specific IIB component EC 2 7 1 200	Biofilm type	Pathogen-rich	-2.1269114	0.38691547	3.86E-08	7.91E-07
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system sugar specific IIA component EC 2 7 1	Vapor type	Nicotine plus	3.14642487	0.57505023	4.46E-08	9.08E-07
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system N acetylglucosamine specific IIC component	Biofilm type	Pathogen-rich	-2.8232266	0.5320073	1.12E-07	2.18E-06
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactitol specific IIB component EC 2 7 1 200	Biofilm type	Intermediate	-2.8273633	0.5340928	1.20E-07	2.33E-06
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactose specific IIC component	Vapor type	Nicotine free	3.62433952	0.70034	2.28E-07	4.28E-06
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactose specific IIB component EC 2 7 1 204	Vapor type	Nicotine plus	2.40743137	0.48382004	6.50E-07	1.16E-05
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactitol specific IIB component EC 2 7 1 200	Vapor type	Nicotine free	3.25047012	0.65661691	7.41E-07	1.31E-05
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannose specific IIC component	Vapor type	Nicotine free	3.1258893	0.66241095	2.37E-06	3.98E-05
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system ascorbate specific IIA component EC 2 7 1 194	Biofilm type	Intermediate	-0.9489414	0.20241394	2.76E-06	4.58E-05
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactitol specific IIC component	Vapor type	Nicotine free	2.31196879	0.49657648	3.23E-06	5.32E-05
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system trehalose specific IIB component EC 2 7 1 201	Biofilm type	Pathogen-rich	-1.205226	0.27073122	8.52E-06	0.000134187
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system N acetylglucosamine specific IIC component	Biofilm type	Intermediate	-3.986867	0.93335419	1.94E-05	0.000292675
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannose specific IIB component	Vapor type	Nicotine free	2.79588809	0.71560588	9.20E-05	0.001279492
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactose specific IIC component	Vapor type	Nicotine plus	2.67139555	0.70083999	0.00013801	0.001877912
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannitol specific IIC component	Vapor type	Nicotine plus	1.33284955	0.53501123	0.0001596	0.02155661
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system sucrose specific IIC component	Vapor type	Nicotine plus	3.4010891	0.51046833	0.00024033	0.003204674
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactitol specific IIC component	Biofilm type	Intermediate	-1.6790049	0.46169221	0.00017623	0.003616439
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system ascorbate specific IIB component EC 2 7 1 194	Biofilm type	Intermediate	-0.9317912	0.27977074	0.00084475	0.010200464
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system mannose specific IIC component	Vapor type	Nicotine plus	2.15183129	0.66274351	0.00116688	0.013744779
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system trehalose specific IIB component EC 2 7 1 201	Vapor type	Nicotine plus	0.97058987	0.30026846	0.00122752	0.014040176
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		PTS system galactitol specific IIC component	Biofilm type	Pathogen-rich	-1.4222177	0.44802246	0.00150159	0.017354035
Environmental Information Processing Membrane transport	k002060	Phosphotransferase system PTS		phosphotransferase system enzyme I PtsI EC 2 7 3 9	Vapor type	Nicotine free	1.57131841	0.50533082	0.00187414	0.02131275
Environmental Information Processing Membrane transport	k002044	Secretion system	core	dCMP deaminase EC 3 5 4 12	Vapor type	Nicotine free	3.39296618	0.19330254	5.68E-69	2.78E-66
Environmental Information Processing Membrane transport	k002044	Secretion system	core	dCMP deaminase EC 3 5 4 12	Vapor type	Nicotine plus	2.28818849	0.19954521	1.93E-30	2.56E-28
Environmental Information Processing Membrane transport	k002044	Secretion system	core	YggT family protein	Vapor type	Nicotine free	3.34028796	0.29714526	2.56E-29	3.13E-27
Environmental Information Processing Membrane transport	k002044	Secretion system	core	competence protein ComGA	Vapor type	Nicotine free	1.35478599	0.04712106	8.76E-182	1.26E-178
Environmental Information Processing Membrane transport	k002044	Secretion system	core	accessory secretory protein Asp2	Vapor type	Nicotine free	2.12832469	0.06070429	6.69E-269	5.75E-266
Environmental Information Processing Membrane transport	k002044	Secretion system		type IV secretion system protein VirD4	Vapor type	Nicotine free	4.45411845	0.50200967	7.15E-19	4.26E-17
Environmental Information Processing Membrane transport	k002044	Secretion system		leader peptidase prelin peptidase N methyltransferase	Vapor type	Nicotine free	3.31460587	0.39460687	4.47E-17	2.26E-15
Environmental Information Processing Membrane transport	k002044	Secretion system		sec independent protein translocase protein TatA	Vapor type	Nicotine free	3.83356759	0.47492793	6.92E-16	3.17E-14
Environmental Information Processing Membrane transport	k002044	Secretion system		YggT family protein	Vapor type	Nicotine plus	2.29066357	0.30496641	5.86E-14	2.18E-12
Environmental Information Processing Membrane transport	k002044	Secretion system		accessory secretory protein Asp2	Vapor type	Nicotine plus	0.53869539	0.07220962	8.64E-14	3.17E-12
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComFC	Vapor type	Nicotine free	3.49724107	0.48525993	5.72E-13	1.91E-11
Environmental Information Processing Membrane transport	k002044	Secretion system		type IV secretion system protein VirD4	Vapor type	Nicotine plus	3.62481644	0.50318172	5.86E-13	1.95E-11
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComFA	Vapor type	Nicotine free	4.02942959	0.57738945	2.98E-12	9.16E-11
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGA	Biofilm type	Intermediate	-0.2911445	0.05443883	0.00013428	0.001862847
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComEA	Vapor type	Nicotine free	3.02938182	0.47040881	4.87E-11	1.33E-09
Environmental Information Processing Membrane transport	k002044	Secretion system		fused signal recognition particle receptor	Vapor type	Nicotine free	3.28131068	0.54744665	2.05E-09	4.80E-08
Environmental Information Processing Membrane transport	k002044	Secretion system		sec independent protein translocase protein TatA	Vapor type	Nicotine plus	2.75533441	0.47755013	1.01E-08	2.22E-07
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGC	Vapor type	Nicotine free	2.90520101	0.52815434	3.78E-08	7.76E-07
Environmental Information Processing Membrane transport	k002044	Secretion system		accessory secretory protein Asp2	Biofilm type	Intermediate	-0.2434794	0.04430451	3.89E-08	7.97E-07
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGF	Vapor type	Nicotine free	3.1033002	0.57031852	5.29E-08	1.07E-06
Environmental Information Processing Membrane transport	k002044	Secretion system		leader peptidase prelin peptidase N methyltransferase	Vapor type	Nicotine plus	2.12829765	0.39918351	9.73E-08	1.92E-06
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComFC	Vapor type	Nicotine plus	2.46308444	0.48712106	4.27E-07	7.76E-06
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComFA	Vapor type	Nicotine plus	2.89039199	0.57814614	5.75E-07	1.03E-05
Environmental Information Processing Membrane transport	k002044	Secretion system		dCMP deaminase EC 3 5 4 12	Biofilm type	Intermediate	-0.3677184	0.0735702	5.79E-07	1.04E-05
Environmental Information Processing Membrane transport	k002044	Secretion system		accessory secretory protein Asp3	Vapor type	Nicotine free	2.96471355	0.59649093	6.69E-07	1.19E-05
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComEA	Vapor type	Nicotine plus	2.18495076	0.47176665	3.63E-06	5.94E-05
Environmental Information Processing Membrane transport	k002044	Secretion system		tight adherence protein B	Biofilm type	Pathogen-rich	-2.2763048	0.49874784	5.02E-06	8.11E-05
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComEC	Vapor type	Nicotine free	2.61158084	0.58759578	8.81E-06	0.000138571
Environmental Information Processing Membrane transport	k002044	Secretion system		sec independent protein translocase protein TatC	Vapor type	Nicotine free	2.45132588	0.55673994	1.07E-05	0.000166039
Environmental Information Processing Membrane transport	k002044	Secretion system		tight adherence protein B	Biofilm type	Intermediate	-2.844012	0.64889863	1.17E-05	0.000181078
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGD	Vapor type	Nicotine free	2.66826032	0.62202307	1.79E-05	0.000271114
Environmental Information Processing Membrane transport	k002044	Secretion system		accessory secretory protein Asp1	Vapor type	Nicotine free	3.10225819	0.72603973	1.93E-05	0.000291136
Environmental Information Processing Membrane transport	k002044	Secretion system		fused signal recognition particle receptor	Vapor type	Nicotine plus	2.13652884	0.54816885	6.15E-05	0.000876003
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGF	Vapor type	Nicotine plus	2.01558702	0.05443883	4.24E-11	1.17E-09
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGB	Vapor type	Nicotine free	2.12145879	0.57224172	0.0002095	0.02782242
Environmental Information Processing Membrane transport	k002044	Secretion system		sec independent protein translocase protein TatB	Vapor type	Nicotine free	2.5748887	0.70573793	0.00026377	0.003460168
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGC	Vapor type	Nicotine plus	2.87761709	0.82013153	0.00045026	0.005712554
Environmental Information Processing Membrane transport	k002044	Secretion system		competence protein ComGC	Vapor type	Nicotine plus	1.86408199	0.53141991	0.00045193	0.005726996
Environmental Information Processing Membrane transport	k002044	Secretion system		membrane fusion protein adhesin transport system	Vapor type	Nicotine free	2.27128832	0.66686072	0.00065936	0.008088361
Environmental Information Processing Membrane transport										

Environmental Information Processing Membrane t	k002000	Transporters	core	polar amino acid transport system ATP binding protein	EC 3	Biofilm type	Intermediate	-0.4133513	0.03036045	3.27E-42	7.45E-40
Environmental Information Processing Membrane t	k002000	Transporters	core	peptide nickel transport system permease protein		Vapor Type	Nicotinic free	3.47979042	0.28186593	5.15E-35	8.63E-33
Environmental Information Processing Membrane t	k002000	Transporters	core	putative ABC transport system ATP binding protein		Vapor Type	Nicotinic free	4.25063989	0.31034231	1.06E-42	2.44E-40
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter OPA family glycerol 3 phosphate transpor		Vapor Type	Nicotinic free	4.52335257	0.23696965	3.16E-81	2.03E-78
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter OPA family glycerol 3 phosphate transpor		Vapor Type	Nicotinic plus	2.93455107	0.24187703	7.11E-34	1.13E-31
Environmental Information Processing Membrane t	k002000	Transporters	core	PTS system mannose specific IIA component	EC 2 7 1 191	Vapor Type	Nicotinic free	3.93406242	0.28127445	1.88E-44	4.63E-42
Environmental Information Processing Membrane t	k002000	Transporters	core	PTS system mannose specific IIA component	EC 2 7 1 191	Vapor Type	Nicotinic plus	2.98091261	0.28552732	1.63E-25	1.57E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	large conductance mechanosensitive channel		Vapor Type	Nicotinic free	3.52371834	0.33631011	1.10E-25	1.08E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	lactate permease		Vapor Type	Nicotinic free	4.88272404	0.38485104	6.92E-37	1.27E-34
Environmental Information Processing Membrane t	k002000	Transporters	core	ammonium transporter Amt family		Vapor Type	Nicotinic free	4.8340407	0.4650053	2.54E-25	2.44E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	tr system potassium uptake protein		Vapor Type	Nicotinic free	2.75010765	0.06183858	0	0
Environmental Information Processing Membrane t	k002000	Transporters	core	tr system potassium uptake protein		Vapor Type	Nicotinic plus	1.74991718	0.06495256	7.18E-160	9.57E-157
Environmental Information Processing Membrane t	k002000	Transporters	core	tr system potassium uptake protein		Biofilm type	Intermediate	-0.3759603	0.0312727	2.72E-33	4.17E-31
Environmental Information Processing Membrane t	k002000	Transporters	core	arginine ornithine antiporter lysine permease		Vapor Type	Nicotinic free	5.28841736	0.3911993	7.93E-55	2.78E-52
Environmental Information Processing Membrane t	k002000	Transporters	core	arsenical pump membrane protein		Vapor Type	Nicotinic free	4.50937413	0.42104208	9.13E-27	9.53E-25
Environmental Information Processing Membrane t	k002000	Transporters	core	multicomponent Na H antiporter subunit A		Vapor Type	Nicotinic free	6.38646565	0.56122641	5.29E-30	6.80E-28
Environmental Information Processing Membrane t	k002000	Transporters	core	multicomponent Na H antiporter subunit B		Vapor Type	Nicotinic free	5.95604069	0.54119869	3.60E-28	4.11E-26
Environmental Information Processing Membrane t	k002000	Transporters	core	chloramphenicol sensitive protein RarD		Vapor Type	Nicotinic free	4.46960799	0.31535544	1.34E-45	3.37E-43
Environmental Information Processing Membrane t	k002000	Transporters	core	magnesium transporter		Vapor Type	Nicotinic free	4.10926961	0.36076285	4.66E-30	6.02E-28
Environmental Information Processing Membrane t	k002000	Transporters	core	Lysine exporter family protein LysE ArgO		Vapor Type	Nicotinic free	5.30966262	0.51095365	2.71E-25	2.59E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter OPA family hexose phosphate transport p		Vapor Type	Nicotinic free	5.15152212	0.24259239	7.07E-34	1.12E-31
Environmental Information Processing Membrane t	k002000	Transporters	core	anaerobic C4 dicarboxylate transporter DcuA		Vapor Type	Nicotinic free	4.57936125	0.3469043	8.70E-40	1.81E-37
Environmental Information Processing Membrane t	k002000	Transporters	core	serine threonine transporter		Vapor Type	Nicotinic free	3.72745465	0.18188709	2.47E-93	1.78E-90
Environmental Information Processing Membrane t	k002000	Transporters	core	serine threonine transporter		Vapor Type	Nicotinic plus	3.00374812	0.18414173	8.09E-60	3.37E-57
Environmental Information Processing Membrane t	k002000	Transporters	core	Fe S cluster assembly ATP binding protein		Vapor Type	Nicotinic free	4.05097396	0.34099937	1.51E-32	2.22E-30
Environmental Information Processing Membrane t	k002000	Transporters	core	translocation and assembly module TamB		Vapor Type	Nicotinic free	4.74581615	0.4134797	1.71E-30	2.27E-28
Environmental Information Processing Membrane t	k002000	Transporters	core	putative glutamine transport system substrate binding prote		Vapor Type	Nicotinic free	1.56449208	0.12037974	1.28E-38	2.57E-36
Environmental Information Processing Membrane t	k002000	Transporters	core	spermidine putrescine transport system ATP binding protein		Vapor Type	Nicotinic free	2.42802484	0.07519154	9.30E-229	1.71E-225
Environmental Information Processing Membrane t	k002000	Transporters	core	spermidine putrescine transport system ATP binding protein		Vapor Type	Nicotinic plus	1.20080679	0.08211237	2.57E-48	7.29E-46
Environmental Information Processing Membrane t	k002000	Transporters	core	ATP binding cassette subfamily B bacterial MdsA EC 3 6 3		Vapor Type	Nicotinic free	4.31551519	0.39068835	7.39E-20	2.23E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	ATP binding cassette subfamily B bacterial MdsA EC 3 6 3		Vapor Type	Nicotinic plus	3.15494678	0.29327968	5.47E-27	5.76E-25
Environmental Information Processing Membrane t	k002000	Transporters	core	phosphotransfer protein		Vapor Type	Nicotinic free	3.39967657	0.24616957	2.71E-43	5.21E-41
Environmental Information Processing Membrane t	k002000	Transporters	core	lysine specific permease		Vapor Type	Nicotinic free	5.53429458	0.48417584	2.95E-30	3.86E-28
Environmental Information Processing Membrane t	k002000	Transporters	core	D serine D alanine glycine transporter		Vapor Type	Nicotinic free	5.27447335	0.28348524	2.88E-77	1.67E-74
Environmental Information Processing Membrane t	k002000	Transporters	core	D serine D alanine glycine transporter		Vapor Type	Nicotinic plus	3.36954155	0.28272715	9.03E-32	1.28E-29
Environmental Information Processing Membrane t	k002000	Transporters	core	nicel transport system substrate binding protein		Vapor Type	Nicotinic free	3.79325083	0.24126433	1.06E-55	3.91E-53
Environmental Information Processing Membrane t	k002000	Transporters	core	arabinogalactan oligomer multiooligosaccharide transport		Vapor Type	Nicotinic free	2.43875905	0.08477772	5.63E-182	8.34E-179
Environmental Information Processing Membrane t	k002000	Transporters	core	arabinogalactan oligomer multiooligosaccharide transport		Vapor Type	Nicotinic plus	1.3444461	0.09128772	4.26E-49	1.25E-46
Environmental Information Processing Membrane t	k002000	Transporters	core	ATP binding cassette subfamily C bacterial CydC		Vapor Type	Nicotinic free	5.49315335	0.51512536	1.50E-26	1.56E-24
Environmental Information Processing Membrane t	k002000	Transporters	core	ATP binding cassette subfamily C bacterial CydD		Vapor Type	Nicotinic free	5.00445654	0.40846498	1.64E-34	2.69E-32
Environmental Information Processing Membrane t	k002000	Transporters	core	thiamine transporter		Vapor Type	Nicotinic free	4.11767665	0.34885342	3.75E-32	5.35E-30
Environmental Information Processing Membrane t	k002000	Transporters	core	L cystine transport system substrate binding protein		Vapor Type	Nicotinic free	0.90131642	0.06153761	1.42E-48	4.00E-46
Environmental Information Processing Membrane t	k002000	Transporters	core	bacterial archaeal transporter family 2 protein		Vapor Type	Nicotinic free	4.19058815	0.40688863	7.11E-25	6.57E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter ACS family glucarate transporter		Vapor Type	Nicotinic free	4.60385233	0.44736809	7.74E-25	7.14E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	chloramphenicol sensitive protein RarD		Vapor Type	Nicotinic plus	3.27473237	0.31904376	1.02E-24	9.39E-23
Environmental Information Processing Membrane t	k002000	Transporters	core	energy coupling factor transport system substrate specific c		Vapor Type	Nicotinic free	3.70160985	0.36365082	2.46E-24	2.20E-22
Environmental Information Processing Membrane t	k002000	Transporters	core	nucleoside transport protein		Vapor Type	Nicotinic free	5.43352443	0.54012789	8.33E-24	7.18E-22
Environmental Information Processing Membrane t	k002000	Transporters	core	outer membrane receptor for ferrienterochelin and colicins		Vapor Type	Nicotinic free	3.14212992	0.31326514	1.12E-23	9.57E-22
Environmental Information Processing Membrane t	k002000	Transporters	core	iron complex outer membrane receptor protein		Vapor Type	Nicotinic plus	2.2470766	0.24708837	3.34E-23	1.24E-21
Environmental Information Processing Membrane t	k002000	Transporters	core	molinate transport system permease protein		Vapor Type	Nicotinic free	4.08635129	0.34313316	7.44E-20	2.22E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	cobalt zinc cadmium efflux system protein		Vapor Type	Nicotinic free	3.86959498	0.39212029	4.54E-23	3.73E-21
Environmental Information Processing Membrane t	k002000	Transporters	core	choline glycine proline betaine transport protein		Vapor Type	Nicotinic free	3.83675022	0.39170115	1.18E-22	9.46E-21
Environmental Information Processing Membrane t	k002000	Transporters	core	arabinogalactan oligomer multiooligosaccharide transport		Biofilm type	Pathogen-rich	-0.4731032	0.04877781	3.04E-22	2.39E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	manganese transport protein		Vapor Type	Nicotinic free	3.64697046	0.37711174	4.01E-22	3.13E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	glucanase H symporter GntP family		Vapor Type	Nicotinic free	5.11432647	0.53141074	6.33E-22	4.89E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	thiamine transporter		Vapor Type	Nicotinic plus	3.38544744	0.35178826	6.36E-22	4.91E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	translocation and assembly module TamB		Vapor Type	Nicotinic plus	3.97729507	0.41398428	7.44E-22	5.69E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	arabinogalactan oligomer multiooligosaccharide transport		Biofilm type	Intermediate	-0.4655121	0.04866408	1.11E-21	8.32E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	biotin transport system substrate specific component		Vapor Type	Nicotinic free	3.54531276	0.37083648	1.17E-21	8.74E-20
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter DHA1 family multidrug resistance protein		Vapor Type	Nicotinic free	3.92774021	0.41226586	1.62E-21	1.20E-19
Environmental Information Processing Membrane t	k002000	Transporters	core	lactate permease		Vapor Type	Nicotinic plus	3.66161619	0.38740667	3.34E-21	2.42E-19
Environmental Information Processing Membrane t	k002000	Transporters	core	ferrous iron transport protein B		Vapor Type	Nicotinic free	4.27874462	0.45315935	3.66E-21	2.65E-19
Environmental Information Processing Membrane t	k002000	Transporters	core	putative ribose uptake protein		Vapor Type	Nicotinic free	5.1627882	0.55100481	7.27E-21	5.13E-19
Environmental Information Processing Membrane t	k002000	Transporters	core	proton glutamate symport protein		Vapor Type	Nicotinic free	5.09463597	0.54608965	1.07E-20	7.43E-19
Environmental Information Processing Membrane t	k002000	Transporters	core	putative ABC transport system permease protein		Vapor Type	Nicotinic free	3.48217874	0.37683005	2.45E-20	1.67E-18
Environmental Information Processing Membrane t	k002000	Transporters	core	cystine transport system substrate binding protein		Vapor Type	Nicotinic free	4.85180912	0.52894631	4.62E-20	3.08E-18
Environmental Information Processing Membrane t	k002000	Transporters	core	vitamin B12 transporter		Vapor Type	Nicotinic free	3.70031863	0.40751341	1.08E-19	6.93E-18
Environmental Information Processing Membrane t	k002000	Transporters	core	NitT Tau1 family transport system ATP binding protein		Vapor Type	Nicotinic free	2.96804557	0.32123999	1.48E-19	9.38E-18
Environmental Information Processing Membrane t	k002000	Transporters	core	putative ABC transport system ATP binding protein		Vapor Type	Nicotinic plus	2.84827474	0.31695594	2.56E-19	1.59E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	lactate permease		Vapor Type	Nicotinic free	4.08635129	0.34313316	7.44E-20	2.22E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	multiple sugar transport system permease protein		Vapor Type	Nicotinic free	4.09341445	0.45799604	3.70E-19	2.26E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	putative amino acid transporter		Vapor Type	Nicotinic free	5.69810432	0.63903385	4.80E-19	2.91E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter DHA2 family multidrug resistance protein		Vapor Type	Nicotinic free	6.54602742	0.73585108	5.80E-19	3.49E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	small multidrug resistance pump		Vapor Type	Nicotinic free	-3.7255324	0.19171996	6.92E-19	4.13E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	phosphotransfer protein		Vapor Type	Nicotinic plus	2.23887672	0.25227919	7.02E-19	4.19E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	serine threonine transporter		Biofilm type	Intermediate	-0.4906798	0.05563535	1.15E-18	6.72E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	trimeric autotransporter adhesin		Vapor Type	Nicotinic free	4.62094023	0.52624543	1.62E-18	9.27E-17
Environmental Information Processing Membrane t	k002000	Transporters	core	lysine specific permease		Vapor Type	Nicotinic plus	4.23161455	0.48535132	2.82E-18	1.58E-16
Environmental Information Processing Membrane t	k002000	Transporters	core	membrane fusion protein macrolide specific efflux system		Vapor Type	Nicotinic free	4.97466396	0.57283507	3.81E-18	2.12E-16
Environmental Information Processing Membrane t	k002000	Transporters	core	arginine ornithine antiporter lysine permease		Vapor Type	Nicotinic plus	2.97609873	0.34423964	5.36E-18	2.95E-16
Environmental Information Processing Membrane t	k002000	Transporters	core	nicel transport system substrate binding protein		Vapor Type	Nicotinic plus	2.11952372	0.24600772	6.95E-18	3.78E-16
Environmental Information Processing Membrane t	k002000	Transporters	core	stage V sporulation protein B		Vapor Type	Nicotinic free	3.65873474	0.43024255	1.83E-17	9.64E-16
Environmental Information Processing Membrane t	k002000	Transporters	core	anaerobic C4 dicarboxylate transporter DcuA		Vapor Type	Nicotinic plus	2.97948794	0.35070453	1.97E-17	1.03E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	putative MFS transporter AGZA family xanthine uracil per		Vapor Type	Nicotinic free	3.15708275	0.37195273	2.10E-17	1.09E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	C4 dicarboxylate transporter DcuC family		Vapor Type	Nicotinic free	3.49176744	0.41209991	2.39E-17	1.24E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	moderate conductance mechanosensitive channel		Vapor Type	Nicotinic free	3.23146498	0.38313049	3.33E-17	1.70E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	Fe S cluster assembly ATP binding protein		Vapor Type	Nicotinic plus	2.87716277	0.34216406	4.14E-17	2.10E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter UMF1 family		Biofilm type	Intermediate	-2.2842333	0.27175292	4.26E-17	2.15E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	ATP binding cassette subfamily C bacterial CydC		Vapor Type	Nicotinic free	5.51917182	0.6568414	4.35E-17	2.20E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	fluoride exporter		Vapor Type	Nicotinic free	3.22543875	0.38549916	3.91E-17	2.94E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	zinc transporter ZIP family		Vapor Type	Nicotinic free	4.03281462	0.48205548	5.97E-17	2.97E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	multidrug efflux pump		Vapor Type	Nicotinic free	5.32657283	0.63754055	6.55E-17	3.25E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	L-asparagine permease		Biofilm type	Pathogen-rich	2.3338912	0.2802045	8.14E-17	4.00E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	Na H antiporter NhaA family		Vapor Type	Nicotinic free	4.95803258	0.59586457	8.74E-17	4.29E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	small multidrug resistance pump		Vapor Type	Nicotinic plus	-4.0122685	0.48287707	9.64E-17	4.72E-15
Environmental Information Processing Membrane t	k002000	Transporters	core	MFS transporter OPA family hexose phosphate transport p		Biofilm type	Pathogen-rich	0.6494098	0.07822749	1.03E-16	5.01E-15
Environmental Information Processing Membrane t	k002000	Transporters	core								

Environmental Information Processing Membrane t	ko02000	Transporters		multiple antibiotic resistance protein	Vapor Type	Nicotine free	2.54322346	0.32273007	3.26E-15	1.39E-13
Environmental Information Processing Membrane t	ko02000	Transporters		bacitracin transport system ATP binding protein	Vapor Type	Nicotine free	5.41632786	0.68810963	3.51E-15	1.49E-13
Environmental Information Processing Membrane t	ko02000	Transporters		cystine transport system permease protein	Vapor Type	Nicotine free	4.5132758	0.57633543	4.84E-15	2.02E-13
Environmental Information Processing Membrane t	ko02000	Transporters		citrate succinate antiporter	Vapor Type	Nicotine free	3.77328003	0.48258303	5.33E-15	2.22E-13
Environmental Information Processing Membrane t	ko02000	Transporters	core	ferrous iron transport protein A	Vapor Type	Nicotine free	4.29074619	0.55180334	7.49E-15	3.07E-13
Environmental Information Processing Membrane t	ko02000	Transporters		Ca activated chloride channel homolog	Vapor Type	Nicotine free	3.02929833	0.39030942	8.41E-15	3.42E-13
Environmental Information Processing Membrane t	ko02000	Transporters		tr system potassium uptake protein	Biofilm Type	Pathogen-rich	-0.2329307	0.03001314	8.43E-15	3.43E-13
Environmental Information Processing Membrane t	ko02000	Transporters		putrescine ornithine antiporter	Vapor Type	Nicotine free	5.53568273	0.71410203	9.05E-15	3.67E-13
Environmental Information Processing Membrane t	ko02000	Transporters	core	trimelic autotransporter adhesin	Vapor Type	Nicotine plus	4.03951386	0.5262857	1.94E-14	4.92E-13
Environmental Information Processing Membrane t	ko02000	Transporters		cycline transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine free	5.13389274	0.65719784	1.42E-14	5.66E-13
Environmental Information Processing Membrane t	ko02000	Transporters		choline glycine proline betaine transport protein	Vapor Type	Nicotine free	3.02226194	0.39333302	1.55E-14	6.13E-13
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter MHS family proline betaine transporter	Vapor Type	Nicotine free	3.20117237	0.41672209	1.57E-14	6.21E-13
Environmental Information Processing Membrane t	ko02000	Transporters		Na H antiporter NhaC family	Vapor Type	Nicotine free	4.44083961	0.57968462	1.85E-14	7.24E-13
Environmental Information Processing Membrane t	ko02000	Transporters		manganese zinc iron transport system permease protein	Vapor Type	Nicotine free	3.42421218	0.44957161	2.60E-14	1.01E-12
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter MHS family proline betaine transporter	Biofilm Type	Intermediate	-3.1379105	0.4124995	2.80E-14	1.08E-12
Environmental Information Processing Membrane t	ko02000	Transporters		Ca activated chloride channel homolog	Biofilm Type	Intermediate	-2.9999635	0.39537169	3.26E-14	1.24E-12
Environmental Information Processing Membrane t	ko02000	Transporters		sodium proline symporter	Vapor Type	Nicotine free	4.45706542	0.59485431	6.75E-14	2.50E-12
Environmental Information Processing Membrane t	ko02000	Transporters		putative inorganic carbon hco3 transporter	Vapor Type	Nicotine free	4.6045898	0.61461153	6.79E-14	2.52E-12
Environmental Information Processing Membrane t	ko02000	Transporters		multidrug hemolysin transport system permease protein	Vapor Type	Nicotine free	3.18916871	0.42611712	7.20E-14	2.66E-12
Environmental Information Processing Membrane t	ko02000	Transporters		multiple sugar transport system substrate binding protein	Vapor Type	Nicotine free	4.11278799	0.55004004	7.59E-14	2.80E-12
Environmental Information Processing Membrane t	ko02000	Transporters		sulfate permease SulP family	Vapor Type	Nicotine plus	3.40771308	0.45642431	8.26E-14	3.04E-12
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter DHA1 family multidrug resistance protein	Vapor Type	Nicotine plus	3.08525057	0.41358857	8.67E-14	3.18E-12
Environmental Information Processing Membrane t	ko02000	Transporters		serine threonine transporter	Biofilm Type	Pathogen-rich	4.0031943	0.05417214	9.85E-14	3.58E-12
Environmental Information Processing Membrane t	ko02000	Transporters		peptide nikel transport system permease protein	Vapor Type	Nicotine plus	2.1298862	0.28680576	1.12E-13	4.04E-12
Environmental Information Processing Membrane t	ko02000	Transporters		ATP binding cassette subfamily C bacterial CydC	Vapor Type	Nicotine plus	4.8772802	0.65713603	1.15E-13	4.17E-12
Environmental Information Processing Membrane t	ko02000	Transporters		L asparagine permease	Biofilm Type	Intermediate	-3.3496954	0.45170207	1.21E-13	4.36E-12
Environmental Information Processing Membrane t	ko02000	Transporters		branched chain amino acid transport system permease prot	Vapor Type	Nicotine free	2.4889928	0.33595964	1.28E-13	4.58E-12
Environmental Information Processing Membrane t	ko02000	Transporters		iron complex transport system permease protein	Vapor Type	Nicotine free	3.14660168	0.4255957	1.43E-13	5.10E-12
Environmental Information Processing Membrane t	ko02000	Transporters	core	glycosyltransferase 2 family protein	Vapor Type	Nicotine free	3.67506346	0.4998057	1.94E-13	6.80E-12
Environmental Information Processing Membrane t	ko02000	Transporters	core	small multidrug resistat pump	Biofilm Type	Pathogen-rich	4.5388067	0.61951778	2.36E-13	8.29E-12
Environmental Information Processing Membrane t	ko02000	Transporters	core	biopolymer transport protein ExdB	Vapor Type	Nicotine free	3.7651175	0.51407783	2.41E-13	8.37E-12
Environmental Information Processing Membrane t	ko02000	Transporters	core	small multidrug resistance pump	Biofilm Type	Intermediate	-4.5437521	0.62103401	2.55E-13	8.83E-12
Environmental Information Processing Membrane t	ko02000	Transporters	core	molylbrate transport system permease protein	Vapor Type	Nicotine plus	3.21049272	0.4394326	2.75E-13	9.51E-12
Environmental Information Processing Membrane t	ko02000	Transporters		vitamin B12 transporter	Vapor Type	Nicotine plus	2.98604757	0.40927205	2.96E-13	1.02E-11
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter ACDE family multidrug resistance protein	Biofilm Type	Pathogen-rich	-2.4989659	0.34379055	3.63E-13	1.24E-11
Environmental Information Processing Membrane t	ko02000	Transporters		lipopolysaccharide export system protein LptC	Vapor Type	Nicotine free	5.02859211	0.69257988	3.85E-13	1.31E-11
Environmental Information Processing Membrane t	ko02000	Transporters		membrane fusion protein macrolide specific efflux system	Vapor Type	Nicotine plus	4.16380188	0.57428801	4.16E-13	1.41E-11
Environmental Information Processing Membrane t	ko02000	Transporters		arabinogalactan oligomer maltoligosaccharide transport	Vapor Type	Nicotine free	4.28000206	0.59177788	4.74E-13	1.60E-11
Environmental Information Processing Membrane t	ko02000	Transporters		arabinogalactan oligomer maltoligosaccharide transport	Vapor Type	Nicotine free	3.67589259	0.51232589	7.24E-13	2.39E-11
Environmental Information Processing Membrane t	ko02000	Transporters		peptide nikel transport system substrate binding protein	Vapor Type	Nicotine free	3.2502458	0.45305932	7.28E-13	2.40E-11
Environmental Information Processing Membrane t	ko02000	Transporters		D methionine transport system substrate binding protein	Vapor Type	Nicotine free	3.24811729	0.45318967	7.65E-13	2.51E-11
Environmental Information Processing Membrane t	ko02000	Transporters		multidrug efflux pump	Vapor Type	Nicotine plus	4.53158214	0.63820342	1.24E-12	4.00E-11
Environmental Information Processing Membrane t	ko02000	Transporters		NitT TauT family transport system permease protein	Vapor Type	Nicotine free	3.38411655	0.47750147	1.37E-12	4.38E-11
Environmental Information Processing Membrane t	ko02000	Transporters		Stage V sporulation protein B	Vapor Type	Nicotine plus	3.05427839	0.43117017	1.40E-12	4.49E-11
Environmental Information Processing Membrane t	ko02000	Transporters		L asparagine permease	Vapor Type	Nicotine free	3.79549468	0.53689496	1.56E-12	4.95E-11
Environmental Information Processing Membrane t	ko02000	Transporters		holin lie protein	Vapor Type	Nicotine free	3.04113587	0.43287529	2.13E-12	6.68E-11
Environmental Information Processing Membrane t	ko02000	Transporters		multicomponent Na H antiporter subunit A	Vapor Type	Nicotine plus	3.95175769	0.56418078	2.48E-12	7.71E-11
Environmental Information Processing Membrane t	ko02000	Transporters		maltose maltoligosaccharide transporter	Vapor Type	Nicotine free	6.71792999	0.96109985	2.75E-12	8.50E-11
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter FSR family fosmidomycin resistance prot	Vapor Type	Nicotine plus	3.23803426	0.46327476	2.94E-12	8.52E-11
Environmental Information Processing Membrane t	ko02000	Transporters		manganese transport protein	Vapor Type	Nicotine plus	2.64031529	0.37819678	2.93E-12	8.99E-11
Environmental Information Processing Membrane t	ko02000	Transporters		Lysine exporter family protein LysE ArgO	Vapor Type	Nicotine plus	3.5905007	0.51556907	3.30E-12	1.01E-10
Environmental Information Processing Membrane t	ko02000	Transporters		glucose uptake protein	Vapor Type	Nicotine free	5.94576781	0.85579712	3.71E-12	1.13E-10
Environmental Information Processing Membrane t	ko02000	Transporters		NitT TauT family transport system ATP binding protein	Vapor Type	Nicotine plus	2.25948829	0.32654491	4.54E-12	1.36E-10
Environmental Information Processing Membrane t	ko02000	Transporters		ceramide glucosyltransferase EC 2 4 1 80	Vapor Type	Nicotine free	3.6193364	0.52545886	5.66E-12	1.68E-10
Environmental Information Processing Membrane t	ko02000	Transporters		magnesium transporter	Vapor Type	Nicotine plus	2.51280467	0.36536101	6.09E-12	1.81E-10
Environmental Information Processing Membrane t	ko02000	Transporters	core	multiple sugar transport system ATP binding protein	Vapor Type	Nicotine free	3.67176588	0.54079451	1.12E-11	3.25E-10
Environmental Information Processing Membrane t	ko02000	Transporters		C4 dicarboxylate transporter DcuC family	Vapor Type	Nicotine plus	2.80526286	0.41406822	1.25E-11	3.58E-10
Environmental Information Processing Membrane t	ko02000	Transporters		multicomponent Na H antiporter subunit B	Vapor Type	Nicotine free	5.75556357	0.85202344	1.43E-11	4.08E-10
Environmental Information Processing Membrane t	ko02000	Transporters		multiple sugar transport system permease protein	Vapor Type	Nicotine free	3.27018027	0.48897948	2.27E-11	6.40E-10
Environmental Information Processing Membrane t	ko02000	Transporters		biotin transport system substrate specific component	Vapor Type	Nicotine plus	2.49068187	0.37273528	2.35E-11	6.63E-10
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter DHA1 family quinolone resistance protein	Vapor Type	Nicotine free	6.39341424	0.96055144	2.82E-11	7.86E-10
Environmental Information Processing Membrane t	ko02000	Transporters		cytosine permease	Vapor Type	Nicotine plus	3.23126714	0.48575073	2.89E-11	8.06E-10
Environmental Information Processing Membrane t	ko02000	Transporters		Na H antiporter NhaA family	Vapor Type	Nicotine plus	3.96915969	0.59683569	2.92E-11	8.14E-10
Environmental Information Processing Membrane t	ko02000	Transporters		fructooligosaccharide transport system substrate binding pr	Vapor Type	Nicotine free	3.38882794	0.51075687	3.25E-11	9.01E-10
Environmental Information Processing Membrane t	ko02000	Transporters		putative ABC transport system substrate binding protein	Vapor Type	Nicotine free	3.68628102	0.55770043	3.85E-11	1.06E-09
Environmental Information Processing Membrane t	ko02000	Transporters		multicomponent Na H antiporter subunit E	Vapor Type	Nicotine plus	6.32159929	0.96646375	6.11E-11	1.64E-09
Environmental Information Processing Membrane t	ko02000	Transporters		cobalt zinc cadmium efflux system protein	Vapor Type	Nicotine plus	2.55774377	0.39285276	7.48E-11	2.00E-09
Environmental Information Processing Membrane t	ko02000	Transporters		multicomponent Na H antiporter subunit D	Vapor Type	Nicotine plus	3.5467593	0.54625632	8.42E-11	2.24E-09
Environmental Information Processing Membrane t	ko02000	Transporters		fructooligosaccharide transport system permease protein	Vapor Type	Nicotine free	3.47043699	0.53518712	8.30E-11	2.35E-09
Environmental Information Processing Membrane t	ko02000	Transporters		NitT TauT family transport system permease protein	Vapor Type	Nicotine plus	2.94515179	0.45440680	7.93E-11	2.79E-09
Environmental Information Processing Membrane t	ko02000	Transporters		sermidine putrescine transport system permease protein	Vapor Type	Nicotine free	2.97637482	0.45932414	9.18E-11	2.43E-09
Environmental Information Processing Membrane t	ko02000	Transporters		phospholipid cholesterol gamma HCH transport system ATP	Vapor Type	Nicotine plus	3.83179911	0.59193546	9.95E-11	2.53E-09
Environmental Information Processing Membrane t	ko02000	Transporters		small conductance mechanosensitive channel	Vapor Type	Nicotine free	3.28972533	0.50956908	1.08E-10	2.83E-09
Environmental Information Processing Membrane t	ko02000	Transporters		biopolymer transport protein ExdB	Vapor Type	Nicotine plus	3.31450687	0.51469243	1.20E-10	3.14E-09
Environmental Information Processing Membrane t	ko02000	Transporters		NitT TauT family transport system substrate binding protein	Vapor Type	Nicotine plus	2.49269086	0.38824577	1.36E-10	3.54E-09
Environmental Information Processing Membrane t	ko02000	Transporters		putative inorganic carbon hco3 transporter	Vapor Type	Nicotine plus	3.95223319	0.61598549	1.40E-10	3.63E-09
Environmental Information Processing Membrane t	ko02000	Transporters		putative aldoaurone transport system permease protein	Vapor Type	Nicotine free	3.68534422	0.57564477	1.53E-10	3.97E-09
Environmental Information Processing Membrane t	ko02000	Transporters		manganese zinc iron transport system permease protein	Vapor Type	Nicotine plus	2.89070789	0.45229303	1.65E-10	4.25E-09
Environmental Information Processing Membrane t	ko02000	Transporters		multiple sugar transport system permease protein	Vapor Type	Nicotine plus	2.9332105	0.45935211	1.71E-10	4.40E-09
Environmental Information Processing Membrane t	ko02000	Transporters		manganese zinc transport system substrate binding protein	Vapor Type	Nicotine free	6.71517629	1.05533734	1.98E-10	5.07E-09
Environmental Information Processing Membrane t	ko02000	Transporters		OmpA OmpF porin OOP family	Vapor Type	Nicotine free	4.38967431	0.6918295	2.22E-10	5.66E-09
Environmental Information Processing Membrane t	ko02000	Transporters		D methionine transport system ATP binding protein	Vapor Type	Nicotine free	3.3101115	0.52399799	2.67E-10	6.73E-09
Environmental Information Processing Membrane t	ko02000	Transporters		glycosyltransferase 2 family protein	Vapor Type	Nicotine plus	3.13270705	0.50163724	4.24E-10	1.06E-08
Environmental Information Processing Membrane t	ko02000	Transporters		citrate succinate antiporter	Vapor Type	Nicotine plus	3.01422208	0.48433443	4.86E-10	1.20E-08
Environmental Information Processing Membrane t	ko02000	Transporters		ammonium transporter Amt family	Vapor Type	Nicotine plus	2.94674003	0.47355669	4.89E-10	1.21E-08
Environmental Information Processing Membrane t	ko02000	Transporters		sodium proline symporter	Vapor Type	Nicotine plus	3.69971897	0.59522218	5.11E-10	1.26E-08
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter NNP family putative nitrate transporter	Vapor Type	Nicotine free	6.21578521	1.00469998	6.14E-10	1.51E-08
Environmental Information Processing Membrane t	ko02000	Transporters		putative lysine transport system ATP binding protein EC 3 6	Vapor Type	Nicotine free	3.38975156	0.55016195	6.49E-10	1.59E-08
Environmental Information Processing Membrane t	ko02000	Transporters		lipopolysaccharide export system permease protein	Vapor Type	Nicotine plus	3.01943873	0.48908768	7.23E-10	1.76E-08
Environmental Information Processing Membrane t	ko02000	Transporters		NitT TauT family transport system permease protein	Vapor Type	Nicotine plus	2.94515179	0.45440680	7.93E-10	2.79E-08
Environmental Information Processing Membrane t	ko02000	Transporters		sermidine putrescine transport system permease protein	Vapor Type	Nicotine free	2.59902093	0.42303588	8.06E-10	1.96E-08
Environmental Information Processing Membrane t	ko02000	Transporters		MFS transporter ACDE family multidrug resistance protein	Biofilm Type	Intermediate	-3.6758827	0.60238078	1.05E-09	2.51E-08
Environmental Information Processing Membrane t	ko02000	Transporters		putative ABC transport system ATP binding protein	Vapor Type	Nicotine free	3.38830249	0.55570689	1.08E-09	2.59E-08
Environmental Information Processing Membrane t	ko02000	Transporters		manganese zinc iron transport system ATP binding protein	Vapor Type	Nicotine free	3.30732469	0.54725841	1.51E-09	3.58E-08
Environmental Information Processing Membrane t	ko02000	Transporters		branched chain amino acid transport system permease prot	Vapor Type	Nicotine free	2.61702379	0.4339352	1.63E-09	3.85E-08
Environmental Information Processing Membrane t	ko02000	Transporters		LPS assembly protein	Vapor Type	Nicotine plus	3.39682125	0.56361261	1.67E-09	3.95E-08
Environmental Information Processing Membrane t	ko02000	Transporters		putative aldoaurone transport system substrate binding pro	Vapor Type	Nicotine free	3.6402815	0.6057331	1.86E-09	4.37E-08
Environmental Information Processing Membrane t	ko02000	Transporters		tr system potassium uptake protein	Vapor Type	Nicotine free	3.10840833	0.51822955	2.00E-09	4.69E-08
Environmental Information Processing Membrane t	ko02000	Transporters		multicomponent Na H antiporter subunit C	Vapor Type	Nicotine free	6.35967345	1.06057709	2.02E-09	4.73E-08
Environmental Information Processing Membrane t	ko02000	Transporters		glutamate Na symporter ESS family	Vapor Type	Nicotine plus	3.56593357	0.59753795	2.41E-09	5.61E-08
Environmental Information Processing Membrane t	ko02000	Transporters		periplasmic protein TonB	Vapor Type	Nicotine free	3.63623262	0.60933233	2.41E-09	5.61E-08

Environmental Information Processing Membrane Transporters	ko02000	Transporters		MF5 transporter DHA2 family multidrug resistance protein	Vapor Type	Nicotine plus	4.25910443	0.73986676	8.58E-09	1.89E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putrescine ornithine antiporter	Vapor Type	Nicotine plus	4.11453018	0.7157857	9.02E-09	1.99E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		D serine D alanine glycine transporter	Biofilm type	Intermediate	0.6469216	0.1125765	9.11E-09	2.01E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		membrane fusion protein multidrug efflux system	Vapor Type	Nicotine free	5.1787679	0.90173303	9.29E-09	2.05E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multiple sugar transport system substrate binding protein	Vapor Type	Nicotine plus	3.15104472	0.55048222	1.04E-08	2.27E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		PTS system Fructose specific IIC component	Vapor Type	Nicotine free	3.25874202	0.56938592	1.05E-08	2.28E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		glucanate H symporter GntP family	Vapor Type	Nicotine plus	3.09066237	0.54011678	1.05E-08	2.29E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		xanthine permease	Vapor Type	Nicotine free	3.28920773	0.5771275	1.20E-08	2.61E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multidrug resistance protein MATE family	Vapor Type	Nicotine free	2.75523837	0.48377639	1.48E-08	2.67E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		iron complex transport system substrate binding protein	Vapor Type	Nicotine plus	2.34035676	0.41200311	1.34E-08	2.90E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putrescine transport system substrate binding protein	Vapor Type	Nicotine free	3.95023255	0.69824747	1.54E-08	3.29E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		proton glutamate symport protein	Vapor Type	Nicotine plus	3.12751355	0.55474129	1.55E-08	3.32E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		solute carrier family 10 sodium bile acid cotransporter member 1	Biofilm type	Intermediate	2.9239028	0.5208446	1.98E-08	4.19E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative ABC transport system permease protein	Vapor Type	Nicotine plus	2.14450297	0.38267705	2.10E-08	4.41E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		cystine transport system substrate binding protein	Vapor Type	Nicotine plus	3.015416	0.53827387	2.12E-08	4.46E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		solute carrier family 10 sodium bile acid cotransporter member 1	Vapor Type	Nicotine free	3.18130427	0.56924066	2.29E-08	4.80E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter DHA1 family multidrug resistance protein	Vapor Type	Nicotine free	3.11629108	0.55811047	2.36E-08	4.94E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		Na H antiporter NhaC family	Vapor Type	Nicotine plus	3.23617054	0.58138907	2.60E-08	5.43E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative hemolysin transport system permease protein	Vapor Type	Nicotine plus	2.37843264	0.42832152	2.81E-08	5.84E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative glutamine transport system substrate binding protein	Biofilm type	Intermediate	0.5690677	0.10277129	3.07E-08	6.36E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		ferrous iron transport protein A	Vapor Type	Nicotine plus	3.0959308	0.55913305	3.08E-08	6.37E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multiple antibiotic resistance protein	Vapor Type	Nicotine plus	1.84118352	0.33448636	3.70E-08	7.60E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	arabinogalactan oligomer maltotoligosaccharide transporter	Vapor Type	Nicotine plus	3.25681498	0.59236069	3.84E-08	7.87E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		ceramide glucosyltransferase EC 2.4.1.80	Vapor Type	Nicotine plus	2.89549506	0.5270261	3.93E-08	8.04E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		manganese zinc transport system permease protein	Vapor Type	Nicotine free	5.89556091	1.07665705	4.36E-08	8.87E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		iron uptake system component EfeO	Vapor Type	Nicotine free	3.04708572	0.55782783	4.70E-08	9.54E-07
Environmental Information Processing Membrane Transporters	ko02000	Transporters		manganese zinc transport system ATP binding protein EC 3.6.3.3	Vapor Type	Nicotine free	5.4271909	1.00313531	6.29E-08	1.26E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		arsenic pump membrane protein	Vapor Type	Nicotine plus	2.32082557	0.43070374	7.11E-08	1.42E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		PTS system mannose specific IIA component EC 2.7.1.191	Biofilm type	Pathogen-rich	0.45356504	0.04802939	7.46E-08	1.49E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		0 methionine transport system permease protein	Vapor Type	Nicotine plus	2.81501612	0.52534631	8.39E-08	1.67E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		semipermeable putrescine transport system ATP binding protein	Biofilm type	Intermediate	0.238974	0.04501614	1.10E-07	2.16E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative ABC transport system permease protein	Vapor Type	Nicotine free	3.16756637	0.5997065	1.28E-07	2.47E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	outer membrane receptor for ferric coprogen and ferric rhodanese	Vapor Type	Nicotine free	3.13402739	0.59368224	1.30E-07	2.51E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		biopolymer transport protein ExbD	Vapor Type	Nicotine free	3.22138999	0.6124423	1.44E-07	2.76E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		hemoglobin transferrin lactoferrin receptor protein	Vapor Type	Nicotine plus	2.9853146	0.56911303	1.56E-07	2.98E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		nicotinate mononucleotide transporter	Vapor Type	Nicotine free	3.0682496	0.58556595	1.61E-07	3.07E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		bacterial archaeal transporter family 2 protein	Vapor Type	Nicotine plus	2.2254374	0.4250957	1.65E-07	3.15E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter ACS family glucarate transporter	Vapor Type	Nicotine plus	2.38653965	0.45850284	1.94E-07	3.67E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		small conductance mechanosensitive channel	Vapor Type	Nicotine plus	2.65784301	0.51198332	2.09E-07	3.94E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative ABC transport system substrate binding protein	Vapor Type	Nicotine plus	2.88227638	0.55810328	2.41E-07	4.52E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	glucose mannose transport system permease protein	Biofilm type	Intermediate	2.3456593	0.4566842	2.80E-07	5.22E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	arabinogalactan oligomer maltotoligosaccharide transporter	Vapor Type	Nicotine plus	2.63124474	0.51401818	3.07E-07	5.68E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		polar amino acid transport system substrate binding protein	Vapor Type	Nicotine free	3.49918588	0.68767093	3.61E-07	6.63E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		moderate conductance mechanosensitive channel	Vapor Type	Nicotine plus	1.95431461	0.38514121	3.89E-07	7.12E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multicomponent Na H antiporter subunit F	Vapor Type	Nicotine free	6.53941678	1.2931352	4.26E-07	7.75E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative ribose uptake protein	Vapor Type	Nicotine plus	2.83948759	0.56150689	4.26E-07	7.75E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		peptide nickel transport system substrate binding protein	Vapor Type	Nicotine plus	2.29132002	0.43539291	4.38E-07	7.95E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter OPA family glycerol 3 phosphate transporter	Biofilm type	Intermediate	0.2907806	0.05763997	4.54E-07	8.23E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		zinc transporter ZIP family	Vapor Type	Nicotine plus	2.46863478	0.48079933	4.91E-07	8.88E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multicomponent Na H antiporter subunit G	Biofilm type	Pathogen-rich	0.48784803	0.10727888	5.43E-07	8.74E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putrescine transport system substrate binding protein	Vapor Type	Nicotine plus	3.51432333	0.70046651	5.25E-07	9.47E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multiple sugar transport system ATP-binding protein	Vapor Type	Nicotine plus	2.71381825	0.54159115	5.42E-07	9.76E-06
Environmental Information Processing Membrane Transporters	ko02000	Transporters		aquaporin Z	Vapor Type	Nicotine free	2.58685511	0.51721661	5.69E-07	1.02E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		ATP binding cassette subfamily B bacterial	Vapor Type	Nicotine free	3.02464604	0.60539251	5.85E-07	1.05E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		fluoride exporter	Vapor Type	Nicotine plus	1.9365037	0.38952572	6.65E-07	1.18E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		maltoose maltotoligosaccharide transporter	Vapor Type	Nicotine plus	4.78325548	0.96423719	7.03E-07	1.25E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		glucose mannose transport system permease protein	Biofilm type	Pathogen-rich	1.6956736	0.34296076	7.64E-07	1.35E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter DHA2 family multidrug resistance protein	Vapor Type	Nicotine free	3.50573751	0.71103954	8.20E-07	1.45E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		ABC 2 type transport system ATP binding protein	Vapor Type	Nicotine free	3.26308463	0.66184502	8.21E-07	1.45E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		holin like protein	Vapor Type	Nicotine free	4.28935189	0.87435996	9.31E-07	1.63E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		glycine betaine transporter	Vapor Type	Nicotine free	7.21635782	1.47456797	9.89E-07	1.73E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		manganese zinc iron transport system ATP binding protein	Vapor Type	Nicotine plus	2.69997055	0.55192708	9.99E-07	1.75E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		manganese zinc transport system permease protein	Vapor Type	Nicotine free	3.01139676	0.61989274	1.19E-06	2.06E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	translocation and assembly module TamA	Biofilm type	Pathogen-rich	3.09282262	0.63819129	1.26E-06	2.18E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		phosphate Na symporter	Vapor Type	Nicotine free	2.77846442	0.57517153	1.36E-06	2.35E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		membrane fusion protein multidrug efflux system	Vapor Type	Nicotine plus	4.36785529	0.90427668	1.36E-06	2.35E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		cystine transport system ATP binding protein EC 3.6.3.3	Vapor Type	Nicotine plus	3.26004766	0.6728236	1.48E-06	2.55E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative aldouronate transport system permease protein	Vapor Type	Nicotine plus	2.76049202	0.57690861	1.71E-06	2.92E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		D methionine transport system substrate binding protein	Vapor Type	Nicotine plus	2.56967886	0.45373979	1.84E-06	2.95E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		uracil nucleoside transport protein	Biofilm type	Pathogen-rich	0.48784803	0.10727888	5.43E-06	8.74E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		cystine transport system permease protein	Vapor Type	Nicotine plus	2.80205924	0.58950483	1.92E-06	3.26E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		outer membrane receptor for ferric coprogen and ferric rhodanese	Vapor Type	Nicotine plus	2.83033165	0.59553066	2.01E-06	3.40E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		magnesium transporter	Vapor Type	Nicotine free	2.80688147	0.59273898	2.19E-06	3.68E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		OmpA OmpF porin OOP family	Vapor Type	Nicotine plus	3.27363092	0.69329105	2.34E-06	3.92E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter DHA2 family methylmenomycin A resistance	Vapor Type	Nicotine free	2.76024208	0.58513786	2.39E-06	4.01E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		PTS system mannose specific IIB component EC 2.7.1.191	Vapor Type	Nicotine free	2.78316618	0.5913386	2.52E-06	4.21E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter putative metabolite H symporter	Vapor Type	Nicotine free	3.24683355	0.69017513	2.55E-06	4.25E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		bactracin transport system ATP binding protein	Vapor Type	Nicotine plus	3.27318865	0.69947072	2.88E-06	4.77E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		fructooligosaccharide transport system substrate binding protein	Vapor Type	Nicotine plus	2.42371612	0.5181302	2.90E-06	4.81E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	inner membrane transporter RHA	Biofilm type	Pathogen-rich	2.0036984	0.42867709	2.95E-06	4.89E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	high affinity iron transporter	Vapor Type	Nicotine free	2.90087504	0.62111055	3.01E-06	4.97E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters	core	iron complex transport system permease protein	Vapor Type	Nicotine plus	1.98522517	0.42604838	3.17E-06	5.23E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter NNP family putative nitrate transporter	Biofilm type	Pathogen-rich	0.48965428	0.10533997	3.35E-06	5.50E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		glycerol uptake facilitator protein	Vapor Type	Nicotine free	2.85999149	0.61584217	3.42E-06	5.61E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multicomponent Na H antiporter subunit G	Vapor Type	Nicotine free	7.11631355	1.53496183	3.55E-06	5.82E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		inner membrane transporter RHA	Biofilm type	Intermediate	2.6041825	0.56292888	3.73E-06	6.09E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		MFS transporter DHA2 family multidrug resistance protein	Biofilm type	Pathogen-rich	0.43138959	0.0932002	3.79E-06	6.18E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multicomponent Na H antiporter subunit B	Biofilm type	Pathogen-rich	0.51286979	0.11106955	3.88E-06	6.33E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		biopolymer transport protein ExbD	Vapor Type	Nicotine plus	2.7383508	0.61389893	5.08E-06	8.22E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		purine nucleoside transport protein	Biofilm type	Pathogen-rich	0.48784803	0.10727888	5.43E-06	8.74E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		inner membrane transporter RHA	Vapor Type	Nicotine free	2.90947963	0.64067844	5.59E-06	9.00E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative lysine transport system ATP binding protein EC 3.6.3.3	Vapor Type	Nicotine plus	2.50012811	0.55155297	5.82E-06	9.34E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative aldouronate transport system substrate binding protein	Vapor Type	Nicotine plus	2.74568754	0.60634517	5.95E-06	9.54E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		putative ABC transport system ATP binding protein	Vapor Type	Nicotine plus	2.51931161	0.56537006	5.95E-06	9.54E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		solute carrier family 23 nucleobase transporter member 1	Vapor Type	Nicotine plus	5.17810792	1.14467472	6.08E-06	9.73E-05
Environmental Information Processing Membrane Transporters	ko02000	Transporters		thiamine transporter	Biofilm type	Intermediate	0.4900991	0.10887475	6.75E-06	0.00010748
Environmental Information Processing Membrane Transporters	ko02000	Transporters		fructooligosaccharide transport system permease protein	Vapor Type	Nicotine plus	3.47070253	0.77120703	6.78E-06	0.000107996
Environmental Information Processing Membrane Transporters	ko02000	Transporters		glucose uptake protein	Vapor Type	Nicotine plus	3.88304047	0.86283094	6.78E-06	0.000107996
Environmental Information Processing Membrane Transporters	ko02000	Transporters		multicomponent Na H antiporter subunit F	Biofilm type	Pathogen-rich	0.51108582	0.11381813	7.11E-06	0

Environmental Information Processing Membrane t	k002000	Transporters	cell volume regulation protein A	Vapor Type	Nicotine free	2.69933053	0.63120349	1.90E-05	0.00028667
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter MHS family alpha etoglutarate permease	Vapor Type	Nicotine free	2.9201891	0.6846059	1.99E-05	0.000300287
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter DHA1 family quinolone resistance protein	Vapor Type	Nicotine plus	4.11138518	0.96694089	2.12E-05	0.000318065
Environmental Information Processing Membrane t	k002000	Transporters	D methionine transport system ATP binding protein	Vapor Type	Nicotine plus	2.21050077	0.52460931	2.51E-05	0.000374357
Environmental Information Processing Membrane t	k002000	Transporters	tr system potassium uptake protein	Vapor Type	Nicotine plus	2.18114789	0.51863073	2.60E-05	0.000387133
Environmental Information Processing Membrane t	k002000	Transporters	multicomponent Na H antiporter subunit E	Vapor Type	Nicotine plus	4.070035	0.97341519	2.90E-05	0.000430034
Environmental Information Processing Membrane t	k002000	Transporters	manganese zinc transport system substrate binding protein	Vapor Type	Nicotine plus	4.43493396	1.06073465	2.90E-05	0.000430272
Environmental Information Processing Membrane t	k002000	Transporters	bacterial archaeal transporter family 2 protein	Biofilm type	Pathogen-rich	0.47541665	0.11406113	3.07E-05	0.000453621
Environmental Information Processing Membrane t	k002000	Transporters	thiamine transporter	Biofilm type	Pathogen-rich	0.4476374	0.10795409	3.33E-05	0.000458801
Environmental Information Processing Membrane t	k002000	Transporters	energy coupling factor transport system substrate specific c	Vapor Type	Nicotine plus	2.38611813	0.55653448	3.98E-05	0.000583341
Environmental Information Processing Membrane t	k002000	Transporters	urea transporter	Vapor Type	Nicotine free	2.95904893	0.72329058	4.29E-05	0.000624025
Environmental Information Processing Membrane t	k002000	Transporters	manganese iron transport system permease protein	Biofilm type	Pathogen-rich	7.13269978	1.7522258	4.69E-05	0.000677703
Environmental Information Processing Membrane t	k002000	Transporters	dipeptide transport system substrate binding protein	Vapor Type	Nicotine free	2.58078132	0.63435817	4.73E-05	0.000683724
Environmental Information Processing Membrane t	k002000	Transporters	multicomponent Na H antiporter subunit B	Vapor Type	Nicotine plus	2.48788257	0.61184682	4.78E-05	0.000689692
Environmental Information Processing Membrane t	k002000	Transporters	vitamin B12 bleomycin antimicrobial peptide transport syst	Vapor Type	Nicotine plus	3.49256174	0.86352123	5.24E-05	0.000753496
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter DHA1 family multidrug resistance protein	Vapor Type	Nicotine plus	2.92928765	0.72438489	5.26E-05	0.000755645
Environmental Information Processing Membrane t	k002000	Transporters	long chain fatty acid transport protein	Vapor Type	Nicotine plus	2.31347627	0.57251257	5.32E-05	0.000764465
Environmental Information Processing Membrane t	k002000	Transporters	maltese multooligosaccharide transporter	Vapor Type	Nicotine plus	2.4353205	0.60431133	5.58E-05	0.000799223
Environmental Information Processing Membrane t	k002000	Transporters	putrescine transport system permease protein	Biofilm type	Pathogen-rich	1.43878246	0.35738741	5.68E-05	0.00081167
Environmental Information Processing Membrane t	k002000	Transporters	putrescine transport system permease protein	Vapor Type	Nicotine free	3.25040039	0.80928825	5.91E-05	0.000841331
Environmental Information Processing Membrane t	k002000	Transporters	macrolide transport system ATP binding permease protein	Biofilm type	Intermediate	-2.4829411	0.61915077	6.07E-05	0.000846561
Environmental Information Processing Membrane t	k002000	Transporters	energy coupling factor transport system substrate specific c	Vapor Type	Nicotine free	2.57445441	0.64364172	6.34E-05	0.000900215
Environmental Information Processing Membrane t	k002000	Transporters	multiple antibiotic resistance protein	Biofilm type	Pathogen-rich	0.7156772	0.18052127	7.35E-05	0.001036215
Environmental Information Processing Membrane t	k002000	Transporters	multidrug efflux pump	Vapor Type	Nicotine free	1.77878751	0.44960758	7.61E-05	0.001071816
Environmental Information Processing Membrane t	k002000	Transporters	multidrug resistance protein MATE family	Vapor Type	Nicotine plus	1.90894241	0.48449087	8.14E-05	0.001142368
Environmental Information Processing Membrane t	k002000	Transporters	spermidine putrescine transport system permease protein	Vapor Type	Nicotine plus	1.81461685	0.46113232	8.32E-05	0.001164718
Environmental Information Processing Membrane t	k002000	Transporters	putative ABC transport system ATP binding protein	Biofilm type	Pathogen-rich	-2.9677507	0.75652216	8.75E-05	0.001220753
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter NNP family putative nitrate transporter	Vapor Type	Nicotine plus	3.95854839	1.01323334	9.35E-05	0.001298541
Environmental Information Processing Membrane t	k002000	Transporters	holin like protein	Vapor Type	Nicotine plus	1.70795809	0.37956822	9.33E-05	0.001321927
Environmental Information Processing Membrane t	k002000	Transporters	putative ABC transport system ATP binding protein	Vapor Type	Nicotine free	2.82231009	0.74346378	0.00010586	0.001461523
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter CP family cyanate transporter	Vapor Type	Nicotine free	2.50061735	0.64511027	0.00010607	0.001463876
Environmental Information Processing Membrane t	k002000	Transporters	multicomponent Na H antiporter subunit C	Vapor Type	Nicotine plus	4.13826571	1.06807849	0.00010685	0.001473398
Environmental Information Processing Membrane t	k002000	Transporters	cytochrome c type biogenesis protein	Vapor Type	Nicotine free	2.76942639	0.7163899	0.00011072	0.001525269
Environmental Information Processing Membrane t	k002000	Transporters	putative ABC transport system permease protein	Vapor Type	Nicotine free	2.94483082	0.76228675	0.00011193	0.00154066
Environmental Information Processing Membrane t	k002000	Transporters	polar amino acid transport system substrate binding protein	Vapor Type	Nicotine plus	2.65530024	0.68786355	0.00011329	0.001558206
Environmental Information Processing Membrane t	k002000	Transporters	purine nucleoside transport protein	Vapor Type	Nicotine free	7.46230977	1.93885819	0.00011869	0.001627885
Environmental Information Processing Membrane t	k002000	Transporters	putative glutamine transport system substrate binding prot	Biofilm type	Pathogen-rich	-0.3716129	0.09671565	0.00012187	0.001669846
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter PAT family beta lactamase induction sign	Vapor Type	Nicotine free	2.37304984	0.61788361	0.00012273	0.00168026
Environmental Information Processing Membrane t	k002000	Transporters	thiamine transport system permease protein	Vapor Type	Nicotine free	2.63443289	0.68643761	0.00012412	0.00169179
Environmental Information Processing Membrane t	k002000	Transporters	energy coupling factor transport system substrate specific c	Biofilm type	Pathogen-rich	-2.2494908	0.58628879	0.00012463	0.001703692
Environmental Information Processing Membrane t	k002000	Transporters	macrolide transport system ATP binding permease protein	Vapor Type	Nicotine free	2.52863087	0.59658346	0.00012654	0.001727995
Environmental Information Processing Membrane t	k002000	Transporters	putative ABC transport system permease protein	Vapor Type	Nicotine plus	2.29364904	0.60026381	0.00013287	0.001809868
Environmental Information Processing Membrane t	k002000	Transporters	xanthine permease XanP	Vapor Type	Nicotine plus	2.77544647	0.73373598	0.00015518	0.002099579
Environmental Information Processing Membrane t	k002000	Transporters	iron uptake system component EfeO	Vapor Type	Nicotine plus	2.1090841	0.55891478	0.00016104	0.002172394
Environmental Information Processing Membrane t	k002000	Transporters	outer membrane protein multidrug efflux system	Vapor Type	Nicotine free	3.07356996	0.81522265	0.0001631	0.002198011
Environmental Information Processing Membrane t	k002000	Transporters	branched chain amino acid transport system permease prot	Vapor Type	Nicotine plus	1.63676143	0.43504325	0.00016836	0.00226715
Environmental Information Processing Membrane t	k002000	Transporters	copper resistance protein C	Vapor Type	Nicotine free	4.51398228	1.2009374	0.00017079	0.002298681
Environmental Information Processing Membrane t	k002000	Transporters	peptide nicel transport system permease protein	Vapor Type	Nicotine free	2.50356589	0.67920863	0.00022768	0.003011189
Environmental Information Processing Membrane t	k002000	Transporters	polar amino acid transport system permease protein	Vapor Type	Nicotine free	2.89686853	0.79556822	0.00024803	0.00325727
Environmental Information Processing Membrane t	k002000	Transporters	macrolide transport system ATP binding permease protein	Biofilm type	Pathogen-rich	-1.4375909	0.39243182	0.00024831	0.003267282
Environmental Information Processing Membrane t	k002000	Transporters	outer membrane protein assembly factor BamD	Vapor Type	Nicotine free	2.79170246	0.76270379	0.00025195	0.003314062
Environmental Information Processing Membrane t	k002000	Transporters	catecholase siderophore receptor	Vapor Type	Nicotine free	2.01879398	0.55623939	0.00028451	0.003712556
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter UMF1 family	Vapor Type	Nicotine plus	1.41125677	0.39013092	0.00029759	0.003880842
Environmental Information Processing Membrane t	k002000	Transporters	small multidrug resistance family 3 protein	Vapor Type	Nicotine free	3.80358514	1.05343697	0.00030544	0.003979359
Environmental Information Processing Membrane t	k002000	Transporters	putrescine transport system permease protein	Vapor Type	Nicotine free	3.22066116	0.89214181	0.00030695	0.003998115
Environmental Information Processing Membrane t	k002000	Transporters	putative Mg2 transporter C MgtC family protein	Biofilm type	Intermediate	-1.8218598	0.50591734	0.00031687	0.004119254
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter putative metalloibidite transport protein	Vapor Type	Nicotine free	2.36505234	0.66544327	0.00037927	0.00487343
Environmental Information Processing Membrane t	k002000	Transporters	lipopolysaccharide export system protein LptA	Vapor Type	Nicotine free	3.85094093	1.09396505	0.00043133	0.005491974
Environmental Information Processing Membrane t	k002000	Transporters	outer membrane protein multidrug efflux system	Vapor Type	Nicotine plus	2.87517048	0.817785	0.00043843	0.005575688
Environmental Information Processing Membrane t	k002000	Transporters	putative glutamine transport system permease protein	Vapor Type	Nicotine free	2.27024498	0.6458842	0.00043985	0.005590358
Environmental Information Processing Membrane t	k002000	Transporters	vitamin B12 bleomycin antimicrobial peptide transport syst	Biofilm type	Pathogen-rich	2.1187282	0.6030295	0.00044229	0.005618126
Environmental Information Processing Membrane t	k002000	Transporters	dipeptide transport system substrate binding protein	Vapor Type	Nicotine plus	2.16588991	0.61736102	0.00045095	0.005718996
Environmental Information Processing Membrane t	k002000	Transporters	nicotinamide mononucleotide transporter	Vapor Type	Nicotine plus	2.04743876	0.5862304	0.00047843	0.00620841
Environmental Information Processing Membrane t	k002000	Transporters	glycine betaine transporter	Vapor Type	Nicotine plus	5.15578878	1.47822488	0.00048697	0.006133057
Environmental Information Processing Membrane t	k002000	Transporters	thiamine transport system permease protein	Vapor Type	Nicotine plus	2.40419152	0.68970665	0.00049064	0.006173416
Environmental Information Processing Membrane t	k002000	Transporters	macrolide transport system ATP binding permease protein	Vapor Type	Nicotine plus	2.29179606	0.66322499	0.00054921	0.006844141
Environmental Information Processing Membrane t	k002000	Transporters	PTS system fructose specific IIC component	Vapor Type	Nicotine plus	1.96678822	0.56983687	0.0005579	0.006944393
Environmental Information Processing Membrane t	k002000	Transporters	membrane fusion protein multidrug efflux system	Vapor Type	Nicotine plus	2.51100926	0.7286021	0.00056824	0.007061525
Environmental Information Processing Membrane t	k002000	Transporters	solute carrier family 13 sodium dependent dicarboxylate tra	Vapor Type	Nicotine free	2.33407367	0.67740463	0.00056977	0.007072322
Environmental Information Processing Membrane t	k002000	Transporters	ATP binding cassette subfamily B multidrug efflux pump	Vapor Type	Nicotine free	2.61434466	0.75978501	0.0005976	0.007145863
Environmental Information Processing Membrane t	k002000	Transporters	thiamine transport system permease protein	Biofilm type	Pathogen-rich	2.1265893	0.62220978	0.00063129	0.007766547
Environmental Information Processing Membrane t	k002000	Transporters	ATP binding cassette subfamily C bacterial	Vapor Type	Nicotine free	2.55173514	0.74891172	0.00065619	0.008055006
Environmental Information Processing Membrane t	k002000	Transporters	xanthine permease	Vapor Type	Nicotine plus	1.96470096	0.57813283	0.00067792	0.008302641
Environmental Information Processing Membrane t	k002000	Transporters	manganese zinc transport system permease protein	Vapor Type	Nicotine plus	3.69350002	1.08847429	0.00069061	0.008442458
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter SHS family salic acid transporter	Vapor Type	Nicotine free	2.37820918	0.70137672	0.00069696	0.008514261
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter FHS family L fucose permease	Vapor Type	Nicotine free	2.11589884	0.62440097	0.00070228	0.00857539
Environmental Information Processing Membrane t	k002000	Transporters	spermidine putrescine transport system permease protein	Vapor Type	Nicotine plus	1.44112456	0.42537414	0.0007043	0.008598068
Environmental Information Processing Membrane t	k002000	Transporters	phosphate Na symporter	Vapor Type	Nicotine plus	1.95086463	0.57602291	0.00070717	0.008631136
Environmental Information Processing Membrane t	k002000	Transporters	MFS transporter PAT family beta lactamase induction sign	Vapor Type	Nicotine plus	2.0976615	0.62093604	0.00072955	0.008892089
Environmental Information Processing Membrane t	k002000	Transporters	spermidine putrescine transport system substrate binding p	Vapor Type	Nicotine free	2.28671873	0.76861302	0.00075252	0.009157288
Environmental Information Processing Membrane t	k002000	Transporters	energy coupling factor transport system substrate specific c	Vapor Type	Nicotine free	2.00144725	0.59765833	0.00081158	0.009833391
Environmental Information Processing Membrane t	k002000	Transporters	aquaporin Z	Vapor Type	Nicotine plus	1.73893307	0.51993827	0.00082431	0.009974075
Environmental Information Processing Membrane t	k002000	Transporters	L cystine transport system substrate binding protein	Vapor Type	Nicotine plus	-0.2629717	0.07871632	0.00083552	0.01009822
Environmental Information Processing Membrane t	k002000	Transporters	lipopolysaccharide export system protein LptA	Vapor Type	Nicotine plus	3.6396473	1.09625344	0.00089992	0.010815293
Environmental Information Processing Membrane t	k002000	Transporters	putrescine transport system ATP binding protein	Vapor Type	Nicotine free	3.08720405	0.9304952	0.00090727	0.010892246
Environmental Information Processing Membrane t	k002000	Transporters	putative spermidine putrescine transport system permease	Vapor Type	Nicotine free	1.54727895	0.46835616	0.00095439	0.011423559
Environmental Information Processing Membrane t	k002000	Transporters	energy coupling factor transport system substrate specific c	Biofilm type	Intermediate	-3.5150136	1.06526063	0.00096797	0.011578279
Environmental Information Processing Membrane t	k002000	Transporters	niacin transporter	Vapor Type	Nicotine free	2.15124234	0.65525413	0.00102685	0.012227673
Environmental Information Processing Membrane t	k002000	Transporters	manganese zinc transport system ATP binding protein EC 3	Vapor Type	Nicotine plus	3.33937205	1.01852943	0.00104316	0.012405484
Environmental Information Processing Membrane t	k002000	Transporters	outer membrane protein assembly factor BamC	Vapor Type	Nicotine free	2.61434466	0.75978501	0.00105961	0.01258685
Environmental Information Processing Membrane t	k002000	Transporters	ABC 2 type transport system ATP binding protein	Vapor Type	Nicotine plus	2.16588941	0.66194241	0.00106782	0.012673074
Environmental Information Processing Membrane t	k002000	Transporters	ATP binding cassette subfamily B bacterial	Vapor Type	Nicotine plus	1.9812946	0.60559888	0.0010893	0.012687848
Environmental Information Processing Membrane t	k002000	Transporters	modulator of FtsH protease	Vapor Type	Nicotine free	3.01526125	0.92307922	0.00108876	0.012893825
Environmental Information Processing Membrane t	k002000	Transporters	putrescine transport system permease protein	Vapor Type	Nicotine plus	2.66298024	0.81755092	0.00112425	0.013277865
Environmental Information Processing Membrane t	k002000	Transporters	bacterial archaeal transporter family protein EC 2 7 1 191	Vapor Type	Nicotine free	1.36363352	0.41958456	0.00115421	0.013607479
Environmental Information Processing Membrane t	k002000	Transporters	PTS system mannose specific IIA component EC 2 7 1 191	Biofilm type	Intermediate	-0.2590434	0.08027785	0.00125168	0.014659343
Environmental Information Processing Membrane t	k002000	Transporters	solute carrier family 13 sodium dependent dicarboxylate tra	Vapor Type	Nicotine plus	2.18891915	0.6798513	0.00128324	0.015012477
Environmental Information Processing Membrane t	k002000	Transporters	multicomponent Na H antiporter subunit G	Vapor Type	Nicotine plus	4.95442337	1.53973988	0.00129222	0.015114293
Environmental Information Processing Membrane t	k002000	Transporters	high affinity iron transporter	Vapor Type	Nicotine plus	1.99787886	0.62180854	0.00131335	0.015329578
Environmental Information Processing Membrane t	k002000	Transporters	putrescine transport system substrate binding protein	Biofilm type	Pathogen-rich	1.69738426	0.51331359	0.00140032	0.016271516

Environmental Information Processing Membrane trans	ko02000	Transporters		osmoprotectant transport system ATP binding protein	Vapor Type	Nicotine plus	1.89694866	0.60583921	0.00174147	0.019095979
Environmental Information Processing Membrane trans	ko02000	Transporters		putative Mg2 transporter C. MgTc family protein	Biofilm type	Pathogen-rich	-1.2545587	0.40070821	0.00174299	0.019919048
Environmental Information Processing Membrane trans	ko02000	Transporters		putrescine transport system permease protein	Vapor Type	Nicotine plus	2.79296802	0.89895924	0.00189066	0.021482257
Environmental Information Processing Membrane trans	ko02000	Transporters		multidrug efflux pump	Biofilm type	Pathogen-rich	1.37463885	0.44343477	0.00193535	0.021957304
Environmental Information Processing Membrane trans	ko02000	Transporters		MFS transporter DHAA2 family methylerythritol A resistance	Vapor Type	Nicotine plus	1.83604988	0.59308658	0.00196313	0.022253592
Environmental Information Processing Membrane trans	ko02000	Transporters		PTS hybrid protein	Biofilm type	Pathogen-rich	-2.0653468	0.66745257	0.0019723	0.022338462
Environmental Information Processing Membrane trans	ko02000	Transporters		PTS hybrid protein	Biofilm type	Intermediate	-2.0587787	0.66551146	0.00197791	0.022393732
Environmental Information Processing Membrane trans	ko02000	Transporters		membrane fusion protein peptide pheromone bacteriocin e	Vapor Type	Nicotine free	2.31989773	0.75152562	0.00202244	0.022867466
Environmental Information Processing Membrane trans	ko02000	Transporters		modulator of FtsI protease	Vapor Type	Nicotine plus	2.8496403	0.93581931	0.00202842	0.023520893
Environmental Information Processing Membrane trans	ko02000	Transporters		hemoglobin transferrin lactoferrin receptor protein	Biofilm type	Pathogen-rich	1.61167119	0.52392923	0.00209711	0.023655671
Environmental Information Processing Membrane trans	ko02000	Transporters		catecholale siderophore receptor	Vapor Type	Nicotine plus	1.72324487	0.56406402	0.00225421	0.025268376
Environmental Information Processing Membrane trans	ko02000	Transporters		uracil permease	Vapor Type	Nicotine plus	1.79338278	0.59031145	0.00228132	0.026868671
Environmental Information Processing Membrane trans	ko02000	Transporters		putative spermidine putrescine transport system ATP bindin	Vapor Type	Nicotine free	1.39399076	0.45983259	0.00243327	0.027127297
Environmental Information Processing Membrane trans	ko02000	Transporters		glutamine transport system ATP binding protein EC 3 6 3	Biofilm type	Pathogen-rich	-2.8410117	0.93937281	0.00249511	0.027701212
Environmental Information Processing Membrane trans	ko02000	Transporters		MFS transporter DHAA2 family multidrug resistance protein	Vapor Type	Nicotine plus	5.2542799	1.73819233	0.00250414	0.027829993
Environmental Information Processing Membrane trans	ko02000	Transporters		multidrug efflux pump	Vapor Type	Nicotine plus	1.37067959	0.45391483	0.00253038	0.0281009957
Environmental Information Processing Membrane trans	ko02000	Transporters		L cystine transport system permease protein	Vapor Type	Nicotine free	2.11167663	0.69991125	0.00255236	0.028342352
Environmental Information Processing Membrane trans	ko02000	Transporters		LPS assembly lipoprotein	Vapor Type	Nicotine free	2.67967107	0.89149583	0.00264871	0.029363234
Environmental Information Processing Membrane trans	ko02000	Transporters		aromatic amino acid transport protein AroP	Vapor Type	Nicotine free	1.65351788	0.5523931	0.00275913	0.030492327
Environmental Information Processing Membrane trans	ko02000	Transporters		putative ABC transport system ATP binding protein	Biofilm type	Intermediate	-4.2918071	1.44005833	0.00287965	0.031712475
Environmental Information Processing Membrane trans	ko02000	Transporters		MFS transporter OPA family oxalate formate antiporter	Vapor Type	Nicotine free	1.85609223	0.6243589	0.002951	0.032431147
Environmental Information Processing Membrane trans	ko02000	Transporters		manganese iron transport system permease protein	Biofilm type	Intermediate	-4.2799179	1.44016604	0.00296038	0.032514138
Environmental Information Processing Membrane trans	ko02000	Transporters		peptide nicot transport system permease protein	Biofilm type	Intermediate	-1.9947436	0.67795966	0.00324153	0.03397916
Environmental Information Processing Membrane trans	ko02000	Transporters		thiamine transport system substrate binding protein	Vapor Type	Nicotine free	2.80885496	0.95857716	0.00338707	0.036836222
Environmental Information Processing Membrane trans	ko02000	Transporters	core	small multidrug resistance family 3 protein	Vapor Type	Nicotine plus	3.11759591	1.0641579	0.00339359	0.036899641
Environmental Information Processing Membrane trans	ko02000	Transporters		MFS transporter DHAA1 family L arabinose isopropyl beta D	Vapor Type	Nicotine free	2.46283366	0.84130759	0.00341822	0.037114516
Environmental Information Processing Membrane trans	ko02000	Transporters		glucose mannose transport system permease protein	Biofilm type	Intermediate	-2.4344797	0.83401968	0.00351188	0.038051483
Environmental Information Processing Membrane trans	ko02000	Transporters		L cystine transport system substrate binding protein	Biofilm type	Pathogen-rich	0.16561414	0.05684608	0.00357541	0.038632381
Environmental Information Processing Membrane trans	ko02000	Transporters		aromatic amino acid transport protein AroP	Vapor Type	Nicotine plus	1.61306215	0.54903431	0.00359717	0.038857234
Environmental Information Processing Membrane trans	ko02000	Transporters		putative ABC transport system ATP binding protein	Biofilm type	Intermediate	0.23912178	0.08283874	0.00389944	0.041853588
Environmental Information Processing Membrane trans	ko02000	Transporters		nicot transport system substrate binding protein	Biofilm type	Intermediate	-0.6199763	0.21555202	0.00402462	0.043058484
Environmental Information Processing Membrane trans	ko02000	Transporters		MFS transporter OPA family hexose phosphate transport p	Biofilm type	Intermediate	0.24296658	0.08467923	0.00411436	0.043842622
Environmental Information Processing Membrane trans	ko02000	Transporters		zinc manganese transport system substrate binding protein	Vapor Type	Nicotine free	5.80152842	2.02229989	0.00412062	0.043900351
Environmental Information Processing Membrane trans	ko02000	Transporters		cation acetate symporter	Vapor Type	Nicotine free	1.99084495	0.69403248	0.00412399	0.043927725
Environmental Information Processing Membrane trans	ko02000	Transporters	core	polymer transport protein ExbD	Biofilm type	Intermediate	-1.6819918	0.58977027	0.0043081	0.045981909
Environmental Information Processing Membrane trans	ko02000	Transporters		magnesium transporter	Biofilm type	Intermediate	-0.9209712	0.32291191	0.00434328	0.046006169
Environmental Information Processing Membrane trans	ko02000	Transporters		thiamine transport system substrate binding protein	Vapor Type	Nicotine plus	2.7364286	0.95999888	0.00436497	0.046208382
Environmental Information Processing Membrane trans	ko02000	Transporters		molybdate transport system ATP binding protein EC 3 6 3 2	Biofilm type	Intermediate	-0.5633962	0.19788738	0.00441258	0.046565988
Environmental Information Processing Membrane trans	ko02000	Transporters		glycerol uptake facilitator protein	Vapor Type	Nicotine plus	1.75382975	0.61660697	0.00445058	0.047002665
Environmental Information Processing Membrane trans	ko02000	Transporters		purine nucleoside transport protein	Vapor Type	Nicotine plus	5.51541472	1.94219784	0.00451446	0.047545465
Environmental Information Processing Membrane trans	ko02000	Transporters		putrescine transport system permease protein	Biofilm type	Pathogen-rich	1.7483437	0.61584115	0.00452619	0.047650135
Environmental Information Processing Membrane trans	ko02000	Transporters		PTS hybrid protein	Vapor Type	Nicotine free	1.47630379	0.52061644	0.00457276	0.048064872
Environmental Information Processing Membrane trans	ko02000	Transporters		peptide nicot transport system permease protein	Biofilm type	Intermediate	-0.7081703	0.25020243	0.00464914	0.048809519
Environmental Information Processing Membrane trans	ko02000	Transporters		outer membrane protein assembly factor BamC	Biofilm type	Pathogen-rich	1.90071837	0.67296511	0.00473702	0.049624652
Environmental Information Processing Signal trans	ko04066	HIF 1 signalling pathway		glyceraldehyde 3 phosphate dehydrogenase EC 1 2 1 12	Vapor Type	Nicotine free	3.55905657	0.8143392	1.05E-20	7.35E-19
Environmental Information Processing Signal trans	ko04066	HIF 1 signalling pathway		glyceraldehyde 3 phosphate dehydrogenase EC 1 2 1 12	Vapor Type	Nicotine plus	2.46003659	0.3822117	1.22E-10	3.20E-09
Environmental Information Processing Signal trans	ko04070	Phosphatidylinositol signaling system		diacylglycerol kinase ATP EC 2 7 1 107	Vapor Type	Nicotine plus	2.33964251	0.70509709	0.00090605	0.01088154
Environmental Information Processing Signal trans	ko04070	Phosphatidylinositol signaling system		diacylglycerol kinase ATP EC 2 7 1 107	Vapor Type	Nicotine free	2.11877894	0.71271447	0.00295908	0.032431147
Environmental Information Processing Signal trans	ko02022	Two component system	core	malate dehydrogenase oxaloacetate decarboxylating EC 1	Vapor Type	Nicotine free	5.62532624	0.48984568	1.30E-30	1.91E-28
Environmental Information Processing Signal trans	ko02022	Two component system	core	two component system OmpF family phosphate regulon 4	Vapor Type	Nicotine free	4.26043319	0.38403651	1.65E-28	0.38857234
Environmental Information Processing Signal trans	ko02022	Two component system	core	two component system OmpF family lantibiotic biosynthe	Vapor Type	Nicotine free	4.72457591	0.41583636	7.38E-26	7.27E-24
Environmental Information Processing Signal trans	ko02022	Two component system	core	two component system response regulator PtdA	Vapor Type	Nicotine free	3.50651783	0.32394903	2.64E-27	2.84E-25
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family sensor histidine inas	Vapor Type	Nicotine free	4.90349731	0.52343562	7.40E-21	5.21E-19
Environmental Information Processing Signal trans	ko02022	Two component system		malate dehydrogenase oxaloacetate decarboxylating EC 1	Vapor Type	Nicotine plus	4.17014167	0.49084194	1.96E-17	1.03E-15
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family lantibiotic biosynthe	Vapor Type	Nicotine free	4.15853314	0.50666948	2.26E-16	1.07E-14
Environmental Information Processing Signal trans	ko02022	Two component system		two component system response regulator PtdA	Vapor Type	Nicotine plus	2.68620679	0.32832632	2.80E-16	1.32E-14
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family lantibiotic biosynthe	Vapor Type	Nicotine plus	3.38287325	0.41745622	5.34E-16	2.47E-14
Environmental Information Processing Signal trans	ko02022	Two component system		nitrate reductase molybdenum cofactor assembly chaperon	Vapor Type	Nicotine free	5.55333281	0.68761656	6.68E-16	3.06E-14
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator	Vapor Type	Nicotine free	4.91587055	0.63667762	1.15E-14	4.64E-13
Environmental Information Processing Signal trans	ko02022	Two component system		citrate lyase subunit gamma acyl carrier protein	Vapor Type	Nicotine free	3.95063479	0.51328973	1.40E-14	5.58E-13
Environmental Information Processing Signal trans	ko02022	Two component system		citrate lyase subunit alpha citrate CoA transferase EC 2 8	Vapor Type	Nicotine free	3.09305626	0.41039235	4.82E-14	1.81E-12
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator I	Vapor Type	Nicotine free	3.17463403	0.44888405	1.52E-12	4.85E-11
Environmental Information Processing Signal trans	ko02022	Two component system		cationic antimicrobial peptide transport system permease p	Vapor Type	Nicotine free	6.67932709	0.94765398	1.81E-12	5.72E-11
Environmental Information Processing Signal trans	ko02022	Two component system		Ni Fe hydrogenase 1 B type cytochrome subunit	Vapor Type	Nicotine free	4.81971984	0.68686605	2.27E-12	7.08E-11
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family lantibiotic biosynthe	Vapor Type	Nicotine plus	3.51569143	0.5075263	4.30E-12	1.29E-10
Environmental Information Processing Signal trans	ko02022	Two component system		MFS transporter OPA family phosphoglycerate transporter	Vapor Type	Nicotine free	3.40806117	0.49309358	4.79E-12	1.44E-10
Environmental Information Processing Signal trans	ko02022	Two component system		citrate lyase subunit beta citryl CoA lyase EC 4 1 3 34	Vapor Type	Nicotine free	3.7137549	0.54964444	1.41E-11	4.05E-10
Environmental Information Processing Signal trans	ko02022	Two component system		two component system LytR family response regulator Ly	Vapor Type	Nicotine free	3.82165466	0.57021075	2.05E-11	5.81E-10
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator Ly	Vapor Type	Nicotine free	3.62534722	0.44887303	3.06E-11	8.51E-10
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family OP operon response	Vapor Type	Nicotine plus	6.68107686	0.57160371	3.23E-11	1.09E-09
Environmental Information Processing Signal trans	ko02022	Two component system		citrate lyase subunit alpha citrate CoA transferase EC 2 8	Vapor Type	Nicotine plus	2.62781514	0.41085138	1.59E-10	4.13E-09
Environmental Information Processing Signal trans	ko02022	Two component system		citrate lyase subunit gamma acyl carrier protein	Vapor Type	Nicotine plus	3.26067078	0.51566019	2.56E-10	6.49E-09
Environmental Information Processing Signal trans	ko02022	Two component system		bacitracin transport system permease protein	Vapor Type	Nicotine free	7.10069671	1.13906647	4.55E-10	1.13E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family phosphate regulon 4	Vapor Type	Nicotine plus	2.4735857	0.39775507	5.01E-10	1.24E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system NarL family response regulator Nr	Vapor Type	Nicotine free	5.51003313	0.83909192	6.85E-10	1.67E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator R	Vapor Type	Nicotine free	5.35609142	0.87067527	7.67E-10	1.87E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator C	Vapor Type	Nicotine free	3.41288988	0.56520433	1.56E-09	3.69E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family sensor histidine inas	Biofilm type	Pathogen-rich	-2.4628563	0.41269228	2.37E-09	5.53E-08
Environmental Information Processing Signal trans	ko02022	Two component system		citrate lyase subunit beta citryl CoA lyase EC 4 1 3 34	Vapor Type	Nicotine plus	3.72930642	0.55021241	2.52E-09	5.84E-08
Environmental Information Processing Signal trans	ko02022	Two component system		MFS transporter OPA family phosphoglycerate transporter	Vapor Type	Nicotine plus	2.92537132	0.49434261	2.89E-09	6.66E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family sensor inase Ih EC 2	Vapor Type	Nicotine free	2.83190764	0.47918119	3.42E-09	7.84E-08
Environmental Information Processing Signal trans	ko02022	Two component system		two component system NarL family secretion system sens	Vapor Type	Nicotine free	4.00876837	0.68301311	4.38E-09	9.90E-08
Environmental Information Processing Signal trans	ko02022	Two component system	core	carbon storage regulator	Biofilm type	Pathogen-rich	2.07822827	0.36253523	9.90E-09	2.17E-07
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator S	Vapor Type	Nicotine free	3.23954558	0.57241415	1.52E-08	3.26E-07
Environmental Information Processing Signal trans	ko02022	Two component system		methyl accepting chemotaxis protein	Vapor Type	Nicotine free	4.24107214	0.74919257	1.86E-08	3.95E-07
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator C	Vapor Type	Nicotine free	3.31810835	0.60454299	4.05E-08	8.27E-07
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator p	Vapor Type	Nicotine free	6.03492818	1.10293823	4.46E-08	9.07E-07
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family alaline phosphatase	Vapor Type	Nicotine free	6.26889104	1.16200328	6.29E-08	1.26E-06
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family sensor histidine inas	Biofilm type	Pathogen-rich	2.3258585	0.4342314	8.51E-08	1.69E-06
Environmental Information Processing Signal trans	ko02022	Two component system		nitrate reductase molybdenum cofactor assembly chaperon	Vapor Type	Nicotine plus	6.64670686	0.68956327	1.32E-07	2.99E-06
Environmental Information Processing Signal trans	ko02022	Two component system		Ni Fe hydrogenase 1 B type cytochrome subunit	Vapor Type	Nicotine plus	3.63751387	0.68935912	1.32E-07	2.54E-06
Environmental Information Processing Signal trans	ko02022	Two component system		cationic antimicrobial peptide transport system ATP binding	Vapor Type	Nicotine free	6.33743292	1.20186552	1.34E-07	2.59E-06
Environmental Information Processing Signal trans	ko02022	Two component system		two component system response regulator YesN	Vapor Type	Nicotine free	3.19351527	0.60779674	1.49E-07	2.84E-06
Environmental Information Processing Signal trans	ko02022	Two component system		holin Ie protein LrgB	Vapor Type	Nicotine free	5.61261096	1.07324978	1.70E-07	3.24E-06
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator	Vapor Type	Nicotine plus	3.32154741	0.64405571	2.51E-07	4.69E-06
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family sensor histidine inas	Vapor Type	Nicotine free	3.3885805	0.66071706	2.92E-07	5.42E-06
Environmental Information Processing Signal trans	ko02022	Two component system		two component system OmpF family response regulator A	Vapor Type	Nicotine free				

Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family sensor histidine kinase	Biofilm type	Pathogen-rich	0.4728644	0.1117126	2.31E-05	0.000345044
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Pathogen-rich	-2.4159044	0.57940157	3.05E-05	0.000451011
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	bactracin transport system permease protein	Vapor Type	Nicotine plus	4.76660558	1.14328283	3.06E-05	0.000451675
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family response regulator NarX	Intermediate	Pathogen-rich	-1.1688914	0.2859872	4.37E-05	0.00063899
Environmental Information Processing Signal transduction	ko02022	Two component system	core	two component system OmpF family sensor histidine kinase	Biofilm type	Intermediate	-4.0584079	0.99387227	4.44E-05	0.000643045
Environmental Information Processing Signal transduction	ko02022	Two component system	core	two component system NarL family response regulator NarX	Vapor Type	Nicotine free	6.39531674	1.58393693	5.40E-05	0.00074493
Environmental Information Processing Signal transduction	ko02020	Two component system	core	two component system NarL family response regulator NarX	Vapor Type	Nicotine free	2.76235591	0.68552465	5.59E-05	0.00080176
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family sensor histidine kinase	Vapor Type	Nicotine plus	2.13781223	0.53164932	5.90E-05	0.00082923
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Pathogen-rich	-2.771546	0.69395973	6.21E-05	0.00084765
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	LyfTR family response regulator NarX	Vapor Type	Nicotine plus	2.78116521	0.70870088	8.70E-05	0.001214801
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	LyfTR family response regulator NarX	Vapor Type	Nicotine plus	2.37475561	0.6058479	8.87E-05	0.00126236
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	NarL family vancomycin resistance	Vapor Type	Nicotine free	6.8867418	1.77643601	0.00010587	0.001461523
Environmental Information Processing Signal transduction	ko02020	Two component system	core	carbon storage regulator	Vapor Type	Nicotine free	4.78227593	1.23851525	0.00010623	0.001465724
Environmental Information Processing Signal transduction	ko02022	Two component system	core	two component system NarL family alaline phosphatase	Vapor Type	Nicotine plus	4.44208169	1.16773666	0.00014237	0.001934786
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Vapor Type	Nicotine plus	3.3349158	0.88396184	0.0001615	0.002176903
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Pathogen-rich	-1.2741068	0.3402695	0.00018082	0.002427593
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	NarL family vancomycin resistance	Biofilm type	Pathogen-rich	0.47818322	0.12814893	0.00019037	0.002546797
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Pathogen-rich	0.45749687	0.12281031	0.00019514	0.002606635
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	NarL family response regulator NarX	Vapor Type	Nicotine plus	3.34481858	0.90687084	0.00022575	0.00298789
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family sensor inase Ih EC2	Vapor Type	Nicotine plus	1.779582	0.4869903	0.00022574	0.003387014
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	cationic antimicrobial peptide transport system ATP binding	Vapor Type	Nicotine plus	4.31955195	1.2085573	0.00035138	0.004538004
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	nitrogen regulatory protein A	Biofilm type	Pathogen-rich	0.66451177	0.18661317	0.00036958	0.004759741
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family response regulator NarX	Vapor Type	Nicotine free	6.88584079	1.93929099	0.00038421	0.004932071
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family sensor histidine kinase	Vapor Type	Nicotine plus	5.20946558	1.46921708	0.00039151	0.005019732
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	response regulator YesN	Vapor Type	Nicotine plus	2.15577232	0.60861818	0.00039699	0.005082691
Environmental Information Processing Signal transduction	ko02020	Two component system	core	two component system OmpF family response regulator NarX	Vapor Type	Nicotine plus	3.89043117	1.11281478	0.00047224	0.005957419
Environmental Information Processing Signal transduction	ko02020	Two component system	core	two component system NarL family response regulator NarX	Vapor Type	Nicotine free	2.74914253	0.64661924	0.00050458	0.006331004
Environmental Information Processing Signal transduction	ko02020	Two component system	core	CRP FNR family transcriptional regulator cyclic AMP receptor	Vapor Type	Nicotine free	2.9578653	0.8326937	0.00050705	0.006358946
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	inase associated protein B	Vapor Type	Nicotine free	5.50094463	1.85854547	0.00052283	0.006358381
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Vapor Type	Nicotine free	2.29805844	0.67574454	0.00067194	0.008233146
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Intermediate	-3.7909766	1.116331	0.00068397	0.008369049
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family sensor histidine kinase	Vapor Type	Nicotine plus	4.64630496	1.37714947	0.00074123	0.009028199
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	LyfTR family sensor histidine kinase	Biofilm type	Pathogen-rich	1.95114533	0.58289495	0.00076685	0.009318936
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	holin I protein LrgB	Vapor Type	Nicotine plus	3.60282829	1.08579125	0.00080596	0.01088154
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family sensor histidine kinase	Biofilm type	Pathogen-rich	0.30034804	0.09257176	0.00102965	0.012255563
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	NarL family response regulator NarX	Biofilm type	Pathogen-rich	-2.3075909	0.70412216	0.0010482	0.012462458
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	NarL family secretion system response	Vapor Type	Nicotine plus	2.75714915	0.84166797	0.00105357	0.01252354
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	NarL family response regulator NarX	Biofilm type	Pathogen-rich	0.46734519	0.14371905	0.00114678	0.013525896
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family sensor histidine kinase	Biofilm type	Nicotine plus	2.14240813	0.66142008	0.00119906	0.014101987
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	membrane protein involved in D alanine export	Vapor Type	Nicotine plus	2.30360912	0.71318887	0.00123785	0.014506947
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Vapor Type	Nicotine plus	1.8563369	0.57553137	0.00125783	0.014724953
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Pathogen-rich	0.42932669	0.13357172	0.0013807	0.015278872
Environmental Information Processing Signal transduction	ko02020	Two component system	core	competence factor transport accessory protein ComB	Vapor Type	Nicotine plus	2.09851098	0.65817623	0.00134076	0.016599942
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	NarL family response regulator NarX	Vapor Type	Nicotine free	2.78395196	0.87848289	0.00152941	0.017671371
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family phosphate regulator NarX	Biofilm type	Pathogen-rich	0.30029233	0.09634302	0.00182755	0.020814407
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	NarL family response regulator NarX	Biofilm type	Pathogen-rich	0.40222486	0.12948374	0.00189397	0.021505182
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family response regulator NarX	Biofilm type	Intermediate	-4.1211364	1.32805471	0.00191481	0.021733483
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	OmpF family sensor inase Ih EC2	Biofilm type	Intermediate	1.4000247	0.4523932	0.00197004	0.023232952
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	response regulator NarX	Vapor Type	Intermediate	0.6797173	0.11964313	0.00217049	0.023232952
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	OmpF family phosphate regulator NarX	Biofilm type	Intermediate	0.3464359	0.11344992	0.00226079	0.025336797
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	chromosomal replication initiator protein	Vapor Type	Nicotine plus	1.93909549	0.64086135	0.00248005	0.02758365
Environmental Information Processing Signal transduction	ko02020	Two component system	core	two component system OmpF family response regulator NarX	Biofilm type	Nicotine free	1.98226825	0.66124702	0.0027196	0.030111643
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	methyl accepting chemotaxis protein	Biofilm type	Pathogen-rich	1.46546791	0.48932539	0.00274558	0.030367728
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	NarL family nitrate nitrite response	Biofilm type	Pathogen-rich	2.16354684	0.72498866	0.00284275	0.031312555
Environmental Information Processing Signal transduction	ko02022	Two component system	two component system	LyfTR family response regulator NarX	Vapor Type	Nicotine plus	1.74473585	0.58959006	0.00290259	0.031938658
Environmental Information Processing Signal transduction	ko02022	Two component system	core	two component system NarL family nitrate nitrite response	Vapor Type	Nicotine free	3.34426925	1.14612092	0.00352394	0.038145858
Environmental Information Processing Signal transduction	ko02020	Two component system	core	holin I protein LrgB	Biofilm type	Pathogen-rich	0.44026476	0.15095584	0.00353967	0.038030589
Environmental Information Processing Signal transduction	ko02020	Two component system	two component system	nitrogen regulatory protein A	Vapor Type	Nicotine plus	3.14294904	1.09813491	0.00420872	0.044740811
Environmental Information Processing Signaling molecule	ko02042	Bacterial toxins	cAMP factor	Biofilm type	Pathogen-rich	-2.5761982	0.23761649	2.18E-27	2.37E-25	
Environmental Information Processing Signaling molecule	ko02042	Bacterial toxins	cAMP factor	Biofilm type	Intermediate	-3.9201187	0.45285592	4.87E-18	2.69E-16	
Environmental Information Processing Signaling molecule	ko02042	Bacterial toxins	hemolysin III	Vapor Type	Nicotine free	2.86179669	0.45827153	4.24E-10	1.06E-08	
Environmental Information Processing Signaling molecule	ko02042	Bacterial toxins	putative hemolysin	Vapor Type	Nicotine free	3.64883147	0.62020517	4.02E-09	9.13E-08	
Environmental Information Processing Signaling molecule	ko02042	Bacterial toxins	putative hemolysin	Vapor Type	Nicotine plus	2.67798262	0.62066316	1.60E-05	0.00243912	
Environmental Information Processing Signaling molecule	ko02042	Bacterial toxins	hemolysin III	Vapor Type	Nicotine plus	1.61134501	0.46054668	0.00046742	0.005900764	
Environmental Information Processing Signaling molecule	ko04090	CD Molecules	core	Fc receptor 1 HSA 115350	Vapor Type	Nicotine plus	4.18998294	0.5492992	2.39E-14	9.28E-13
Environmental Information Processing Signaling molecule	ko04090	CD Molecules	CD Molecules	Fc receptor 1 HSA 115350	Vapor Type	Nicotine free	3.85221995	0.5495624	2.39E-12	7.45E-11
Environmental Information Processing Signaling molecule	ko04090	CD Molecules	poliovirus receptor related protein 2	Vapor Type	Nicotine plus	4.33261256	1.08566531	6.59E-05	0.000934397	
Environmental Information Processing Signaling molecule	ko04090	CD Molecules	poliovirus receptor related protein 2	Vapor Type	Nicotine free	4.03388788	1.08811236	0.00020953	0.001733483	
Environmental Information Processing Signaling molecule	ko04514	Cell adhesion molecules: CAMs	cell adhesion molecules: CAMs	Vapor Type	Nicotine plus	1.6805681	0.7878921	0.0016153	0.018702352	
Environmental Information Processing Signaling molecule	ko04514	Cell adhesion molecules: CAMs	cadherin 4 type 1 & cadherin	Vapor Type	Nicotine plus	5.45489912	1.7793219	0.00217148	0.024392322	
Environmental Information Processing Signaling molecule	ko04514	Cell adhesion molecules: CAMs	contactin associated protein 1	Biofilm type	Intermediate	2.24189056	0.78999977	0.00219093	0.024595223	
Environmental Information Processing Signaling molecule	ko04514	Cell adhesion molecules: CAMs	contactin associated protein 1	Vapor Type	Nicotine plus	2.1723182	0.73338707	0.00305613	0.033510571	
Environmental Information Processing Signaling molecule	ko04514	Cell adhesion molecules: CAMs	contactin associated protein 1	Vapor Type	Nicotine free	1.9387568	0.66130487	0.00337097	0.036836367	
Environmental Information Processing Signaling molecule	ko04516	Cell adhesion molecules and their ligands	natural cytotoxicity triggering receptor 3 ligand 1	Vapor Type	Nicotine free	4.37646047	0.49715042	1.33E-18	7.70E-17	
Environmental Information Processing Signaling molecule	ko04516	Cell adhesion molecules and their ligands	natural cytotoxicity triggering receptor 3 ligand 1	Vapor Type	Nicotine plus	4.35860146	0.49726061	1.85E-18	1.05E-16	
Environmental Information Processing Signaling molecule	ko04516	Cell adhesion molecules and their ligands	protocadherin gamma subfamily A	Vapor Type	Nicotine plus	3.49019375	1.17504332	0.0029754	0.032656666	
Environmental Information Processing Signaling molecule	ko04516	Cell adhesion molecules and their ligands	protocadherin gamma subfamily A	Vapor Type	Nicotine free	3.34740633	1.1777088	0.00447888	0.047254682	
Environmental Information Processing Signaling molecule	ko04030	G protein coupled receptors	core	olfactory receptor	Vapor Type	Nicotine plus	4.08519457	0.27511064	7.03E-50	2.13E-47
Environmental Information Processing Signaling molecule	ko04030	G protein coupled receptors	core	olfactory receptor	Vapor Type	Nicotine free	3.87718877	0.27562599	6.07E-45	1.51E-42
Environmental Information Processing Signaling molecule	ko04030	G protein coupled receptors	vomeronal 2 receptor	Vapor Type	Nicotine plus	-3.6936151	0.7586063	1.12E-06	1.95E-05	
Environmental Information Processing Signaling molecule	ko04030	G protein coupled receptors	vomeronal 2 receptor	Biofilm type	Intermediate	4.24711867	1.00097099	2.21E-05	0.000330655	
Environmental Information Processing Signaling molecule	ko04030	G protein coupled receptors	vomeronal 2 receptor	Vapor Type	Nicotine free	-4.747695	1.27399011	0.00019405	0.002594132	
Environmental Information Processing Signaling molecule	ko04091	Lectins	C type lectin domain family 2 member D	Vapor Type	Nicotine free	4.41604386	1.35548933	0.00112241	0.013261993	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	core	ATP dependent Clp protease ATP binding subunit ClpB	Vapor Type	Nicotine free	3.90393493	0.29265921	1.36E-40	2.92E-38
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	Chaperones and folding catalysts	Vapor Type	Nicotine free	5.2044829	0.5044838	5.94E-25	5.51E-23	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	chaperonin GroES	Vapor Type	Nicotine free	4.16813001	0.40938383	2.40E-24	2.15E-22	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	chaperonin GroES	Vapor Type	Nicotine plus	3.20876674	0.41121072	6.03E-15	2.50E-13	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	hydrogenase nickel incorporation protein HybB	Vapor Type	Nicotine free	4.18665189	0.89841893	1.22E-12	3.94E-11	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpB	Vapor Type	Nicotine plus	2.07540492	0.2963086	2.48E-11	7.72E-11	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	peptidyl prolyl cis trans isomerase B cyclophilin BEC 5 2 1 8	Vapor Type	Nicotine free	3.220307	0.46882763	6.47E-12	1.92E-10	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpC	Vapor Type	Nicotine free	4.31487433	0.63297699	9.31E-12	2.72E-10	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpC	Vapor Type	Nicotine free	4.92653293	0.77588527	2.16E-10	5.51E-09	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	ATP dependent HslUV protease ATP binding subunit HslU	Vapor Type	Nicotine plus	3.22499715	0.51173095	2.94E-10	7.38E-09	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	hydrogenase nickel incorporation protein HybA HybF	Vapor Type	Nicotine free	4.04942492	0.66135634	9.19E-10	2.22E-08	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	serine protease EC 3 4 2 1	Biofilm type	Pathogen-rich	-2.617777	0.4444216	3.85E-09	8.77E-08	
Genetic Information Processing Folding, sorting and targeting	ko03110	Chaperones and folding catalysts	serine protease EC 3 4 2 1 107	Vapor Type	Nicotine free	3.22651064				

Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	leucine proline enriched proteoglycan leprecan	Vapor Type	Nicotine plus	-4.8794031	1.23925231	8.24E-05	0.001154494
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	putative thioredoxin	Vapor Type	Nicotine free	3.38179693	0.86271489	8.86E-05	0.001235414
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpX	Vapor Type	Nicotine plus	2.35243506	0.62116961	0.00015241	0.00206331
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpA	Vapor Type	Nicotine free	2.17326827	0.58943571	0.00022825	0.003017218
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	FBP type peptidyl prolyl cis trans isomerase FpA EC 5 2 1 8	Vapor Type	Nicotine free	2.61350757	0.7282785	0.00033245	0.004313293
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	leucine proline enriched proteoglycan leprecan	Vapor Type	Nicotine free	-5.2354064	1.47815458	0.00039733	0.005085636
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	putative thioredoxin	Biofilm type	Pathogen-rich	-1.3271705	0.37785549	0.00044412	0.005640043
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	peptidyl prolyl cis trans isomerase C EC 5 2 1 8	Vapor Type	Nicotine free	3.72170631	1.06558371	0.00047826	0.006027672
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	preprotein translocase subunit SecB	Biofilm type	Nicotine free	2.9501801	0.8537587	0.0004775	0.006832414
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	leucine proline enriched proteoglycan leprecan	Biofilm type	Intermediate	5.33493938	1.54880185	0.00057193	0.007102271
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	molecular chaperone HscA	Vapor Type	Nicotine free	2.21748897	0.6473874	0.00061415	0.007572001
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	core	Biofilm type	Intermediate	-2.7149186	0.80548707	0.00075024	0.009131644
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	HSP20 family protein	Biofilm type	Pathogen-rich	-1.7598484	0.52397365	0.00079322	0.009504882
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	peptidyl prolyl cis trans isomerase C EC 5 2 1 8	Vapor Type	Nicotine plus	3.4750769	1.06840169	0.00114357	0.013491041
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	FBP type peptidyl prolyl cis trans isomerase FpA EC 5 2 1 8	Vapor Type	Nicotine plus	2.37653138	0.73344624	0.00119435	0.015052801
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpA	Vapor Type	Nicotine plus	1.89031487	0.59363483	0.00145102	0.016812991
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	molecular chaperone HscC	Vapor Type	Nicotine free	2.04291983	0.64532626	0.00154702	0.017840044
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	preprotein translocase subunit SecB	Vapor Type	Nicotine plus	2.69356523	0.85864971	0.00176099	0.019557926
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	molecular chaperone Hsp33	Vapor Type	Nicotine plus	1.92564125	0.61525366	0.00174966	0.019984078
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	ribosome associated heat shock protein Hsp15	Vapor Type	Nicotine free	2.16637567	0.70099743	0.00199874	0.022609176
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	molecular chaperone HscA	Vapor Type	Nicotine plus	2.00657641	0.65102201	0.00205481	0.023208859
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	FBP type peptidyl prolyl cis trans isomerase FIB EC 5 2 1 8	Vapor Type	Nicotine free	1.98744708	0.66509622	0.00208617	0.03094796
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	lactococin EC 3 4 2 1 96	Vapor Type	Nicotine plus	2.20303252	0.73785324	0.002829	0.017133948
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	HSP20 family protein	Vapor Type	Nicotine free	3.76524512	1.26998162	0.00302877	0.0323107
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpE	Vapor Type	Nicotine plus	1.95794074	0.68522999	0.00421797	0.045331837
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	peptidyl prolyl cis trans isomerase A cyclophilin AEC 5 2 1 8	Vapor Type	Nicotine plus	1.87924688	0.66169358	0.00449998	0.04744912
Genetic Information Processing Folding sorting and	ko03110	Chaperones and folding catalysts	ATP dependent Clp protease ATP binding subunit ClpA	Biofilm type	Pathogen-rich	1.57204073	0.55560965	0.00466357	0.048929696
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	epidermal growth factor receptor substrate 15	Vapor Type	Nicotine free	3.4934469	0.45172093	1.05E-14	4.22E-13
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	synaptotagmin 12	Vapor Type	Nicotine plus	4.00177651	0.70237627	2.48E-07	2.68E-07
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	synaptotagmin 13	Vapor Type	Nicotine plus	3.83501418	0.70390646	7.09E-16	1.03E-06
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	epidermal growth factor receptor substrate 15	Vapor Type	Nicotine plus	1.96661421	0.47512379	3.49E-05	0.000511656
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	fuafin EC 2 7 8	Vapor Type	Nicotine free	2.47569394	0.68521125	0.00030263	0.003943785
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	Rho GTPase activating protein 20	Vapor Type	Nicotine plus	3.938163	1.26766459	0.00189234	0.02149221
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	Rho GTPase activating protein 20	Vapor Type	Nicotine free	3.79448724	1.26953485	0.00280002	0.030886559
Genetic Information Processing Folding sorting and	ko04131	Membrane trafficking	DENR domain containing protein 5	Biofilm type	Intermediate	1.9979836	0.6995553	0.00428912	0.045495685
Genetic Information Processing Folding sorting and	ko03051	Proteasome	proteasome accessory factor C	Biofilm type	Pathogen-rich	-2.5566103	0.5729978	8.13E-06	0.000128259
Genetic Information Processing Folding sorting and	ko03051	Proteasome	proteasome accessory factor B	Biofilm type	Pathogen-rich	-2.5931798	0.60135517	1.62E-05	0.0002466
Genetic Information Processing Folding sorting and	ko03051	Proteasome	proteasome accessory factor B	Biofilm type	Intermediate	-3.6880562	1.01526323	0.00028057	0.003672389
Genetic Information Processing Folding sorting and	ko03051	Proteasome	proteasome accessory factor C	Biofilm type	Intermediate	-4.0560702	1.17828995	0.00057671	0.007148504
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	3.3054193	0.7292028	1.56E-29	1.92E-27
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	2.66190142	0.56040484	0	0
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	1.17126768	0.62641541	1.44E-78	8.73E-76
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	3.66183591	0.30092763	4.57E-34	7.35E-32
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	3.55509426	0.23620364	3.40E-51	1.09E-48
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Biofilm type	Intermediate	-0.3317841	0.03283913	5.34E-24	4.67E-22
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	2.43688579	0.24286687	1.08E-23	9.28E-22
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	3.74231699	0.39969938	7.76E-21	5.45E-19
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	4.76629653	0.5321993	8.25E-20	5.35E-18
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	2.5884861	0.30880917	2.24E-17	1.44E-15
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	3.46337318	0.5528599	7.09E-16	3.22E-14
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	2.3973551	0.34662799	2.04E-12	6.41E-11
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	2.09181281	0.30124835	3.82E-12	1.16E-10
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	3.51918511	0.55576842	2.42E-10	6.13E-09
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine free	3.5625375	0.56410128	2.69E-10	6.79E-09
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	2.54231458	0.40543619	3.60E-10	9.00E-09
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Biofilm type	Intermediate	-0.4282969	0.08420875	3.65E-07	6.71E-06
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	2.6452714	0.53260307	6.81E-07	1.21E-05
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	2.37475444	0.5645266	2.59E-05	0.000385463
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Vapor Type	Nicotine plus	1.31604087	0.34798737	0.00015566	0.002104606
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Biofilm type	Pathogen-rich	0.08830317	0.02937845	0.00264959	0.029365518
Genetic Information Processing Folding sorting and	ko03060	Protein export	core	Biofilm type	Pathogen-rich	-0.2323582	0.07954757	0.00348914	0.03783238
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Vapor Type	Nicotine plus	-1.253399	0.0250821	0	0
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Biofilm type	Intermediate	-1.4436918	0.02291017	0	0
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Biofilm type	Pathogen-rich	-1.3019578	0.02165106	0	0
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Vapor Type	Nicotine free	-0.2056825	0.0176338	1.94E-31	2.71E-29
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Vapor Type	Nicotine plus	-4.5948125	0.92843384	7.46E-07	1.32E-05
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Vapor Type	Nicotine free	-5.004044	1.13678525	1.07E-05	0.000166718
Genetic Information Processing Folding sorting and	ko03018	RNA degradation	core	Biofilm type	Intermediate	5.7382137	1.1782082	9.57E-05	0.00327391
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine free	3.8421512	0.34082093	4.93E-29	4.93E-27
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine plus	3.84637235	0.1020808	3.63E-23	3.63E-23
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine plus	2.58562205	0.35122931	3.23E-13	1.11E-11
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine free	4.46677409	0.6637819	1.25E-11	3.59E-10
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine plus	3.17104618	0.51610503	8.04E-10	1.95E-08
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine plus	3.32395058	0.67086072	7.24E-07	1.28E-05
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine free	6.57118207	1.7735687	0.00021097	0.00280061
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine free	3.65023867	1.06814415	0.00063278	0.007775851
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Vapor Type	Nicotine plus	3.36695973	1.07150758	0.00167647	0.019224748
Genetic Information Processing Folding sorting and	ko04122	Sulfur relay system	core	Biofilm type	Pathogen-rich	2.27217967	0.74534775	0.0023	0.025727594
Genetic Information Processing Folding sorting and	ko04121	Ubiquitin system	core	Vapor Type	Nicotine plus	-3.1124604	1.05210203	0.00309315	0.03388167
Genetic Information Processing Folding sorting and	ko04121	Ubiquitin system	core	Vapor Type	Nicotine free	-3.2855794	1.14326159	0.00405482	0.04344798
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Vapor Type	Nicotine free	4.52734343	0.34325951	1.01E-39	2.10E-37
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Vapor Type	Nicotine free	3.95716355	0.34064504	3.39E-31	4.66E-29
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Vapor Type	Nicotine plus	3.33671715	0.34735579	7.54E-22	5.75E-20
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Vapor Type	Nicotine plus	2.9190244	0.34110778	1.15E-17	6.16E-16
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Vapor Type	Nicotine free	3.02838989	0.47001669	1.17E-10	3.07E-09
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Biofilm type	Intermediate	-0.5921436	0.10157897	5.56E-09	1.25E-07
Genetic Information Processing Replication and rep	ko03410	Base excision repair	core	Vapor Type	Nicotine plus	2.14802419	0.47100922	5.10E-06	8.24E-05
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	5.10035149	0.42696814	6.85E-33	1.02E-30
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.53977475	0.39804758	6.79E-34	1.08E-31
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	2.96072134	0.15770507	1.24E-78	7.58E-76
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine plus	1.8545497	0.15875472	1.58E-31	2.22E-29
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.66235085	0.3267217	3.67E-29	4.47E-27
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	4.38413895	0.42379118	4.41E-25	4.11E-23
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.62240606	0.35868814	5.58E-24	4.87E-22
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.68989834	0.38453189	8.33E-22	6.28E-20
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.20456126	0.36816434	3.20E-18	1.79E-16
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.30582119	0.38490703	8.80E-18	4.77E-16
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	4.19440868	0.50540905	1.05E-16	5.11E-15
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine plus	3.1661252	0.38717719	2.90E-16	1.37E-14
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine plus	3.51035455	0.4304668	3.50E-16	1.64E-14
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine plus	3.451837	0.42612842	5.48E-16	2.53E-14
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor Type	Nicotine free	3.58645609	0.4444575	7.07E-16	3.23E-14
Genetic Information Processing Replication and rep	ko03036	Chromosome and associated proteins	core	Vapor					

Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	Integrase recombinase XerD	Vapor Type	Nicotine plus	2.05630091	0.33856357	1.25E-09	2.99E-08
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein ZapA	Vapor Type	Nicotine free	3.51995943	0.58312705	1.58E-09	3.73E-08
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	GTP binding protein	Vapor Type	Nicotine plus	2.18453264	0.37035913	3.67E-09	8.37E-08
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	DNA segregation ATPase Fts SpoIIIE S DNA T family	Vapor Type	Nicotine free	3.24149415	0.57780144	2.02E-08	4.27E-07
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	rod shape determining protein MreC	Vapor Type	Nicotine plus	2.16258528	0.38689586	2.28E-08	4.78E-07
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein FtsQ	Vapor Type	Nicotine plus	2.38138088	0.44578344	9.19E-08	1.82E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	16S rRNA guanine527 N7 methyltransferase EC 2 11 170	Vapor Type	Nicotine plus	2.47130892	0.46715505	1.22E-07	2.37E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	rod shape determining protein MreD	Vapor Type	Nicotine free	2.75396047	0.52254715	1.36E-07	2.62E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	septum site determining protein MinD	Vapor Type	Nicotine free	2.93712108	0.5592695	1.66E-07	3.17E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	Integrase recombinase XerC	Biofilm type	Nicotine plus	2.63041675	0.51703537	2.88E-07	5.35E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	segregation and condensation protein A	Vapor Type	Nicotine plus	2.63498089	0.51714575	3.48E-07	6.41E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein FtsA	Vapor Type	Nicotine plus	2.1400707	0.42242326	4.06E-07	7.41E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	rod shape determining protein RodA	Vapor Type	Nicotine plus	2.13602475	0.42583456	5.27E-07	9.51E-06
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	methylene tetrahydrofolate TRNA uracil 5 methyltransferase	Vapor Type	Nicotine free	3.11231115	0.62371613	6.04E-07	1.08E-05
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division initiation protein	Vapor Type	Nicotine plus	2.50205012	0.51093681	7.93E-07	1.70E-05
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	septum site determining protein MinD	Vapor Type	Nicotine plus	2.50281452	0.56059213	8.02E-06	0.000126682
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	tRNA uridine 5 carboxymethylaminomethyl modification enzyme	Vapor Type	Nicotine plus	2.17840022	0.49116596	9.20E-06	0.000144386
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	DNA binding protein HU beta	Vapor Type	Nicotine plus	2.40778935	0.54975645	1.19E-05	0.000183559
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	septation ring formation regulator	Vapor Type	Nicotine free	3.23608319	0.74006072	1.23E-05	0.000189392
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	flotillin	Vapor Type	Nicotine free	2.01311755	0.46836762	1.72E-05	0.000261883
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	segregation and condensation protein B	Vapor Type	Nicotine free	3.01689676	0.72330926	3.03E-05	0.000448551
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein DivIC	Vapor Type	Nicotine free	2.60987984	0.66315495	8.30E-05	0.001162697
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	DNA segregation ATPase Fts SpoIIIE S DNA T family	Vapor Type	Nicotine plus	2.13061408	0.57804882	0.00022792	0.000313626
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein ZapA	Vapor Type	Nicotine plus	2.16601694	0.60463845	0.00034054	0.00408634
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein ZapE	Vapor Type	Nicotine free	2.39865454	0.68125457	0.00043002	0.005476699
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	chromosome segregation protein	Biofilm type	Intermediate	-0.5047103	0.15473875	0.0011212	0.013250591
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	chromosome partitioning protein	Biofilm type	Intermediate	-1.0407924	0.3247074	0.0013491	0.015710677
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	methylene tetrahydrofolate TRNA uracil 5 methyltransferase	Vapor Type	Nicotine plus	1.94901534	0.62451333	0.00180327	0.020572638
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	rod shape determining protein MreD	Vapor Type	Nicotine plus	1.63051754	0.35293935	0.00190916	0.021740338
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	Integrase recombinase XerD	Biofilm type	Intermediate	-0.7145071	0.25436187	0.000323807	0.026360441
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein ZapE	Vapor Type	Nicotine plus	2.07163593	0.68759687	0.00258795	0.028713562
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	septation ring formation regulator	Vapor Type	Nicotine plus	2.14784415	0.74065118	0.00373234	0.040218806
Genetic Information Processing Replication and repair	ko03036	Chromosome and associated proteins	cell division protein ZapA	Biofilm type	Pathogen-rich	0.88059389	0.30721861	0.00415244	0.044186614
Genetic Information Processing Replication and repair	ko03036	DNA repair and recombination proteins	methylated DNA protein cysteine 5 methyltransferase EC 2 7 7 7	Vapor Type	Nicotine free	3.20899769	0.3015984	1.94E-26	1.99E-24
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA topoisomerase I EC 5 9 9 1 2	Vapor Type	Nicotine free	3.00695867	0.0704083	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA topoisomerase I EC 5 9 9 1 2	Vapor Type	Nicotine plus	1.94053408	0.07349929	1.30E-153	1.65E-150
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA topoisomerase I EC 5 9 9 1 2	Biofilm type	Intermediate	-0.3656422	0.03230175	1.05E-29	1.32E-27
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein Sbc Mre11	Vapor Type	Nicotine free	4.49263646	0.28882459	1.50E-54	5.21E-52
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein Sbc Mre11	Vapor Type	Nicotine plus	3.3894191	0.29090524	2.26E-31	3.14E-29
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent DNA helicase RecG EC 3 6 4 12	Vapor Type	Nicotine free	3.99376246	0.52577874	3.14E-56	1.19E-53
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent DNA helicase RecG EC 3 6 4 12	Vapor Type	Nicotine plus	2.73994266	0.25365722	3.38E-27	3.62E-25
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase III subunit alpha Gram positive type EC 2 7 7 7	Vapor Type	Nicotine plus	1.95475655	0.05114812	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase III subunit alpha Gram positive type EC 2 7 7 7	Vapor Type	Nicotine free	3.05816579	0.40898277	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase III subunit alpha Gram positive type EC 2 7 7 7	Biofilm type	Intermediate	-0.3933925	0.02189163	3.35E-72	1.78E-69
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase III subunit alpha Gram positive type EC 2 7 7 7	Biofilm type	Pathogen-rich	-0.2286983	0.02087689	6.31E-28	7.10E-26
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	primosomal protein N replication factor Y superfamily II H	Vapor Type	Nicotine plus	2.58154003	0.05721264	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	primosomal protein N replication factor Y superfamily II H	Vapor Type	Nicotine plus	1.57678413	0.0605955	2.83E-149	3.51E-146
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	primosomal protein N replication factor Y superfamily II H	Biofilm type	Intermediate	-0.4011867	0.03114014	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA mismatch repair protein MutS2	Vapor Type	Nicotine free	2.48923543	0.50262673	5.99E-38	1.08E-35
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA mismatch repair protein MutS2	Vapor Type	Nicotine plus	1.33508012	0.36334078	1.89E-133	2.06E-130
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit A EC 31 3 6 4 1	Vapor Type	Nicotine free	2.41839385	0.49254005	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit A EC 31 3 6 4 1	Vapor Type	Nicotine plus	1.36923348	0.40608138	5.16E-194	8.33E-191
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit A EC 31 3 6 4 1	Biofilm type	Intermediate	-0.3647777	0.02568418	8.85E-46	2.26E-43
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit B EC 31 3 6 4 1	Vapor Type	Nicotine free	2.1964479	0.40684872	0	0
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit B EC 31 3 6 4 1	Vapor Type	Nicotine plus	1.11096314	0.44449703	1.39E-137	1.61E-134
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit B EC 31 3 6 4 1	Biofilm type	Intermediate	-0.2921655	0.02689775	1.75E-27	1.91E-25
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA mismatch repair protein MutS2	Biofilm type	Intermediate	-0.3045917	0.02949805	5.39E-25	5.02E-23
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein Sbc Rad50	Vapor Type	Nicotine free	3.95314525	0.38931281	3.18E-24	2.82E-22
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	recombination protein RecR	Vapor Type	Nicotine free	3.74637898	0.37767794	3.42E-23	2.86E-21
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent DNA helicase RecQ EC 3 6 4 12	Vapor Type	Nicotine free	4.64311261	0.46906197	4.22E-23	3.49E-21
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	recombination protein RecR	Vapor Type	Nicotine free	3.64769014	0.37951359	7.15E-22	5.48E-20
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA directed RNA polymerase subunit delta	Vapor Type	Nicotine free	3.99384593	0.43518487	4.42E-20	2.96E-18
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	single strand DNA binding protein	Vapor Type	Nicotine free	3.86273373	0.42167868	5.17E-20	3.43E-18
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	primosomal protein N replication factor Y superfamily II H	Biofilm type	Pathogen-rich	-0.268333	0.02995815	3.34E-19	2.05E-17
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA directed RNA polymerase subunit beta EC 27 7 6	Vapor Type	Nicotine plus	3.56855938	0.43799456	7.32E-16	1.74E-14
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein Sbc Rad50	Vapor Type	Nicotine plus	3.09550691	0.39058633	2.28E-15	9.88E-14
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA 3 methylenediphenyl glyoxylase EC 3 2 2 21	Vapor Type	Nicotine free	4.74355233	0.5987412	2.33E-15	1.01E-13
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	regulatory protein	Vapor Type	Nicotine free	3.81454843	0.48817759	5.55E-15	2.31E-13
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent DNA helicase RecQ EC 3 6 4 12	Vapor Type	Nicotine plus	3.65882852	0.46894564	5.56E-15	2.31E-13
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase family X	Vapor Type	Nicotine plus	2.70071676	0.38635078	2.85E-16	1.23E-14
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein RadA Sms	Vapor Type	Nicotine free	3.72346287	0.48957735	2.84E-14	1.09E-12
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA directed RNA polymerase subunit beta EC 27 7 6	Vapor Type	Nicotine free	3.76272625	0.50428037	8.55E-14	3.14E-12
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	recombination protein U	Vapor Type	Nicotine plus	2.83355491	0.38021857	9.20E-14	3.36E-12
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein RecN Recombination proteinN	Vapor Type	Nicotine free	3.45855724	0.46706958	1.31E-13	4.69E-12
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase V	Vapor Type	Nicotine free	3.69115274	0.52537371	2.13E-12	6.67E-11
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	methylated DNA protein cysteine 5 methyltransferase EC 2 7 7 7	Vapor Type	Nicotine plus	2.1141551	0.30520091	4.58E-12	1.37E-10
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA directed RNA polymerase subunit delta	Vapor Type	Nicotine plus	2.97284033	0.43694319	1.02E-11	2.97E-10
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	protein ImuB	Biofilm type	Pathogen-rich	-2.3391258	0.34793533	1.78E-11	5.07E-10
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	recombination protein RecR	Vapor Type	Nicotine plus	2.54774783	0.3812643	2.35E-11	6.62E-10
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	single strand DNA binding protein	Vapor Type	Nicotine plus	2.74514648	0.42273527	8.37E-11	2.23E-09
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	protein ImuB	Biofilm type	Intermediate	-3.2346803	0.53001944	1.04E-09	2.50E-08
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	CRISP associated protein Cas1	Vapor Type	Nicotine free	3.36397074	0.56001707	1.89E-09	4.44E-08
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA directed RNA polymerase subunit beta EC 27 7 6	Vapor Type	Nicotine plus	2.49624739	0.43827493	1.23E-08	2.66E-07
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	regulatory protein	Vapor Type	Nicotine plus	2.75830744	0.48937232	1.74E-08	3.70E-07
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA directed RNA polymerase subunit beta EC 27 7 6	Vapor Type	Nicotine plus	2.70494807	0.50450189	8.25E-08	1.64E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA topoisomerase I EC 5 9 9 1 2	Biofilm type	Pathogen-rich	-0.1593669	0.03047584	1.70E-07	3.24E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent helicase nuclease subunit A EC 31 3 6 4 1	Biofilm type	Pathogen-rich	-0.1250281	0.02401721	1.93E-07	3.66E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein RecN Recombination proteinN	Vapor Type	Nicotine plus	2.42910018	0.46759861	2.05E-07	3.87E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA repair protein RadA Sms	Vapor Type	Nicotine plus	2.52714438	0.48014597	2.52E-07	4.72E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase V	Vapor Type	Nicotine plus	2.70071676	0.38635078	2.85E-16	1.23E-14
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA polymerase family X	Vapor Type	Nicotine plus	4.41957996	0.86767258	5.51E-07	6.46E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	DNA 3 methylenediphenyl glyoxylase EC 3 2 2 21	Vapor Type	Nicotine plus	3.05550352	0.60806018	5.15E-07	9.32E-06
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent DNA helicase Rec EC 3 6 4 12	Vapor Type	Nicotine free	3.16136172	0.67040042	2.41E-06	4.04E-05
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	CRISP associated protein Cas1	Vapor Type	Nicotine plus	2.52494271	0.56061455	6.67E-06	0.000106342
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	ATP dependent DNA helicase Rec EC 3 6 4 12	Vapor Type	Nicotine plus	2.79506223	0.67356153	3.33E-05	0.000489656
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	endonuclease VIII EC 3 2 2 4 99 18	Biofilm type	Pathogen-rich	-2.1856091	0.6240934	0.00046169	0.005838795
Genetic Information Processing Replication and repair	ko03040	DNA repair and recombination proteins	endonuclease VIII EC 3 2 2 4 99 18	Vapor Type	Nicotine free	2.7457801	0.78605753	0.00047744	0.006018953

Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	DNA polymerase III subunit delta	EC 2 7 7 7	Vapor Type	Nicotine free	3.28607926	0.43127105	2.55E-14	9.85E-13
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	ribonuclease HI	EC 3 1 26 4	Vapor Type	Nicotine plus	2.90323955	0.39897256	3.42E-13	1.17E-11
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	ribonuclease HII	EC 3 1 26 4	Vapor Type	Nicotine free	3.77591307	0.53782848	2.21E-12	6.90E-11
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	DNA polymerase III subunit delta	EC 2 7 7 7	Vapor Type	Nicotine free	3.21648599	0.46188837	3.31E-12	1.01E-10
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	ribonuclease HII	EC 3 1 26 4	Vapor Type	Nicotine free	3.01596514	0.58252467	2.25E-07	4.23E-06
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	DNA polymerase III subunit delta	EC 2 7 7 7	Vapor Type	Nicotine plus	2.23526689	0.43231499	2.34E-07	4.38E-06
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	ribonuclease HII	EC 3 1 26 4	Vapor Type	Nicotine plus	2.68836137	0.5392583	6.19E-07	1.11E-05
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	replication initiation and membrane attachment protein		Biofilm type	Intermediate	-0.2146376	0.04578364	2.76E-06	4.58E-05
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	DNA polymerase III subunit delta	EC 2 7 7 7	Vapor Type	Nicotine plus	2.13040659	0.46293839	4.19E-05	6.81E-05
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	primosomal protein		Vapor Type	Nicotine free	2.74710628	0.73158057	0.0001-03	0.00329836
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	DnaA homolog protein		Vapor Type	Nicotine free	2.11657404	0.59980114	0.00041912	0.005342971
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	ribonuclease HII	EC 3 1 26 4	Vapor Type	Nicotine plus	1.95182805	0.58377027	0.00082733	0.010008273
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	replication initiation and membrane attachment protein		Biofilm type	Pathogen-rich	0.13248976	0.04190455	0.00156849	0.018064284
Genetic Information Processing Replication and repair	ko03032	DNA replication proteins	DnaA homolog protein		Biofilm type	Pathogen-rich	1.77876882	0.56443554	0.00162483	0.018702352
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	recombination protein RecA		Vapor Type	Nicotine free	3.76990096	0.38957782	3.78E-22	2.96E-20
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA repair protein RecO recombination protein O		Vapor Type	Nicotine free	3.72701689	0.40265888	2.12E-20	1.45E-18
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA replication and repair protein RecF		Vapor Type	Nicotine free	3.99061056	0.50371752	2.33E-15	1.01E-13
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	recombination protein RecA		Vapor Type	Nicotine plus	2.69173327	0.39032534	5.34E-12	1.59E-10
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	exodeoxyribonuclease V alpha subunit	EC 3 1 11 5	Vapor Type	Nicotine free	3.51914389	0.51426466	7.75E-12	2.28E-10
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA polymerase III subunit alpha	EC 2 7 7 7	Vapor Type	Nicotine free	3.33417587	0.49468506	1.58E-11	4.52E-10
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA polymerase III subunit beta	EC 2 7 7 7	Vapor Type	Nicotine free	3.7513212	0.56850873	3.88E-11	1.07E-09
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA repair protein RecO recombination protein O		Vapor Type	Nicotine plus	2.6642855	0.40445391	4.48E-11	1.23E-09
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA replication and repair protein RecF		Vapor Type	Nicotine plus	2.85317379	0.50428646	1.53E-08	3.29E-07
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA polymerase III subunit alpha	EC 2 7 7 7	Vapor Type	Nicotine plus	2.45929681	0.49485144	6.70E-07	1.19E-05
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	exodeoxyribonuclease V alpha subunit	EC 3 1 11 5	Vapor Type	Nicotine plus	2.52557903	0.51459889	9.21E-07	1.61E-05
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	exodeoxyribonuclease V gamma subunit	EC 3 1 11 5	Vapor Type	Nicotine free	3.003763	0.63062112	1.91E-06	3.23E-05
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	DNA polymerase III subunit beta	EC 2 7 7 7	Vapor Type	Nicotine plus	2.63212123	0.56897814	3.57E-06	5.84E-05
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	exodeoxyribonuclease V beta subunit	EC 3 1 11 5	Vapor Type	Nicotine free	2.26051924	0.6490115	0.00049579	0.006230963
Genetic Information Processing Replication and repair	ko03032	Homologous recombination	exodeoxyribonuclease V gamma subunit	EC 3 1 11 5	Vapor Type	Nicotine plus	1.98284271	0.58323838	0.0010106	0.02369118
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	exodeoxyribonuclease VII small subunit	EC 3 1 11 6	Vapor Type	Nicotine free	3.10870771	0.57666497	3.49E-11	4.77E-10
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	exodeoxyribonuclease VII small subunit	EC 3 1 11 6	Vapor Type	Nicotine plus	2.14929279	0.27672345	8.04E-15	3.28E-13
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	exodeoxyribonuclease VII large subunit	EC 3 1 11 6	Vapor Type	Nicotine free	3.14092895	0.43698728	6.59E-13	2.18E-11
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	single stranded DNA specific exonuclease	EC 3 1	Vapor Type	Nicotine free	3.49650351	0.5124064	8.87E-12	2.60E-10
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	DNA mismatch repair protein MutS		Vapor Type	Nicotine free	3.17380298	0.59183775	8.20E-08	1.63E-06
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	DNA mismatch repair protein MutL		Vapor Type	Nicotine free	2.92551069	0.57256422	3.23E-07	5.96E-06
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	exodeoxyribonuclease VII large subunit	EC 3 1 11 6	Vapor Type	Nicotine plus	2.18737206	0.43774907	5.83E-07	1.05E-05
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	single stranded DNA specific exonuclease	EC 3 1	Vapor Type	Nicotine plus	2.46336354	0.51284329	1.56E-06	2.67E-05
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	exodeoxyribonuclease VII small subunit	EC 3 1 11 6	Biofilm type	Intermediate	-0.4554052	0.11586873	8.48E-05	0.001185931
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	DNA mismatch repair protein MutS		Vapor Type	Nicotine plus	2.13385327	0.59209401	0.00031347	0.004077967
Genetic Information Processing Replication and repair	ko03032	Mismatch repair	DNA mismatch repair protein MutL		Vapor Type	Nicotine plus	1.87544007	0.5729448	0.00106287	0.012622742
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	DNA ligase NAD	EC 6 5 1 2	Vapor Type	Nicotine free	3.67136741	0.3329081	2.79E-28	3.22E-26
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	DNA ligase NAD	EC 6 5 1 2	Vapor Type	Nicotine plus	2.5867501	0.3336421	8.97E-15	3.64E-13
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	excinuclease ABC subunit A		Vapor Type	Nicotine free	3.53489861	0.48573637	3.40E-13	1.17E-11
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	excinuclease ABC subunit C		Vapor Type	Nicotine free	3.33437999	0.54286377	8.14E-10	1.97E-08
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	xeroderma pigmentosum group C complementing protein		Vapor Type	Nicotine plus	3.35394982	0.58522843	9.98E-09	2.19E-07
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	excinuclease ABC subunit B		Vapor Type	Nicotine free	3.04323085	0.57570233	1.25E-07	2.42E-06
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	xeroderma pigmentosum group C complementing protein		Vapor Type	Nicotine free	3.07057131	0.58549897	1.57E-07	3.00E-06
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	excinuclease ABC subunit A		Vapor Type	Nicotine plus	2.46236904	0.48600887	4.05E-07	7.40E-06
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	excinuclease ABC subunit C		Vapor Type	Nicotine plus	2.26808204	0.5432645	2.98E-05	0.00441318
Genetic Information Processing Replication and repair	ko03032	Nucleotide excision repair	excinuclease ABC subunit B		Vapor Type	Nicotine free	3.18780721	0.57676697	0.00114446	0.013182576
Genetic Information Processing Transcription	ko03032	Basal transcription factors	DNA excision repair protein ERCC 3	EC 3 6 4 12	Biofilm type	Pathogen-rich	2.1196719	0.34555172	8.56E-10	2.07E-08
Genetic Information Processing Transcription	ko03032	Basal transcription factors	DNA excision repair protein ERCC 3	EC 3 6 4 12	Biofilm type	Intermediate	-3.4227606	0.36314454	7.43E-08	1.48E-06
Genetic Information Processing Transcription	ko03000	Transcription factors	AB domain containing zinc finger protein		Vapor Type	Nicotine free	1.84292738	0.45073303	4.34E-05	0.000629546
Genetic Information Processing Transcription	ko03000	Transcription factors	AB domain containing zinc finger protein		Vapor Type	Nicotine plus	1.54099005	0.5079539	0.00062995	0.0077561
Genetic Information Processing Transcription	ko03000	Transcription factors	AB and SCAN domains containing zinc finger protein		Vapor Type	Nicotine plus	3.59745178	1.27572774	0.00469992	0.049274722
Genetic Information Processing Transcription	ko03000	Transcription factors	GntR family transcriptional regulator MoxR family aminotransferase		Vapor Type	Nicotine free	4.49699836	0.37584582	5.42E-33	8.16E-31
Genetic Information Processing Transcription	ko03000	Transcription factors	activator of the mannose operon transcriptional antiterm		Vapor Type	Nicotine free	5.5699375	0.52550799	3.01E-26	3.02E-24
Genetic Information Processing Transcription	ko03000	Transcription factors	lichenan operon transcriptional antiterm		Biofilm type	Pathogen-rich	-2.8235373	0.25070774	2.02E-29	2.48E-27
Genetic Information Processing Transcription	ko03000	Transcription factors	DtxR family transcriptional regulator Min dependent transcr		Vapor Type	Nicotine free	2.3106416	0.09290866	1.57E-136	1.74E-133
Genetic Information Processing Transcription	ko03000	Transcription factors	DtxR family transcriptional regulator Min dependent transcr		Vapor Type	Nicotine plus	1.18454431	0.10126724	1.32E-31	1.86E-29
Genetic Information Processing Transcription	ko03000	Transcription factors	MerR family transcriptional regulator glutamine synthetase		Vapor Type	Nicotine free	3.99691627	0.26704988	1.21E-50	3.74E-48
Genetic Information Processing Transcription	ko03000	Transcription factors	MerR family transcriptional regulator glutamine synthetase		Vapor Type	Nicotine plus	2.91921094	0.27167769	6.25E-27	6.56E-25
Genetic Information Processing Transcription	ko03000	Transcription factors	central glycolytic genes regulator		Vapor Type	Nicotine free	4.81009274	0.38459585	6.85E-36	1.20E-33
Genetic Information Processing Transcription	ko03000	Transcription factors	Fur family transcriptional regulator peroxide stress respons		Vapor Type	Nicotine free	3.30149487	0.17942372	1.30E-75	7.38E-73
Genetic Information Processing Transcription	ko03000	Transcription factors	Fur family transcriptional regulator peroxide stress respons		Vapor Type	Nicotine plus	2.40100843	0.18401959	6.56E-39	1.33E-36
Genetic Information Processing Transcription	ko03000	Transcription factors	competence protein ComX		Vapor Type	Nicotine free	4.09420949	0.32451258	1.71E-36	3.10E-34
Genetic Information Processing Transcription	ko03000	Transcription factors	CRP FNR family transcriptional regulator arginine deiminase		Vapor Type	Nicotine free	5.38674431	0.42006732	1.21E-37	2.31E-35
Genetic Information Processing Transcription	ko03000	Transcription factors	competence protein ComX		Vapor Type	Nicotine plus	3.32070898	0.32760311	3.81E-24	3.36E-22
Genetic Information Processing Transcription	ko03000	Transcription factors	Fur family transcriptional regulator ferric uptake regulator		Vapor Type	Nicotine free	4.47148824	0.44530843	8.35E-24	7.20E-22
Genetic Information Processing Transcription	ko03000	Transcription factors	CRP FNR family transcriptional regulator arginine deiminase		Vapor Type	Nicotine plus	3.65418871	0.22369396	6.01E-13	5.01E-10
Genetic Information Processing Transcription	ko03000	Transcription factors	ArsR family transcriptional regulator lead cadmium zinc bis		Vapor Type	Nicotine free	3.62989851	0.38225906	2.18E-21	1.60E-19
Genetic Information Processing Transcription	ko03000	Transcription factors	transcriptional antiterm		Vapor Type	Nicotine free	4.95581435	0.54994168	2.03E-19	1.28E-17
Genetic Information Processing Transcription	ko03000	Transcription factors	aryl hydrocarbon receptor nuclear translocator like protein 2		Vapor Type	Nicotine plus	4.6274319	0.51876203	4.66E-19	2.82E-17
Genetic Information Processing Transcription	ko03000	Transcription factors	GntR family transcriptional regulator		Vapor Type	Nicotine free	3.90267678	0.44292425	1.24E-18	7.21E-17
Genetic Information Processing Transcription	ko03000	Transcription factors	aryl hydrocarbon receptor nuclear translocator like protein 2		Vapor Type	Nicotine free	4.52992119	0.51901904	2.60E-18	1.46E-16
Genetic Information Processing Transcription	ko03000	Transcription factors	LysR family transcriptional regulator hydrogen peroxide ind		Vapor Type	Nicotine free	4.21175602	0.49067586	9.20E-18	4.96E-16
Genetic Information Processing Transcription	ko03000	Transcription factors	central glycolytic genes regulator		Vapor Type	Nicotine plus	3.33733359	0.38937572	1.11E-17	5.95E-16
Genetic Information Processing Transcription	ko03000	Transcription factors	cold shock protein beta ribonuclease GspA family		Vapor Type	Nicotine free	4.47826752	0.53406482	5.06E-17	2.54E-15
Genetic Information Processing Transcription	ko03000	Transcription factors	beta glucoside operon transcriptional antiterm		Vapor Type	Nicotine free	2.83738995	0.34774483	3.37E-16	1.58E-14
Genetic Information Processing Transcription	ko03000	Transcription factors	lichenan operon transcriptional antiterm		Biofilm type	Intermediate	-4.4551849	0.55389752	8.74E-16	3.97E-14
Genetic Information Processing Transcription	ko03000	Transcription factors	transcriptional antiterm		Vapor Type	Nicotine plus	4.35290346	0.55131511	2.89E-15	1.24E-13
Genetic Information Processing Transcription	ko03000	Transcription factors	transcriptional regulator of stress and heat shock response		Vapor Type	Nicotine free	4.12112334	0.52352042	3.49E-15	1.49E-13
Genetic Information Processing Transcription	ko03000	Transcription factors	DeoR family transcriptional regulator fructose operon trans		Vapor Type	Nicotine free	3.58428594	0.46071368	7.26E-15	2.98E-13
Genetic Information Processing Transcription	ko03000	Transcription factors	GntR family transcriptional regulator trehalose operon trans		Vapor Type	Nicotine free	3.52990439	0.45477175	8.36E-15	3.41E-13
Genetic Information Processing Transcription	ko03000	Transcription factors	purine operon repressor		Vapor Type	Nicotine free	3.8662988	0.51278495	7.77E-14	2.86E-12
Genetic Information Processing Transcription	ko03000	Transcription factors	beta glucoside operon transcriptional antiterm		Biofilm type	Intermediate	-1.550317	0.20774815	8.48E-14	3.12E-12
Genetic Information Processing Transcription	ko03000	Transcription factors	Fur family transcriptional regulator ferric uptake regulator		Vapor Type	Nicotine plus	3.33527099	0.44944661	1.16E-13	4.20E-12
Genetic Information Processing Transcription	ko03000	Transcription factors	LysR family transcriptional regulator hydrogen peroxide ind		Vapor Type	Nicotine plus	3.57388698	0.4930161	4.20E-13	1.42E-11
Genetic Information Processing Transcription	ko03000	Transcription factors	Rrf2 family transcriptional regulator iron sulfur cluster assa		Vapor Type	Nicotine free	4.55360022	0.63155673	5.59E-13	1.87E-11
Genetic Information Processing Transcription	ko03000	Transcription factors	GntR family transcriptional regulator sucrose operon repres		Vapor Type	Nicotine free	3.65418871	0.50753796	6.01E-13	2.00E-11
Genetic Information Processing Transcription	ko03000	Transcription factors	GntR family transcriptional regulator lactose phosphotrans		Vapor Type	Nicotine free	4.30363281	0.60280804	9.45E-13	3.08E-11
Genetic Information Processing Transcription	ko03000	Transcription factors	putative transcriptional regulator		Vapor Type	Nicotine plus	3.15103617	0.52119547	3.21E-12	9.81E-11
Genetic Information Processing Transcription	ko03000	Transcription factors	ArsR family transcriptional regulator lead cadmium zinc bis		Vapor Type	Nicotine plus	2.65167593	0.38637693	6.75E-12	2.00E-10
Genetic Information Processing Transcription	ko03000	Transcription factors	ArsR family transcriptional regulator arsenate arsenite anti		Vapor Type	Nicotine free	5.949044	0.86934024	7.75E-12	2.28E-10
Genetic Information Processing Transcription	ko03000	Transcription factors	beta glucoside operon transcriptional antiterm		Biofilm type	Pathogen-rich	-1.2516355	0.1843094	1.11E-11	3.23E-10
Genetic Information Processing Transcription	ko03000	Transcription factors	BirA family transcriptional regulator biotin operon represso		V					

Genetic Information Processing Transcription	ko03000	Transcription factors		Fur family transcriptional regulator peroxide stress respons	Biofilm type	Intermediate	-0.3913514	0.06900999	1.42E-08	3.06E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		GntR family transcriptional regulator MocR family aminot	Vapor Type	Nicotine plus	2.19230244	0.3884471	1.66E-08	3.56E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		MerR family transcriptional regulator mercuric resistance c	Vapor Type	Nicotine free	2.2764197	0.40356765	1.69E-08	3.61E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		TetR AcrR family transcriptional regulator repressor for qac	Biofilm type	Pathogen-rich	0.44762582	0.0793658	1.70E-08	3.63E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		PaoR family transcriptional regulator regulatory protein Pao	Vapor Type	Nicotine free	3.63293049	0.65233669	2.56E-08	5.34E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		deoxyribonuclease regulator	Biofilm type	Pathogen-rich	-1.9962067	0.36085971	3.17E-08	6.55E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		competence protein ComX	Biofilm type	Pathogen-rich	-0.4607008	0.0840181	3.32E-08	6.84E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator lactose phosphotrans	Vapor Type	Nicotine plus	3.3323481	0.60359609	3.37E-08	6.96E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		purine operon repressor	Vapor Type	Nicotine plus	2.84572015	0.51802483	3.80E-08	8.06E-07
Genetic Information Processing Transcription	ko03000	Transcription factors		deoxyribonuclease regulator	Biofilm type	Intermediate	2.1378242	0.50814889	3.30E-08	1.27E-06
Genetic Information Processing Transcription	ko03000	Transcription factors		cold shock protein beta ribbon CspA family	Vapor Type	Nicotine plus	2.87491736	0.54255235	1.17E-07	2.27E-06
Genetic Information Processing Transcription	ko03000	Transcription factors		LysR family transcriptional regulator transcriptional activat	Biofilm type	Pathogen-rich	0.89297628	0.16891188	1.25E-07	2.41E-06
Genetic Information Processing Transcription	ko03000	Transcription factors		ArsR family transcriptional regulator arsenate arsenite anti	Vapor Type	Nicotine plus	4.40497234	0.87018676	4.15E-07	7.56E-06
Genetic Information Processing Transcription	ko03000	Transcription factors		HTH type transcriptional regulator regulator for ComX	Vapor Type	Nicotine plus	3.03814415	0.60037915	4.18E-07	7.63E-06
Genetic Information Processing Transcription	ko03000	Transcription factors	core	heat inducible transcriptional repressor	Vapor Type	Nicotine plus	2.91127533	0.57779245	4.69E-07	8.49E-06
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator fructose operon trans	Vapor Type	Nicotine plus	2.33242749	0.46313182	5.27E-07	9.50E-06
Genetic Information Processing Transcription	ko03000	Transcription factors	core	glycerol uptake operon antiterminal	Vapor Type	Nicotine free	4.4259918	0.89685598	8.01E-07	1.41E-05
Genetic Information Processing Transcription	ko03000	Transcription factors	core	competence protein ComX	Biofilm type	Intermediate	-0.4023534	0.08194224	9.10E-07	1.60E-05
Genetic Information Processing Transcription	ko03000	Transcription factors		RHH type transcriptional regulator proline utilization regul	Vapor Type	Nicotine free	3.16906594	0.64848235	1.02E-06	1.79E-05
Genetic Information Processing Transcription	ko03000	Transcription factors		CsoR family transcriptional regulator copper sensing transc	Vapor Type	Nicotine plus	4.17900361	0.86790785	1.47E-06	2.53E-05
Genetic Information Processing Transcription	ko03000	Transcription factors		BirA family transcriptional regulator biotin operon repress	Vapor Type	Nicotine plus	2.47338082	0.52078459	2.04E-06	3.45E-05
Genetic Information Processing Transcription	ko03000	Transcription factors		WhiB family transcriptional regulator redox sensing transcr	Biofilm type	Pathogen-rich	-2.2892765	0.48452584	2.30E-06	3.87E-05
Genetic Information Processing Transcription	ko03000	Transcription factors		DtxR family transcriptional regulator Min dependent transcr	Biofilm type	Intermediate	-0.2654439	0.05733683	3.66E-06	5.99E-05
Genetic Information Processing Transcription	ko03000	Transcription factors		putative transcriptional regulator	Vapor Type	Nicotine plus	2.07063661	0.58466716	6.29E-06	0.000100563
Genetic Information Processing Transcription	ko03000	Transcription factors		LysR family transcriptional regulator cys regulon transcripti	Vapor Type	Nicotine free	4.22883314	0.94060227	6.93E-06	0.000110192
Genetic Information Processing Transcription	ko03000	Transcription factors		transcriptional regulator of arginine metabolism	Vapor Type	Nicotine plus	2.57524693	0.57638347	7.90E-06	0.0001249
Genetic Information Processing Transcription	ko03000	Transcription factors		redox sensing transcriptional repressor	Vapor Type	Nicotine plus	2.3749126	0.53743678	9.92E-06	0.000155098
Genetic Information Processing Transcription	ko03000	Transcription factors		Fur family transcriptional regulator peroxide stress respons	Biofilm type	Pathogen-rich	-0.291053	0.06701756	1.41E-05	0.000215875
Genetic Information Processing Transcription	ko03000	Transcription factors		Dna suppressor protein	Vapor Type	Nicotine free	2.88417635	0.67383873	1.80E-05	0.00023081
Genetic Information Processing Transcription	ko03000	Transcription factors		Lrp-AsnC family transcriptional regulator leucine responsive	Vapor Type	Nicotine free	3.16711326	0.72488591	2.04E-05	0.000307192
Genetic Information Processing Transcription	ko03000	Transcription factors		transcriptional antiterminal	Vapor Type	Nicotine free	6.41025889	1.51902284	2.44E-05	0.000364537
Genetic Information Processing Transcription	ko03000	Transcription factors	core	LysR family transcriptional regulator regulator for metE and	Vapor Type	Nicotine free	3.56974396	0.85713809	3.12E-05	0.000459975
Genetic Information Processing Transcription	ko03000	Transcription factors	core	TrtR AcrR family transcriptional regulator acRAB operon res	Vapor Type	Nicotine plus	1.78211199	0.43262455	3.80E-05	0.000558818
Genetic Information Processing Transcription	ko03000	Transcription factors	core	AraC family transcriptional regulator	Vapor Type	Nicotine plus	1.91815833	0.46801864	4.16E-05	0.000606299
Genetic Information Processing Transcription	ko03000	Transcription factors		beta glucoside operon transcriptional antiterminal	Vapor Type	Nicotine plus	1.52394914	0.37298446	4.39E-05	0.000636463
Genetic Information Processing Transcription	ko03000	Transcription factors		transcriptional repressor NdrR	Vapor Type	Nicotine free	2.56474005	0.63721111	5.70E-05	0.000814086
Genetic Information Processing Transcription	ko03000	Transcription factors		transcriptional pleiotropic repressor	Vapor Type	Nicotine plus	2.21816712	0.55511865	6.45E-05	0.00091524
Genetic Information Processing Transcription	ko03000	Transcription factors	core	Lact family transcriptional regulator sucrose operon repress	Vapor Type	Nicotine plus	2.35208472	0.59616871	7.97E-05	0.00111917
Genetic Information Processing Transcription	ko03000	Transcription factors		LysR family transcriptional regulator cys regulon transcripti	Vapor Type	Nicotine plus	3.71434777	0.94389724	8.32E-05	0.001164718
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator aga operon transcript	Vapor Type	Nicotine free	1.85815358	0.47558788	9.34E-05	0.001298042
Genetic Information Processing Transcription	ko03000	Transcription factors		GntR family transcriptional regulator	Biofilm type	Pathogen-rich	0.59697964	0.15552921	0.00012385	0.001694743
Genetic Information Processing Transcription	ko03000	Transcription factors		LysR family transcriptional regulator regulator for metE and	Vapor Type	Nicotine plus	3.27300249	0.86001545	0.00014385	0.001922223
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator aga operon transcript	Biofilm type	Intermediate	-2.1401605	0.5646074	0.00015033	0.00203769
Genetic Information Processing Transcription	ko03000	Transcription factors		putative transcriptional regulator	Vapor Type	Nicotine free	3.1189963	0.83039887	0.00012264	0.002321198
Genetic Information Processing Transcription	ko03000	Transcription factors		RpfR family transcriptional regulator glv operon transcripti	Biofilm type	Pathogen-rich	0.54807308	0.14665374	0.00018609	0.002493774
Genetic Information Processing Transcription	ko03000	Transcription factors		Lact family transcriptional regulator	Vapor Type	Nicotine plus	1.67152473	0.44726518	0.00018607	0.002493774
Genetic Information Processing Transcription	ko03000	Transcription factors		RpfR family transcriptional regulator carbohydrate utilizat	Vapor Type	Nicotine free	2.98148402	0.80400615	0.00020829	0.002769322
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator aga operon transcript	Biofilm type	Pathogen-rich	-1.7759404	0.48140425	0.00022506	0.002979525
Genetic Information Processing Transcription	ko03000	Transcription factors	core	PadrR family transcriptional regulator regulatory protein Pao	Vapor Type	Nicotine plus	2.407163	0.65335384	0.00022867	0.003023081
Genetic Information Processing Transcription	ko03000	Transcription factors	core	HTH type transcriptional regulator glycine betaine synthet	Biofilm type	Pathogen-rich	0.48547767	0.13210737	0.00025402	0.003371787
Genetic Information Processing Transcription	ko03000	Transcription factors	core	HTH type transcriptional regulator glycine betaine synthet	Biofilm type	Nicotine free	7.06421023	1.9391295	0.0002695	0.00353185
Genetic Information Processing Transcription	ko03000	Transcription factors	core	WhiB family transcriptional regulator redox sensing transcr	Biofilm type	Intermediate	-0.4033527	0.11136954	0.00029279	0.003821165
Genetic Information Processing Transcription	ko03000	Transcription factors	core	GntR family transcriptional regulator transcriptional repres	Vapor Type	Nicotine free	2.61718583	0.73946072	0.00040116	0.005127512
Genetic Information Processing Transcription	ko03000	Transcription factors	core	MerR family transcriptional regulator glutamine synthetase	Biofilm type	Pathogen-rich	-0.2636797	0.07454976	0.0004048	0.005167198
Genetic Information Processing Transcription	ko03000	Transcription factors		MerR family transcriptional regulator mercuric resistance c	Vapor Type	Nicotine plus	1.47662319	0.42109961	0.00045389	0.005750424
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator carbon catabolite rep	Vapor Type	Nicotine plus	1.74286074	0.50018609	0.0004952	0.006020909
Genetic Information Processing Transcription	ko03000	Transcription factors		putative transcriptional regulator	Vapor Type	Nicotine free	2.26123992	0.6542877	0.00054819	0.006836258
Genetic Information Processing Transcription	ko03000	Transcription factors		MarR family transcriptional regulator global regulator for v	Vapor Type	Nicotine free	3.41046848	0.98869419	0.00055417	0.006901117
Genetic Information Processing Transcription	ko03000	Transcription factors		Card family transcriptional regulator	Biofilm type	Pathogen-rich	-2.4854082	0.72397361	0.00059692	0.00738183
Genetic Information Processing Transcription	ko03000	Transcription factors	core	MerR family transcriptional regulator glutamine synthetase	Biofilm type	Intermediate	-0.2515697	0.07429606	0.00070909	0.008652595
Genetic Information Processing Transcription	ko03000	Transcription factors		Fur family transcriptional regulator ferric uptake regulator	Biofilm type	Intermediate	-0.600127	0.17763698	0.00072912	0.00888775
Genetic Information Processing Transcription	ko03000	Transcription factors		LysR family transcriptional regulator cys regulon transcripti	Biofilm type	Pathogen-rich	2.13988197	0.63691345	0.00078008	0.009471071
Genetic Information Processing Transcription	ko03000	Transcription factors		MarR family transcriptional regulator teicoplanin associate	Biofilm type	Pathogen-rich	0.40434943	0.1221131	0.0009275	0.011111659
Genetic Information Processing Transcription	ko03000	Transcription factors		Fur family transcriptional regulator zinc uptake regulator	Vapor Type	Nicotine free	5.74008816	1.73645425	0.00094761	0.011347355
Genetic Information Processing Transcription	ko03000	Transcription factors		MerR family transcriptional regulator heat shock protein Hsp	Biofilm type	Pathogen-rich	-2.3298223	0.70955962	0.00102535	0.012212597
Genetic Information Processing Transcription	ko03000	Transcription factors		lichenan operon transcriptional antiterminal	Vapor Type	Nicotine free	7.31709842	2.23889888	0.00108246	0.012824019
Genetic Information Processing Transcription	ko03000	Transcription factors		GntR family transcriptional regulator trehalose operon tran	Biofilm type	Intermediate	-0.7281819	0.22597725	0.00127136	0.014876764
Genetic Information Processing Transcription	ko03000	Transcription factors		RpfR family transcriptional regulator glv operon transcripti	Vapor Type	Nicotine free	7.16585532	2.23902053	0.00137217	0.015965325
Genetic Information Processing Transcription	ko03000	Transcription factors		RpfR family transcriptional regulator carbohydrate utilizat	Biofilm type	Pathogen-rich	2.41074628	0.60014864	0.00144887	0.017670022
Genetic Information Processing Transcription	ko03000	Transcription factors	core	RpfR family transcriptional regulator carbohydrate utilizat	Biofilm type	Nicotine free	2.58152076	0.81102837	0.0014591	0.018691451
Genetic Information Processing Transcription	ko03000	Transcription factors	core	TrtR AcrR family transcriptional regulator ethanamide res	Biofilm type	Pathogen-rich	-2.382256	0.58659528	0.00168898	0.019364039
Genetic Information Processing Transcription	ko03000	Transcription factors	core	OtxR family transcriptional regulator Mn dependent transcr	Biofilm type	Pathogen-rich	-0.1743311	0.05590631	0.00189195	0.020731603
Genetic Information Processing Transcription	ko03000	Transcription factors	core	Rrf2 family transcriptional regulator nitric oxide sensitive t	Vapor Type	Nicotine free	2.9567773	0.95672567	0.00199808	0.022606473
Genetic Information Processing Transcription	ko03000	Transcription factors	core	GntR family transcriptional regulator trehalose operon tran	Biofilm type	Pathogen-rich	-0.6906095	0.22467401	0.0021133	0.023819134
Genetic Information Processing Transcription	ko03000	Transcription factors		TrtR AcrR family transcriptional regulator	Vapor Type	Nicotine free	2.94049314	0.9574982	0.00213331	0.024019232
Genetic Information Processing Transcription	ko03000	Transcription factors		Dna suppressor protein	Vapor Type	Nicotine plus	2.095897	0.68662729	0.00226965	0.025415077
Genetic Information Processing Transcription	ko03000	Transcription factors		ArsR family transcriptional regulator zinc responsive transcr	Biofilm type	Nicotine free	5.38187895	1.77960911	0.00242988	0.027711845
Genetic Information Processing Transcription	ko03000	Transcription factors		LysR family transcriptional regulator regulator for metE and	Biofilm type	Pathogen-rich	1.81812146	0.60587812	0.00269268	0.029825902
Genetic Information Processing Transcription	ko03000	Transcription factors		glycerol uptake operon antiterminal	Biofilm type	Pathogen-rich	0.67456285	0.2277022	0.00305173	0.033469236
Genetic Information Processing Transcription	ko03000	Transcription factors		GntR family transcriptional regulator	Vapor Type	Nicotine free	7.16339711	2.44123354	0.00334263	0.036397546
Genetic Information Processing Transcription	ko03000	Transcription factors		transcriptional antiterminal	Vapor Type	Nicotine plus	4.47171916	1.52642294	0.00339463	0.036903403
Genetic Information Processing Transcription	ko03000	Transcription factors		GntR family transcriptional regulator transcriptional repres	Vapor Type	Nicotine plus	2.18876177	0.74790354	0.00342767	0.037201941
Genetic Information Processing Transcription	ko03000	Transcription factors		DeoR family transcriptional regulator glycerol 3 phosphate	Vapor Type	Nicotine free	2.43030273	0.84607187	0.00407297	0.04347236
Genetic Information Processing Transcription	ko03000	Transcription factors		MarR family transcriptional regulator negative regulator of	Vapor Type	Nicotine free	2.66483422	0.93577658	0.0044033	0.046586347
Genetic Information Processing Transcription	ko03000	Transcription factors		Card family transcriptional regulator	Biofilm type	Intermediate	-3.7339041	1.31360775	0.0044764	0.047237897
Genetic Information Processing Transcription	ko03021	Transcription machinery	core	transcriptional antiterminal NusG	Vapor Type	Nicotine free	4.45878856	0.42154276	3.80E-26	3.80E-24
Genetic Information Processing Transcription	ko03021	Transcription machinery	core	RNA polymerase primary sigma factor	Vapor Type	Nicotine free	3.09202615	0.21482302	5.70E-47	1.52E-44
Genetic Information Processing Transcription	ko03021	Transcription machinery	core	N utilization substance protein B	Vapor Type	Nicotine free	3.39539475	0.19574783	2.12E-67	1.01E-64
Genetic Information Processing Transcription	ko03021	Transcription machinery	core	N utilization substance protein B	Vapor Type	Nicotine plus	2.41074628	0.20088639	3.05E-33	4.63E-31
Genetic Information Processing Transcription	ko03021	Transcription machinery		transcription termination factor Rho	Vapor Type	Nicotine free	3.94279624	0.40557939	6.96E-23	5.64E-21
Genetic Information Processing Transcription	ko03021	Transcription machinery		RNA polymerase superoxide specific sigma factor	Vapor Type	Nicotine free	4.61920664	0.51436529	2.70E-19	1.67E-17
Genetic Information Processing Transcription	ko03021	Transcription machinery		RNA polymerase primary sigma factor	Vapor Type	Nicotine plus	1.9088053	0.21638082	1.13E-18	6.62E-17
Genetic Information Processing Transcription	ko03021	Transcription machinery		transcriptional antiterminal NusG	Vapor Type	Nicotine plus	3.36938571	0.42248959	1.52E-15	6.73E-14
Genetic Information Processing Transcription	ko03021	Transcription machinery		phosphoserine phosphatase RsbU P EC 3 1 3 3	Vapor Type	Nicotine free	5.42147143	0.69584125	6.64E-15	2.74E-13
Genetic Information Processing Transcription	ko03021	Transcription machinery		N utilization substance protein A	Vapor Type	Nicotine free	3.66697206	0.48155983	2.64E-14	1.02E-12
Genetic Information Processing Transcription	ko03021	Transcription machinery		transcription elongation factor GreA	Vapor Type	Nicotine free	3.53470983	0.49158402	6.46E-13	2.14E-11
Genetic Information Processing Transcription	ko03021	Transcription machinery		RNA polymerase superoxide specific sigma factor	Vapor Type	Nicotine plus	3.39507938	0.51755017	5.38E-11	1.46E-09
Genetic Information Processing Transcription	ko03021	Trans								

Genetic Information Processing Transcription	ko03021	Transcription machinery		sigma E factor negative regulatory protein RseA	Vapor Type	Nicotine free	2.14787655	0.69855778	0.00210693	0.023752329
Genetic Information Processing Transcription	ko03021	Transcription machinery		sigma E factor negative regulatory protein RseA	Biofilm type	Pathogen-rich	1.93177467	0.6364871	0.0024049	0.026839047
Genetic Information Processing Transcription	ko03021	Transcription machinery		RNA polymerase sigma 70 factor ECF subfamily	Vapor Type	Nicotine plus	1.32159125	0.44808595	0.00318377	0.034812528
Genetic Information Processing Transcription	ko03021	Transcription machinery		anti sigma B factor antagonist	Biofilm type	Pathogen-rich	0.5321347	0.18138782	0.00334964	0.036466423
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis	core	aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Vapor Type	Nicotine free	2.69354654	0.07621904	1.45E-273	3.36E-270
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis	core	aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Vapor Type	Nicotine plus	1.61896631	0.08074108	1.97E-89	1.38E-86
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Biofilm type	Intermediate	-0.4108094	0.40053429	3.87E-24	3.41E-22
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Vapor Type	Nicotine free	3.13807744	0.42170842	9.97E-14	3.62E-12
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		methionyl tRNA synthetase EC 6 1 1 10	Vapor Type	Nicotine free	2.9093828	0.52840831	3.67E-08	7.55E-07
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Vapor Type	Nicotine free	3.72478331	0.70162770	1.10E-07	2.16E-06
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Vapor Type	Nicotine plus	2.14278646	0.42434436	4.43E-07	8.03E-06
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Biofilm type	Pathogen-rich	-0.1706178	0.03784531	6.54E-06	0.00010428
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		seryl tRNA synthetase EC 6 1 1 11	Vapor Type	Nicotine free	2.68579368	0.60058109	7.75E-06	0.000122629
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis		aspartyl tRNA Asn glutamyl tRNA Gln amidotransferase su	Vapor Type	Nicotine plus	2.5868011	0.70202066	0.00022889	0.003024161
Genetic Information Processing Translation	ko00970	Aminoacyl tRNA biosynthesis	core	methionyl tRNA synthetase EC 6 1 1 10	Vapor Type	Nicotine plus	1.75392864	0.52886462	0.00091184	0.010938793
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis	core	polypophosphate inase EC 2 7 4 1	Vapor Type	Nicotine free	4.48244214	0.33096734	8.66E-42	1.92E-39
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis	core	ATP dependent RNA helicase DeaD EC 3 6 4 13	Vapor Type	Nicotine free	3.18046325	0.22960579	1.24E-43	2.95E-41
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		polypophosphate inase EC 2 7 4 1	Vapor Type	Nicotine plus	3.25268695	0.33258106	1.37E-22	1.10E-20
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		ATP dependent RNA helicase DeaD EC 3 6 4 13	Vapor Type	Nicotine plus	2.08311404	0.23071495	1.73E-19	1.09E-17
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		polypribonucleotide nucleotidyltransferase EC 2 7 7 8	Vapor Type	Nicotine free	3.52358292	0.46188182	2.37E-14	9.22E-13
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		ribonuclease Y EC 3 1	Vapor Type	Nicotine free	3.83047584	0.53485701	7.97E-13	2.61E-11
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		RNase adapter protein RapZ	Vapor Type	Nicotine free	3.04693929	0.54631221	2.44E-08	5.11E-07
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		polypribonucleotide nucleotidyltransferase EC 2 7 7 8	Vapor Type	Nicotine plus	2.44686931	0.46227255	1.20E-07	2.34E-06
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		ribonuclease Y EC 3 1	Vapor Type	Nicotine plus	2.67142963	0.53548952	6.08E-07	1.09E-05
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		3 5 exoribonuclease EC 3 1	Vapor Type	Nicotine free	3.14142705	0.69471359	6.13E-06	9.81E-05
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		RNase adapter protein RapZ	Vapor Type	Nicotine plus	1.99463877	0.5471432	0.00026682	0.003498438
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		host factor I protein	Vapor Type	Nicotine free	4.82940373	1.39176361	0.00052048	0.006512054
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		host factor I protein	Biofilm type	Pathogen-rich	1.07808971	0.34259576	0.00165052	0.018968036
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		polyA polymerase EC 2 7 7 19	Vapor Type	Nicotine free	2.04805393	0.66779384	0.00216294	0.024311806
Genetic Information Processing Translation	ko03019	Messenger RNA Biogenesis		3 5 exoribonuclease EC 3 1	Vapor Type	Nicotine plus	2.02021837	0.52849771	0.00367478	0.039641779
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	leucyl tRNA synthetase EC 6 1 1 4	Vapor Type	Nicotine free	3.00016443	0.16460913	3.78E-74	2.08E-71
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	leucyl tRNA synthetase EC 6 1 1 4	Vapor Type	Nicotine plus	1.87477653	0.16575983	1.17E-29	1.46E-27
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	elongation factor G	Vapor Type	Nicotine free	4.80810376	0.41473599	4.46E-31	6.05E-29
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	large subunit ribosomal protein L32	Vapor Type	Nicotine free	3.55999721	0.2958122	2.34E-33	3.60E-31
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	metallothionein 3	Vapor Type	Nicotine plus	3.98761558	0.36217831	3.42E-28	3.91E-26
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	metallothionein 3	Vapor Type	Nicotine free	3.76902531	0.36297761	2.94E-25	2.80E-23
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		ATP binding protein involved in chromosome partitioning	Vapor Type	Nicotine free	5.40336944	0.53209705	3.15E-24	2.81E-22
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis	core	molecular chaperone DnaJ	Vapor Type	Nicotine free	3.89887299	0.38402686	3.23E-24	2.86E-22
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		outer membrane protein insertion porin family	Vapor Type	Nicotine free	4.02363625	0.4710968	1.33E-17	7.05E-16
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		elongation factor Tu	Vapor Type	Nicotine free	4.43053001	0.51885629	1.35E-17	7.17E-16
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		elongation factor G	Vapor Type	Nicotine plus	3.45993032	0.41501459	7.63E-17	3.75E-15
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		tyrosyl tRNA synthetase EC 6 1 1 1	Vapor Type	Nicotine free	3.81991036	0.4617399	1.31E-16	6.34E-15
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		large subunit ribosomal protein L32	Vapor Type	Nicotine plus	2.42727922	0.30248464	1.02E-15	4.60E-14
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		molecular chaperone DnaJ	Vapor Type	Nicotine plus	2.82827815	0.38505199	2.05E-13	7.16E-12
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		outer membrane protein insertion porin family	Vapor Type	Nicotine plus	3.24613986	0.47194583	6.06E-12	1.80E-10
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		elongation factor Tu	Vapor Type	Nicotine plus	3.38867742	0.51912202	6.68E-11	1.79E-09
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		ATP binding protein involved in chromosome partitioning	Vapor Type	Nicotine plus	3.40989446	0.53821121	2.36E-10	6.00E-09
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		GTPase	Vapor Type	Nicotine free	3.30644476	0.52346052	2.74E-10	6.89E-09
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		elongation factor Ts	Vapor Type	Nicotine free	3.53308523	0.56729105	8.44E-10	1.20E-08
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		molecular chaperone GrpE	Vapor Type	Nicotine plus	3.17814174	0.5287009	1.84E-09	4.33E-08
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		tyrosyl tRNA synthetase EC 6 1 1 1	Vapor Type	Nicotine plus	2.73683051	0.46239019	3.24E-09	7.44E-08
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		cysteine desulfurase EC 2 8 1 7	Vapor Type	Nicotine free	2.55829606	0.46960402	5.12E-08	1.04E-06
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		elongation factor Ts	Vapor Type	Nicotine plus	2.49771306	0.56779831	1.09E-05	0.00016888
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		GTPase	Vapor Type	Nicotine plus	2.24973628	0.52438427	1.78E-05	0.000270465
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		molecular chaperone GrpE	Vapor Type	Nicotine plus	2.26137444	0.53028288	2.00E-05	0.000301598
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		cysteine desulfurase EC 2 8 1 7	Vapor Type	Nicotine plus	1.44201106	0.47034358	0.0021704	0.024389993
Genetic Information Processing Translation	ko03029	Mitochondrial biogenesis		molecular chaperone HtpG	Vapor Type	Nicotine free	1.04172316	0.35319941	0.00318401	0.034812528
Genetic Information Processing Translation	ko03015	mRNA surveillance pathway		protein SMG7	Vapor Type	Nicotine plus	-3.998791	1.01602395	8.29E-05	0.001162158
Genetic Information Processing Translation	ko03015	mRNA surveillance pathway		protein SMG7	Vapor Type	Nicotine free	-4.2314074	1.13894906	0.00020305	0.002702931
Genetic Information Processing Translation	ko03015	mRNA surveillance pathway		protein SMG7	Biofilm type	Intermediate	4.4766553	1.27885704	0.00046636	0.005867784
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L10	Vapor Type	Nicotine free	4.43063069	0.42667129	2.93E-25	2.79E-23
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L14	Vapor Type	Nicotine free	3.71087625	0.19587252	4.82E-80	3.06E-77
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L14	Vapor Type	Nicotine plus	2.63400312	0.20034631	1.76E-39	3.65E-37
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L15	Vapor Type	Nicotine free	4.46226953	0.31514065	1.63E-45	4.08E-43
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L15	Vapor Type	Nicotine plus	3.39593641	0.3185449	1.55E-26	1.60E-24
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L16	Vapor Type	Nicotine free	4.59255328	0.2637063	6.30E-68	3.03E-65
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L16	Vapor Type	Nicotine plus	3.46944303	0.26634332	3.68E-39	1.75E-36
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L17	Vapor Type	Nicotine free	3.6980895	0.62930142	6.63E-45	1.64E-42
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L18	Vapor Type	Nicotine free	4.68922613	0.35462282	5.26E-38	1.02E-35
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L2	Vapor Type	Nicotine free	4.53127237	0.30682893	1.54E-69	3.46E-104
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L2	Vapor Type	Nicotine plus	3.51959916	0.20718083	1.01E-64	4.67E-62
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L22	Vapor Type	Nicotine free	4.58080422	0.38084874	2.54E-33	3.90E-31
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L23	Vapor Type	Nicotine free	4.55140846	0.35684247	2.94E-37	5.49E-35
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L24	Vapor Type	Nicotine free	4.12020397	0.26174824	7.91E-56	2.93E-53
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L24	Vapor Type	Nicotine plus	2.97192639	0.26537424	4.12E-29	5.01E-27
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L28	Vapor Type	Nicotine free	3.18967334	0.23736561	3.63E-41	7.93E-39
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L29	Vapor Type	Nicotine free	4.43082341	0.40943216	2.71E-27	2.91E-25
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L3	Vapor Type	Nicotine free	3.73318271	0.20935611	4.01E-71	2.03E-68
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L3	Vapor Type	Nicotine plus	2.70272064	0.21308345	7.27E-37	1.33E-34
Genetic Information Processing Translation	ko03010	Ribosome	core	large subunit ribosomal protein L30	Vapor Type	Nicotine free	4.35982393	0.36084482	1.31E-33	2.04E-31
Genetic Information Processing Translation	ko03010	Ribosome		large subunit ribosomal protein L4	Vapor Type	Nicotine free	3.77905519	0.22885709	2.97E-61	1.28E-58
Genetic Information Processing Translation	ko03010	Ribosome		large subunit ribosomal protein L4	Vapor Type	Nicotine plus	2.81926766	0.23293789	1.02E-33	1.59E-31
Genetic Information Processing Translation	ko03010	Ribosome		large subunit ribosomal protein L5	Vapor Type	Nicotine free	4.19397961	0.32538701	5.18E-38	1.01E-35
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S1	Vapor Type	Nicotine free	3.74216577	0.31132509	2.79E-33	4.26E-31
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S10	Vapor Type	Nicotine free	3.60075606	0.32309526	7.61E-29	9.04E-27
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S11	Vapor Type	Nicotine free	3.78880746	0.20886865	1.55E-73	8.43E-71
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S11	Vapor Type	Nicotine plus	2.6963885	0.21339719	1.34E-36	2.44E-34
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S12	Vapor Type	Nicotine free	3.99095161	0.2647937	2.48E-51	8.01E-49
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S12	Vapor Type	Nicotine plus	2.83158976	0.26787885	4.95E-26	4.07E-24
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S13	Vapor Type	Nicotine free	3.64220744	0.20683293	1.09E-69	1.03E-66
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S13	Vapor Type	Nicotine plus	2.68741384	0.20990684	1.58E-37	2.09E-35
Genetic Information Processing Translation	ko03010	Ribosome	core	small subunit ribosomal protein S14	Vapor Type	Nicotine free	3.82349704	0.28134947	4.60E-42	1.03E-39
Genetic Information Processing Translation	ko03010	Ribosome	core	small subunit ribosomal protein S17	Vapor Type	Nicotine free	3.8515033	0.27802952	1.22E-43	2.92E-41
Genetic Information Processing Translation	ko03010	Ribosome	core	small subunit ribosomal protein S18	Vapor Type	Nicotine free	3.54430075	0.31091023	4.19E-30	5.47E-28
Genetic Information Processing Translation	ko03010	Ribosome	core	small subunit ribosomal protein S19	Vapor Type	Nicotine free	4.6124549	0.3613946	2.64E-37	4.96E-35
Genetic Information Processing Translation	ko03010	Ribosome	core	small subunit ribosomal protein S3	Vapor Type	Nicotine free	3.4249932	0.32075314	1.29E-26	1.34E-24
Genetic Information Processing Translation	ko03010	Ribosome		small subunit ribosomal protein S5	Vapor Type	Nicotine free	4.72015376	0.27794619	1.11	

Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L1	Vapor Type	Nicotine free	4.29513207	0.47199676	9.04E-20	5.84E-18
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L36	Vapor Type	Nicotine free	3.74783951	0.41659375	2.33E-19	1.46E-17
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L22	Vapor Type	Nicotine plus	3.44714679	0.38457275	3.14E-19	1.93E-17
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L30	Vapor Type	Nicotine plus	3.25168929	0.36543449	5.68E-19	3.42E-17
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S1	Vapor Type	Nicotine plus	2.75647234	0.31274213	1.21E-18	7.06E-17
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S21	Vapor Type	Nicotine free	4.63581267	0.52797166	1.63E-18	9.30E-17
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L6	Vapor Type	Nicotine free	3.32126261	0.38361587	4.81E-18	2.66E-16
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S9	Vapor Type	Nicotine free	3.47123906	0.41237377	3.84E-17	1.95E-15
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L28	Vapor Type	Nicotine plus	2.00167843	0.24783985	6.67E-16	3.06E-14
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L29	Vapor Type	Nicotine plus	3.31466589	0.41311116	1.03E-15	4.63E-14
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L34	Vapor Type	Nicotine free	3.93389345	0.49343990	1.56E-15	6.87E-14
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S18	Vapor Type	Nicotine plus	2.53442092	0.31842669	1.74E-15	7.61E-14
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L20	Vapor Type	Nicotine free	2.14119941	0.27494178	6.82E-15	2.81E-13
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L19	Vapor Type	Nicotine free	3.2488761	0.41756566	7.22E-15	2.97E-13
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S14	Vapor Type	Nicotine plus	2.25166653	0.29260172	1.41E-14	5.64E-13
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L33	Vapor Type	Nicotine free	3.15987482	0.41093007	1.48E-14	5.87E-13
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S10	Vapor Type	Nicotine plus	2.48441639	0.32709765	3.07E-14	1.17E-12
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S4	Vapor Type	Nicotine plus	3.1444296	0.41966557	6.75E-14	2.50E-12
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L25	Vapor Type	Nicotine free	3.58988223	0.48334283	1.11E-13	4.02E-12
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S3	Vapor Type	Nicotine plus	2.39276898	0.32224202	1.12E-13	4.07E-12
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L10	Vapor Type	Nicotine plus	3.13097328	0.42846368	2.72E-13	9.41E-12
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L35	Vapor Type	Nicotine free	2.26084236	0.31067822	3.41E-13	1.17E-11
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L7 L12	Vapor Type	Nicotine plus	2.53503854	0.35257324	6.47E-13	2.15E-11
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L13	Vapor Type	Nicotine plus	3.08279599	0.42911972	6.77E-13	2.24E-11
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S6	Vapor Type	Nicotine plus	3.13616929	0.43670939	6.90E-13	2.28E-11
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L9	Vapor Type	Nicotine free	3.60099617	0.53001575	1.09E-11	3.16E-10
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L27	Vapor Type	Nicotine free	3.05108957	0.45180928	1.45E-11	4.14E-10
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S21	Vapor Type	Nicotine plus	3.5445476	0.53106242	2.48E-11	6.97E-10
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L1	Vapor Type	Nicotine plus	3.148846	0.47316883	2.84E-11	7.92E-10
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L21	Vapor Type	Nicotine plus	3.17511109	0.51006802	7.81E-11	2.08E-09
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L4	Biofilm type	Intermediate	0.4695259	0.07316029	1.38E-10	3.59E-09
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L11	Vapor Type	Nicotine plus	2.72808155	0.42681169	1.64E-10	4.24E-09
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L7A	Vapor Type	Nicotine free	4.51670258	0.1765501	3.10E-10	7.78E-09
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S19	Biofilm type	Intermediate	0.4780556	0.07741362	6.60E-10	1.61E-08
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L36	Vapor Type	Nicotine plus	2.58821768	0.42378962	1.01E-09	2.44E-08
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S9	Vapor Type	Nicotine plus	2.49737111	0.41447162	1.69E-09	3.98E-08
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L6	Vapor Type	Nicotine plus	2.32336837	0.38571451	1.71E-09	4.02E-08
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L14	Biofilm type	Intermediate	-0.3872049	0.0648626	2.38E-09	5.55E-08
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L2	Biofilm type	Intermediate	-0.2526738	0.04440857	1.27E-08	2.75E-07
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L40e	Vapor Type	Nicotine plus	-4.717299	0.83694037	1.74E-08	3.70E-07
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L31	Vapor Type	Nicotine free	2.9034192	0.51697553	1.93E-08	4.10E-07
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L17	Intermediate	Intermediate	-0.4669576	0.08686484	7.63E-08	1.52E-06
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L34	Vapor Type	Nicotine plus	2.66470712	0.50143345	1.07E-07	2.10E-06
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L19	Vapor Type	Nicotine plus	2.21389095	0.42055574	1.30E-07	2.52E-06
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L40e	Vapor Type	Nicotine free	-4.9456738	0.93700823	1.30E-07	2.52E-06
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S11	Biofilm type	Intermediate	-0.3527211	0.0670451	1.43E-07	2.75E-06
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L33	Vapor Type	Nicotine plus	2.09736005	0.41495089	4.30E-07	7.82E-06
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L15	Biofilm type	Intermediate	-0.366707	0.07366943	6.43E-07	1.15E-05
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S2	Vapor Type	Nicotine free	3.13665023	0.63210135	6.97E-07	1.24E-05
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein S15	Vapor Type	Nicotine free	2.72413846	0.51616802	7.98E-07	4.11E-05
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S20	Vapor Type	Nicotine free	3.04822878	0.63359871	1.50E-06	2.58E-05
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S16	Vapor Type	Nicotine free	2.26772225	0.48147811	2.48E-06	4.15E-05
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L9	Vapor Type	Nicotine plus	2.48337044	0.53115852	2.93E-06	4.86E-05
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L21	Vapor Type	Nicotine plus	2.3791517	0.51212767	3.39E-06	5.57E-05
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L27	Vapor Type	Nicotine plus	2.04946358	0.45453983	6.52E-06	0.000104026
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L25	Vapor Type	Nicotine plus	2.2221964	0.4978076	8.04E-06	0.000126987
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L28	Biofilm type	Intermediate	-0.4050898	0.10224184	1.07E-05	0.000166598
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L7A	Vapor Type	Nicotine plus	3.19587879	0.72667739	1.09E-05	0.000169418
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L20	Vapor Type	Nicotine plus	1.21669952	0.27888473	1.28E-05	0.000197799
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L40e	Biofilm type	Intermediate	5.6235588	1.32289128	2.12E-05	0.000137632
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L2	Biofilm type	Pathogen-rich	-0.1723815	0.04343476	7.23E-05	0.001019286
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S14	Biofilm type	Intermediate	-0.3825013	0.0895689	0.00011094	0.001527851
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L30	Biofilm type	Intermediate	-0.3285276	0.08645522	0.00014471	0.001966064
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L23	Biofilm type	Intermediate	-0.4074347	0.11048422	0.00022627	0.002994607
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L31	Vapor Type	Nicotine plus	1.86865949	0.5200638	0.00032672	0.004241116
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S8	Biofilm type	Intermediate	-0.2699238	0.07681295	0.00044135	0.005607497
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S2	Vapor Type	Nicotine plus	2.1951707	0.63252576	0.00051952	0.006505157
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L18	Biofilm type	Intermediate	-0.2631928	0.07633603	0.00056513	0.007024562
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S18	Biofilm type	Intermediate	-0.3737027	0.10847575	0.00058714	0.007881373
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L35	Vapor Type	Nicotine free	0.07323366	0.31617607	0.00058871	0.0081074
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L16	Biofilm type	Intermediate	-0.2697417	0.08345311	0.00123818	0.01406828
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S15	Vapor Type	Nicotine plus	1.73827799	0.5644576	0.0020721	0.023400656
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S5	Biofilm type	Intermediate	-0.273406	0.09019725	0.00243583	0.027144667
Genetic Information Processing Translation	ko03010	Ribosome	small subunit ribosomal protein S19	Biofilm type	Pathogen-rich	-0.2169708	0.07171775	0.00248351	0.027618022
Genetic Information Processing Translation	ko03010	Ribosome	large subunit ribosomal protein L3	Biofilm type	Intermediate	-0.3473847	0.11742531	0.00302995	0.03388167
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA pseudouridine1911 1915 1917 synthase EC 5 4 9 9	Vapor Type	Nicotine free	2.94381795	0.18143288	3.34E-59	1.36E-56
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA pseudouridine1911 1915 1917 synthase EC 5 4 9 9	Vapor Type	Nicotine plus	1.93522284	0.18237854	2.65E-26	2.68E-24
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA cytosine1962 C5 methyltransferase EC 2 1 1 191	Vapor Type	Nicotine free	1.73540537	0.05744598	1.79E-200	2.97E-197
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	RNA binding protein	Vapor Type	Nicotine free	3.08961296	0.19763647	4.35E-55	1.55E-52
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	RNA binding protein	Vapor Type	Nicotine plus	2.0962924	0.2047829	1.15E-24	1.05E-22
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribonuclease G EC 3 1 26	Vapor Type	Nicotine free	3.82512749	0.38011318	8.04E-24	6.96E-22
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribosome associated protein	Vapor Type	Nicotine free	2.98723363	0.33343996	3.28E-19	2.01E-17
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA cytosine1962 C5 methyltransferase EC 2 1 1 191	Vapor Type	Nicotine plus	0.59028883	0.06603004	3.90E-19	2.38E-17
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribosomal protein alanine N acetyltransferase EC 2 3 1 128	Vapor Type	Nicotine free	3.55225828	0.40077611	7.76E-19	4.60E-17
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	GTPase EC 3 6 5	Vapor Type	Nicotine free	3.68630037	0.41829168	1.22E-18	7.12E-17
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribosome binding factor A	Vapor Type	Nicotine free	3.44126404	0.41043723	5.10E-17	2.55E-15
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribonuclease G EC 3 1 26	Vapor Type	Nicotine plus	3.18703802	0.38183558	7.02E-17	3.47E-15
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	16S rRNA guanine1207 N2 methyltransferase EC 2 1 1 172	Vapor Type	Nicotine free	3.552109	0.44995959	2.77E-15	1.19E-13
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	16S rRNA processing protein RimM	Vapor Type	Nicotine free	2.21261906	0.18717307	4.08E-15	1.72E-13
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribonuclease III EC 3 1 26 3	Vapor Type	Nicotine free	3.25798493	0.41552071	4.48E-15	1.88E-13
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	16S rRNA cytidine1402 2' O methyltransferase EC 2 1 1 19	Vapor Type	Nicotine free	3.34978832	0.44878996	8.39E-14	3.08E-12
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	16S rRNA adenine1518 N6 adenine1519 N6 dimethyltransferase EC 2 1 1 187	Vapor Type	Nicotine free	3.41518431	0.48186078	1.37E-12	4.38E-11
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA guanine745 N1 methyltransferase EC 2 1 1 187	Vapor Type	Nicotine free	3.47543788	0.49443701	2.08E-12	6.52E-11
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	putative sigma 54 modulation protein	Vapor Type	Nicotine free	3.83631284	0.54959684	2.95E-12	9.07E-11
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA adenine2503 C2 methyltransferase EC 2 1 1 192	Vapor Type	Nicotine free	1.97120476	0.29074138	1.20E-11	3.47E-10
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	probable rRNA maturation factor	Vapor Type	Nicotine free	3.04588208	0.45621969	2.45E-11	6.88E-10
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	GTPase EC 3 6 5	Vapor Type	Nicotine plus	2.66232103	0.41902957	2.10E-10	5.37E-09
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	23S rRNA cytosine1962 C5 methyltransferase EC 2 1 1 191	Biofilm type	Intermediate	-0.2825277	0.0453316	4.59E-10	1.14E-08
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ATP dependent RNA helicase CshB EC 3 6 4 13	Vapor Type	Nicotine free	3.7794537	0.61840848	9.86E-10	2.38E-08
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	16S rRNA guanine966 N2 methyltransferase EC 2 1 1 171	Vapor Type	Nicotine free	3.03866735	0.5027342	1.50E-09	3.56E-08
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribosomal protein alanine N acetyltransferase EC 2 3 1 128	Vapor Type	Nicotine plus	2.43212204	0.40273395	1.55E-09	3.68E-08
Genetic Information Processing Translation	ko03009	Ribosome biogenesis	ribosome binding ATPase	Vapor Type	Nicotine free	3.36614023	0.5642591	2.44E-09	5.67E-08
Genetic Information Processing Translation	ko03009								

Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribonuclease III EC 3 1 26 3	Vapor Type	Nicotine plus	2.17105123	0.41689354	1.91E-07	3.62E-06
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		GTPase	Vapor Type	Nicotine free	3.10139247	0.59940094	2.29E-07	4.30E-06
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome maturation factor RimP	Vapor Type	Nicotine free	3.09643448	0.60479287	3.06E-07	5.65E-06
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome associated protein	Vapor Type	Nicotine free	4.18421284	0.82280832	3.67E-07	6.73E-06
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		16S rRNA cytidine1402 2' O methyltransferase EC 2 1 1 19	Vapor Type	Nicotine plus	2.24408537	0.44978669	6.06E-07	1.08E-05
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		23S rRNA guanine745 N1 methyltransferase EC 2 1 1 187	Vapor Type	Nicotine plus	2.24375965	0.49640863	9.09E-07	1.60E-05
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		16S rRNA adenine323 synthase 23S rRNA pseudouridine74	Vapor Type	Nicotine free	4.39941594	0.92941111	2.21E-06	3.71E-05
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		16S rRNA adenine1518 N6 adenine1519 N6 dimethyltrans	Vapor Type	Nicotine plus	2.26648679	0.48298184	2.70E-06	4.49E-05
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		probable rRNA maturation factor	Vapor Type	Nicotine plus	2.11005274	0.45793301	4.07E-06	6.62E-05
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		23S rRNA pseudouridine3605 synthase EC 5 4 99 22	Vapor Type	Nicotine free	1.49924381	0.34867131	7.71E-05	0.000259933
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ATP dependent RNA helicase CshB EC 3 6 4 13	Vapor Type	Nicotine plus	2.6582806	0.61917458	1.76E-05	0.000267189
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome binding ATPase	Vapor Type	Nicotine plus	2.75951597	0.56476327	6.31E-05	0.000897158
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		rRNA binding protein	Biofilm type	Intermediate	-0.3306366	0.08589657	0.00011848	0.001625488
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome associated protein	Vapor Type	Nicotine plus	3.18387535	0.83167996	0.00012906	0.001761054
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosomal protein L11 methyltransferase EC 2 1 1	Vapor Type	Nicotine plus	2.27234194	0.59712524	0.00014154	0.00191239
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome biogenesis GTPase A	Vapor Type	Nicotine plus	2.35634809	0.63285259	0.00019645	0.0026216
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		16S rRNA guanine966 N2 methyltransferase EC 2 1 1 171	Vapor Type	Nicotine plus	1.8481631	0.50513732	0.00025373	0.003334136
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		16S rRNA processing protein RimM	Vapor Type	Nicotine plus	1.04121939	0.2852231	0.00026169	0.003434513
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		23S rRNA pseudouridine32 synthase 23S rRNA pseudouridine74	Vapor Type	Nicotine plus	3.34858682	0.93637719	0.00034875	0.004507241
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribonuclease E EC 3 1 26 12	Vapor Type	Nicotine plus	2.47541756	0.70740832	0.00046652	0.005890861
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome maturation factor RimP	Vapor Type	Nicotine plus	2.09368041	0.60584342	0.00054864	0.00683869
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosomal protein S12 methylthiotransferase accessory fact	Vapor Type	Nicotine free	2.65932585	0.76965951	0.00054989	0.006851062
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		23S rRNA guanosine2251 2' O methyltransferase EC 2 1 1	Vapor Type	Nicotine plus	1.82464047	0.52872044	0.00055841	0.006949113
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		GTPase	Vapor Type	Nicotine plus	2.06926261	0.59989669	0.00056191	0.006987753
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosomal protein alanine N acetyltransferase EC 2 3 1 128	Vapor Type	Nicotine plus	1.93323249	0.57966364	0.00085223	0.01023807
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		30S ribosome assembly GTPase	Vapor Type	Nicotine free	2.42986445	0.73678158	0.00097396	0.01164653
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome associated protein	Vapor Type	Nicotine free	3.828899	1.23680029	0.00196276	0.002253592
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosomal protein serine acetyltransferase EC 2 3 1	Vapor Type	Nicotine plus	2.46000096	0.80190329	0.00215711	0.02461578
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		GTPase	Vapor Type	Nicotine plus	1.5714237	0.45439657	0.00029803	0.03495095
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		23S rRNA adenine2503 C2 methyltransferase EC 2 1 1 192	Vapor Type	Nicotine plus	0.805188103	0.2386188	0.00031673	0.034612146
Genetic Information Processing Translation	ko03009	Ribosome biogenesis		ribosome associated protein	Vapor Type	Nicotine plus	3.61746738	1.2393675	0.0035138	0.038051483
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	glycyl tRNA synthetase alpha chain EC 6 1 1 14	Vapor Type	Nicotine free	2.21492564	0.08389036	1.28E-153	1.65E-150
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	glycyl tRNA synthetase alpha chain EC 6 1 1 14	Vapor Type	Nicotine plus	1.3319442	0.08955309	4.92E-50	1.52E-47
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	cysteinyI tRNA synthetase EC 6 1 1 16	Vapor Type	Nicotine free	3.53719106	0.33158652	1.44E-26	1.50E-24
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA 2' methylthio N6 dimethylallyladenosine synthase EC	Vapor Type	Nicotine free	4.40619548	0.37495343	6.95E-32	9.91E-30
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA threonylcarbamoyladenosine biosynthesis protein Tsa	Vapor Type	Nicotine free	3.66260935	0.17591413	2.83E-96	2.09E-93
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA threonylcarbamoyladenosine biosynthesis protein Tsa	Vapor Type	Nicotine plus	2.6876096	0.17951132	1.12E-50	3.50E-48
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA adenine22 N1 methyltransferase EC 2 1 1 217	Vapor Type	Nicotine free	1.69008009	0.07149654	1.45E-123	1.49E-120
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	7 cyano 7 deazaguanine reductase EC 1 7 1 13	Vapor Type	Nicotine free	4.61416102	0.44424956	2.86E-25	2.73E-23
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA threonylcarbamoyladenosine dehydratase	Vapor Type	Nicotine free	4.2461992	0.39719351	2.02E-26	2.07E-24
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA methyltransferase TrmH family	Vapor Type	Nicotine free	3.73181043	0.38933643	9.24E-22	6.95E-20
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		6 pyruvoyltetrahydropterin 6 carboxyethyltetrahydropterin syntha	Vapor Type	Nicotine free	4.51790095	0.4974843	1.07E-19	6.85E-18
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA 2' methylthio N6 dimethylallyladenosine synthase EC	Vapor Type	Nicotine plus	3.19920209	0.37662642	1.99E-17	1.04E-15
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glutamyl tRNA synthetase EC 6 1 1 17	Vapor Type	Nicotine free	3.1555213	0.44449667	6.33E-17	3.14E-15
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA threonylcarbamoyladenosine biosynthesis protein Tsa	Vapor Type	Nicotine free	3.41052172	0.40812703	6.46E-17	3.20E-15
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glycyl tRNA synthetase EC 6 1 1 14	Vapor Type	Nicotine free	5.75017057	0.70000295	2.13E-16	1.02E-14
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA modification GTPase EC 3 6	Vapor Type	Nicotine free	3.28634644	0.41642933	2.98E-15	1.27E-13
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		7 cyano 7 deazaguanine reductase EC 1 7 1 13	Vapor Type	Nicotine plus	3.41194966	0.44926362	3.09E-14	1.18E-12
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA guanine37 N1 methyltransferase EC 2 1 1 228	Vapor Type	Nicotine free	1.93143686	0.36647732	3.24E-14	1.24E-12
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA threonylcarbamoyladenosine dehydratase	Vapor Type	Nicotine plus	3.03564001	0.40182621	4.70E-14	1.99E-12
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA adenine22 N1 methyltransferase EC 2 1 1 217	Vapor Type	Nicotine plus	0.61068864	0.08159961	7.21E-14	2.67E-12
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA pseudouridine38 40 synthase EC 5 4 99 12	Vapor Type	Nicotine free	3.41494596	0.61914001	1.44E-13	5.11E-12
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	glycyl tRNA synthetase alpha chain EC 6 1 1 14	Biofilm type	Pathogen-rich	-0.3697012	0.05177936	9.34E-13	3.05E-11
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA methyltransferase TrmH family	Vapor Type	Nicotine plus	2.75993439	0.39070659	1.62E-12	5.14E-11
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		N6 L threonylcarbamoyladenosine synthase EC 2 3 1 234	Vapor Type	Nicotine free	3.26159069	0.46207632	1.68E-12	5.32E-11
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA threonylcarbamoyladenosine biosynthesis protein Tsa	Vapor Type	Nicotine plus	2.88644009	0.41116354	3.02E-12	9.26E-11
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		cysteinyI tRNA synthetase EC 6 1 1 16	Vapor Type	Nicotine plus	2.29830773	0.33282	5.00E-12	1.49E-10
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glutamyl tRNA synthetase EC 6 1 1 17	Vapor Type	Nicotine plus	3.05587814	0.44629492	7.53E-12	2.22E-10
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		ribonuclease R EC 3 1	Vapor Type	Nicotine free	3.64261504	0.5373337	1.21E-11	3.49E-10
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA adenine22 N1 methyltransferase EC 2 1 1 217	Biofilm type	Intermediate	-0.4017545	0.05960068	1.58E-11	4.50E-10
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glycyl tRNA synthetase EC 6 1 1 14	Biofilm type	Intermediate	-0.6496217	0.09872667	4.70E-11	1.28E-09
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glycyl tRNA synthetase alpha chain EC 6 1 1 14	Biofilm type	Intermediate	-0.3324214	0.05121613	8.55E-11	2.27E-09
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		6 pyruvoyltetrahydropterin 6 carboxyethyltetrahydropterin syntha	Vapor Type	Nicotine free	3.19296176	0.50484545	2.54E-10	6.43E-09
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA threonylcarbamoyladenosine biosynthesis protein Tsa	Biofilm type	Intermediate	-0.3411523	0.05724776	2.53E-09	5.87E-08
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glycyl tRNA synthetase beta chain EC 6 1 1 14	Vapor Type	Nicotine free	3.18727075	0.54710562	5.69E-09	1.27E-08
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		aspartyl tRNA synthetase EC 6 1 1 12	Vapor Type	Nicotine free	3.22914468	0.59160559	4.81E-08	9.76E-07
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA adenine34 deaminase EC 3 5 4 33	Vapor Type	Nicotine free	3.28839809	0.61789942	1.03E-07	2.02E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glycyl tRNA synthetase EC 6 1 1 14	Vapor Type	Nicotine plus	3.76534842	0.70717228	1.27E-07	2.45E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		iron sulfur cluster assembly protein	Vapor Type	Nicotine free	5.23872837	0.98904279	1.24E-07	3.24E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	Cys tRNA Pro Cys tRNA Cys deacylase EC 3 1 1	Vapor Type	Nicotine plus	1.09891	0.53791938	1.70E-07	5.04E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA guanine37 N1 methyltransferase EC 2 1 1 228	Vapor Type	Nicotine plus	2.24107278	0.3799233	3.11E-07	5.75E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA pseudouridine38 40 synthase EC 5 4 99 12	Vapor Type	Nicotine plus	2.34367838	0.46320282	4.20E-07	7.65E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA threonylcarbamoyladenosine biosynthesis protein Tsa	Biofilm type	Pathogen-rich	-0.2822781	0.05628399	5.30E-07	9.55E-06
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA modification GTPase EC 3 6	Vapor Type	Nicotine plus	2.06039882	0.41746149	7.99E-07	1.41E-05
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		N6 L threonylcarbamoyladenosine synthase EC 2 3 1 234	Vapor Type	Nicotine plus	2.7279754	0.46270523	9.00E-07	1.58E-05
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA modification R EC 3 1	Vapor Type	Nicotine plus	2.58902818	0.53771094	1.47E-06	2.53E-05
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		prolyl tRNA synthetase EC 6 1 1 15	Vapor Type	Nicotine free	2.92879747	0.61023575	1.59E-06	2.72E-05
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA pseudouridine55 synthase EC 5 4 99 25	Vapor Type	Nicotine free	2.7858506	0.62452591	8.17E-06	0.000128863
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		ribonuclease D EC 3 1 13 5	Vapor Type	Nicotine free	2.67212842	0.62247427	1.76E-05	0.00026773
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		queine tRNA ribosyltransferase EC 2 4 2 29	Vapor Type	Nicotine free	2.57378213	0.59958468	1.77E-05	0.000267829
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		glycyl tRNA synthetase beta chain EC 6 1 1 14	Vapor Type	Nicotine plus	2.33172873	0.5475833	2.06E-05	0.000309804
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		putative RNA 2' phosphotransferase EC 2 7 1	Vapor Type	Nicotine free	1.63263879	0.38602552	2.34E-05	0.000350374
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		ribonuclease D EC 3 1 13 5	Biofilm type	Intermediate	-1.885512	0.46483407	4.99E-05	0.00071813
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis	core	tRNA modifying protein YgfZ	Vapor Type	Nicotine free	2.77980559	0.69953437	7.07E-05	0.00098706
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		iron sulfur cluster assembly protein	Biofilm type	Pathogen-rich	0.67512661	0.17208697	8.74E-05	0.001219631
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		ribonuclease D EC 3 1 13 5	Biofilm type	Pathogen-rich	-1.4784712	0.39166714	0.00016013	0.00216227
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA uracil 5' methyltransferase EC 2 1 1 35	Vapor Type	Nicotine free	2.81777929	0.75374041	0.0001855	0.002485105
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		aspartyl tRNA synthetase EC 6 1 1 12	Vapor Type	Nicotine plus	2.19705447	0.59190525	0.00020576	0.002737609
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		putative RNA 2' phosphotransferase EC 2 7 1	Biofilm type	Intermediate	-1.1861718	0.31984383	0.00028803	0.002770058
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		putative RNA 2' phosphotransferase EC 2 7 1	Biofilm type	Pathogen-rich	-0.398417	0.30943738	0.00038332	0.00492398
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA adenine34 deaminase EC 3 5 4 33	Vapor Type	Nicotine plus	2.1947866	0.61884566	0.00039026	0.005006194
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		iron sulfur cluster assembly protein	Vapor Type	Nicotine plus	3.50765287	1.0101557	0.00051585	0.006461684
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis		tRNA pseudouridine65 synthase EC 5 4 99 26	Vapor Type	Nicotine free	3.18485399	0.91802993	0.00052191	0.006528465
Genetic Information Processing Translation	ko03016	Transfer RNA biogenesis</								

Genetic Information Processing Translation	ko03012	Translation factors		peptide chain release factor 2	Vapor Type	Nicotine free	3.67949708	0.40792685	1.88E-19	1.19E-17
Genetic Information Processing Translation	ko03012	Translation factors		translation initiation factor IF 2	Vapor Type	Nicotine free	3.72051032	0.415038	3.12E-19	1.92E-17
Genetic Information Processing Translation	ko03012	Translation factors		peptide chain release factor 1	Vapor Type	Nicotine free	3.7767579	0.42977529	1.53E-18	8.78E-17
Genetic Information Processing Translation	ko03012	Translation factors	core	ribosome recycling factor	Vapor Type	Nicotine plus	2.55965561	0.32293101	2.26E-15	9.81E-14
Genetic Information Processing Translation	ko03012	Translation factors		ATP binding cassette subfamily F member 3	Vapor Type	Nicotine plus	1.38130996	0.1767224	5.44E-15	2.27E-13
Genetic Information Processing Translation	ko03012	Translation factors		peptide chain release factor 3	Vapor Type	Nicotine free	3.39890481	0.44569504	2.42E-14	9.40E-13
Genetic Information Processing Translation	ko03012	Translation factors	core	translation initiation factor IF 3	Vapor Type	Nicotine free	2.39370383	0.36946323	9.24E-11	2.45E-09
Genetic Information Processing Translation	ko03012	Translation factors	core	peptide chain release factor 1	Vapor Type	Nicotine plus	2.62728381	0.4087708	1.30E-10	3.39E-09
Genetic Information Processing Translation	ko03012	Translation factors		translation initiation factor IF 2	Vapor Type	Nicotine plus	2.5493844	0.41535572	1.26E-10	4.69E-09
Genetic Information Processing Translation	ko03012	Translation factors		peptide chain release factor 1	Vapor Type	Nicotine plus	2.61616169	0.4305474	4.05E-10	1.01E-08
Genetic Information Processing Translation	ko03012	Translation factors		peptide chain release factor 3	Vapor Type	Nicotine plus	2.38752799	0.44627952	8.80E-08	1.74E-06
Genetic Information Processing Translation	ko03012	Translation factors		ribosome associated protein	Biofilm type	Pathogen-rich	1.9633862	0.59242355	0.00091919	0.01022015
Genetic Information Processing Translation	ko03012	Translation factors		ribosome associated protein	Biofilm type	Intermediate	2.7400238	0.84378648	0.00116507	0.01372651
Genetic Information Processing Translation	ko03012	Translation factors		ribosome associated protein	Vapor Type	Nicotine free	3.18178148	0.98965986	0.00130433	0.015239198
Human Diseases Drug resistance	ko01523	Antifolate resistance	core	phosphoribosylaminoimidazolecarboxamide formyltransferase	Vapor Type	Nicotine free	3.19947108	0.0863234	1.08E-300	3.02E-297
Human Diseases Drug resistance	ko01523	Antifolate resistance	core	phosphoribosylaminoimidazolecarboxamide formyltransferase	Vapor Type	Nicotine plus	2.00397139	0.90006646	1.13E-109	9.41E-107
Human Diseases Drug resistance	ko01523	Antifolate resistance	core	phosphoribosylaminoimidazolecarboxamide formyltransferase	Biofilm type	Intermediate	-0.4276868	0.0395172	2.68E-27	2.89E-25
Human Diseases Drug resistance	ko01523	Antifolate resistance	core	phosphoribosylaminoimidazolecarboxamide formyltransferase	Biofilm type	Pathogen-rich	-0.2426023	0.03776704	1.33E-10	3.47E-09
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes	core	ATP binding cassette subfamily B tetracycline resistant protein	Vapor Type	Nicotine free	3.93823908	0.33093737	1.20E-32	1.78E-30
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		ATP binding cassette subfamily B tetracycline resistant protein	Vapor Type	Nicotine plus	3.32177744	0.33241765	1.64E-23	1.38E-21
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		23S rRNA adenine N6 dimethyltransferase EC 2 1 1 184	Vapor Type	Nicotine free	4.01537642	0.42427992	2.96E-21	2.16E-19
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes	core	beta lactamase class A BlaZ EC 3 5 2 6	Biofilm type	Pathogen-rich	0.49743933	0.05310742	7.49E-21	5.27E-19
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		ATP binding cassette subfamily B tetracycline resistant protein	Vapor Type	Nicotine free	4.58407172	0.49155659	1.10E-20	7.68E-19
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes	core	beta lactamase class A BlaZ EC 3 5 2 6	Vapor Type	Nicotine free	7.11082655	0.79641746	4.32E-19	2.62E-17
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		membrane fusion protein multidrug efflux system	Vapor Type	Nicotine free	4.17268862	0.51096999	3.03E-16	1.42E-14
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		ATP binding cassette subfamily B tetracycline resistant protein	Vapor Type	Nicotine plus	3.93538636	0.49255049	1.34E-15	5.98E-14
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		aminoglycoside 6 adenyltransferase EC 2 7 7	Vapor Type	Nicotine free	3.60767052	0.48377822	8.83E-14	3.23E-12
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		anacynin fusion EC 2 7 1 95	Vapor Type	Nicotine free	3.49274843	0.47609698	2.05E-13	7.17E-12
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		membrane fusion protein multidrug efflux system	Vapor Type	Nicotine plus	3.23045958	0.37762434	2.84E-10	7.13E-09
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes	core	beta lactamase class A BlaZ EC 3 5 2 6	Vapor Type	Nicotine plus	6.10780804	0.80003133	1.35E-16	8.92E-07
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes	core	beta lactamase class A EC 3 5 2 6	Vapor Type	Nicotine free	3.58852704	0.63145087	1.32E-08	2.86E-07
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		aminoglycoside 6 N acetyltransferase I EC 2 3 1 82	Vapor Type	Nicotine free	5.78328139	1.03344338	2.19E-08	4.59E-07
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		aminoglycoside 6 adenyltransferase EC 2 7 7	Vapor Type	Nicotine plus	2.71016849	0.486091	2.47E-08	5.16E-07
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		23S rRNA adenine N6 dimethyltransferase EC 2 1 1 184	Vapor Type	Nicotine plus	2.32317635	0.44062014	1.35E-07	2.59E-06
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		ribosomal protection tetracycline resistance protein	Vapor Type	Nicotine free	3.05845364	0.58582927	1.78E-07	3.39E-06
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		anacynin fusion EC 2 7 1 95	Vapor Type	Nicotine plus	2.53575052	0.46862868	1.90E-07	3.60E-06
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		aminoglycoside 6 N acetyltransferase I EC 2 3 1 82	Vapor Type	Nicotine plus	5.2479228	1.03445121	3.91E-07	7.16E-06
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		anacynin fusion EC 2 7 1 95	Biofilm type	Intermediate	-0.9935252	0.20484709	1.23E-06	2.14E-05
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		anacynin fusion EC 2 7 1 95	Biofilm type	Pathogen-rich	-0.9517688	0.20266461	2.65E-06	4.42E-05
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		beta lactamase class A EC 3 5 2 6	Vapor Type	Nicotine plus	2.89745303	0.63439778	4.94E-06	8.00E-05
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		23S rRNA adenine N6 dimethyltransferase EC 2 1 1 184	Biofilm type	Pathogen-rich	0.565591	1.0280329	9.98E-06	0.000155936
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		MFS transporter DHAX family multidrug resistance protein	Vapor Type	Nicotine free	3.13220973	0.8315942	0.0001738	0.002335033
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		ribosomal protection tetracycline resistance protein	Vapor Type	Nicotine plus	2.19187716	0.58923254	0.00019931	0.002656453
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		MarR family transcriptional regulator multiple gene regulato	Biofilm type	Pathogen-rich	0.74082917	0.20731442	0.0003523	0.004548744
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		anacynin nucleotidyltransferase EC 2 7 7	Biofilm type	Pathogen-rich	0.95610052	0.29608551	0.00124165	0.01458274
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		MFS transporter DHAX family multidrug resistance protein	Biofilm type	Pathogen-rich	1.04443596	0.33338545	0.00173137	0.019807436
Human Diseases Drug resistance	ko01504	Antimicrobial resistance genes		MarR family transcriptional regulator multiple gene regulato	Vapor Type	Nicotine free	6.55689579	2.23974604	0.0034168	0.037106607
Human Diseases Drug resistance	ko01501	beta Lactam resistance	core	bla regulator protein blaR1	Vapor Type	Nicotine free	5.54129509	0.42837058	2.83E-38	5.60E-36
Human Diseases Drug resistance	ko01501	beta Lactam resistance		beta N acetylcephalosporinase EC 3 2 1 52	Vapor Type	Nicotine free	3.50099757	0.37760439	1.83E-10	1.25E-18
Human Diseases Drug resistance	ko01501	beta Lactam resistance		ATP binding cassette subfamily B tetracycline resistant protein	Vapor Type	Nicotine plus	6.81050509	0.82513233	1.35E-16	6.70E-15
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 1 EC 3 4	Vapor Type	Nicotine free	7.27277354	0.98734486	1.76E-13	6.20E-12
Human Diseases Drug resistance	ko01501	beta Lactam resistance		beta N acetylcephalosporinase EC 3 2 1 52	Vapor Type	Nicotine plus	2.66059837	0.37912417	2.25E-12	7.04E-11
Human Diseases Drug resistance	ko01501	beta Lactam resistance		bla regulator protein blaR1	Vapor Type	Nicotine plus	3.0065236	0.43480692	4.69E-12	1.41E-10
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 2A EC 2 4 1 129 3 4 16 4	Vapor Type	Nicotine free	4.23583303	0.62569418	1.29E-11	3.70E-10
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 3 EC 3 4	Vapor Type	Nicotine free	7.06347372	1.09281341	1.02E-10	2.69E-09
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 2X	Vapor Type	Nicotine free	3.75714939	0.62120013	1.46E-09	3.48E-08
Human Diseases Drug resistance	ko01501	beta Lactam resistance		ATP binding cassette subfamily B bacterial AbcA BmrA EC	Vapor Type	Nicotine plus	4.50058473	0.82879697	5.63E-08	1.13E-06
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 2A EC 2 4 1 129 3 4 16 4	Vapor Type	Nicotine plus	3.29796774	0.62607091	1.38E-07	2.66E-06
Human Diseases Drug resistance	ko01501	beta Lactam resistance		BlaI family transcriptional regulator penicillinase repressor	Vapor Type	Nicotine free	7.01535332	1.36873725	2.97E-07	5.50E-06
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 1 EC 3 4	Vapor Type	Nicotine plus	5.00998618	0.99012351	4.19E-07	7.64E-06
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 3 EC 3 4	Vapor Type	Nicotine plus	4.93238794	1.09616918	8.81E-06	0.000108315
Human Diseases Drug resistance	ko01501	beta Lactam resistance		penicillin binding protein 2X	Vapor Type	Nicotine plus	2.79330134	0.62183761	7.06E-06	0.00012146
Human Diseases Drug resistance	ko01501	beta Lactam resistance		BlaI family transcriptional regulator penicillinase repressor	Biofilm type	Pathogen-rich	0.38235084	0.09081737	2.55E-05	0.00037979
Human Diseases Drug resistance	ko01501	beta Lactam resistance		BlaI family transcriptional regulator penicillinase repressor	Vapor Type	Nicotine plus	4.67573959	1.37448283	0.00066939	0.008203841
Human Diseases Drug resistance	ko01501	beta Lactam resistance		BlaI family transcriptional regulator penicillinase repressor	Biofilm type	Intermediate	-0.3090661	0.10761203	0.00407831	0.043519428
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance	core	N acetylmuramoyl L alanine amidase EC 3 5 1 28	Vapor Type	Nicotine free	4.47214909	0.39628545	1.55E-29	1.92E-27
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		aureolysin EC 3 4 2 24 29	Vapor Type	Nicotine free	5.88213931	0.71654503	2.23E-16	1.06E-14
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		N acetylmuramoyl L alanine amidase EC 3 5 1 28	Vapor Type	Nicotine plus	3.21668121	0.39808452	4.64E-16	2.97E-14
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		D alanine, poly phosphoribitol ligase subunit 1 EC 6 1 1 13	Vapor Type	Nicotine free	3.47423937	0.6382024	1.06E-07	2.09E-06
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		ATP binding cassette subfamily B tetracycline resistant protein	Vapor Type	Nicotine plus	6.40520509	0.82513233	1.35E-16	6.70E-15
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		thiol disulfide interchange protein DsbA	Vapor Type	Nicotine free	3.16322336	0.74319013	2.10E-05	0.000315747
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		thiol disulfide interchange protein DsbA	Vapor Type	Nicotine plus	2.82413213	0.74742036	0.0001509	0.002044402
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		D alanine, poly phosphoribitol ligase subunit 1 EC 6 1 1 13	Vapor Type	Nicotine plus	2.3002521	0.65427729	0.00043833	0.005575688
Human Diseases Drug resistance	ko01503	Cationic antimicrobial peptide CAMP resistance		thiol disulfide interchange protein DsbA	Biofilm type	Pathogen-rich	1.86278865	0.55413087	0.00077481	0.009413542
Human Diseases Drug resistance	ko01524	Platinum drug resistance		Cu exporting ATPase EC 3 6 3 54	Vapor Type	Nicotine free	3.00518078	0.53235782	1.65E-08	3.53E-07
Human Diseases Drug resistance	ko01524	Platinum drug resistance		Cu exporting ATPase EC 3 6 3 54	Vapor Type	Nicotine plus	2.0080507	0.53267186	0.00017253	0.002320428
Human Diseases Drug resistance	ko01502	Vancomycin resistance		alanine racemase EC 5 1 1 1	Vapor Type	Nicotine free	3.60277933	0.3817548	3.82E-21	2.76E-19
Human Diseases Drug resistance	ko01502	Vancomycin resistance		D alanine D alanine ligase EC 6 3 2 4	Vapor Type	Nicotine free	3.40086648	0.42580836	1.38E-15	6.14E-14
Human Diseases Drug resistance	ko01502	Vancomycin resistance		alanine racemase EC 5 1 1 1	Vapor Type	Nicotine free	2.43517614	0.38272051	1.98E-10	5.08E-09
Human Diseases Drug resistance	ko01502	Vancomycin resistance		phospho N acetylmuramoyl pentapeptide transferase EC 2	Vapor Type	Nicotine free	2.89826644	0.50319637	8.43E-09	1.86E-07
Human Diseases Drug resistance	ko01502	Vancomycin resistance		D alanine D alanine ligase EC 6 3 2 4	Vapor Type	Nicotine plus	2.2493949	0.42667842	1.35E-07	2.60E-06
Human Diseases Drug resistance	ko01502	Vancomycin resistance		phospho N acetylmuramoyl pentapeptide transferase EC 2	Vapor Type	Nicotine plus	1.6931681	0.50408626	0.00078257	0.009499229
Human Diseases Infectious diseases	ko05100	Bacterial invasion of epithelial cells		fibronectin binding protein A	Vapor Type	Nicotine free	2.86716718	0.43634323	5.00E-11	1.36E-09
Human Diseases Infectious diseases	ko05100	Bacterial invasion of epithelial cells		fibronectin binding protein A	Vapor Type	Nicotine plus	2.27536162	0.44571735	3.31E-07	6.10E-06
Human Diseases Infectious diseases	ko05134	Legionellosis		GTP binding protein LepA	Vapor Type	Nicotine free	3.58943932	0.43672026	2.28E-16	1.08E-14
Human Diseases Infectious diseases	ko05134	Legionellosis		GTP binding protein LepA	Vapor Type	Nicotine plus	2.58667512	0.43726185	3.31E-09	7.58E-08
Human Diseases Infectious diseases	ko05133	Peritussis		hemolysin activation secretion protein	Vapor Type	Nicotine free	4.79991026	0.5207122	1.14E-21	8.48E-20
Human Diseases Infectious diseases	ko05133	Peritussis		hemolysin activation secretion protein	Vapor Type	Nicotine plus	4.35920155	0.5218642	6.60E-17	3.27E-15
Human Diseases Infectious diseases	ko05133	Peritussis		filamentous hemagglutinin	Vapor Type	Nicotine free	3.04687131	0.64671156	2.46E-06	4.12E-05
Human Diseases Infectious diseases	ko05133	Peritussis		filamentous hemagglutinin	Vapor Type	Nicotine plus	2.6936685	0.64700971	3.02E-05	0.000445449
Human Diseases Infectious diseases	ko05132	Salmonella infection		nitric oxide downregase EC 1 14 12 17	Vapor Type	Nicotine free	4.56206178	0.4564452	1.61E-23	1.36E-21
Human Diseases Infectious diseases	ko05132	Salmonella infection		nitric oxide downregase EC 1 14 12 17	Vapor Type	Nicotine plus	2.56739582	0.47118078	5.07E-08	1.03E-06
Human Diseases Infectious diseases	ko05132	Salmonella infection		nitric oxide downregase EC 1 14 12 17	Biofilm type	Pathogen-rich	0.52289487	0.10543087	7.06E-07	1.25E-05
Human Diseases Infectious diseases	ko05150	Staphylococcus aureus infection	core	exfoliative toxin A B	Vapor Type	Nicotine free	1.60017761	0.07466682	6.97E-102	5.39E-99
Human Diseases Infectious diseases	ko05150	Staphylococcus aureus infection		serine aspartate repeat containing protein C D E	Vapor Type	Nicotine free	7.37721961	0.94855534	7.41E-15	3.04E-13
Human Diseases Infectious diseases</										

Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	adenylosuccinate synthase EC 6.3.4.4	Vapor Type	Nicotine plus	2.7193094	0.51570524	1.34E-07	2.59E-06
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	aspartate aminotransferase EC 2.6.1.1	Vapor Type	Nicotine plus	3.4024851	0.6591642	2.45E-07	4.58E-06
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	aspartate aminoglycosylase EC 6.3.1.1	Vapor Type	Nicotine plus	2.43597015	0.48089042	4.07E-07	7.43E-06
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	aspartate racemase EC 5.1.1.13	Vapor Type	Nicotine free	2.81949189	0.57088886	7.86E-07	1.39E-05
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	succinate semialdehyde dehydrogenase glutarate semiald	Vapor Type	Nicotine free	3.35288433	0.71435728	2.68E-06	4.47E-05
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	amido phosphoribosyltransferase EC 2.4.2.14	Vapor Type	Nicotine free	2.9014282	0.64959996	7.95E-06	0.000125715
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	aspartate aminotransferase EC 2.6.1.1	Vapor Type	Nicotine free	2.8915696	0.66641262	0.00016139	0.002175964
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	aspartate aminotransferase EC 2.6.1.1	Vapor Type	Nicotine plus	2.7030299	0.76909019	0.00043989	0.005590358
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	alanine dehydrogenase EC 1.4.1.1	Vapor Type	Nicotine plus	2.17471328	0.62036112	0.00055555	0.005769946
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	succinate semialdehyde dehydrogenase glutarate semiald	Vapor Type	Nicotine plus	2.28420104	0.7263941	0.00173833	0.01987429
Metabolism Amino acid metabolism	ko0250	Alanine aspartate and glutamate metabolism	aspartate aminotransferase EC 2.6.1.1	Biofilm type	Pathogen-rich	1.9891184	0.6373251	0.00180212	0.020563894
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	8 amino 2 oxononanoate synthase EC 2.3.1.47	Vapor Type	Nicotine free	4.28615299	0.37051011	5.97E-31	8.08E-29
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	branched chain amino acid aminotransferase EC 2.6.1.42	Vapor Type	Nicotine free	4.17028383	0.32611033	1.91E-37	3.61E-35
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	phenylalanyl tRNA synthetase alpha chain EC 6.1.1.20	Vapor Type	Nicotine free	1.88749097	0.05512105	5.90E-257	1.21E-253
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	phenylalanyl tRNA synthetase alpha chain EC 6.1.1.20	Biofilm type	Intermediate	-0.5974468	0.0411043	7.28E-48	2.01E-45
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	phenylalanyl tRNA synthetase alpha chain EC 6.1.1.20	Vapor Type	Nicotine plus	0.75212482	0.06230823	1.50E-33	2.32E-31
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	phenylalanyl tRNA synthetase alpha chain EC 6.1.1.20	Biofilm type	Pathogen-rich	-0.4168617	0.03885309	7.43E-27	7.78E-25
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	phenylalanyl tRNA synthetase beta chain EC 6.1.1.20	Vapor Type	Nicotine free	3.45967838	0.37237832	1.53E-20	1.06E-18
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	isoleucyl tRNA synthetase EC 6.1.1.5	Vapor Type	Nicotine free	3.57034422	0.38919468	4.57E-20	3.06E-18
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	glutamyl tRNA synthetase EC 6.1.1.18	Vapor Type	Nicotine free	3.99625304	0.43606663	4.99E-20	3.31E-18
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	branched chain amino acid aminotransferase EC 2.6.1.42	Vapor Type	Nicotine plus	2.99794528	0.37236671	5.30E-20	3.50E-18
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	arginyl tRNA synthetase EC 6.1.1.19	Vapor Type	Nicotine free	3.73371717	0.46481238	9.53E-16	4.31E-14
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	glutamyl tRNA synthetase EC 6.1.1.18	Vapor Type	Nicotine plus	3.04829242	0.43761289	3.27E-12	9.98E-11
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	isoleucyl tRNA synthetase EC 6.1.1.5	Vapor Type	Nicotine plus	2.56128452	0.38959471	4.89E-11	1.33E-09
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	tryptophanyl tRNA synthetase EC 6.1.1.2	Vapor Type	Nicotine free	3.5758735	0.54753762	6.54E-11	1.76E-09
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	phenylalanyl tRNA synthetase beta chain EC 6.1.1.20	Vapor Type	Nicotine plus	2.36736396	0.37293564	2.19E-10	5.56E-09
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	arginyl tRNA synthetase EC 6.1.1.19	Vapor Type	Nicotine plus	2.61523014	0.46529247	1.80E-08	4.04E-07
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	8 amino 2 oxononanoate synthase EC 2.3.1.47	Vapor Type	Nicotine plus	2.1105041	0.38332213	3.67E-08	7.55E-07
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	threonyl tRNA synthetase EC 6.1.1.3	Vapor Type	Nicotine free	1.93177987	0.38855165	6.77E-07	2.20E-06
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	para aminobenzoate synthetase 4 amino 4 deoxychorism	Vapor Type	Nicotine free	3.28446949	0.70093821	2.60E-06	4.34E-05
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	tryptophanyl tRNA synthetase EC 6.1.1.2	Vapor Type	Nicotine plus	2.51993783	0.48041443	4.26E-06	6.92E-05
Metabolism Amino acid metabolism	ko01007	Amino acid related enzymes	para aminobenzoate synthetase 4 amino 4 deoxychorism	Vapor Type	Nicotine plus	2.23361884	0.70147246	0.00087867	0.010583777
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	glutamate 5 inase EC 2.7.2.11	Vapor Type	Nicotine free	3.77720737	0.41176291	4.59E-20	3.07E-18
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	S adenosylmethionine decarboxylase EC 4.1.1.50	Vapor Type	Nicotine free	4.5579971	0.55580468	2.39E-16	1.13E-14
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	proline dehydrogenase EC 1.5	Vapor Type	Nicotine free	5.53957543	0.6841069	5.61E-16	2.58E-14
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	ornithine cyclodeaminase EC 4.3.1.12	Vapor Type	Nicotine free	6.27382233	0.83617595	6.24E-14	2.32E-12
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	glutamate 5 inase EC 2.7.2.11	Vapor Type	Nicotine plus	2.92110222	0.41264818	1.45E-12	4.64E-11
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	S adenosylmethionine decarboxylase EC 4.1.1.50	Vapor Type	Nicotine plus	3.72445629	0.57656022	2.40E-11	6.75E-10
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	ornithine cyclodeaminase EC 4.3.1.12	Biofilm type	Intermediate	-0.5161396	0.0894277	7.85E-09	1.74E-07
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	proline dehydrogenase EC 1.5	Vapor Type	Nicotine plus	3.45197402	0.6926784	6.25E-07	1.12E-05
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	amidase EC 3.5.1.4	Vapor Type	Nicotine free	2.74906357	0.57238567	1.56E-06	2.68E-05
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	ornithine cyclodeaminase EC 4.3.1.12	Vapor Type	Nicotine plus	3.85587945	0.84417902	4.93E-06	7.98E-05
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	amidase EC 3.5.1.4	Vapor Type	Nicotine plus	2.22019776	0.57844442	0.00012393	0.001694943
Metabolism Amino acid metabolism	ko03300	Arginine and proline metabolism	4 gamma glutamylamino butanal dehydrogenase EC 1.21.5	Biofilm type	Pathogen-rich	2.06395866	0.72709096	0.00453044	0.04768502
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	ornithine carbamoyltransferase EC 2.1.3.3	Vapor Type	Nicotine free	3.82063246	0.41856885	6.99E-20	4.55E-18
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	arginine deiminase EC 3.5.3.6	Vapor Type	Nicotine free	3.928921	0.49199927	1.40E-15	6.20E-14
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	urease subunit alpha EC 3.5.1.5	Vapor Type	Nicotine plus	6.34363521	0.79579895	1.57E-15	6.92E-14
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	ornithine carbamoyltransferase EC 2.1.3.3	Vapor Type	Nicotine plus	2.39756265	0.41946525	1.09E-08	2.38E-07
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	urease subunit alpha EC 3.5.1.5	Vapor Type	Nicotine plus	4.27266218	0.80353152	1.28E-07	2.48E-06
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	arginine deiminase EC 3.5.3.6	Vapor Type	Nicotine free	2.47189492	0.70093821	2.60E-06	4.34E-05
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	glutamate dehydrogenase EC 1.4.1.2	Vapor Type	Nicotine free	6.01642128	1.3708203	1.14E-05	0.000176234
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	urease subunit beta EC 3.5.1.5	Vapor Type	Nicotine plus	6.37213171	1.93995585	0.00102099	0.012163323
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	glutamate dehydrogenase EC 1.4.1.2	Biofilm type	Intermediate	-2.1423004	0.7108624	0.00258111	0.028643673
Metabolism Amino acid metabolism	ko0270	Arginine biosynthesis	amino acid N acetyltransferase EC 2.3.1.1	Vapor Type	Nicotine free	1.85609595	0.64504569	0.00400885	0.042907039
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	serine O acetyltransferase EC 2.3.1.30	Vapor Type	Nicotine free	3.69292017	0.34819669	2.80E-26	2.83E-24
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	homoserine O succinyltransferase EC 2.3.1.46	Vapor Type	Nicotine free	3.05649109	0.1389276	2.84E-107	2.30E-104
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	homoserine O succinyltransferase EC 2.3.1.46	Vapor Type	Nicotine plus	2.30274479	0.1423956	8.02E-59	3.21E-56
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	homoserine O acetyltransferase EC 2.3.1.31	Vapor Type	Nicotine free	4.88949681	0.52816345	2.09E-20	1.43E-18
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	glutamate cysteine ligase EC 6.3.2.2	Vapor Type	Nicotine free	4.12504896	0.44746658	3.01E-20	2.04E-18
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	S adenosylmethionine synthetase EC 2.5.1.6	Vapor Type	Nicotine free	3.60073399	0.40021944	2.36E-19	1.47E-17
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	adenylosuccinate synthase EC 3.1.1.1	Vapor Type	Nicotine free	4.11405472	0.47463108	4.40E-18	2.44E-16
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	thioltransferase 3 mercaptopyruvate sulfurtransferase EC 2.8.1.1	Vapor Type	Nicotine free	3.77340655	0.43569886	4.69E-18	2.60E-16
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	S methylthioadenosine phosphorylase EC 2.4.2.28	Vapor Type	Nicotine free	4.29196056	0.54969625	5.82E-15	2.41E-13
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	glutamate cysteine ligase EC 6.3.2.2	Vapor Type	Nicotine plus	3.32206618	0.44820542	1.24E-13	4.47E-12
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	homoserine O succinyltransferase EC 2.3.1.46	Biofilm type	Intermediate	-0.4158993	0.05794394	7.13E-13	2.35E-11
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	adenylosuccinate synthase EC 3.1.1.1	Vapor Type	Nicotine plus	3.41913173	0.47690106	7.53E-13	2.47E-11
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	serine O acetyltransferase EC 2.3.1.30	Vapor Type	Nicotine plus	2.48648011	0.34996896	1.20E-12	3.88E-11
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	homoserine O succinyltransferase EC 2.3.1.46	Biofilm type	Pathogen-rich	-0.3945751	0.05757538	7.23E-12	2.14E-10
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	thioltransferase 3 mercaptopyruvate sulfurtransferase EC 2.8.1.1	Vapor Type	Nicotine plus	2.92807867	0.43916866	2.61E-11	7.23E-10
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	S methylthioadenosine phosphorylase EC 2.4.2.28	Vapor Type	Nicotine plus	5.26710533	0.53569632	3.95E-12	1.09E-09
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	S adenosylmethionine synthetase EC 2.5.1.6	Vapor Type	Nicotine plus	2.55936418	0.40110165	1.76E-10	4.53E-09
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	cysteine synthase A EC 2.5.1.47	Vapor Type	Nicotine free	3.15772396	0.50440656	3.84E-10	9.59E-09
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	aspartate inase EC 2.7.2.4	Vapor Type	Nicotine free	3.3432627	0.50509134	1.26E-09	3.02E-08
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	DNA cytosine 5 methyltransferase I EC 2.1.1.37	Vapor Type	Nicotine free	3.04960277	0.54379792	2.05E-08	4.32E-07
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	homoserine O acetyltransferase EC 2.3.1.31	Vapor Type	Nicotine plus	2.97765283	0.53683132	2.91E-08	6.05E-07
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	cysteine synthase A EC 2.5.1.47	Vapor Type	Nicotine plus	2.12765431	0.50507607	2.53E-05	0.000375927
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	aspartate inase EC 2.7.2.4	Vapor Type	Nicotine plus	2.897534	0.55106168	3.25E-05	0.000478307
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	DNA cytosine 5 methyltransferase I EC 2.1.1.37	Vapor Type	Nicotine plus	2.22502494	0.54432126	4.36E-05	0.000631999
Metabolism Amino acid metabolism	ko0270	Cysteine and methionine metabolism	glutathione synthase EC 6.3.2.3	Vapor Type	Nicotine free	2.23040812	0.73472693	0.00239981	0.026787787
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	threonine aldolase EC 4.1.2.48	Vapor Type	Nicotine free	3.5260834	0.25358537	3.91E-44	1.44E-41
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	tryptophan synthase beta chain EC 4.2.1.20	Vapor Type	Nicotine free	1.13597033	0.30329005	0	0
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	tryptophan synthase beta chain EC 4.2.1.20	Biofilm type	Intermediate	-0.3380006	0.0305224	1.68E-28	1.96E-26
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	2.3 bisphosphoglycerate independent phosphoglycerate mut	Vapor Type	Nicotine free	4.2506561	0.25696438	1.83E-61	8.02E-59
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	2.3 bisphosphoglycerate independent phosphoglycerate mut	Vapor Type	Nicotine plus	2.8403435	0.26047584	9.39E-28	1.04E-25
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	threonine dehydratase EC 4.3.1.19	Vapor Type	Nicotine free	3.42742426	0.33092255	3.88E-25	3.65E-23
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	L serine dehydratase EC 4.3.1.17	Vapor Type	Nicotine free	3.25977347	0.39364063	1.22E-16	5.93E-15
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	tryptophan synthase alpha chain EC 4.2.1.20	Vapor Type	Nicotine free	3.261171	0.40629814	1.00E-15	4.53E-14
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	threonine dehydratase EC 4.3.1.19	Vapor Type	Nicotine plus	2.39301702	0.33193522	5.62E-13	1.88E-11
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	tryptophan synthase beta chain EC 4.2.1.20	Biofilm type	Pathogen-rich	0.18822865	0.0266313	1.57E-12	5.00E-11
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	threonine aldolase EC 4.1.2.48	Vapor Type	Nicotine plus	1.89079902	0.26813639	1.75E-12	5.59E-11
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	glycine amidinotransferase EC 2.1.4.1	Biofilm type	Pathogen-rich	-2.7760055	0.43936828	2.65E-10	6.68E-09
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	threonine synthase EC 4.2.3.1	Vapor Type	Nicotine free	3.32827792	0.58161106	1.05E-08	2.29E-07
Metabolism Amino acid metabolism	ko0260	Glycine serine and threonine metabolism	glycine amidinotransferase EC 2.1.4.1	Biofilm type	Intermediate	-3.			

Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	urocanate hydratase EC 4 2 1 49	Vapor Type	Nicotine free	3.63164591	0.2290478	1.29E-56	4.95E-54
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	urocanate hydratase EC 4 2 1 49	Vapor Type	Nicotine plus	2.55404215	0.23470055	1.40E-27	1.54E-25
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidine ammonia lyase EC 4 3 1 3	Vapor Type	Nicotine free	2.87357005	0.18570877	5.24E-54	1.80E-51
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	phosphoribosylformimino 5 aminoimidazole carboxamide ri	Vapor Type	Nicotine free	4.2622563	0.29630174	6.44E-47	1.71E-44
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	cyclase EC 4 1 3	Vapor Type	Nicotine free	3.64771474	0.18346738	5.82E-88	3.98E-85
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	cyclase EC 4 1 3	Vapor Type	Nicotine plus	2.25111332	0.19041896	3.01E-32	4.32E-30
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	glutamine amidotransferase EC 2 4 2	Vapor Type	Nicotine free	4.284168	0.3317037	3.67E-38	7.20E-36
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	ATP phosphoribosyltransferase regulatory subunit	Vapor Type	Nicotine free	4.14971803	0.33407795	2.00E-35	3.42E-33
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	ATP phosphoribosyltransferase regulatory subunit	Vapor Type	Nicotine plus	3.55555818	0.33591381	1.70E-25	1.64E-23
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidinol phosphatase PHP family EC 3 1 3 15	Vapor Type	Nicotine free	3.88618014	0.33217038	1.56E-24	2.28E-22
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	phosphoribosylformimino 5 aminoimidazole carboxamide ri	Vapor Type	Nicotine plus	2.98707739	0.30156455	3.95E-23	3.27E-21
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	glutamine amidotransferase EC 2 4 2	Vapor Type	Nicotine plus	3.22935839	0.33567579	6.55E-22	5.03E-20
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	formiminoglutamase EC 3 5 3 8	Vapor Type	Nicotine plus	2.2294606	0.24302976	4.57E-20	3.06E-18
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidine ammonia lyase EC 4 3 1 3	Vapor Type	Nicotine plus	1.77949809	0.19532282	8.20E-20	5.32E-18
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	urocanate hydratase EC 4 2 1 49	Biofilm type	Intermediate	-0.6609012	0.07820729	2.90E-17	1.48E-15
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidinol phosphatase PHP family EC 3 1 3 15	Vapor Type	Nicotine plus	3.18096701	0.38513205	1.46E-16	7.08E-15
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	phosphoribosyl AMP cyclohydrolase EC 3 5 4 19	Vapor Type	Nicotine free	3.01520418	0.38075883	2.40E-15	1.03E-13
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidine ammonia lyase EC 4 3 1 3	Biofilm type	Intermediate	-0.6804388	0.09053585	5.66E-14	2.11E-12
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	urocanate hydratase EC 4 2 1 49	Biofilm type	Pathogen-rich	-0.5346328	0.07508922	1.08E-12	3.50E-11
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidine ammonia lyase EC 4 3 1 3	Biofilm type	Pathogen-rich	-0.5590287	0.08703351	1.33E-10	3.48E-09
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidinol dehydrogenase EC 1 1 1 23	Biofilm type	Intermediate	-0.3819997	0.06233337	8.88E-10	2.15E-08
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	phosphoribosyl AMP cyclohydrolase EC 3 5 4 19	Vapor Type	Nicotine plus	2.31974392	0.38849587	2.36E-09	5.50E-08
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	cyclase EC 4 1 3	Biofilm type	Intermediate	-0.3789057	0.06613119	1.01E-08	2.20E-07
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	phosphoribosylformimino 5 aminoimidazole carboxamide ri	Biofilm type	Intermediate	-0.3510414	0.07926181	9.47E-06	0.000148306
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	glutamine amidotransferase EC 2 4 2	Biofilm type	Intermediate	-0.5484846	0.12751457	1.70E-05	0.000258434
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	ATP phosphoribosyltransferase regulatory subunit	Biofilm type	Intermediate	-0.685442	0.19868954	0.00056097	0.00697727
Metabolism Amino acid metabolism	ko00340	Histidine metabolism	core	histidinol phosphatase PHP family EC 3 1 3 15	Biofilm type	Intermediate	-0.6901967	0.22353443	0.00201744	0.022815834
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	aspartate semialdehyde dehydrogenase EC 1 2 1 11	Vapor Type	Nicotine free	3.60999078	0.33438922	2.28E-24	2.04E-22
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	diaminopimelate epimerase EC 5 1 1 7	Vapor Type	Nicotine free	4.08912062	0.45305099	1.78E-19	1.12E-17
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	4 hydroxy tetrahydrodipicolinate synthase EC 4 3 3 7	Vapor Type	Nicotine free	3.60049086	0.40120163	1.04E-19	5.29E-18
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	LL diaminopimelate aminotransferase EC 2 6 1 83	Vapor Type	Nicotine free	3.1487107	0.39429691	1.58E-15	6.94E-14
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	homoserine dehydrogenase EC 1 1 1 3	Vapor Type	Nicotine free	3.78324488	0.49010223	1.17E-14	4.71E-13
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	diaminopimelate epimerase EC 5 1 1 7	Vapor Type	Nicotine plus	3.37493448	0.45560777	1.29E-13	4.60E-12
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	aspartate semialdehyde dehydrogenase EC 1 2 1 11	Vapor Type	Nicotine plus	6.20088776	0.35538502	1.67E-13	5.93E-12
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	diaminopimelate dehydrogenase EC 1 4 1 16	Vapor Type	Nicotine free	5.07124747	0.71662109	1.48E-12	4.71E-11
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	LL diaminopimelate aminotransferase EC 2 6 1 83	Vapor Type	Nicotine plus	2.67604315	0.39618646	1.43E-11	4.10E-10
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	4 hydroxy tetrahydrodipicolinate synthase EC 4 3 3 7	Vapor Type	Nicotine plus	2.61281034	0.42113268	5.50E-10	1.36E-08
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	diaminopimelate dehydrogenase EC 1 4 1 16	Vapor Type	Nicotine plus	4.20098923	0.7187259	4.85E-09	1.09E-07
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	homoserine dehydrogenase EC 1 1 1 3	Vapor Type	Nicotine plus	2.7322608	0.49079122	2.59E-08	5.41E-07
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	diaminopimelate decarboxylase EC 4 1 1 20	Vapor Type	Nicotine free	3.14521947	0.59068227	1.01E-07	1.99E-06
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	tetrahydrodipicolinate N acetyltransferase EC 2 3 1 89	Vapor Type	Nicotine free	2.34155737	0.56306175	3.20E-05	0.00074143
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	diaminopimelate decarboxylase EC 4 1 1 20	Vapor Type	Nicotine plus	2.092871	0.59127344	0.00040074	0.005124488
Metabolism Amino acid metabolism	ko00300	Lysine biosynthesis	core	N acetyldiaminopimelate deacetylase EC 3 5 1 47	Vapor Type	Nicotine free	2.50051942	0.73435218	0.00066147	0.008112386
Metabolism Amino acid metabolism	ko00310	Lysine degradation	core	D alanine transaminase EC 2 6 1 21	Vapor Type	Nicotine free	4.77153688	0.39891997	5.68E-33	8.53E-31
Metabolism Amino acid metabolism	ko00310	Lysine degradation	core	D alanine transaminase EC 2 6 1 21	Vapor Type	Nicotine plus	3.52835721	0.40255274	1.87E-18	1.06E-16
Metabolism Amino acid metabolism	ko00310	Lysine degradation	core	histone lysine N methyltransferase SETMAR EC 2 1 1 43	Vapor Type	Nicotine plus	2.58338982	0.71708702	0.00031503	0.004096307
Metabolism Amino acid metabolism	ko00310	Lysine degradation	core	histone lysine N methyltransferase SETMAR EC 2 1 1 43	Vapor Type	Nicotine free	2.25793422	0.71824521	0.00168337	0.019144228
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	histidinol phosphate aminotransferase EC 2 6 1 9	Vapor Type	Nicotine free	4.11501761	0.24463668	1.71E-61	7.71E-61
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	histidinol phosphate aminotransferase EC 2 6 1 9	Vapor Type	Nicotine plus	2.93789445	0.24865674	2.91E-32	4.20E-30
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	indole 3 glycerol phosphate synthase phosphoribosylanthra	Vapor Type	Nicotine free	3.7141482	0.41520003	1.04E-10	6.70E-08
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	shikimate inase EC 2 7 1 71	Vapor Type	Nicotine free	3.17202834	0.37089281	1.21E-17	6.43E-16
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	3 deoxy 7 phosphoheptulonate synthase EC 2 5 1 54	Vapor Type	Nicotine free	4.24132874	0.50576732	5.02E-17	2.53E-15
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	shikimate dehydrogenase EC 1 1 1 25	Vapor Type	Nicotine free	3.14818998	0.3959826	1.86E-15	8.13E-14
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	aromatic amino acid transaminase EC 2 6 1 57	Vapor Type	Nicotine free	4.5628361	0.60345718	3.99E-14	1.52E-12
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	indole 3 glycerol phosphate synthase phosphoribosylanthra	Vapor Type	Nicotine plus	3.14693732	0.41682893	4.36E-14	1.65E-12
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	chorismate mutase EC 5 4 9 59	Vapor Type	Nicotine free	4.862088	0.66078246	1.87E-13	6.56E-12
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	3 deoxy 7 phosphoheptulonate synthase EC 2 5 1 54	Vapor Type	Nicotine plus	3.65674015	0.50739783	5.73E-13	1.91E-11
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	3 dehydroquinate dehydratase I EC 4 2 1 10	Vapor Type	Nicotine free	3.51088012	0.49756132	1.71E-12	5.41E-11
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	shikimate inase EC 2 7 1 71	Vapor Type	Nicotine plus	2.34693476	0.73235374	2.92E-10	7.34E-09
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	aromatic amino acid transaminase EC 2 6 1 57	Vapor Type	Nicotine plus	3.80146477	0.60427982	3.16E-10	7.91E-09
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	chorismate mutase EC 5 4 9 59	Vapor Type	Nicotine plus	3.71520546	0.66600367	2.43E-08	5.08E-07
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	phosphoribosylanthranilate isomerase EC 5 3 1 24	Vapor Type	Nicotine plus	3.17519356	0.64016558	7.05E-07	1.25E-05
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	shikimate dehydrogenase EC 1 1 1 25	Vapor Type	Nicotine plus	1.96383693	0.39826299	8.16E-07	1.44E-05
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	3 dehydroquinate dehydratase I EC 4 2 1 10	Vapor Type	Nicotine plus	2.45864033	0.49868095	8.21E-07	1.45E-05
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	histidinol phosphate aminotransferase EC 2 6 1 9	Biofilm type	Intermediate	-0.5486226	0.12600022	1.34E-05	0.000205303
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	3 dehydroquinate dehydratase IIEC 4 2 1 10	Vapor Type	Nicotine free	2.12200829	0.66662258	0.00145646	0.016868782
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	chorismate mutase EC 5 4 9 59	Biofilm type	Intermediate	-0.6268758	0.2084802	0.00263941	0.029265256
Metabolism Amino acid metabolism	ko00400	Phenylalanine tyrosine and tryptophan biosynthesis	core	phosphoribosylanthranilate isomerase EC 5 3 1 24	Vapor Type	Nicotine plus	1.88921644	0.6415896	0.00323386	0.03321353
Metabolism Amino acid metabolism	ko00360	Phenylalanine metabolism	core	acyl CoA thioesterase EC 3 1 2	Vapor Type	Nicotine free	2.78357669	0.53493538	1.21E-17	9.71E-16
Metabolism Amino acid metabolism	ko00360	Phenylalanine metabolism	core	acyl CoA thioesterase EC 3 1 2	Vapor Type	Nicotine plus	2.85932462	0.58742753	1.21E-16	9.71E-15
Metabolism Amino acid metabolism	ko00360	Phenylalanine metabolism	core	acyl CoA thioesterase EC 3 1 2	Vapor Type	Nicotine plus	1.92417845	0.55839594	0.00056915	0.007071232
Metabolism Amino acid metabolism	ko00360	Phenylalanine metabolism	core	D amino acid dehydrogenase EC 1 4 5 1	Vapor Type	Nicotine plus	2.36274256	0.69417344	0.00066495	0.008150053
Metabolism Amino acid metabolism	ko00350	Tyrosine metabolism	core	alcohol dehydrogenase propanol preferring EC 1 1 1 1	Vapor Type	Nicotine free	4.89672812	0.33387509	1.06E-48	3.04E-46
Metabolism Amino acid metabolism	ko00350	Tyrosine metabolism	core	alcohol dehydrogenase propanol preferring EC 1 1 1 1	Vapor Type	Nicotine plus	3.70217796	0.33596366	3.07E-28	3.53E-26
Metabolism Amino acid metabolism	ko00350	Tyrosine metabolism	core	maleylpyruvate isomerase EC 5 2 1 4	Biofilm type	Pathogen-rich	-2.5946056	0.56485647	4.36E-06	7.08E-05
Metabolism Amino acid metabolism	ko00350	Tyrosine metabolism	core	maleylpyruvate isomerase EC 5 2 1 4	Biofilm type	Intermediate	-4.1941552	1.22142638	0.00059514	0.007361569
Metabolism Amino acid metabolism	ko00290	Valine leucine and isoleucine biosynthesis	core	etol acid reductoisomerase EC 1 1 1 86	Vapor Type	Nicotine free	3.99947639	0.37116656	4.50E-27	4.77E-25
Metabolism Amino acid metabolism	ko00290	Valine leucine and isoleucine biosynthesis	core	etol acid reductoisomerase EC 1 1 1 86	Vapor Type	Nicotine plus	2.93415211	0.37216061	3.17E-15	1.35E-13
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	2 oxoisovalerate dehydrogenase E1 component alpha subunit	Vapor Type	Nicotine free	6.00518887	0.86465622	3.78E-12	1.14E-10
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	acetyl CoA propionyl CoA carboxylase biotin carboxylase biotin	Biofilm type	Pathogen-rich	-2.7985694	0.51044012	4.19E-08	8.55E-07
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	hydroxymethylglutaryl CoA synthase EC 2 3 3 10	Vapor Type	Nicotine free	3.27326261	0.61239903	9.12E-08	1.80E-06
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	2 oxoisovalerate dehydrogenase E1 component alpha subunit	Vapor Type	Nicotine plus	4.07353107	0.87099092	2.91E-06	4.82E-05
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	acetyl CoA propionyl CoA carboxylase biotin carboxylase biotin	Biofilm type	Intermediate	-3.9881445	0.90655909	1.09E-05	0.000168522
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	2 oxoisovalerate dehydrogenase E1 component alpha subunit	Biofilm type	Pathogen-rich	0.35515503	0.09325973	0.00013996	0.00193968
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	hydroxymethylglutaryl CoA synthase EC 2 3 3 10	Vapor Type	Nicotine plus	2.13646289	0.61328812	0.00049468	0.006219912
Metabolism Amino acid metabolism	ko00280	Valine leucine and isoleucine degradation	core	2 oxoisovalerate dehydrogenase E1 component beta subunit	Vapor Type	Nicotine free	7.41781908	2.23882754	0.00092215	0.011052533
Metabolism Biosynthesis of other secondary metabolites	ko00525	Acarbose and validamycin biosynthesis	core	glucose 1 phosphate thymidyltransferase EC 27 7 24	Vapor Type	Nicotine free	3.40515986	0.35109771	3.06E-22	2.40E-20
Metabolism Biosynthesis of other secondary metabolites	ko00525	Acarbose and validamycin biosynthesis	core	glucose 1 phosphate thymidyltransferase EC 27 7 24	Vapor Type					

Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	UDP N acetylglucosamine 2 epimerase nonhydrolyzing EC 5.1.3.13	Vapor Type	Nicotine plus	2.23698378	0.38996903	9.68E-09	2.13E-07
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	N acetylglucosamine 6 phosphate 2 epimerase EC 5.1.3.9	Vapor Type	Nicotine plus	2.37162434	0.47057164	1.27E-08	2.74E-07
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	UDP N acetylglucosamine UDP N acetylglactosamine diphosphate	Biofilm type	Pathogen-rich	2.4108038	0.44615511	6.53E-08	1.31E-06
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	phosphoglucomutase EC 5.4.2.10	Vapor Type	Nicotine plus	2.41991769	0.49306663	9.20E-07	1.61E-05
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	UDP N acetylglucosamine UDP N acetylglactosamine diphosphate	Biofilm type	Intermediate	-3.431509	0.72329884	2.09E-06	3.53E-05
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	UDP glucose 4 epimerase EC 5.1.3.2	Vapor Type	Nicotine plus	2.14545403	0.48478844	9.62E-06	0.000150529
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	glucosamine 6 phosphate deaminase EC 3.5.99.6	Vapor Type	Nicotine plus	1.76980025	0.48904072	0.00029583	0.003859871
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	glucose 1 phosphate adenylyltransferase EC 2.7.7.27	Vapor Type	Nicotine free	2.37162434	0.66968678	0.00039802	0.00592207
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	UDP N acetyl D glucosamine dehydrogenase EC 1.1.1.136	Biofilm type	Pathogen-rich	1.8433215	0.5976341	0.0023836	0.0230377
Metabolism Carbohydrate metabolism	ko00520	Amino sugar and nucleotide sugar metabolism	core	UDP glucose 5 dehydrogenase EC 1.1.1.22	Biofilm type	Intermediate	1.0848875	0.55198131	0.00205557	0.02312546
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	aldehyde dehydrogenase NAD EC 1.2.1.3	Vapor Type	Nicotine free	5.80004613	0.47639439	4.23E-34	6.83E-32
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	PTS system ascorbate specific IIC component	Vapor Type	Nicotine free	3.32081163	0.32172707	4.06E-25	3.81E-23
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	aldehyde dehydrogenase NAD EC 1.2.1.3	Vapor Type	Nicotine plus	3.64205427	0.48011498	3.30E-14	1.26E-12
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	PTS system ascorbate specific IIC component	Vapor Type	Nicotine plus	2.41087382	0.32345231	9.08E-14	3.32E-12
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	3 dehydro L gulonate 6 phosphate decarboxylase EC 4.1.1.89	Biofilm type	Intermediate	-2.1074258	0.52914375	6.81E-05	0.000965028
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	3 dehydro L gulonate 6 phosphate decarboxylase EC 4.1.1.89	Biofilm type	Pathogen-rich	-1.9832537	0.50084796	7.50E-05	0.001056939
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	L ribulose 5 phosphate 4 epimerase EC 5.1.3.4	Vapor Type	Nicotine free	2.11049227	0.57589234	0.00024774	0.003262663
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	3 dehydro L gulonate 6 phosphate decarboxylase EC 4.1.1.89	Vapor Type	Nicotine free	2.04769509	0.57920685	0.00040725	0.005196524
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	L ribulose 5 phosphate 3 epimerase EC 5.1.3.22	Vapor Type	Nicotine free	1.68099259	0.51963257	0.00120943	0.014211428
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	PTS system ascorbate specific IIC component	Biofilm type	Intermediate	-0.9270267	0.30995113	0.00278175	0.030697678
Metabolism Carbohydrate metabolism	ko00053	Ascorbate and aldarate metabolism	core	L ribulose 5 phosphate 4 epimerase EC 5.1.3.4	Biofilm type	Intermediate	-1.5673183	0.54763431	0.00421004	0.044745933
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	R R butanediol dehydrogenase meso butanediol dehydrogenase	Vapor Type	Nicotine free	4.33687451	0.38855282	6.28E-29	7.50E-27
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	acetylacetyl synthase I II III large subunit EC 2.2.1.6	Vapor Type	Nicotine free	3.83857102	0.2420839	1.27E-56	4.91E-54
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	acetylacetyl synthase I II III large subunit EC 2.2.1.6	Vapor Type	Nicotine plus	2.6916924	0.24296208	1.59E-28	1.87E-26
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	acetylacetyl synthase I II III small subunit EC 2.2.1.6	Vapor Type	Nicotine free	3.52940814	0.28952525	3.50E-34	5.69E-32
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	formate C acetyltransferase EC 2.3.1.54	Vapor Type	Nicotine free	3.65577955	0.39664574	3.06E-20	2.07E-18
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	acetylacetyl synthase I II III small subunit EC 2.2.1.6	Vapor Type	Nicotine plus	2.57001743	0.29182056	1.29E-18	7.46E-17
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	R R butanediol dehydrogenase meso butanediol dehydrogenase	Vapor Type	Nicotine plus	3.3007049	0.39009044	2.64E-17	1.36E-15
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	4 aminobutyrate aminotransferase EC 2.6.1.19	Vapor Type	Nicotine free	6.4851465	0.50930632	9.88E-13	3.22E-11
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	formate C acetyltransferase EC 2.3.1.54	Vapor Type	Nicotine plus	2.41187603	0.35687279	3.85E-12	1.47E-10
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	4 aminobutyrate aminotransferase EC 2.6.1.19	Vapor Type	Nicotine plus	4.31719747	0.91416876	2.33E-06	3.91E-05
Metabolism Carbohydrate metabolism	ko00650	Butanoate metabolism	core	enoyl CoA hydratase EC 4.2.1.17	Vapor Type	Nicotine free	2.37353605	0.54859966	1.51E-05	0.000231916
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	acetylacetyl synthase EC 4.1.1.5	Vapor Type	Nicotine free	1.94093823	0.0835557	2.28E-119	2.06E-116
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	3 isopropylmalate dehydrogenase EC 1.1.1.85	Vapor Type	Nicotine free	3.5471019	0.37834769	6.90E-21	4.89E-19
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	acetylacetyl synthase EC 4.1.1.5	Vapor Type	Nicotine plus	0.74985607	0.09480849	2.59E-15	1.11E-13
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	3 isopropylmalate R 2 methylmalate dehydratase large subunit	Vapor Type	Nicotine free	3.41949572	0.45464085	5.42E-14	2.09E-12
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	3 isopropylmalate dehydrogenase EC 1.1.1.85	Vapor Type	Nicotine plus	2.51090849	0.37954669	3.70E-11	1.02E-09
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	acetylacetyl synthase EC 4.1.1.5	Biofilm type	Intermediate	-0.3251871	0.0618666	1.47E-07	2.82E-06
Metabolism Carbohydrate metabolism	ko00660	C5 branched dibasic acid metabolism	core	3 isopropylmalate R 2 methylmalate dehydratase large subunit	Vapor Type	Nicotine plus	2.31258484	0.45557014	3.85E-07	7.05E-06
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	malate dehydrogenase quinone EC 1.1.5.4	Vapor Type	Nicotine free	5.81386234	0.42303272	5.59E-43	1.30E-40
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	2 oxoglutarate dehydrogenase E1 component EC 1.2.4.2	Vapor Type	Nicotine free	4.17663007	0.36256443	1.05E-30	1.40E-28
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	succinate dehydrogenase fumarate reductase flavoprotein	Vapor Type	Nicotine free	5.31840784	0.34601302	2.58E-53	8.65E-51
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	succinate dehydrogenase fumarate reductase flavoprotein	Vapor Type	Nicotine plus	3.92164681	0.34797857	1.85E-29	2.28E-27
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	succinate dehydrogenase fumarate reductase iron sulfur	Vapor Type	Nicotine free	5.17221338	0.48875763	3.60E-26	3.61E-24
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	aconitate hydratase EC 4.2.1.3	Vapor Type	Nicotine free	3.61716161	0.34216696	4.05E-26	4.04E-24
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	succinate dehydrogenase fumarate reductase cytochrome	Vapor Type	Nicotine free	5.44756542	0.55566725	1.09E-22	8.71E-21
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	malate dehydrogenase quinone EC 1.1.5.4	Vapor Type	Nicotine plus	3.1737455	0.42557607	2.44E-18	1.37E-16
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	succinate dehydrogenase fumarate reductase iron sulfur	Vapor Type	Nicotine plus	3.84304761	0.49189973	5.60E-15	2.33E-13
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	succinate dehydrogenase fumarate reductase cytochrome	Vapor Type	Nicotine plus	3.98807872	0.58952536	9.88E-13	3.16E-11
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	fumarate hydratase subunit alpha EC 4.2.1.2	Vapor Type	Nicotine plus	2.41187603	0.35687279	3.85E-12	1.47E-10
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	2 oxoglutarate dehydrogenase E1 component EC 1.2.4.2	Vapor Type	Nicotine plus	2.33815912	0.36787249	2.07E-10	5.30E-09
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	aconitate hydratase EC 4.2.1.3	Vapor Type	Nicotine plus	2.02519704	0.34564614	4.65E-09	1.05E-07
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	fumarate hydratase subunit beta EC 4.2.1.2	Vapor Type	Nicotine free	3.88275074	0.6732121	8.05E-09	1.78E-07
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	fumarate hydratase subunit alpha EC 4.2.1.2	Vapor Type	Nicotine plus	3.65783136	0.64823478	1.67E-08	3.57E-07
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	fumarate hydratase subunit beta EC 4.2.1.2	Vapor Type	Nicotine plus	3.14494095	0.67687626	3.38E-06	5.56E-05
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	fumarate hydratase class I EC 4.2.1.2	Vapor Type	Nicotine free	2.19540817	0.57153509	0.00012241	0.001676756
Metabolism Carbohydrate metabolism	ko00020	Citrate cycle TCA cycle	core	fumarate hydratase class I EC 4.2.1.2	Vapor Type	Nicotine plus	1.94458411	0.57531221	0.00072472	0.008839287
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	fructose 1,6 biphosphatase III EC 3.1.3.11	Vapor Type	Nicotine free	4.50103584	0.4261031	4.41E-26	4.39E-24
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system fructose specific IID component	Vapor Type	Nicotine free	3.74711623	0.4470431	5.20E-17	2.61E-15
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	1 phosphofructonase EC 2.7.1.56	Vapor Type	Nicotine free	3.56615377	0.44952346	2.14E-15	9.30E-14
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	fructose 1,6 biphosphatase III EC 3.1.3.11	Vapor Type	Nicotine plus	3.27163508	0.42736801	1.93E-14	7.54E-13
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	mannose 6 phosphate isomerase EC 5.3.1.8	Vapor Type	Nicotine free	3.42343889	0.49193154	3.42E-12	1.04E-10
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system glucitol sorbitol specific IIC component	Biofilm type	Pathogen-rich	-2.3182413	0.33921763	8.25E-12	2.42E-10
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system fructose specific IID component	Vapor Type	Nicotine plus	2.9719771	0.45062454	4.25E-11	1.16E-09
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system glucitol sorbitol specific IIC component	Biofilm type	Intermediate	-2.8456545	0.43320852	5.07E-11	1.38E-09
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system glucitol sorbitol specific IIC component	Vapor Type	Nicotine free	3.16610928	0.48332671	5.73E-11	1.55E-09
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	1 phosphofructonase EC 2.7.1.56	Vapor Type	Nicotine plus	2.42828731	0.45077231	7.17E-08	1.43E-06
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	L iditol 2 dehydrogenase EC 1.1.1.14	Biofilm type	Pathogen-rich	-2.3174035	0.43273794	8.55E-08	1.69E-06
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	L iditol 2 dehydrogenase EC 1.1.1.14	Biofilm type	Intermediate	-3.292012	0.68426573	1.50E-06	2.58E-05
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	mannose 6 phosphate isomerase EC 5.3.1.8	Vapor Type	Nicotine free	3.86665943	0.44836314	2.45E-09	0.000203652
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system glucitol sorbitol specific IIA component EC 2.7.1	Biofilm type	Pathogen-rich	-2.402536	0.59032338	4.71E-05	0.000679809
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system glucitol sorbitol specific IIA component EC 2.7.1	Biofilm type	Intermediate	-3.2130963	0.86427948	0.00020108	0.002677953
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	L iditol 2 dehydrogenase EC 1.1.1.14	Vapor Type	Nicotine free	4.98790998	1.50897889	0.00094812	0.011350982
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	PTS system glucitol sorbitol specific IIA component EC 2.7.1	Vapor Type	Nicotine free	4.07785596	1.26377898	0.0012522	0.014662222
Metabolism Carbohydrate metabolism	ko00051	Fructose and mannose metabolism	core	fructose 1,6 biphosphatase I EC 3.1.3.11	Vapor Type	Nicotine free	1.77890559	0.58119551	0.00207069	0.024767741
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	6 phospho beta galactosidase EC 3.2.1.85	Vapor Type	Nicotine free	5.06875304	0.34305763	2.12E-49	6.30E-47
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	6 phospho beta galactosidase EC 3.2.1.85	Vapor Type	Nicotine plus	3.91983868	0.34462057	5.61E-30	7.16E-28
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	tagatase 1,6 diphosphate aldolase EC 4.1.2.40	Vapor Type	Nicotine free	2.78998336	0.0858669	1.42E-231	2.70E-228
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	tagatase 1,6 diphosphate aldolase EC 4.1.2.40	Vapor Type	Nicotine plus	1.75782075	0.0902471	1.69E-84	1.11E-81
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	PTS system lactose specific IIC component	Vapor Type	Nicotine free	5.31610925	0.39452807	2.21E-41	4.86E-39
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	PTS system lactose specific IIC component	Vapor Type	Nicotine plus	4.17915779	0.39610387	5.04E-26	5.00E-24
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	tagatase 1,6 diphosphate aldolase EC 4.1.2.40	Biofilm type	Pathogen-rich	-0.311075	0.04197746	1.26E-13	4.51E-12
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	PTS system galactitol specific IIA component EC 2.7.1.200	Biofilm type	Pathogen-rich	-2.5508387	0.35056929	3.43E-13	1.17E-11
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	tagatase 1,6 diphosphate aldolase EC 4.1.2.40	Biofilm type	Intermediate	-0.2971187	0.04180924	1.19E-12	3.84E-11
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	PTS system galactitol specific IIA component EC 2.7.1.200	Biofilm type	Intermediate	-2.8221472	0.39795473	1.33E-12	4.26E-11
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	PTS system galactitol specific IIA component EC 2.7.1.200	Vapor Type	Nicotine free	3.015326	0.43482696	4.08E-12	1.23E-10
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	beta fructofuranosidase EC 3.2.1.26	Vapor Type	Nicotine free	3.76027595	0.55420337	1.16E-11	3.36E-10
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core	glucosamine EC 2.7.1.2	Vapor Type	Nicotine free	3.11465931	0.48372637	1.20E-10	3.15E-09
Metabolism Carbohydrate metabolism	ko00052	Galactose metabolism	core							

Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		diphosphate dependent phosphofructinase EC 2 7 1 90	Biofilm type	Pathogen-rich	-2.2651728	0.39725283	1.18E-08	2.57E-07
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		pyruvate dehydrogenase E1 component alpha subunit EC 1 2	Vapor Type	Nicotine plus	2.38692602	0.51229013	3.17E-06	5.23E-05
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis	core	polyphosphate glucinase EC 2 7 1 63	Biofilm type	Pathogen-rich	-2.3115067	0.53754012	1.71E-05	0.00025947
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis	core	glucose 6 phosphate 1 epimerase EC 5 3 1 35	Vapor Type	Nicotine free	3.05134383	0.71863489	2.18E-05	0.000326402
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis	core	diphosphate dependent phosphofructinase EC 2 7 1 90	Biofilm type	Intermediate	-4.2157056	1.00972602	2.98E-05	0.00041007
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		glucose 6 phosphate 1 epimerase EC 5 3 1 35	Biofilm type	Intermediate	-1.7694726	0.43689595	5.11E-05	0.000735402
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		6 phospho beta glucosidase EC 3 2 1 86	Vapor Type	Nicotine free	2.64777681	0.6572878	5.62E-05	0.00080351
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		6 phospho beta glucosidase EC 3 2 1 86	Biofilm type	Pathogen-rich	-2.5297249	0.63534652	6.84E-05	0.000968584
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		glucose 6 phosphate 1 epimerase EC 5 3 1 35	Biofilm type	Pathogen-rich	1.6000457	0.40675607	8.37E-05	0.001770587
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis		6 phospho beta glucosidase EC 3 2 1 86	Vapor Type	Nicotine plus	2.01186064	0.5169332	9.95E-05	0.001315833
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis	core	pyruvate dehydrogenase E1 component EC 1 2 4 1	Biofilm type	Intermediate	-2.7989734	0.72077886	0.00010254	0.001418035
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis	core	polyphosphate glucinase EC 2 7 1 63	Vapor Type	Intermediate	-2.36693566	0.61924784	0.00012356	0.001806467
Metabolism Carbohydrate metabolism	ko0010	Glycolysis	Gluconeogenesis	core	polyphosphate glucinase EC 2 7 1 63	Biofilm type	Intermediate	-3.6704258	1.02419176	0.00033872	0.004387275
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glycine hydroxymethyltransferase EC 2 1 2 1	Vapor Type	Nicotine free	3.71480001	0.38400406	3.89E-22	3.04E-20
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			glutamate synthase ferredoxin EC 1 4 7 1	Vapor Type	Nicotine free	4.74535386	0.58065359	3.02E-16	1.42E-14
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glycine cleavage system H protein	Vapor Type	Nicotine free	4.8713704	0.63179456	1.25E-14	5.03E-13
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glutamate synthase ferredoxin EC 1 4 7 1	Vapor Type	Nicotine plus	4.28194112	0.58106644	1.72E-13	6.07E-12
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glycerate 2 inase EC 2 7 1 165	Vapor Type	Nicotine free	3.3231595	0.46346851	7.49E-13	2.46E-11
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glycine hydroxymethyltransferase EC 2 1 2 1	Vapor Type	Nicotine plus	2.56891084	0.38050514	2.53E-11	7.10E-10
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			propionyl CoA carboxylase beta chain EC 6 4 1 3	Biofilm type	Pathogen-rich	-2.0517477	0.31072515	4.03E-11	1.11E-09
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	lactaldehyde reductase EC 1 1 1 77	Vapor Type	Nicotine free	3.0770049	0.46960767	5.33E-11	1.45E-09
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			propionyl CoA carboxylase beta chain EC 6 4 1 3	Biofilm type	Intermediate	-2.774078	0.43195623	1.40E-10	3.63E-09
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			lactaldehyde reductase EC 1 1 1 77	Vapor Type	Nicotine plus	2.4227885	0.4731511	3.04E-07	5.62E-06
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			2 dehydro 3 deoxyphosphogluconate aldolase4S 4 hydroxy 2	Vapor Type	Nicotine free	3.2571015	0.70158072	3.43E-06	5.63E-05
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glycine cleavage system H protein	Vapor Type	Nicotine plus	2.83051604	0.6476831	1.24E-05	0.000191471
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			dihydrolypoamide dehydrogenase EC 1 8 1 4	Vapor Type	Nicotine free	3.5764682	0.82544963	1.47E-05	0.000255851
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metab		core	glycerate 2 inase EC 2 7 1 165	Vapor Type	Nicotine plus	1.86162405	0.4648876	6.22E-05	0.00084873
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			2 dehydro 3 deoxyphosphogluconate aldolase4S 4 hydroxy 2	Vapor Type	Nicotine plus	2.5788366	0.71016359	0.00028196	0.003689755
Metabolism Carbohydrate metabolism	ko00630	Glyoxylate and dicarboxylate metabolism			propionyl CoA carboxylase beta chain EC 6 4 1 3	Vapor Type	Nicotine free	5.41113838	0.45617563	0.00029128	0.003804172
Metabolism Carbohydrate metabolism	ko00630	Insitol phosphate metabolism			malonate semialdehyde dehydrogenase acetylating met	Biofilm type	Pathogen-rich	-3.0897783	0.51693024	0.00075617	0.009197529
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconve		core	glucuronate isomerase EC 5 3 1 12	Biofilm type	Pathogen-rich	-1.9564617	0.27145992	5.71E-13	1.91E-11
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconve		core	glucuronate isomerase EC 5 3 1 12	Biofilm type	Intermediate	-2.563597	0.35590824	6.84E-13	2.26E-11
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			glucuronate isomerase EC 5 3 1 12	Vapor Type	Nicotine free	2.75017608	0.39854623	5.18E-12	1.54E-10
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			mannonate dehydratase EC 4 2 1 8	Biofilm type	Intermediate	-3.2469789	0.86921971	0.00018734	0.00250935
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			glucuronosyltransferase EC 2 4 1 17	Vapor Type	Nicotine plus	1.83592974	0.49365029	0.00019894	0.002662815
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			mannonate dehydratase EC 4 2 1 8	Biofilm type	Pathogen-rich	-2.5405439	0.78328267	0.00118089	0.013903569
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			glucuronosyltransferase EC 2 4 1 17	Vapor Type	Nicotine free	1.61338356	0.50204205	0.00131063	0.01530272
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			4 deoxy L three S hexulosulose uronate etol isomerase EC 5 3	Biofilm type	Pathogen-rich	-3.069938	0.95697814	0.00133685	0.015815458
Metabolism Carbohydrate metabolism	ko00400	Pentose and glucuronate interconversions			4 deoxy L three S hexulosulose uronate etol isomerase EC 5 3	Biofilm type	Intermediate	-3.394799	1.11878845	0.00241052	0.026890515
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			transaldolase EC 2 2 1 2	Vapor Type	Nicotine free	4.1673286	0.27689732	3.45E-51	1.09E-48
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			transaldolase EC 2 2 1 2	Vapor Type	Nicotine plus	2.98582585	0.28077868	2.07E-26	2.11E-24
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			glucunoinase EC 2 7 1 12	Vapor Type	Nicotine free	5.60895211	0.55415305	4.43E-24	3.88E-22
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			ribulose phosphate 3 epimerase EC 5 3 1 3	Vapor Type	Nicotine free	3.6852647	0.73735038	5.76E-23	4.69E-21
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			transketolase EC 2 2 1 1	Vapor Type	Nicotine free	3.17420944	0.34604991	4.61E-20	3.08E-18
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	6 phosphogluconolactonase EC 3 1 3 131	Vapor Type	Nicotine free	4.92023976	0.59871362	2.07E-16	9.88E-15
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			2 dehydro 3 deoxyglucunoinase EC 2 7 1 45	Biofilm type	Pathogen-rich	-2.5665041	0.33777536	3.00E-14	1.15E-12
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			2 dehydro 3 deoxyglucunoinase EC 2 7 1 45	Biofilm type	Intermediate	-3.1506535	0.44506889	1.45E-12	4.64E-11
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			6 phospho 3 hexululose isomerase EC 5 3 1 27	Vapor Type	Nicotine free	5.30980311	0.75112151	1.56E-12	4.96E-11
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			ribulose phosphate 3 epimerase EC 5 3 1 3	Vapor Type	Nicotine plus	2.59327273	0.3751578	4.72E-12	1.43E-10
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			2 dehydro 3 deoxyglucunoinase EC 2 7 1 45	Vapor Type	Nicotine plus	3.08973847	0.44504728	6.20E-12	1.84E-10
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			6 phosphogluconolactonase EC 3 1 3 131	Vapor Type	Nicotine plus	4.11075571	0.60015867	7.41E-12	2.19E-10
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	glucunoinase EC 2 7 1 12	Vapor Type	Nicotine plus	3.55627078	0.56043935	2.22E-10	5.64E-09
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			6 phosphofructinase I EC 2 7 1 11	Vapor Type	Nicotine free	3.12317673	0.51616227	1.44E-09	3.43E-08
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	transketolase EC 2 2 1 1	Vapor Type	Nicotine plus	2.06970146	0.34700416	2.45E-09	5.70E-08
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			3 hexulose 6 phosphate synthase EC 4 1 2 43	Biofilm type	Pathogen-rich	0.68462792	0.11667862	4.42E-09	9.99E-08
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	6 phosphogluconolactonase EC 3 1 3 131	Vapor Type	Nicotine free	3.13862525	0.58292177	7.27E-08	1.45E-06
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	6 phospho 3 hexululose isomerase EC 5 3 1 27	Biofilm type	Pathogen-rich	0.65118633	0.12496181	1.88E-07	3.56E-06
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			ATP dependent phosphofructinase diphosphate dependent	Biofilm type	Pathogen-rich	-2.8564784	0.64705481	1.01E-05	0.000157898
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			3 hexulose 6 phosphate synthase EC 4 1 2 43	Vapor Type	Nicotine free	7.04685793	1.67150313	2.49E-05	0.000370822
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	transaldolase EC 2 2 1 2	Biofilm type	Intermediate	-0.6478243	0.15895372	4.59E-05	0.00063943
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			6 phosphofructinase I EC 2 7 1 11	Vapor Type	Nicotine plus	2.08387973	0.51688539	5.54E-05	0.000793682
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			6 phospho 3 hexululose isomerase EC 5 3 1 27	Vapor Type	Nicotine plus	3.06767805	0.76650521	6.28E-05	0.000892557
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			ATP dependent phosphofructinase diphosphate dependent	Biofilm type	Intermediate	-3.5546836	0.90475051	8.53E-05	0.001192451
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			6 phosphogluconolactonase EC 3 1 3 131	Vapor Type	Nicotine plus	2.23061533	0.58416773	0.00013429	0.001828247
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			ribose 5 phosphate isomerase A EC 5 3 1 6	Vapor Type	Nicotine free	2.54661056	0.71150858	0.00034469	0.00459094
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			ATP dependent phosphofructinase diphosphate dependent	Vapor Type	Nicotine free	4.22928821	1.23479936	0.00061463	0.007576163
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			phosphogluconate dehydratase EC 4 2 1 12	Vapor Type	Nicotine free	2.17611188	0.69181861	0.00165806	0.019038239
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway			phosphogluconate dehydratase EC 4 2 1 12	Vapor Type	Nicotine plus	1.97209064	0.69580627	0.00448666	0.047339125
Metabolism Carbohydrate metabolism	ko00030	Pentose phosphate pathway		core	3 hexulose 6 phosphate synthase EC 4 1 2 43	Vapor Type	Nicotine plus	4.75972925	1.67758261	0.00436558	0.048697105
Metabolism Carbohydrate metabolism	ko00030	Propanoate metabolism		core	acetyl CoA synthetase EC 6 2 1 5	Vapor Type	Nicotine plus	3.58465966	0.9274447	3.62E-12	3.86E-10
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism		core	succinyl CoA synthetase beta subunit EC 6 2 1 5	Vapor Type	Nicotine free	4.61145295	0.443612	2.61E-25	2.49E-23
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism		core	alcohol dehydrogenase EC 1 1 1	Vapor Type	Nicotine free	5.03158914	0.44525179	1.30E-29	1.63E-27
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			succinyl CoA synthetase alpha subunit EC 6 2 1 5	Vapor Type	Nicotine free	4.5254317	0.46086235	9.28E-23	7.47E-21
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			NADP dependent alcohol dehydrogenase EC 1 1	Vapor Type	Nicotine free	3.24129946	0.36506472	6.76E-19	4.05E-17
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism		core	alcohol dehydrogenase EC 1 1 1	Vapor Type	Nicotine plus	3.93788578	0.44693065	1.24E-18	7.21E-17
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			methylmalonyl CoA carboxyltransferase 5S subunit EC 2 1 3	Biofilm type	Pathogen-rich	-2.5314404	0.32576237	7.80E-15	3.19E-13
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			NADP dependent alcohol dehydrogenase EC 1 1	Vapor Type	Nicotine plus	2.65954816	0.36754428	4.62E-13	1.56E-11
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			methylmalonyl CoA carboxyltransferase 12S subunit EC 2 1	Biofilm type	Pathogen-rich	-2.4312369	0.3601747	1.48E-11	4.22E-10
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism		core	acetyl CoA synthetase EC 6 2 1 1	Vapor Type	Nicotine plus	2.5169313	0.39596213	2.06E-10	5.28E-09
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			succinyl CoA synthetase beta subunit EC 6 2 1 5	Vapor Type	Nicotine plus	2.77707188	0.45176745	7.89E-10	1.92E-08
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			succinyl CoA synthetase alpha subunit EC 6 2 1 5	Vapor Type	Nicotine plus	2.75495656	0.47036501	4.71E-09	1.06E-07
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			methylmalonyl CoA carboxyltransferase 5S subunit EC 2 1 3	Biofilm type	Intermediate	-4.4339906	0.81649233	5.62E-08	1.13E-06
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			methylmalonyl CoA mutase C terminal domain EC 5 4 9 9 2	Vapor Type	Nicotine free	4.89956417	0.92308839	1.11E-07	2.17E-06
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			propanediol dehydratase large subunit EC 4 2 1 28	Vapor Type	Nicotine free	2.46598467	0.49521681	6.37E-07	1.14E-05
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			methylmalonyl CoA carboxyltransferase 12S subunit EC 2 1	Biofilm type	Intermediate	-4.4825215	0.96646494	3.52E-06	5.77E-05
Metabolism Carbohydrate metabolism	ko00640	Propanoate metabolism			propanediol dehydratase medium subunit EC 4 2 1 28	Vapor Type	Nicotine free	1.7138574	0.36955567	3.5	

Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	acylphosphatase EC 3 6 1 7	Vapor Type	Nicotine free	3.0754613	0.48546765	2.37E-10	6.02E-09
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	lactoylglutathione lyase EC 4 4 1 5	Vapor Type	Nicotine free	3.11229994	0.49539722	3.33E-10	8.34E-09
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	succinyl CoA acetate CoA transferase EC 2 8 3 18	Vapor Type	Nicotine plus	4.5857436	0.73987109	5.72E-10	1.41E-08
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	2 oxoglutarate 2 oxoacid ferredoxin oxidoreductase subunit	Vapor Type	Nicotine plus	4.1551942	0.67769654	8.71E-10	2.11E-08
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	lactaldehyde dehydrogenase glycolaldehyde dehydrogenase	Vapor Type	Nicotine plus	3.05441138	0.49894062	9.25E-10	2.24E-08
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	malolactate enzyme EC 4 1 1 01	Vapor Type	Nicotine plus	1.09574672	0.2248866	1.10E-06	1.92E-05
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	acetyl CoA carboxylase biotin carboxylase subunit EC 6 4 1	Vapor Type	Nicotine plus	2.49491537	0.53173771	2.71E-06	4.50E-05
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	lactoylglutathione lyase EC 4 4 1 5	Vapor Type	Nicotine plus	2.31546404	0.49691776	3.17E-06	5.23E-05
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	pyruvate dehydrogenase E2 component dihydrolipoamide a	Vapor Type	Nicotine plus	2.23714673	0.51308686	1.78E-07	0.00200013
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	acylphosphatase EC 3 6 1 7	Vapor Type	Nicotine plus	2.02692988	0.48869138	1.49E-05	0.00011656
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	D lactate dehydrogenase quinone EC 1 1 5 12	Vapor Type	Nicotine free	2.55705698	0.67831121	0.00016243	0.002201894
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	malolactate enzyme EC 4 1 1 01	Vapor Type	Nicotine free	0.84042925	0.2329348	0.00030856	0.004018108
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	D lactate dehydrogenase EC 1 1 1 28	Vapor Type	Nicotine plus	1.66470055	0.48701299	0.0006304	0.007759865
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	D lactate dehydrogenase quinone EC 1 1 5 12	Vapor Type	Nicotine plus	2.28274385	0.68208366	0.00081773	0.009903461
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	malate dehydrogenase oxaloacetate decarboxylating NADH	Vapor Type	Nicotine free	1.89167841	0.58016079	0.00111173	0.013153204
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	malate dehydrogenase oxaloacetate decarboxylating NADH	Vapor Type	Nicotine plus	1.74551843	0.58329572	0.00276693	0.030559512
Metabolism Carbohydrate metabolism	ko0620	Pyruvate metabolism	core	pyruvate carboxylase subunit B EC 6 4 1 1	Vapor Type	Nicotine free	3.14682775	1.05316883	0.00280845	0.030966728
Metabolism Carbohydrate metabolism	ko0620	Starch and sucrose metabolism	core	alpha glucosidase EC 3 2 1 20	Vapor Type	Nicotine free	4.15340401	0.30689164	9.88E-42	2.19E-39
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	alpha alpha trehalose phosphorylase EC 2 4 1 64	Biofilm type	Pathogen-rich	-2.6623894	0.30840263	5.98E-18	3.27E-16
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	fructosucrose EC 3 2 1 4	Vapor Type	Nicotine free	3.17771392	0.43626042	3.27E-13	1.12E-11
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	alpha alpha trehalose phosphorylase EC 2 4 1 64	Biofilm type	Intermediate	-3.9057895	0.5065313	3.25E-12	9.93E-11
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIB component EC 2 7 1196	Vapor Type	Nicotine free	2.8863021	0.42149708	7.46E-12	2.20E-10
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIC component	Vapor Type	Nicotine free	3.11435525	0.46749712	2.71E-11	7.57E-10
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	alpha glucosidase EC 3 2 1 20	Vapor Type	Nicotine plus	2.0782623	0.32005565	8.39E-11	2.23E-09
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system alpha glucosidase specific IIB component EC 2 7 1	Vapor Type	Nicotine free	6.63762757	1.0453349	2.16E-10	5.50E-09
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	pullulanase EC 3 2 1 41	Vapor Type	Nicotine free	4.14673459	0.70028207	3.19E-09	7.32E-08
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	1 4 alpha glucan branching enzyme EC 2 4 1 18	Vapor Type	Nicotine free	2.96426669	0.50201473	3.53E-09	8.07E-08
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	alpha maltose 1 phosphate synthase EC 2 4 1 342	Biofilm type	Pathogen-rich	-2.4823386	0.47573956	1.81E-07	3.43E-06
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	UTP glucose 1 phosphate uridylyltransferase EC 2 7 79	Vapor Type	Nicotine free	2.49138898	0.48942434	3.78E-07	6.92E-06
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	fructosucrose EC 3 2 1 4	Vapor Type	Nicotine plus	1.12033319	0.37366517	1.40E-06	2.40E-05
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIB component EC 2 7 1196	Vapor Type	Nicotine plus	2.02011691	0.42736522	2.28E-06	3.83E-05
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIA component EC 2 7 1196	Vapor Type	Nicotine free	2.55610647	0.54267446	2.47E-06	4.14E-05
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	glycogen debranching enzyme EC 3 2 1 196	Vapor Type	Nicotine free	3.57628943	0.76155198	2.65E-06	4.42E-05
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	pullulanase EC 3 2 1 41	Vapor Type	Nicotine plus	3.25617558	0.70051244	3.35E-06	5.50E-05
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	alpha maltose 1 phosphate synthase EC 2 4 1 342	Biofilm type	Intermediate	-3.7872153	0.72735218	3.41E-06	5.60E-05
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIC component	Vapor Type	Nicotine plus	2.07959949	0.4685431	9.06E-06	0.000142334
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system alpha glucosidase specific IIB component EC 2 7 1	Vapor Type	Nicotine plus	4.49829125	1.05012459	1.84E-05	0.000278147
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	1 4 alpha glucan branching enzyme EC 2 4 1 18	Vapor Type	Nicotine plus	2.04727921	0.50256833	4.63E-05	0.000606926
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	alpha glucosidase EC 3 2 1 20	Biofilm type	Intermediate	-0.7792382	0.19286255	5.34E-05	0.000765804
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	starch synthase maltosyl transferring EC 2 4 99 16	Vapor Type	Nicotine free	4.92811646	1.25907954	9.08E-05	0.001263946
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	amylsucrase EC 2 4 1 4	Vapor Type	Nicotine free	5.12715485	1.31302913	0.00011715	0.001609196
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	maltose phosphorylase EC 2 4 1 8	Vapor Type	Nicotine free	2.9357545	0.81250592	0.0003204	0.003941693
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	starch synthase maltosyl transferring EC 2 4 99 16	Biofilm type	Intermediate	-2.5172672	0.71073158	0.00039741	0.005085636
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	maltose phosphorylase EC 2 4 1 8	Vapor Type	Nicotine plus	2.71938092	0.81460679	0.0008413	0.010165773
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	maltose alpha D glucosyltransferase alpha amylase EC 5 4	Biofilm type	Intermediate	-2.3037553	0.76971237	0.00276242	0.030522356
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIB component EC 2 7 1196	Biofilm type	Intermediate	-1.3130961	0.38408748	0.00323068	0.035293804
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	PTS system cellobiose specific IIA component EC 2 7 1196	Vapor Type	Nicotine plus	1.57230687	0.43737576	0.00407309	0.04473236
Metabolism Carbohydrate metabolism	ko0500	Starch and sucrose metabolism	core	UTP glucose 1 phosphate uridylyltransferase EC 2 7 79	Vapor Type	Nicotine plus	1.38940794	0.49153134	0.00468796	0.049159055
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	xylulose 5 phosphate fructose 6 phosphatephosphotransferase	Vapor Type	Nicotine free	5.1131185	0.40962341	9.86E-36	1.72E-33
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	xylulose 5 phosphate fructose 6 phosphatephosphotransferase	Vapor Type	Nicotine plus	1.47087649	0.41040617	1.98E-07	6.32E-06
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	ribulose biphosphate carboxylase large chain EC 4 1 1 39	Vapor Type	Nicotine free	4.30840772	0.54158203	1.79E-15	7.83E-14
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	fructose 1 6 biphosphatase II EC 3 1 311	Vapor Type	Nicotine free	4.37469934	0.55189561	2.25E-15	9.79E-14
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	ribulose biphosphate carboxylase large chain EC 4 1 1 39	Vapor Type	Nicotine plus	3.79080164	0.54346535	3.05E-12	9.36E-11
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	ribulose 5 phosphate isomerase B EC 5 3 1 36	Vapor Type	Nicotine free	3.82816341	0.57251586	2.28E-11	6.44E-10
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	phosphoglycerate kinase EC 2 7 2 3	Vapor Type	Nicotine free	3.61881484	0.54444035	2.99E-11	8.33E-10
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	fructose 1 6 biphosphatase II EC 3 1 311	Vapor Type	Nicotine plus	3.47153778	0.55383119	3.65E-10	9.13E-09
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	ribulose 5 phosphate isomerase B EC 5 3 1 36	Vapor Type	Nicotine plus	2.96113036	0.57722467	2.90E-07	5.38E-06
Metabolism Energy metabolism	ko0710	Carbon fixation in photosynthetic organisms	core	phosphoglycerate kinase EC 2 7 2 3	Vapor Type	Nicotine plus	2.51231813	0.54498416	4.03E-06	6.56E-05
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	formate tetrahydrofolate ligase EC 6 3 4 3	Vapor Type	Nicotine free	2.5377983	0.06162013	0	0
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	formate tetrahydrofolate ligase EC 6 3 4 3	Vapor Type	Nicotine plus	1.53005539	0.06542745	6.00E-121	5.51E-118
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	formate tetrahydrofolate ligase EC 6 3 4 3	Biofilm type	Intermediate	-0.4421405	0.03459885	1.33E-36	2.42E-34
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	2 oxoglutarate 2 oxoacid ferredoxin oxidoreductase subunit	Vapor Type	Nicotine free	5.50850419	0.54904073	1.09E-23	9.34E-22
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA mutase N terminal domain EC 5 4 99 2	Vapor Type	Nicotine free	4.92687239	0.56719988	3.74E-18	2.09E-16
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	anaerobic carbon monoxide dehydrogenase catalytic subunit	Vapor Type	Nicotine free	5.59118565	0.65982521	2.38E-17	1.23E-15
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA mutase EC 5 4 99 2	Vapor Type	Nicotine free	4.61672719	0.58427941	2.75E-15	1.18E-13
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylentetrahydrofolate reductase NADPH EC 1 5 1 20	Vapor Type	Nicotine free	3.57497693	0.48031255	9.84E-14	3.58E-12
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	anaerobic carbon monoxide dehydrogenase catalytic subunit	Vapor Type	Nicotine plus	4.80686167	0.66072144	3.49E-13	1.19E-11
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	2 oxoglutarate 2 oxoacid ferredoxin oxidoreductase subunit	Vapor Type	Nicotine plus	3.97981882	0.55042831	4.82E-13	1.62E-11
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA mutase EC 5 4 99 2	Vapor Type	Nicotine plus	4.05276371	0.58474766	4.12E-12	1.26E-10
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA mutase N terminal domain EC 5 4 99 2	Vapor Type	Nicotine plus	1.72662043	0.56817057	1.98E-09	1.61E-09
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	acetate kinase EC 2 7 2 1	Vapor Type	Nicotine free	3.24802208	0.35595067	1.32E-09	3.15E-08
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	pyruvate ferredoxin flavodoxin oxidoreductase EC 1 2 7 1 12	Vapor Type	Nicotine free	4.00166032	0.66330361	1.61E-09	3.81E-08
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	phosphate acetyltransferase EC 2 3 1 8	Vapor Type	Nicotine free	3.28836476	0.56197435	4.87E-09	1.10E-07
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	formate tetrahydrofolate ligase EC 6 3 4 3	Biofilm type	Pathogen-rich	-0.171301	0.0323667	1.21E-07	2.34E-06
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA ethylmalonyl CoA epimerase EC 5 1 99 1	Vapor Type	Nicotine free	6.11487672	1.16773156	1.64E-07	3.12E-06
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	pyruvate ferredoxin flavodoxin oxidoreductase EC 1 2 7 1 12	Vapor Type	Nicotine plus	3.12477952	0.66340432	2.47E-06	4.14E-05
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylentetrahydrofolate reductase NADPH EC 1 5 1 20	Vapor Type	Nicotine plus	2.14410073	0.48184841	8.60E-06	0.000135324
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA ethylmalonyl CoA epimerase EC 5 1 99 1	Vapor Type	Nicotine plus	4.9988997	1.17004507	1.93E-05	0.002539071
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	acetate kinase EC 2 7 2 1	Vapor Type	Nicotine plus	2.2803956	0.5360222	2.10E-05	0.000315021
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	aconitate hydratase 2 2 methylisocitrate dehydratase EC 4	Vapor Type	Nicotine free	2.57586857	0.61927635	3.19E-05	0.0046988
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	phosphate acetyltransferase EC 2 3 1 8	Vapor Type	Nicotine plus	2.16488083	0.56280405	0.00011977	0.001642269
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	aconitate hydratase 2 2 methylisocitrate dehydratase EC 4	Vapor Type	Nicotine plus	2.32146767	0.62198459	0.0001897	0.002539079
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	3 methylfumaryl CoA hydratase EC 4 2 1 153	Biofilm type	Pathogen-rich	-2.8126571	0.84924414	0.00092643	0.01101388
Metabolism Energy metabolism	ko0710	Carbon fixation pathways in proaryotes	core	methylmalonyl CoA mutase EC 5 4 99 2	Biofilm type	Intermediate	-1.5932212	0.55103559	0.00383492	0.041227539
Metabolism Energy metabolism	ko0680	Methane metabolism	core	malate dehydrogenase EC 1 1 1 37	Vapor Type	Nicotine free	5.41854154	0.70573156	1.62E-14	6.39E-13
Metabolism Energy metabolism	ko0680	Methane metabolism	core	fructose biphosphate aldolase class II EC 4 1 2 13	Vapor Type	Nicotine free	3.4999105	0.45962725	2.64E-14	1.02E-12
Metabolism Energy metabolism	ko0680	Methane metabolism	core	phosphoenolpyruvate carboxylase EC 4 1 1 31	Vapor Type	Nicotine free	2.90917818	0.54664565	1.03E-07	2.02E-06
Metabolism Energy metabolism	ko0680	Methane metabolism	core	fructose biphosphate aldolase class II EC 4 1 2 13	Vapor Type	Nicotine plus	2.43771999	0.46036618	1.19E-07	2.31E-06
Metabolism Energy metabolism	ko0680	Methane metabolism	core	malate dehydrogenase EC 1 1 1 37	Vapor Type	Nicotine plus	3.21923378	0.71692762	7.12E-06	0.00113

Metabolism Energy metabolism	ko00910	Nitrogen metabolism		nitrous oxide reductase EC 1 7 2 4	Biofilm type	Pathogen-rich	1.91575152	0.66107627	0.00375637	0.040440107
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome d ubiquinol oxidase subunit I EC 1 10 3 14	Vapor Type	Nicotinic free	4.25924374	0.31316443	3.97E-42	8.93E-40
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome d ubiquinol oxidase subunit II EC 1 10 3 14	Vapor Type	Nicotinic free	4.39630032	0.3014248	3.54E-48	9.99E-46
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit b	Vapor Type	Nicotinic free	4.05390022	0.34175988	1.87E-32	2.74E-30
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit c	Vapor Type	Nicotinic free	3.81895497	0.32908506	3.90E-31	5.31E-29
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation		F type H transporting ATPase subunit alpha EC 3 6 3 14	Vapor Type	Nicotinic free	4.10055217	0.26144929	2.01E-55	7.18E-53
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation		F type H transporting ATPase subunit beta EC 3 6 3 14	Vapor Type	Nicotinic free	2.97521471	0.26269795	9.80E-30	1.23E-27
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation		F type H transporting ATPase subunit delta EC 3 6 3 14	Vapor Type	Nicotinic free	4.23214165	0.35450166	1.01E-32	1.51E-30
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation		F type H transporting ATPase subunit delta	Vapor Type	Nicotinic free	3.89142872	0.24218791	3.04E-58	1.71E-56
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit gamma	Vapor Type	Nicotinic plus	2.91362578	0.24580839	7.07E-32	3.02E-30
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit gamma EC 3 6 3 143	Vapor Type	Nicotinic free	4.2566685	0.31248358	2.96E-42	6.78E-40
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit B	Vapor Type	Nicotinic free	3.97336688	0.3093768	9.40E-38	1.80E-35
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit C	Vapor Type	Nicotinic free	4.19506486	0.34200194	1.38E-34	2.27E-32
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit D	Vapor Type	Nicotinic free	3.90131803	0.36384421	7.98E-27	8.34E-25
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit E	Vapor Type	Nicotinic free	4.13623487	0.38136323	2.09E-27	2.27E-25
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit F	Vapor Type	Nicotinic free	3.48515864	0.3278327	2.14E-26	2.18E-24
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	NADH dehydrogenase EC 1 6 99 3	Vapor Type	Nicotinic free	5.21163226	0.44015668	2.41E-32	3.51E-30
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit A EC 3 6 3 143	Vapor Type	Nicotinic plus	3.18881211	0.31084067	1.08E-24	9.93E-23
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit E	Vapor Type	Nicotinic free	3.79715764	0.37436618	3.56E-24	3.16E-22
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit B	Vapor Type	Nicotinic plus	3.45705996	0.34354212	8.05E-24	6.96E-22
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit gamma	Vapor Type	Nicotinic plus	3.14489587	0.31395953	1.28E-23	1.09E-21
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit epsilon	Vapor Type	Nicotinic free	4.29057148	0.43587804	7.31E-23	5.91E-21
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome d ubiquinol oxidase subunit II EC 1 10 3 14	Vapor Type	Nicotinic plus	2.94528936	0.3068629	8.15E-22	6.16E-20
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit I	Vapor Type	Nicotinic free	3.87423438	0.40872326	2.57E-21	1.87E-19
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome d ubiquinol oxidase subunit I EC 1 10 3 14	Vapor Type	Nicotinic plus	2.96065259	0.31631955	4.04E-20	2.71E-18
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit D	Vapor Type	Nicotinic plus	3.45719824	0.38362655	2.03E-19	1.27E-17
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit beta EC 3 6 3 14	Vapor Type	Nicotinic plus	3.09379548	0.35525353	3.07E-18	1.72E-16
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit c	Vapor Type	Nicotinic plus	2.85089223	0.33467109	1.62E-17	8.51E-16
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit b	Vapor Type	Nicotinic plus	2.9352404	0.34449564	2.04E-17	1.06E-15
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit C	Vapor Type	Nicotinic plus	3.0736059	0.36656193	7.39E-17	3.64E-14
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit F	Vapor Type	Nicotinic plus	2.67481586	0.33273018	9.06E-16	4.10E-14
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit E	Vapor Type	Nicotinic free	4.15515241	0.51710792	9.33E-16	4.22E-14
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit E	Vapor Type	Nicotinic plus	3.02199014	0.37867558	1.46E-15	6.46E-14
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	ubiquinol cytochrome c reductase cytochrome b subunit	Biofilm type	Pathogen-rich	-2.531265	0.3292035	1.48E-14	5.89E-13
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit I	Vapor Type	Nicotinic plus	3.01534422	0.40973587	1.85E-13	6.51E-12
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit epsilon	Vapor Type	Nicotinic plus	3.02371293	0.43789359	5.02E-12	1.50E-10
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	NADH dehydrogenase EC 1 6 99 3	Vapor Type	Nicotinic plus	3.03152154	0.4453921	1.00E-11	2.92E-10
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit F	Vapor Type	Nicotinic plus	3.4511909	0.52047487	3.34E-11	9.25E-10
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit G	Vapor Type	Nicotinic free	3.52259862	0.56735394	5.34E-10	1.32E-08
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	ubiquinol cytochrome c reductase cytochrome b subunit	Biofilm type	Intermediate	-3.8747894	0.62650172	6.22E-10	1.53E-08
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit G	Vapor Type	Nicotinic plus	2.79183279	0.57563756	1.23E-06	2.14E-05
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	ubiquinol cytochrome c reductase iron sulfur subunit	Biofilm type	Pathogen-rich	-2.7655069	0.66064716	2.84E-05	0.000421391
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	ubiquinol cytochrome c reductase cytochrome c subunit	Biofilm type	Pathogen-rich	-2.2303272	0.53778196	3.36E-05	0.000494555
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase subunit I EC 1 9 3 1	Vapor Type	Nicotinic free	4.33648104	1.04825975	3.52E-05	0.000516436
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit delta	Biofilm type	Intermediate	-0.4588174	0.11458893	6.23E-05	0.00086247
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase subunit III EC 1 9 3 1	Vapor Type	Intermediate	-1.9200772	0.48933033	8.71E-05	0.002126645
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase subunit II EC 1 9 3 1	Vapor Type	Nicotinic free	4.58101479	1.21108035	0.00015521	0.002099579
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase subunit III EC 1 9 3 1	Biofilm type	Pathogen-rich	-1.5068146	0.41090643	0.00024536	0.003233038
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase cb3 type subunit III	Vapor Type	Nicotinic free	5.08213231	1.40310638	0.0002927	0.003815239
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	H exchanging ATPase EC 3 6 3 10	Vapor Type	Nicotinic free	1.69903849	0.32855339	0.00030909	0.0040234
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	ubiquinol cytochrome c reductase cytochrome c subunit	Biofilm type	Intermediate	-3.632725	1.04380731	0.00050091	0.006290772
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase cb3 type subunit III	Biofilm type	Pathogen-rich	-2.32106003	0.67574186	0.00059292	0.00737459
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit III	Biofilm type	Pathogen-rich	-0.6624641	0.19852537	0.00084711	0.010226718
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	succinate dehydrogenase fumarate reductase membrane	Vapor Type	Nicotinic free	4.04794466	1.52083765	0.00121338	0.014231174
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	H exchanging ATPase EC 3 6 3 10	Vapor Type	Nicotinic plus	4.21143356	1.36067515	0.00126905	0.014769916
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase cb3 type subunit III	Vapor Type	Nicotinic plus	4.52262492	1.40591969	0.00129609	0.015152867
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	NADH quinone oxidoreductase EC 1 6 5 3	Vapor Type	Nicotinic free	4.13527765	1.29465882	0.00140265	0.016295018
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase cb3 type subunit I EC 1 9 3 1	Biofilm type	Pathogen-rich	-1.85196766	0.59100326	0.00172676	0.019763235
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	NADH ubiquinone oxidoreductase chain 6 EC 1 6 5 3	Vapor Type	Nicotinic free	3.18201345	1.01830068	0.00177951	0.020314242
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	F type H transporting ATPase subunit a	Vapor Type	Nicotinic free	2.05125888	0.68843411	0.00288624	0.031779103
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome d ubiquinol oxidase subunit II EC 1 10 3 14	Biofilm type	Intermediate	-0.3957108	0.13457596	0.0032776	0.035762463
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	cytochrome c oxidase subunit II EC 1 9 3 1	Biofilm type	Intermediate	-1.614762	0.55925907	0.00388534	0.041719102
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	ubiquinol cytochrome c reductase iron sulfur subunit	Biofilm type	Intermediate	-4.6126068	1.62145186	0.0044479	0.046960067
Metabolism Energy metabolism	ko00190	Oxidative phosphorylation	core	V A type H Na transporting ATPase subunit E	Biofilm type	Pathogen-rich	-0.5050762	0.17766147	0.00447032	0.047183092
Metabolism Energy metabolism	ko00195	Photosynthesis	core	F type H transporting ATPase subunit a	Vapor Type	Nicotinic free	3.92893239	0.20034219	1.24E-85	8.39E-83
Metabolism Energy metabolism	ko00195	Photosynthesis	core	F type H transporting ATPase subunit a	Vapor Type	Nicotinic plus	2.85024329	0.20303331	9.09E-45	2.24E-42
Metabolism Energy metabolism	ko00194	Photosynthesis proteins	core	ATP synthase protein I	Vapor Type	Nicotinic free	3.92404408	0.69054364	1.33E-08	2.86E-07
Metabolism Energy metabolism	ko00194	Photosynthesis proteins	core	ATP synthase protein I	Vapor Type	Nicotinic plus	2.79757911	0.7023139	6.79E-05	0.00062842
Metabolism Energy metabolism	ko00194	Photosynthesis proteins	core	ATP synthase protein I	Biofilm type	Pathogen-rich	1.08866979	0.38316026	0.00381335	0.00622976
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	adenylylsulfate kinase EC 2 7 1 25	Vapor Type	Nicotinic free	3.0933311	0.38355883	6.11E-30	4.01E-28
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	cystathionine gamma lyase homocysteine desulfhydrase B	Vapor Type	Nicotinic free	5.56340457	0.62234159	3.91E-19	2.38E-17
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	anabolic dimethyl sulfoxide reductase subunit C DMSO re	Biofilm type	Pathogen-rich	-2.3892091	0.38635219	6.24E-10	1.53E-08
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	anabolic dimethyl sulfoxide reductase subunit B DMSO re	Biofilm type	Intermediate	-3.2621734	0.58247208	2.14E-08	4.50E-07
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	anabolic dimethyl sulfoxide reductase subunit B DMSO re	Biofilm type	Pathogen-rich	-2.8364297	0.51781862	4.31E-08	8.78E-07
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	cystathionine gamma synthase EC 2 5 1 48	Vapor Type	Nicotinic plus	1.84017911	0.34000123	6.22E-08	1.25E-06
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	adenylylsulfate kinase EC 2 7 1 25	Vapor Type	Nicotinic plus	3.24346981	0.63171695	2.83E-07	5.26E-06
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	anabolic dimethyl sulfoxide reductase subunit B DMSO re	Biofilm type	Intermediate	-3.3402366	0.65857354	3.94E-07	7.20E-06
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	anabolic dimethyl sulfoxide reductase subunit C DMSO re	Vapor Type	Nicotinic free	4.00681235	1.80219088	5.89E-07	1.05E-05
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	thiosulfate dehydrogenase quinone large subunit EC 1 8 5	Vapor Type	Nicotinic free	6.29889502	1.29338999	1.12E-06	1.94E-05
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	thiosulfate dehydrogenase quinone large subunit EC 1 8 5	Biofilm type	Pathogen-rich	0.61485601	0.13066293	2.53E-06	4.23E-05
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	anabolic dimethyl sulfoxide reductase subunit B DMSO re	Vapor Type	Nicotinic free	4.0162329	0.89133334	6.61E-06	0.000105414
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system ATP binding protein EC 3 6 3 25	Vapor Type	Nicotinic free	3.84193989	1.10403101	0.00015136	0.002050084
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system substrate binding protein	Vapor Type	Nicotinic free	2.38966262	0.64171698	0.0001962	0.002618894
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system permease protein	Vapor Type	Nicotinic free	3.33387051	0.92615165	0.00031858	0.004139461
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system permease protein	Vapor Type	Nicotinic free	3.04070783	0.89724568	0.00070164	0.008569551
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system ATP binding protein EC 3 6 3 25	Vapor Type	Nicotinic plus	3.35491298	1.1901474	0.00099368	0.011864495
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	thiosulfate dehydrogenase quinone large subunit EC 1 8 5	Vapor Type	Nicotinic plus	4.16293464	1.30221842	0.0013896	0.018157572
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	cystathionine gamma lyase homocysteine desulfhydrase B	Vapor Type	Nicotinic plus	2.0853266	0.66471946	0.0017016	0.019503059
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system permease protein	Vapor Type	Nicotinic plus	2.04048702	0.64815843	0.00198832	0.023505623
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system permease protein	Vapor Type	Nicotinic plus	2.86674173	0.93302726	0.00212262	0.023903917
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system ATP binding protein EC 3 6 3 25	Biofilm type	Pathogen-rich	1.99632278	0.68520478	0.00357438	0.038629046
Metabolism Energy metabolism	ko00920	Sulfur metabolism	core	sulfate transport system permease protein	Vapor Type	Nicotinic plus	2.63280576	0.90526353	0.00363364	0.03922181
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol dehydrogenase EC 1 1 1 6	Vapor Type	Nicotinic free	4.31313605	0.20675665	1.21E-96	9.11E-94
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol dehydrogenase EC 1 1 1 6	Vapor Type	Nicotinic plus	3.23890141	0.20937354	5.57E-54	1.91E-51

Metabolism Enzyme families	ko01000	Enzymes		adenosylmethionine 8 amino 7 oxononanoate aminotransf	Vapor Type	Nicotine free	4.57574951	0.31050105	3.75E-49	1.10E-46
Metabolism Enzyme families	ko01000	Enzymes		ribonase EC 2 7 1 15	Vapor Type	Nicotine free	4.64156914	0.34634015	5.90E-41	1.27E-38
Metabolism Enzyme families	ko01000	Enzymes	core	L ribuloseinase EC 2 7 1 16	Vapor Type	Nicotine free	4.78995171	0.43270098	1.76E-28	2.04E-26
Metabolism Enzyme families	ko01000	Enzymes	core	xylofinase EC 2 7 1 17	Vapor Type	Nicotine free	5.09283069	0.47779978	1.58E-26	1.63E-24
Metabolism Enzyme families	ko01000	Enzymes	core	homoserine inase EC 2 7 1 39	Vapor Type	Nicotine free	3.436661	0.14542896	1.84E-123	1.75E-120
Metabolism Enzyme families	ko01000	Enzymes	core	homoserine inase EC 2 7 1 39	Vapor Type	Nicotine plus	2.36593161	0.14971157	2.95E-56	1.12E-53
Metabolism Enzyme families	ko01000	Enzymes	core	4 dihydroxyacetone 2 C methyl D erythritol inase EC 2 7 1 14	Vapor Type	Nicotine free	4.68805303	0.33612077	3.26E-44	7.97E-42
Metabolism Enzyme families	ko01000	Enzymes	core	acetylglutamate inase EC 2 7 8	Vapor Type	Nicotine free	3.49751978	0.28227464	2.94E-35	4.98E-33
Metabolism Enzyme families	ko01000	Enzymes	core	two component system sensor histidine inase PtdAs EC 2 7	Vapor Type	Nicotine free	3.81094266	0.29120333	3.92E-39	8.03E-37
Metabolism Enzyme families	ko01000	Enzymes	core	holo acyl carrier protein synthase EC 2 7 8 7	Vapor Type	Nicotine free	3.4586234	0.21243424	1.35E-59	5.57E-57
Metabolism Enzyme families	ko01000	Enzymes		holo acyl carrier protein synthase EC 2 7 8 7	Vapor Type	Nicotine plus	2.43911624	0.21810083	4.92E-29	5.91E-27
Metabolism Enzyme families	ko01000	Enzymes		pyruvate orthophosphate diase EC 2 7 9 1	Vapor Type	Nicotine free	5.0426986	0.36312906	7.62E-44	1.84E-41
Metabolism Enzyme families	ko01000	Enzymes		pyruvate water diase EC 2 7 9 2	Vapor Type	Nicotine free	3.93431444	0.21517615	1.11E-74	6.21E-72
Metabolism Enzyme families	ko01000	Enzymes		pyruvate water diase EC 2 7 9 2	Vapor Type	Nicotine plus	3.183262	0.21680906	8.37E-49	2.42E-46
Metabolism Enzyme families	ko01000	Enzymes		biotin synthase EC 2 8 1 6	Vapor Type	Nicotine free	4.85363894	0.31518006	1.65E-53	5.56E-51
Metabolism Enzyme families	ko01000	Enzymes		biotin synthase EC 2 8 1 6	Vapor Type	Nicotine plus	3.55449936	0.31759484	4.47E-29	5.40E-27
Metabolism Enzyme families	ko01000	Enzymes		protein tyrosine phosphatase EC 3 1 3 48	Vapor Type	Nicotine free	3.12290241	0.1982631	6.74E-56	2.51E-53
Metabolism Enzyme families	ko01000	Enzymes		protein tyrosine phosphatase EC 3 1 3 48	Vapor Type	Nicotine plus	2.16348098	0.19974937	2.46E-27	2.65E-25
Metabolism Enzyme families	ko01000	Enzymes	core	glucan 1 6 alpha glucosidase EC 3 2 1 70	Vapor Type	Nicotine free	0.70981265	0.03976718	2.93E-71	1.50E-68
Metabolism Enzyme families	ko01000	Enzymes	core	glucan 1 6 alpha glucosidase EC 3 2 1 70	Biofilm Type	Pathogen-rich	0.49023474	0.03979503	7.15E-35	1.19E-32
Metabolism Enzyme families	ko01000	Enzymes	core	adenosylhomocysteine nucleoside EC 3 2 2 9	Vapor Type	Nicotine free	3.65940906	0.30455238	2.94E-33	4.46E-31
Metabolism Enzyme families	ko01000	Enzymes	core	pyroglutaminyl peptidase EC 3 4 19 3	Vapor Type	Nicotine free	4.20835774	0.36733887	2.19E-30	2.88E-28
Metabolism Enzyme families	ko01000	Enzymes		IgA specific metalloendopeptidase EC 3 4 24 13	Vapor Type	Nicotine free	1.45445396	0.04146843	1.69E-269	3.76E-266
Metabolism Enzyme families	ko01000	Enzymes		IgA specific metalloendopeptidase EC 3 4 24 13	Biofilm Type	Intermediate	-0.4352059	0.03820228	4.58E-30	5.92E-28
Metabolism Enzyme families	ko01000	Enzymes		imidazolonepropiolase EC 3 5 2 7	Vapor Type	Nicotine free	3.58258774	0.28910476	2.89E-35	4.90E-33
Metabolism Enzyme families	ko01000	Enzymes		indole 3 glycerol phosphate synthase EC 4 1 1 48	Vapor Type	Nicotine free	1.51854993	0.07605943	1.10E-88	7.64E-86
Metabolism Enzyme families	ko01000	Enzymes		phosphoenolpyruvate carboxinase ATP EC 4 1 1 49	Vapor Type	Nicotine free	4.72533707	0.32772189	3.94E-47	1.07E-44
Metabolism Enzyme families	ko01000	Enzymes		phosphoenolpyruvate carboxinase ATP EC 4 1 1 49	Vapor Type	Nicotine plus	3.51009051	0.32992939	1.63E-26	1.67E-24
Metabolism Enzyme families	ko01000	Enzymes		deoxyribose phosphate aldolase EC 4 1 2 4	Vapor Type	Nicotine free	3.34896865	0.36633387	6.61E-26	6.53E-24
Metabolism Enzyme families	ko01000	Enzymes		citrate synthase EC 2 3 3 1	Vapor Type	Nicotine free	4.0542432	0.38908539	1.36E-27	1.69E-27
Metabolism Enzyme families	ko01000	Enzymes		2 isopropylmalate synthase EC 2 3 3 13	Vapor Type	Nicotine free	2.99435052	0.08399656	2.49E-278	6.31E-375
Metabolism Enzyme families	ko01000	Enzymes		2 isopropylmalate synthase EC 2 3 3 13	Vapor Type	Nicotine plus	1.9766217	0.08746311	4.34E-113	3.79E-110
Metabolism Enzyme families	ko01000	Enzymes		naphthoate synthase EC 4 1 3 35	Vapor Type	Nicotine free	4.61657971	0.4219525	7.34E-28	8.20E-26
Metabolism Enzyme families	ko01000	Enzymes		carbonic anhydrase EC 4 2 1 1	Vapor Type	Nicotine free	3.34270491	0.29514811	8.81E-30	1.23E-27
Metabolism Enzyme families	ko01000	Enzymes		enolase EC 4 2 1 11	Vapor Type	Nicotine free	3.65178342	0.33121025	2.88E-28	3.31E-26
Metabolism Enzyme families	ko01000	Enzymes		O acetylhomoserine thiol lyase EC 2 5 1 49	Vapor Type	Nicotine free	1.97655732	0.08750735	5.77E-113	4.96E-110
Metabolism Enzyme families	ko01000	Enzymes		O acetylhomoserine thiol lyase EC 2 5 1 49	Vapor Type	Nicotine plus	1.11693134	0.09448176	3.02E-32	4.32E-30
Metabolism Enzyme families	ko01000	Enzymes		hydroxymethylbilane synthase EC 2 5 1 61	Vapor Type	Nicotine free	4.25590004	0.27074199	1.11E-55	4.07E-53
Metabolism Enzyme families	ko01000	Enzymes		hydroxymethylbilane synthase EC 2 5 1 61	Vapor Type	Nicotine plus	3.10538983	0.27412041	9.47E-30	1.20E-27
Metabolism Enzyme families	ko01000	Enzymes		cystathionine beta lyase EC 4 4 1 8	Vapor Type	Nicotine free	3.86359144	0.21185923	2.64E-74	1.47E-71
Metabolism Enzyme families	ko01000	Enzymes		cystathionine beta lyase EC 4 4 1 8	Vapor Type	Nicotine plus	2.53440107	0.21782533	2.74E-31	3.78E-29
Metabolism Enzyme families	ko01000	Enzymes		protoporphyrin coproporphyrin ferrochelatase EC 4 99 1 14	Vapor Type	Nicotine free	3.87167018	0.33118116	1.43E-31	2.01E-29
Metabolism Enzyme families	ko01000	Enzymes		glutamate 1 semialdehyde 2 1 aminomutase EC 5 4 3 8	Vapor Type	Nicotine free	4.18222156	0.1759287	6.47E-125	6.39E-122
Metabolism Enzyme families	ko01000	Enzymes		glutamate 1 semialdehyde 2 1 aminomutase EC 5 4 3 8	Vapor Type	Nicotine plus	2.75975439	0.18004302	4.95E-53	1.64E-50
Metabolism Enzyme families	ko01000	Enzymes	core	valyl tRNA synthetase EC 6 1 1 9	Vapor Type	Nicotine free	3.69973125	0.33827649	5.67E-28	8.55E-26
Metabolism Enzyme families	ko01000	Enzymes	core	GMP synthase glutamine hydrolysing EC 6 3 5 2	Vapor Type	Nicotine free	4.02434502	0.27948545	2.54E-47	1.40E-44
Metabolism Enzyme families	ko01000	Enzymes	core	GMP synthase glutamine hydrolysing EC 6 3 5 2	Vapor Type	Nicotine plus	2.92217252	0.2805249	2.08E-25	1.99E-23
Metabolism Enzyme families	ko01000	Enzymes	core	adenosylcobinamide GDP ribazoletransferase EC 2 7 8 26	Vapor Type	Nicotine free	3.26283514	0.24325316	5.05E-41	1.09E-38
Metabolism Enzyme families	ko01000	Enzymes		DNA primase EC 2 7 7	Vapor Type	Nicotine free	3.89297139	0.36634335	3.03E-25	2.87E-23
Metabolism Enzyme families	ko01000	Enzymes		3 hydroxyacyl acyl carrier protein dehydratase EC 4 2 1 59	Vapor Type	Nicotine free	3.61012005	0.33897859	2.25E-27	3.32E-24
Metabolism Enzyme families	ko01000	Enzymes		3 hydroxyacyl acyl carrier protein dehydratase EC 4 2 1 59	Vapor Type	Nicotine plus	2.50139584	0.19963869	1.54E-36	9.05E-34
Metabolism Enzyme families	ko01000	Enzymes	core	release factor glutamine methyltransferase EC 2 1 297	Vapor Type	Nicotine free	3.73735255	0.34139398	7.21E-28	8.08E-26
Metabolism Enzyme families	ko01000	Enzymes	core	UDP GlcNAc undecaprenyl phosphate decaprenyl phosphate	Vapor Type	Nicotine free	3.94244944	0.15304603	2.50E-146	3.03E-143
Metabolism Enzyme families	ko01000	Enzymes	core	UDP GlcNAc undecaprenyl phosphate decaprenyl phosphate	Vapor Type	Nicotine plus	2.86979984	0.15582142	9.56E-76	5.48E-73
Metabolism Enzyme families	ko01000	Enzymes	core	UDP GlcNAc undecaprenyl phosphate decaprenyl phosphate	Biofilm Type	Intermediate	-0.4752311	0.04458937	1.60E-26	1.65E-24
Metabolism Enzyme families	ko01000	Enzymes		DNA directed RNA polymerase subunit alpha EC 2 7 7 6	Vapor Type	Nicotine free	4.51022468	0.27054138	2.13E-62	9.53E-60
Metabolism Enzyme families	ko01000	Enzymes		DNA directed RNA polymerase subunit alpha EC 2 7 7 6	Vapor Type	Nicotine plus	3.45220937	0.27178688	5.77E-37	1.06E-34
Metabolism Enzyme families	ko01000	Enzymes		tRNA cytidine uridine 2 O methyltransferase EC 2 1 1 20	Vapor Type	Nicotine free	3.46946347	0.30991703	4.32E-29	5.24E-27
Metabolism Enzyme families	ko01000	Enzymes		carboxyl precorrin 7 C methyltransferase EC 2 1 1 289	Vapor Type	Nicotine free	3.83437774	0.36646191	1.27E-25	1.25E-23
Metabolism Enzyme families	ko01000	Enzymes		processive 1 2 diacylglycerol beta glucosyltransferase EC 2	Vapor Type	Nicotine free	4.95595022	0.43015608	1.03E-30	1.38E-28
Metabolism Enzyme families	ko01000	Enzymes		FAD protein FMN transferase EC 2 7 1 180	Vapor Type	Nicotine free	3.71032192	0.3528593	7.37E-26	7.27E-24
Metabolism Enzyme families	ko01000	Enzymes		carboxyl terminal processing protease EC 3 4 2 11 02	Vapor Type	Nicotine free	4.05683584	0.23845595	6.59E-65	3.08E-62
Metabolism Enzyme families	ko01000	Enzymes		carboxyl terminal processing protease EC 3 4 2 11 02	Vapor Type	Nicotine plus	2.98525419	0.24186032	5.32E-35	8.89E-33
Metabolism Enzyme families	ko01000	Enzymes		phosphoinositide acetyltransferase EC 2 3 1 183	Vapor Type	Nicotine free	3.88421151	0.25880087	6.46E-51	2.04E-48
Metabolism Enzyme families	ko01000	Enzymes	core	phosphoinositide acetyltransferase EC 2 3 1 183	Vapor Type	Nicotine plus	2.90199164	0.26289851	2.49E-28	2.88E-26
Metabolism Enzyme families	ko01000	Enzymes	core	polyphenol oxidase EC 1 10 3	Vapor Type	Nicotine free	4.82559106	0.40262979	1.82E-30	2.41E-28
Metabolism Enzyme families	ko01000	Enzymes		precorrin 6A cobalt precorrin 6A reductase EC 1 3 1 54 13 1	Vapor Type	Nicotine free	3.78149692	0.33990496	9.46E-29	1.12E-26
Metabolism Enzyme families	ko01000	Enzymes		acyl CoA thioester hydrolase EC 3 1 2	Vapor Type	Nicotine free	4.84346948	0.3510897	2.71E-43	6.34E-41
Metabolism Enzyme families	ko01000	Enzymes		pyridoxaldehyde 5 S oxidoreductase EC 1 8 4 11	Vapor Type	Nicotine free	4.33241177	0.33291151	1.23E-34	2.01E-32
Metabolism Enzyme families	ko01000	Enzymes	core	anabolic methionine S oxidoreductase subunit A EC 1 8 5 3	Pathogen Type	Pathogen-rich	2.5102105	0.24124417	1.65E-43	1.65E-41
Metabolism Enzyme families	ko01000	Enzymes		L methionine R S oxidoreductase EC 1 8 4 14	Vapor Type	Nicotine free	3.27064245	0.25942514	1.93E-36	3.46E-34
Metabolism Enzyme families	ko01000	Enzymes		L methionine R S oxidoreductase EC 1 8 4 14	Vapor Type	Nicotine plus	4.69903697	0.29933973	1.56E-55	5.66E-53
Metabolism Enzyme families	ko01000	Enzymes	core	pyruvate water diase phosphate phosphotransferase p	Vapor Type	Nicotine plus	3.60266684	0.30146109	6.44E-33	9.62E-31
Metabolism Enzyme families	ko01000	Enzymes	core	CDP glycine diacylphosphotransferase EC 2 7 8 12	Vapor Type	Nicotine free	4.43683225	0.38483951	9.42E-31	1.26E-28
Metabolism Enzyme families	ko01000	Enzymes	core	putative glutamine transport system ATP binding protein E	Vapor Type	Nicotine free	1.8050862	0.11332652	4.04E-57	1.57E-54
Metabolism Enzyme families	ko01000	Enzymes		endonuclease III EC 4 2 99 18	Vapor Type	Nicotine free	3.61290323	0.29467536	1.47E-34	2.42E-32
Metabolism Enzyme families	ko01000	Enzymes		ribonuclease III family protein EC 3 1 26	Vapor Type	Nicotine free	3.83226287	0.21667882	1.11E-69	5.55E-67
Metabolism Enzyme families	ko01000	Enzymes	core	ribonuclease III family protein EC 3 1 26	Vapor Type	Nicotine plus	2.6511236	0.22178345	6.21E-33	9.30E-31
Metabolism Enzyme families	ko01000	Enzymes	core	diaminohydroxyphosphoribosylaminopyrimidine deaminase	Vapor Type	Nicotine free	4.80080346	0.42907342	4.63E-29	5.58E-27
Metabolism Enzyme families	ko01000	Enzymes		cation transporting P type ATPase E EC 3 6 3	Vapor Type	Nicotine free	1.74264004	0.03748564	0	0
Metabolism Enzyme families	ko01000	Enzymes		cation transporting P type ATPase E EC 3 6 3	Vapor Type	Nicotine plus	0.80714855	0.04158429	6.36E-84	4.13E-81
Metabolism Enzyme families	ko01000	Enzymes		rhmannosyltransferase EC 2 4 1	Vapor Type	Nicotine free	4.21420967	0.39942354	5.04E-26	5.00E-24
Metabolism Enzyme families	ko01000	Enzymes		1 2 diacylglycerol 3 alpha glucose alpha 1 2 glucosyltransfer	Vapor Type	Nicotine free	4.69091169	0.44204982	2.63E-26	2.66E-24
Metabolism Enzyme families	ko01000	Enzymes		arylacetamide deacetylase lie 3 4 EC 3 1 1	Vapor Type	Nicotine free	2.80635782	0.22563715	1.64E-35	2.81E-33
Metabolism Enzyme families	ko01000	Enzymes		threonylcarbamoyladenosine tRNA methylthiotransferase M	Vapor Type	Nicotine free	4.81070287	0.39330188	2.11E-34	3.45E-32
Metabolism Enzyme families	ko01000	Enzymes	core	epoxyqueuosine reductase EC 1 17 99 6	Vapor Type	Nicotine free	4.0487884	0.19744866	1.92E-93	1.40E-90
Metabolism Enzyme families	ko01000	Enzymes	core	epoxyqueuosine reductase EC 1 17 99 6	Vapor Type	Nicotine plus	3.10779359	0.19967673	1.28E-54	4.45E-52
Metabolism Enzyme families	ko01000	Enzymes		polyisoprenyl phosphate glycosyltransferase EC 2 4	Vapor Type	Nicotine free	5.79008215	0.40210941	5.23E-47	1.40E-44
Metabolism Enzyme families	ko01000	Enzymes		polyisoprenyl phosphate glycosyltransferase EC 2 4	Vapor Type	Nicotine plus	4.41994823	0.40350763	6.37E-28	7.15E-26
Metabolism Enzyme families	ko01000	Enzymes		acetoin 2 6 dichlorophenolindophenol oxidoreductase subun	Vapor Type	Nicotine free	2.45064627	0.33464544	2.33E-40	4.94E-38
Metabolism Enzyme families	ko01000	Enzymes		N 2 amino 2 carboxyethyl L glutamate synthase EC 2 5 1 1	Biofilm Type	Pathogen-rich	-3.191124	0.29080279	5.13E-28	5.79E-26
Metabolism Enzyme families	ko01000	Enzymes	core	ransporting ATPase ATPase A chain EC 3 6 3 12	Vapor Type	Nicotine free	5.0401751	0.48645175	3.73E-25	3.52E-23
Metabolism Enzyme families	ko01000	Enzymes	core	ransporting ATPase ATPase B chain EC 3 6 3 12	Vapor Type	Nic				

Metabolism Enzyme families	ko01000	Enzymes		GSH dependent disulfide bond oxidoreductase EC 1 8 4	Vapor Type	Nicotine free	3.70669242	0.37739452	9.07E-23	7.32E-21
Metabolism Enzyme families	ko01000	Enzymes		adenosylcobalamin synthase EC 6 3 5 10	Vapor Type	Nicotine free	3.28283637	0.33640548	1.70E-22	1.35E-20
Metabolism Enzyme families	ko01000	Enzymes		5 carboxyamino imidazole ribonucleotide synthase EC 6 3 4	Vapor Type	Nicotine free	4.0263147	0.41307028	1.89E-22	1.51E-20
Metabolism Enzyme families	ko01000	Enzymes		3 dehydroquinate synthase EC 4 2 3 4	Vapor Type	Nicotine free	2.02473688	0.20959956	4.46E-22	3.46E-20
Metabolism Enzyme families	ko01000	Enzymes		16S rRNA cytosine967 C5 methyltransferase EC 2 1 1 176	Vapor Type	Nicotine free	3.67204322	0.38063606	5.06E-22	3.92E-20
Metabolism Enzyme families	ko01000	Enzymes		UDP N acetylglucosamine inase EC 2 7 1 176	Vapor Type	Nicotine free	4.42484056	0.45885257	5.25E-22	4.06E-20
Metabolism Enzyme families	ko01000	Enzymes	core	anaerobic dimethyl sulfoxide reductase subunit A EC 1 8 5 3	Biofilm type	Intermediate	-3.1970804	0.33227676	6.47E-22	4.99E-20
Metabolism Enzyme families	ko01000	Enzymes		deoxynibodipyrroline photo lyase EC 4 1 9 3	Vapor Type	Nicotine free	5.07042048	0.52778405	7.47E-22	5.71E-20
Metabolism Enzyme families	ko01000	Enzymes		chorismate mutase prephenate dehydratase EC 5 4 99 5 4	Vapor Type	Nicotine free	4.433264031	0.46153334	6.88E-22	5.83E-20
Metabolism Enzyme families	ko01000	Enzymes	core	lipid A disaccharide synthase EC 2 4 1 182	Vapor Type	Nicotine free	4.17514811	0.4353321	8.73E-22	6.57E-20
Metabolism Enzyme families	ko01000	Enzymes		adenosylcobalamin GDP ribazoletransferase EC 2 7 8 26	Vapor Type	Nicotine plus	2.37526118	0.24784146	9.35E-22	7.02E-20
Metabolism Enzyme families	ko01000	Enzymes		acetylornithine N succinylaminoiminopimelate aminotransferase	Vapor Type	Nicotine plus	2.31524326	0.24244425	1.30E-21	9.68E-20
Metabolism Enzyme families	ko01000	Enzymes		magnesium chelatase subunit D EC 6 6 1 1	Vapor Type	Nicotine free	4.71034781	0.49457916	1.67E-21	1.23E-19
Metabolism Enzyme families	ko01000	Enzymes		4 oxalocrotonate tautomerase EC 5 3 2 6	Vapor Type	Nicotine free	3.77548561	0.39697454	1.89E-21	1.40E-19
Metabolism Enzyme families	ko01000	Enzymes		arsenate reductase EC 1 20 4 1	Vapor Type	Nicotine free	4.41157377	0.46405056	1.97E-21	1.45E-19
Metabolism Enzyme families	ko01000	Enzymes		phosphoglycerate phosphatase EC 3 1 3 18	Vapor Type	Nicotine free	4.03934786	0.42489531	1.97E-21	1.45E-19
Metabolism Enzyme families	ko01000	Enzymes		meso butanediol dehydrogenase S 5 butanediol dehydrog	Vapor Type	Nicotine free	5.94590863	0.62630383	2.23E-21	1.63E-19
Metabolism Enzyme families	ko01000	Enzymes		threonylcarbamoyladenosine tRNA methylthiotransferase M	Vapor Type	Nicotine plus	3.72560593	0.39544664	4.46E-21	3.21E-19
Metabolism Enzyme families	ko01000	Enzymes		cob I alamin adenosyltransferase EC 2 5 1 17	Vapor Type	Nicotine free	3.95984833	0.42168994	5.98E-21	4.28E-19
Metabolism Enzyme families	ko01000	Enzymes		2 isopropylmalate synthase EC 2 3 3 13	Biofilm type	Intermediate	-0.3561573	0.30793138	6.03E-21	4.31E-19
Metabolism Enzyme families	ko01000	Enzymes		alpha glycerolphosphate oxidase EC 1 1 3 21	Biofilm type	Intermediate	-0.4058647	0.04325224	6.37E-21	4.54E-19
Metabolism Enzyme families	ko01000	Enzymes		formiminotetrahydrofolate cyclodeaminase EC 4 3 1 4	Vapor Type	Nicotine free	3.24107542	0.34727545	1.03E-20	7.21E-19
Metabolism Enzyme families	ko01000	Enzymes		phosphomethylpyrimidine synthase EC 4 1 99 17	Vapor Type	Nicotine free	3.93456844	0.42197798	1.12E-20	7.78E-19
Metabolism Enzyme families	ko01000	Enzymes		phosphatidylglycerol prolipoprotein diacylglycerol transferase	Vapor Type	Nicotine free	3.59353563	0.38627985	1.37E-20	9.46E-19
Metabolism Enzyme families	ko01000	Enzymes		muramoyltetrapeptide carboxypeptidase EC 3 4 17 13	Vapor Type	Nicotine free	4.04148997	0.43597967	1.86E-20	1.28E-19
Metabolism Enzyme families	ko01000	Enzymes		magnesium chelatase subunit I EC 6 6 1 1	Biofilm type	Pathogen-rich	-2.6946671	0.29079791	1.92E-20	1.32E-19
Metabolism Enzyme families	ko01000	Enzymes		cysteine desulfurase selenocysteine lyase EC 2 8 1 7 4 4 1	Vapor Type	Nicotine free	3.68062236	0.39814724	2.37E-20	1.62E-19
Metabolism Enzyme families	ko01000	Enzymes		choline dehydrogenase EC 1 1 99 1	Vapor Type	Nicotine free	5.12002798	0.55391731	2.39E-20	1.63E-19
Metabolism Enzyme families	ko01000	Enzymes		aspartate 1 decarboxylase EC 4 1 1 11	Vapor Type	Nicotine free	4.48079364	0.48487036	2.44E-20	1.66E-19
Metabolism Enzyme families	ko01000	Enzymes		topoisomerase IV subunit B EC 5 99 1	Vapor Type	Nicotine free	3.31681104	0.35904121	2.51E-20	1.70E-19
Metabolism Enzyme families	ko01000	Enzymes		two component system sensor histidine inase PtdAs EC 2 7	Vapor Type	Nicotine plus	2.73024278	0.2964617	3.28E-20	2.22E-19
Metabolism Enzyme families	ko01000	Enzymes		destruxinase EC 2 4 1 5	Vapor Type	Nicotine free	4.26360057	0.46308754	3.36E-20	2.27E-19
Metabolism Enzyme families	ko01000	Enzymes		ribosease EC 2 7 1 15	Vapor Type	Nicotine plus	3.22688454	0.3510274	3.83E-20	2.58E-19
Metabolism Enzyme families	ko01000	Enzymes		arabinose 5 phosphate isomerase EC 5 3 1 13	Vapor Type	Nicotine free	3.93744385	0.42986624	5.20E-20	3.45E-19
Metabolism Enzyme families	ko01000	Enzymes		O succinylbenzoic acid CoA ligase EC 6 2 1 26	Vapor Type	Nicotine free	4.03029739	0.4401281	5.33E-20	3.52E-19
Metabolism Enzyme families	ko01000	Enzymes		aspartate ammonia lyase EC 4 3 1 1	Vapor Type	Nicotine free	5.11638278	0.55929497	5.80E-20	3.82E-19
Metabolism Enzyme families	ko01000	Enzymes		N acetylneuraminate lyase EC 4 3 1 3	Vapor Type	Nicotine free	3.5921315	0.39278136	5.94E-20	3.91E-19
Metabolism Enzyme families	ko01000	Enzymes	core	anaerobic dimethyl sulfoxide reductase subunit A EC 1 8 5 3	Vapor Type	Nicotine free	3.65794275	0.40042395	6.53E-20	4.28E-19
Metabolism Enzyme families	ko01000	Enzymes		dipeptidase II EC 3 4 13 21	Vapor Type	Nicotine free	3.15660231	0.34571694	6.81E-20	4.46E-19
Metabolism Enzyme families	ko01000	Enzymes		O acetylhomoserine thiol lyase EC 2 5 1 49	Biofilm type	Intermediate	-0.5780018	0.06331312	6.90E-20	4.51E-19
Metabolism Enzyme families	ko01000	Enzymes		catechol 2 3 dioxygenase EC 1 13 11 2	Vapor Type	Nicotine free	3.50651656	0.38505591	8.50E-20	5.50E-19
Metabolism Enzyme families	ko01000	Enzymes		putative selenate reductase EC 1 97 1 9	Vapor Type	Nicotine free	4.14330984	0.45536388	9.13E-20	5.89E-19
Metabolism Enzyme families	ko01000	Enzymes		protein arginine inase EC 2 7 14 1	Vapor Type	Nicotine free	6.02085661	0.66247736	1.01E-19	6.47E-19
Metabolism Enzyme families	ko01000	Enzymes		dGTPase EC 3 1 5 1	Vapor Type	Nicotine free	3.74889004	0.41271723	1.05E-19	6.76E-19
Metabolism Enzyme families	ko01000	Enzymes		ribonucleoside diphosphate reductase alpha chain EC 1 17 4	Vapor Type	Nicotine free	3.63006917	0.39969967	1.07E-19	6.83E-19
Metabolism Enzyme families	ko01000	Enzymes		acyl CoA thioester hydrolase EC 3 1 2	Vapor Type	Nicotine plus	3.23059008	0.35638507	1.25E-19	7.94E-19
Metabolism Enzyme families	ko01000	Enzymes		TatD DNase family protein EC 3 1 21	Vapor Type	Nicotine free	3.12926273	0.34580766	1.44E-19	9.13E-19
Metabolism Enzyme families	ko01000	Enzymes		PTS system N acetylglucosamine specific IIA component	Vapor Type	Nicotine free	3.56256123	0.39594513	2.31E-19	1.44E-17
Metabolism Enzyme families	ko01000	Enzymes		meso butanediol dehydrogenase S 5 butanediol dehydrog	Biofilm type	Pathogen-rich	0.66564985	0.07398113	2.31E-19	1.44E-17
Metabolism Enzyme families	ko01000	Enzymes		glyoxylate reductase EC 1 1 1 26	Vapor Type	Nicotine plus	3.64907104	0.45858926	2.51E-19	1.54E-17
Metabolism Enzyme families	ko01000	Enzymes		Fe coproporphyrin III decarboxylase EC 1 11 1	Vapor Type	Nicotine free	5.29913318	0.5894653	2.48E-19	1.54E-17
Metabolism Enzyme families	ko01000	Enzymes		N acetyl gamma glutamyl phosphate reductase EC 1 2 1 38	Vapor Type	Nicotine plus	2.68219194	0.29862678	2.66E-19	1.65E-17
Metabolism Enzyme families	ko01000	Enzymes	core	arsenate reductase EC 1 20 4 1	Vapor Type	Nicotine free	3.71419242	0.41407381	2.97E-19	1.83E-17
Metabolism Enzyme families	ko01000	Enzymes		riboflavin inase FMN adenyltransferase EC 2 7 1 26 2 7	Vapor Type	Nicotine free	3.55795739	0.3967565	3.03E-19	1.87E-17
Metabolism Enzyme families	ko01000	Enzymes		pyruvate formate lyase activating enzyme EC 1 97 1 4	Vapor Type	Nicotine free	3.53641214	0.39613978	4.37E-19	2.65E-17
Metabolism Enzyme families	ko01000	Enzymes		guanine deaminase EC 3 5 4 3	Vapor Type	Nicotine free	4.12746999	0.46337702	5.23E-19	3.16E-17
Metabolism Enzyme families	ko01000	Enzymes		sulfonotriase EC 2 7 1 184	Vapor Type	Nicotine free	3.5600346	0.39981301	5.37E-19	3.25E-17
Metabolism Enzyme families	ko01000	Enzymes		12 diacylglycerol 3 alpha glucose alpha 1 2 glucosyltransfer	Vapor Type	Nicotine plus	3.94051572	0.44348182	6.37E-19	3.81E-17
Metabolism Enzyme families	ko01000	Enzymes		acetoin 2 6 dichlorophenoldiolphenol oxidoreductase subun	Vapor Type	Nicotine plus	3.00506711	0.33875618	7.26E-19	4.31E-17
Metabolism Enzyme families	ko01000	Enzymes		oligo 1 6 glucosidase EC 3 2 1 10	Vapor Type	Nicotine plus	4.21963933	0.47641096	8.21E-19	4.86E-17
Metabolism Enzyme families	ko01000	Enzymes		homocysteine S methyltransferase EC 2 1 1 10	Vapor Type	Nicotine plus	3.09409602	0.34947258	9.29E-19	5.47E-17
Metabolism Enzyme families	ko01000	Enzymes		CoA disulfide reductase EC 1 8 1 14	Vapor Type	Nicotine free	5.06443798	0.57272632	9.34E-19	5.50E-17
Metabolism Enzyme families	ko01000	Enzymes	core	DNA polymerase III subunit gamma tau EC 2 7 7 7	Vapor Type	Nicotine free	4.05010861	0.45902484	1.11E-18	6.52E-17
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit G EC 1 6 5 3	Vapor Type	Nicotine free	4.27267693	0.48449067	1.16E-18	6.76E-17
Metabolism Enzyme families	ko01000	Enzymes		putative N6 adenine specific DNA methylase EC 2 1 1	Vapor Type	Nicotine free	3.87890262	0.44032061	1.26E-18	7.32E-17
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol 3 phosphate cytidylyltransferase EC 2 7 7 39	Vapor Type	Nicotine free	3.71964595	0.42260506	1.35E-18	7.79E-17
Metabolism Enzyme families	ko01000	Enzymes	core	glycogen phosphorylase EC 2 4 1 1	Vapor Type	Nicotine free	3.2831084	0.37333331	1.44E-18	8.32E-17
Metabolism Enzyme families	ko01000	Enzymes	core	diamine N acetyltransferase EC 2 3 1 57	Vapor Type	Nicotine plus	2.63171216	0.29954767	1.56E-18	8.93E-17
Metabolism Enzyme families	ko01000	Enzymes		ifunctional autolysin EC 3 5 1 28 3 2 96	Vapor Type	Nicotine free	7.1768846	0.81687872	1.55E-18	8.33E-17
Metabolism Enzyme families	ko01000	Enzymes		2 oxoacid phosphate dehydrogenase component dihydrolipo	Biofilm type	Pathogen-rich	4.93184064	0.61558997	1.94E-17	9.17E-17
Metabolism Enzyme families	ko01000	Enzymes		alpha glycerophosphate oxidase EC 1 13 21	Biofilm type	Pathogen-rich	-0.376306	0.04287279	1.67E-18	9.55E-17
Metabolism Enzyme families	ko01000	Enzymes		imidazolepropionate EC 3 5 2 7	Vapor Type	Nicotine plus	2.59334354	0.29563614	1.75E-18	9.98E-17
Metabolism Enzyme families	ko01000	Enzymes		rhannosyltransferase EC 2 4 1	Vapor Type	Nicotine plus	3.52296739	0.40173074	1.80E-18	1.02E-16
Metabolism Enzyme families	ko01000	Enzymes		processive 1 2 diacylglycerol beta glucosyltransferase EC 2	Vapor Type	Nicotine plus	3.78689016	0.43303822	2.23E-18	1.26E-16
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol dehydrogenase EC 1 1 1 6	Biofilm type	Intermediate	-0.4412626	0.05050357	2.39E-18	1.35E-16
Metabolism Enzyme families	ko01000	Enzymes	core	adenosylhomocysteine nucleosidase EC 3 2 2 9	Vapor Type	Nicotine plus	2.68341146	0.30777161	2.48E-18	1.39E-16
Metabolism Enzyme families	ko01000	Enzymes		phosphonate transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine free	4.63452722	0.5324943	3.22E-18	1.80E-16
Metabolism Enzyme families	ko01000	Enzymes		5 carboxyamino imidazole ribonucleotide mutase EC 5 4 99	Vapor Type	Nicotine free	2.96820718	0.34117363	3.32E-18	1.85E-16
Metabolism Enzyme families	ko01000	Enzymes	core	glycine C acetyltransferase EC 3 1 3 29	Vapor Type	Nicotine free	3.40502142	0.39209743	3.82E-18	2.12E-16
Metabolism Enzyme families	ko01000	Enzymes		presequence protease EC 3 4 2 4	Vapor Type	Nicotine free	4.91566404	0.56750859	4.64E-18	2.58E-16
Metabolism Enzyme families	ko01000	Enzymes		undecaprenyl phosphate galactose phosphotransferase EC	Vapor Type	Nicotine free	4.75860423	0.55153295	6.25E-18	3.41E-16
Metabolism Enzyme families	ko01000	Enzymes		phosphoenolpyruvate carboxylase diphosphate EC 4 1 1 3	Biofilm type	Pathogen-rich	-2.7893892	0.32395557	7.28E-18	3.96E-16
Metabolism Enzyme families	ko01000	Enzymes	core	acetylglutamate inase EC 2 7 2 8	Vapor Type	Nicotine plus	2.46092083	0.28680464	9.45E-18	5.10E-16
Metabolism Enzyme families	ko01000	Enzymes		precorrin 6A cobalt precorrin 6A reductase EC 1 3 1 54 1 3 1	Vapor Type	Nicotine plus	2.94737051	0.34383061	1.02E-17	5.46E-16
Metabolism Enzyme families	ko01000	Enzymes		endonuclease III EC 4 2 99 18	Vapor Type	Nicotine plus	2.54888411	0.29735286	1.02E-17	5.46E-16
Metabolism Enzyme families	ko01000	Enzymes	core	gamma polyglutamate synthase EC 6 3 2	Vapor Type	Nicotine free	4.90316061	0.57332672	1.21E-17	6.44E-16
Metabolism Enzyme families	ko01000	Enzymes		protoporphyrin coproporphyrin ferrochelatase EC 4 99 1 14	Vapor Type	Nicotine plus	2.84300838	0.33245876	1.22E-17	6.47E-16
Metabolism Enzyme families	ko01000	Enzymes		D tyrosyl tRNA Tyr deacylase EC 3 1	Vapor Type	Nicotine free	2.20820359	0.25832908	1.25E-17	6.66E-16
Metabolism Enzyme families	ko01000	Enzymes		2 iminobutanolate 2 iminopropanolate deaminase EC 3 5 99	Vapor Type	Nicotine free	3.14511026	0.36912181	1.59E-17	8.37E-16
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol 3 phosphate acyltransferase PksX EC 2 3 1 15	Vapor Type	Nicotine free	3.84601054	0.45259997	1.94E-17	1.02E-15
Metabolism Enzyme families	ko01000	Enzymes		3 phosphohistamine 1 carbonylmethyltransferase EC 2 5 1 19	Vapor Type	Nicotine free	2.18761607	0.25755175	2.00E-17	1.04E-15
Metabolism Enzyme families	ko01000	Enzymes		carbonyldiopterin molibdotransferase EC 2 10 1 1	Vapor Type	Nicotine free	4.96322417	0.5844229	2.02E-17	1.05E-15
Metabolism Enzyme families	ko01000	Enzymes		carbonic anhydrase EC 4 2						

Metabolism Enzyme families	ko01000	Enzymes		ribosomal protein S12 methyltransferase EC 2.8.4.4	Vapor Type	Nicotine free	3.9897528	0.48376448	1.62E-16	7.80E-15
Metabolism Enzyme families	ko01000	Enzymes		methionyl aminopeptidase EC 3.4.11.18	Vapor Type	Nicotine free	3.20758794	0.38934659	1.75E-16	8.39E-15
Metabolism Enzyme families	ko01000	Enzymes	core	glycerate dehydrogenase EC 1.1.1.29	Vapor Type	Nicotine free	4.423648	0.53769772	1.92E-16	9.19E-15
Metabolism Enzyme families	ko01000	Enzymes		cytopropane fatty acyl phospholipid synthase EC 2.11.79	Vapor Type	Nicotine free	3.44157699	0.41932596	2.26E-16	1.07E-14
Metabolism Enzyme families	ko01000	Enzymes		magnesium chelatase subunit D EC 6.6.1.1	Vapor Type	Nicotine plus	4.06493323	0.49547213	2.32E-16	1.10E-14
Metabolism Enzyme families	ko01000	Enzymes		4 alpha glucanotransferase EC 2.4.1.25	Vapor Type	Nicotine free	3.61415828	0.44094428	2.48E-16	1.17E-14
Metabolism Enzyme families	ko01000	Enzymes		UDP GlcNAc undecaprenyl phosphate decaprenyl phosphate	Biofilm type	Pathogen-rich	-0.351276	0.04295871	2.91E-16	1.37E-14
Metabolism Enzyme families	ko01000	Enzymes		LAD AOD transport system inase EC 2.7	Vapor Type	Nicotine free	4.83886948	0.51951545	2.97E-16	1.40E-14
Metabolism Enzyme families	ko01000	Enzymes		D beta D heptose 7 phosphate inase D beta D heptose 1 phosphate	Vapor Type	Nicotine plus	3.39373102	0.41711531	3.72E-16	1.77E-14
Metabolism Enzyme families	ko01000	Enzymes	core	nonpyscriminating glutamyl tRNA synthetase EC 6.1.1.24	Vapor Type	Nicotine free	4.27252785	0.52500993	4.02E-16	1.87E-14
Metabolism Enzyme families	ko01000	Enzymes	core	lipopolysaccharide export system ATP binding protein EC 3	Vapor Type	Nicotine free	3.98551759	0.49136315	5.01E-16	2.32E-14
Metabolism Enzyme families	ko01000	Enzymes	core	pyruvate dehydrogenase quinone EC 1.2.5.1	Vapor Type	Nicotine free	5.61152322	0.6924051	5.30E-16	2.45E-14
Metabolism Enzyme families	ko01000	Enzymes		aminopeptidase EC 3.4.11	Vapor Type	Nicotine free	3.88622597	0.48022156	5.61E-16	2.58E-14
Metabolism Enzyme families	ko01000	Enzymes		Xaa Pro aminopeptidase EC 3.4.11.9	Vapor Type	Nicotine free	3.70882568	0.45823374	5.79E-16	2.66E-14
Metabolism Enzyme families	ko01000	Enzymes		panetheine phosphate adenyllyltransferase EC 2.7.7.3	Vapor Type	Nicotine free	3.44101448	0.42541918	6.04E-16	2.78E-14
Metabolism Enzyme families	ko01000	Enzymes		pyridoxal 5 phosphate synthase pdkS subunit EC 4.3.3.6	Vapor Type	Nicotine free	3.47522496	0.43061679	7.01E-16	3.21E-14
Metabolism Enzyme families	ko01000	Enzymes	core	Cu2 exporting ATPase EC 3.6.3.4	Vapor Type	Nicotine free	4.05178203	0.5020522	7.00E-16	3.21E-14
Metabolism Enzyme families	ko01000	Enzymes		ADP dependent NAD P H hydrate dehydratase EC 4.2.1.136	Vapor Type	Nicotine free	3.93084591	0.48460484	7.90E-16	3.59E-14
Metabolism Enzyme families	ko01000	Enzymes		GSH dependent disulfide bond oxidoreductase EC 1.8.4	Vapor Type	Nicotine plus	3.04785307	0.38039528	1.13E-15	5.06E-14
Metabolism Enzyme families	ko01000	Enzymes		exopolyphosphatase guanosine 5 triphosphate 3 diphosph	Vapor Type	Nicotine plus	3.29021092	0.41076267	1.15E-15	5.14E-14
Metabolism Enzyme families	ko01000	Enzymes		hydrogenase large subunit EC 1.12.99.6	Vapor Type	Nicotine free	4.37568854	0.5464928	1.18E-15	5.27E-14
Metabolism Enzyme families	ko01000	Enzymes		cobalt precorrin 7 C5 methyltransferase EC 2.1.1.289	Vapor Type	Nicotine plus	2.96942983	0.37104853	1.22E-15	5.44E-14
Metabolism Enzyme families	ko01000	Enzymes		3 5 nucleoside bisphosphate phosphatase EC 3.1.3.97	Vapor Type	Nicotine free	4.21934196	0.52728386	1.22E-15	5.47E-14
Metabolism Enzyme families	ko01000	Enzymes		tRNA cytidine uridine 2 O methyltransferase EC 2.1.1.202	Vapor Type	Nicotine plus	2.4933057	0.3120139	1.34E-15	5.96E-14
Metabolism Enzyme families	ko01000	Enzymes		two component system NarL family sensor histidine inase	Vapor Type	Nicotine free	4.08239533	0.51094414	1.35E-15	6.01E-14
Metabolism Enzyme families	ko01000	Enzymes		release factor glutamine methyltransferase EC 2.1.1.297	Vapor Type	Nicotine plus	2.73471653	0.34288638	1.52E-15	6.71E-14
Metabolism Enzyme families	ko01000	Enzymes	core	diaminopropionate ammonia lyase EC 4.3.1.15	Vapor Type	Nicotine free	4.06682803	0.5099911	1.53E-15	6.76E-14
Metabolism Enzyme families	ko01000	Enzymes		bifunctional oligoribonuclease and PAP phosphatase NraA	Vapor Type	Nicotine free	3.81017325	0.47804663	1.58E-15	6.97E-14
Metabolism Enzyme families	ko01000	Enzymes		cation transporting P type ATPase E EC 3.6.3	Biofilm type	Intermediate	-0.2364936	0.02435507	1.72E-15	7.57E-14
Metabolism Enzyme families	ko01000	Enzymes		holliday junction DNA helicase RuvK EC 3.6.4.12	Vapor Type	Nicotine free	3.51297562	0.44155336	1.78E-15	7.99E-14
Metabolism Enzyme families	ko01000	Enzymes		electron transfer flavoprotein quinone oxidoreductase EC 1	Vapor Type	Nicotine free	3.25346337	0.40976239	2.02E-15	8.83E-14
Metabolism Enzyme families	ko01000	Enzymes		hydrogenase maturation protein EC 3.4.23	Vapor Type	Nicotine free	3.72188739	0.47121196	2.82E-15	1.21E-13
Metabolism Enzyme families	ko01000	Enzymes		protoporphyrinogen coproporphyrinogen III oxidase EC 1.3.3	Vapor Type	Nicotine plus	3.96516907	0.50240422	2.96E-15	1.27E-13
Metabolism Enzyme families	ko01000	Enzymes		muramoyltetrapeptide carbonylpeptidase EC 3.4.17.13	Vapor Type	Nicotine plus	3.44519304	0.43775206	3.54E-15	1.50E-13
Metabolism Enzyme families	ko01000	Enzymes	core	lipid A disaccharide synthase EC 2.4.1.182	Vapor Type	Nicotine plus	3.44082186	0.43724442	3.57E-15	1.51E-13
Metabolism Enzyme families	ko01000	Enzymes		chorismate synthase EC 4.2.3.5	Vapor Type	Nicotine free	3.09739071	0.39439848	4.05E-15	1.71E-13
Metabolism Enzyme families	ko01000	Enzymes		non specific ribonucleoside hydrolase EC 3.2	Vapor Type	Nicotine free	4.5792531	0.58337198	4.17E-15	1.75E-13
Metabolism Enzyme families	ko01000	Enzymes		endoglycosylceramidase EC 3.2.1.123	Biofilm type	Pathogen-rich	-2.2995097	0.29334438	4.54E-15	1.91E-13
Metabolism Enzyme families	ko01000	Enzymes		repressor LexA EC 3.4.21.88	Vapor Type	Nicotine free	4.65999456	0.59470232	4.66E-15	1.95E-13
Metabolism Enzyme families	ko01000	Enzymes		naphthoate synthase EC 4.1.1.3.36	Vapor Type	Nicotine plus	3.32450394	0.42482409	5.05E-15	2.11E-13
Metabolism Enzyme families	ko01000	Enzymes		chorismate mutase prephenate dehydratase EC 5.4.99.5.4	Vapor Type	Nicotine plus	3.62319686	0.46359248	5.48E-15	2.28E-13
Metabolism Enzyme families	ko01000	Enzymes	core	23S rRNA uracil1939 C5 methyltransferase EC 2.1.1.190	Vapor Type	Nicotine free	3.12391189	0.39972977	5.49E-15	2.29E-13
Metabolism Enzyme families	ko01000	Enzymes		dihydropterate synthase EC 2.5.1.15	Vapor Type	Nicotine free	3.43821426	0.44029424	5.77E-15	2.40E-13
Metabolism Enzyme families	ko01000	Enzymes		anaerobillin synthase EC 2.1.1.342	Vapor Type	Nicotine free	3.51174287	0.45048504	6.42E-15	2.65E-13
Metabolism Enzyme families	ko01000	Enzymes		phosphomethylpyrimidine synthase EC 4.1.99.17	Vapor Type	Nicotine plus	3.29413297	0.42326119	7.10E-15	2.92E-13
Metabolism Enzyme families	ko01000	Enzymes		D-osephutolase 7 phosphate isomerase EC 5.3.1.28	Vapor Type	Nicotine free	3.56028192	0.45817785	7.82E-15	3.20E-13
Metabolism Enzyme families	ko01000	Enzymes		NAD synthase glutamine hydrolysing EC 6.5.5.1	Biofilm type	Pathogen-rich	-2.5220783	0.32479276	8.16E-15	3.33E-13
Metabolism Enzyme families	ko01000	Enzymes		DNA primase EC 2.7.7	Vapor Type	Nicotine plus	2.84772415	0.36699643	8.49E-15	3.45E-13
Metabolism Enzyme families	ko01000	Enzymes		acetaldehyde dehydrogenase alcohol dehydrogenase EC 1	Vapor Type	Nicotine free	4.05961934	0.52438479	9.81E-15	3.97E-13
Metabolism Enzyme families	ko01000	Enzymes		diisopentase D EC 3.4.13	Vapor Type	Nicotine free	3.72197562	0.44155336	9.88E-15	3.99E-13
Metabolism Enzyme families	ko01000	Enzymes		16S rRNA cytosine1402 N4 methyltransferase EC 2.1.1.199	Vapor Type	Nicotine free	3.38766393	0.39991738	1.35E-14	5.42E-13
Metabolism Enzyme families	ko01000	Enzymes		ribonuclease P protein component EC 3.1.26.5	Vapor Type	Nicotine free	3.28213619	0.42660045	1.43E-14	5.70E-13
Metabolism Enzyme families	ko01000	Enzymes		enoyl acyl carrier protein reductase I EC 1.3.19.13.1.10	Vapor Type	Nicotine free	5.82450004	0.75719819	1.45E-14	5.76E-13
Metabolism Enzyme families	ko01000	Enzymes		stimulated pyrophosphate energized sodium pump EC 6.3.6	Vapor Type	Nicotine free	3.41416988	0.44475131	1.63E-14	6.45E-13
Metabolism Enzyme families	ko01000	Enzymes		maltose 6 phosphate phosphatase EC 3.1.3.90	Vapor Type	Nicotine free	3.70417879	0.48295563	1.72E-14	6.77E-13
Metabolism Enzyme families	ko01000	Enzymes		imidazoleglycerol phosphate dehydratase EC 4.2.1.19	Vapor Type	Nicotine plus	3.91207451	0.51017355	1.75E-14	6.86E-13
Metabolism Enzyme families	ko01000	Enzymes		hyaluronase lyase EC 4.2.2.1	Biofilm type	Pathogen-rich	-2.5597652	0.33398452	1.80E-14	7.06E-13
Metabolism Enzyme families	ko01000	Enzymes		nitrate reductase nitrite oxidoreductase beta subunit EC 1	Vapor Type	Nicotine plus	3.85979615	0.50380483	1.84E-14	7.22E-13
Metabolism Enzyme families	ko01000	Enzymes		nitrobenzene PH EC 2.7.7.56	Vapor Type	Nicotine free	4.21306246	0.55011387	1.88E-14	7.36E-13
Metabolism Enzyme families	ko01000	Enzymes		valyl tRNA synthetase EC 6.1.1.9	Vapor Type	Nicotine plus	2.59316964	0.33885855	1.97E-14	7.69E-13
Metabolism Enzyme families	ko01000	Enzymes		cephalosporin C deacetylase EC 3.1.1.41	Vapor Type	Nicotine free	3.64069755	0.47709629	2.33E-14	9.07E-13
Metabolism Enzyme families	ko01000	Enzymes		beta ureidopropionase N carbamoyl L amino acid hydrolase	Vapor Type	Nicotine free	4.03343377	0.52914996	2.49E-14	9.66E-13
Metabolism Enzyme families	ko01000	Enzymes		presequence protease EC 3.4.24	Vapor Type	Nicotine plus	4.32869496	0.56803993	2.53E-14	9.79E-13
Metabolism Enzyme families	ko01000	Enzymes		demethylmenaquinone methyltransferase 2 methoxy 6 pol	Vapor Type	Nicotine plus	3.25047696	0.42684456	2.63E-14	1.02E-12
Metabolism Enzyme families	ko01000	Enzymes		L malate glycosyltransferase EC 2.4.1	Vapor Type	Nicotine free	5.53574574	0.7274834	2.75E-14	1.06E-12
Metabolism Enzyme families	ko01000	Enzymes		uridylate inase EC 2.7.4.22	Vapor Type	Nicotine free	3.49767929	0.46123457	3.37E-14	1.28E-12
Metabolism Enzyme families	ko01000	Enzymes		methylthioribose 1 phosphate isomerase EC 5.3.1.23	Vapor Type	Nicotine free	4.52520124	0.5973251	3.57E-14	1.36E-12
Metabolism Enzyme families	ko01000	Enzymes		ribitol 5 phosphate 2 dehydrogenase NADP EC 1.1.1.405	Vapor Type	Nicotine free	3.38577416	0.44723631	3.72E-14	1.41E-12
Metabolism Enzyme families	ko01000	Enzymes		pyroglutaminyl peptidase EC 3.4.19.3	Vapor Type	Nicotine plus	2.83284893	0.37521285	4.35E-14	1.64E-12
Metabolism Enzyme families	ko01000	Enzymes		D ribitol 5 phosphate dehydrogenase EC 2.7.7.40	Vapor Type	Nicotine free	3.55857262	0.43785077	4.65E-14	1.65E-12
Metabolism Enzyme families	ko01000	Enzymes		citrate synthase EC 2.3.1.5	Vapor Type	Nicotine plus	2.97231214	0.39383401	4.45E-14	1.68E-12
Metabolism Enzyme families	ko01000	Enzymes		polydenuum cofactor cytidyllyltransferase EC 2.7.7.76	Vapor Type	Nicotine free	4.09920403	0.54333438	4.54E-14	1.71E-12
Metabolism Enzyme families	ko01000	Enzymes		adenosylcobalamin acyl synthase EC 6.3.5.10	Vapor Type	Nicotine plus	2.54401671	0.33798049	5.19E-14	1.94E-12
Metabolism Enzyme families	ko01000	Enzymes		3 deoxy D mannose octulosonate 8 phosphate synthase D	Vapor Type	Nicotine free	3.90662012	0.51948309	5.47E-14	2.05E-12
Metabolism Enzyme families	ko01000	Enzymes		1 acyl sn glycerol 3 phosphate acyltransferase EC 2.3.1.51	Vapor Type	Nicotine free	3.36147856	0.44835359	6.51E-14	2.42E-12
Metabolism Enzyme families	ko01000	Enzymes		asparaginyl tRNA synthetase EC 6.1.1.22	Vapor Type	Nicotine free	3.23668057	0.4333258	8.06E-14	2.97E-12
Metabolism Enzyme families	ko01000	Enzymes		PTS system lactose specific IIA component EC 2.7.1.207	Vapor Type	Nicotine free	5.28215529	0.70777011	8.45E-14	3.11E-12
Metabolism Enzyme families	ko01000	Enzymes		adenosylcobinamide inase adenosylcobinamide phosphate	Vapor Type	Nicotine plus	2.38960157	0.32052542	8.97E-14	3.28E-12
Metabolism Enzyme families	ko01000	Enzymes		Cd2 Zn2 exporting ATPase EC 3.6.3.3.6.3.5	Vapor Type	Nicotine free	4.5456501	0.61121986	9.14E-14	3.34E-12
Metabolism Enzyme families	ko01000	Enzymes		2 C methyl D erythritol 4 phosphate cytidyllyltransferase EC	Vapor Type	Nicotine free	3.79112112	0.50925653	9.74E-14	3.55E-12
Metabolism Enzyme families	ko01000	Enzymes		tagatase 6 phosphate etose aldose isomerase EC 5	Vapor Type	Nicotine free	3.29965275	0.44323975	9.74E-14	3.55E-12
Metabolism Enzyme families	ko01000	Enzymes		dGTPase EC 3.1.5.1	Vapor Type	Nicotine plus	3.08394435	0.41511406	1.09E-13	3.96E-12
Metabolism Enzyme families	ko01000	Enzymes		3 isopropylmalate R 2 methylmalate dehydratase small su	Vapor Type	Nicotine free	3.29371073	0.44431967	1.24E-13	4.44E-12
Metabolism Enzyme families	ko01000	Enzymes		manganese dependent inorganic pyrophosphatase EC 3.6.1	Vapor Type	Nicotine free	3.2465987	0.43798864	1.24E-13	4.45E-12
Metabolism Enzyme families	ko01000	Enzymes		homoserine inase EC 2.7.1.39	Biofilm type	Intermediate	-0.4039938	0.05453686	1.28E-13	4.60E-12
Metabolism Enzyme families	ko01000	Enzymes		4.5 DOPA dioxygenase extradiol EC 1.13.11	Vapor Type	Nicotine free	3.98438453	0.53932623	1.49E-13	5.31E-12
Metabolism Enzyme families	ko01000	Enzymes		magnesium chelatase subunit I EC 6.6.1.1	Biofilm type	Intermediate	-3.9807355	0.54026331	1.73E-13	6.11E-12
Metabolism Enzyme families	ko01000	Enzymes		type III pantothenase inase EC 2.7.1.33	Vapor Type	Nicotine free	3.60314903	0.48913792	1.75E-13	6.19E-12
Metabolism Enzyme families	ko01000	Enzymes		FAD protein FMN transferase EC 2.7.1.180	Vapor Type	Nicotine plus	2.63154482	0.35504457	1.80E-13	6.34E-12
Metabolism Enzyme families	ko01000	Enzymes		6 phosphogluconate dehydrogenase EC 1.1.1.44.1.1.1.343	Vapor Type	Nicotine free	3.5589309	0.48360632	1.85E-13	6.51E-12
Metabolism Enzyme families	ko01000	Enzymes		beta mannosidase EC 3.2.1.25	Biofilm type	Pathogen-rich	-2.5228455	0.3434945	2.06E-13	7.21E-12
Metabolism Enzyme families	ko01000	Enzymes		DNA pyrase subunit B EC 5.99.1.3	Vapor Type	Nicotine free	3.64634479	0.49670819	2.12E-13	7.41E-12
Metabolism Enzyme families	ko01000	Enzymes		3 hydroxacyl acyl carrier protein dehydratase EC 4.2.1.59	Biofilm type	Intermediate	-0.5046494	0.06880454	2.	

Metabolism Enzyme families	ko01000	Enzymes		oxaloacetate decarboxylase alpha subunit EC 4 1 1 3	Vapor Type	Nicotine free	5.26152827	0.73110897	6.17E-13	2.05E-11
Metabolism Enzyme families	ko01000	Enzymes		tRNA nucleotidyltransferase CCA adding enzyme EC 2 7 7 7	Vapor Type	Nicotine free	3.41163502	0.47494408	6.81E-13	2.25E-11
Metabolism Enzyme families	ko01000	Enzymes		A G specific adenine glycosylase EC 3 2 2	Vapor Type	Nicotine free	3.26389683	0.45484949	7.19E-13	2.37E-11
Metabolism Enzyme families	ko01000	Enzymes		glutamate 5 semialdehyde dehydrogenase EC 1 2 1 41	Vapor Type	Nicotine free	3.50053032	0.48801094	7.33E-13	2.41E-11
Metabolism Enzyme families	ko01000	Enzymes		L tartrate dehydratase alpha subunit EC 4 2 1 32	Vapor Type	Nicotine plus	3.45353986	0.48197692	7.76E-13	2.55E-11
Metabolism Enzyme families	ko01000	Enzymes	core	glycine C acetyltransferase EC 2 3 1 29	Vapor Type	Nicotine plus	2.82487711	0.39503499	8.62E-13	2.82E-11
Metabolism Enzyme families	ko01000	Enzymes		16S rRNA pseudouridine516 synthase EC 5 4 9 19	Vapor Type	Nicotine free	3.64855188	0.51085558	9.20E-13	3.00E-11
Metabolism Enzyme families	ko01000	Enzymes		peptide methionine R S oxide reductase EC 1 8 4 12	Vapor Type	Nicotine free	3.72420746	0.52204431	9.76E-13	3.18E-11
Metabolism Enzyme families	ko01000	Enzymes		trehalase 6 phosphate hydrolase EC 3 2 1 93	Vapor Type	Nicotine free	3.32139308	0.45218631	9.95E-13	3.59E-11
Metabolism Enzyme families	ko01000	Enzymes		L tartrate dehydratase beta subunit EC 4 2 1 32	Vapor Type	Nicotine free	3.93011319	0.55311143	1.20E-12	3.87E-11
Metabolism Enzyme families	ko01000	Enzymes		ATP dependent RNA helicase HeliY EC 3 6 4	Biofilm type	Pathogen-rich	2.3627095	0.33274465	1.24E-12	4.00E-11
Metabolism Enzyme families	ko01000	Enzymes		topoisomerase IV subunit A EC 5 9 9 1	Vapor Type	Nicotine free	3.71018637	0.52341944	1.36E-12	4.35E-11
Metabolism Enzyme families	ko01000	Enzymes		sulfite reductase NADPH hemoprotein beta component EC 1 8 1 1	Vapor Type	Nicotine plus	3.24666151	0.4582434	1.39E-12	4.45E-11
Metabolism Enzyme families	ko01000	Enzymes	core	stimulated pyrophosphate energized sodium pump EC 3 6 3	Biofilm type	Intermediate	3.709642	0.52409077	1.46E-12	4.66E-11
Metabolism Enzyme families	ko01000	Enzymes		beta glucuronidase EC 3 2 1 31	Biofilm type	Intermediate	2.6856033	0.37943117	1.46E-12	4.66E-11
Metabolism Enzyme families	ko01000	Enzymes		putative holliday junction resolvase EC 3 1	Vapor Type	Nicotine free	3.83944783	0.54387084	1.67E-12	5.29E-11
Metabolism Enzyme families	ko01000	Enzymes		phosphoglycolate phosphatase EC 3 1 3 18	Vapor Type	Nicotine plus	2.99929306	0.42573217	1.85E-12	5.85E-11
Metabolism Enzyme families	ko01000	Enzymes		protein arginine inase EC 2 7 14 1	Vapor Type	Nicotine plus	4.67262483	0.66344679	1.88E-12	5.93E-11
Metabolism Enzyme families	ko01000	Enzymes		guanine deaminase EC 3 5 4 3	Vapor Type	Nicotine plus	3.2777337	0.465550795	1.91E-12	6.00E-11
Metabolism Enzyme families	ko01000	Enzymes		crossover junction endonuclease RuvC EC 3 1 22 4	Vapor Type	Nicotine free	3.22762709	0.45916921	2.08E-12	6.51E-11
Metabolism Enzyme families	ko01000	Enzymes		dihydrofolate reductase EC 1 5 1 3	Vapor Type	Nicotine free	3.31129514	0.47131825	2.13E-12	6.67E-11
Metabolism Enzyme families	ko01000	Enzymes		23S rRNA pseudouridine1915 N3 methyltransferase EC 2 4 1 1	Vapor Type	Nicotine free	3.51087773	0.50073492	2.36E-12	7.35E-11
Metabolism Enzyme families	ko01000	Enzymes		glycerate dehydrogenase EC 1 1 1 29	Vapor Type	Nicotine plus	3.77607661	0.53930981	2.53E-12	7.85E-11
Metabolism Enzyme families	ko01000	Enzymes		pyrroline 5 carboxylate reductase EC 1 5 1 2	Vapor Type	Nicotine plus	2.65864943	0.38002096	2.63E-12	8.16E-11
Metabolism Enzyme families	ko01000	Enzymes		formamidopyrimidine DNA glycosylase EC 3 2 2 23 4 2 99 1	Vapor Type	Nicotine free	3.49794454	0.49999426	2.63E-12	8.16E-11
Metabolism Enzyme families	ko01000	Enzymes		NAD P H quinone oxidoreductase subunit S EC 1 6 5 3	Vapor Type	Nicotine free	6.77356569	0.96970662	2.85E-12	8.77E-11
Metabolism Enzyme families	ko01000	Enzymes		HPH inase phosphorylase EC 2 7 11 2 7 4	Vapor Type	Nicotine free	3.4442153	0.49326418	2.90E-12	8.93E-11
Metabolism Enzyme families	ko01000	Enzymes		16S rRNA cytosine967 C5 methyltransferase EC 2 1 1 176	Vapor Type	Nicotine plus	2.66226672	0.38148248	2.98E-12	9.16E-11
Metabolism Enzyme families	ko01000	Enzymes		S phosphate synthase pdkT subunit EC 4 3 3 6	Vapor Type	Nicotine free	3.07416571	0.4052873	2.99E-12	9.17E-11
Metabolism Enzyme families	ko01000	Enzymes		ecpA1 tRNA hydrolase PTH1 family EC 3 1 1 29	Vapor Type	Nicotine plus	3.40037039	0.48836138	3.34E-12	1.02E-10
Metabolism Enzyme families	ko01000	Enzymes		S deoxynucleotidase EC 3 1 3 89	Vapor Type	Nicotine free	3.87917607	0.55891962	3.91E-12	1.18E-10
Metabolism Enzyme families	ko01000	Enzymes		cystathione beta lyase EC 4 4 1 8	Vapor Type	Nicotine free	2.63896217	0.38100294	4.32E-12	1.30E-10
Metabolism Enzyme families	ko01000	Enzymes		teichoic acid transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine free	6.98465786	1.00919649	4.48E-12	1.35E-10
Metabolism Enzyme families	ko01000	Enzymes		cell division protease FtsH EC 3 4 2 4	Vapor Type	Nicotine free	3.67361326	0.53111007	4.62E-12	1.39E-10
Metabolism Enzyme families	ko01000	Enzymes		DNA gyrase subunit A EC 5 9 9 13	Vapor Type	Nicotine free	3.54192667	0.51235028	4.74E-12	1.42E-10
Metabolism Enzyme families	ko01000	Enzymes		ribosomal protein S12 methylthiotransferase EC 2 8 4 4	Vapor Type	Nicotine plus	3.3458519	0.48604509	5.83E-12	1.73E-10
Metabolism Enzyme families	ko01000	Enzymes		alanine synthesizing transaminase EC 2 6 1 66 2 6 1 2	Vapor Type	Nicotine free	3.43124125	0.50069959	7.24E-12	2.14E-10
Metabolism Enzyme families	ko01000	Enzymes		anarobillin synthase EC 2 1 1 342	Vapor Type	Nicotine plus	3.08956437	0.45174672	7.97E-12	2.34E-10
Metabolism Enzyme families	ko01000	Enzymes		cof I alanine adenosyltransferase EC 2 5 1 17	Vapor Type	Nicotine plus	2.88974158	0.42402389	9.42E-12	2.75E-10
Metabolism Enzyme families	ko01000	Enzymes		mcythionine reductase EC 1 8 1 15	Biofilm type	Pathogen-rich	2.6029012	0.38295893	1.07E-11	3.11E-10
Metabolism Enzyme families	ko01000	Enzymes		putative uridylyltransferase EC 2 7 7	Vapor Type	Nicotine free	6.04961834	0.8904048	1.09E-11	3.16E-10
Metabolism Enzyme families	ko01000	Enzymes		detranscrase EC 2 4 1 5	Vapor Type	Nicotine plus	3.1661633	0.4661277	1.10E-11	3.20E-10
Metabolism Enzyme families	ko01000	Enzymes		3D 3 5 4 trihydrocyclohexane 12 dione acylhydrolase de	Biofilm type	Pathogen-rich	2.5935246	0.38226079	1.16E-11	3.36E-10
Metabolism Enzyme families	ko01000	Enzymes		LAO AD transport system inase EC 2 7	Vapor Type	Nicotine plus	4.02070551	0.59319954	1.22E-11	3.51E-10
Metabolism Enzyme families	ko01000	Enzymes		sortase A EC 3 4 22 70	Vapor Type	Nicotine free	3.75764643	0.55469269	1.25E-11	3.59E-10
Metabolism Enzyme families	ko01000	Enzymes		N acetylneuraminate lyase EC 4 1 3 3	Vapor Type	Nicotine plus	2.66504683	0.39400468	1.34E-11	3.85E-10
Metabolism Enzyme families	ko01000	Enzymes		amidohydrolase EC 3 5 1	Vapor Type	Nicotine free	2.97603293	0.44018586	1.37E-11	3.93E-10
Metabolism Enzyme families	ko01000	Enzymes		lysoi tRNA synthetase class II EC 6 1 1 6	Vapor Type	Nicotine free	3.05530408	0.4533955	1.60E-11	4.56E-10
Metabolism Enzyme families	ko01000	Enzymes		tRNA Ile tyrosine synthase EC 6 3 4 19	Vapor Type	Nicotine free	3.35971163	0.49952624	1.75E-11	4.98E-10
Metabolism Enzyme families	ko01000	Enzymes		3 5 nucleoside bisphosphate phosphatase EC 3 1 3 97	Vapor Type	Nicotine plus	3.55707939	0.52952129	2.01E-11	5.34E-10
Metabolism Enzyme families	ko01000	Enzymes	core	endoglycosylceramidase EC 3 2 1 123	Biofilm type	Intermediate	3.4448055	0.52866876	2.01E-11	5.70E-10
Metabolism Enzyme families	ko01000	Enzymes		lipopolysaccharide export system ATP binding protein EC 3 6 3	Vapor Type	Nicotine plus	3.11168483	0.49434385	2.10E-11	5.93E-10
Metabolism Enzyme families	ko01000	Enzymes		carboxylesterase EC 3 1 1 1	Vapor Type	Nicotine free	6.98480268	1.04434827	2.26E-11	6.38E-10
Metabolism Enzyme families	ko01000	Enzymes		mRNA intereferase MazF EC 3 1	Vapor Type	Nicotine free	4.81859816	0.72093039	2.32E-11	6.55E-10
Metabolism Enzyme families	ko01000	Enzymes		UDP N acetylmuramoyl tripeptide D alanyl D alanine ligase	Vapor Type	Nicotine free	3.39202425	0.50788709	2.41E-11	6.78E-10
Metabolism Enzyme families	ko01000	Enzymes		pyruvate inase EC 2 7 1 40	Vapor Type	Nicotine free	3.32534784	0.49831804	2.50E-11	7.03E-10
Metabolism Enzyme families	ko01000	Enzymes		5 carboxymino imidazole ribonucleotide synthase EC 6 3 4	Vapor Type	Nicotine plus	2.76305943	0.4144417	2.61E-11	7.31E-10
Metabolism Enzyme families	ko01000	Enzymes		cyclopropane fatty acyl phospholipid synthase EC 2 1 1 79	Vapor Type	Nicotine plus	2.80580297	0.42131259	2.74E-11	7.67E-10
Metabolism Enzyme families	ko01000	Enzymes		ADP dependent NAD P H hydrate dehydratase EC 4 2 1 136	Vapor Type	Nicotine plus	3.24395634	0.48763792	2.88E-11	8.04E-10
Metabolism Enzyme families	ko01000	Enzymes		phosphatidylglycerol prolipoprotein diacylglycerol transferase	Vapor Type	Nicotine plus	2.57438007	0.3875702	3.09E-11	8.58E-10
Metabolism Enzyme families	ko01000	Enzymes		O succinylbenzoic acid CoA ligase EC 2 6 1 26	Vapor Type	Nicotine plus	2.93702892	0.44218303	3.09E-11	8.59E-10
Metabolism Enzyme families	ko01000	Enzymes		histidyl tRNA synthetase EC 6 1 1 21	Vapor Type	Nicotine free	2.39824206	0.36129527	3.18E-11	8.83E-10
Metabolism Enzyme families	ko01000	Enzymes		hydroxylamine reductase EC 1 7 9 9 1	Vapor Type	Nicotine free	4.9626092	0.74913027	3.48E-11	9.64E-10
Metabolism Enzyme families	ko01000	Enzymes		beta glucuronidase EC 3 2 1 31	Vapor Type	Nicotine free	2.71149756	0.40949505	3.55E-11	9.82E-10
Metabolism Enzyme families	ko01000	Enzymes		NAD synthase glutamine hydrolysing EC 6 3 5 1	Biofilm type	Intermediate	3.609627	0.5451407	3.56E-11	9.92E-10
Metabolism Enzyme families	ko01000	Enzymes		D alanyl D alanine carboxypeptidase EC 3 4 16 4	Vapor Type	Nicotine free	4.1586161	0.62982422	4.03E-11	1.11E-09
Metabolism Enzyme families	ko01000	Enzymes		Fe coproporphyrin III decarboxylase EC 1 11 1	Vapor Type	Nicotine plus	3.91082669	0.59239824	4.07E-11	1.12E-09
Metabolism Enzyme families	ko01000	Enzymes		5 amino 6 5 phospho D ribitylamino uracil phosphatase EC	Vapor Type	Nicotine free	3.42979085	0.52006611	4.26E-11	1.17E-09
Metabolism Enzyme families	ko01000	Enzymes		GMP reductase EC 1 7 7	Vapor Type	Nicotine free	3.34721665	0.47782289	4.50E-11	1.23E-09
Metabolism Enzyme families	ko01000	Enzymes		2 isopropylmalate synthase EC 3 3 3 13	Vapor Type	Pathogen-rich	3.2407453	0.50366935	4.55E-11	1.25E-09
Metabolism Enzyme families	ko01000	Enzymes		cysteine desulfurase selenocysteine lyase EC 2 8 1 7 4 4 1	Vapor Type	Nicotine plus	2.61586291	0.39894611	5.49E-11	1.49E-09
Metabolism Enzyme families	ko01000	Enzymes		DNA helicase II ATP dependent DNA helicase PcrA EC 3 6 4	Vapor Type	Nicotine free	3.27390915	0.50022303	5.95E-11	1.61E-09
Metabolism Enzyme families	ko01000	Enzymes		N 2 amino 2 carboxyethyl L glutamate synthase EC 2 5 1 1	Biofilm type	Intermediate	5.2617119	0.80444673	6.12E-11	1.65E-09
Metabolism Enzyme families	ko01000	Enzymes		transcription repair coupling factor superfamily II helicase	Vapor Type	Nicotine free	3.1815835	0.48701903	6.45E-11	1.73E-09
Metabolism Enzyme families	ko01000	Enzymes		molybdenum cofactor guanylyltransferase EC 2 7 7 7	Vapor Type	Nicotine free	5.34660963	0.81987172	6.97E-11	1.87E-09
Metabolism Enzyme families	ko01000	Enzymes		ATP dependent DNA helicase DinG EC 3 6 4 12	Vapor Type	Nicotine free	3.25536041	0.49945826	7.14E-11	1.91E-09
Metabolism Enzyme families	ko01000	Enzymes		tryptophanase EC 4 1 9 9 1	Biofilm type	Pathogen-rich	2.619017	0.40311797	8.20E-11	2.18E-09
Metabolism Enzyme families	ko01000	Enzymes		beta ureidopropionase N carbamoyl L amino acid hydrolase	Vapor Type	Nicotine plus	3.43939745	0.53044998	8.94E-11	2.37E-09
Metabolism Enzyme families	ko01000	Enzymes		4 oxalocrotonate tautomerase EC 5 3 2 6	Vapor Type	Nicotine plus	2.60685224	0.40232495	9.20E-11	2.44E-09
Metabolism Enzyme families	ko01000	Enzymes		D isodehydroepiandrosterone 7 phosphate isomerase EC 5 3 1 28	Vapor Type	Nicotine plus	2.98864556	0.46162795	9.53E-11	2.52E-09
Metabolism Enzyme families	ko01000	Enzymes		tryptophanase EC 4 1 9 9 1	Biofilm type	Intermediate	2.6680489	0.41244703	9.88E-11	2.61E-09
Metabolism Enzyme families	ko01000	Enzymes		poly glycerol phosphate alpha glucosyltransferase EC 2 4 1	Vapor Type	Nicotine plus	2.106488	0.31085629	9.92E-11	2.62E-09
Metabolism Enzyme families	ko01000	Enzymes		diaminopropionate ammonia lyase EC 4 3 1 15	Vapor Type	Nicotine plus	3.309763	0.51202378	1.02E-10	2.69E-09
Metabolism Enzyme families	ko01000	Enzymes		aspartate 1 decarboxylase EC 4 1 1 11	Vapor Type	Nicotine plus	3.17847575	0.49208571	1.05E-10	2.77E-09
Metabolism Enzyme families	ko01000	Enzymes		simple sugar transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine free	2.80392863	0.43475263	1.12E-10	2.95E-09
Metabolism Enzyme families	ko01000	Enzymes		methylthioribose 1 phosphate isomerase EC 5 3 1 23	Vapor Type	Nicotine plus	3.85890184	0.59927871	1.20E-10	3.15E-09
Metabolism Enzyme families	ko01000	Enzymes		meso butanediol dehydrogenase EC 1 5 5 3	Vapor Type	Nicotine plus	4.05707353	0.63087313	1.27E-10	3.31E-09
Metabolism Enzyme families	ko01000	Enzymes		alanine adding enzyme EC 2 3 2	Vapor Type	Nicotine free	4.12937081	0.64255296	1.31E-10	3.41E-09
Metabolism Enzyme families	ko01000	Enzymes		23S rRNA cytidine1920 2 O 16S rRNA cytidine1409 2 O r	Vapor Type	Nicotine free	3.25269151	0.50888333	1.64E-10	4.24E-09
Metabolism Enzyme families	ko01000	Enzymes		micrococcal nuclease EC 3 1 31 1	Vapor Type	Pathogen-rich	5.11642494	0.80148935	1.65E-10	4.28E-09
Metabolism Enzyme families	ko01000	Enzymes		pyruvate formate lyase activating enzyme EC 1 97 1 4	Vapor Type	Nicotine plus	2.53287995	0.39699756	1.77E-10	4.55E-09
Metabolism Enzyme families	ko01000	Enzymes		riboflavin inase FMN adenylyltransferase EC 2 7 1 26 2 7	Vapor Type	Nicotine plus	2.53482241	0.39781427	1.87E-10	4.79E-09
Metabolism Enzyme families	ko01000	Enzymes		DNA polymerase II subunit gamma tau EC 2 7 7 7	Vapor Type	Nicotine plus	2.9235			

Metabolism Enzyme families	ko01000	Enzymes		DNA 3 methyladenine glycosylase I EC 3 2 2 20	Vapor Type	Nicotine free	3.17059508	0.5151255	7.51E-10	1.83E-08
Metabolism Enzyme families	ko01000	Enzymes		diadenylate cyclase EC 2 7 7 85	Biofilm type	Pathogen-rich	-2.5527851	0.41597868	8.42E-10	2.04E-08
Metabolism Enzyme families	ko01000	Enzymes		oleate hydratase EC 4 2 1 53	Vapor Type	Nicotine plus	3.45199332	0.56436868	9.56E-10	2.31E-08
Metabolism Enzyme families	ko01000	Enzymes		polydopeterin synthase catalytic subunit EC 2 8 1 12	Vapor Type	Nicotine free	5.27809048	0.86438646	1.02E-09	2.46E-08
Metabolism Enzyme families	ko01000	Enzymes		topoisomerase IV subunit B EC 5 9 9 1	Vapor Type	Nicotine plus	2.19834605	0.36007975	1.03E-09	2.47E-08
Metabolism Enzyme families	ko01000	Enzymes		tRNA uridine 2 sulfuryltransferase EC 2 8 1 13	Vapor Type	Nicotine plus	2.63623015	0.43181763	1.03E-09	2.47E-08
Metabolism Enzyme families	ko01000	Enzymes		N1 acetylpolymine oxidase EC 1 5 3 13	Vapor Type	Nicotine free	4.29109096	0.7034784	1.06E-09	2.55E-08
Metabolism Enzyme families	ko01000	Enzymes		forminonitrotetrahydrofolate cyclodiaminase EC 4 3 1 4	Vapor Type	Nicotine plus	2.18786178	0.35871337	1.07E-09	2.56E-08
Metabolism Enzyme families	ko01000	Enzymes		NAD synthase EC 3 1 5	Vapor Type	Nicotine free	3.23598875	0.53157931	1.35E-09	2.83E-08
Metabolism Enzyme families	ko01000	Enzymes		diadenylate cyclase EC 2 7 7 85	Vapor Type	Nicotine free	2.77541887	0.45626366	1.23E-09	2.94E-08
Metabolism Enzyme families	ko01000	Enzymes		phosphoribosyl ATP pyrophosphohydrolase phosphoribosyl	Vapor Type	Nicotine free	5.2901357	0.87267865	1.34E-09	3.20E-08
Metabolism Enzyme families	ko01000	Enzymes		DNA polymerase IV EC 2 7 7 7	Vapor Type	Nicotine free	2.48469135	0.4098402	1.35E-09	3.22E-08
Metabolism Enzyme families	ko01000	Enzymes		putative endopeptidase EC 3 4 2 4	Vapor Type	Nicotine free	3.64829732	0.60218969	1.37E-09	3.27E-08
Metabolism Enzyme families	ko01000	Enzymes		betaine aldehyde dehydrogenase EC 1 2 1 8	Vapor Type	Nicotine plus	3.01770605	0.49901889	1.47E-09	3.50E-08
Metabolism Enzyme families	ko01000	Enzymes		protein L isopartate D aspartate O methyltransferase EC	Vapor Type	Nicotine plus	3.47879652	0.57605843	1.55E-09	3.68E-08
Metabolism Enzyme families	ko01000	Enzymes		protein deglycase EC 3 5 1 124	Vapor Type	Nicotine plus	2.43140077	0.40312644	1.63E-09	3.84E-08
Metabolism Enzyme families	ko01000	Enzymes		sulfite reductase NADPH flavoprotein alpha component EC	Vapor Type	Nicotine plus	2.52028153	0.41795817	1.64E-09	3.87E-08
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol 3 phosphate dehydrogenase subunit C EC 1 1 5 3	Biofilm type	Pathogen-rich	-2.5657998	0.42581757	1.68E-09	3.97E-08
Metabolism Enzyme families	ko01000	Enzymes		repressor LexA EC 3 4 2 18	Vapor Type	Nicotine plus	3.58585722	0.59649715	1.84E-09	4.33E-08
Metabolism Enzyme families	ko01000	Enzymes		hyaluronate lyase EC 4 2 2 1	Biofilm type	Intermediate	-3.9931789	0.66483382	1.90E-09	4.46E-08
Metabolism Enzyme families	ko01000	Enzymes		dipeptidase E EC 3 4 13 21	Vapor Type	Nicotine plus	2.09774798	0.34984996	2.02E-09	4.74E-08
Metabolism Enzyme families	ko01000	Enzymes		PTS system galactose specific IIA component EC 2 7 1 204	Vapor Type	Nicotine free	3.35226573	0.55962137	2.10E-09	4.91E-08
Metabolism Enzyme families	ko01000	Enzymes		tRNA guanine N7 methyltransferase EC 2 1 1 33	RNA type	Nicotine free	3.13280472	0.52334099	2.15E-09	5.03E-08
Metabolism Enzyme families	ko01000	Enzymes		dipeptidase D EC 3 4 1 3	Vapor Type	Nicotine plus	2.88610393	0.48254192	2.22E-09	5.18E-08
Metabolism Enzyme families	ko01000	Enzymes		nondiscriminating glutamyl tRNA synthetase EC 6 1 1 24	Vapor Type	Nicotine plus	3.1362159	0.52549819	2.40E-09	5.60E-08
Metabolism Enzyme families	ko01000	Enzymes		peptide methionine S S oxide reductase EC 1 8 4 11	Vapor Type	Nicotine plus	2.16137754	0.36246043	2.48E-09	5.75E-08
Metabolism Enzyme families	ko01000	Enzymes		electron transfer flavoprotein quinone oxidoreductase EC 1	Vapor Type	Nicotine plus	2.45675604	0.41206819	2.49E-09	5.78E-08
Metabolism Enzyme families	ko01000	Enzymes		type III pantothenate inase EC 2 7 1 33	Vapor Type	Nicotine plus	2.93720845	0.49274056	2.51E-09	5.81E-08
Metabolism Enzyme families	ko01000	Enzymes	core	4 alpha glucanotransferase EC 2 4 1 25	Vapor Type	Nicotine plus	2.63205712	0.44175903	2.53E-09	5.91E-08
Metabolism Enzyme families	ko01000	Enzymes	core	ATP dependent helicase HrpA EC 3 6 4 13	Vapor Type	Nicotine free	1.86014172	0.51463366	2.56E-09	6.01E-08
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol dehydrogenase EC 1 1 1 6	Biofilm type	Pathogen-rich	-0.2871123	0.04825985	2.69E-09	6.21E-08
Metabolism Enzyme families	ko01000	Enzymes		3 deoxy D mannose octulosonate 8 phosphate phosphatase D	Vapor Type	Nicotine plus	3.10612633	0.52293698	2.85E-09	6.58E-08
Metabolism Enzyme families	ko01000	Enzymes		NAD dependent deacetylase EC 3 5 1	Vapor Type	Nicotine free	2.89249774	0.48890117	3.29E-09	7.55E-08
Metabolism Enzyme families	ko01000	Enzymes		5 methyltetrahydrofolate homocysteine methyltransferase	Vapor Type	Nicotine free	2.77120441	0.46848441	3.31E-09	7.59E-08
Metabolism Enzyme families	ko01000	Enzymes		2 dehydro 3 deoxyphosphonate aldolase DO 8 p synthase	Vapor Type	Nicotine plus	3.10302505	0.52608913	3.67E-09	8.38E-08
Metabolism Enzyme families	ko01000	Enzymes		maltose 6 phosphate phosphatase EC 3 1 3 90	Vapor Type	Nicotine plus	2.85950034	0.48524305	3.79E-09	8.63E-08
Metabolism Enzyme families	ko01000	Enzymes		peptide deformylase EC 3 5 1 88	Vapor Type	Nicotine free	3.22788968	0.54832649	3.94E-09	8.95E-08
Metabolism Enzyme families	ko01000	Enzymes		tRNA adenine57 N1 adenine58 N1 methyltransferase cata	Biofilm type	Pathogen-rich	-2.3134897	0.39352041	4.13E-09	9.36E-08
Metabolism Enzyme families	ko01000	Enzymes		oxaloacetate decarboxylase alpha subunit EC 4 1 1 3	Vapor Type	Nicotine plus	4.29120187	0.7319007	4.54E-09	1.03E-07
Metabolism Enzyme families	ko01000	Enzymes		uncharacterized zinc type alcohol dehydrogenase lie protein	Biofilm type	Pathogen-rich	-2.038806	0.34784498	4.59E-09	1.04E-07
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit G EC 1 6 5 3	Vapor Type	Nicotine plus	2.84989821	0.48637786	4.64E-09	1.05E-07
Metabolism Enzyme families	ko01000	Enzymes		hydrogenase maturation protease EC 3 4 2 3	Vapor Type	Nicotine plus	2.78352607	0.4750788	4.65E-09	1.05E-07
Metabolism Enzyme families	ko01000	Enzymes		molybdenum cofactor cytidyllyltransferase EC 2 7 7 76	Vapor Type	Nicotine plus	3.20118401	0.54679498	4.79E-09	1.08E-07
Metabolism Enzyme families	ko01000	Enzymes		L lactate dehydrogenase EC 1 1 1 127	Vapor Type	Nicotine free	2.89816998	0.49585174	5.07E-09	1.14E-07
Metabolism Enzyme families	ko01000	Enzymes	core	aminopeptidase EC 3 4 1 11	Vapor Type	Nicotine plus	2.80379616	0.48098161	5.57E-09	1.25E-07
Metabolism Enzyme families	ko01000	Enzymes	core	CDP glycerol glycerophosphotransferase EC 2 7 8 12	Vapor Type	Nicotine plus	2.30568367	0.39610627	5.85E-09	1.31E-07
Metabolism Enzyme families	ko01000	Enzymes	core	L ribulonase EC 2 7 1 16	Vapor Type	Nicotine plus	2.58363677	0.44987816	5.91E-09	1.32E-07
Metabolism Enzyme families	ko01000	Enzymes		X Pro dipeptidyl peptidase EC 3 4 14 11	Vapor Type	Nicotine free	3.88108451	0.66784178	6.20E-09	1.38E-07
Metabolism Enzyme families	ko01000	Enzymes		glutacetyl CoA decarboxylase EC 4 1 1 70	Vapor Type	Nicotine plus	3.68317672	0.63435107	6.39E-09	1.42E-07
Metabolism Enzyme families	ko01000	Enzymes		phosphogluconate hydroxylase EC 1 1 3 6	Vapor Type	Nicotine free	2.60118236	0.49388656	6.40E-09	1.47E-07
Metabolism Enzyme families	ko01000	Enzymes		PTS system lactose specific IIA component EC 2 7 1 207	Vapor Type	Nicotine plus	4.12271856	0.71156479	6.91E-09	1.53E-07
Metabolism Enzyme families	ko01000	Enzymes		two component system NtrL family sensor histidine inase	Vapor Type	Nicotine plus	2.96746112	0.51225936	6.92E-09	1.54E-07
Metabolism Enzyme families	ko01000	Enzymes		galactose 6 phosphate isomerase EC 5 3 1 26	Vapor Type	Nicotine free	4.17470162	0.72078926	6.96E-09	1.55E-07
Metabolism Enzyme families	ko01000	Enzymes		acetaldehyde dehydrogenase alcohol dehydrogenase EC 1	Vapor Type	Nicotine plus	3.03253788	0.52465105	7.47E-09	1.66E-07
Metabolism Enzyme families	ko01000	Enzymes		2 oxoglutarate dehydrogenase E2 component dihydrolipoan	Vapor Type	Nicotine plus	1.94512598	0.33673539	7.63E-09	1.69E-07
Metabolism Enzyme families	ko01000	Enzymes		putative glycerol 1 phosphate prenyltransferase EC 2 5 1	Vapor Type	Nicotine free	6.00974486	1.04040652	7.63E-09	1.69E-07
Metabolism Enzyme families	ko01000	Enzymes		two component system OmpK family sensor histidine inas	Vapor Type	Nicotine free	3.63839972	0.63060097	7.94E-09	1.76E-07
Metabolism Enzyme families	ko01000	Enzymes		alyl hydroperoxide reductase subunit F EC 1 6 4	Vapor Type	Nicotine plus	3.19811171	0.55632241	9.00E-09	1.98E-07
Metabolism Enzyme families	ko01000	Enzymes		hydrogenase large subunit EC 1 12 99 6	Vapor Type	Nicotine plus	3.14634422	0.54787561	9.31E-09	2.05E-07
Metabolism Enzyme families	ko01000	Enzymes		phosphomannomutase EC 5 4 2 8	Biofilm type	Pathogen-rich	-2.16055231	0.37628836	9.37E-09	2.06E-07
Metabolism Enzyme families	ko01000	Enzymes		maltose O acetyltransferase EC 3 2 1 79	Vapor Type	Nicotine free	2.64855231	0.46266583	1.04E-08	2.27E-07
Metabolism Enzyme families	ko01000	Enzymes		undecaprenol inase EC 2 7 1 66	Vapor Type	Nicotine free	3.35066409	0.58533219	1.04E-08	2.27E-07
Metabolism Enzyme families	ko01000	Enzymes		aspartyl aminopeptidase EC 3 4 11 21	Vapor Type	Nicotine plus	3.69334734	0.64759018	1.18E-08	2.55E-07
Metabolism Enzyme families	ko01000	Enzymes		serine threonine protein phosphatase 1 EC 3 1 3 16	Vapor Type	Nicotine free	2.89401102	0.50761591	1.19E-08	2.58E-07
Metabolism Enzyme families	ko01000	Enzymes		L tartrate dehydratase beta subunit EC 4 2 1 32	Vapor Type	Nicotine plus	3.17504121	0.55758229	1.24E-08	2.68E-07
Metabolism Enzyme families	ko01000	Enzymes		bifunctional oligoribonuclease and PAP phosphatase NrnA E	Vapor Type	Nicotine plus	2.72846778	0.4792793	1.25E-08	2.70E-07
Metabolism Enzyme families	ko01000	Enzymes		epoxyqueuosine reductase EC 1 17 99 6	Vapor Type	Nicotine free	3.10931437	0.54634308	1.26E-08	2.73E-07
Metabolism Enzyme families	ko01000	Enzymes		Xaa Pro aminopeptidase EC 3 4 11 9	Vapor Type	Nicotine plus	2.6151063	0.45899074	1.27E-08	2.74E-07
Metabolism Enzyme families	ko01000	Enzymes		3D 3 5 4 trilydroxycyclohexane 1 2 dione acylhydrolase de	Biofilm type	Intermediate	-3.7100819	0.65231589	1.38E-08	2.76E-07
Metabolism Enzyme families	ko01000	Enzymes		thiol peroxidase atypical 3 5 1 28 2 1 96	Vapor Type	Nicotine free	3.63284935	0.65153659	2.60E-08	5.42E-07
Metabolism Enzyme families	ko01000	Enzymes		ribonuclease Z EC 3 1 26 11	Vapor Type	Nicotine free	2.76354777	0.48737396	1.43E-08	3.07E-07
Metabolism Enzyme families	ko01000	Enzymes		two component system LytR family sensor histidine inase	Vapor Type	Nicotine free	3.1139206	0.67249619	1.44E-08	3.10E-07
Metabolism Enzyme families	ko01000	Enzymes		D ribose pyranase EC 5 4 9 9 62	Vapor Type	Nicotine plus	3.14384454	0.55516817	1.49E-08	3.20E-07
Metabolism Enzyme families	ko01000	Enzymes		arylsulfatase deacetylase lie 3 4 EC 3 1 1	Vapor Type	Nicotine plus	1.38706753	0.24495753	1.49E-08	3.20E-07
Metabolism Enzyme families	ko01000	Enzymes		replicative DNA helicase EC 3 6 4 12	Vapor Type	Nicotine free	3.31284161	0.5850561	1.49E-08	3.20E-07
Metabolism Enzyme families	ko01000	Enzymes		4 DOPA dihydroxyase extradiol EC 1 13 11	Vapor Type	Nicotine plus	3.07097588	0.54253671	1.51E-08	3.24E-07
Metabolism Enzyme families	ko01000	Enzymes		uncharacterized zinc type alcohol dehydrogenase lie protein	Biofilm type	Intermediate	-2.847812	0.50402006	1.60E-08	3.43E-07
Metabolism Enzyme families	ko01000	Enzymes		5 deoxy nucleotide EC 3 1 3 89	Vapor Type	Nicotine plus	3.16595676	0.56225874	1.79E-08	3.82E-07
Metabolism Enzyme families	ko01000	Enzymes		menaquinone 9 beta reductase EC 1 3 99 38	Biofilm type	Pathogen-rich	-2.5984262	0.46204575	1.87E-08	3.97E-07
Metabolism Enzyme families	ko01000	Enzymes		cardiolipin synthase A B EC 2 7 8	Vapor Type	Nicotine free	3.15093024	0.56056223	1.90E-08	4.03E-07
Metabolism Enzyme families	ko01000	Enzymes		TatD DNase family protein EC 3 1 21	Vapor Type	Nicotine plus	1.95117743	0.3472917	1.93E-08	4.09E-07
Metabolism Enzyme families	ko01000	Enzymes		holliday junction DNA helicase RuvB EC 3 6 4 12	Vapor Type	Nicotine free	3.25037092	0.57956639	2.04E-08	4.32E-07
Metabolism Enzyme families	ko01000	Enzymes		pantetheine phosphate adenylyltransferase EC 2 7 7 3	Vapor Type	Nicotine plus	2.39670346	0.42753663	2.07E-08	4.37E-07
Metabolism Enzyme families	ko01000	Enzymes		cephalosporin C deacetylase EC 3 1 141	Vapor Type	Nicotine plus	2.67637034	0.47846252	2.22E-08	4.67E-07
Metabolism Enzyme families	ko01000	Enzymes		adenosylsuccinate lyase EC 4 3 2 2	Vapor Type	Nicotine free	3.17795273	0.56887989	2.32E-08	4.86E-07
Metabolism Enzyme families	ko01000	Enzymes		mycothiolase EC 1 8 1 15	Biofilm type	Intermediate	-3.8064369	0.68193195	2.38E-08	4.99E-07
Metabolism Enzyme families	ko01000	Enzymes		phosphomannomutase EC 5 4 2 8	Biofilm type	Intermediate	-2.7386686	0.49084962	2.41E-08	5.05E-07
Metabolism Enzyme families	ko01000	Enzymes		L glyceroldehyde 3 phosphate reductase EC 1 1 1	Vapor Type	Nicotine free	2.66061157	0.47724751	2.48E-08	5.18E-07
Metabolism Enzyme families	ko01000	Enzymes		glyoxylate reductase EC 1 1 1 26	Biofilm type	Intermediate	-0.4138602	0.07432793	2.56E-08	5.34E-07
Metabolism Enzyme families	ko01000	Enzymes		thiol peroxidase atypical 3 5 1 28 2 1 96	Vapor Type	Nicotine free	3.63284935	0.65153659	2.60E-08	5.42E-07
Metabolism Enzyme families	ko01000	Enzymes		alpha amylase EC 3 2 1 1	Vapor Type	Nicotine free	2.84897962	0.51216066	2.66E-08	5.54E-07
Metabolism Enzyme families	ko01000	Enzymes		imidazolonepropionase EC 3 5 2 7	Biofilm type	Pathogen-rich	-0.5428411	0.09769228	2.75E-08	5.72E-07
Metabolism Enzyme families	ko01000	Enzymes		choline dehydrogenase EC 1 1 99 1	Vapor Type	Nicotine plus	3.11382303	0.56113453	2.87E-08	5.97E-07
Metabolism Enzyme families	ko01000	Enzymes		crossover junction endonuclease RuvC EC 3 1 22 4						

Metabolism Enzyme families	ko01000	Enzymes	ribonuclease III family protein EC 3 1 26	Biofilm type	Intermediate	-0.3720181	0.068216	4.94E-08	1.00E-06
Metabolism Enzyme families	ko01000	Enzymes	Cdz Zn2 exporting ATPase EC 3 6 3 3 6 3 5	Vapor Type	Nicotine plus	3.32855235	0.61149698	5.23E-08	1.06E-06
Metabolism Enzyme families	ko01000	Enzymes	imidazolepropionase EC 3 5 2 7	Biofilm type	Intermediate	-0.5289123	0.09726432	5.39E-08	1.09E-06
Metabolism Enzyme families	ko01000	Enzymes	putative holiday junction resolvase EC 3 1	Vapor Type	Nicotine plus	2.95845154	0.54466322	5.52E-08	1.11E-06
Metabolism Enzyme families	ko01000	Enzymes	acetoin 2 6 dichlorophenolindolphenol oxidoreductase subun	Vapor Type	Nicotine plus	2.48940132	0.45859059	5.66E-08	1.14E-06
Metabolism Enzyme families	ko01000	Enzymes	heat shock protein HtpX EC 3 4 2 4	Vapor Type	Nicotine free	3.32756154	0.61390093	5.95E-08	1.20E-06
Metabolism Enzyme families	ko01000	Enzymes	1 pyrroline 5 carboxylate dehydrogenase EC 1 2 1 88	Vapor Type	Nicotine free	4.00605056	0.73952583	6.06E-08	1.22E-06
Metabolism Enzyme families	ko01000	Enzymes	phosphoribosyl ATP pyrophosphohydrolase EC 3 6 1 31	Vapor Type	Nicotine plus	2.28121763	0.42118177	6.09E-08	1.22E-06
Metabolism Enzyme families	ko01000	Enzymes	diadenylate cyclase EC 2 7 7 85	Biofilm type	Intermediate	-3.4563443	0.63931389	6.44E-08	1.29E-06
Metabolism Enzyme families	ko01000	Enzymes	glucosyl 3 phosphate dehydrogenase EC 1 1 5 3	Vapor Type	Nicotine plus	1.62779062	0.30163322	6.79E-08	1.36E-06
Metabolism Enzyme families	ko01000	Enzymes	L asparaginase EC 3 5 1 1	Vapor Type	Nicotine plus	2.04867086	0.38000069	7.00E-08	1.40E-06
Metabolism Enzyme families	ko01000	Enzymes	N1 acetylpolymine oxidase EC 1 5 3 13	Vapor Type	Nicotine plus	3.79106725	0.7027413	7.16E-08	1.43E-06
Metabolism Enzyme families	ko01000	Enzymes	CDP ribitol ribitolphosphotransferase teichoic acid ribitol p	Vapor Type	Nicotine free	7.46732231	1.38944001	7.69E-08	1.53E-06
Metabolism Enzyme families	ko01000	Enzymes	uncharacterized zinc type alcohol dehydrogenase lie protein	Vapor Type	Nicotine free	3.44576784	0.64231342	8.11E-08	1.61E-06
Metabolism Enzyme families	ko01000	Enzymes	D alanine D alanine carboxypeptidase EC 3 4 16 4	Vapor Type	Nicotine plus	3.37803055	0.63031232	8.35E-08	1.66E-06
Metabolism Enzyme families	ko01000	Enzymes	2 oxoisovalerate dehydrogenase E2 component dihydrolipo	Vapor Type	Nicotine plus	3.05994518	0.57251225	9.05E-08	1.79E-06
Metabolism Enzyme families	ko01000	Enzymes	catechol 2 3 dioxygenase EC 1 13 11 2	Vapor Type	Nicotine plus	2.07306846	0.38805145	9.18E-08	1.81E-06
Metabolism Enzyme families	ko01000	Enzymes	monofunctional glycosyltransferase EC 2 4 1 129	Vapor Type	Nicotine free	5.98555661	1.12048781	9.20E-08	1.82E-06
Metabolism Enzyme families	ko01000	Enzymes	tRNA adenine57 N1 adenine58 N1 methyltransferase cata	Biofilm type	Intermediate	-3.2336311	0.60615642	9.57E-08	1.89E-06
Metabolism Enzyme families	ko01000	Enzymes	23S rRNA uracil1939 C5 methyltransferase EC 2 1 1 190	Vapor Type	Nicotine plus	2.13641811	0.40086185	9.84E-08	1.94E-06
Metabolism Enzyme families	ko01000	Enzymes	glutamate 5 semialdehyde dehydrogenase EC 1 2 1 41	Vapor Type	Nicotine plus	2.59811886	0.48876889	1.06E-07	2.09E-06
Metabolism Enzyme families	ko01000	Enzymes	ornithine oxo acid transaminase EC 2 6 1 13	Vapor Type	Nicotine plus	3.92589331	0.73950911	1.10E-07	2.16E-06
Metabolism Enzyme families	ko01000	Enzymes	phosphomannomutase EC 5 4 2 8	Vapor Type	Nicotine free	1.66946311	0.31461691	1.12E-07	2.19E-06
Metabolism Enzyme families	ko01000	Enzymes	deferoxchelate peroxidase EfeB EC 1 1 1 1	Vapor Type	Nicotine free	3.13591366	0.59129398	1.14E-07	2.22E-06
Metabolism Enzyme families	ko01000	Enzymes	2 iminobutanate 2 iminopropanoate deaminase EC 3 5 9 9	Vapor Type	Nicotine plus	1.97695676	0.37285067	1.14E-07	2.23E-06
Metabolism Enzyme families	ko01000	Enzymes	uridylylase EC 2 7 4 22	Vapor Type	Nicotine plus	2.45060814	0.46226672	1.15E-07	2.24E-06
Metabolism Enzyme families	ko01000	Enzymes	5 carboxyamino imidazole ribonucleotide mutase EC 5 4 9 9	Vapor Type	Nicotine plus	1.81686761	0.34352597	1.23E-07	2.39E-06
Metabolism Enzyme families	ko01000	Enzymes	glucan 1 6 alpha glucosidase EC 3 2 1 70	Vapor Type	Nicotine plus	-0.2609823	0.04935812	1.24E-07	2.40E-06
Metabolism Enzyme families	ko01000	Enzymes	putative trypsin-like esterase EC 3 1 1	Vapor Type	Nicotine free	3.40331072	0.64931473	1.31E-07	2.52E-06
Metabolism Enzyme families	ko01000	Enzymes	1 acyl sn glycerol 3 phosphate acyltransferase EC 2 3 1 51	Vapor Type	Nicotine plus	2.37050593	0.44949638	1.34E-07	2.58E-06
Metabolism Enzyme families	ko01000	Enzymes	glycerol 3 phosphate dehydrogenase NAD P EC 1 1 1 94	Vapor Type	Nicotine free	3.0207197	0.57316604	1.36E-07	2.62E-06
Metabolism Enzyme families	ko01000	Enzymes	glycerol 3 phosphate dehydrogenase subunit C EC 1 1 5 3	Biofilm type	Intermediate	-3.5017972	0.6646074	1.37E-07	2.64E-06
Metabolism Enzyme families	ko01000	Enzymes	hydrogenase small subunit EC 1 12 99 6	Vapor Type	Nicotine plus	2.77859419	0.52765347	1.39E-07	2.68E-06
Metabolism Enzyme families	ko01000	Enzymes	MoXr like ATPase EC 3 6 3	Vapor Type	Nicotine free	3.3810706	0.64234552	1.41E-07	2.71E-06
Metabolism Enzyme families	ko01000	Enzymes	L glycerol dehydro 3 phosphate reductase EC 1 1 1	Biofilm type	Intermediate	-2.8877946	0.50505451	1.56E-07	2.98E-06
Metabolism Enzyme families	ko01000	Enzymes	ribonucleoside triphosphate reductase formate EC 1 1 98	Vapor Type	Nicotine free	3.43293275	0.65351593	1.61E-07	3.08E-06
Metabolism Enzyme families	ko01000	Enzymes	two component system LytR family sensor histidine inase	Vapor Type	Nicotine free	3.89308216	0.74385795	1.66E-07	3.17E-06
Metabolism Enzyme families	ko01000	Enzymes	alanine adding enzyme EC 2 3 2	Vapor Type	Nicotine plus	3.36772998	0.64364984	1.67E-07	3.19E-06
Metabolism Enzyme families	ko01000	Enzymes	dihydroxyacetate synthase EC 2 5 1 15	Vapor Type	Nicotine plus	2.30753425	0.44143215	1.72E-07	3.27E-06
Metabolism Enzyme families	ko01000	Enzymes	enoyl acyl carrier protein reductase I EC 1 3 1 9 13 1 10	Vapor Type	Nicotine plus	3.98063973	0.76253944	1.79E-07	3.39E-06
Metabolism Enzyme families	ko01000	Enzymes	NADH quinone oxidoreductase subunit N EC 1 6 5 3	Vapor Type	Nicotine free	4.1834028	0.80364953	1.93E-07	3.66E-06
Metabolism Enzyme families	ko01000	Enzymes	glutamate N acetyltransferase amino acid N acetyltransfe	Vapor Type	Nicotine plus	2.49301555	0.47918475	1.96E-07	3.71E-06
Metabolism Enzyme families	ko01000	Enzymes	glycerol 3 phosphate dehydrogenase subunit C EC 1 1 5 3	Vapor Type	Nicotine free	3.72940677	0.71747156	2.01E-07	3.81E-06
Metabolism Enzyme families	ko01000	Enzymes	hydroxymethylpyrimidine phosphomethylpyrimidine inase E	Vapor Type	Nicotine free	2.69692575	0.5193966	2.08E-07	3.92E-06
Metabolism Enzyme families	ko01000	Enzymes	16S rRNA cytosine1402 N4 methyltransferase EC 2 1 1 199	Vapor Type	Nicotine plus	2.28634005	0.44079365	2.14E-07	4.03E-06
Metabolism Enzyme families	ko01000	Enzymes	ATP dependent RNA helicase HelY EC 3 6 4	Biofilm type	Intermediate	-4.2362797	0.81742573	2.19E-07	4.13E-06
Metabolism Enzyme families	ko01000	Enzymes	histidine inase EC 2 7 13 3	Vapor Type	Nicotine free	3.17925367	0.61423297	2.27E-07	4.26E-06
Metabolism Enzyme families	ko01000	Enzymes	pyruvate oxidase EC 1 2 3 3	Biofilm type	Intermediate	-0.2081661	0.04024982	2.32E-07	4.35E-06
Metabolism Enzyme families	ko01000	Enzymes	hydrolytic reductase EC 1 5 1 3	Vapor Type	Nicotine plus	2.43767099	0.47217844	2.44E-07	4.56E-06
Metabolism Enzyme families	ko01000	Enzymes	foldase protein FtsK EC 5 2 1 8	Vapor Type	Nicotine plus	3.28047053	0.53606054	2.56E-07	4.79E-06
Metabolism Enzyme families	ko01000	Enzymes	lagatase 6 phosphate etose aldose isomerase EC 5	Vapor Type	Nicotine plus	2.28811927	0.44430599	2.61E-07	4.87E-06
Metabolism Enzyme families	ko01000	Enzymes	NADH quinone oxidoreductase subunit L EC 1 6 5 3	Vapor Type	Nicotine free	3.63924518	0.70690577	2.63E-07	4.91E-06
Metabolism Enzyme families	ko01000	Enzymes	lactonase EC 3 1 1	Vapor Type	Nicotine free	7.59551856	1.47923832	2.83E-07	5.25E-06
Metabolism Enzyme families	ko01000	Enzymes	succinyl diamionopelate desuccinylase EC 3 5 1 18	Vapor Type	Nicotine free	3.18546772	0.62115296	2.92E-07	5.42E-06
Metabolism Enzyme families	ko01000	Enzymes	beta lactamase class C EC 3 5 2 6	Vapor Type	Nicotine free	3.03203821	0.59131293	2.93E-07	5.44E-06
Metabolism Enzyme families	ko01000	Enzymes	alpha 1 2 mannosyltransferase EC 2 4 1	Biofilm type	Pathogen-rich	-2.6184954	0.51089441	2.97E-07	5.50E-06
Metabolism Enzyme families	ko01000	Enzymes	PPM family protein phosphatase EC 3 1 3 16	Vapor Type	Nicotine plus	3.20265628	0.62508976	3.00E-07	5.55E-06
Metabolism Enzyme families	ko01000	Enzymes	2 3 cyclic nucleotide 2 phosphodiesterase 3 nucleotidase	Vapor Type	Nicotine free	2.46739818	0.48165786	3.01E-07	5.57E-06
Metabolism Enzyme families	ko01000	Enzymes	Xaa Pro dipeptidase EC 3 4 13 9	Vapor Type	Nicotine plus	2.39725939	0.47110078	3.61E-07	6.63E-06
Metabolism Enzyme families	ko01000	Enzymes	16S rRNA pseudouridine516 synthase EC 5 4 99 19	Vapor Type	Nicotine plus	2.60319477	0.51165542	3.62E-07	6.65E-06
Metabolism Enzyme families	ko01000	Enzymes	6 phosphogluconate dehydrogenase EC 1 1 1 44 1 1 1 343	Vapor Type	Nicotine plus	2.4600444	0.48436991	3.80E-07	6.96E-06
Metabolism Enzyme families	ko01000	Enzymes	nitrite reductase NADH small subunit EC 1 7 1 15	Vapor Type	Nicotine free	3.87918452	0.76448934	3.89E-07	7.12E-06
Metabolism Enzyme families	ko01000	Enzymes	N acetylglucosamine 6 phosphate deacetylase EC 3 5 1 25	Vapor Type	Nicotine free	2.91344786	0.57462965	3.98E-07	7.27E-06
Metabolism Enzyme families	ko01000	Enzymes	phosphatidate cytidyltransferase EC 2 7 7 41	Vapor Type	Nicotine free	2.77326867	0.54775738	4.13E-07	7.53E-06
Metabolism Enzyme families	ko01000	Enzymes	asparaginyl tRNA synthetase EC 6 1 1 22	Vapor Type	Nicotine plus	2.19794715	0.4345075	4.23E-07	7.69E-06
Metabolism Enzyme families	ko01000	Enzymes	DNA gyrase subunit B EC 5 99 1 3	Vapor Type	Nicotine plus	2.51360841	0.49709217	4.27E-07	7.76E-06
Metabolism Enzyme families	ko01000	Enzymes	3 isopropylmalate R 2 methylmalate dehydratase small su	Vapor Type	Nicotine plus	2.52173991	0.44600912	4.43E-07	8.03E-06
Metabolism Enzyme families	ko01000	Enzymes	inosine dehydratase EC 4 2 1 44	Biofilm type	Pathogen-rich	-2.4640017	0.48885208	4.65E-07	8.42E-06
Metabolism Enzyme families	ko01000	Enzymes	alanine synthetizing transaminase EC 2 6 1 66 2 6 1 2	Vapor Type	Nicotine plus	2.51735153	0.50310453	4.75E-07	9.32E-06
Metabolism Enzyme families	ko01000	Enzymes	phosphatidylglycerol lysyltransferase EC 3 3 2 3	Vapor Type	Nicotine free	2.78177275	0.59020004	4.97E-07	9.76E-06
Metabolism Enzyme families	ko01000	Enzymes	glutamine synthetase adenylytransferase glutamine synt	Vapor Type	Nicotine free	3.31298751	0.66363917	5.57E-07	1.00E-05
Metabolism Enzyme families	ko01000	Enzymes	pyruvate inase EC 2 7 1 40	Vapor Type	Nicotine plus	2.49140951	0.49857883	5.82E-07	1.05E-05
Metabolism Enzyme families	ko01000	Enzymes	dihydroxyacetate dehydrogenase fumarate EC 1 3 98 1	Vapor Type	Nicotine free	3.31649812	0.66372946	5.83E-07	1.05E-05
Metabolism Enzyme families	ko01000	Enzymes	phosphomevalonate inase EC 2 7 4 2	Vapor Type	Nicotine free	3.19029101	0.63847338	5.83E-07	1.05E-05
Metabolism Enzyme families	ko01000	Enzymes	arsenite transporting ATPase EC 3 6 3 16	Vapor Type	Nicotine free	7.73480687	1.55085413	6.12E-07	1.09E-05
Metabolism Enzyme families	ko01000	Enzymes	manganese dependent inorganic pyrophosphatase EC 3 6 1	Vapor Type	Nicotine plus	2.18910831	0.43935222	6.27E-07	1.12E-05
Metabolism Enzyme families	ko01000	Enzymes	N acetylmuramic acid 6 phosphate etherase EC 4 2 1 126	Vapor Type	Nicotine plus	2.1582325	0.43362533	6.45E-07	1.15E-05
Metabolism Enzyme families	ko01000	Enzymes	chorismate synthase EC 4 2 3 5	Vapor Type	Nicotine plus	1.96456617	0.39538277	6.74E-07	1.20E-05
Metabolism Enzyme families	ko01000	Enzymes	hyaluronate lyase EC 4 2 2 1	Vapor Type	Nicotine free	4.67232392	0.94047188	6.76E-07	1.20E-05
Metabolism Enzyme families	ko01000	Enzymes	cell division protease FtsH EC 3 4 2 4	Vapor Type	Nicotine plus	2.63810829	0.53141418	6.89E-07	1.23E-05
Metabolism Enzyme families	ko01000	Enzymes	enoyl acyl carrier protein reductase II EC 1 3 1 9	Vapor Type	Nicotine free	3.13615036	0.63449107	7.70E-07	1.36E-05
Metabolism Enzyme families	ko01000	Enzymes	two component system OmpR family sensor histidine inas	Vapor Type	Pathogen-rich	-2.4022383	0.48664004	7.96E-07	1.41E-05
Metabolism Enzyme families	ko01000	Enzymes	leucyl aminopeptidase EC 3 4 1 1 1	Vapor Type	Nicotine plus	2.21755925	0.44966531	8.16E-07	1.44E-05
Metabolism Enzyme families	ko01000	Enzymes	Cu2 exporting ATPase EC 3 6 3 4	Vapor Type	Nicotine plus	2.48135506	0.50370475	8.38E-07	1.48E-05
Metabolism Enzyme families	ko01000	Enzymes	4 hydroxybenzoate polyprenyltransferase EC 2 5 1 39	Vapor Type	Nicotine plus	2.54211738	0.51625198	8.55E-07	1.50E-05
Metabolism Enzyme families	ko01000	Enzymes	2 amino 4 etopentanolate thiolase beta subunit EC 2 3 1 26	Biofilm type	Pathogen-rich	-2.266268	0.46048375	8.59E-07	1.51E-05
Metabolism Enzyme families	ko01000	Enzymes	para nitrobenzyl esterase EC 3 1 1	Vapor Type	Nicotine free	3.73316438	0.75858629	8.60E-07	1.51E-05
Metabolism Enzyme families	ko01000	Enzymes	2 3 bisphosphoglycerate dependent phosphoglycerate muta	Vapor Type	Nicotine free	2.93503972	0.59927797	9.70E-07	1.70E-05
Metabolism Enzyme families	ko01000	Enzymes	2 enolate reductase EC 1 3 1 31	Biofilm type	Intermediate	-4.1264304	0.842615	9.72E-07	1.70E-05
Metabolism Enzyme families	ko01000	Enzymes	D ribose pyrase EC 4 99 62	Biofilm type	Intermediate	-0.6351398	0.12985137	1.00E-06	1.75E-05
Metabolism Enzyme families	ko01000	Enzymes	dihydroflavonol 4 reductase EC 1 1 1 219	Vapor Type	Nicotine free	3.14732962	0.64501468	1.06E-06	1.86E-05
Metabolism Enzyme families	ko01000	Enzymes	streptothricin acetyltransferase EC 2 3	Vapor Type	Nicotine free	3.97476894	0.81462796	1.06E-06	1.86E-05
Metabolism Enzyme families	ko01000	Enzymes	adenosylcobalaminide GDP ribazoletransferase EC 2 7 8 26	Biofilm type	Intermediate	-0.8379809	0.17203786	1.11E-06	1.93E-05
Metabolism Enzyme families	ko01000	Enzymes	8 oxo dGTP diphosphatase EC 3 6 1 55	Vapor Type	Nicotine free	3.40516695	0.70176615	1.22E-06	2.12E-05
Metabolism Enzyme families	ko01000	Enzymes	cystathione beta lyase EC 4 4 1 8	Vapor Type	Nicotine plus	1.85236695	0.38182006	1.23E-06	2.12E-05
Metabolism Enzyme families	ko01000	Enzymes	23S rRNA pseudouridine1915 N3 methyltransferase EC 2	Vapor Type	Nicotine plus	2.43316471	0.5019344	1.	

Metabolism Enzyme families	ko01000	Enzymes	acetyl esterase EC 3 1 1	Vapor Type	Nicotine free	2.25585862	0.47534754	2.08E-06	3.51E-05
Metabolism Enzyme families	ko01000	Enzymes	gamma polyglutamate synthase EC 6 3 2	Vapor Type	Nicotine plus	2.7666792	0.58320708	2.10E-06	3.54E-05
Metabolism Enzyme families	ko01000	Enzymes	5 methyltetrahydrofolate homocysteine methyltransferase	Vapor Type	Nicotine plus	2.22668587	0.46941264	2.10E-06	3.54E-05
Metabolism Enzyme families	ko01000	Enzymes	ribonuclease P protein component EC 3 1 26 5	Vapor Type	Nicotine plus	2.03990884	0.43029151	2.13E-06	3.59E-05
Metabolism Enzyme families	ko01000	Enzymes	glycosyltransferase EC 2 4	Vapor Type	Nicotine free	2.083765	0.43972266	2.15E-06	3.62E-05
Metabolism Enzyme families	ko01000	Enzymes	ferredoxin flavodoxin NADP reductase EC 1 18 1 2 1 19 1	Vapor Type	Nicotine free	3.03153551	0.64012474	2.18E-06	3.68E-05
Metabolism Enzyme families	ko01000	Enzymes	1,3-threonylcarbamoyladenylylase EC 2 7 7 87	Vapor Type	Nicotine plus	2.09273218	0.44456472	2.51E-06	4.20E-05
Metabolism Enzyme families	ko01000	Enzymes	arsenate reductase EC 1 20 4 1	Vapor Type	Nicotine plus	2.27752876	0.48433086	2.57E-06	4.29E-05
Metabolism Enzyme families	ko01000	Enzymes	alanyl tRNA synthetase EC 6 1 1 7	Vapor Type	Nicotine free	2.93789831	0.62282946	2.85E-06	4.30E-05
Metabolism Enzyme families	ko01000	Enzymes	phosphonate transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine plus	2.56771394	0.54645811	2.86E-06	4.36E-05
Metabolism Enzyme families	ko01000	Enzymes	phosphatase EC 3 1 1 5	Vapor Type	Nicotine free	3.060661	0.65200413	2.68E-06	4.46E-05
Metabolism Enzyme families	ko01000	Enzymes	glutathionyl hydroquinone reductase EC 1 8 5 7	Vapor Type	Nicotine free	2.57890746	0.55076389	2.84E-06	4.71E-05
Metabolism Enzyme families	ko01000	Enzymes	alpha 1 6 mannosyltransferase EC 2 4 1	Biofilm type	Intermediate	2.566876	0.54851301	2.87E-06	4.77E-05
Metabolism Enzyme families	ko01000	Enzymes	tRNA Ile lysidine synthase EC 6 3 4 19	Vapor Type	Nicotine plus	2.33810399	0.50012897	2.94E-06	4.87E-05
Metabolism Enzyme families	ko01000	Enzymes	histidinol phosphatase EC 3 1 3 15	Biofilm type	Pathogen-rich	2.4354468	0.52205314	3.08E-06	5.10E-05
Metabolism Enzyme families	ko01000	Enzymes	bacterioferritin EC 1 16 3 1	Vapor Type	Nicotine free	4.08277698	0.87726543	3.18E-06	5.24E-05
Metabolism Enzyme families	ko01000	Enzymes	3 deoxy 7 phosphatephosphonate synthase EC 2 5 1 54	Vapor Type	Nicotine free	2.57803686	0.5542964	3.30E-06	5.44E-05
Metabolism Enzyme families	ko01000	Enzymes	glycerol 3 phosphate dehydrogenase subunit B EC 1 1 5 3	Vapor Type	Nicotine free	2.66206603	0.57341733	3.44E-06	5.65E-05
Metabolism Enzyme families	ko01000	Enzymes	alpha 1 6 mannosyltransferase EC 2 4 1	Biofilm type	Pathogen-rich	2.18142162	0.39131317	3.55E-06	5.82E-05
Metabolism Enzyme families	ko01000	Enzymes	amidohydrolase EC 3 5 1	Vapor Type	Nicotine plus	2.08273265	0.44954789	3.60E-06	5.90E-05
Metabolism Enzyme families	ko01000	Enzymes	UDP N acetylmuramoyl tripeptide D alanyl D alanine ligase	Vapor Type	Nicotine plus	2.35304923	0.50860314	3.72E-06	6.08E-05
Metabolism Enzyme families	ko01000	Enzymes	two component system LytR family sensor histidine kinase	Vapor Type	Nicotine free	3.03379512	0.65611898	3.77E-06	6.15E-05
Metabolism Enzyme families	ko01000	Enzymes	tellurite methyltransferase EC 3 1 1 265	Vapor Type	Nicotine free	2.70574947	0.58540097	3.80E-06	6.20E-05
Metabolism Enzyme families	ko01000	Enzymes	chorismate mutase EC 5 4 99 5	Vapor Type	Nicotine free	1.47033761	0.31855534	3.92E-06	6.39E-05
Metabolism Enzyme families	ko01000	Enzymes	23S rRNA cytidine1920 2 O 16S rRNA cytidine1409 2 O	Vapor Type	Nicotine plus	2.35391033	0.5100078	3.92E-06	6.39E-05
Metabolism Enzyme families	ko01000	Enzymes	superoxide reductase EC 1 15 1 2	Vapor Type	Nicotine free	8.07894652	1.7544519	4.13E-06	6.71E-05
Metabolism Enzyme families	ko01000	Enzymes	acetyl esterase EC 3 1 1	Biofilm type	Intermediate	2.5314208	0.55147572	4.43E-06	7.18E-05
Metabolism Enzyme families	ko01000	Enzymes	nicotinamide pyrazinamidase EC 3 5 1 19 3 5 1	Vapor Type	Nicotine free	4.3354584	0.94583739	4.57E-06	7.41E-05
Metabolism Enzyme families	ko01000	Enzymes	error prone DNA polymerase EC 2 7 7	Vapor Type	Nicotine free	5.23185555	1.15642187	4.70E-06	7.62E-05
Metabolism Enzyme families	ko01000	Enzymes	two component system NtrL family nitrate nitrite sensor histidine kinase	Vapor Type	Nicotine free	3.08782202	0.67570203	4.78E-06	7.91E-05
Metabolism Enzyme families	ko01000	Enzymes	1,2 diacylglycerol 3 alpha glucose alpha 1 2 galactosyltransferase	Vapor Type	Nicotine free	1.87837504	0.41117916	4.92E-06	7.96E-05
Metabolism Enzyme families	ko01000	Enzymes	nitric oxide synthase bacterial EC 1 14 14 47	Vapor Type	Nicotine plus	2.66170335	0.58357746	5.09E-06	8.22E-05
Metabolism Enzyme families	ko01000	Enzymes	KTP dTP diphosphohydrolase EC 3 1 66	Vapor Type	Nicotine free	2.93705076	0.64484075	5.25E-06	8.47E-05
Metabolism Enzyme families	ko01000	Enzymes	Mg2 importing ATPase EC 6 3 2	Vapor Type	Nicotine free	2.78339064	0.61170421	5.34E-06	8.61E-05
Metabolism Enzyme families	ko01000	Enzymes	glycerol 3 phosphate dehydrogenase subunit B EC 1 1 5 3	Biofilm type	Pathogen-rich	2.2323761	0.49191382	5.68E-06	9.13E-05
Metabolism Enzyme families	ko01000	Enzymes	NAD P H quinone oxidoreductase subunit 5 EC 1 6 5 3	Vapor Type	Nicotine plus	4.42351071	0.97494631	5.70E-06	9.17E-05
Metabolism Enzyme families	ko01000	Enzymes	hydroxylamine reductase EC 1 7 99 1	Vapor Type	Nicotine plus	3.40325798	0.75038106	5.75E-06	9.24E-05
Metabolism Enzyme families	ko01000	Enzymes	fructan beta fructosidase EC 3 2 1 80	Vapor Type	Nicotine free	2.77023903	0.61114939	5.82E-06	9.34E-05
Metabolism Enzyme families	ko01000	Enzymes	euryarctic ile serine threonine protein kinase EC 2 7 1 11	Vapor Type	Nicotine free	3.08324556	0.68106378	5.98E-06	9.58E-05
Metabolism Enzyme families	ko01000	Enzymes	acetyl esterase EC 3 1 1	Biofilm type	Pathogen-rich	1.7980393	0.3972029	5.99E-06	9.60E-05
Metabolism Enzyme families	ko01000	Enzymes	endoglucanase EC 3 2 1 4	Biofilm type	Pathogen-rich	2.0429342	0.45168114	6.10E-06	9.76E-05
Metabolism Enzyme families	ko01000	Enzymes	HPH inase phosphorylase EC 2 7 11 2 7 4	Vapor Type	Nicotine plus	2.23120874	0.49439996	6.39E-06	0.000102151
Metabolism Enzyme families	ko01000	Enzymes	X Pro dipeptidyl peptidase EC 3 4 14 11	Vapor Type	Nicotine plus	3.03136489	0.66808562	6.48E-06	0.000103435
Metabolism Enzyme families	ko01000	Enzymes	5 methyltetrahydropteroyltrimethylglutamate homocysteine methyltransferase	Vapor Type	Nicotine free	2.59921496	0.57372331	6.73E-06	0.000107199
Metabolism Enzyme families	ko01000	Enzymes	core anaerobic ribonucleoside triphosphate reductase activating	Vapor Type	Nicotine free	2.92276612	0.65131272	7.21E-06	0.000114409
Metabolism Enzyme families	ko01000	Enzymes	DNA helicase II ATP dependent DNA helicase PcrA EC 3 6 4	Vapor Type	Nicotine plus	2.24557056	0.50053212	7.24E-06	0.000114985
Metabolism Enzyme families	ko01000	Enzymes	menaquinone 9 beta reductase EC 1 3 99 38	Biofilm type	Intermediate	3.932137	0.87681713	7.31E-06	0.00011593
Metabolism Enzyme families	ko01000	Enzymes	non specific ribonucleoside hydrolase EC 3 2	Vapor Type	Nicotine plus	2.68637192	0.59984623	7.52E-06	0.000119199
Metabolism Enzyme families	ko01000	Enzymes	medium chain acyl acyl carrier protein hydrolase EC 3 1 2	Vapor Type	Nicotine free	2.97517825	0.64448608	7.56E-06	0.000119735
Metabolism Enzyme families	ko01000	Enzymes	glutamyl aminopeptidase EC 3 4 11 7	Vapor Type	Nicotine free	3.08082024	0.67570203	7.88E-06	0.000120498
Metabolism Enzyme families	ko01000	Enzymes	trehalase 6 phosphate phosphatase EC 3 1 3 12	Vapor Type	Nicotine free	3.34099316	0.74663259	7.65E-06	0.000121113
Metabolism Enzyme families	ko01000	Enzymes	telcholic acid glycerol phosphate primase EC 2 7 8 44	Vapor Type	Nicotine plus	7.84400571	1.75413909	7.76E-06	0.000122738
Metabolism Enzyme families	ko01000	Enzymes	glucose 1 dehydrogenase EC 1 11 47	Vapor Type	Nicotine plus	3.44903701	0.7724985	7.96E-06	0.000125834
Metabolism Enzyme families	ko01000	Enzymes	glycerol 3 phosphate dehydrogenase subunit B EC 1 1 5 3	Biofilm type	Intermediate	2.5989428	0.58195395	7.97E-06	0.00012599
Metabolism Enzyme families	ko01000	Enzymes	acetylornithine N succinyl diaminopimelate aminotransferase	Biofilm type	Intermediate	0.9436195	0.21131345	7.99E-06	0.000126185
Metabolism Enzyme families	ko01000	Enzymes	2 3 4 5 tetrahydroxydipyrrole 2 6 dicarboxylate N succinyltransferase	Vapor Type	Nicotine free	1.68351597	0.38099831	8.28E-06	0.000130636
Metabolism Enzyme families	ko01000	Enzymes	3 phosphoinositide 1 carboxyvinyltransferase EC 2 5 1 19	Vapor Type	Nicotine plus	1.15391179	0.25907015	8.43E-06	0.000132831
Metabolism Enzyme families	ko01000	Enzymes	molybdenum cofactor guanylyltransferase EC 2 7 7 7	Vapor Type	Nicotine plus	3.68365782	0.82753123	8.53E-06	0.000134374
Metabolism Enzyme families	ko01000	Enzymes	diphosphomethyltransferase EC 4 1 1 33	Vapor Type	Nicotine free	2.90458321	0.65267065	8.57E-06	0.00013501
Metabolism Enzyme families	ko01000	Enzymes	diadenylyl cyclase EC 2 7 7 85	Vapor Type	Nicotine free	3.06141695	0.68963094	9.03E-06	0.000141908
Metabolism Enzyme families	ko01000	Enzymes	cytomalotodextrinase maltogenic alpha amylase neopull	Vapor Type	Nicotine free	3.14374487	0.70827596	9.06E-06	0.000142277
Metabolism Enzyme families	ko01000	Enzymes	trehalase 6 phosphate phosphatase EC 3 1 3 12	Biofilm type	Intermediate	3.1697484	0.71425545	9.09E-06	0.000142691
Metabolism Enzyme families	ko01000	Enzymes	PTS system galactose specific IIA component EC 2 7 1 204	Vapor Type	Nicotine plus	2.49568985	0.56241069	9.10E-06	0.00014288
Metabolism Enzyme families	ko01000	Enzymes	putative uridylyltransferase EC 2 7 7	Vapor Type	Nicotine plus	3.97940929	0.89763196	9.28E-06	0.000145603
Metabolism Enzyme families	ko01000	Enzymes	oxaloacetate decarboxylase beta subunit EC 4 1 1 3	Biofilm type	Pathogen-rich	2.729875	0.61592304	9.33E-06	0.000146235
Metabolism Enzyme families	ko01000	Enzymes	sortase A EC 3 4 22 70	Vapor Type	Nicotine plus	2.46239371	0.55616914	9.54E-06	0.000149273
Metabolism Enzyme families	ko01000	Enzymes	two component system OmpR family sensor histidine kinase	Vapor Type	Nicotine plus	2.7907966	0.63129135	9.83E-06	0.000153847
Metabolism Enzyme families	ko01000	Enzymes	mercuric reductase EC 1 16 1 1	Vapor Type	Nicotine free	2.42155779	0.54801345	9.93E-06	0.000155174
Metabolism Enzyme families	ko01000	Enzymes	holo acyl carrier protein synthase EC 2 7 8 7	Biofilm type	Intermediate	0.34714521	0.07886284	1.01E-05	0.000157325
Metabolism Enzyme families	ko01000	Enzymes	beta mannosidase EC 3 2 1 15	Vapor Type	Nicotine free	3.08082024	0.67570203	7.88E-06	0.000157477
Metabolism Enzyme families	ko01000	Enzymes	aerobic carbon monoxide dehydrogenase small subunit EC	Vapor Type	Nicotine plus	4.76302695	1.07971233	1.03E-05	0.000160157
Metabolism Enzyme families	ko01000	Enzymes	inorganic pyrophosphatase EC 3 6 1 1	Vapor Type	Nicotine free	3.19352368	0.72441253	1.04E-05	0.000162213
Metabolism Enzyme families	ko01000	Enzymes	pyridoxalase EC 2 7 1 35	Vapor Type	Nicotine plus	1.7890158	0.40599589	1.05E-05	0.00016358
Metabolism Enzyme families	ko01000	Enzymes	D threonine D erythronine kinase EC 2 7 1	Vapor Type	Nicotine free	2.98876504	0.67870161	1.06E-05	0.000165589
Metabolism Enzyme families	ko01000	Enzymes	carboxylesterase EC 3 1 1 1	Vapor Type	Nicotine plus	4.61431713	1.04873737	1.08E-05	0.000168102
Metabolism Enzyme families	ko01000	Enzymes	pyruvate water diolase EC 2 7 9 2	Biofilm type	Intermediate	0.6421565	0.14617756	1.12E-05	0.000173217
Metabolism Enzyme families	ko01000	Enzymes	formamidopyrimidine DNA glycosylase EC 3 2 2 23 4 2 99 1	Vapor Type	Nicotine plus	2.20502058	0.50223569	1.13E-05	0.000175184
Metabolism Enzyme families	ko01000	Enzymes	putative endopeptidase EC 3 4 2 4	Vapor Type	Nicotine plus	2.64605551	0.60274928	1.13E-05	0.000175431
Metabolism Enzyme families	ko01000	Enzymes	5 amino 6 5 phospho D ribitylamino uracil phosphatase EC	Vapor Type	Nicotine plus	2.27838098	0.52146018	1.25E-05	0.000192169
Metabolism Enzyme families	ko01000	Enzymes	galactose 6 phosphate isomerase EC 5 3 1 26	Vapor Type	Nicotine plus	3.14557478	0.72126036	1.29E-05	0.000199115
Metabolism Enzyme families	ko01000	Enzymes	anhydride N acetylmuramic acid kinase EC 2 7 1 170	Vapor Type	Nicotine free	2.66564209	0.61159266	1.31E-05	0.000201407
Metabolism Enzyme families	ko01000	Enzymes	UDP galactopyranose mutase EC 5 4 99 9	Vapor Type	Nicotine free	2.98404834	0.68498602	1.32E-05	0.000203347
Metabolism Enzyme families	ko01000	Enzymes	octanoyl CoVH protein N octanoyltransferase EC 2 3 1 204	Vapor Type	Nicotine plus	3.52626967	0.8095591	1.33E-05	0.000203821
Metabolism Enzyme families	ko01000	Enzymes	ATP binding cassette subfamily C bacterial competence factor	Vapor Type	Nicotine free	3.26804092	0.75546274	1.52E-05	0.000232474
Metabolism Enzyme families	ko01000	Enzymes	16S rRNA uracil1498 N3 methyltransferase EC 2 1 1 193	Vapor Type	Nicotine plus	2.26585509	0.52386929	1.52E-05	0.000233093
Metabolism Enzyme families	ko01000	Enzymes	GMP reductase EC 1 7 1 7	Vapor Type	Nicotine plus	2.06743944	0.47886708	1.58E-05	0.000241148
Metabolism Enzyme families	ko01000	Enzymes	mRNA interreader MazF EC 3 1	Vapor Type	Nicotine plus	3.15928932	0.73309302	1.64E-05	0.000249487
Metabolism Enzyme families	ko01000	Enzymes	D tyrosyl tRNA Tyr deacylase EC 3 1	Vapor Type	Nicotine plus	1.13461891	0.26332556	1.64E-05	0.000250229
Metabolism Enzyme families	ko01000	Enzymes	D alanyl D alanine dipeptidase EC 3 4 13	Vapor Type	Nicotine free	0.93751478	0.07988936	1.66E-05	0.000253493
Metabolism Enzyme families	ko01000	Enzymes	anthranilate phosphoribosyltransferase EC 2 4 2 18	Vapor Type	Nicotine free	2.74440712	0.63798836	1.69E-05	0.000257991
Metabolism Enzyme families	ko01000	Enzymes	5 formyltetrahydrofolate cyclo ligase EC 6 3 3 2	Vapor Type	Nicotine free	2.61631876	0.60834207	1.70E-05	0.000258075
Metabolism Enzyme families	ko01000	Enzymes	putative glutamine transport system ATP binding protein EC	Biofilm type	Pathogen-rich	0.3627179	0.08447149	1.76E-05	0.000266571
Metabolism Enzyme families	ko01000	Enzymes	endonuclease EC 3 1	Biofilm type	Pathogen-rich	2.4622451	0.57419398	1.80E-05	0.000272762
Metabolism Enzyme families	ko01000	Enzymes	transcription repressor coupling factor superfamily II helicase	Vapor Type	Nicotine plus	2.08753868	0.48722667	1.83E-05	0.000277113
Metabolism Enzyme families	ko01000	Enzymes	cytochrome aa3 600 menaquinone oxidase subunit II EC						

Metabolism Enzyme families	ko01000	Enzymes		two component system NarL family nitrate/nitrite sensor H	Vapor Type	Nicotine plus	2.82329596	0.67812406	3.14E-05	0.000462413
Metabolism Enzyme families	ko01000	Enzymes		N acetylglucosamine malate deacetylase 2 EC 3 5 1	Biofilm type	Pathogen-rich	0.47619627	0.11448347	3.19E-05	0.00046988
Metabolism Enzyme families	ko01000	Enzymes		formate dehydrogenase major subunit EC 1 17 1 9	Vapor Type	Nicotine plus	1.90374384	0.45778446	3.20E-05	0.00047143
Metabolism Enzyme families	ko01000	Enzymes		tRNA guanine N7 methyltransferase EC 2 1 1 33	Vapor Type	Nicotine plus	2.16913273	0.52421503	3.51E-05	0.000514265
Metabolism Enzyme families	ko01000	Enzymes		tryptophanase EC 4 1 99 1	Vapor Type	Nicotine free	0.91348349	0.22093722	3.56E-05	0.000521244
Metabolism Enzyme families	ko01000	Enzymes		geranylgeranyl diphosphate synthase type I EC 2 5 1 1 2 5	Biofilm type	Pathogen-rich	-2.6409934	0.64042466	3.73E-05	0.000545484
Metabolism Enzyme families	ko01000	Enzymes		arginine decarboxylase EC 4 1 1 19	Vapor Type	Nicotine free	2.24949514	0.54558724	3.74E-05	0.000547117
Metabolism Enzyme families	ko01000	Enzymes		eopoyquinoxaline reductase EC 1 17 99 6	Biofilm type	Intermediate	-0.4362162	0.10589733	3.80E-05	0.000555826
Metabolism Enzyme families	ko01000	Enzymes		membrane bound tylic murein transglycosylase A EC 4 2 2	Vapor Type	Nicotine free	2.82371896	0.6877535	4.03E-05	0.00057918
Metabolism Enzyme families	ko01000	Enzymes		putative uridylyltransferase EC 2 7 7	Biofilm type	Pathogen-rich	0.38895876	0.0973863	6.19E-05	0.00061052
Metabolism Enzyme families	ko01000	Enzymes		1 3 beta galactosyl N acetylglucosamine phosphorylase EC 2	Biofilm type	Intermediate	-4.2720738	1.04301028	4.21E-05	0.000612364
Metabolism Enzyme families	ko01000	Enzymes		two component system OmpH family sensor histidine kinase	Biofilm type	Intermediate	-3.714332	0.90721984	4.24E-05	0.000616242
Metabolism Enzyme families	ko01000	Enzymes		bleomycin hydrolase EC 3 4 22 40	Vapor Type	Nicotine plus	2.66808658	0.65209965	4.29E-05	0.000623015
Metabolism Enzyme families	ko01000	Enzymes		asparagine synthase glutamine hydrolysing EC 6 3 5 4	Vapor Type	Nicotine free	1.68733233	0.412983	4.39E-05	0.000636912
Metabolism Enzyme families	ko01000	Enzymes		phosphatidylinositol alpha 1 6 mannosyltransferase EC 2 4	Biofilm type	Pathogen-rich	-2.770995	0.67917925	4.51E-05	0.000652308
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit M EC 1 6 5 3	Vapor Type	Nicotine plus	2.98964834	0.73548003	4.81E-05	0.000693334
Metabolism Enzyme families	ko01000	Enzymes		3 deoxy 7 phosphoheptulonate synthase chorismate mutase	Vapor Type	Nicotine free	6.4362283	1.58388479	4.83E-05	0.000696901
Metabolism Enzyme families	ko01000	Enzymes		arsenate reductase EC 1 20 4 1	Biofilm type	Pathogen-rich	0.47555479	0.11710369	4.89E-05	0.000704325
Metabolism Enzyme families	ko01000	Enzymes		Ala tRNA Pro deacylase EC 3 1 1	Vapor Type	Nicotine free	2.62290607	0.64597223	4.90E-05	0.000705887
Metabolism Enzyme families	ko01000	Enzymes		phosphopantothentoylcysteine decarboxylase EC 4 1 1 36	Vapor Type	Nicotine plus	2.00647682	0.49504215	5.05E-05	0.000727537
Metabolism Enzyme families	ko01000	Enzymes		ferredoxin flavodoxin NADP reductase EC 1 18 1 2 1 19 1	Vapor Type	Nicotine free	3.83869753	0.94852634	5.19E-05	0.000746045
Metabolism Enzyme families	ko01000	Enzymes		alpha 1 2 mannosyltransferase EC 2 4 1	Biofilm type	Intermediate	-3.9864022	0.98643545	5.32E-05	0.000763894
Metabolism Enzyme families	ko01000	Enzymes	core	glyceraldehyde 3 phosphate dehydrogenase NADP EC 1 2	Vapor Type	Nicotine free	2.30186264	0.56963506	5.32E-05	0.000764465
Metabolism Enzyme families	ko01000	Enzymes		L fucose D arabinose isomerase EC 5 3 1 25 5 3 1 3	Biofilm type	Intermediate	-3.3184997	0.82127504	5.38E-05	0.000772428
Metabolism Enzyme families	ko01000	Enzymes		oligoribonuclease EC 3 1	Vapor Type	Nicotine free	3.16811136	0.78622861	5.59E-05	0.000800176
Metabolism Enzyme families	ko01000	Enzymes		protein PII uridylyltransferase EC 2 7 7 59	Vapor Type	Nicotine free	1.99666055	0.49564879	5.62E-05	0.00080351
Metabolism Enzyme families	ko01000	Enzymes		NAD P transhydrogenase subunit alpha EC 1 6 1 2	Vapor Type	Nicotine free	3.42061425	0.84978623	5.69E-05	0.00081342
Metabolism Enzyme families	ko01000	Enzymes		non specific ribonuclease hydrolase EC 3 2	Biofilm type	Pathogen-rich	0.54566152	0.13562648	5.74E-05	0.000819694
Metabolism Enzyme families	ko01000	Enzymes	core	bacterioferritin EC 1 16 3 1	Vapor Type	Nicotine plus	3.53956569	0.88175112	6.19E-05	0.000889996
Metabolism Enzyme families	ko01000	Enzymes		D threonate D encephalate inase EC 2 7 1	Biofilm type	Intermediate	-3.5089529	0.87708366	6.19E-05	0.000897453
Metabolism Enzyme families	ko01000	Enzymes		inosine dehydratase EC 4 2 1 44	Biofilm type	Intermediate	-3.9146364	0.97867023	6.34E-05	0.000899964
Metabolism Enzyme families	ko01000	Enzymes		DNA 3 methyladenine glycosylase I EC 3 2 2 20	Vapor Type	Nicotine plus	2.06253643	0.51633001	6.48E-05	0.000919521
Metabolism Enzyme families	ko01000	Enzymes		homoserine inase EC 2 7 1 39	Biofilm type	Pathogen-rich	-0.2055147	0.0515115	6.62E-05	0.000938078
Metabolism Enzyme families	ko01000	Enzymes		serine threonine protein phosphatase 1 EC 3 1 3 16	Vapor Type	Nicotine plus	2.0278888	0.50923055	6.83E-05	0.000966595
Metabolism Enzyme families	ko01000	Enzymes		fructuronate reductase EC 1 1 1 57	Vapor Type	Nicotine free	2.82025143	0.70867912	6.83E-05	0.000966875
Metabolism Enzyme families	ko01000	Enzymes		undecaprenol inase EC 2 7 1 66	Vapor Type	Nicotine plus	2.33746602	0.58752377	6.94E-05	0.000980729
Metabolism Enzyme families	ko01000	Enzymes		deoxyadenosine deoxycytidine inase EC 2 7 1 76 2 7 1 74	Biofilm type	Pathogen-rich	0.46877283	0.1187859	6.98E-05	0.000986555
Metabolism Enzyme families	ko01000	Enzymes		ribosome biogenesis GTPase thiamine phosphatase phosphatase	Vapor Type	Nicotine plus	2.0202232	0.50850446	7.10E-05	0.001002058
Metabolism Enzyme families	ko01000	Enzymes		NAD synthase EC 6 3 1 5	Vapor Type	Nicotine plus	2.11391193	0.53282171	7.27E-05	0.001024558
Metabolism Enzyme families	ko01000	Enzymes		3 hydroxyisobutyrate dehydrogenase EC 1 1 1 31	Vapor Type	Nicotine free	3.74735423	0.94807814	7.73E-05	0.001087813
Metabolism Enzyme families	ko01000	Enzymes		thiol peroxidase atypical 2 Cys peroxidoreductase EC 1 11 1 15	Vapor Type	Nicotine plus	2.57532218	0.65210113	7.78E-05	0.001093875
Metabolism Enzyme families	ko01000	Enzymes	core	histidinol phosphatase EC 3 1 3 15	Biofilm type	Intermediate	-3.6192249	0.9166954	7.88E-05	0.001106807
Metabolism Enzyme families	ko01000	Enzymes		ferritin EC 1 16 3 2	Biofilm type	Intermediate	-0.6406737	0.16255303	8.10E-05	0.001136864
Metabolism Enzyme families	ko01000	Enzymes		alpha N arabinofuranosidase EC 3 2 1 55	Biofilm type	Intermediate	-2.3802824	0.60641899	8.67E-05	0.001210941
Metabolism Enzyme families	ko01000	Enzymes		glutaryl CoA dehydrogenase EC 1 3 8 6	Vapor Type	Nicotine free	2.84894154	0.72781951	9.06E-05	0.001262763
Metabolism Enzyme families	ko01000	Enzymes		maturose O acetyltransferase EC 2 3 1 79	Vapor Type	Nicotine plus	1.82125058	0.4654379	9.12E-05	0.00126895
Metabolism Enzyme families	ko01000	Enzymes		4 phospho D threonate 3 dehydrogenase 4 phospho D erythr	Biofilm type	Pathogen-rich	-2.5417195	0.64966128	9.14E-05	0.001271781
Metabolism Enzyme families	ko01000	Enzymes		5 methylthioadenosine 3 adenosylhomocysteine deaminase	Vapor Type	Nicotine plus	2.13844774	0.54672983	9.18E-05	0.001276647
Metabolism Enzyme families	ko01000	Enzymes		cytochrome aa3 600 menaquinol oxidase subunit III EC 1 10	Biofilm type	Pathogen-rich	0.50993458	0.12813703	9.25E-05	0.001285794
Metabolism Enzyme families	ko01000	Enzymes		heat shock protein HspX EC 3 4 24	Vapor Type	Nicotine plus	2.40045409	0.87708366	9.38E-05	0.001302632
Metabolism Enzyme families	ko01000	Enzymes		GTP cyclohydrolase IB EC 3 5 4 16	Vapor Type	Nicotine free	7.63774999	1.95564312	9.40E-05	0.00130482
Metabolism Enzyme families	ko01000	Enzymes		4 phospho D threonate 3 dehydrogenase 4 phospho D erythr	Vapor Type	Nicotine free	2.78493674	0.71424098	9.65E-05	0.00133805
Metabolism Enzyme families	ko01000	Enzymes		NAD synthase glutamine hydrolysing EC 6 3 5 1	Vapor Type	Nicotine free	5.65337603	1.45228777	9.91E-05	0.001372529
Metabolism Enzyme families	ko01000	Enzymes		holliday junction DNA helicase RuvB EC 3 6 4 12	Vapor Type	Nicotine plus	2.2529641	0.58012786	0.00010342	0.001429551
Metabolism Enzyme families	ko01000	Enzymes		replicative DNA helicase EC 3 6 4 12	Vapor Type	Nicotine plus	2.26769698	0.58539286	0.0001056	0.001458898
Metabolism Enzyme families	ko01000	Enzymes		deoxyguanosine inase EC 2 7 1 113	Vapor Type	Nicotine free	6.725337	1.73470929	0.00010759	0.001461041
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit J EC 1 6 5 3	Vapor Type	Nicotine free	4.73891218	1.22561259	0.00011038	0.001520936
Metabolism Enzyme families	ko01000	Enzymes		3 hydroxyisobutyrate dehydrogenase EC 1 1 1 31	Vapor Type	Nicotine plus	3.6615435	0.94894244	0.00011406	0.001568029
Metabolism Enzyme families	ko01000	Enzymes		microcystin nuclease EC 3 1 31 1	Vapor Type	Nicotine plus	3.14558994	0.81612117	0.00011605	0.001594592
Metabolism Enzyme families	ko01000	Enzymes		anhydrous N acetylmuramic acid inase EC 2 7 1 170	Vapor Type	Nicotine plus	2.36780449	0.61475148	0.00011733	0.001610852
Metabolism Enzyme families	ko01000	Enzymes		superoxide reductase EC 1 15 1 2	Vapor Type	Nicotine plus	6.500836	1.75502574	0.00011999	0.001644882
Metabolism Enzyme families	ko01000	Enzymes		S ribosylhomocysteine lyase EC 4 4 1 21	Vapor Type	Nicotine free	2.63407723	0.68541563	0.00012152	0.001665437
Metabolism Enzyme families	ko01000	Enzymes		glutathionyl hydroquinone reductase EC 1 8 5 7	Vapor Type	Nicotine plus	2.12338707	0.55284741	0.00012262	0.001679257
Metabolism Enzyme families	ko01000	Enzymes		S adenosylmethionine tRNA ribosyltransferase isomerase E	Vapor Type	Nicotine free	2.46381798	0.64267661	0.00012624	0.001724772
Metabolism Enzyme families	ko01000	Enzymes		cytochrome aa3 600 menaquinol oxidase subunit II EC 1 10	Vapor Type	Nicotine free	7.43258084	1.93887366	0.00012636	0.00172594
Metabolism Enzyme families	ko01000	Enzymes		imidazoleglycerol phosphate dehydratase EC 2 4 1 19	Biofilm type	Intermediate	-0.5192652	0.13560171	0.00012849	0.001753684
Metabolism Enzyme families	ko01000	Enzymes		phosphoribosyl ATP pyrophosphorylase EC 2 7 1 1	Vapor Type	Nicotine plus	3.38229265	0.88514876	0.00013283	0.001809677
Metabolism Enzyme families	ko01000	Enzymes		peptidoglycan N acetylglucosamine deacetylase EC 3 5 1 14	Vapor Type	Nicotine free	2.98075286	0.78175088	0.00013734	0.001869188
Metabolism Enzyme families	ko01000	Enzymes		alpha N arabinofuranosidase EC 3 2 1 55	Biofilm type	Pathogen-rich	1.7341983	0.45581956	0.00014141	0.00187872
Metabolism Enzyme families	ko01000	Enzymes		ATP phosphoribosyltransferase EC 2 4 2 17	Vapor Type	Nicotine plus	2.0316408	0.26650006	0.00014503	0.001969625
Metabolism Enzyme families	ko01000	Enzymes		leucyl phenylalanine tRNA protein transferase EC 2 3 2 6	Vapor Type	Nicotine free	3.44367289	0.90672915	0.00014592	0.001981017
Metabolism Enzyme families	ko01000	Enzymes		membrane bound tylic murein transglycosylase B EC 4 2 2	Vapor Type	Nicotine free	2.37368813	0.62666153	0.00015197	0.00205784
Metabolism Enzyme families	ko01000	Enzymes		heme oxygenase mycobilin producing EC 1 14 99 57	Vapor Type	Nicotine free	5.98781871	1.58460203	0.00015762	0.002130534
Metabolism Enzyme families	ko01000	Enzymes		deferoxalase peroxidase EfeB EC 1 11 1	Vapor Type	Nicotine plus	2.23715104	0.59213402	0.00015802	0.002135443
Metabolism Enzyme families	ko01000	Enzymes		putative tributyltin esterase EC 3 1 1	Vapor Type	Nicotine plus	2.43796712	0.64593743	0.00016045	0.002165575
Metabolism Enzyme families	ko01000	Enzymes		ferredoxin flavodoxin NADP reductase EC 1 18 1 2 1 19 1	Vapor Type	Nicotine plus	3.58744208	0.95075578	0.00016013	0.002173112
Metabolism Enzyme families	ko01000	Enzymes		cystathionine beta lyase EC 4 4 1 8	Biofilm type	Intermediate	-0.2582798	0.06857259	0.00016554	0.002229749
Metabolism Enzyme families	ko01000	Enzymes		lactate dehydrogenase EC 1 1 1 27	Vapor Type	Nicotine plus	1.8656952	0.4966811	0.00017242	0.002319487
Metabolism Enzyme families	ko01000	Enzymes		phosphatidylglycerol lysyltransferase EC 2 3 2 3	Vapor Type	Nicotine plus	5.97741092	1.59192658	0.00017346	0.002331112
Metabolism Enzyme families	ko01000	Enzymes		two component system sensor histidine kinase PtdAs EC 2 7	Biofilm type	Intermediate	-0.5793831	0.15500011	0.00018554	0.002489068
Metabolism Enzyme families	ko01000	Enzymes		ribitol 5 phosphate 2 dehydrogenase NADP EC 1 1 1 405	Vapor Type	Nicotine plus	1.68672231	0.45178247	0.00018885	0.002529002
Metabolism Enzyme families	ko01000	Enzymes		tryptophanase EC 4 1 99 1	Vapor Type	Nicotine plus	-2.2385342	0.6008202	0.0001947	0.002601451
Metabolism Enzyme families	ko01000	Enzymes		putative glycerol 1 phosphate prenyltransferase EC 2 5 1	Vapor Type	Nicotine plus	3.9087689	1.04995029	0.00019579	0.002614674
Metabolism Enzyme families	ko01000	Enzymes		histidine inase EC 2 7 13 3	Vapor Type	Nicotine plus	2.28866364	0.61570934	0.00020151	0.002683031
Metabolism Enzyme families	ko01000	Enzymes		membrane bound tylic murein transglycosylase A EC 4 2 2	Vapor Type	Nicotine plus	2.56309222	0.69079055	0.00020695	0.002752753
Metabolism Enzyme families	ko01000	Enzymes		5 formylglutathione hydrolase EC 3 1 2 12	Vapor Type	Nicotine free	2.34988999	0.63377801	0.00020911	0.002778624
Metabolism Enzyme families	ko01000	Enzymes		nicotinamide pyrazinamide EC 3 5 1 19 3 5 1	Vapor Type	Nicotine plus	3.52048941	0.95111955	0.0002144	0.002844006
Metabolism Enzyme families	ko01000	Enzymes		molybdopterin synthase catalytic subunit EC 2 8 1 12	Vapor Type	Nicotine plus	3.25128519	0.87872498	0.0002156	0.002859178
Metabolism Enzyme families	ko01000	Enzymes		uracil DNA glycosylase EC 3 2 2 27	Vapor Type	Nicotine free	3.1448549	0.85033281	0.00021698	0.00287662
Metabolism Enzyme families	ko01000	Enzymes		peptide deformylase EC 3 5 1 88	Vapor Type	Nicotine plus	2.0316408	0.26650006	0.00021702	0.00287662
Metabolism Enzyme families	ko0100									

Metabolism Enzyme families	ko01000	Enzymes		ribonucleoside triphosphate reductase formate EC 1 1 98	Vapor Type	Nicotine plus	2.33671304	0.65370092	0.00035078	0.00453238
Metabolism Enzyme families	ko01000	Enzymes		MoR lie ATPase EC 3 6 3	Vapor Type	Nicotine plus	2.31205023	0.64932448	0.00036987	0.004761727
Metabolism Enzyme families	ko01000	Enzymes		Na transporting NADH ubiquinone oxidoreductase subunit F	Vapor Type	Nicotine free	3.26908972	0.9183974	0.00037148	0.004781323
Metabolism Enzyme families	ko01000	Enzymes		amido hydrolase EC 3 5 1	Biofilm type	Intermediate	-1.2428911	0.34950117	0.00037628	0.004838431
Metabolism Enzyme families	ko01000	Enzymes		PTS system N acetylglucosamine specific IIB component	Biofilm type	Pathogen-rich	-2.7680924	0.78053238	0.00039051	0.005008141
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit 1 EC 1 6 5 3	Vapor Type	Nicotine free	3.53238128	0.99673792	0.00039419	0.005051723
Metabolism Enzyme families	ko01000	Enzymes		cardiolipin synthase A B EC 2 7 8	Vapor Type	Nicotine plus	1.98831682	0.56110056	0.0003947	0.005055818
Metabolism Enzyme families	ko01000	Enzymes		carboxypeptidase NAD Lysine forming EC 1 3	Vapor Type	Nicotine free	2.08902858	0.59031235	0.00040187	0.005135301
Metabolism Enzyme families	ko01000	Enzymes		acetoacetyl 2 6 dichlorophenylindophenol oxidoreductase subunit	Biofilm type	Intermediate	-0.8533576	0.2411778	0.00040273	0.005155042
Metabolism Enzyme families	ko01000	Enzymes		homocysteine S methyltransferase EC 2 1 1 10	Biofilm type	Intermediate	0.9832292	0.25602591	0.00040315	0.005198215
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit H EC 1 6 5 3	Vapor Type	Nicotine plus	2.95420902	0.83504673	0.00040351	0.005152568
Metabolism Enzyme families	ko01000	Enzymes		DNA polymerase IV EC 2 7 7 7	Vapor Type	Nicotine plus	1.45309793	0.41083923	0.00040485	0.005167198
Metabolism Enzyme families	ko01000	Enzymes		glutathione S transferase EC 2 5 1 18	Vapor Type	Nicotine free	1.69802158	0.48082299	0.00041323	0.005270306
Metabolism Enzyme families	ko01000	Enzymes		UDP 2 3 diacylglycerol kinase EC 3 6 1 54	Vapor Type	Nicotine free	2.61474735	0.74088833	0.00041671	0.005314257
Metabolism Enzyme families	ko01000	Enzymes		coproporphyrinogen III oxidase EC 1 3 3 3	Vapor Type	Nicotine free	3.44231345	0.9780453	0.00043222	0.005502067
Metabolism Enzyme families	ko01000	Enzymes		bis 5 nucleosyl tetraphosphatase symmetrical EC 3 6 1 4	Vapor Type	Nicotine free	2.77743685	0.79174317	0.00045149	0.005722677
Metabolism Enzyme families	ko01000	Enzymes		monofunctional glycosyltransferase EC 2 4 1 129	Vapor Type	Nicotine plus	3.96022419	1.12969534	0.00045563	0.005769946
Metabolism Enzyme families	ko01000	Enzymes		histidyl tRNA synthetase EC 6 1 1 21	Vapor Type	Nicotine plus	1.26894169	0.36208331	0.00045737	0.005790349
Metabolism Enzyme families	ko01000	Enzymes		23S rRNA uridine2552 2 O methyltransferase EC 2 1 1 166	Vapor Type	Nicotine free	3.28989466	0.93943741	0.00046181	0.005838795
Metabolism Enzyme families	ko01000	Enzymes		indole 3 glycerol phosphate synthase EC 4 1 1 48	Biofilm type	Intermediate	-0.2359391	0.06673746	0.00046185	0.005838795
Metabolism Enzyme families	ko01000	Enzymes		formyltetrahydrofolate deformylase EC 3 5 1 10	Vapor Type	Nicotine free	2.55490295	0.72970853	0.00046306	0.00585263
Metabolism Enzyme families	ko01000	Enzymes		electron transferring flavoprotein dehydrogenase EC 1 5 5 1	Vapor Type	Nicotine free	2.62995292	0.75136374	0.00046484	0.005871021
Metabolism Enzyme families	ko01000	Enzymes		two component system OmpR family sensor histidine kinase	Vapor Type	Nicotine free	1.99759417	0.57118554	0.00047147	0.005959052
Metabolism Enzyme families	ko01000	Enzymes		phenol hydroxylase P3 protein EC 1 14 13	Biofilm type	Pathogen-rich	2.29621722	0.65678271	0.00047213	0.005957411
Metabolism Enzyme families	ko01000	Enzymes		5 formylglutathione hydrolase EC 3 12 12	Vapor Type	Nicotine plus	2.231928136	0.63573233	0.00048139	0.00606642
Metabolism Enzyme families	ko01000	Enzymes		lactonase EC 3 1 1	Vapor Type	Nicotine plus	5.16950836	1.48299528	0.00049056	0.006173416
Metabolism Enzyme families	ko01000	Enzymes		5 deoxy glucuronate isomerase EC 5 3 1 30	Biofilm type	Intermediate	-3.8850603	1.11498177	0.00049321	0.006202909
Metabolism Enzyme families	ko01000	Enzymes		undecaprenyl diphosphate EC 3 6 1 27	Vapor Type	Nicotine plus	2.00840718	0.57656076	0.00049504	0.006222941
Metabolism Enzyme families	ko01000	Enzymes		NAD P H dehydrogenase quinone EC 1 6 5 2	Vapor Type	Nicotine plus	3.2814862	0.94277826	0.00050273	0.006284621
Metabolism Enzyme families	ko01000	Enzymes		electron transferring flavoprotein dehydrogenase EC 1 5 5 1	Vapor Type	Nicotine plus	2.6475757	0.75155831	0.00050309	0.006313673
Metabolism Enzyme families	ko01000	Enzymes		PPM family protein phosphatase EC 3 1 3 16	Vapor Type	Nicotine plus	2.71499474	0.62579714	0.00050597	0.006390298
Metabolism Enzyme families	ko01000	Enzymes		phosphatidylglycerophosphatase A EC 3 1 3 27	Vapor Type	Nicotine free	2.85106191	0.82108223	0.00051598	0.006461773
Metabolism Enzyme families	ko01000	Enzymes		enoyl acyl carrier protein reductase II EC 1 3 1 9	Vapor Type	Nicotine plus	2.20090286	0.63484275	0.00052656	0.006583995
Metabolism Enzyme families	ko01000	Enzymes		polyhydroxyalanate synthase EC 2 3 1	Vapor Type	Nicotine free	3.98909934	1.15118451	0.00052981	0.006621036
Metabolism Enzyme families	ko01000	Enzymes		2 3 cyclic nucleotide 2 phosphodiesterase 3 nucleotidase	Biofilm type	Intermediate	-1.6455002	0.47706716	0.00052625	0.006903033
Metabolism Enzyme families	ko01000	Enzymes		membrane bound lytic murein transglycosylase A EC 4 2 2	Biofilm type	Pathogen-rich	2.10841983	0.61239564	0.00055755	0.007138475
Metabolism Enzyme families	ko01000	Enzymes		streptothricin acetyltransferase EC 2 3	Vapor Type	Nicotine plus	2.85107426	0.82839492	0.00055781	0.007164073
Metabolism Enzyme families	ko01000	Enzymes		arsenite transporting ATPase EC 3 6 3 16	Vapor Type	Nicotine plus	5.3478761	1.55413366	0.00057943	0.007178817
Metabolism Enzyme families	ko01000	Enzymes	core	N acetylglucosamine malate deacetylase 2 EC 3 5 1	Vapor Type	Nicotine free	7.70164857	2.23866224	0.00058109	0.007196067
Metabolism Enzyme families	ko01000	Enzymes	core	putative glycerol 1 phosphate prenyltransferase EC 2 5 1	Biofilm type	Pathogen-rich	0.40459503	0.11773636	0.0005827	0.007214354
Metabolism Enzyme families	ko01000	Enzymes	core	acyl CoA dehydrogenase EC 1 3 8 7	Vapor Type	Nicotine free	3.96596085	1.15405954	0.00058922	0.007293309
Metabolism Enzyme families	ko01000	Enzymes		foldase protein PrsA EC 5 2 1 8	Vapor Type	Nicotine plus	2.18825258	0.63768035	0.00060007	0.007414501
Metabolism Enzyme families	ko01000	Enzymes		8 amino dGTP diphosphatase EC 3 6 1 55	Vapor Type	Nicotine plus	2.40912961	0.70205077	0.00060012	0.007414501
Metabolism Enzyme families	ko01000	Enzymes		2 oxo 4 epitenonate thiolase beta subunit EC 2 3 1 26	Biofilm type	Intermediate	-4.4090362	1.28731197	0.00061481	0.007576714
Metabolism Enzyme families	ko01000	Enzymes		citrate pro 35 lyase ligase EC 6 2 1 22	Biofilm type	Intermediate	-2.0513369	0.59934449	0.00062017	0.00763927
Metabolism Enzyme families	ko01000	Enzymes		two component system sensor histidine kinase PtdAS EC 2 7	Biofilm type	Pathogen-rich	-0.5277527	0.15413114	0.00062429	0.00768821
Metabolism Enzyme families	ko01000	Enzymes		Ca2 phosphatase ATPase EC 3 6 3 8	Vapor Type	Nicotine free	2.43258859	0.71282284	0.00064343	0.007907481
Metabolism Enzyme families	ko01000	Enzymes		phosphotriethanol acetyltransferase EC 2 3 1 183	Biofilm type	Intermediate	-0.3618107	0.10599984	0.00065592	0.008053545
Metabolism Enzyme families	ko01000	Enzymes		exoribonuclease II EC 3 1 13 1	Vapor Type	Nicotine plus	2.53966982	0.76187884	0.00067235	0.008243624
Metabolism Enzyme families	ko01000	Enzymes		aminotransferase EC 2 6 1	Biofilm type	Pathogen-rich	1.2638285	0.72481459	0.00067904	0.008314419
Metabolism Enzyme families	ko01000	Enzymes		PTS system N acetylglucosamine specific IIB component	Biofilm type	Intermediate	-3.0939872	0.91107024	0.0006838	0.008368902
Metabolism Enzyme families	ko01000	Enzymes		aspartate 1 decarboxylase EC 4 1 1 11	Biofilm type	Intermediate	-0.4040621	0.11903873	0.00068785	0.00841074
Metabolism Enzyme families	ko01000	Enzymes		L lactate dehydrogenase cytochrome EC 1 1 2 3	Vapor Type	Nicotine free	2.39955757	0.70727414	0.00069211	0.008458967
Metabolism Enzyme families	ko01000	Enzymes		two component system NarL family nitrate nitrite sensor H	Biofilm type	Pathogen-rich	1.95599699	0.57680284	0.00069613	0.008506079
Metabolism Enzyme families	ko01000	Enzymes		4 nitrophenyl phosphatase EC 3 1 3 41	Vapor Type	Nicotine free	2.25592193	0.66869009	0.0007418	0.009033132
Metabolism Enzyme families	ko01000	Enzymes		glutamyl endopeptidase EC 3 4 2 1 19	Biofilm type	Pathogen-rich	0.41679044	0.12372011	0.00075491	0.009184396
Metabolism Enzyme families	ko01000	Enzymes		peptide methionine R S oxidoreductase EC 1 8 4 12	Biofilm type	Intermediate	-0.6855662	0.20370057	0.00076389	0.009286786
Metabolism Enzyme families	ko01000	Enzymes	core	ferritin EC 1 16 3 2	Vapor Type	Nicotine plus	2.22300028	0.66429989	0.00081874	0.009913384
Metabolism Enzyme families	ko01000	Enzymes	core	glycerol 3 phosphate dehydrogenase NAD P EC 1 1 1 94	Vapor Type	Nicotine plus	1.91765265	0.57377929	0.00083134	0.010054549
Metabolism Enzyme families	ko01000	Enzymes		rRNA rRNA methyltransferase EC 2 1 1	Vapor Type	Nicotine free	3.15679948	0.94457526	0.00083168	0.010056352
Metabolism Enzyme families	ko01000	Enzymes		NADH quinone oxidoreductase subunit N EC 1 6 5 3	Vapor Type	Nicotine plus	2.71655252	0.81308973	0.0008347	0.010090586
Metabolism Enzyme families	ko01000	Enzymes		monofunctional glycosyltransferase EC 2 4 1 129	Biofilm type	Pathogen-rich	0.4286384	0.1286534	0.00083608	0.0104124
Metabolism Enzyme families	ko01000	Enzymes		ribonuclease Z EC 3 1 26 11	Vapor Type	Nicotine plus	1.62937484	0.48914452	0.00086513	0.010432404
Metabolism Enzyme families	ko01000	Enzymes		ribosomal protein L3 glutamine methyltransferase EC 2 1 1	Vapor Type	Nicotine free	2.43064081	0.72980362	0.00086692	0.010451693
Metabolism Enzyme families	ko01000	Enzymes		phosphoribosylformylglycinamide synthase EC 6 3 5 3	Vapor Type	Nicotine free	2.4774494	0.74474228	0.00087917	0.010587353
Metabolism Enzyme families	ko01000	Enzymes		phosphatidylglycerophosphatase A EC 3 1 3 27	Vapor Type	Nicotine plus	2.73485397	0.82292414	0.00088947	0.010701803
Metabolism Enzyme families	ko01000	Enzymes		beta glucosidase EC 3 2 1 21	Biofilm type	Intermediate	-4.1101146	1.23759816	0.00089682	0.010782907
Metabolism Enzyme families	ko01000	Enzymes		Type II restriction enzyme EC 3 1 21 4	Vapor Type	Nicotine free	2.59857203	0.78322523	0.00090735	0.010892246
Metabolism Enzyme families	ko01000	Enzymes		rhmannulose 1 phosphate aldolase EC 4 1 2 19	Biofilm type	Intermediate	-4.5344667	1.36776567	0.0009315	0.01093679
Metabolism Enzyme families	ko01000	Enzymes		transesterase EC 3 1 15	Biofilm type	Intermediate	-1.2463886	0.38836745	0.00093159	0.010486305
Metabolism Enzyme families	ko01000	Enzymes		citrate pro 35 lyase ligase EC 6 2 1 22	Biofilm type	Pathogen-rich	-1.6973355	0.51412441	0.000962	0.011509477
Metabolism Enzyme families	ko01000	Enzymes		dGTP deaminase EC 3 5 4 13	Vapor Type	Nicotine free	3.47383535	1.05327216	0.00097331	0.011639545
Metabolism Enzyme families	ko01000	Enzymes		NAD dependent decarboxylase EC 3 5 1	Vapor Type	Nicotine plus	1.61921336	0.4913936	0.00098371	0.011758615
Metabolism Enzyme families	ko01000	Enzymes		heme oxygenase mycobilin producing EC 1 14 99 57	Biofilm type	Pathogen-rich	0.6049857	0.18368498	0.00098912	0.011815304
Metabolism Enzyme families	ko01000	Enzymes		N carbamoylputrescine amidase EC 3 5 1 53	Vapor Type	Nicotine free	2.15512073	0.65454799	0.00099289	0.011857778
Metabolism Enzyme families	ko01000	Enzymes		L cysteine transport system ATP binding protein EC 3 6 3	Vapor Type	Nicotine free	2.39835325	0.72966605	0.0010129	0.012077766
Metabolism Enzyme families	ko01000	Enzymes		Na transporting NADH ubiquinone oxidoreductase subunit F	Vapor Type	Nicotine plus	3.0281707	0.92142046	0.00101471	0.012096666
Metabolism Enzyme families	ko01000	Enzymes		acyl CoA thioester hydrolase EC 3 1 2	Biofilm type	Intermediate	-0.3662638	0.11146306	0.00101633	0.012110579
Metabolism Enzyme families	ko01000	Enzymes		3 dehydroquininate synthase EC 4 2 3 4	Biofilm type	Intermediate	-0.6813334	0.20800008	0.00105423	0.012528544
Metabolism Enzyme families	ko01000	Enzymes		membrane bound lytic murein transglycosylase D EC 4 2 2	Vapor Type	Nicotine free	2.33955004	0.71276315	0.00105843	0.012575641
Metabolism Enzyme families	ko01000	Enzymes		beta glucuronidase EC 3 2 1 31	Vapor Type	Nicotine plus	1.44267863	0.44089343	0.00106725	0.01269175
Metabolism Enzyme families	ko01000	Enzymes		cytochrome c peroxidase EC 1 11 1 5	Vapor Type	Nicotine free	2.27864307	0.69797415	0.00109598	0.012975597
Metabolism Enzyme families	ko01000	Enzymes		membrane bound lytic murein transglycosylase B EC 4 2 2	Vapor Type	Nicotine plus	2.06339079	0.63268934	0.00110902	0.0131241
Metabolism Enzyme families	ko01000	Enzymes		glutamine synthetase adenylyltransferase EC 2 3 1 98 1	Vapor Type	Nicotine plus	2.18507747	0.6704552	0.00111768	0.01321779
Metabolism Enzyme families	ko01000	Enzymes		L ascorbate 6 phosphate lactonase EC 3 1 1	Biofilm type	Intermediate	-2.4804971	0.76175515	0.00112878	0.01328312
Metabolism Enzyme families	ko01000	Enzymes		oxaloacetate decarboxylase beta subunit EC 4 1 1 3	Biofilm type	Intermediate	-4.3128355	1.32560381	0.00113998	0.013454607
Metabolism Enzyme families	ko01000	Enzymes		ethylglyoxycylceramide EC 3 2 1 123	Vapor Type	Nicotine free	6.28230601	1.94011355	0.00120323	0.014141706
Metabolism Enzyme families	ko01000	Enzymes		23S rRNA uridine2552 2 O methyltransferase EC 2 1 1 166	Vapor Type	Nicotine plus	3.05121265	0.94315378	0.00121593	0.014278336
Metabolism Enzyme families	ko01000	Enzymes		glutathione S transferase EC 2 5 1 18	Vapor Type	Nicotine plus	1.55997257	0.48265333	0.00122884	0.014412108
Metabolism Enzyme families	ko01000	Enzymes		endonuclease EC 3 1 15	Biofilm type	Intermediate	-1.4463886	1.28917249	0.0012847	0.015177369
Metabolism Enzyme families										

Metabolism Enzyme families	ko01000	Enzymes	cobaltochelatase CobN EC 6 6 1 2	Biofilm type	Intermediate	-1.620795	0.52112512	0.00186971	0.021275965
Metabolism Enzyme families	ko01000	Enzymes	opine dehydrogenase EC 1 5 1 28	Vapor Type	Nicotine plus	5.4037905	1.73756744	0.00187103	0.021286513
Metabolism Enzyme families	ko01000	Enzymes	mercuric reductase EC 1 16 1 1	Vapor Type	Nicotine plus	1.70702096	0.55116514	0.00195437	0.022168332
Metabolism Enzyme families	ko01000	Enzymes	phosphatidate cytidyltransferase EC 2 7 7 41	Vapor Type	Nicotine plus	1.69664668	0.54859287	0.00198328	0.022453317
Metabolism Enzyme families	ko01000	Enzymes	UDP galactopyranose mutase EC 5 4 99 9	Vapor Type	Nicotine plus	2.11919817	0.6855433	0.00199304	0.022554175
Metabolism Enzyme families	ko01000	Enzymes	acyl CoA dehydrogenase EC 1 3 8 7	Vapor Type	Nicotine plus	3.5731199	1.1586158	0.00204268	0.023081671
Metabolism Enzyme families	ko01000	Enzymes	prephenate dehydrogenase EC 1 3 1 12	Vapor Type	Nicotine plus	1.44352751	0.46824397	0.00205026	0.023162434
Metabolism Enzyme families	ko01000	Enzymes	rhmannulose 1 phosphate aldolase EC 4 1 2 19	Biofilm type	Pathogen-rich	-3.3302703	1.08300642	0.00210486	0.023733976
Metabolism Enzyme families	ko01000	Enzymes	coproporphyrinogen III oxidase EC 1 3 3 3	Vapor Type	Nicotine plus	3.02504261	0.98437888	0.00213583	0.023871351
Metabolism Enzyme families	ko01000	Enzymes	carboxic anhydrase EC 4 2 1 1	Biofilm type	Pathogen-rich	2.79502035	0.91063131	0.00214556	0.024146983
Metabolism Enzyme families	ko01000	Enzymes	glutylidyl 3 phosphate cytidyltransferase EC 2 7 7 39	Biofilm type	Pathogen-rich	0.48688846	1.14971127	0.0021853	0.024537219
Metabolism Enzyme families	ko01000	Enzymes	glutamyl Q RNA Asp synthetase EC 6 1 1	Vapor Type	Nicotine free	2.4469584	0.86562649	0.00222929	0.024994308
Metabolism Enzyme families	ko01000	Enzymes	UDP N acetylmuramate L alanyl gamma D glutamyl meso D	Vapor Type	Nicotine free	2.41238361	0.79021913	0.00226714	0.025397352
Metabolism Enzyme families	ko01000	Enzymes	pyruvate orthophosphate diinase EC 2 7 9 1	Biofilm type	Intermediate	-0.9748502	0.31938227	0.00227096	0.025424023
Metabolism Enzyme families	ko01000	Enzymes	phosphomevalonate inase EC 2 7 4 2	Vapor Type	Nicotine plus	1.94625554	0.63928565	0.00233128	0.026066481
Metabolism Enzyme families	ko01000	Enzymes	beta glucosidase EC 3 2 1 21	Vapor Type	Nicotine plus	1.68981634	0.55558615	0.00235401	0.026304134
Metabolism Enzyme families	ko01000	Enzymes	citrate synthase EC 2 3 3 1	Biofilm type	Intermediate	-0.874685	0.28826585	0.00236196	0.026381922
Metabolism Enzyme families	ko01000	Enzymes	hydroflavonol 4 reductase EC 1 1 1 219	Vapor Type	Nicotine plus	1.96280033	0.64677841	0.00240748	0.0268622
Metabolism Enzyme families	ko01000	Enzymes	medium chain acyl acyl carrier protein hydrolase EC 3 1 2	Vapor Type	Nicotine plus	2.01962847	0.66586576	0.00242066	0.026997976
Metabolism Enzyme families	ko01000	Enzymes	N acetyl gamma glutamyl phosphate reductase EC 1 2 1 38	Biofilm type	Intermediate	-0.7306464	0.24103678	0.00243537	0.027144467
Metabolism Enzyme families	ko01000	Enzymes	NAD P H dehydrogenase quinone EC 1 6 5 2	Vapor Type	Nicotine plus	2.87382272	0.94914916	0.00246351	0.027422616
Metabolism Enzyme families	ko01000	Enzymes	protein PII uridylyltransferase EC 2 7 7 59	Vapor Type	Nicotine plus	1.51626316	0.50078086	0.00246433	0.027422616
Metabolism Enzyme families	ko01000	Enzymes	cytochrome c peroxidase EC 1 1 1 1 5	Vapor Type	Nicotine plus	2.12271748	0.70121619	0.00246835	0.027466691
Metabolism Enzyme families	ko01000	Enzymes	Na transporting NADH ubiquinone oxidoreductase subunit F	Vapor Type	Nicotine free	3.16982861	1.05029805	0.00254426	0.028258207
Metabolism Enzyme families	ko01000	Enzymes	D alanyl D alanine dipeptidase EC 3 4 1 3	Vapor Type	Nicotine plus	2.04916911	0.68065109	0.00273751	0.0302916341
Metabolism Enzyme families	ko01000	Enzymes	Na transporting NADH ubiquinone oxidoreductase subunit E	Biofilm type	Pathogen-rich	2.11458362	0.70585598	0.00273751	0.030297309
Metabolism Enzyme families	ko01000	Enzymes	L ascorbate 6 phosphate lactonase EC 3 1 1	Biofilm type	Pathogen-rich	-1.4614051	0.48794664	0.00274436	0.030360409
Metabolism Enzyme families	ko01000	Enzymes	alanyl tRNA synthetase EC 6 1 1 7	Vapor Type	Nicotine plus	1.86564717	0.62529606	0.00274618	0.030368072
Metabolism Enzyme families	ko01000	Enzymes	nitrite reductase NADH small subunit EC 1 7 1 15	Vapor Type	Nicotine plus	2.35887498	0.79112633	0.00275782	0.03048081
Metabolism Enzyme families	ko01000	Enzymes	tRNA tRNA methyltransferase EC 2 1 1	Vapor Type	Nicotine plus	2.8407247	0.94959737	0.00277606	0.030641287
Metabolism Enzyme families	ko01000	Enzymes	sugar phosphatase EC 3 1 3 23	Biofilm type	Intermediate	2.1685580	0.72590558	0.00281698	0.031054433
Metabolism Enzyme families	ko01000	Enzymes	Na transporting NADH ubiquinone oxidoreductase subunit A	Biofilm type	Pathogen-rich	2.12629602	0.71249294	0.00284224	0.031312555
Metabolism Enzyme families	ko01000	Enzymes	L lactate dehydrogenase cytochrome EC 1 1 2 3	Vapor Type	Nicotine plus	2.12340403	0.7125748	0.00283839	0.031747101
Metabolism Enzyme families	ko01000	Enzymes	sucrose phosphorylase EC 2 4 1 7	Vapor Type	Nicotine free	2.14067368	0.71922744	0.002917	0.032084023
Metabolism Enzyme families	ko01000	Enzymes	XTF dTP diphosphohydrolase EC 3 6 1 66	Vapor Type	Nicotine plus	1.91913029	0.64555046	0.0029504	0.032431147
Metabolism Enzyme families	ko01000	Enzymes	pineloyl acyl carrier protein methyl ester esterase EC 3 1	Vapor Type	Nicotine free	3.15201959	1.06086092	0.00296648	0.032574452
Metabolism Enzyme families	ko01000	Enzymes	euryarctic le serine threonine protein inase EC 2 7 1 11	Vapor Type	Nicotine plus	2.02129507	0.6813869	0.00301267	0.033061197
Metabolism Enzyme families	ko01000	Enzymes	ATP binding cassette subfamily C bacterial competence factor	Vapor Type	Nicotine plus	2.23967404	0.75583728	0.00304489	0.033401038
Metabolism Enzyme families	ko01000	Enzymes	glutamyl Q RNA Asp synthetase EC 6 1 1	Vapor Type	Nicotine plus	2.5688477	0.86752577	0.00306523	0.033603412
Metabolism Enzyme families	ko01000	Enzymes	GTP cyclohydrolase IB EC 3 5 4 16	Vapor Type	Nicotine plus	5.79681801	1.95809025	0.00307195	0.033663292
Metabolism Enzyme families	ko01000	Enzymes	23S rRNA pseudouridine2457 synthase EC 5 4 99 20	Vapor Type	Nicotine free	2.65489088	0.89951289	0.00316259	0.034606725
Metabolism Enzyme families	ko01000	Enzymes	cobalt precorrin 7 CS methyltransferase EC 2 1 1 289	Intermediate	Intermediate	-0.5671904	0.19233873	0.00318893	0.03485914
Metabolism Enzyme families	ko01000	Enzymes	geranylgeranyl diphosphate synthase type I EC 2 5 1 1 2 5	Biofilm type	Intermediate	-4.3913702	1.49368052	0.00328248	0.035801066
Metabolism Enzyme families	ko01000	Enzymes	anaerobic ribonucleoside triphosphate reductase activating	Vapor Type	Nicotine plus	1.91503722	0.65209664	0.00331684	0.036138824
Metabolism Enzyme families	ko01000	Enzymes	cytochrome c peroxidase EC 1 1 1 1 5	Biofilm type	Pathogen-rich	1.85872016	0.63330403	0.00335958	0.036332511
Metabolism Enzyme families	ko01000	Enzymes	exoribonuclease II EC 3 1 13 1	Biofilm type	Pathogen-rich	2.00209766	0.68271401	0.00336183	0.036591682
Metabolism Enzyme families	ko01000	Enzymes	Mg2+ importing ATPase EC 3 6 3 2	Vapor Type	Nicotine plus	1.79313815	0.61210364	0.00339543	0.036904573
Metabolism Enzyme families	ko01000	Enzymes	ribonuclease III family protein EC 3 1 26	Biofilm type	Pathogen-rich	-0.1896718	0.06476526	0.00340488	0.036992272
Metabolism Enzyme families	ko01000	Enzymes	4 hydroxy 3 polyprenylbenzoate decarboxylase EC 4 1 1 98	Biofilm type	Pathogen-rich	1.76794648	0.60406035	0.00342456	0.037176838
Metabolism Enzyme families	ko01000	Enzymes	amidohydrolase EC 3 5 1	Biofilm type	Pathogen-rich	2.9506917	1.44073372	0.00343751	0.037708016
Metabolism Enzyme families	ko01000	Enzymes	sugar phosphatase EC 3 1 3 23	Biofilm type	Pathogen-rich	-1.8132774	0.61210262	0.00350217	0.037964194
Metabolism Enzyme families	ko01000	Enzymes	PTS system fructose specific IIA component EC 2 7 1 202	Biofilm type	Pathogen-rich	-2.3146468	0.79291251	0.00351001	0.03804143
Metabolism Enzyme families	ko01000	Enzymes	S formylglutathione hydrolase EC 3 1 2 12	Biofilm type	Pathogen-rich	1.66585026	0.5713639	0.00355042	0.038401277
Metabolism Enzyme families	ko01000	Enzymes	polyhydroxyalanoate synthase EC 2 3 1	Vapor Type	Nicotine plus	3.37551566	1.15939751	0.00359768	0.038857234
Metabolism Enzyme families	ko01000	Enzymes	ribosomal protein L3 glutamine methyltransferase EC 2 1 1	Biofilm type	Pathogen-rich	1.85743467	0.63844136	0.00362208	0.039104949
Metabolism Enzyme families	ko01000	Enzymes	DNA polymerase bacteriophage type EC 2 7 7 7	Biofilm type	Intermediate	-5.2003994	1.78828019	0.00363696	0.039249708
Metabolism Enzyme families	ko01000	Enzymes	deoxyadenosine deoxycytidine inase EC 2 7 1 76 2 7 1 4	Vapor Type	Nicotine free	7.99502344	2.74165241	0.00373279	0.040218806
Metabolism Enzyme families	ko01000	Enzymes	pineloyl acyl carrier protein methyl ester esterase EC 3 1	Vapor Type	Nicotine plus	3.07907563	1.06212701	0.00374389	0.040313956
Metabolism Enzyme families	ko01000	Enzymes	2 3 dieto D glucose reductase A EC 1 1 1 346	Vapor Type	Nicotine free	2.30771171	0.79782555	0.00382187	0.041103819
Metabolism Enzyme families	ko01000	Enzymes	3 hydroxy acyl dehydrogenase malonic semialdehyde reduct	Vapor Type	Nicotine free	3.0237234	1.04574239	0.00383455	0.041227539
Metabolism Enzyme families	ko01000	Enzymes	3 deoxy 7 phosphophenylacetate synthase EC 2 5 1 54	Vapor Type	Nicotine plus	4.59828304	1.59056506	0.00384049	0.041278607
Metabolism Enzyme families	ko01000	Enzymes	precorrin 6A cobalt precorrin 6A reductase EC 1 3 1 54 1 3 1	Biofilm type	Intermediate	-0.5881276	0.20381624	0.00390696	0.041909053
Metabolism Enzyme families	ko01000	Enzymes	hydroxymethylpyrimidine phosphomethylpyrimidine inase E	Vapor Type	Nicotine plus	1.50510967	0.52159117	0.00390654	0.041909053
Metabolism Enzyme families	ko01000	Enzymes	NADH quinone oxidoreductase subunit J EC 1 6 5 3	Vapor Type	Nicotine plus	3.56356675	1.23529279	0.00391668	0.042004872
Metabolism Enzyme families	ko01000	Enzymes	inorganic pyrophosphatase EC 3 6 1 1	Vapor Type	Nicotine plus	2.13476623	0.74017854	0.00392505	0.042077666
Metabolism Enzyme families	ko01000	Enzymes	penicillin amidase EC 3 5 1 11	Vapor Type	Nicotine free	2.79049299	0.96796107	0.00394087	0.042320257
Metabolism Enzyme families	ko01000	Enzymes	N acetylglucosamine 6 phosphate deacetylase EC 3 5 1 25	Vapor Type	Nicotine plus	1.65915356	0.57564612	0.00394852	0.042337226
Metabolism Enzyme families	ko01000	Enzymes	prephenate dehydratase EC 4 2 1 51	Vapor Type	Nicotine plus	1.88267431	0.65357535	0.00396948	0.042519732
Metabolism Enzyme families	ko01000	Enzymes	metallothiol transferase EC 2 5 1	Biofilm type	Pathogen-rich	0.37221018	0.12590461	0.00399593	0.042881336
Metabolism Enzyme families	ko01000	Enzymes	NAD P transhydrogenase subunit beta EC 1 6 1 2	Vapor Type	Nicotine plus	2.30207078	0.30305233	0.00407782	0.043041285
Metabolism Enzyme families	ko01000	Enzymes	N acetyl anhydromuramoyl L alanine amidase EC 3 5 1 28	Vapor Type	Nicotine free	2.36845561	0.82416234	0.004056	0.043344798
Metabolism Enzyme families	ko01000	Enzymes	diadenylate cyclase EC 2 7 7 85	Vapor Type	Nicotine plus	1.98372341	0.69032937	0.00405836	0.043358547
Metabolism Enzyme families	ko01000	Enzymes	succinyl diammoniomelate desuccinylase EC 3 5 1 18	Vapor Type	Nicotine plus	1.78636249	0.62171144	0.0040621	0.043389861
Metabolism Enzyme families	ko01000	Enzymes	2 3 deoxy 7 6 hydroxyphenyl methylase 3 demethylubiquin	Vapor Type	Nicotine free	2.17702825	0.75815623	0.00408558	0.043579561
Metabolism Enzyme families	ko01000	Enzymes	heptosyltransferase III EC 2 4	Biofilm type	Pathogen-rich	2.14395932	0.74801521	0.00415435	0.044198106
Metabolism Enzyme families	ko01000	Enzymes	dCTP deaminase EC 3 5 4 13	Biofilm type	Pathogen-rich	1.82007775	0.63641576	0.00423791	0.045015206
Metabolism Enzyme families	ko01000	Enzymes	3 deoxy 7 phosphophenylacetate synthase EC 2 5 1 54	Vapor Type	Nicotine plus	1.58722442	0.55520404	0.0042523	0.045141061
Metabolism Enzyme families	ko01000	Enzymes	23S rRNA pseudouridine2457 synthase EC 5 4 99 20	Vapor Type	Nicotine plus	2.57279632	0.9013458	0.0043119	0.045710059
Metabolism Enzyme families	ko01000	Enzymes	membrane bound lytic murein transglycosylase D EC 4 2 2	Vapor Type	Nicotine plus	2.04224745	0.71583801	0.00433159	0.045909719
Metabolism Enzyme families	ko01000	Enzymes	metallothiol transferase EC 2 5 1	Vapor Type	Nicotine free	7.8180694	2.74172098	0.00435109	0.046079708
Metabolism Enzyme families	ko01000	Enzymes	5 methyltetrahydrofolate homocysteine methyltransferase	Biofilm type	Intermediate	-1.3099064	0.46042024	0.00443927	0.046911119
Metabolism Enzyme families	ko01000	Enzymes	adenosylcobinamide GDP ribazoletransferase EC 2 7 8 26	Biofilm type	Pathogen-rich	-0.4721229	0.16621049	0.00450412	0.047474022
Metabolism Enzyme families	ko01000	Enzymes	epoxyquosone reductase EC 1 17 99 6	Vapor Type	Nicotine plus	1.56147752	0.54989016	0.00451677	0.047560358
Metabolism Enzyme families	ko01000	Enzymes	beta glucosidase EC 3 2 1 21	Vapor Type	Nicotine free	1.58938823	0.56013963	0.00454704	0.047850703
Metabolism Enzyme families	ko01000	Enzymes	uracil DNA glycosylase EC 3 2 2 27	Vapor Type	Nicotine plus	2.44055239	0.86048831	0.0045468	0.048009153
Metabolism Enzyme families	ko01000	Enzymes	mannosyl glycoprotein endo beta N acetylglucosaminidase	Vapor Type	Nicotine free	2.15430207	0.75966532	0.00457029	0.048057491
Metabolism Enzyme families	ko01000	Enzymes	O acetylhomoserine thiol lyase EC 2 5 1 49	Biofilm type	Pathogen-rich	-0.158625	0.05593893	0.0045728	0.048064872
Metabolism Enzyme families	ko01000	Enzymes	peptide methionine sulfoxide reductase msrA msrB EC 1 8	Vapor Type	Nicotine free	2.15218438	0.75966532	0.00461023	0.048448761
Metabolism Enzyme families	ko01000	Enzymes	endoglucanase EC 3 2 1 4	Biofilm type	Intermediate	-4.3055705	1.6882362	0.00465855	0.048893136
Metabolism Enzyme families	ko01000	Enzymes	glycine C acetyltransferase EC 3 2 1 29	Biofilm type	Intermediate	0.85716238	0.30305233	0.00467782	0.049060923
Metabolism Enzyme families	ko01002	Peptidases	Na transporting NADH ubiquinone oxidoreductase subunit E	Vapor Type	Nicotine free	5.05034896	1.78796979	0.00473356	0.049598165
Metabolism Enzyme families	ko01002	Peptidases	putative protease EC 3 4	Vapor Type	Nicotine free	3.84772807	0.16024746	3.04E-127	3.12E-124
Metabolism Enzyme families	ko01002	Peptidases	putative protease EC 3 4	Vapor Type	Nicotine plus	2.87470793			

Metabolism Enzyme families	ko01002	Peptidases	zinc metalloprotease ZmpB EC 3 4 2 24	Vapor Type	Nicotine plus	3.34494138	0.6524001	2.94E-07	5.45E-06
Metabolism Enzyme families	ko01002	Peptidases	rhomoid protease GluP EC 3 4 2 1 105	Vapor Type	Nicotine plus	3.74605681	0.76256011	8.99E-07	1.58E-05
Metabolism Enzyme families	ko01002	Peptidases	staphopain A EC 3 4 2 2 48	Vapor Type	Nicotine plus	3.99475238	0.83786	1.86E-06	3.17E-05
Metabolism Enzyme families	ko01002	Peptidases	zinc protease EC 3 4 2 4	Vapor Type	Nicotine plus	2.97830976	0.62774068	2.09E-06	3.53E-05
Metabolism Enzyme families	ko01002	Peptidases	putative serine protease PepD EC 3 4 2 1	Biofilm type	Intermediate	-3.3409041	0.71825386	3.30E-06	5.43E-05
Metabolism Enzyme families	ko01002	Peptidases	oligopeptidase A EC 3 4 2 4 24	Vapor Type	Nicotine free	2.53424122	0.57603526	1.09E-05	0.000168381
Metabolism Enzyme families	ko01002	Peptidases	oligopeptidase F EC 3 4 2 4	Vapor Type	Nicotine free	3.15919339	0.76943749	4.03E-05	0.00087892
Metabolism Enzyme families	ko01002	Peptidases	ATP dependent HsIV protease peptidase subunit HsIV EC	Vapor Type	Nicotine plus	2.60013523	0.63482893	4.21E-05	0.000612469
Metabolism Enzyme families	ko01002	Peptidases	beta aspartyl peptidase threonine type EC 3 4 1 9 5	Vapor Type	Nicotine free	2.54367408	0.62876148	5.04E-05	0.00759572
Metabolism Enzyme families	ko01002	Peptidases	regulator of sigma E protease EC 3 4 2 4	Vapor Type	Nicotine free	2.64844138	0.65684948	4.49E-05	0.00078542
Metabolism Enzyme families	ko01002	Peptidases	putative glutamine amidotransferase	Vapor Type	Nicotine plus	2.56990381	0.63847995	5.70E-05	0.000813997
Metabolism Enzyme families	ko01002	Peptidases	beta aspartyl peptidase threonine type EC 3 4 1 9 5	Biofilm type	Pathogen-rich	-2.1755446	0.54741106	7.06E-05	0.000970889
Metabolism Enzyme families	ko01002	Peptidases	beta aspartyl peptidase threonine type EC 3 4 1 9 5	Biofilm type	Intermediate	-2.7037229	0.69767509	0.00010648	0.001468725
Metabolism Enzyme families	ko01002	Peptidases	oligopeptidase A EC 3 4 2 4 70	Vapor Type	Nicotine plus	2.12623182	0.58078661	0.00025128	0.00330608
Metabolism Enzyme families	ko01002	Peptidases	putative protease EC 3 4	Biofilm type	Intermediate	-0.4513785	0.12859297	0.00044788	0.005685116
Metabolism Enzyme families	ko01002	Peptidases	protease I EC 3 5 1 124	Vapor Type	Nicotine plus	2.19376262	0.65853426	0.00086447	0.010426876
Metabolism Enzyme families	ko01002	Peptidases	serine type D Ala D Ala endopeptidase penicillin binding pro	Vapor Type	Nicotine free	2.89844675	0.87633425	0.00094144	0.011276099
Metabolism Enzyme families	ko01002	Peptidases	Tld protein	Vapor Type	Nicotine free	2.64521883	0.80414546	0.00100373	0.011973833
Metabolism Enzyme families	ko01002	Peptidases	rhomoid protease GluP EC 3 4 2 1 105	Biofilm type	Intermediate	-0.8278442	0.26059367	0.00148929	0.017219045
Metabolism Enzyme families	ko01002	Peptidases	protease I EC 3 5 1 124	Biofilm type	Intermediate	-0.6520693	0.20601103	0.00154968	0.017863041
Metabolism Enzyme families	ko01002	Peptidases	biofins type	Biofilm type	Pathogen-rich	2.16395269	0.70583403	0.00217082	0.024389993
Metabolism Enzyme families	ko01002	Peptidases	proline iminopeptidase EC 3 4 1 1 5	Vapor Type	Nicotine free	1.38736016	0.45800593	0.00228107	0.025526533
Metabolism Enzyme families	ko01002	Peptidases	methicillin resistance protein	Biofilm type	Intermediate	0.44377181	0.1484433	0.00279431	0.030829939
Metabolism Enzyme families	ko01002	Peptidases	proline iminopeptidase EC 3 4 1 1 5	Biofilm type	Intermediate	-1.3359144	0.4545572	0.00329341	0.035890939
Metabolism Enzyme families	ko01002	Peptidases	aminopeptidase N EC 3 4 1 1 2	Biofilm type	Intermediate	-2.2419397	0.76550161	0.00340361	0.040585995
Metabolism Enzyme families	ko01002	Peptidases	oligopeptidase A EC 3 4 2 4 70	Biofilm type	Pathogen-rich	1.54042798	0.52861434	0.00356731	0.03856832
Metabolism Enzyme families	ko01002	Peptidases	serine type D Ala D Ala endopeptidase penicillin binding pro	Vapor Type	Nicotine plus	2.55835161	0.88290682	0.00375974	0.040468298
Metabolism Enzyme families	ko01002	Peptidases	Tld protein	Vapor Type	Nicotine plus	2.30816191	0.81108963	0.00443063	0.046825102
Metabolism Enzyme families	ko01001	Protein kinases	two component system NarL family sensor histidine inase	Biofilm type	Pathogen-rich	2.1738523	0.76543924	0.00150942	0.00747652
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine free	1.56364899	0.11844488	4.52E-10	1.17E-08
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine free	6.48209205	1.04559573	5.67E-10	1.40E-08
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine free	3.52978379	0.57027332	6.03E-10	1.48E-08
Metabolism Enzyme families	ko01001	Protein kinases	tyrosine protein inase Et Wzc EC 2 7 1 0	Vapor Type	Nicotine free	3.13329344	0.64015266	9.85E-07	1.72E-05
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine free	6.59342841	1.37152622	1.53E-06	2.62E-05
Metabolism Enzyme families	ko01001	Protein kinases	tyrosine protein inase Et Wzc EC 2 7 1 0	Vapor Type	Nicotine plus	2.81991601	0.64263187	1.14E-05	0.00017687
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine plus	4.56929089	1.05019729	1.36E-05	0.000208312
Metabolism Enzyme families	ko01001	Protein kinases	two component system NarL family sensor histidine inase	Vapor Type	Nicotine plus	4.57111174	1.12350597	4.73E-05	0.0006831
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor inase EC 2 7	Vapor Type	Nicotine free	3.16831193	0.80747567	8.72E-05	0.001217151
Metabolism Enzyme families	ko01001	Protein kinases	two component system NarL family vancomycin resistance	Biofilm type	Pathogen-rich	0.4312895	0.11230768	0.00012291	0.001682299
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Biofilm type	Pathogen-rich	0.4389713	0.11602075	0.00015489	0.002096363
Metabolism Enzyme families	ko01001	Protein kinases	two component system NarL family vancomycin resistance	Vapor Type	Nicotine free	7.28559618	1.3896441	0.00017164	0.002309579
Metabolism Enzyme families	ko01001	Protein kinases	two component system sensor histidine inase YesM EC 2 7	Vapor Type	Nicotine free	2.7274151	0.74158507	0.00023524	0.003104972
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Biofilm type	Pathogen-rich	0.33009416	0.08987723	0.00023998	0.003165214
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor inase EC 2 7	Vapor Type	Nicotine plus	2.89964636	0.81080288	0.00034854	0.004505636
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine plus	2.04274634	0.57274751	0.00036168	0.004646204
Metabolism Enzyme families	ko01001	Protein kinases	tyrosine protein inase Et Wzc EC 2 7 1 0	Biofilm type	Pathogen-rich	1.9767821	0.59590371	0.00041067	0.005239013
Metabolism Enzyme families	ko01001	Protein kinases	two component system NtrC family C4 dicarboxylate trans	Vapor Type	Nicotine free	1.83059746	0.54468796	0.00077712	0.009439447
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor histidine inas	Vapor Type	Nicotine plus	4.53891377	1.37789101	0.00088737	0.011799699
Metabolism Enzyme families	ko01001	Protein kinases	two component system OmpR family sensor inase EC 2 7	Biofilm type	Pathogen-rich	1.99115109	0.6363175	0.00152326	0.02024354
Metabolism Enzyme families	ko01001	Protein kinases	serine threonine protein inase HpaK EC 2 7 1 1 1	Biofilm type	Pathogen-rich	1.53634899	0.48041613	0.0018731	0.021307926
Metabolism Enzyme families	ko01001	Protein kinases	serine threonine protein inase HpaK EC 2 7 1 1 1	Biofilm type	Intermediate	-1.8412434	0.64159563	0.00410747	0.043777991
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	phosphorylated CTD interacting factor 1	Vapor Type	Nicotine plus	-1.8089843	0.63274534	0.00425052	0.045132403
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	phosphorylated CTD interacting factor 1	Vapor Type	Nicotine free	3.77385101	0.33215927	6.50E-30	8.25E-28
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	phosphoserine phosphatase EC 3 1 3 3	Vapor Type	Nicotine free	3.79943631	0.33295062	5.88E-27	6.18E-25
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	CUB and sushi domain containing protein	Vapor Type	Nicotine plus	2.70901394	0.452168	2.08E-09	4.88E-08
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	phosphoserine phosphatase EC 3 1 3 3	Vapor Type	Nicotine plus	3.609813	0.89108828	5.10E-05	0.000733787
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	CUB and sushi domain containing protein	Vapor Type	Nicotine plus	1.64445722	0.4564268	0.00031469	0.004092946
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	CUB and sushi domain containing protein	Vapor Type	Nicotine free	2.77781366	0.90511187	0.00214756	0.02416441
Metabolism Enzyme families	ko01009	Protein phosphatase and associated proteins	CUB and sushi domain containing protein	Biofilm type	Intermediate	1.15988749	0.40684306	0.000435894	0.046153689
Metabolism Glycan biosynthesis and metabolism	ko00536	Glycosaminoglycan binding proteins	fibroblast growth factor	Vapor Type	Nicotine plus	3.75639474	0.52831384	1.16E-12	3.75E-11
Metabolism Glycan biosynthesis and metabolism	ko00536	Glycosaminoglycan binding proteins	fibroblast growth factor	Vapor Type	Nicotine free	3.47373941	0.53028044	5.72E-11	1.55E-09
Metabolism Glycan biosynthesis and metabolism	ko00531	Glycosaminoglycan degradation	hexosaminidase EC 3 2 1 52	Vapor Type	Nicotine free	2.50234649	0.8362213	0.00276752	0.030559688
Metabolism Glycan biosynthesis and metabolism	ko00537	Glycosylphosphatidylinositol GPI anchored protein	membrane dipeptidase EC 3 4 1 319	Vapor Type	Nicotine free	4.1358613	0.4767384	4.28E-14	1.62E-12
Metabolism Glycan biosynthesis and metabolism	ko00537	Glycosylphosphatidylinositol GPI anchored protein	alaline phosphatase EC 3 1 3 1	Vapor Type	Nicotine free	3.92806275	0.5300447	1.26E-13	4.50E-12
Metabolism Glycan biosynthesis and metabolism	ko00537	Glycosylphosphatidylinositol GPI anchored protein	membrane dipeptidase EC 3 4 1 319	Vapor Type	Nicotine plus	3.45910037	0.5504061	3.29E-10	8.23E-09
Metabolism Glycan biosynthesis and metabolism	ko00537	Glycosylphosphatidylinositol GPI anchored protein	alaline phosphatase EC 3 1 3 1	Vapor Type	Nicotine plus	1.58095921	0.53840451	0.00032075	0.036174006
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	N acetylglucosaminylphosphoundecaprenol N acetyl beta	Vapor Type	Nicotine free	5.17275551	0.46801371	2.13E-28	2.47E-26
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	1 2 diacylglycerol 3 alpha glycosyltransferase EC 2 4 1 337	Vapor Type	Nicotine free	1.90898794	0.69931231	1.38E-165	1.93E-162
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	1 2 diacylglycerol 3 alpha glycosyltransferase EC 2 4 1 337	Vapor Type	Nicotine plus	0.98279794	0.7578882	1.87E-38	3.72E-36
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	1 2 diacylglycerol 3 alpha glycosyltransferase EC 2 4 1 337	Vapor Type	Nicotine free	3.46068972	0.48941613	1.84E-21	1.36E-19
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	rhannosyltransferase EC 2 4 1	Biofilm type	Nicotine plus	3.94610369	0.49040659	8.51E-16	3.87E-14
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	1 2 diacylglycerol 3 alpha glycosyltransferase EC 2 4 1 337	Biofilm type	Pathogen-rich	-0.3787491	0.04876438	0.04E-15	3.28E-13
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	N acetylglucosaminylphosphoundecaprenol N acetyl beta	Vapor Type	Nicotine plus	3.62843552	0.47284918	1.67E-14	6.59E-13
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	1 2 diacylglycerol 3 alpha glycosyltransferase EC 2 4 1 337	Biofilm type	Intermediate	-0.3404943	0.04821825	1.65E-12	5.22E-11
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	trehalose 6 phosphate synthase EC 2 4 1 15	Biofilm type	Pathogen-rich	-2.5185495	0.38295966	4.82E-11	1.31E-09
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	alpha 1 6 mannosyltransferase EC 2 4 1	Biofilm type	Pathogen-rich	-2.3724792	0.36901503	1.28E-10	3.35E-09
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	trehalose 6 phosphate synthase EC 2 4 1 15	Biofilm type	Intermediate	-3.3242134	0.56060147	3.03E-09	6.98E-08
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	trehalose 6 phosphate synthase EC 2 4 1 15	Vapor Type	Nicotine free	3.47638611	0.58672753	3.12E-09	7.18E-08
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	alpha 1 6 mannosyltransferase EC 2 4 1	Biofilm type	Intermediate	-3.5768866	0.65338415	4.39E-08	8.94E-07
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	dolichol phosphate mannosyltransferase EC 2 4 1 83	Biofilm type	Pathogen-rich	-2.5675063	0.59798031	1.76E-05	0.000266826
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	dolichol phosphate mannosyltransferase EC 2 4 1 83	Vapor Type	Nicotine free	2.70447688	0.63321516	1.95E-05	0.000293281
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	penicillin binding protein 1B	Vapor Type	Nicotine free	3.16939807	0.75855091	2.94E-05	0.000435191
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	dolichol phosphate mannosyltransferase EC 2 4 1 83	Biofilm type	Intermediate	-3.1849733	0.80073815	6.96E-05	0.00084123
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	starch synthase EC 2 4 1 21	Vapor Type	Nicotine free	2.14809729	0.60178886	0.00035764	0.004613186
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	N acetylglucosaminylphosphoundecaprenol N acetyl beta	Biofilm type	Intermediate	-0.2913303	0.0818521	0.00032732	0.004791035
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	heptose III glucuronosyltransferase EC 2 4 1	Vapor Type	Nicotine free	2.61343359	0.80583401	0.0011822	0.013915921
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	heptose III glucuronosyltransferase EC 2 4 1	Vapor Type	Nicotine plus	2.51493085	0.80774538	0.0018487	0.02104144
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	heptose III glucuronosyltransferase EC 2 4 1	Biofilm type	Pathogen-rich	1.93804025	0.66844724	0.00373977	0.040277691
Metabolism Glycan biosynthesis and metabolism	ko01003	Glycosyltransferases	penicillin binding protein 1B	Vapor Type	Nicotine plus	2.1755452	0.75884966	0.00445459	0.044130245
Metabolism Glycan biosynthesis and metabolism	ko00540	Uropolysaccharide biosynthesis	3 deoxy D mann octulosonic acid transferase EC 2 499 12	Vapor Type	Nicotine free	4.07630192	0.42847218	1.84E-21	1.36E-19
Metabolism Glycan biosynthesis and metabolism	ko00540	Uropolysaccharide biosynthesis	core ADP L glycerol D mann heptose 6 epimerase EC 5 1 3 20	Vapor Type	Nicotine free	3.68058651	0.41785481	1.27E-18	7.37E-17
Metabolism Glycan biosynthesis and metabolism	ko00540	Uropolysaccharide biosynthesis	D glycerol D mann heptose 1 7 bisphosphate phosphatase	Vapor Type	Nicotine plus	3.90581799	0.45841766	8.88E-18	4.79E-16
Metabolism Glycan biosynthesis and metabolism	ko00540	Uropolysaccharide biosynthesis	3 deoxy D mann octulosonic acid transferase EC 2 499 12	Vapor Type	Nicotine plus	3.44622085	0.43019044	1.14E-15	5.11

Metabolism Glycan biosynthesis and metabolism	ko01005	Ulipopolysaccharide biosynthesis proteins	chain length determinant protein polysaccharide antigen d	Biofilm type	Pathogen-rich	1.35728763	0.31683611	1.84E-05	0.00027785
Metabolism Glycan biosynthesis and metabolism	ko01005	Ulipopolysaccharide biosynthesis proteins	heptosyltransferase II EC 2.4	Vapor Type	Nicotine free	2.42452373	0.57462323	2.45E-05	0.000365505
Metabolism Glycan biosynthesis and metabolism	ko01005	Ulipopolysaccharide biosynthesis proteins	heptosyltransferase I EC 2.4	Vapor Type	Nicotine plus	2.5114169	0.66538824	0.00016042	0.002165575
Metabolism Glycan biosynthesis and metabolism	ko01005	Ulipopolysaccharide biosynthesis proteins	chain length determinant protein polysaccharide antigen d	Vapor Type	Nicotine plus	2.47324467	0.66155726	0.00018611	0.002493774
Metabolism Glycan biosynthesis and metabolism	ko01005	Ulipopolysaccharide biosynthesis proteins	heptosyltransferase II EC 2.4	Vapor Type	Nicotine plus	1.79625019	0.57662262	0.00138468	0.020936341
Metabolism Glycan biosynthesis and metabolism	ko01005	Ulipopolysaccharide biosynthesis proteins	UDP N acetyl 2 amino 2 deoxyglucuronate dehydrogenase E	Biofilm type	Pathogen-rich	2.41305607	0.83470325	0.00384122	0.041278607
Metabolism Glycan biosynthesis and metabolism	ko05511	Other glycan degradation	alpha mannosidase EC 3.2.1.24	Vapor Type	Nicotine free	4.30197802	0.59073739	3.28E-13	1.13E-11
Metabolism Glycan biosynthesis and metabolism	ko05511	Other glycan degradation	core	Vapor Type	Nicotine plus	3.27564958	0.59129607	3.03E-08	6.28E-07
Metabolism Glycan biosynthesis and metabolism	ko05511	Other glycan degradation	core	Vapor Type	Nicotine free	3.42455606	0.72059792	1.81E-06	3.44E-05
Metabolism Glycan biosynthesis and metabolism	ko05511	Other glycan degradation	alpha 1 fucosidase EC 3.2.1.51	Vapor Type	Nicotine plus	2.48301553	0.7212787	0.00057633	0.007147029
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Biofilm type	Pathogen-rich	2.71065664	0.79053943	0.0006061	0.007479731
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Biofilm type	Pathogen-rich	0.69554397	0.05383191	3.44E-38	6.77E-36
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Vapor Type	Nicotine free	4.05932691	0.21668697	2.63E-78	1.58E-75
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Vapor Type	Nicotine plus	3.02473235	0.21769205	6.84E-44	1.66E-41
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	cell division protein FtsI penicillin binding protein 3EC 3.4.1	Vapor Type	Nicotine free	3.76196649	0.4141793	1.06E-19	6.78E-18
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	undecaprenyl diphosphate EC 3.6.1.27	Vapor Type	Nicotine free	3.60785889	0.41220126	2.08E-18	1.18E-16
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	serine type D Ala D Ala carboxypeptidase EC 3.4.16.4	Biofilm type	Pathogen-rich	-2.3993024	0.30539568	3.95E-15	1.67E-13
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	cell division protein FtsI penicillin binding protein 3EC 3.4.1	Vapor Type	Nicotine plus	3.0526854	0.41563502	2.06E-13	7.21E-12
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	UDP N acetylmuramoyl L alaninyl D glutamate L lysine ligase	Vapor Type	Nicotine free	4.15406754	0.58615542	1.37E-12	4.39E-11
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	serine type D Ala D Ala carboxypeptidase EC 3.4.16.4	Vapor Type	Nicotine free	3.42027638	0.49632421	5.53E-12	1.65E-10
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Vapor Type	Nicotine free	7.05089699	1.03347622	8.95E-12	2.62E-10
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	penicillin binding protein A	Biofilm type	Pathogen-rich	-2.36763	0.36191597	6.07E-11	1.63E-09
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	UDP N acetylmuramate dehydrogenase EC 1.3.1.98	Vapor Type	Nicotine free	2.82981184	0.43452075	7.39E-11	1.97E-09
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	undecaprenyl diphosphate EC 3.6.1.27	Vapor Type	Nicotine plus	2.56585709	0.41405495	5.76E-10	1.42E-08
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	zinc D Ala D Ala carboxypeptidase EC 3.4.17.14	Vapor Type	Nicotine free	3.42823961	0.58069033	3.55E-09	8.12E-08
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	serine type D Ala D Ala carboxypeptidase EC 3.4.16.4	Biofilm type	Intermediate	-4.1466289	0.70591163	4.24E-09	9.60E-08
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Biofilm type	Intermediate	-4.0389085	0.80505543	2.52E-07	9.48E-06
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	UDP N acetylmuramoyl L alaninyl D glutamate L lysine ligase	Vapor Type	Nicotine plus	2.80822942	0.58720846	1.73E-06	2.95E-05
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	serine alanine adding enzyme EC 2.3.2.10	Vapor Type	Nicotine free	3.49419263	0.73190835	1.41E-06	3.07E-05
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	peptidoglycan pentaglycine glycine transferase the firstglyc	Vapor Type	Nicotine plus	4.77787148	0.9371986	4.09E-08	6.68E-05
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	penicillin binding protein 2B	Vapor Type	Nicotine free	3.2990495	0.72320473	5.07E-06	8.20E-05
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	core	Biofilm type	Pathogen-rich	0.41450351	0.09655394	1.80E-05	0.000272403
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	zinc D Ala D Ala carboxypeptidase EC 3.4.17.14	Vapor Type	Nicotine plus	2.4212552	0.58146505	3.13E-05	0.000461189
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	UDP N acetylmuramate dehydrogenase EC 1.3.1.98	Vapor Type	Nicotine plus	1.79771032	0.43558242	3.67E-05	0.000538101
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	penicillin binding protein 2B	Biofilm type	Intermediate	-1.9449793	0.47471095	4.18E-05	0.000609324
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	serine alanine adding enzyme EC 2.3.2.10	Vapor Type	Nicotine plus	2.65658136	0.73275642	0.00028844	0.003769003
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	peptidoglycan pentaglycine glycine transferase the fourtha	Vapor Type	Nicotine free	7.88414977	2.2385779	0.00042839	0.005485816
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	penicillin binding protein 2B	Vapor Type	Nicotine plus	2.37920952	0.72373524	0.00101116	0.012059718
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	UDP N acetylglucosamine N acetylmuramyl pentapeptide	Vapor Type	Nicotine free	2.28039809	0.69525998	0.00103836	0.012356484
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	monofunctional glycosyltransferase EC 4.2.1.129	Vapor Type	Nicotine free	2.65085294	0.90091456	0.00325677	0.035556986
Metabolism Glycan biosynthesis and metabolism	ko05550	Peptidoglycan biosynthesis	penicillin binding protein 2B	Vapor Type	Nicotine plus	1.17529433	0.40994925	0.00414479	0.044130245
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	penicillin binding protein 2 EC 3.4.16.4	Vapor Type	Nicotine free	3.48716101	0.39220215	6.04E-19	3.63E-17
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	serine type D Ala D Ala carboxypeptidase penicillin binding	Vapor Type	Nicotine free	3.50325569	0.42378017	1.38E-16	6.66E-15
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	soluble lytic murein transglycosylase EC 4.2.2.2	Vapor Type	Nicotine free	3.95340388	0.48220355	2.43E-16	1.15E-14
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	peptidoglycan DL endopeptidase Cw/O EC 3.4	Vapor Type	Nicotine free	3.88483808	0.52364445	1.18E-13	4.26E-12
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	penicillin binding protein 2 EC 3.4.16.4	Vapor Type	Nicotine plus	2.91451133	0.39326439	1.25E-13	4.50E-12
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	soluble lytic murein transglycosylase EC 4.2.2	Vapor Type	Nicotine plus	3.08521169	0.48511544	2.02E-10	5.17E-09
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	peptidoglycan DL endopeptidase Cw/O EC 3.4	Vapor Type	Nicotine plus	3.03119292	0.5244618	7.49E-09	1.66E-07
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	UDP N acetylmuramoyl L alaninyl D glutamate 2 6 diamino	Vapor Type	Nicotine free	3.08430728	0.52982454	1.43E-08	3.07E-07
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	UDP N acetyluramoyl glycine D glutamate ligase EC 6.3.2	Vapor Type	Nicotine free	3.98693633	0.45057798	4.26E-08	8.68E-05
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	serine type D Ala D Ala carboxypeptidase penicillin binding	Vapor Type	Nicotine plus	2.23165848	0.42472869	1.49E-07	2.84E-06
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	sortase B EC 3.4.22.70	Vapor Type	Nicotine free	3.04146468	0.58876686	2.39E-07	4.49E-06
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	putative penicillin binding protein II lipase	Vapor Type	Nicotine free	3.33758731	0.65332552	3.25E-07	5.98E-06
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	UDP N acetylmuramoyl L alaninyl D glutamate 2 6 diamino	Vapor Type	Nicotine plus	2.12261204	0.53020545	6.24E-05	0.000884951
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	putative penicillin binding protein II lipase	Vapor Type	Nicotine plus	2.37356561	0.66004213	0.00032288	0.004193249
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	sortase B EC 3.4.22.70	Vapor Type	Nicotine plus	2.0693552	0.58985379	0.00045106	0.005718996
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	UDP N acetylmuramoylalanine D glutamate ligase EC 6.3.2	Vapor Type	Nicotine plus	1.87963058	0.5457242	0.00057257	0.0071087
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	penicillin binding protein 1C EC 2.4.1.129	Vapor Type	Nicotine plus	2.3275979	1.11368697	0.0035447	0.038347221
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	serine type D Ala D Ala carboxypeptidase endopeptidase pe	Vapor Type	Nicotine free	2.09630779	0.72148499	0.00366613	0.039556513
Metabolism Glycan biosynthesis and degradation prote	ko01011	Peptidoglycan biosynthesis and degradation prote	penicillin binding protein 1C EC 2.4.1.129	Biofilm type	Pathogen-rich	-1.9300869	0.67766371	0.00439744	0.005433609
Metabolism Glycan biosynthesis and degradation prote	ko0535	Proteoglycans	core	Biofilm type	Pathogen-rich	0.89236148	0.0285342	5.12E-210	8.80E-207
Metabolism Glycan biosynthesis and degradation prote	ko0535	Proteoglycans	glycan 5	Vapor Type	Nicotine plus	-0.1852185	0.0285084	8.19E-11	2.18E-09
Metabolism Glycan biosynthesis and degradation prote	ko0535	Proteoglycans	glycan 5	Vapor Type	Nicotine free	-0.0989289	0.02785789	0.00038067	0.004890131
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	core	Vapor Type	Nicotine free	4.06952441	0.26767765	3.37E-52	1.10E-49
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	core	Vapor Type	Nicotine plus	2.82950615	0.27314263	3.81E-25	3.59E-23
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	acyl carrier protein	Vapor Type	Nicotine free	3.59290944	0.41792336	8.18E-18	4.44E-16
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	3 oxoacyl acyl carrier protein reductase EC 1.1.1.100	Vapor Type	Nicotine free	3.61728484	0.44500626	4.34E-16	2.02E-14
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	3 oxoacyl acyl carrier protein synthase II EC 3.1.1.179	Vapor Type	Nicotine free	3.63814683	0.46165441	3.26E-15	1.39E-13
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	trans 3 deconoyl acyl carrier protein isomerase EC 5.3.3.14	Vapor Type	Nicotine free	3.42437208	0.4427488	1.06E-14	4.22E-13
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	trans 3 deconoyl acyl carrier protein isomerase EC 5.3.3.14	Vapor Type	Nicotine free	3.46836633	0.60737785	2.76E-08	2.76E-08
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	acyl carrier protein	Vapor Type	Nicotine plus	2.55292686	0.1983887	1.20E-09	2.87E-08
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	3 oxoacyl acyl carrier protein reductase EC 1.1.1.100	Vapor Type	Nicotine plus	2.46868474	0.44570632	3.00E-08	6.22E-07
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	3 oxoacyl acyl carrier protein synthase II EC 3.1.1.179	Vapor Type	Nicotine plus	2.52190876	0.46223681	4.87E-08	9.89E-07
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	acyl CoA carboxylase carboxyl transferase subunit beta EC	Vapor Type	Nicotine plus	2.27939437	0.44404552	2.85E-07	5.29E-06
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	acyl CoA carboxylase biotin carboxyl carrier protein	Biofilm type	Intermediate	-0.3684244	0.07796217	2.29E-06	3.86E-05
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	acyl CoA carboxylase carboxyl transferase subunit alpha E	Vapor Type	Nicotine free	2.77998347	0.59647965	3.15E-06	5.20E-05
Metabolism Lipid metabolism	ko0061	Fatty acid biosynthesis	trans 2 deconoyl acyl carrier protein isomerase EC 5.3.3.14	Vapor Type	Nicotine plus	2.78316572	0.60793224	4.69E-06	7.61E-05
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	core	Vapor Type	Nicotine free	6.37892658	0.53857433	2.31E-32	3.36E-30
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	core	Vapor Type	Nicotine free	4.02382259	0.36060491	6.51E-29	7.74E-27
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	core	Vapor Type	Nicotine free	4.20826936	0.40236272	1.33E-25	1.30E-23
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	core	Vapor Type	Nicotine free	5.36102702	0.34185321	2.00E-55	7.18E-53
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	core	Vapor Type	Nicotine plus	4.25954243	0.34300664	2.08E-35	3.54E-33
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	triacylglycerol lipase EC 3.1.1.3	Vapor Type	Nicotine plus	3.83823819	0.54144584	1.35E-12	4.34E-11
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	dihydroxyacetone inase N terminal domain EC 2.7.1	Vapor Type	Nicotine plus	2.231765	0.36869327	1.42E-09	3.38E-08
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	dihydroxyacetone inase C terminal domain EC 2.7.1	Vapor Type	Nicotine plus	2.20613901	0.4157094	1.11E-07	2.18E-06
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	triose dihydroxyacetone inase FAD AMP lyase cyclizing E	Biofilm type	Pathogen-rich	-2.9217377	0.78802086	0.00020916	0.002778624
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	dihydroxyacetone inase C terminal domain EC 2.7.1	Biofilm type	Intermediate	-1.0426516	0.28581377	0.00033704	0.00436755
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	triose dihydroxyacetone inase FAD AMP lyase cyclizing E	Biofilm type	Intermediate	-3.1684454	0.88646424	0.00035124	0.004537208
Metabolism Lipid metabolism	ko0561	Glycerolipid metabolism	core	Biofilm type	Intermediate	-1.0824325	0.30397946	0.00036962	0.004759741
Metabolism Lipid metabolism	ko0564	Glycerophospholipid metabolism	core	Vapor Type	Nicotine free	3.40659553	0.29372783	3.43E-31	4.71E-29
Metabolism Lipid metabolism	ko0564	Glycerophospholipid metabolism	ethanolamine ammonia lyase large subunit EC 4.3.1.7	Vapor Type	Nicotine free	3.48549177	0.25411782	8.14E-43	1.89E-40
Metabolism Lipid metabolism	ko0564	Glycerophospholipid metabolism	ethanolamine utilization protein EutA	Vapor Type	Nicotine free	3.29379756	0.25463057	2.83E-38	5.60E-36
Metabolism Lipid metabolism	ko0564	Glycerophospholipid metabolism	diacylglycerol inase ATP EC 2.7.1.107	Vapor Type	Nicotine free	3.93995045	0.38921113	4.37E-24	

Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	lysophospholipase EC 3 1 1 5	Vapor Type	Nicotine free	2.28089341	0.5665575	5.68E-05	0.00081167
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	cardiolipin phosphatase EC 2 7 8	Vapor Type	Nicotine plus	2.70010436	0.67420529	6.21E-05	0.000883809
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	lysophospholipase EC 3 1 1 5	Biofilm type	Intermediate	2.2989339	0.58183404	7.78E-05	0.001093875
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	ethanolamine utilization protein EutA	Biofilm type	Intermediate	-0.5750863	0.14793794	0.00010135	0.001402264
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	ethanolamine ammonia lyase small subunit EC 4 3 1 7	Biofilm type	Intermediate	-0.4511886	0.11662082	0.00010962	0.001510858
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	lysophospholipase EC 3 1 1 5	Biofilm type	Pathogen-rich	-2.767406	0.72267548	0.00012846	0.001753684
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	ethanolamine ammonia lyase small subunit EC 4 3 1 7	Biofilm type	Pathogen-rich	-0.4074404	0.1150882	0.00039976	0.005113195
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	core CDP diacylglycerol glycerol 3 phosphate 3 phosphatidyltran	Vapor Type	Nicotine plus	1.89427642	0.58583284	0.00122294	0.014351129
Metabolism Lipid metabolism	ko00564	Glycerophospholipid metabolism	phosphatidylserine decarboxylase EC 4 1 1 65	Biofilm type	Pathogen-rich	-0.4729261	0.14810772	0.00010743	0.016347078
Metabolism Lipid metabolism	ko00591	Unsaturated acid metabolism	phospholipase A1 EC 3 1 1 3 1 1 4	Vapor Type	Nicotine free	2.4157519	0.11041116	0.00065274	0.008016359
Metabolism Lipid metabolism	ko00591	Unsaturated acid metabolism	phospholipase A1 EC 3 1 1 3 1 1 4	Vapor Type	Nicotine free	2.22046645	0.17427587	0.00187915	0.021365166
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	3 oxoacyl acyl carrier protein synthase III EC 2 3 1 180	Vapor Type	Nicotine free	3.65049603	0.36819993	3.60E-23	3.00E-21
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	acyl carrier protein 5 malonyltransferase EC 2 3 1 39	Vapor Type	Nicotine free	3.42512831	0.44709355	1.85E-14	7.24E-13
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	3 oxoacyl acyl carrier protein synthase III EC 2 3 1 180	Vapor Type	Nicotine plus	2.47684291	0.36902403	1.92E-11	5.45E-10
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	acyl carrier protein 5 malonyltransferase EC 2 3 1 39	Vapor Type	Nicotine plus	2.33262398	0.44799783	1.92E-07	3.64E-06
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	core long chain acyl CoA synthetase EC 6 2 1 3	Vapor Type	Nicotine free	3.30285225	0.58343914	2.25E-07	4.23E-06
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	acyl CoA thioesterase II EC 3 1 2	Vapor Type	Nicotine free	2.85317479	0.75437075	0.00015545	0.002102369
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	core long chain acyl CoA synthetase EC 6 2 1 3	Vapor Type	Nicotine plus	1.95483856	0.58896352	0.00090303	0.010809168
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	core fatty acyl CoA synthase EC 6 2 1	Vapor Type	Nicotine free	1.5747877	0.51251045	0.00212136	0.02389477
Metabolism Lipid metabolism	ko01004	Lipid biosynthesis proteins	core acyl CoA thioesterase VIa EC 3 1 2	Vapor Type	Nicotine free	2.92024326	1.00345625	0.00362125	0.039005654
Metabolism Lipid metabolism	ko00120	Primary bile acid biosynthesis	cholesterol hydroxylase EC 1 5 1 24	Vapor Type	Nicotine free	7.12076485	1.46581154	1.19E-06	2.06E-05
Metabolism Lipid metabolism	ko00120	Primary bile acid biosynthesis	cholesterol hydroxylase EC 3 5 1 24	Biofilm type	Pathogen-rich	0.46367294	0.09711072	1.80E-06	3.07E-05
Metabolism Lipid metabolism	ko00120	Primary bile acid biosynthesis	cholesterol hydroxylase EC 3 5 1 24	Vapor Type	Nicotine plus	5.02421309	1.47002988	0.00063318	0.007766547
Metabolism Lipid metabolism	ko00600	Sphingolipid metabolism	beta galactosidase EC 3 2 1 23	Vapor Type	Nicotine free	3.22352216	0.53152599	1.32E-09	3.16E-08
Metabolism Lipid metabolism	ko00600	Sphingolipid metabolism	beta galactosidase EC 3 2 1 23	Vapor Type	Nicotine plus	2.28834779	0.53173781	1.68E-05	0.000256051
Metabolism Lipid metabolism	ko00600	Sphingolipid metabolism	alpha galactosidase EC 3 2 1 22	Vapor Type	Nicotine free	2.67905147	0.80293212	0.00084814	0.010236871
Metabolism Metabolism of cofactors and vitamins	ko00780	Biotin metabolism	6 carboxyhexanoate CoA ligase EC 6 2 1 14	Vapor Type	Nicotine free	4.47990808	0.3808521	4.39E-40	9.21E-38
Metabolism Metabolism of cofactors and vitamins	ko00780	Biotin metabolism	dethiobiotin synthetase EC 6 3 3 3	Vapor Type	Nicotine free	4.27654676	0.2974758	7.31E-47	1.93E-44
Metabolism Metabolism of cofactors and vitamins	ko00780	Biotin metabolism	dethiobiotin synthetase EC 6 3 3 3	Vapor Type	Nicotine plus	3.09890869	0.30147488	8.48E-25	7.81E-23
Metabolism Metabolism of cofactors and vitamins	ko00780	Biotin metabolism	6 carboxyhexanoate CoA ligase EC 6 2 1 14	Biofilm type	Nicotine free	3.32848653	0.34415449	1.22E-18	7.13E-17
Metabolism Metabolism of cofactors and vitamins	ko00780	Biotin metabolism	6 carboxyhexanoate CoA ligase EC 6 2 1 14	Biofilm type	Intermediate	-0.4512786	0.08250569	4.51E-08	9.17E-07
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	2 amino 4 hydroxy 6 hydroxymethylidihydropteridine diphosph	Vapor Type	Nicotine plus	4.01972729	0.36161375	1.05E-28	1.24E-26
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7,8 dihydropteridine aldolase epimerase oxygenase EC 4 1	Vapor Type	Nicotine free	4.35136343	0.36306776	4.26E-33	6.43E-31
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7 cyano 7 deazaguanine synthase EC 6 3 4 20	Vapor Type	Nicotine free	4.44300209	0.38419554	6.24E-31	8.42E-29
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7 carboxy 7 deazaguanine synthase EC 4 3 9 3	Vapor Type	Nicotine free	4.43083466	0.33368471	3.08E-40	6.53E-38
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase component I EC 2 6 1 85	Vapor Type	Nicotine free	4.65092265	0.4636611	1.12E-23	9.53E-22
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	GTP 3 8 cyclase EC 4 1 99 22	Vapor Type	Nicotine free	6.03025305	0.60770827	3.31E-23	2.76E-21
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	methylenetetrahydropteridine synthetase EC 2 7 7 75	Vapor Type	Nicotine free	4.36030668	0.44468699	1.07E-22	8.58E-21
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7 carboxy 7 deazaguanine synthase EC 4 3 9 3	Vapor Type	Nicotine plus	3.23784333	0.33816287	1.02E-21	7.64E-20
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	4 amino 4 deoxychorismate lyase EC 4 1 3 38	Vapor Type	Nicotine plus	4.99947186	0.52367114	1.34E-21	9.92E-20
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7 cyano 7 deazaguanine synthase EC 6 3 4 20	Vapor Type	Nicotine plus	3.32842616	0.38214146	1.00E-17	5.40E-16
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	GTP 3 8 cyclase EC 4 1 99 22	Vapor Type	Nicotine plus	4.59413792	0.60896394	4.55E-14	1.71E-12
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	2 amino 4 hydroxy 6 hydroxymethylidihydropteridine diphosph	Vapor Type	Nicotine plus	2.76384749	0.37686389	5.77E-14	2.15E-12
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase component II EC 2 6 1 85	Vapor Type	Nicotine free	4.18448475	0.55703969	5.82E-14	2.17E-12
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	methylenetetrahydropteridine synthetase EC 2 7 7 75	Vapor Type	Nicotine plus	3.33075166	0.44918644	1.22E-13	4.38E-12
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	3,4 dihydroxy 2 butanone 4 phosphate synthase GTP cyclot	Vapor Type	Nicotine free	4.75902556	0.67040985	1.26E-12	4.05E-11
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	methylenetetrahydropteridine synthetase EC 2 7 7 75	Vapor Type	Nicotine free	4.4203191	0.63194037	2.66E-12	8.22E-11
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7,8 dihydropteridine aldolase epimerase oxygenase EC 4 1	Vapor Type	Nicotine plus	2.61359319	0.37373266	2.69E-12	8.31E-11
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	GTP cyclidrolase IA EC 3 5 4 16	Vapor Type	Nicotine free	2.8813729	0.43950728	1.44E-10	3.73E-09
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase EC 2 6 1 85	Biofilm type	Pathogen-rich	-2.5824853	0.11886135	6.99E-10	7.13E-08
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	methylenetetrahydropteridine synthetase EC 2 7 7 75	Vapor Type	Nicotine plus	3.72519391	0.63337654	4.07E-09	9.22E-08
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7,8 dihydropteridine synthase polyphosphatase EC 6 3	Vapor Type	Nicotine plus	3.09570893	0.551293	1.96E-08	4.15E-07
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	3,4 dihydroxy 2 butanone 4 phosphate synthase GTP cyclot	Vapor Type	Nicotine plus	3.55619163	0.67134287	1.18E-07	2.29E-06
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	4 amino 4 deoxychorismate lyase EC 4 1 3 38	Vapor Type	Nicotine plus	2.81156644	0.53737217	1.68E-07	3.19E-06
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase component I EC 2 6 1 85	Vapor Type	Nicotine plus	2.44777206	0.47431511	2.46E-07	4.61E-06
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase EC 2 6 1 85	Biofilm type	Intermediate	-3.8906583	0.78452218	7.08E-07	1.26E-05
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	dihydropteridine triphosphate diphosphatase EC 3 6 1 67	Vapor Type	Nicotine free	3.15638857	0.69378978	5.38E-06	8.67E-05
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	GTP cyclidrolase IA EC 3 5 4 16	Vapor Type	Nicotine plus	1.92672126	0.44069108	1.23E-05	0.00018993
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	dihydropteridine aldolase 2 amino 4 hydroxy 6 hydroxymet	Vapor Type	Nicotine free	2.6765025	0.65761051	4.70E-05	0.000679293
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7,8 dihydropteridine aldolase epimerase oxygenase EC 4 1	Biofilm type	Intermediate	-0.3835213	0.09936768	0.00013161	0.001562185
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	dihydropteridine synthase polyphosphatase EC 6 3	Vapor Type	Nicotine plus	2.10973086	0.55165849	0.00013112	0.001787358
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	7 carboxy 7 deazaguanine synthase EC 4 3 9 3	Biofilm type	Intermediate	-0.3056784	0.08201122	0.00019356	0.002588191
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase component I EC 2 6 1 85	Vapor Type	Nicotine plus	2.17153002	0.58350773	0.00019803	0.002640728
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	para aminobenzoate synthetase component II EC 2 6 1 85	Biofilm type	Pathogen-rich	0.60625673	0.1646651	0.00023163	0.003059667
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	dihydropteridine triphosphate diphosphatase EC 3 6 1 67	Vapor Type	Nicotine plus	2.52342192	0.70387073	0.00033699	0.00436755
Metabolism Metabolism of cofactors and vitamins	ko00790	Folate biosynthesis	GTP cyclidrolase II EC 3 5 4 25	Vapor Type	Nicotine free	2.33381083	0.81291828	0.00409288	0.043639363
Metabolism Metabolism of cofactors and vitamins	ko00785	Uppic acid metabolism	lipote protein ligase EC 6 3 1 20	Vapor Type	Nicotine free	3.99001083	0.31720328	2.76E-36	4.91E-34
Metabolism Metabolism of cofactors and vitamins	ko00785	Uppic acid metabolism	lipoyl synthase EC 2 8 1 8	Vapor Type	Nicotine free	4.8748912	0.47722958	1.70E-24	1.55E-22
Metabolism Metabolism of cofactors and vitamins	ko00785	Uppic acid metabolism	lipote protein ligase EC 6 3 1 20	Vapor Type	Nicotine plus	2.553114	0.428766	9.30E-17	4.83E-15
Metabolism Metabolism of cofactors and vitamins	ko00785	Uppic acid metabolism	lipoyl synthase EC 2 8 1 8	Vapor Type	Nicotine plus	2.55709945	0.45866153	5.01E-13	2.04E-10
Metabolism Metabolism of cofactors and vitamins	ko00785	Uppic acid metabolism	lipoyl octanoyl transferase EC 2 3 1 181	Vapor Type	Nicotine free	2.6442121	0.70707052	0.00018613	0.002493774
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	NAD inase EC 2 7 1 23	Vapor Type	Nicotine plus	3.31762237	0.39190557	2.55E-17	1.32E-15
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	nicotinate nucleotide adenyltransferase EC 2 7 7 18	Vapor Type	Nicotine free	3.25540953	0.39147787	9.12E-17	4.47E-15
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metab	5 nucleotide EC 3 1 3 5	Vapor Type	Nicotine free	4.6910968	0.60440551	8.40E-15	3.42E-13
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metab	nicotinamide nucleotide amidase EC 3 5 1 42	Vapor Type	Nicotine plus	3.75304767	0.53294447	1.89E-12	5.96E-11
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	5 nucleotide EC 3 1 3 5	Vapor Type	Nicotine plus	3.92517142	0.60652971	9.70E-11	2.56E-09
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	nicotinate phosphoribosyltransferase EC 6 3 4 21	Vapor Type	Nicotine free	3.2539267	0.51794815	3.27E-10	8.20E-09
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	purine nucleoside phosphorylase EC 2 4 2 1	Vapor Type	Nicotine free	3.13799468	0.51691296	1.27E-09	3.04E-08
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metab	NAD inase EC 2 7 1 23	Vapor Type	Nicotine plus	2.3399709	0.39317295	2.66E-09	6.14E-08
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metab	nicotinate nucleotide adenyltransferase EC 2 7 7 18	Vapor Type	Nicotine plus	2.23020272	0.39315187	1.56E-08	3.35E-07
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metab	nicotinate nucleotide pyrophosphorylase carboxylating EC	Vapor Type	Nicotine free	2.50795813	0.44423661	1.66E-08	3.54E-07
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	nicotinate nucleotide pyrophosphorylase carboxylating EC	Vapor Type	Nicotine plus	2.41553364	0.44589038	6.05E-08	1.22E-06
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	nicotinamide nucleotide amidase EC 3 5 1 42	Vapor Type	Nicotine plus	2.84341496	0.53349944	9.84E-08	1.94E-06
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	nicotinate phosphoribosyltransferase EC 6 3 4 21	Vapor Type	Nicotine plus	2.19879337	0.51845874	2.23E-05	0.000333398
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	purine nucleoside phosphorylase EC 2 4 2 1	Vapor Type	Nicotine free	2.72888225	0.6521506	2.86E-05	0.000424174
Metabolism Metabolism of cofactors and vitamins	ko00760	Nicotinate and nicotinamide metabolism	purine nucleoside phosphorylase EC 2 4 2 1	Vapor Type	Nicotine plus	1.99658526	0.51851432	0.00011783	0.001617401
Metabolism Metabolism of cofactors and vitamins	ko00670	One carbon pool by folate	glutamate formiminotransferase EC 2 1 2 5	Vapor Type	Nicotine free	3.58420747	0.34622123	4.08E-25	3.83E-23
Metabolism Metabolism of cofactors and vitamins	ko00670	One carbon pool by folate	aminomethyltransferase EC 2 1 2 10	Vapor Type	Nicotine free	5.20020585	0.55395607	5.72E-21	4.10E-19
Metabolism Metabolism of cofactors and vitamins	ko00670	One carbon pool by folate	methionyl tRNA formyltransferase EC 2 1 2 9	Vapor Type	Nicotine free	3.31107894	0.428766	1.14E-14	4.60E-13
Metabolism Metabolism of cofactors and vitamins	ko00670	One carbon pool by folate	glutamate formiminotransferase EC 2 1 2 5	Vapor Type	Nicotine plus	2.55709945	0.45866153	5.01E-13	1.68E-11
Metabolism Metabolism of cofactors and vitamins	ko00670	One carbon pool by folate	aminomethyltransferase EC 2 1 2 1						

Metabolism Metabolism of cofactors and vitamins	ko00770	Pantothenate and CoA biosynthesis	type II pantothenate inase EC 2 7 1 33	Vapor Type	Nicotine free	7.36078088	1.94937343	0.00015938	0.00215346
Metabolism Metabolism of cofactors and vitamins	ko00770	Pantothenate and CoA biosynthesis	phosphopantothenate cysteine ligase CTP EC 6 3 2 5	Vapor Type	Nicotine plus	1.98257868	0.58612477	0.00071824	0.00876221
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	nicotinate nucleotide dimethylbenzimidazole phosphoribos	Vapor Type	Nicotine free	4.16757737	0.38655376	4.22E-27	4.48E-25
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrinogen II synthase EC 4 2 1 75	Vapor Type	Nicotine free	3.45261981	0.28592552	1.43E-33	2.21E-31
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobalt precorrin 5B C1 methyltransferase EC 21 1 195	Vapor Type	Nicotine free	3.96490332	0.31339918	1.10E-36	2.01E-34
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobalt precorrin 5A hydrolase EC 3 7 1 12	Vapor Type	Nicotine free	3.72472038	0.30990822	2.83E-33	4.31E-31
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobyrinic acid c diamide synthase EC 6 3 5 96 3 5 11	Vapor Type	Nicotine free	3.89907385	0.27257806	2.05E-46	5.29E-44
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobyrinic acid c diamide synthase EC 6 3 5 96 3 5 11	Vapor Type	Nicotine plus	3.04242767	0.27485818	1.77E-28	2.06E-26
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	adenosylcobinamide phosphate synthase EC 6 3 110	Vapor Type	Nicotine free	3.95042385	0.32373541	3.01E-34	4.91E-32
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 2 dehydrogenase sirohdrochlorin ferrochelatase	Vapor Type	Nicotine free	3.41425938	0.38409683	1.75E-46	4.52E-44
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	glutamyl tRNA reductase EC 1 2 1 70	Vapor Type	Nicotine free	3.95347474	0.22125513	2.08E-71	1.08E-68
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	glutamyl tRNA reductase EC 1 2 1 70	Vapor Type	Nicotine plus	2.78727277	0.2237566	1.29E-35	2.72E-33
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 3B C17 methyltransferase EC 2 1 1 131	Vapor Type	Nicotine free	3.80872214	0.34099602	5.76E-29	6.90E-27
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 4 cobalt precorrin A C11 methyltransferase EC 2 1	Vapor Type	Nicotine free	3.25032705	0.27824843	1.62E-31	2.27E-29
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 8X cobalt precorrin 8 methylmutase EC 5 4 99 61 9	Vapor Type	Nicotine free	3.94177087	0.26730696	3.25E-49	9.64E-47
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 8X cobalt precorrin 8 methylmutase EC 5 4 99 61 9	Vapor Type	Nicotine plus	3.0800552	0.27047406	4.82E-30	6.21E-28
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrinogen III methyltransferase synthase EC 2 1 1	Vapor Type	Nicotine free	4.01039761	0.36464631	3.90E-24	4.44E-26
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	L theonine inase EC 2 7 1 177	Vapor Type	Nicotine free	4.09629842	0.34932657	9.35E-32	1.33E-29
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	alpha ribazole phosphatase EC 3 1 3 73	Vapor Type	Nicotine free	3.19926963	0.31040195	6.56E-25	6.08E-23
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobalt precorrin 5B C1 methyltransferase EC 21 1 195	Vapor Type	Nicotine plus	3.18409033	0.31535906	5.71E-24	4.98E-22
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	adenosylcobinamide phosphate synthase EC 6 3 110	Vapor Type	Nicotine plus	3.16906949	0.32642932	2.78E-22	2.20E-20
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	threonine phosphate decarboxylase EC 4 1 1 81	Vapor Type	Nicotine free	3.78560852	0.39413319	7.62E-22	5.80E-20
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	L theonine inase EC 2 7 1 177	Vapor Type	Nicotine plus	3.31868177	0.35203258	4.21E-21	3.04E-19
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobalt precorrin 6B C15 methyltransferase EC 2 1 1 196	Vapor Type	Nicotine free	3.06527243	0.32541478	4.53E-21	3.26E-19
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobalt precorrin 5A hydrolase EC 3 7 1 12	Vapor Type	Nicotine plus	2.87961296	0.31230319	3.81E-20	2.56E-18
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	protoheine IX farnesyltransferase EC 2 5 1	Vapor Type	Nicotine free	4.35638972	0.49568081	1.51E-18	8.72E-17
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	nicotinate nucleotide dimethylbenzimidazole phosphoribos	Vapor Type	Nicotine plus	3.32285192	0.38777643	1.04E-17	5.59E-16
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrinogen III methyltransferase synthase EC 2 1 1	Vapor Type	Nicotine plus	3.12728895	0.3663544	1.39E-17	7.33E-16
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 2 dehydrogenase sirohdrochlorin ferrochelatase	Vapor Type	Nicotine plus	2.11673573	0.24833953	1.57E-17	8.29E-16
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 2 cobalt precorrin A C11 methyltransferase EC 2 1	Vapor Type	Nicotine plus	2.34717925	0.38301863	4.91E-17	2.47E-15
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 3B C17 methyltransferase EC 2 1 1 131	Vapor Type	Nicotine plus	2.88983392	0.34484083	5.28E-17	2.64E-15
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cob I alamin adenosyltransferase EC 2 5 1 17	Vapor Type	Nicotine free	4.55506794	0.56971747	1.29E-15	5.77E-14
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	threonine phosphate decarboxylase EC 4 1 1 81	Vapor Type	Nicotine plus	3.084188	0.39613473	6.93E-15	2.86E-13
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrinogen II synthase EC 4 2 1 75	Vapor Type	Nicotine plus	2.2746401	0.29562347	1.42E-14	5.67E-13
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	sirohdrochlorin cobaltchelatease EC 4 99 1 3	Vapor Type	Nicotine free	4.9964879	0.64985309	1.49E-14	5.91E-13
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	alpha ribazole phosphatase EC 3 1 3 73	Vapor Type	Nicotine plus	2.39397481	0.31549982	3.25E-14	1.24E-12
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrin III C methyltransferase EC 2 1 1 17	Vapor Type	Nicotine free	6.82543143	0.94530514	5.19E-13	1.74E-11
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 2 cobalt factor C20 methyltransferase EC 2 1 1	Vapor Type	Nicotine free	3.31638631	0.46162822	6.76E-13	2.24E-11
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobalt precorrin 6B C15 methyltransferase EC 2 1 1 196	Vapor Type	Nicotine plus	2.24615833	0.33227841	1.38E-11	3.96E-10
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	sirohdrochlorin cobaltchelatease EC 4 99 1 3	Vapor Type	Nicotine plus	4.38187768	0.65013479	1.58E-11	4.52E-10
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cob I alamin adenosyltransferase EC 2 5 1 17	Vapor Type	Nicotine plus	3.69376977	0.57132125	1.01E-10	2.67E-09
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cytochrome c oxidase assembly protein subunit 15	Vapor Type	Nicotine free	6.45319987	1.06984674	1.62E-09	3.83E-08
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 8X cobalt precorrin 8 methylmutase EC 5 4 99 61 9	Biofilm Type	Intermediate	-0.7143262	0.11970449	2.41E-09	5.61E-08
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 2 cobalt factor C20 methyltransferase EC 2 1 1	Vapor Type	Nicotine plus	2.52439435	0.46396999	5.98E-08	1.20E-06
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cytochrome c oxidase assembly protein subunit 15	Biofilm Type	Intermediate	-0.5016897	0.10316728	1.16E-06	2.01E-05
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrin III C methyltransferase EC 2 1 1 17	Vapor Type	Nicotine plus	4.56748477	0.94940754	1.50E-06	2.58E-05
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 2 dehydrogenase sirohdrochlorin ferrochelatase	Biofilm Type	Intermediate	-0.4444155	0.09580425	3.55E-06	5.82E-05
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 8X cobalt precorrin 8 methylmutase EC 5 4 99 61 9	Biofilm Type	Pathogen-rich	-0.5359122	0.11701137	4.04E-06	6.58E-05
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	protoheine IX farnesyltransferase EC 2 5 1	Vapor Type	Nicotine plus	2.28424805	0.51700665	9.85E-06	0.00155541
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	protoheine IX farnesyltransferase EC 2 5 1	Biofilm Type	Intermediate	-0.6077235	0.1390121	5.49E-05	0.00078738
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrinogen III synthase EC 4 2 1 75	Biofilm Type	Intermediate	-0.4210485	0.10813893	9.88E-05	0.00136802
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	glutamyl tRNA reductase EC 1 2 1 70	Biofilm Type	Intermediate	-0.6911764	0.1780116	0.00010228	0.00142784
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cytochrome c oxidase assembly protein subunit 15	Vapor Type	Nicotine plus	4.16048128	1.07731096	0.0001125	0.001547803
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrinogen decarboxylase EC 4 1 1 37	Vapor Type	Nicotine free	2.36819272	0.6602895	0.00033502	0.00343537
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 6A synthase EC 2 1 1 152	Biofilm Type	Pathogen-rich	-2.4969274	0.73115485	0.00063771	0.007840805
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	precorrin 4 cobalt precorrin A C11 methyltransferase EC 2 1	Biofilm Type	Intermediate	-0.6719378	0.209516	0.00134082	0.015624486
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	cobyrinic acid c diamide synthase EC 6 3 5 96 3 5 11	Biofilm Type	Intermediate	-0.6500211	0.20290778	0.00135754	0.01580545
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	urophorphyrin III C methyltransferase precorrin2 dehydroge	Vapor Type	Nicotine free	1.88819222	0.65210157	0.00378496	0.040715007
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	L theonine inase EC 2 7 1 177	Biofilm Type	Intermediate	-0.5764935	0.20109679	0.00447115	0.044139105
Metabolism Metabolism of cofactors and vitamins	ko00860	Porphyryn and chlorophyll metabolism	alpha ribazole phosphatase EC 3 1 3 73	Biofilm Type	Intermediate	-0.6555462	0.22949704	0.00428411	0.045451621
Metabolism Metabolism of cofactors and vitamins	ko00740	Riboflavin metabolism	riboflavin synthase EC 2 5 1 9	Vapor Type	Nicotine free	3.80659715	0.33459673	5.46E-30	7.00E-28
Metabolism Metabolism of cofactors and vitamins	ko00740	Riboflavin metabolism	6 7 dimethyl 8 ribitylulazine synthase EC 2 5 1 78	Vapor Type	Nicotine free	4.55168145	0.5145397	9.06E-19	5.34E-17
Metabolism Metabolism of cofactors and vitamins	ko00740	Riboflavin metabolism	riboflavin synthase EC 2 5 1 9	Vapor Type	Nicotine plus	2.50328289	0.34006599	1.82E-13	6.42E-12
Metabolism Metabolism of cofactors and vitamins	ko00740	Riboflavin metabolism	6 7 dimethyl 8 ribitylulazine synthase EC 2 5 1 78	Vapor Type	Nicotine plus	3.39337488	0.51882505	6.13E-11	1.65E-09
Metabolism Metabolism of cofactors and vitamins	ko00740	Riboflavin metabolism	FMN reductase NADPH EC 1 5 1 38	Vapor Type	Nicotine free	6.35047142	1.02964198	6.93E-10	1.69E-08
Metabolism Metabolism of cofactors and vitamins	ko00740	Riboflavin metabolism	FMN reductase NADPH EC 1 5 1 38	Vapor Type	Nicotine plus	4.06203708	1.03714489	9.89E-05	0.0012516
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	hydroxyethylthiazole inase EC 2 7 1 50	Vapor Type	Nicotine free	1.01667425	0.07634019	1.83E-40	3.50E-38
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiamine pyrophosphatase EC 2 7 6 2	Vapor Type	Nicotine free	4.31724093	0.40707443	2.81E-26	2.83E-24
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiaminase transcriptional activator TenA EC 3 5 99 2	Vapor Type	Nicotine free	1.237181	0.08727538	1.30E-45	3.28E-43
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiamine monophosphate synthase EC 2 7 4 16	Vapor Type	Nicotine free	4.631858	0.54529988	6.81E-39	1.40E-36
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiazole synthase EC 2 8 1 10	Vapor Type	Nicotine free	4.38551023	0.52094408	8.82E-17	1.94E-15
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiamine pyrophosphatase EC 2 7 6 2	Vapor Type	Nicotine plus	3.20303133	0.40901157	4.83E-15	2.02E-13
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiamine monophosphate inase EC 2 7 4 16	Vapor Type	Nicotine plus	3.52679009	0.45624237	1.07E-14	4.33E-13
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	glycine oxidase EC 1 4 3 19	Vapor Type	Nicotine free	5.77056593	0.77163673	7.53E-14	2.78E-12
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	2 iminoacetate synthase EC 4 1 99 19	Vapor Type	Nicotine free	4.63660459	0.6405953	4.55E-13	1.54E-11
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	hydroxyethylthiazole inase EC 2 7 1 50	Vapor Type	Nicotine plus	-0.8155319	0.1812058	5.05E-12	1.51E-10
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiaminase transcriptional activator TenA EC 3 5 99 2	Biofilm Type	Pathogen-rich	0.52578759	0.08150854	1.11E-10	2.92E-09
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	hydroxyethylthiazole inase EC 2 7 1 50	Biofilm Type	Pathogen-rich	0.44758116	0.07495067	2.35E-09	5.48E-08
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiamine phosphate pyrophosphatase EC 2 5 1 3	Vapor Type	Nicotine free	2.46742654	0.41471467	2.65E-09	6.20E-08
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	2 iminoacetate synthase EC 4 1 99 19	Vapor Type	Nicotine plus	3.67972833	0.64143597	9.69E-09	2.12E-07
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	formylaminopyrimidine deformylase EC 3 5 1	Vapor Type	Nicotine free	6.81736049	1.22656179	2.73E-08	5.68E-07
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	formylaminopyrimidine deformylase EC 3 5 1	Biofilm Type	Pathogen-rich	0.48568239	0.09439046	2.67E-07	4.98E-06
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	glycine oxidase EC 1 4 3 19	Vapor Type	Nicotine plus	3.9704661	0.77682284	3.20E-07	5.91E-06
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiazole synthase EC 2 8 1 10	Vapor Type	Nicotine plus	2.59409839	0.53403245	1.19E-06	2.06E-05
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	tRNA uracil 4 sulfurtransferase EC 2 8 1 4	Vapor Type	Nicotine free	2.75981653	0.57839743	1.83E-06	3.11E-05
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	thiaminase transcriptional activator TenA EC 3 5 99 2	Vapor Type	Nicotine plus	-0.578484	0.12818386	3.69E-06	0.000102151
Metabolism Metabolism of cofactors and vitamins	ko00730	Thiamine metabolism	formylaminopyrimidine deformylase EC 3 5 1	Vapor Type	Nicotine plus	4.584612	1.23213188	0.00019853	0.002646691
Metabolism Metabolism of cofactors and vitamins	ko00130	Ubiquinone and other terpenoid qu	1 4 dihydroxy 2 naphthoate octaprenyltransferase EC 2 5 1	Vapor Type	Nicotine free	3.78188334	0.3333465	7.80E-30	9.88E-28

Metabolism Metabolism of other amino acids	ko00471	D Glutamine and D glutamate metabolism	glutamate racemase EC 5 1 1 3	Vapor Type	Nicotine free	2.9205952	0.64359985	5.68E-06	9.14E-05	
Metabolism Metabolism of other amino acids	ko00471	D Glutamine and D glutamate metabolism	glutamate racemase EC 5 1 1 3	Vapor Type	Nicotine plus	1.84605847	0.64425729	0.00416475	0.044299954	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	isocitrate dehydrogenase EC 1 1 1 42	Vapor Type	Nicotine free	4.89451177	0.24942254	4.28E-30	5.56E-28	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	isocitrate dehydrogenase EC 1 1 1 42	Vapor Type	Nicotine plus	3.36715537	0.4335105	8.03E-15	3.28E-13	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	glutathione reductase NADPH EC 1 8 1 7	Vapor Type	Nicotine free	3.44836886	0.49152161	2.29E-12	7.14E-11	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	glucose 6 phosphate 1 dehydrogenase EC 1 1 1 49 1 1 1 363	Vapor Type	Nicotine free	3.20656693	0.55935374	9.89E-09	2.17E-07	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	glutathione reductase NADPH EC 1 8 1 7	Vapor Type	Nicotine plus	2.40083877	0.49240211	1.08E-06	1.89E-05	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	ornithine decarboxylase EC 4 1 1 17	Biofilm type	Pathogen-rich	1.22292589	0.35009807	0.00407746	0.006018953	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	ornithine decarboxylase EC 4 1 1 17	Vapor Type	Nicotine free	1.07569759	0.3291142	0.00108133	0.01281637	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	glucose 6 phosphate 1 dehydrogenase EC 1 1 1 49 1 1 1 363	Vapor Type	Nicotine plus	1.79498846	0.5605612	0.0014987	0.01680652	
Metabolism Metabolism of other amino acids	ko00480	Glutathione metabolism	isocitrate dehydrogenase EC 1 1 1 42	Biofilm type	Intermediate	0.8359791	0.28691755	0.00357223	0.038613707	
Metabolism Metabolism of other amino acids	ko00450	Selenocompound metabolism	thioredoxin reductase NADPH EC 1 8 1 9	Vapor Type	Nicotine free	3.39298552	0.41757591	4.46E-16	2.07E-14	
Metabolism Metabolism of other amino acids	ko00450	Selenocompound metabolism	selenide water diase EC 2 7 9 3	Vapor Type	Nicotine free	3.96469141	0.49953229	2.07E-15	9.04E-14	
Metabolism Metabolism of other amino acids	ko00450	Selenocompound metabolism	sulfate adenylyltransferase EC 2 7 7 4	Vapor Type	Nicotine free	5.85186619	0.73891584	2.38E-15	1.03E-13	
Metabolism Metabolism of other amino acids	ko00450	Selenocompound metabolism	selenide water diase EC 2 7 9 3	Vapor Type	Nicotine plus	3.34323983	0.50115004	2.54E-11	7.11E-10	
Metabolism Metabolism of other amino acids	ko00450	Selenocompound metabolism	thioredoxin reductase NADPH EC 1 8 1 9	Vapor Type	Nicotine plus	2.21658377	0.41884888	1.21E-07	2.35E-06	
Metabolism Metabolism of other amino acids	ko00450	Selenocompound metabolism	sulfate adenylyltransferase EC 2 7 7 4	Vapor Type	Nicotine plus	3.55955108	0.7467566	1.87E-06	3.18E-05	
Metabolism Metabolism of terpenoids and polyketide	ko00281	Geranyl degradation	enoyl CoA hydratase EC 4 2 1 17	Vapor Type	Nicotine free	3.75503362	0.93833738	6.29E-05	0.00093706	
Metabolism Metabolism of terpenoids and polyketide	ko00281	Geranyl degradation	enoyl CoA hydratase EC 4 2 1 17	Biofilm type	Intermediate	-2.1615476	0.74473428	0.00370266	0.039918396	
Metabolism Metabolism of terpenoids and polyketide	ko00523	Polyketide sugar unit biosynthesis	DTDP 4 dehydrohormone reductase EC 1 1 1 133	Vapor Type	Nicotine plus	3.53893622	0.41402948	1.26E-17	6.68E-16	
Metabolism Metabolism of terpenoids and polyketide	ko00523	Polyketide sugar unit biosynthesis	tdTPA 4 dehydrohormone 3 5 epimerase EC 5 13 13	Vapor Type	Nicotine free	2.74010048	0.53304056	2.74E-07	5.10E-06	
Metabolism Metabolism of terpenoids and polyketide	ko00523	Polyketide sugar unit biosynthesis	tdTPA 4 dehydrohormone 3 5 epimerase EC 5 13 13	Vapor Type	Nicotine plus	1.99531479	0.53605497	0.00019748	0.002633968	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	octaprenyl diphosphate synthase EC 2 5 1 90	Vapor Type	Nicotine free	3.82951326	0.43010565	5.40E-19	3.26E-17	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	1 deoxy D xylulose 5 phosphate reductoisomerase EC 1 1 1 2	Vapor Type	Nicotine free	4.13238059	0.47634411	4.13E-18	2.29E-16	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	E 4 hydroxy 3 methylbut 2 enyl diphosphate synthase EC 1	Vapor Type	Nicotine free	4.24586256	0.49177137	5.93E-18	3.25E-16	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	hydroxymethylglutaryl CoA reductase EC 1 1 1 88	Vapor Type	Nicotine free	3.80837116	0.44862938	2.09E-17	1.08E-15	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	4 hydroxy 3 methylbut 2 en 1 yl diphosphate reductase EC 1	Vapor Type	Nicotine free	6.17884882	0.79671378	8.81E-15	3.57E-13	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	octaprenyl diphosphate synthase EC 2 5 1 90	Vapor Type	Nicotine plus	3.12381869	0.43229583	4.97E-13	1.67E-11	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	1 deoxy D xylulose 5 phosphate reductoisomerase EC 1 1 1 2	Vapor Type	Nicotine plus	3.44941554	0.72655128	5.68E-13	3.90E-11	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	E 4 hydroxy 3 methylbut 2 enyl diphosphate synthase EC 1	Vapor Type	Nicotine plus	3.5293662	0.4937328	6.35E-12	1.11E-10	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	2 methyl D erythritol 4 phosphate cytidyltransferase EC 1	Vapor Type	Nicotine free	4.93218884	0.76387232	1.07E-10	2.81E-09	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	4 hydroxy 3 methylbut 2 en 1 yl diphosphate reductase EC 1	Vapor Type	Nicotine plus	4.70647115	0.79705628	3.53E-09	8.07E-08	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	hydroxymethylglutaryl CoA reductase EC 1 1 1 88	Vapor Type	Nicotine plus	2.57425489	0.45016976	1.08E-08	2.34E-07	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	2 C methyl D erythritol 4 phosphate cytidyltransferase EC 1	Vapor Type	Nicotine plus	4.11067649	0.76495682	7.71E-08	1.53E-06	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	isopentenyl diphosphate Delta isomerase EC 5 33 2	Vapor Type	Nicotine free	2.75530005	0.62493763	1.04E-05	0.000161895	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	short chain Z isoprenyl diphosphate synthase EC 2 5 1 68	Biofilm type	Pathogen-rich	-2.4880102	0.57999031	1.78E-05	0.00270338	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	short chain Z isoprenyl diphosphate synthase EC 2 5 1 68	Biofilm type	Intermediate	-3.9686346	1.17920808	0.00076403	0.009286786	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	2 C methyl D erythritol 2 4 cyclophosphate synthase EC 1 4	Vapor Type	Nicotine free	2.19413447	0.70255272	0.00178964	0.020425856	
Metabolism Metabolism of terpenoids and polyketide	ko00900	Terpenoid backbone biosynthesis	1 deoxy D xylulose 5 phosphate synthase EC 2 21 7	Vapor Type	Nicotine free	1.82388744	0.60829096	0.00271419	0.030057941	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	heptaprenyl diphosphate synthase EC 2 5 1 30	Vapor Type	Nicotine free	5.0608914	0.57069203	1.76E-18	9.98E-17	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	rRNA dimethylallyltransferase EC 2 5 1 75	Vapor Type	Nicotine free	2.07377184	0.32227395	1.24E-10	3.23E-09	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	geranylgeranyl diphosphate synthase type II EC 2 5 1 1 25	Vapor Type	Nicotine free	3.26189288	0.53364464	9.81E-10	2.37E-08	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	heptaprenyl diphosphate synthase EC 2 5 1 30	Vapor Type	Nicotine plus	3.06271507	0.58193707	1.42E-07	2.72E-06	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	undecaprenyl diphosphate synthase EC 2 5 1 31	Vapor Type	Nicotine free	2.866451	0.63823582	7.08E-06	0.000112535	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	geranylgeranyl diphosphate synthase type II EC 2 5 1 1 25	Vapor Type	Nicotine plus	2.27856153	0.53471206	2.03E-05	0.000305751	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	heptaprenyl diphosphate synthase EC 2 5 1 30	Biofilm type	Intermediate	-0.4792435	0.11567614	3.43E-05	0.000503633	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	rRNA dimethylallyltransferase EC 2 5 1 75	Vapor Type	Nicotine plus	0.98555666	0.32390828	0.00234466	0.02620515	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	farnesyl diphosphate synthase EC 2 5 1 2 5 1 10	Vapor Type	Nicotine free	2.63389764	0.91746107	0.00409365	0.043693963	
Metabolism Metabolism of terpenoids and polyketide	ko01006	Prenyltransferases	15 cis phytylene all trans phytylene synthase EC 2 5 1 32 25	Biofilm type	Pathogen-rich	2.07493168	0.72655128	0.00429394	0.04531756	
Metabolism Metabolism of terpenoids and polyketide	ko01053	Biosynthesis of siderophore group nonribosomal	E 4 hydroxy 3 methylbut 2 enyl diphosphate synthase EC 1	Vapor Type	Nicotine free	3.5293662	0.4937328	6.35E-12	0.04531756	
Metabolism Metabolism of terpenoids and polyketide	ko01053	Biosynthesis of siderophore group nonribosomal	DTDP glucose 4 6 dehydratase EC 2 1 46	Vapor Type	Nicotine plus	3.69471568	0.31071585	1.32E-32	1.94E-30	
Metabolism Metabolism of terpenoids and polyketide	ko01053	Biosynthesis of siderophore group nonribosomal	DTDP glucose 4 6 dehydratase EC 2 1 46	Vapor Type	Nicotine plus	3.0667573	0.31263659	1.03E-22	8.25E-21	
Metabolism Metabolism of terpenoids and polyketide	ko00523	Polyketide sugar unit biosynthesis	DTDP 4 dehydrohormone reductase EC 1 1 1 133	Vapor Type	Nicotine free	4.14467808	0.41220928	8.75E-24	7.52E-22	
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	adenylate inase EC 2 7 4 3	Vapor Type	Nicotine free	3.6595996	0.17958834	2.65E-92	1.88E-89
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	adenylate inase EC 2 7 4 3	Vapor Type	Nicotine plus	2.66907539	0.18336278	5.33E-48	1.50E-45
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	nucleoside diphosphate inase EC 2 7 4 6	Vapor Type	Nicotine free	4.58255833	0.43877512	1.56E-25	1.52E-23
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	purine nucleosidase EC 3 2 2 1	Vapor Type	Nicotine free	4.55211514	0.40302414	1.39E-29	1.73E-27
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	ADP ribose pyrophosphatase EC 3 6 1 13	Vapor Type	Nicotine free	3.66384668	0.31451144	2.35E-31	3.26E-29
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoglucomutase EC 5 4 2 2	Vapor Type	Nicotine free	3.60067651	0.34738953	3.58E-25	3.39E-23
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	DNA directed RNA polymerase subunit omega EC 2 7 7 6	Vapor Type	Nicotine free	3.19581349	0.20710811	1.02E-53	3.46E-51
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylglycinamide formyltransferase 1 EC 2 1 2 2	Vapor Type	Nicotine free	3.50046966	0.15302166	8.12E-116	7.22E-113
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylglycinamide formyltransferase 1 EC 2 1 2 2	Vapor Type	Nicotine plus	2.36551312	0.15768245	7.15E-51	2.24E-48
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	DNA directed RNA polymerase subunit omega EC 2 7 7 6	Vapor Type	Nicotine plus	2.10899125	0.2139561	6.39E-23	5.19E-21
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	ADP ribose pyrophosphatase EC 3 6 1 13	Vapor Type	Nicotine plus	2.73183549	0.3162941	5.77E-18	3.16E-16
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	ribonucleoside diphosphate reductase beta chain EC 1 17 4	Vapor Type	Nicotine free	3.37461115	0.40300177	5.58E-17	2.78E-15
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	adenine phosphoribosyltransferase EC 2 4 2 7	Vapor Type	Nicotine free	2.75464271	0.33469794	1.87E-16	8.95E-15
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylformylglycinamide cyclo ligase EC 6 3 3 1	Vapor Type	Nicotine free	3.5234758	0.43930717	1.05E-15	4.74E-14
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	putative GTP pyrophosphatase EC 2 7 6 5	Vapor Type	Nicotine free	3.77012604	0.48912804	1.28E-14	5.13E-13
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylamine glycine ligase EC 3 4 1 3	Vapor Type	Nicotine free	3.62139705	0.47371334	2.08E-14	8.13E-13
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylamine formyltransferase 1 EC 2 1 2 2	Vapor Type	Nicotine free	3.5248782	0.55563132	6.35E-12	9.48E-13
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylaminimidazole succinocarboxamide synthase EC 2 4 2 7	Vapor Type	Nicotine free	3.51892457	0.47346803	1.07E-13	3.88E-12
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	nucleoside diphosphate inase EC 2 7 4 6	Vapor Type	Nicotine plus	3.17128047	0.44201313	7.25E-13	2.39E-11
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoglucomutase EC 5 4 2 2	Vapor Type	Nicotine plus	2.48375315	0.34826158	9.90E-13	3.22E-11
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	guanylate inase EC 2 7 4 8	Vapor Type	Nicotine free	3.0858405	0.45258816	9.22E-12	2.70E-10
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	GTP pyrophosphatase EC 2 7 6 5	Vapor Type	Nicotine free	3.92658494	0.49240392	2.16E-11	6.10E-10
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	purine nucleosidase EC 3 2 2 1	Vapor Type	Nicotine plus	2.69697279	0.409791	4.67E-11	1.27E-09
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	adenylate inase EC 2 7 4 3	Biofilm type	Intermediate	-0.3426199	0.05893454	6.12E-09	1.37E-07
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	ribonucleoside diphosphate reductase beta chain EC 1 17 4	Vapor Type	Nicotine plus	2.31354404	0.40399501	1.02E-08	2.24E-07
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	ribose phosphate pyrophosphatase EC 2 7 6 1	Vapor Type	Nicotine free	3.03307944	0.54026973	1.98E-08	4.11E-07
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylformylglycinamide cyclo ligase EC 6 3 3 1	Vapor Type	Nicotine plus	2.391056	0.44003183	5.52E-08	1.19E-06
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylglycinamide formyltransferase 1 EC 2 1 2 2	Biofilm type	Pathogen-rich	-0.2822738	0.05336365	1.23E-07	2.38E-06
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylaminimidazole succinocarboxamide synthase EC 2 4 2 7	Vapor Type	Nicotine plus	2.43915678	0.47436886	2.72E-07	5.07E-06
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	phosphoribosylamine glycine ligase EC 3 4 1 3	Vapor Type	Nicotine plus	2.43224811	0.47446997	2.96E-07	5.48E-06
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	adenine phosphoribosyltransferase EC 2 4 2 7	Vapor Type	Nicotine plus	1.7285779	0.33915322	3.46E-07	6.36E-06
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	xanthine phosphoribosyltransferase EC 2 4 2 22	Vapor Type	Nicotine free	2.91315016	0.57482708	4.02E-07	7.35E-06
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	putative GTP pyrophosphatase EC 2 7 6 5	Vapor Type	Nicotine plus	2.42431604	0.49098265	7.91E-07	1.40E-05
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	GTP diphosphatase guanosine 3 5 bis diphosphate 3 dir	Vapor Type	Nicotine free	3.0861088	0.63388355	1.13E-06	1.96E-05
Metabolism Nucleotide metabolism	ko0230	Purine metabolism	core	guanylate inase EC 2 7 4 8	Vapor Type	Nicotine plus	2.06620581	0.4536275	5.24E-06	8.46E-05
Metabolism Nucleotide metabolism										

Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		carbamoyl phosphate synthase large subunit EC 6 3 5 5	Vapor Type	Nicotine free	3.11505339	0.62194907	5.48E-07	9.87E-06
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		5 nucleotidase EC 3 1 3 5	Vapor Type	Nicotine plus	2.52302657	0.50692827	6.45E-07	1.15E-05
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		CMP dCMP inase EC 2 7 4 25	Vapor Type	Nicotine free	2.84756996	0.57627027	7.76E-07	1.37E-05
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		dTMP inase EC 2 7 4 9	Vapor Type	Nicotine plus	2.06432245	0.42314946	1.07E-06	1.87E-05
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		dUTP pyrophosphatase EC 3 6 1 23	Vapor Type	Nicotine plus	2.26508983	0.47410624	1.77E-06	3.02E-05
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		aspartate carbamoyltransferase catalytic subunit EC 2 13 2	Vapor Type	Nicotine plus	2.06487339	0.45766433	6.42E-06	0.000102594
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		dihydroorotase EC 3 5 2 3	Vapor Type	Nicotine plus	2.02265421	0.45501092	8.78E-06	0.000138118
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		dihydroorotate dehydrogenase NAD catalytic subunit EC 1	Vapor Type	Nicotine free	2.78944668	0.63726114	1.20E-05	0.000185619
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		CTP synthase EC 6 3 4 2	Vapor Type	Nicotine plus	2.04039804	0.43670127	3.80E-05	0.000383225
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		pyrimidine operon attenuation protein uracil phosphoribos	Biofilm type	Pathogen-rich	0.3667699	0.0656731	1.86E-05	0.000701153
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		pyridine 5-phosphatase decarboxylase EC 4 1 1 23	Vapor Type	Nicotine plus	1.81727753	0.46918771	0.0001074	0.001480619
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		orotate phosphoribosyltransferase EC 2 4 2 10	Vapor Type	Nicotine plus	1.72125716	0.48203958	0.00035592	0.004594125
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		carbamoyl phosphate synthase small subunit EC 6 3 5 5	Vapor Type	Nicotine plus	1.93128143	0.54312831	0.00037676	0.004842326
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		dihydroorotate dehydrogenase electron transfer subunit	Vapor Type	Nicotine free	2.35479759	0.70549112	0.0008444	0.010198667
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		carbamoyl phosphate synthase large subunit EC 6 3 5 5	Vapor Type	Nicotine plus	2.04780566	0.62222593	0.00097978	0.011913147
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		CMP dCMP inase EC 2 7 4 25	Vapor Type	Nicotine plus	1.88163904	0.57745572	0.00112003	0.013242319
Metabolism Nucleotide metabolism	ko00240	Pyrimidine metabolism		dihydroorotate dehydrogenase NAD catalytic subunit EC 1	Vapor Type	Nicotine plus	1.86187826	0.638122	0.0035258	0.038158273
Metabolism Xenobiotics biodegradation and metabo	ko00362	Benzoate degradation	core	acetyl CoA Acetyltransferase EC 2 3 1 9	Vapor Type	Nicotine free	3.06069268	0.09332671	6.83E-236	1.35E-232
Metabolism Xenobiotics biodegradation and metabo	ko00362	Benzoate degradation	core	acetyl CoA Acetyltransferase EC 2 3 1 9	Vapor Type	Nicotine plus	1.53229925	0.10058543	2.11E-52	6.90E-50
Metabolism Xenobiotics biodegradation and metabo	ko00362	Benzoate degradation		4-carboxymuconolactone decarboxylase EC 4 1 1 44	Biofilm type	Pathogen-rich	-0.5965288	0.74212637	6.54E-12	1.94E-10
Metabolism Xenobiotics biodegradation and metabo	ko00362	Benzoate degradation		4-carboxymuconolactone decarboxylase EC 4 1 1 44	Biofilm type	Pathogen-rich	-4.1358911	0.7439287	2.71E-08	5.63E-07
Metabolism Xenobiotics biodegradation and metabo	ko00362	Benzoate degradation		acetyl CoA Acetyltransferase EC 2 3 1 9	Biofilm type	Intermediate	-0.2291404	0.04458354	2.75E-07	5.13E-06
Metabolism Xenobiotics biodegradation and metabo	ko00362	Benzoate degradation		4-hydroxy 2-oxovalerate 4-hydroxy 2-oxoheptanoate aldolase	Biofilm type	Pathogen-rich	-2.4235683	0.82380319	0.00326062	0.03591818
Metabolism Xenobiotics biodegradation and metabo	ko00625	Chloroalane and chloroalene degradation		5-hydroxymethyl glutathione dehydrogenasealcohol dehydr	Vapor Type	Nicotine free	3.6282059	0.67125989	6.48E-08	1.30E-06
Metabolism Xenobiotics biodegradation and metabo	ko00625	Chloroalane and chloroalene degradation		S hydroxymethyl glutathione dehydrogenasealcohol dehydr	Vapor Type	Nicotine plus	2.95258224	0.67658073	1.28E-05	0.000196791
Metabolism Xenobiotics biodegradation and metabo	ko00361	Chlorocyclohexane and chlorobenzene degradatio		phenol hydroxylase P5 protein	Biofilm type	Pathogen-rich	2.55858238	0.81655648	0.00172805	0.019773742
Metabolism Xenobiotics biodegradation and metabo	ko00982	Drug metabolism cytochrome P450	core	alcohol dehydrogenase EC 1 1 1 1	Vapor Type	Nicotine free	4.70800211	0.40379478	2.06E-31	2.86E-29
Metabolism Xenobiotics biodegradation and metabo	ko00982	Drug metabolism cytochrome P450		alcohol dehydrogenase EC 1 1 1 1	Vapor Type	Nicotine plus	2.46302413	0.40960539	1.82E-09	4.29E-08
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes	core	uridine inase EC 2 7 1 48	Vapor Type	Nicotine plus	2.19539685	0.09336644	2.80E-122	2.62E-119
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes	core	uridine inase EC 2 7 1 48	Vapor Type	Nicotine plus	1.29481842	0.10187933	1.46E-08	5.72E-26
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		uridine inase EC 2 7 1 48	Biofilm type	Intermediate	-0.4255311	0.06003928	1.37E-12	4.38E-11
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		hypoxanthine phosphoribosyltransferase EC 2 4 2 8	Vapor Type	Nicotine free	3.63737394	0.53420726	9.94E-12	2.90E-10
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		thymidine inase EC 2 7 1 21	Vapor Type	Nicotine free	3.17554694	0.48442392	5.55E-11	1.50E-09
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		uridine inase EC 2 7 1 48	Biofilm type	Pathogen-rich	-0.3268154	0.0583083	2.08E-08	4.39E-07
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		hypoxanthine phosphoribosyltransferase EC 2 4 2 8	Vapor Type	Nicotine plus	2.68454504	0.53505454	7.43E-07	1.32E-05
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		thymidine inase EC 2 7 1 21	Vapor Type	Nicotine plus	2.0059149	0.48690066	3.79E-05	0.000554866
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		uridine phosphorylase EC 2 4 2 3	Biofilm type	Pathogen-rich	-1.9430762	0.5622521	0.0005485	0.006838521
Metabolism Xenobiotics biodegradation and metabo	ko00983	Drug metabolism other enzymes		uridine phosphorylase EC 2 4 2 3	Biofilm type	Intermediate	-2.5790916	0.7496161	0.00058053	0.007190847
Metabolism Xenobiotics biodegradation and metabo	ko00623	Toluene degradation		phenol hydroxylase P2 protein	Biofilm type	Pathogen-rich	-2.2586674	0.79627657	0.00455699	0.047946017
Metabolism Xenobiotics biodegradation and metabo	ko00622	Xylene degradation		aminomucronate semialdehyde 2-hydroxymuconate 6 semia	Biofilm type	Pathogen-rich	-2.956497	0.79480106	0.0038729	0.016062292
Organismal Systems Aging	ko04213	Longevity regulating pathway multi	core	catalase EC 1 11 1 6	Vapor Type	Nicotine free	4.29918886	0.28911468	5.15E-50	1.58E-47
Organismal Systems Aging	ko04213	Longevity regulating pathway multi	core	catalase EC 1 11 1 6	Vapor Type	Nicotine plus	3.14234999	0.29187026	4.97E-27	5.25E-25
Organismal Systems Aging	ko04213	Longevity regulating pathway multiple species		superoxide dismutase Fe Mn family EC 1 15 1 1	Vapor Type	Nicotine free	2.81593507	0.52496773	8.14E-08	1.62E-06
Organismal Systems Aging	ko04213	Longevity regulating pathway multiple species		superoxide dismutase Fe Mn family EC 1 15 1 1	Vapor Type	Nicotine plus	1.72801387	0.52584035	0.00101551	0.012103447
Organismal Systems Aging	ko04212	Longevity regulating pathway worm	core	ATP dependent Clp protease protease subunit EC 3 4 21 92	Vapor Type	Nicotine free	3.8763463	0.27173126	3.60E-46	9.22E-44
Organismal Systems Aging	ko04212	Longevity regulating pathway worm		ATP dependent Clp protease protease subunit EC 3 4 21 92	Vapor Type	Nicotine plus	2.69724213	0.27444676	8.36E-23	6.75E-21
Organismal Systems Digestive system	ko04978	Mineral absorption		copper chaperone	Vapor Type	Nicotine free	4.68426302	0.17531376	6.65E-11	1.78E-09
Organismal Systems Digestive system	ko04978	Mineral absorption		copper chaperone	Vapor Type	Nicotine plus	3.54791721	0.72129913	8.71E-07	1.53E-05
Organismal Systems Digestive system	ko04978	Protein digestion and absorption		elastin	Vapor Type	Nicotine plus	4.53287978	0.51532339	1.95E-18	9.16E-17
Organismal Systems Digestive system	ko04974	Protein digestion and absorption		elastin	Vapor Type	Nicotine free	1.27591121	0.516105	1.50E-08	5.74E-15
Organismal Systems Endocrine system	ko04922	Glucagon signaling pathway		pyruvate dehydrogenase E1 component beta subunit EC 1 2	Vapor Type	Nicotine free	3.73962529	0.50568611	1.11E-11	3.23E-10
Organismal Systems Endocrine system	ko04922	Glucagon signaling pathway		pyruvate dehydrogenase E1 component beta subunit EC 1 2	Vapor Type	Nicotine plus	2.47130092	0.55205645	7.59E-06	0.000120191
Organismal Systems Endocrine system	ko03320	PPAR signaling pathway	core	glycerol inase EC 2 7 1 30	Vapor Type	Nicotine free	2.43230847	0.58969539	3.71E-05	0.000543575
Organismal Systems Endocrine system	ko04917	Prolactin signaling pathway		UDP-glucose hexose 1-phosphate uridylyltransferase EC 27	Vapor Type	Nicotine free	2.43927217	0.65405136	0.00019187	0.002566286
Organismal Systems Endocrine system	ko04918	Thyroid hormone synthesis	core	glutathione peroxidase EC 1 11 1 9	Vapor Type	Nicotine free	3.31160538	0.38725814	1.22E-17	6.47E-16
Organismal Systems Endocrine system	ko04918	Thyroid hormone synthesis		glutathione peroxidase EC 1 11 1 9	Vapor Type	Nicotine plus	2.21244093	0.38949335	1.34E-08	2.90E-07
Organismal Systems Immune system	ko04621	NOD like receptor signaling pathway	core	calcium uniporter protein mitochondrial	Vapor Type	Nicotine plus	-4.6179359	1.09475511	2.46E-05	0.000367175
Organismal Systems Immune system	ko04621	NOD like receptor signaling pathway		calcium uniporter protein mitochondrial	Biofilm type	Intermediate	4.85150936	1.23453329	8.50E-05	0.001188183
Organismal Systems Immune system	ko04621	NOD like receptor signaling pathway		calcium uniporter protein mitochondrial	Vapor Type	Nicotine free	-5.656538	1.83291532	0.00202809	0.022926507
Organismal Systems Immune system	ko04660	T cell receptor signaling pathway	core	E3 ubiquitin protein ligase CBL EC 2 3 2 27	Vapor Type	Nicotine plus	-3.3128834	0.62470095	1.14E-07	2.22E-06
Organismal Systems Immune system	ko04660	T cell receptor signaling pathway	core	E3 ubiquitin protein ligase CBL EC 2 3 2 27	Vapor Type	Nicotine free	-3.4154329	0.65638668	1.96E-07	3.70E-06
Organismal Systems Immune system	ko04660	T cell receptor signaling pathway		E3 ubiquitin protein ligase CBL EC 2 3 2 27	Biofilm type	Intermediate	3.75669155	0.77184065	1.13E-06	1.97E-05
Organismal Systems Sensory system	ko04742	Taste transduction		amiloride sensitive sodium channel subunit beta	Vapor Type	Nicotine free	4.89068389	0.91852587	1.01E-07	1.99E-06
Organismal Systems Sensory system	ko04742	Taste transduction		taste receptor type 2	Vapor Type	Nicotine plus	3.2612563	0.61790457	1.31E-07	2.52E-06
Organismal Systems Sensory system	ko04742	Taste transduction		amiloride sensitive sodium channel subunit beta	Vapor Type	Nicotine plus	4.79516614	0.91886919	1.80E-07	3.42E-06
Organismal Systems Sensory system	ko04742	Taste transduction		taste receptor type 2	Vapor Type	Nicotine free	3.19695732	0.61792648	2.30E-07	4.31E-06
Other			core	K00243	Vapor Type	Nicotine free	4.17643143	0.32478787	7.66E-38	1.47E-35
Other			core	K00243	Vapor Type	Nicotine plus	3.1604571	0.32621265	3.38E-22	2.65E-20
Other				K002782	Vapor Type	Nicotine free	4.18207752	0.58073282	5.95E-13	1.98E-11
Other				K002782	Vapor Type	Nicotine plus	3.15791609	0.58303031	6.50E-08	3.30E-06
Other				K01163	Vapor Type	Nicotine free	4.79944379	0.70519284	1.00E-11	2.93E-10
Other				K01163	Vapor Type	Nicotine plus	3.99504539	0.70582329	1.57E-08	3.35E-07
Other				K01421	Vapor Type	Nicotine free	3.71401185	0.68594775	6.15E-08	1.23E-06
Other				K01421	Vapor Type	Nicotine plus	2.39239518	0.68640999	0.00049001	0.006169881
Other				K01993	Vapor Type	Nicotine free	3.47444016	0.36277376	9.95E-22	7.46E-20
Other				K01993	Vapor Type	Nicotine plus	2.84094275	0.36558861	7.79E-15	3.19E-13
Other				K02005	Vapor Type	Nicotine free	3.556348	0.57463698	6.06E-10	1.49E-08
Other				K02005	Vapor Type	Nicotine plus	2.33923372	0.57555342	4.82E-05	0.000694852
Other				K02039	Vapor Type	Nicotine free	3.66056096	0.41447013	1.03E-18	6.04E-17
Other				K02039	Vapor Type	Nicotine plus	2.4589557	0.41685718	3.66E-09	8.36E-08
Other				K02086	Vapor Type	Nicotine free	3.68386231	0.49526515	1.02E-13	3.71E-12
Other				K02086	Vapor Type	Nicotine plus	2.51748661	0.49770022	4.25E-07	7.73E-06
Other				K02348	Vapor Type	Nicotine free	2.99262294	0.47575688	3.17E-10	7.95E-09
Other				K02348	Vapor Type	Nicotine plus	1.82215341	0.50038092	0.00027102	0.003550899
Other				K02348	Biofilm type	Intermediate	-0.719682	0.22273349	0.00052849	0.00606105
Other				K02348	Biofilm type	Pathogen-rich	-0.6716362	0.21534017	0.00181494	0.020696898
Other				K02351	Biofilm type	Pathogen-rich	-2.5634652	0.37581375	9.03E-12	2.65E-10
Other				K02351	Biofilm type	Intermediate	-3.9805739	0.74201995	8.12E-08	1.61E-06
Other				K02379	Vapor Type	Nicotine free	4.88010447	0.7759208	8.82E-10	1.43E-08
Other				K02379	Vapor Type	Nicotine plus	3.23964549	0.79336323	0.00013015	0.00174565
Other				K02494	Vapor Type	Nicotine free	3.40054952	1.04986875	0.0011994	0.014102836
Other				K02494	Vapor Type	Nicotine plus	3.06677552	1.05525313	0.00377413	0.00614956
Other				K02566	Biofilm type	Pathogen-rich	-2.2130044	0.5514316	5.99E-05	0.00084098
Other				K02566	Vapor Type	Nicotine free	3.0971722	0.79618236	0.00010023	0.001387225
Other				K02566	Biofilm type	Intermediate	-2.9660318	0.78203909	0.00014902	0.002021572
Other				K03095	Vapor Type	Nicotine free	3.54237136	0.41457992	1.29E-17	6.85E-16
Other				K03095	Vapor Type	Nicotine plus	2.40953202	0.42006948	9.69E-09	2.13E-07
Other				K03187	Vapor Type	Nicotine free	6.17511072	1.94031683	0.00145996	0.01689248
Other										

Other			core	K03300	Biofilm type	Intermediate	-1.7544277	0.42167415	3.17E-05	0.000467923
Other				K03300	Biofilm type	Pathogen-rich	-1.408666	0.36538486	0.00011559	0.00158865
Other				K03300	Vapor Type	Nicotine plus	2.06150729	0.58580758	0.00043304	0.005511107
Other				K03300	Vapor Type	Nicotine free	2.02785843	0.58693797	0.00055034	0.00685502
Other				K03305	Vapor Type	Nicotine free	3.8588353	0.40117977	6.67E-22	5.11E-20
Other				K03305	Vapor Type	Nicotine plus	1.96463914	0.40859407	1.52E-06	2.61E-05
Other				K03306	Vapor Type	Nicotine free	4.80319535	0.47057685	1.84E-24	1.67E-22
Other				K03306	Vapor Type	Nicotine plus	3.62877729	0.47253126	1.60E-14	6.32E-13
Other		core		K03307	Vapor Type	Nicotine free	4.03073138	0.38727988	1.33E-25	1.30E-23
Other		core		K03307	Vapor Type	Nicotine plus	2.54740211	0.3906207	6.96E-11	1.86E-09
Other		core		K03308	Vapor Type	Nicotine free	1.68803352	0.05707387	3.02E-192	4.73E-189
Other		core		K03308	Vapor Type	Nicotine plus	0.56816762	0.06562468	4.81E-18	2.66E-16
Other				K03308	Biofilm type	Intermediate	-0.1605096	0.04680876	0.0006057	0.007476502
Other				K03308	Biofilm type	Pathogen-rich	0.13476697	0.04345813	0.00192819	0.021880707
Other				K03309	Vapor Type	Nicotine free	1.77966655	0.61364384	0.0037297	0.040201713
Other				K03310	Vapor Type	Nicotine free	2.38463935	0.54247359	1.10E-05	0.000170992
Other				K03311	Vapor Type	Nicotine free	3.19530679	0.44853549	1.05E-12	3.41E-11
Other				K03311	Vapor Type	Nicotine plus	2.05050069	0.44925873	5.01E-06	8.11E-05
Other				K03311	Vapor Type	Nicotine free	2.53953131	0.55692381	5.12E-06	8.26E-05
Other				K03319	Vapor Type	Nicotine free	4.73123226	0.55268646	1.12E-17	6.01E-16
Other				K03319	Vapor Type	Nicotine plus	3.89690049	0.5529316	1.82E-12	5.74E-11
Other				K03328	Vapor Type	Nicotine free	4.9642779	0.39014147	4.33E-37	8.08E-35
Other				K03328	Vapor Type	Nicotine plus	2.84767291	0.39898803	1.07E-12	3.47E-11
Other				K03328	Biofilm type	Pathogen-rich	0.40345524	0.07423733	5.49E-08	1.11E-06
Other				K03451	Vapor Type	Nicotine free	6.49620693	0.8523184	2.50E-14	9.70E-13
Other				K03451	Vapor Type	Nicotine plus	4.24559992	0.85704874	7.28E-07	1.29E-05
Other				K03453	Vapor Type	Nicotine free	3.73427733	0.50299884	1.14E-13	4.11E-12
Other				K03453	Vapor Type	Nicotine plus	3.35556084	0.50390464	2.75E-11	7.70E-10
Other				K03455	Vapor Type	Nicotine free	5.09174757	0.48918361	4.10E-25	3.83E-23
Other				K03455	Vapor Type	Nicotine plus	3.43666839	0.49597793	4.24E-12	1.28E-10
Other				K03457	Vapor Type	Nicotine free	5.54794044	1.07079568	2.21E-07	4.15E-06
Other				K03457	Biofilm type	Intermediate	-2.1407916	0.64398192	0.0008864	0.010667163
Other				K03457	Vapor Type	Nicotine plus	3.38648019	1.0832853	0.00177129	0.020229445
Other				K03458	Vapor Type	Nicotine free	4.57401814	0.53260902	8.85E-18	4.79E-16
Other				K03458	Vapor Type	Nicotine plus	3.95196189	0.53335856	1.27E-13	4.54E-12
Other				K03521	Vapor Type	Nicotine free	3.26672268	0.51078981	1.60E-10	4.14E-09
Other				K03521	Vapor Type	Nicotine plus	2.69772001	0.51252914	1.41E-07	2.71E-06
Other				K03521	Biofilm type	Intermediate	-1.3783402	0.48141396	0.00419507	0.04460467
Other				K03545	Vapor Type	Nicotine free	3.30847205	0.56648426	5.21E-09	1.17E-07
Other				K03545	Vapor Type	Nicotine plus	2.29720104	0.56696068	5.08E-05	0.000731587
Other				K03630	Vapor Type	Nicotine free	2.90180857	0.12863421	1.11E-112	9.36E-110
Other				K03630	Vapor Type	Nicotine plus	1.93602062	0.1339701	2.47E-47	6.74E-45
Other				K03630	Biofilm type	Intermediate	-0.4231711	0.06152883	6.09E-12	1.81E-10
Other				K03630	Biofilm type	Pathogen-rich	-0.1761562	0.05732263	0.00211872	0.023871351
Other				K03642	Vapor Type	Nicotine free	2.50518012	0.75442332	0.00089806	0.010795379
Other				K03642	Vapor Type	Nicotine plus	2.20824518	0.76079245	0.00370127	0.039911439
Other				K03642	Biofilm type	Pathogen-rich	1.82589476	0.64102671	0.00439409	0.046507385
Other				K03647	Vapor Type	Nicotine free	3.62531674	0.43038803	3.54E-17	1.80E-15
Other				K03647	Vapor Type	Nicotine plus	2.46921305	0.43284348	1.17E-08	2.53E-07
Other				K03664	Vapor Type	Nicotine free	1.93697031	0.47198684	4.89E-10	1.21E-08
Other				K03664	Vapor Type	Nicotine plus	1.82058961	0.47432185	0.00012389	0.001694835
Other				K03670	Vapor Type	Nicotine free	1.78194617	0.51275293	0.00051037	0.006396083
Other				K03670	Biofilm type	Pathogen-rich	1.27384836	0.43499151	0.00340663	0.037003718
Other				K03688	Vapor Type	Nicotine free	2.86876975	0.61382394	2.96E-06	4.90E-05
Other				K03688	Vapor Type	Nicotine plus	2.64312931	0.6157883	1.77E-05	0.000268161
Other				K03690	Vapor Type	Nicotine free	2.50960768	0.7814716	0.00132096	0.015409845
Other		core		K03690	Vapor Type	Nicotine plus	2.32380324	0.78578337	0.00310338	0.033979772
Other				K03744	Vapor Type	Nicotine free	2.96047553	0.6000346	1.27E-06	2.20E-05
Other				K03744	Vapor Type	Nicotine plus	1.94436255	0.60090669	0.00121339	0.014251608
Other				K03753	Vapor Type	Nicotine free	4.5688431	0.61696349	1.31E-13	4.67E-12
Other				K03753	Vapor Type	Nicotine plus	2.59340554	0.63632049	4.59E-05	0.000663909
Other				K03808	Vapor Type	Nicotine free	1.9731567	0.61087443	0.00123767	0.014506947
Other		core		K03855	Biofilm type	Pathogen-rich	-2.235439	0.57217352	9.35E-05	0.001298465
Other		core		K03855	Vapor Type	Nicotine free	3.1665947	0.85870516	0.00022634	0.002994261
Other		core		K03855	Biofilm type	Intermediate	-3.089584	0.85208372	0.00028794	0.003763325
Other				K03925	Vapor Type	Nicotine free	4.765913	0.54318748	1.72E-18	9.82E-17
Other				K03925	Vapor Type	Nicotine plus	3.68372834	0.5472244	1.68E-11	4.78E-10
Other				K03926	Vapor Type	Nicotine free	2.87524785	1.01116145	0.00446196	0.047113476
Other		core		K03963	Vapor Type	Nicotine free	3.64310393	0.80561978	0.00029149	0.003808947
Other				K03965	Vapor Type	Nicotine plus	1.30311661	0.93865431	1.08E-05	0.000167862
Other				K03975	Vapor Type	Nicotine plus	3.12313005	0.94814762	0.00098798	0.011804364
Other				K04023	Vapor Type	Nicotine free	3.14644362	0.34526682	8.01E-20	5.21E-18
Other				K04023	Vapor Type	Nicotine plus	2.24323276	0.34998124	1.46E-10	3.79E-09
Other				K04026	Vapor Type	Nicotine free	4.05387805	0.58201948	3.28E-12	1.00E-10
Other				K04026	Vapor Type	Nicotine plus	3.1389585	0.58940205	1.01E-07	1.98E-06
Other				K04026	Biofilm type	Intermediate	-0.5706221	0.15591844	0.00025246	0.0033192
Other				K04026	Biofilm type	Pathogen-rich	-0.5299679	0.15392129	0.00057507	0.007134724
Other				K04028	Vapor Type	Nicotine free	2.85429351	0.41943249	1.01E-11	2.94E-10
Other				K04028	Vapor Type	Nicotine plus	1.8683152	0.43820431	2.01E-05	0.000302727
Other				K04029	Vapor Type	Nicotine free	2.86003066	0.35904464	1.64E-15	7.22E-14
Other				K04029	Vapor Type	Nicotine plus	1.87376672	0.37503546	5.85E-07	1.05E-05
Other				K04029	Biofilm type	Intermediate	-0.493713	0.17253922	0.00421703	0.044811288
Other				K04030	Vapor Type	Nicotine free	3.04025441	0.37469681	4.90E-16	2.27E-14
Other				K04030	Vapor Type	Nicotine plus	2.1096841	0.38760716	5.24E-08	1.06E-06
Other				K04031	Vapor Type	Nicotine free	3.0694546	0.41652814	1.72E-13	6.07E-12
Other		core		K04031	Vapor Type	Nicotine plus	2.1327791	0.43063043	7.32E-07	1.30E-05
Other		core		K04031	Biofilm type	Intermediate	-0.6424714	0.18561153	0.00053742	0.006711168
Other				K04096	Vapor Type	Nicotine free	3.3953558	0.38344071	8.37E-19	4.95E-17
Other				K04096	Vapor Type	Nicotine plus	2.53936992	0.38430975	4.65E-11	1.27E-09
Other				K04488	Vapor Type	Nicotine free	4.13098736	0.21406809	1.21E-78	7.52E-76
Other				K04488	Vapor Type	Nicotine plus	2.73563411	0.21842595	5.50E-36	9.64E-34
Other				K04488	Biofilm type	Intermediate	-0.2012469	0.10841499	0.00464218	0.048746061
Other		core		K04653	Vapor Type	Nicotine free	4.54077826	0.80564454	1.74E-08	3.70E-07
Other				K04653	Vapor Type	Nicotine plus	3.37011389	0.81008864	3.18E-05	0.000468706
Other				K04654	Vapor Type	Nicotine free	4.12580248	0.60840694	1.19E-11	3.44E-10
Other				K04654	Vapor Type	Nicotine plus	3.3178949	0.60966352	5.26E-08	1.06E-06
Other				K04655	Vapor Type	Nicotine free	4.41788874	0.66438941	2.94E-11	8.18E-10
Other				K04655	Vapor Type	Nicotine plus	3.50543849	0.66547883	1.38E-07	2.66E-06
Other				K04656	Vapor Type	Nicotine free	3.66105594	0.43108669	2.02E-17	1.05E-15
Other		core		K04656	Vapor Type	Nicotine plus	3.07783795	0.43212487	1.06E-12	3.44E-11
Other				K04750	Vapor Type	Nicotine free	3.12483839	0.58380169	8.67E-08	1.72E-06
Other				K04750	Vapor Type	Nicotine plus	2.54826032	0.59330716	1.75E-05	0.000265474
Other				K04750	Biofilm type	Intermediate	-1.0385154	0.24400202	2.08E-05	0.000312557
Other				K04750	Biofilm type	Pathogen-rich	-0.9477616	0.23605823	5.95E-05	0.000488012
Other		core		K04754	Vapor Type	Nicotine free	2.00294575	0.6234729	0.00131556	0.015350267
Other		core		K04754	Vapor Type	Nicotine plus	1.82820073	0.62706161	0.00355114	0.038401335
Other		core		K04755	Vapor Type	Nicotine free	3.42490075	1.15109875	0.00292672	0.032184235
Other				K04767	Vapor Type	Nicotine free	3.05715365	0.6504537	2.60E-06	4.94E-05
Other				K04767	Vapor Type	Nicotine plus	2.14008471	0.65187432	0.00103719	0.012238012
Other				K05337	Vapor Type	Nicotine free	4.84038244	0.96842931	5.79E-07	1.04E-05
Other				K05337	Vapor Type	Nicotine plus	3.87993891	0.9745344	6.85E-05	0.000969633
Other				K05794	Vapor Type	Nicotine free	4.65377408	1.34456403	0.00053782	0.006713232
Other				K05795	Vapor Type	Nicotine free	3.63294656	0.47129072	1.27E-14	5.10E-13

Other				K05795	Vapor Type	Nicotine plus	2.53455606	0.47760349	1.12E-07	2.18E-06
Other				K05795	Biofilm type	Intermediate	-1.3121125	0.39178333	0.00081081	0.009826334
Other				K05805	Vapor Type	Nicotine free	3.32466728	0.97868204	0.00068108	0.008337422
Other				K05805	Vapor Type	Nicotine plus	3.0637363	0.98261473	0.00182118	0.020749648
Other			core	K05805	Biofilm type	Pathogen-rich	1.97028486	0.68542817	0.00404627	0.043264134
Other			core	K06142	Vapor Type	Nicotine free	5.2353349	0.8043318	7.57E-11	2.02E-09
Other				K06142	Vapor Type	Nicotine plus	4.15799233	0.80528021	2.42E-07	4.55E-06
Other				K06191	Vapor Type	Nicotine free	2.58431126	0.28094418	3.62E-20	2.44E-18
Other				K06191	Vapor Type	Nicotine plus	1.78827375	0.2925883	1.97E-10	2.40E-08
Other				K06192	Vapor Type	Nicotine free	2.30056676	0.62521034	0.00023354	0.003083295
Other				K06192	Vapor Type	Nicotine plus	2.04655952	0.62914238	0.00114219	0.013477795
Other				K06192	Biofilm type	Pathogen-rich	1.73385868	0.57912563	0.00275414	0.030449717
Other				K06193	Vapor Type	Nicotine free	2.78691696	0.51836518	7.60E-08	1.51E-06
Other				K06193	Vapor Type	Nicotine plus	1.90275032	0.52067268	0.00025778	0.003385703
Other				K06194	Vapor Type	Nicotine free	2.69664296	0.88093461	0.00220514	0.024744321
Other				K06195	Biofilm type	Pathogen-rich	2.25620869	0.79742982	0.00466425	0.048929696
Other			core	K06198	Vapor Type	Nicotine free	3.46326687	0.60244423	8.99E-09	1.98E-07
Other				K06198	Vapor Type	Nicotine plus	2.38118353	0.60398052	8.06E-05	0.001131663
Other				K06200	Vapor Type	Nicotine free	3.83680456	0.40569291	3.16E-21	2.29E-19
Other				K06200	Vapor Type	Nicotine plus	3.12664795	0.40702197	1.57E-14	6.21E-13
Other				K06201	Vapor Type	Nicotine free	3.04598067	0.3321776	4.74E-20	3.16E-18
Other				K06201	Vapor Type	Nicotine plus	2.17379791	0.33506193	8.71E-11	2.31E-09
Other				K06206	Vapor Type	Nicotine free	4.25991471	0.44536909	1.12E-21	8.39E-20
Other				K06206	Vapor Type	Nicotine plus	3.49047833	0.44734407	6.06E-15	2.51E-13
Other				K06207	Vapor Type	Nicotine free	3.29687646	0.55117044	2.21E-09	5.16E-08
Other				K06207	Vapor Type	Nicotine plus	2.1816053	0.55158596	7.65E-05	0.00107675
Other			core	K06217	Vapor Type	Nicotine free	3.02459671	0.28956541	1.54E-25	1.50E-23
Other			core	K06217	Vapor Type	Nicotine plus	2.03747195	0.29113237	2.59E-12	8.03E-11
Other			core	K06287	Vapor Type	Nicotine free	3.41382528	0.29211001	1.67E-15	7.31E-14
Other			core	K06287	Vapor Type	Nicotine plus	2.84011472	0.41318303	4.80E-11	3.31E-09
Other			core	K06346	Vapor Type	Nicotine free	3.66796369	0.51879512	1.55E-12	4.93E-11
Other			core	K06346	Vapor Type	Nicotine plus	2.74817046	0.51966995	1.23E-07	2.39E-06
Other			core	K06381	Vapor Type	Nicotine free	2.93073444	0.59605435	8.79E-07	1.55E-05
Other				K06381	Vapor Type	Nicotine plus	2.4482263	0.59860376	4.32E-05	0.000626745
Other				K06400	Vapor Type	Nicotine free	5.91297083	0.82916733	9.95E-13	3.23E-11
Other				K06400	Biofilm type	Pathogen-rich	0.68571586	0.10478059	5.98E-11	1.61E-09
Other				K06400	Vapor Type	Nicotine plus	3.36106017	0.84229195	6.60E-05	0.000935606
Other				K06412	Vapor Type	Nicotine free	4.02566698	0.64298046	3.83E-10	9.55E-09
Other				K06412	Biofilm type	Pathogen-rich	0.64637256	0.20229294	0.00139719	0.016238745
Other				K06605	Biofilm type	Pathogen-rich	-2.9643269	0.61330823	1.34E-06	2.31E-05
Other				K06605	Biofilm type	Intermediate	-4.3775699	1.21991173	0.00033267	0.0043152
Other			core	K06864	Vapor Type	Nicotine free	4.96324688	0.43643006	5.74E-30	7.30E-28
Other				K06864	Vapor Type	Nicotine plus	3.58720715	0.44088973	4.08E-16	1.90E-14
Other				K06864	Biofilm type	Pathogen-rich	0.21866935	0.07693788	0.00448097	0.047267445
Other				K06867	Vapor Type	Nicotine free	3.4297542	0.58363276	4.19E-09	9.49E-08
Other				K06867	Vapor Type	Nicotine plus	2.45233373	0.59718618	4.02E-05	0.00058645
Other				K06871	Vapor Type	Nicotine free	4.30111899	0.56073443	1.71E-14	6.74E-13
Other				K06871	Vapor Type	Nicotine plus	3.21291453	0.56221179	1.00E-08	2.39E-07
Other				K06872	Vapor Type	Nicotine free	1.90365258	0.51727989	0.00023312	0.00307859
Other				K06877	Biofilm type	Pathogen-rich	-2.504827	0.40195305	4.62E-10	1.15E-08
Other				K06877	Biofilm type	Intermediate	-4.0359872	0.83817536	1.47E-05	2.53E-05
Other				K06878	Vapor Type	Nicotine free	3.28213502	0.52182811	3.18E-10	7.97E-09
Other				K06878	Vapor Type	Nicotine plus	2.1647141	0.52428529	3.65E-05	0.000534183
Other				K06885	Vapor Type	Nicotine free	3.63113274	0.53013419	7.41E-12	2.19E-10
Other				K06885	Vapor Type	Nicotine plus	2.34693614	0.53124761	9.97E-06	0.000155809
Other				K06886	Vapor Type	Nicotine free	4.73611497	0.88716517	9.37E-08	1.85E-06
Other				K06886	Vapor Type	Nicotine plus	2.94725192	0.90530339	0.00113177	0.013360667
Other				K06888	Biofilm type	Pathogen-rich	-2.2707472	0.39737148	1.10E-08	2.39E-07
Other				K06888	Biofilm type	Intermediate	-3.9194585	0.87112503	6.82E-06	0.000108462
Other				K06890	Vapor Type	Nicotine free	3.56473785	0.48521223	2.03E-13	7.12E-12
Other				K06890	Vapor Type	Nicotine plus	2.5920651	0.48585346	9.55E-08	1.88E-06
Other				K06891	Vapor Type	Nicotine free	3.75599565	0.96777373	0.000104	0.001437113
Other				K06898	Vapor Type	Nicotine free	5.20999803	0.48419292	5.31E-27	5.60E-25
Other				K06898	Vapor Type	Nicotine plus	3.95162948	0.48749519	5.23E-16	2.42E-14
Other				K06898	Biofilm type	Intermediate	-0.2298723	0.08005749	0.00408736	0.043589746
Other				K06909	Vapor Type	Nicotine free	3.08377964	0.38436491	1.03E-15	4.64E-14
Other				K06909	Vapor Type	Nicotine plus	1.56090252	0.39642494	8.24E-05	0.001154455
Other				K06909	Biofilm type	Intermediate	-1.3341742	0.36147433	0.00022344	0.002960261
Other				K06910	Vapor Type	Nicotine free	3.38068117	0.7889995	1.86E-05	0.000281343
Other				K06911	Vapor Type	Nicotine plus	2.13703638	0.60786235	0.00064654	0.005869853
Other				K06911	Vapor Type	Nicotine free	1.92365471	0.6127049	0.00169173	0.01939138
Other				K06915	Vapor Type	Nicotine plus	3.36447296	0.42629822	2.97E-15	1.27E-13
Other				K06915	Vapor Type	Nicotine plus	2.67838887	0.42757383	3.75E-10	9.36E-09
Other				K06919	Vapor Type	Nicotine free	4.94391201	0.47344769	1.59E-25	1.54E-23
Other				K06919	Vapor Type	Nicotine plus	3.27187805	0.47748434	7.27E-12	2.15E-10
Other				K06921	Vapor Type	Nicotine free	3.88644611	1.16071794	0.00081305	0.009849013
Other				K06929	Vapor Type	Nicotine free	4.01477406	0.67879866	3.33E-09	7.62E-08
Other				K06929	Vapor Type	Nicotine plus	2.9361189	0.67953405	1.55E-05	0.000237569
Other				K06940	Vapor Type	Nicotine free	3.23491828	0.47266896	7.70E-12	2.27E-10
Other				K06940	Vapor Type	Nicotine plus	2.27255367	0.47636129	1.84E-06	3.12E-05
Other				K06950	Vapor Type	Nicotine free	3.82742384	0.31500311	5.71E-34	9.11E-32
Other				K06950	Vapor Type	Nicotine plus	2.86846927	0.31831462	2.03E-19	1.28E-17
Other				K06956	Vapor Type	Nicotine free	4.32407207	0.27030734	1.34E-57	5.31E-55
Other				K06956	Vapor Type	Nicotine plus	2.94418244	0.27522313	1.05E-26	1.09E-24
Other				K06959	Vapor Type	Nicotine free	3.48913412	0.49149453	1.26E-12	4.04E-11
Other				K06959	Vapor Type	Nicotine plus	2.55941597	0.49176065	1.94E-07	3.68E-06
Other				K06960	Vapor Type	Nicotine free	3.6932099	0.54198735	9.48E-12	2.77E-10
Other				K06960	Vapor Type	Nicotine plus	2.53301901	0.5459877	3.50E-06	5.74E-05
Other				K06962	Vapor Type	Nicotine free	4.63073366	0.35451726	5.42E-39	1.11E-36
Other				K06962	Vapor Type	Nicotine plus	3.56684949	0.35774961	2.06E-23	1.73E-21
Other			core	K06962	Biofilm type	Intermediate	-0.4016059	0.07450862	7.04E-08	1.41E-06
Other			core	K06962	Biofilm type	Pathogen-rich	-0.2044869	0.07040464	0.00367897	0.039678954
Other				K06966	Vapor Type	Nicotine free	3.96299424	0.46675143	2.06E-17	1.07E-15
Other				K06966	Vapor Type	Nicotine plus	2.444101	0.47494348	2.66E-07	4.96E-06
Other				K06975	Vapor Type	Nicotine free	4.3879682	0.79710207	3.69E-08	7.59E-07
Other				K06975	Vapor Type	Nicotine plus	2.47108948	0.82498398	0.00274159	0.030336137
Other				K06976	Biofilm type	Pathogen-rich	-2.7605733	0.76073695	0.00028473	0.003723153
Other				K06976	Biofilm type	Intermediate	-3.0230548	0.86144278	0.0004493	0.005701762
Other				K06994	Vapor Type	Nicotine free	6.92423125	0.98962651	2.62E-12	8.12E-11
Other				K06994	Vapor Type	Nicotine plus	4.16948235	0.99642314	2.86E-05	0.000424174
Other				K06997	Vapor Type	Nicotine free	4.10764297	0.30213016	4.25E-42	9.52E-40
Other				K06997	Vapor Type	Nicotine plus	3.0037945	0.30376344	4.67E-23	3.83E-21
Other				K07002	Vapor Type	Nicotine free	6.14165165	1.35874783	6.18E-06	9.89E-05
Other				K07002	Vapor Type	Nicotine plus	4.57756469	1.36409582	0.0007915	0.005956651
Other			core	K07004	Vapor Type	Nicotine free	3.33396355	0.46816467	1.07E-12	3.47E-11
Other			core	K07004	Vapor Type	Nicotine plus	2.39536399	0.47078763	3.62E-07	6.65E-06
Other			core	K07005	Vapor Type	Nicotine free	4.76224448	0.68179569	2.85E-12	8.79E-11
Other			core	K07005	Vapor Type	Nicotine plus	4.02618187	0.68356831	3.86E-09	8.78E-08
Other				K07007	Vapor Type	Nicotine free	3.24323204	0.53330085	5.73E-10	1.41E-08
Other				K07007	Vapor Type	Nicotine plus	2.13709907	0.32404838	5.44E-05	0.000657192
Other				K07009	Vapor Type	Nicotine free	3.17144644	0.53790789	3.73E-09	8.49E-08
Other				K07009	Vapor Type	Nicotine plus	1.9159251	0.53950265	0.00038236	0.004922398
Other				K07015	Vapor Type	Nicotine free	2.33988012	0.10644529	4.28E-107	3.41E-104

Other				K07015	Vapor Type	Nicotine plus	1.12802752	0.11696142	5.19E-22	4.02E-20
Other				K07015	Biofilm type	Intermediate	-0.3575978	0.06688961	8.99E-08	1.78E-06
Other				K07017	Vapor Type	Nicotine free	1.65857283	0.43762172	0.00015067	0.002041765
Other				K07017	Biofilm type	Pathogen-rich	1.3353456	0.42431981	0.0016494	0.018966718
Other				K07019	Vapor Type	Nicotine free	2.67886029	0.85863017	0.00180898	0.020633378
Other				K07023	Vapor Type	Nicotine free	3.55541285	0.2643945	3.19E-41	7.00E-39
Other				K07023	Vapor Type	Nicotine plus	2.17003341	0.27517654	3.12E-15	1.33E-13
Other				K07025	Vapor Type	Nicotine free	4.24379891	0.54185192	4.80E-15	2.01E-13
Other				K07025	Vapor Type	Nicotine plus	3.30990571	0.54230285	1.08E-08	2.20E-07
Other				K07030	Vapor Type	Nicotine free	3.87072339	0.59166509	6.07E-11	1.63E-09
Other				K07030	Vapor Type	Nicotine plus	2.67528754	0.59233014	6.29E-06	0.000100539
Other				K07032	Vapor Type	Nicotine free	3.91544447	0.49754527	3.56E-15	1.51E-13
Other				K07032	Vapor Type	Nicotine plus	3.20054407	0.50105145	1.68E-10	4.34E-09
Other				K07035	Vapor Type	Nicotine free	4.18260223	0.41323491	4.43E-24	3.88E-22
Other				K07035	Vapor Type	Nicotine plus	2.0766053	0.42328581	9.30E-07	1.63E-05
Other				K07037	Biofilm type	Pathogen-rich	-1.9235132	0.56134205	0.00061111	0.007536925
Other				K07038	Vapor Type	Nicotine free	4.80100575	0.59430328	6.56E-16	3.01E-14
Other	core			K07038	Vapor Type	Nicotine plus	2.75739832	0.60687109	5.53E-06	8.90E-05
Other	core			K07039	Vapor Type	Nicotine free	3.71353505	1.14525007	0.00118464	0.013941564
Other	core			K07039	Vapor Type	Nicotine plus	3.42286958	1.14907577	0.00289377	0.031848241
Other				K07040	Vapor Type	Nicotine free	4.41995352	0.48787707	1.31E-19	8.33E-18
Other				K07040	Vapor Type	Nicotine plus	3.2667743	0.48899586	2.38E-11	6.70E-10
Other				K07043	Vapor Type	Nicotine free	3.83331779	0.72664527	1.32E-07	2.56E-06
Other				K07043	Vapor Type	Nicotine plus	3.45513939	0.72698329	2.01E-06	3.40E-05
Other				K07044	Vapor Type	Nicotine free	4.26965168	1.50163154	0.00446432	0.047129044
Other				K07048	Biofilm type	Pathogen-rich	-2.3248331	0.39766831	5.03E-09	1.13E-07
Other				K07048	Biofilm type	Intermediate	-2.6373085	0.4592979	9.35E-09	2.06E-07
Other				K07048	Vapor Type	Nicotine free	1.80010009	0.34913463	2.52E-07	4.72E-06
Other				K07052	Vapor Type	Nicotine free	2.69983329	0.76051682	0.00038523	0.00944051
Other				K07054	Vapor Type	Nicotine free	4.23623881	0.45190145	7.51E-21	5.28E-19
Other				K07054	Vapor Type	Nicotine plus	3.6369503	0.45386199	1.12E-15	5.02E-14
Other	core			K07058	Vapor Type	Nicotine free	2.73981169	0.54805599	5.76E-07	1.04E-05
Other	core			K07058	Vapor Type	Nicotine plus	1.56326706	0.54921168	0.00442189	0.046745948
Other	core			K07065	Biofilm type	Pathogen-rich	-2.4700459	0.55742722	9.37E-06	0.000146882
Other				K07065	Biofilm type	Intermediate	-3.6576486	0.98164205	0.0001945	0.002599483
Other				K07071	Vapor Type	Nicotine free	5.27899275	0.57780171	6.46E-20	4.24E-18
Other				K07071	Vapor Type	Nicotine plus	2.97438569	0.58931647	4.48E-07	8.13E-06
Other				K07082	Vapor Type	Nicotine free	3.19088925	0.52686641	1.39E-09	3.31E-08
Other				K07082	Vapor Type	Nicotine plus	2.32855315	0.52742203	1.01E-05	0.000157663
Other				K07085	Biofilm type	Intermediate	-1.4586859	0.4502879	0.0011976	0.014087887
Other				K07088	Vapor Type	Nicotine free	3.43383318	0.17547861	2.88E-85	1.92E-82
Other				K07088	Vapor Type	Nicotine plus	2.5675583	0.17782003	2.94E-47	7.99E-45
Other				K07088	Biofilm type	Intermediate	-0.4479745	0.13391966	0.00082253	0.009957062
Other				K07089	Vapor Type	Nicotine free	3.61663264	0.29671293	3.56E-34	5.77E-32
Other				K07089	Vapor Type	Nicotine plus	2.52752149	0.29873506	2.66E-17	1.37E-15
Other				K07090	Vapor Type	Nicotine free	4.31907469	0.33548846	6.31E-38	1.22E-35
Other				K07090	Vapor Type	Nicotine plus	3.0546772	0.33721428	1.32E-19	8.40E-18
Other				K07095	Vapor Type	Nicotine free	3.33219244	0.48216881	4.82E-12	1.44E-10
Other				K07095	Vapor Type	Nicotine plus	2.26191923	0.48363146	2.91E-06	4.83E-05
Other				K07098	Vapor Type	Nicotine free	3.58323871	0.44422781	7.31E-16	3.36E-14
Other				K07098	Vapor Type	Nicotine plus	2.93774041	0.44646074	5.47E-11	1.48E-09
Other				K07099	Vapor Type	Nicotine free	4.29974561	0.61489192	2.70E-12	8.34E-11
Other				K07099	Vapor Type	Nicotine plus	3.5492398	0.61809378	9.34E-09	2.06E-07
Other				K07112	Vapor Type	Nicotine free	5.65193556	0.61133411	2.35E-20	1.60E-18
Other				K07112	Vapor Type	Nicotine plus	3.58053365	0.61788419	6.84E-09	1.52E-07
Other				K07113	Vapor Type	Nicotine free	4.15467101	1.31194677	0.00154127	0.017781484
Other				K07113	Vapor Type	Nicotine plus	3.73874995	1.31636438	0.0045084	0.047507652
Other				K07119	Vapor Type	Nicotine free	6.19387493	0.98107589	2.73E-10	6.88E-09
Other				K07119	Vapor Type	Nicotine plus	4.05858734	0.98850414	4.03E-05	0.000587892
Other				K07119	Biofilm type	Pathogen-rich	0.27794674	0.09798822	0.00456064	0.047974888
Other				K07120	Vapor Type	Nicotine free	3.73523562	0.44730721	6.80E-17	3.36E-15
Other				K07120	Vapor Type	Nicotine plus	2.00149573	0.47098497	2.14E-05	0.000321337
Other				K07124	Vapor Type	Nicotine free	3.75875443	0.37873653	3.26E-23	2.73E-21
Other				K07124	Vapor Type	Nicotine plus	2.77114321	0.37997576	3.03E-13	1.04E-11
Other				K07126	Vapor Type	Nicotine free	2.94775319	0.61863887	1.89E-06	3.21E-05
Other				K07126	Vapor Type	Nicotine plus	2.57795446	0.62089868	3.30E-05	0.0004849
Other				K07133	Vapor Type	Nicotine free	3.36997441	0.58031757	6.36E-09	1.42E-07
Other				K07133	Vapor Type	Nicotine plus	2.83540427	0.58184983	1.10E-06	1.91E-05
Other				K07133	Biofilm type	Intermediate	-1.37115762	0.53054944	0.00430965	0.04569359
Other				K07133	Vapor Type	Nicotine free	4.23182533	0.48305158	2.33E-16	3.32E-14
Other				K07137	Vapor Type	Nicotine plus	3.57553301	0.48456942	1.60E-13	5.67E-12
Other				K07139	Vapor Type	Nicotine free	3.06732812	0.26966233	5.59E-30	7.15E-28
Other				K07139	Vapor Type	Nicotine plus	2.0438283	0.27143578	5.09E-14	1.91E-12
Other				K07146	Vapor Type	Nicotine free	3.23615686	0.50661472	1.55E-10	4.02E-09
Other				K07146	Vapor Type	Nicotine plus	2.05515773	0.50685599	5.02E-05	0.000722851
Other				K07150	Vapor Type	Nicotine free	3.16208732	0.45125078	2.43E-12	7.56E-11
Other				K07150	Vapor Type	Nicotine plus	2.29392201	0.45539972	4.72E-07	8.55E-06
Other				K07160	Vapor Type	Nicotine free	4.03726607	0.36986781	9.73E-28	1.08E-25
Other				K07160	Vapor Type	Nicotine plus	2.85237377	0.37325436	2.14E-14	8.34E-13
Other				K07164	Biofilm type	Pathogen-rich	-2.2401767	0.53904845	3.24E-05	0.00047712
Other				K07164	Vapor Type	Nicotine free	3.41153299	0.90392633	0.00016057	0.002166602
Other				K07164	Biofilm type	Intermediate	-3.5311885	0.99138824	0.00036823	0.004744141
Other				K07166	Vapor Type	Nicotine free	3.73007817	0.54403633	7.07E-12	2.09E-10
Other				K07166	Vapor Type	Nicotine plus	2.67823855	0.54605991	9.36E-07	1.64E-05
Other				K07175	Biofilm type	Intermediate	-2.1315312	0.66292933	0.00130298	0.015226798
Other				K07175	Vapor Type	Nicotine free	5.48980015	1.90621803	0.00397746	0.042596748
Other				K07180	Vapor Type	Nicotine free	2.53118575	0.55269407	5.44E-06	8.76E-05
Other				K07180	Biofilm type	Pathogen-rich	1.11305632	0.34055091	0.00108158	0.012816413
Other				K07180	Vapor Type	Nicotine plus	1.71607862	0.5773888	0.002039734	0.032494138
Other				K07218	Biofilm type	Pathogen-rich	2.18813394	0.65169939	0.0008782	0.010580496
Other				K07220	Vapor Type	Nicotine free	4.86822611	0.47573809	1.41E-24	1.29E-22
Other				K07220	Vapor Type	Nicotine plus	3.50256459	0.47882079	2.57E-13	8.91E-12
Other				K07223	Vapor Type	Nicotine free	5.15035985	0.65029409	2.37E-15	1.03E-13
Other				K07223	Vapor Type	Nicotine plus	4.23756253	0.65147205	7.79E-11	2.08E-09
Other				K07273	Vapor Type	Nicotine free	3.67190095	0.50426376	3.30E-13	1.13E-11
Other				K07273	Vapor Type	Nicotine plus	2.4616559	0.50575899	1.13E-06	1.97E-05
Other				K07282	Vapor Type	Nicotine free	3.37890575	0.51463684	5.18E-11	1.41E-09
Other				K07282	Vapor Type	Nicotine plus	2.23102136	0.51527069	1.49E-05	0.000228631
Other				K07322	Vapor Type	Nicotine free	4.52153564	0.41191187	4.93E-28	5.58E-26
Other				K07322	Vapor Type	Nicotine plus	3.28177862	0.41731402	3.72E-15	1.57E-13
Other				K07335	Vapor Type	Nicotine free	3.7571512	0.52024183	5.13E-13	1.72E-11
Other				K07335	Vapor Type	Nicotine plus	2.88046687	0.52143784	3.31E-08	6.84E-07
Other				K07391	Vapor Type	Nicotine free	2.94308682	0.40709169	4.85E-13	1.63E-11
Other				K07391	Vapor Type	Nicotine plus	2.57110332	0.40836433	3.05E-10	7.66E-09
Other				K07391	Biofilm type	Intermediate	-1.1660944	0.38056812	0.00218334	0.024520417
Other				K07399	Vapor Type	Nicotine free	6.03062501	1.3958072	1.56E-05	0.000237774
Other				K07399	Vapor Type	Nicotine plus	4.40385686	1.40127382	0.00167367	0.019196823
Other				K07402	Vapor Type	Nicotine free	4.52721336	0.54488606	9.69E-17	4.73E-15
Other				K07402	Vapor Type	Nicotine plus	3.5613063	0.54590235	6.86E-11	1.84E-09
Other				K07443	Vapor Type	Nicotine free	3.97154717	0.66689334	2.60E-09	6.00E-08
Other				K07443	Vapor Type	Nicotine plus	3.4039079	0.67059232	3.86E-07	7.06E-06
Other				K07454	Vapor Type	Nicotine free	3.94443344	0.97617268	5.33E-05	0.000764928
Other				K07457	Vapor Type	Nicotine free	5.94342678	1.12054909	1.13E-07	2.21E-06

Other				K07457	Biofilm type	Pathogen-rich	0.55635112	0.13443793	3.50E-05	0.000513329
Other				K07457	Vapor Type	Nicotine plus	3.91356789	1.13020057	0.00053474	0.006679551
Other				K07459	Vapor Type	Nicotine free	3.05691262	0.47607037	1.35E-10	3.52E-09
Other				K07459	Vapor Type	Nicotine plus	2.27453825	0.48344098	2.54E-06	4.24E-05
Other				K07460	Vapor Type	Nicotine free	3.53572731	0.60814744	6.10E-09	1.36E-07
Other				K07460	Vapor Type	Nicotine plus	2.90362057	0.6144506	2.29E-06	3.86E-05
Other				K07461	Vapor Type	Nicotine free	3.62414878	0.32451923	5.86E-29	7.01E-27
Other				K07461	Vapor Type	Nicotine plus	2.4981446	0.32813632	2.68E-14	1.03E-12
Other				K07467	Vapor Type	Nicotine free	4.13777763	0.46123527	8.95E-20	5.79E-18
Other				K07467	Vapor Type	Nicotine plus	3.49023412	0.464259	5.57E-14	2.08E-12
Other			core	K07467	Biofilm type	Pathogen-rich	1.10397939	0.23667915	3.09E-06	5.11E-05
Other			core	K07474	Vapor Type	Nicotine free	3.68153191	0.44827758	2.16E-16	1.03E-14
Other			core	K07474	Vapor Type	Nicotine plus	1.86055748	0.47593345	9.26E-05	0.001286874
Other			core	K07476	Biofilm type	Pathogen-rich	0.44257137	0.13257461	0.00084298	0.010183803
Other				K07478	Vapor Type	Nicotine free	3.67150523	0.39221129	7.90E-21	5.53E-19
Other				K07478	Vapor Type	Nicotine plus	2.63241939	0.39317298	2.15E-11	6.09E-10
Other				K07481	Vapor Type	Nicotine free	6.72646084	1.29529401	2.07E-07	3.91E-06
Other				K07481	Vapor Type	Nicotine plus	6.21774426	1.29574311	1.60E-06	2.73E-05
Other				K07481	Biofilm type	Pathogen-rich	2.25995567	0.56878973	7.09E-05	0.001000639
Other				K07482	Biofilm type	Pathogen-rich	2.45412661	0.61222667	6.11E-05	0.000870704
Other				K07483	Vapor Type	Nicotine free	2.31908119	0.46696478	6.82E-07	1.21E-05
Other				K07483	Vapor Type	Nicotine plus	1.99056668	0.46900997	2.19E-05	0.000328999
Other				K07483	Biofilm type	Pathogen-rich	1.56078911	0.45329216	0.00057481	0.007133216
Other				K07484	Vapor Type	Nicotine plus	-1.19327444	0.3935357	0.00242788	0.02707278
Other				K07485	Vapor Type	Nicotine free	2.38117009	0.50953481	2.97E-06	4.91E-05
Other				K07485	Biofilm type	Pathogen-rich	-1.1752522	0.31004619	0.0001503	0.00203769
Other				K07485	Biofilm type	Intermediate	-1.1044114	0.30183545	0.00025322	0.00328268
Other				K07485	Vapor Type	Nicotine plus	1.68128568	0.53093315	0.001542	0.01785999
Other				K07486	Vapor Type	Nicotine free	4.76295186	1.36613737	0.0004982	0.006173416
Other				K07486	Vapor Type	Nicotine plus	4.29206866	1.36947343	0.00172381	0.019373749
Other				K07491	Vapor Type	Nicotine free	3.64833737	0.1698762	2.59E-102	2.03E-99
Other				K07491	Vapor Type	Nicotine plus	2.50176479	0.17416841	8.70E-47	2.27E-44
Other				K07491	Biofilm type	Intermediate	-0.370682	0.07946894	3.09E-06	5.11E-05
Other				K07493	Vapor Type	Nicotine free	4.41705928	0.66583342	3.27E-11	9.07E-10
Other				K07493	Vapor Type	Nicotine plus	3.96205828	0.6676058	2.94E-09	6.78E-08
Other				K07497	Vapor Type	Nicotine free	2.5764194	0.32757855	3.69E-15	1.56E-13
Other				K07497	Vapor Type	Nicotine plus	1.90611704	0.32895322	6.85E-09	1.52E-07
Other			core	K07498	Vapor Type	Nicotine free	3.38247506	0.09192556	2.15E-296	5.74E-293
Other			core	K07498	Vapor Type	Nicotine plus	1.14530675	0.10379086	2.60E-28	3.00E-26
Other			core	K07498	Biofilm type	Pathogen-rich	0.36932583	0.03848236	8.21E-22	6.20E-20
Other				K07498	Biofilm type	Intermediate	0.13882321	0.04046794	0.00060258	0.007439775
Other				K07570	Vapor Type	Nicotine free	2.76456146	0.50811039	5.30E-08	1.07E-06
Other				K07570	Vapor Type	Nicotine plus	1.87463513	0.51119649	0.00024527	0.003232555
Other				K07571	Vapor Type	Nicotine free	4.88171664	0.45045217	2.29E-27	2.48E-25
Other				K07571	Vapor Type	Nicotine plus	3.19113649	0.4573766	3.01E-12	9.25E-11
Other				K07584	Vapor Type	Nicotine free	3.01564457	0.62258289	1.27E-06	2.20E-05
Other			core	K07584	Vapor Type	Nicotine plus	2.14426912	0.62428354	0.00059306	0.0073375
Other				K07586	Vapor Type	Nicotine free	3.69958427	0.5113648	4.66E-13	1.57E-11
Other				K07586	Vapor Type	Nicotine plus	2.58485304	0.51333053	4.77E-07	8.63E-06
Other			core	K07742	Vapor Type	Nicotine free	1.87070565	0.38118946	5.04E-14	1.89E-12
Other				K07742	Vapor Type	Nicotine plus	1.78388311	0.38469517	3.53E-06	5.79E-05
Other				K08234	Vapor Type	Nicotine free	4.0665128	0.51781981	4.06E-15	1.71E-13
Other				K08234	Vapor Type	Nicotine plus	3.45245406	0.5210777	3.46E-11	9.58E-10
Other				K08974	Vapor Type	Nicotine free	2.4667462	0.53813663	4.56E-06	7.41E-05
Other				K08976	Vapor Type	Nicotine free	6.83557034	2.23935862	0.00226968	0.025415077
Other				K08981	Vapor Type	Nicotine free	6.15065337	0.93022568	3.79E-11	1.05E-09
Other				K08981	Vapor Type	Nicotine plus	3.96426912	0.93761042	2.36E-05	0.000352205
Other				K08982	Biofilm type	Pathogen-rich	0.83496534	0.18134662	4.14E-06	6.73E-05
Other				K08986	Vapor Type	Nicotine free	3.49347652	0.49991636	2.79E-12	8.60E-11
Other			core	K08986	Vapor Type	Nicotine plus	2.59833158	0.50131456	2.18E-07	4.11E-06
Other				K08987	Vapor Type	Nicotine free	4.40311382	0.51990094	2.47E-17	1.28E-15
Other				K08987	Vapor Type	Nicotine plus	3.61070226	0.52352457	5.31E-12	1.58E-10
Other				K08989	Vapor Type	Nicotine free	3.60712284	0.65579275	3.79E-08	7.77E-07
Other				K08989	Vapor Type	Nicotine plus	3.05277182	0.66134097	3.91E-06	6.38E-05
Other				K08996	Vapor Type	Nicotine free	4.85984672	0.73542467	3.89E-11	1.07E-09
Other				K08996	Vapor Type	Nicotine plus	2.93841597	0.75173566	9.27E-05	0.001288877
Other				K08998	Vapor Type	Nicotine free	2.57656552	0.5155879	5.81E-07	1.04E-05
Other				K08999	Biofilm type	Pathogen-rich	-2.429957	0.63084091	0.00017119	0.001609371
Other				K08999	Biofilm type	Intermediate	3.5329661	1.06495663	0.00080845	0.010903025
Other			core	K08999	Biofilm type	Nicotine free	1.24975093	0.143707635	0.00338233	0.03801066
Other				K90009	Biofilm type	Pathogen-rich	-1.9729195	0.53474434	0.00022473	0.002975831
Other				K90009	Vapor Type	Nicotine free	3.8935314	1.26824318	0.00214045	0.024094496
Other				K90014	Vapor Type	Nicotine free	3.49157658	0.48151966	4.13E-13	1.40E-11
Other				K90014	Vapor Type	Nicotine plus	2.44446324	0.48201638	3.95E-07	7.22E-06
Other				K90015	Vapor Type	Nicotine free	4.02786926	0.23453026	4.14E-66	1.95E-63
Other				K90015	Vapor Type	Nicotine plus	2.86664973	0.23647632	8.04E-34	1.27E-31
Other				K90117	Vapor Type	Nicotine free	4.28698116	0.66998817	1.57E-10	4.06E-09
Other				K90117	Vapor Type	Nicotine plus	3.57598106	0.67321358	1.09E-07	2.13E-06
Other				K90121	Vapor Type	Nicotine free	4.97666405	0.39561044	2.73E-36	4.87E-34
Other				K90121	Vapor Type	Nicotine plus	3.63878811	0.39940084	8.19E-20	5.32E-18
Other				K90121	Biofilm type	Intermediate	-0.3167839	0.07501423	2.41E-05	0.000359825
Other				K90125	Vapor Type	Nicotine free	4.13597399	0.50893115	4.41E-16	2.05E-14
Other				K90125	Vapor Type	Nicotine plus	2.41303795	0.52158021	3.72E-06	6.08E-05
Other				K90145	Biofilm type	Pathogen-rich	0.54578172	0.13587707	5.90E-05	0.000842074
Other				K90153	Vapor Type	Nicotine free	2.96027248	0.39599559	7.69E-14	2.84E-12
Other				K90153	Vapor Type	Nicotine plus	2.23074791	0.40633441	4.02E-08	8.21E-07
Other				K90155	Vapor Type	Nicotine free	3.72215781	0.48433394	1.53E-14	6.06E-13
Other				K90155	Vapor Type	Nicotine plus	2.94639573	0.48476228	1.22E-09	2.91E-08
Other				K90157	Vapor Type	Nicotine free	3.95374448	0.5323257	1.17E-13	4.21E-12
Other				K90157	Vapor Type	Nicotine plus	2.97158649	0.53337183	2.53E-08	5.28E-07
Other				K90384	Biofilm type	Pathogen-rich	0.80817944	0.28555571	0.00465191	0.048829012
Other				K90704	Vapor Type	Nicotine free	2.42423285	0.09765914	3.91E-127	4.43E-124
Other				K90704	Vapor Type	Nicotine plus	1.52070805	0.1036815	5.43E-49	1.58E-46
Other				K90704	Biofilm type	Pathogen-rich	-0.3751549	0.05573225	1.68E-11	4.79E-10
Other				K90704	Biofilm type	Intermediate	-0.2713182	0.05407928	5.25E-07	9.47E-06
Other				K90705	Vapor Type	Nicotine free	5.56488854	0.76638351	3.84E-13	1.31E-11
Other				K90705	Vapor Type	Nicotine plus	3.44405254	0.7770379	9.32E-06	0.000146201
Other				K90705	Biofilm type	Pathogen-rich	0.41412209	0.10822679	0.00013002	0.00177319
Other				K90729	Vapor Type	Nicotine free	4.89714076	0.72782205	1.71E-11	4.88E-10
Other				K90729	Vapor Type	Nicotine plus	4.01875651	0.73024779	3.73E-08	7.65E-07
Other				K90747	Vapor Type	Nicotine free	3.461549	0.22969014	2.53E-51	8.13E-49
Other				K90747	Vapor Type	Nicotine plus	2.43540249	0.23586282	5.40E-25	5.03E-23
Other				K90747	Biofilm type	Intermediate	-0.2988607	0.08481015	0.00042528	0.00542013
Other				K90760	Vapor Type	Nicotine free	2.51438429	0.62592399	5.89E-05	0.000841069
Other				K90762	Vapor Type	Nicotine free	3.36156462	0.60025931	2.14E-08	4.50E-07
Other				K90762	Vapor Type	Nicotine plus	2.24387047	0.60108408	0.00018918	0.00253283
Other				K90763	Vapor Type	Nicotine free	6.35111218	1.67223352	0.00014588	0.001980924
Other				K90767	Vapor Type	Nicotine free	4.43739659	0.75288515	3.77E-09	8.59E-08
Other				K90767	Vapor Type	Nicotine plus	3.8019153	0.75608792	4.34E-07	7.88E-06
Other				K90768	Vapor Type	Nicotine free	4.3913639	0.74854543	4.45E-09	1.01E-07
Other				K90768	Vapor Type	Nicotine plus	2.37816041	0.77768771	0.00222828	0.024988211
Other				K90769	Vapor Type	Nicotine free	3.50610606	0.46909188	7.77E-14	2.86E-12
Other				K90775	Vapor Type	Nicotine free	3.42482698	0.55418143	6.41E-10	1.57E-08

Other				K09775	Vapor Type	Nicotine plus	2.85647832	0.55893608	3.21E-07	5.93E-06
Other				K09777	Vapor Type	Nicotine free	6.9456686	1.7031422	4.54E-05	0.000657108
Other				K09777	Vapor Type	Nicotine plus	5.70220146	1.70491002	0.00082408	0.009973567
Other				K09780	Vapor Type	Nicotine free	3.39254534	1.12004019	0.00245406	0.0273304
Other				K09781	Vapor Type	Nicotine free	2.30150947	0.67060517	0.00059917	0.007407947
Other				K09781	Vapor Type	Nicotine plus	2.06278537	0.67560634	0.00226388	0.025366121
Other				K09787	Vapor Type	Nicotine free	3.64690018	0.20837934	1.40E-68	6.79E-66
Other				K09787	Vapor Type	Nicotine plus	2.64614913	0.2128848	1.80E-35	3.08E-33
Other				K09787	Biofilm type	Intermediate	-0.328999	0.06955767	2.25E-06	3.78E-05
Other				K09790	Vapor Type	Nicotine free	2.47798437	0.15893438	1.03E-48	2.96E-46
Other				K09790	Vapor Type	Nicotine plus	1.74865354	0.17581467	2.63E-23	2.20E-21
Other				K09790	Biofilm type	Intermediate	-0.4122609	0.09259822	8.50E-06	0.000133975
Other				K09790	Biofilm type	Pathogen-rich	-0.2765539	0.08899474	0.00186657	0.021440387
Other				K09793	Biofilm type	Pathogen-rich	0.61760468	0.11050863	2.29E-08	4.80E-07
Other				K09793	Vapor Type	Nicotine free	7.15674562	1.73434651	3.68E-05	0.000539504
Other				K09793	Vapor Type	Nicotine plus	5.22197468	1.73834257	0.00266459	0.02952086
Other				K09795	Biofilm type	Pathogen-rich	2.27767484	0.76258367	0.00281926	0.031073087
Other				K09807	Vapor Type	Nicotine free	4.87172445	0.80746021	1.61E-09	3.80E-08
Other				K09807	Vapor Type	Nicotine plus	3.98989411	0.81033926	8.49E-07	1.49E-05
Other				K09822	Vapor Type	Nicotine free	6.74100163	0.71258431	3.08E-21	2.24E-19
Other				K09822	Vapor Type	Nicotine plus	4.36053335	0.71609566	1.13E-09	2.72E-08
Other				K09824	Vapor Type	Nicotine free	3.97287124	0.46924762	2.53E-17	1.30E-15
Other				K09824	Vapor Type	Nicotine plus	3.21429204	0.47144066	9.23E-12	2.70E-10
Other				K09858	Vapor Type	Nicotine free	2.82817404	0.89911669	0.00165802	0.019038239
Other				K09861	Vapor Type	Nicotine free	3.68446608	0.33599268	5.57E-28	6.28E-26
Other				K09861	Vapor Type	Nicotine plus	2.8113601	0.33770218	8.44E-17	4.14E-15
Other				K09925	Vapor Type	Nicotine free	7.27191215	1.62326784	7.47E-06	0.000118475
Other				K09925	Vapor Type	Nicotine plus	6.64843156	1.62375007	4.23E-05	0.000615613
Other				K09935	Vapor Type	Nicotine free	2.28719998	0.50444295	5.78E-06	9.29E-05
Other				K09948	Vapor Type	Nicotine plus	2.98529168	1.7777616	0.00076058	0.009249051
Other				K09941	Biofilm type	Pathogen-rich	2.28099643	0.79103289	0.00393199	0.04214358
Other				K09949	Vapor Type	Nicotine free	3.92865011	0.47698111	1.77E-16	8.52E-15
Other				K09949	Vapor Type	Nicotine plus	3.21764253	0.47947677	1.94E-11	5.49E-10
Other				K09962	Vapor Type	Nicotine free	2.61894737	0.67793828	0.00011195	0.00154066
Other				K09963	Vapor Type	Nicotine free	5.00238996	0.57811914	5.02E-18	2.77E-16
Other				K09963	Vapor Type	Nicotine plus	2.85523872	0.58875354	1.24E-06	2.14E-05
Other				K09968	Biofilm type	Pathogen-rich	2.07674511	0.71851034	0.00384815	0.041344762
Other				K09973	Vapor Type	Nicotine plus	2.16492414	0.69108185	0.0017323	0.019813884
Other			core	K09973	Vapor Type	Nicotine free	2.16440546	0.69108946	0.00173694	0.019862677
Other			core	K09973	Biofilm type	Intermediate	2.05480503	0.68240712	0.00260292	0.028873659
Other				K09973	Biofilm type	Pathogen-rich	2.04286834	0.68258932	0.00276411	0.030534641
Other				K09976	Vapor Type	Nicotine free	2.18993904	0.45575678	1.55E-06	2.65E-05
Other				K09992	Biofilm type	Pathogen-rich	-2.9136283	0.61454986	2.13E-06	3.59E-05
Other				K09992	Biofilm type	Intermediate	-4.4621797	1.30554056	0.00063111	0.007766547
Other				K12942	Biofilm type	Pathogen-rich	-3.4800967	1.105855	0.0016497	0.018966718
Other				K13256	Vapor Type	Nicotine free	2.78568265	0.78636243	0.00039637	0.005075914
Other				K13926	Vapor Type	Nicotine free	2.4363561	0.7109679	0.0006107	0.007534783
Other				K13926	Vapor Type	Nicotine plus	2.28153526	0.71277001	0.00136979	0.015941142
Other				K14059	Vapor Type	Nicotine free	2.56233762	0.78846691	0.00115446	0.013607479
Other				K14059	Vapor Type	Nicotine plus	2.26773838	0.79413371	0.00414454	0.044130245
Other				K15051	Vapor Type	Nicotine free	3.26787531	0.71436159	4.77E-06	7.73E-05
Other				K15051	Vapor Type	Nicotine plus	2.37667596	0.71489747	0.00088578	0.010662103
Other				K15539	Vapor Type	Nicotine free	3.24279105	0.90407382	0.00033468	0.004340137
Other				K15539	Vapor Type	Nicotine plus	2.97711107	0.90773103	0.00103907	0.01236219
Other				K15539	Biofilm type	Pathogen-rich	2.07964467	0.68313506	0.00233249	0.026074586
Other				K15724	Vapor Type	Nicotine free	3.47755872	1.08081298	0.00129295	0.015119502
Other				K15977	Vapor Type	Nicotine free	4.84475886	0.6971921	3.68E-12	1.12E-10
Other				K15977	Vapor Type	Nicotine plus	3.71572956	0.69939616	1.08E-07	2.12E-06
Other			core	K16509	Vapor Type	Nicotine free	3.31471711	0.61583066	7.35E-08	1.46E-06
Other				K16509	Vapor Type	Nicotine plus	2.43659696	0.61689991	7.82E-05	0.001099617
Other				K16511	Vapor Type	Nicotine free	3.88354954	0.44363604	2.06E-18	1.17E-16
Other				K16511	Vapor Type	Nicotine plus	2.74877989	0.44536737	6.75E-10	1.65E-08
Other				K18928	Vapor Type	Nicotine free	5.01126622	0.68118282	1.88E-13	6.62E-12
Other				K18928	Vapor Type	Nicotine plus	3.93452503	0.68324538	8.48E-09	1.87E-07
Other				K18929	Vapor Type	Nicotine free	4.73579544	0.53828559	1.39E-18	8.05E-17
Other				K18929	Vapor Type	Nicotine plus	3.69027648	0.53983641	8.15E-12	2.39E-10
Other				K18930	Vapor Type	Nicotine free	4.64725041	0.55518812	5.73E-17	2.86E-15
Other				K18930	Vapor Type	Nicotine plus	4.07135788	0.55588841	2.41E-13	8.37E-12
Other				K19342	Biofilm type	Pathogen-rich	2.13374083	0.73026538	0.00347939	0.03774024
Other				K19411	Vapor Type	Nicotine free	5.73586161	0.75942843	4.26E-14	1.61E-12
Other				K19411	Vapor Type	Nicotine plus	4.29603013	0.76142526	1.68E-08	3.59E-07
Other				K19784	Vapor Type	Nicotine free	3.06765176	0.86568009	0.00039466	0.005055818
Other				K19784	Vapor Type	Nicotine plus	2.82506383	0.86975269	0.00116169	0.013689658
Other				K19784	Biofilm type	Pathogen-rich	2.02201581	0.63623941	0.00148257	0.017148788
Other				K19804	Vapor Type	Nicotine free	2.41245397	0.75080872	0.00131292	0.015326122
Other				K19804	Biofilm type	Pathogen-rich	2.26558892	0.71995244	0.00165034	0.018968036
Other				K19804	Vapor Type	Nicotine plus	2.17003751	0.75537728	0.00406869	0.043442843
Other				K20073	Vapor Type	Nicotine free	3.64740518	0.58224598	3.74E-10	9.35E-09
Other				K20073	Vapor Type	Nicotine plus	2.75344791	0.583189	2.34E-06	3.93E-05
Other				K21463	Vapor Type	Nicotine free	4.54938582	0.45494893	1.53E-23	1.29E-21
Other			core	K21463	Vapor Type	Nicotine plus	3.50122411	0.45625252	1.67E-14	6.58E-13
Other				K22116	Vapor Type	Nicotine free	4.61572788	0.70296639	5.17E-11	1.40E-09
Other				K22116	Vapor Type	Nicotine plus	2.54823131	0.72635672	0.00045109	0.005718996
Other				K22116	Biofilm type	Pathogen-rich	0.54801342	0.1599286	0.00061116	0.007536925
Other				K22136	Vapor Type	Nicotine free	5.1189429	0.57271054	3.96E-19	2.41E-17
Other				K22136	Vapor Type	Nicotine plus	2.72128692	0.58195749	2.92E-06	4.85E-05

Supplemental Table 5: Spectral deconvolution and annotation to the molecular level of metabolites identified in the saliva of a previously characterized cohort of e-cigarette users, dual users of e-cigarettes and cigarettes, and former smokers who currently use e-cigarettes. Metabolites that were common to those obtained from vitro biofilms are highlighted in orange

m/z	Name	Dual user	Former smoker/current e-cig user	Current e-cig only
405.15057		755046.1628	411372.4638	417043.771
386.02255		610279.3681	635991.1981	642288.5833
422.10395		420731.026	526714.4269	445522.4336
346.05351		310428.3846	287720.3069	311954.6384
369.22192		209832.1441	203369.6036	155555.2429
343.07268	Coumachlor	209138.331	73092.49371	237049.5611
370.04887		175745.0065	189585.6383	196148.5255
304.29808		173006.8118	14086.59871	39721.70237
502.20271		158453.283	149287.4182	84036.35035
389.094	4,6(1H,5H)-Pyrimidinedione, dihydro-5-[(2-methoxy-	126077.1538	110038.525	351254.1025
376.06453	(S)-malyi N-acetyl-alpha-D-glucosaminide	123616.7826	110205.039	71653.74038
389.17828	NPA008022	106211.4363	32508.07925	46525.18631
403.10929		94299.5739	85145.30129	252541.8156
371.10446	NPA004575	87260.37287	44753.68475	142282.1263
419.13145		70648.56315	64738.66152	88585.16153
368.01163	NPA032094	68808.12722	54945.73523	54127.24476
348.86501		67861.0161	82784.9455	131551.9411
468.30771	LysoPC (14:0/0:0)	64862.25959	360.9527069	0
425.13344	Bromowulone I	60551.26218	53722.90745	73767.53984
417.12492		60532.32591	54403.96553	159710.671
377.09616		58563.83042	41595.47377	21754.69151
332.32893		56469.0681	40880.84373	66711.79034
406.12959	2-[1-[(2-Methoxy-5-pyrimidinyl)methyl]-3-piperidin	55399.38749	98751.23491	71312.72153
292.12473		54654.32661	53911.96347	80967.66275
366.96069		51660.14436	56500.37914	140980.3769
284.32957		50345.11782	29100.66558	58223.78717
359.14515	2-Phenylaminoadenosine	48732.45394	33634.84298	35168.87041
375.07811		43346.18119	40825.61551	125226.178
229.05169	2-(4-Chlorophenyl)-1H-benzimidazole	42376.33151	38613.39803	48944.36627
391.03891	Thiencarbazone-methyl	40851.14319	34438.40602	32538.87615
445.13358		40689.01987	34664.76134	20731.93778
407.06961		39488.80713	23866.80533	13260.7332
533.20928		39363.11083	31582.05968	22254.42864
467.19839	NPA007879	38617.64272	23118.11496	19980.71677
414.13973		38457.43022	44957.0623	38270.34785
322.18458		38307.64311	16782.52833	13577.97609
360.06983	NPA006319	38272.78919	47764.539	23713.12161
256.29853		37870.42976	23080.8349	71968.90931
348.8648		35682.30814	43202.78902	53731.3549
392.95552		35318.66224	30767.03225	63938.812
396.16148		34278.93474	19068.62491	14170.68026
245.04349	Urolithin C	33899.69664	31871.53803	43444.74862
357.97655		33841.52583	28271.03858	47897.4036
516.18252		33339.32032	34226.77666	21904.53183
390.14066	Prochlorperazine sulfoxide	33141.29719	18350.37951	17769.61257
288.20144		32600.33961	42976.27941	31900.35079
320.07605		32111.31801	34010.34496	52298.54736
394.11216	NPA006434	31517.4986	16299.68693	8815.520772
312.15732		30618.91434	252.4648651	288.9907858
533.20935		28218.85904	38096.76756	20147.09926
599.25466		27714.37477	33250.04336	12438.12491
272.16969		26253.73457	36408.84608	32408.91753
481.20252		24899.23485	6259.06564	4586.006434
320.03943	Epalrestat	23092.65769	26827.96658	44010.92359
348.0801		23077.70515	15042.96395	5577.751402
368.01115		22862.94008	24746.79248	17887.85097
456.19733	P5(6:0/6:0)	22810.3522	20973.1508	12057.94458
213.05601		22289.48728	22626.26725	29995.64851
468.18067		21343.17431	10410.53606	11569.6542
383.09323	2-[(4-Hydroxy-2-methylphenyl)(2-methyl-4-oxocyclo	21126.68212	13498.22363	38454.31348
502.97323		20522.75465	14876.99954	27409.00869
613.22164		20181.99969	16702.9437	21134.56884
366.96009		19885.5933	26065.74675	78589.8636
663.82429		19334.84499	23679.53422	26788.6778
534.29425		18572.17795	13060.32809	34765.45051
381.24935	Linusic acid	18196.97425	19381.43976	4386.902683
445.14494		17849.26087	15423.0038	3096.403895
436.15645		17482.88601	7236.687048	8399.860886
322.12961		16740.20161	14300.40343	10948.49921
343.17254	NPA021135	16438.6092	7305.130255	7207.841544
527.07468	NPA002947	16383.63588	13048.04113	22077.10539
268.26208		16273.78911	11264.71914	4558.687092
266.15763	Esprocarb	15935.43155	21259.35513	28997.4359
311.13091	Desloratadine	15925.50955	13679.5392	26349.51681
367.14582		15920.46219	7799.249396	5966.357663
495.20516		15856.60314	2502.70542	566.2120577
430.13498		15702.93969	13979.46833	9795.7282
466.2924	LysoPC(14:1[9Z])	14900.75959	0	0
414.21284		14877.91935	28910.59737	20514.36905
286.14213	LPC O-2:0	14256.2383	2182.12169	2062.488281
334.01877		14029.91419	18266.87018	44338.43977
330.16825		13797.16332	0	182.7183938
381.07644	NPA001676	13549.06306	29788.59021	8822.430543
310.01859		13253.98518	23093.34591	25277.09575
480.1448		12460.73201	20131.00466	3543.797105
487.20284		12373.78534	13599.05962	6928.440097
352.19543		12349.34276	8215.971054	991.2598863
638.22319		11984.46907	6461.665024	4000.982767
620.24094	NPA023948	11887.20537	5155.532404	4113.772398
411.12491		11854.85438	15569.33843	12347.02055
322.12295		11796.64889	13798.62068	15511.47771
468.10014		11759.30578	9452.093167	3588.358261
647.25189		11748.84603	1296.381082	659.0129021
584.1545		11560.14347	15271.80011	9543.083186
440.22308		11353.80822	8866.427087	4094.022524
568.16043		11169.33469	7383.932339	6532.027269
510.16763		10994.80219	5968.182709	3576.052711

356.15899	NPA002740	10869.57008	4942.082117	3189.918015
502.97677		10823.41187	8629.133752	18170.25288
373.97176		10598.61703	8966.136925	20407.28599
360.36012		10200.29939	6802.675211	8903.232273
364.94294		9826.507223	7986.688765	15430.19138
496.13908		9823.465805	24337.15897	4384.7831
277.08694	Clenbuterol	9545.72665	18820.29137	5774.15301
251.1736	N,N'-Hexane-1,6-diylbis(N'-cyanoguanidine)	9362.87019	4999.35246	4676.692794
344.09563		9066.751008	10841.16148	5595.619686
361.1601		9014.311239	6432.425845	3210.579653
409.28054		8798.035905	6934.145979	2675.838017
433.1467	Captopril disulfide	8627.628188	6454.377403	4108.372616
365.10241		8567.758293	10366.96228	2969.010599
336.07068		8556.371419	10991.42208	11431.56058
306.14033		8463.339157	10267.08305	12419.94539
322.05474		8299.357417	24035.80204	18528.79508
399.13512	NPA010427	8294.10674	4720.11517	12096.62796
328.15078	PC(O-2:0/2:0)	8108.363511	694.5235992	237.3293543
217.04907	Methoxsalen	8065.760784	7806.133223	13735.37103
363.04411		7876.600374	6080.340302	7995.459358
404.0928		7767.312557	10132.13409	23600.68292
332.89095		7742.505257	9657.60256	24657.28537
675.24743	3'-alpha.-Sialyl-N-acetylactosamine	7575.123378	9479.142886	8757.111087
262.14926		7554.208313	13923.1284	4425.139396
455.1993	ELR (Tryptic Peptide)	7514.292411	2723.143909	450.9034697
425.14715	NPA012438	7449.371858	2466.719785	2953.401873
639.25986		7279.366939	1822.202106	1031.548018
367.11974	4-Hydroxystestosterone sulfate	7154.889457	3625.017545	19795.33589
212.85126		6993.254991	7842.747144	15046.24217
230.94556		6819.29454	8895.368297	25112.69743
464.11514	Hyaluronic acid	6722.572545	4475.440063	13572.41081
351.05271	NPA019158	6683.230696	3617.945471	0
386.0501		6555.807038	5696.268835	2130.701827
451.22617		6554.397228	3490.293796	3008.359048
463.05923		6461.425383	6731.911151	2625.815412
607.77389		6396.901429	8040.426907	9228.862879
456.14657		6347.850591	0	96.66256893
255.14308		6311.079634	6525.785641	9674.147909
450.2974	NPA000970	6310.003555	0	0
420.15776		6292.659939	1803.016678	2663.253125
516.12868		6256.239625	5398.859015	501.0052734
304.10295		6227.540189	8851.012772	13031.74989
296.29317		6055.267444	3434.017203	2722.552602
403.15237	Ulexone B	6039.468647	1930.07496	2242.460507
582.24269		6039.34807	3387.78223	5864.076901
368.42386		5980.387189	2109.052914	9609.556985
564.2138		5904.440523	1793.035522	267.571582
486.2305	PCTR3	5887.558583	2224.689478	4720.757629
420.90892		5856.909154	4404.952094	8665.046438
323.21614		5799.529488	13227.89285	10098.78995
310.14064	Tyrosyl-Glutamine	5647.615198	95.3427948	579.4647863
323.16728		5636.919731	9107.810785	4885.031158
360.99135		5600.633743	30937.50355	3783.898346
497.08087		5592.94941	4139.176892	1125.605055
462.07606		5484.344153	5909.198587	1910.774391
303.212		5469.204887	10129.93954	1537.189074
274.18442		5117.74738	10801.67318	5292.545927
387.26962	Val-Leu-Arg	5112.846178	803.5201935	121.7621726
398.97208		5086.820018	1479.910846	3347.079182
268.12819	4-amino-MX	4948.529219	2134.359549	1238.260449
580.83292		4591.581396	3297.695279	8421.110851
400.06245		4569.318628	8377.595999	694.2557732
414.1382		4379.82735	642.7593506	1307.897846
564.86591		4378.012778	2726.090906	7073.211167
382.07483		4216.050833	4842.313031	1434.530411
437.31128		4161.413737	2951.630783	1642.689717
386.02232		4153.001101	6913.359326	9711.724115
590.23105		4151.152876	4499.643945	2940.733151
383.17625		4120.323635	2546.758609	726.2824219
465.0203		4119.050254	2571.224442	13205.12376
383.17908	Eletriptan	4086.486411	1076.449948	0
411.1598		4085.475002	1440.808832	3790.015522
354.21146		4084.017108	5406.788513	968.8663143
370.34398		4065.16709	5349.954276	2399.640705
479.00412		4036.451652	467.1078583	2920.36339
304.15949		4014.184575	5920.092139	2039.367653
327.09829	LMPK12110020	3956.685361	401.3864166	992.961196
547.18684		3935.156886	3746.147867	2744.011242
332.89124		3897.946625	3525.718311	6743.496496
304.06574		3874.940988	7492.992227	12100.9309
374.16953		3850.069145	574.1024048	1046.960415
567.1883	NPA023291	3801.392831	1246.812787	186.3615407
396.12482		3791.707398	8041.491458	2784.83623
338.18181		3787.089983	1951.848169	2175.02504
327.33587	NPA017112	3657.80942	1850.669519	0
340.9806		3654.951885	2513.511551	7966.058982
430.3864		3582.713862	2132.495935	6339.446209
428.03209		3541.349563	4064.932562	1512.13746
379.20712		3526.84529	567.1476257	735.1706572
354.07467		3518.798776	7060.3728	9522.072507
325.23258		3475.17977	8658.925781	6410.945611
355.04209		3470.637762	3698.330188	5317.446467
385.14666		3451.040173	1947.862146	1589.181129
646.26577		3444.644195	7404.758917	3341.168681
423.20642		3417.997427	3075.566443	553.5796473
352.04427		3407.510644	4829.470264	2518.177792
324.32446		3395.694238	967.485144	1849.230969
620.22956		3373.539342	1801.162982	549.9178424
410.23029	LPE 13:1	3345.124897	0	0
465.34334	Sphingosine-1-phosphocholine	3333.980257	1489.787732	1368.651798
191.15432	4-Azepan-1-ylaniline	3303.223607	7025.631085	12757.48062
576.94189		3282.280235	3830.105383	7984.391438
471.06231		3211.616206	3982.307425	128.194043
379.13571		3210.044447	3867.364478	6125.86458
370.11014	4,5-Didemethylsimmondsin	3182.839157	637.1311707	551.2112017
377.11105		3175.442817	1474.471851	1556.150264

455.18709		3151.200082	1295.368259	73.58223231
228.26742		3145.414595	815.328894	774.7669118
337.02952		3141.94525	7304.22572	2665.350758
639.21349		3141.778119	155.9494537	0
386.04946		3127.303034	1014.809631	270.8784237
361.96975		3047.553042	1706.304642	9039.593543
230.94503		3037.409707	2538.762927	4585.928613
407.08186		3027.189815	1998.291919	1245.065188
456.1846		3022.691344	2971.173065	779.727114
366.20464		3006.19277	0	0
493.17182		3005.74599	1287.122955	245.5324104
353.14157	Estradiol-17beta 3-sulfate	3003.354906	1612.959833	423.6634076
254.15946		2983.865694	7699.043712	3814.65301
451.16816		2981.275236	4162.149207	2607.691722
464.12657		2963.481781	1290.425311	2313.911294
399.96861		2955.224299	45.97710266	595.6676183
405.10164		2939.24256	311.2995239	295.0958295
458.1076		2935.549448	413.7997131	172.7795611
412.15659	N6-Carbamoyl-L-threonyladenosine	2929.445669	1570.18241	1752.355951
471.15721		2925.826585	2259.347833	1309.037776
306.02239	2,4-Thiazolidinedione, 5-[[5-(4-fluoro-2-hydroxyphenyl)-2-methyl-1,3,4-oxadiazol-2-yl]methyl]-	2906.418356	7134.319058	13070.8603
417.09788	Calomelanol D	2780.46209	1542.366568	589.4110294
562.14003		2779.035094	962.0542603	180.6284697
430.1717	Phenol, 4-[2-[[2-benzo[b]thien-3-yl-9-(1-methylethyl)-1H-imidazo[1,2-a]pyridin-2-yl]ethoxy]phenyl-	2758.709687	2111.585632	3039.742469
445.18197		2745.45946	4005.274786	270.1300896
326.3758		2734.063006	4882.027203	0
370.05143	.alpha.-Naphthoflavanone	2726.989589	5816.606528	4188.325408
271.1734		2710.654369	1776.039178	3755.485211
465.08637		2710.108631	1363.689346	0
184.0728	Phosphocholine	2694.061394	3756.762286	1992.031641
632.25071		2691.93441	2020.413956	0
631.27736	NPA032064	2672.145647	0	0
656.27794		2646.929093	973.3269531	0
365.27464		2638.911138	1311.693774	0
356.03779	2-Propenamide, 3-(6-bromo-2-pyridinyl)-2-cyano-N-	2632.665969	5796.725528	3453.747892
420.90914		2615.758996	3259.711707	6555.709053
404.1708		2599.544612	729.0910217	792.2524357
426.0798		2583.588568	2301.171111	103.1772633
518.31351		2555.045175	845.2695007	3303.576226
394.76266		2534.277116	4244.503152	1964.506721
546.23621		2527.875584	820.4971222	524.234128
524.21467		2508.391555	1077.294891	1013.293267
594.19853		2480.497329	1420.412732	1097.447335
637.1222		2433.467959	1328.470511	71.15375115
210.12585	Diethyl tert-butylamidophosphate	2402.133898	2589.5633	2304.000672
329.191		2363.595553	1806.959689	303.7559743
488.13667		2359.146743	1205.114697	0
418.27122		2357.186766	0	0
299.30441	.beta.-Nicotinamide mononucleotide	2344.645565	1182.363586	0
517.23482		2340.796746	9375.672769	2754.935489
265.12893		2296.481828	795.9173767	1670.929395
487.13573	Dichotosin	2274.167307	359.8591278	0
383.97292		2273.268539	729.5762299	2235.783778
525.09566	NPA004795	2268.059948	425.2894257	0
589.23551		2239.418098	7004.59198	6331.757508
332.9683	Dichlofluand	2233.883678	2376.523541	6639.311328
500.28349		2233.4536	55.78201447	310.9647116
559.22396		2210.510882	1379.473972	0
515.19263		2191.559059	1727.967917	14539.82296
476.15183		2189.700666	1554.442957	123.4611903
338.05997	5-Carboxy-lumiracoxib	2169.370977	5027.432867	3152.708324
331.21666		2143.315915	232.8004089	617.6030561
284.12592	(+/-)-Laurotetanine	2130.968874	0	85.56494715
551.18594		2128.235233	341.8520935	556.962546
326.13573		2099.714022	111.7350433	64.39367532
412.18361	NPA020626	2096.03234	6824.16124	3638.706325
530.24512		2092.607231	172.8073486	301.247886
394.10108		2078.704809	434.2814392	662.6806296
355.36661		2070.665995	461.410672	0
383.39727		2065.573924	161.9349304	0
620.24035	NPA023948	2030.292741	852.9995331	345.3557617
461.21414		1994.826265	670.3046844	309.9312443
258.04775	3-Bromo-1-adamantanecarboxamide	1993.289574	2066.457776	4276.498644
381.08783		1989.57023	978.111731	104.3210018
663.25414	NPA006712	1988.191024	1117.425369	507.9913545
436.14363		1979.210178	1649.72486	1050.950839
340.18138		1958.763073	512.1881165	409.8584616
533.19663	NPA002989	1941.739542	0	0
369.13348		1933.728082	760.598111	848.1455997
306.05787		1930.621104	1005.002832	577.8364947
528.12289		1917.162574	1643.51925	70.1089097
370.09066		1892.581298	907.1874634	0
486.21701		1885.587343	0	201.2365809
331.0408	Fenarimol	1856.765444	4423.108603	3552.271881
342.14175		1851.401414	1113.633618	603.3415614
481.18921	NPA020636	1833.979125	394.8250122	539.4194968
543.14815		1790.527757	186.3021637	0
453.14802		1789.423384	476.8740479	3530.67292
407.22742	Litchioside C	1781.382094	50.99259949	854.5662454
354.87435		1780.797547	309.4652374	3317.373334
473.2272	2-Hydroxy-imipramine glucuronide	1772.160037	0	0
212.85027		1771.325505	1691.599814	3447.596573
304.87507		1764.674856	2321.212329	1039.820611
343.04295		1755.503632	1028.003806	1025.949477
402.35439		1730.177605	1217.619711	1666.761368
235.11724	ascr#11	1720.232029	1375.091405	3899.963218
558.12154		1689.199301	1308.740659	613.8363942
380.17381		1688.389261	1301.451874	63.37108801
564.18762	NPA014223	1674.32209	1246.457755	0
312.17782	Arg-His	1672.076265	1518.284351	786.0514361
638.26054		1656.597052	1844.564771	1027.735547
344.11191		1642.198723	357.363739	468.6888557
444.11446		1636.799086	1253.377209	206.2357077
510.16927		1627.748124	546.1010498	5494.619543
543.12863	Isochamaejasmin	1627.382781	10403.58034	0
420.90997		1624.40887	1820.505954	1256.329412

535.05558		1601.19058	299.4477325	1557.917636
619.159	NPA016854	1597.464451	95.50826263	0
364.10689		1596.814153	1587.786389	506.4577206
444.03074	Guanosine Diphosphate	1594.855903	1105.969214	139.9454504
517.88917		1591.040153	516.5702148	310.0789924
435.16543		1583.443318	290.8019531	368.7272174
387.09823		1576.638693	10229.99203	1456.634375
205.06723		1547.896753	0	0
388.09851	4-(4-Acetylpipezazino)sulfonyl-N-cyclopropylbenzen	1531.782852	1932.230029	1913.099299
327.9652		1525.247375	958.2251968	4332.520221
457.24992		1515.98453	674.5214478	98.43553539
456.14939		1508.318225	446.5228424	692.0782169
250.08386	(3Z)-3-(4-Chlorobenzylidene)-5-phenylfuran-2(3H)-o	1490.555576	1425.814644	8622.950511
506.04736		1486.481053	1121.441473	0
368.03277		1475.364769	1880.587683	0
272.12273		1472.685604	2647.860524	25425.11301
355.13089	NPA021401	1451.484478	562.5066803	2017.404874
338.96285		1450.996176	41.21507874	8358.769652
451.15108	NPA004594	1449.143978	1183.086972	292.1050149
237.15836		1437.152623	1091.576501	1009.287833
440.19807		1434.336516	0	93.89041245
424.95412		1419.580243	0	0
329.03853		1413.769609	1608.696286	1849.515774
502.15192		1410.601356	3624.630258	1461.424851
454.14978	NPA022084	1402.40934	489.4823639	0
611.24931		1401.542059	119.7127747	0
425.12186		1399.092252	776.8147156	533.8626838
404.91832		1396.867234	316.3839264	1131.516883
504.28009	NPA028635	1385.525613	111.7008667	909.5315717
330.77118		1385.462467	3916.637372	10712.74848
409.09235		1377.926406	1947.169312	314.158565
441.20734		1376.026124	1656.646481	0
373.12031		1373.280728	2526.932455	11914.33876
493.15509		1367.373388	422.960498	83.19139476
306.17917		1353.439877	363.3803528	0
379.05428	PyroGlu-Ala-Lys	1351.306589	1595.327502	0
330.10471	PyroGlu-Asn-Lys	1346.719241	1710.485748	9332.847564
313.06519		1338.730954	2521.10416	1986.187362
393.30627		1335.110016	78.40147705	0
506.15023		1332.445979	503.9786285	221.3330193
532.14369		1324.239278	451.1689636	89.34736903
348.8651		1308.326699	1599.075443	1144.779814
463.03014		1299.661345	104.2822296	966.291142
272.16653		1296.16245	510.8190643	2183.131284
352.18242		1288.897745	517.5269775	246.0158088
308.32994		1286.556191	0	0
399.12582		1286.381702	3956.430408	1117.164419
434.12773	N-(3-Pyridyl)indomethacinamide	1284.376462	736.8443176	1261.945008
359.23933		1262.157692	513.4985107	159.9343807
382.09379		1261.646061	1363.542578	262.6219669
443.0972	(-)-Epicatechin 3-O-gallate	1250.238348	0	0
538.19799		1246.510143	834.5475403	68.804946
541.1652		1244.573805	84.98748474	0
408.13064		1237.749153	2649.727795	841.0845244
474.13041		1237.571785	606.9910583	306.0432215
554.15399		1236.737403	764.0672424	409.8035616
509.17163		1234.030186	1717.629614	502.8311351
280.19444		1230.048079	3380.042419	677.2887236
414.11682	NPA006015	1217.184131	1055.113806	850.7592831
659.19275	Linocide B	1199.033983	0	0
562.16761		1195.241087	302.2632416	0
274.17163		1193.871125	1151.133078	296.6207721
425.1361		1184.813017	133.5874847	1544.606882
644.21841		1183.404633	608.061319	700.180509
355.05671		1181.255436	512.4518982	342.6469669
388.39266		1180.841502	3098.283118	0
383.15403	2-Methoxyestradiol-17beta 3-sulfate	1178.465443	264.9327576	0
527.08489		1174.839529	152.9957382	0
320.03856		1166.250269	2856.838397	1860.627591
540.16969	NPA013743	1162.01051	1184.884406	4101.397093
449.04575		1160.369234	619.2922089	4735.728952
452.10647		1156.254123	2144.282483	927.0889246
522.03779		1140.223173	78.97572021	0
658.16299		1128.636812	411.6104034	228.8613683
348.11538		1111.823087	437.6608521	331.5356503
343.15132	NPA001131	1098.421126	662.142157	944.2644014
397.05041		1093.72742	2528.411215	598.2398495
306.07271		1089.399585	1842.47077	1800.383347
369.20686		1082.016348	0	385.1969439
468.10226		1067.419581	439.7736572	0
416.14601		1066.678344	0	0
354.13745		1060.954107	210.6147308	1296.595198
297.06225		1055.206494	0	154.3560547
335.09015		1044.490803	384.1616577	380.0658088
338.96424		1042.752739	1697.545798	4850.43268
325.08832	[1,1'-Biphenyl]-4-yl 4-methylbenzenesulfonate	1034.987108	1147.87485	4191.742032
441.18501		1033.496471	2654.937747	0
400.9513		1019.668258	0	0
320.00239		1016.679011	229.7087463	448.4610983
445.15757		1016.403522	258.0441986	0
606.23318		1007.222765	718.1496246	0
388.13746		1001.188843	604.2943359	1489.876367
435.26975	Leu-Phe-Arg	999.0216859	106.7130829	0
200.04614		997.1468254	973.854718	2797.39726
302.2826		994.8673942	0	0
330.092	NPA009236	993.4132099	235.9833923	782.2422794
422.92527		985.137871	844.228421	2706.056445
568.25561		979.8405878	1164.011139	0
339.04978		976.7689939	978.9992126	769.0689338
470.10613		966.5770038	486.4536865	189.9865005
373.13422		961.5046761	1428.531998	5063.531273
507.16634		957.9186095	140.5274475	0
417.12435		955.427228	798.9811066	0
357.9755		951.5873429	1195.165784	278.1152286
367.12794		951.3919167	830.7568634	288.6290556
396.21362		946.6383412	31.23950806	0

416.15664		940.1474661	1610.437939	0
621.27326		940.0389798	0	0
337.95322		916.8177652	703.7623199	1950.370743
638.20383		916.1051071	261.9052277	0
378.15143		910.7371652	179.0529419	825.8328814
471.12405		904.328063	348.0943512	99.14742647
385.13554	NPA020898	903.8211082	379.2233765	268.4805836
468.12152		894.3216559	249.4509705	263.8869141
372.03558		893.7042152	3056.75354	2532.159496
264.26734	NPA024366	888.877258	933.2540543	5684.449282
361.19622		883.3711971	0	0
246.15494	Arg-Ala	883.2793692	3787.171715	272.0743365
396.10398		880.8009673	1317.326212	661.8073357
343.13923		880.6441902	151.3879089	0
504.18218		875.7871197	324.7121643	978.5510225
346.15034		869.4588707	488.6687012	201.1760972
456.17425		865.8687169	1237.133395	784.0764131
409.17411	NPA029339	849.9776682	0	64.77319623
375.14831		846.1825138	1211.814581	1128.127625
226.16451		840.1674572	2851.945221	0
448.15876		828.244182	0	0
440.21306		826.4719535	600.5095093	651.3919807
397.18717	NPA031196	825.7385448	483.181723	573.4344612
483.08803		825.4355882	3624.947131	1431.257382
319.16969	NPA023168	824.9852379	421.5179749	0
455.17149		824.6830822	0	130.3916705
384.05259		823.9206246	1791.455933	209.3209042
422.11642		818.1792018	600.9069702	0
407.97899		817.1318514	745.4656281	389.2718865
371.07471		816.5128142	3132.042754	2210.912
306.11944		813.1269066	1149.391153	1752.230509
353.07087		811.9817088	591.5337219	334.7970129
510.19201		810.1286996	0	472.6528033
346.06449		809.6598256	1334.145715	256.0820255
613.20658	NPA021965	809.3443494	877.791272	660.5189798
354.09459		796.015718	1038.878583	2583.218336
390.15103		794.0122871	665.5023621	163.1860294
594.29713		779.4648127	0	0
431.12503	NPA006499	768.1607143	8162.005981	645.900293
503.25215		767.4923012	41.05913391	1396.132548
564.22395	NPA020385	766.4796472	97.78105469	0
404.16584		766.0137287	2085.696005	1800.743382
305.159		764.8481885	380.6313171	240.3388327
386.82059		761.8814846	869.4942642	994.1305032
516.16674		756.6752232	784.0011963	466.5020221
466.78597		756.0367425	1155.254381	429.0065947
530.20149		746.0555556	0	0
537.16678		733.2704561	0	0
445.12039	Dodecamethylcyclhexasiloxane	726.8448247	845.450647	423.1778435
502.13764		726.7816634	375.6762909	0
310.05096		726.7030217	371.4318115	128.553619
288.12745		724.4618159	1900.390869	2743.253918
372.18965		719.7000713	90.2012085	178.9172277
366.08035		705.5628204	1586.068787	384.0532973
396.0886		702.3198423	5076.018695	856.0887293
353.08339		700.4178654	159.8264465	4000.05162
540.22301		699.6192646	1490.457715	0
383.10732		698.2548983	805.1439667	529.4333755
258.06428		694.4838118	753.2073059	2355.741297
399.1413	4,6-Bis(4-fluorophenyl)-2-methyl-5-(4-pyridyl)pyrazole	691.1240958	2172.139297	867.2042394
464.16542	PS 11:0	689.5719659	231.6231506	0
561.87383		688.6871486	0	0
568.14326		686.846318	898.4951721	142.7169807
410.2093		685.0848008	0	0
423.17147		681.5976563	127.5815308	273.3112822
364.13906		678.9666315	473.610083	1564.43993
466.11636	3'-Azido-3'-deoxy-5'-O-beta-D-glucopyranuronosyl	678.2984561	1123.652014	0
438.1629		673.5993872	1056.249536	83.98194508
430.14202		670.0866299	1035.169653	275.3167624
538.18492		669.7917545	469.1088684	312.78233
374.04855		665.7098679	2130.045422	1194.107135
382.9544		664.3222656	970.5997894	876.2847197
612.24163		663.773484	317.9189148	0
455.19825		658.7264282	3147.557248	621.936242
455.11405	Licoagroside B	657.5088976	1862.452878	0
277.09697		656.776486	88.10525208	880.9861328
379.07545		655.6736731	621.0852905	271.3822725
429.14836		655.2086847	182.4724243	0
427.15701	1-O-((2E,4E)-9-Carboxy-8-hydroxy-2,7-dimethylnona	654.8377201	4989.380765	502.3353975
352.06486		654.3274533	2885.335007	1850.258393
400.37529		652.7098266	1422.146973	196.1148897
427.14793	NPA024648	650.4239831	897.8465271	1216.904458
320.06059		649.6302703	546.8778748	933.0332778
380.09682		646.3413318	983.5233307	0
547.07759		642.9073144	0	0
413.14478	NPA030011	638.8361855	1676.927695	1977.355032
517.08172		637.1647239	45.32922668	0
390.13044		636.2369275	1119.45217	560.4398438
252.01431		632.7591869	507.7520218	5292.168945
417.08156		630.1193473	35.48799438	0
631.87965		623.1529793	700.6878479	814.3949678
601.2531		616.515625	0	0
449.10904		614.7579107	1498.275201	376.5468061
583.24263		614.2396453	224.7318359	0
489.1221		613.1266069	1364.84267	0
386.03444		608.8177497	1118.322559	1060.188603
440.20155		608.5167101	321.1236664	532.4885685
466.08601		607.0594773	1145.712915	77.27100758
402.28253	Val-Arg-Lys	606.7818442	146.1458954	0
459.18224		605.4209346	885.5014587	0
455.18173		597.639974	221.0294128	279.289614
516.18266		595.2699033	0	0
364.0997		589.4497613	502.7810425	136.5632353
532.2814		589.1332207	0	0
482.35662	NPA028421	587.1364656	0	231.9847024
427.16359		585.7249814	171.3821045	0

458.21376		585.6632203	1146.230118	0
459.12511		585.3810557	0	0
195.09055		584.3328941	0	0
398.09539		582.0850178	142.2235657	0
495.01754		581.8778522	0	389.5199621
484.83888		581.655568	729.1480927	197.5988396
267.89305		580.0198852	1071.002945	6530.08291
262.13819		579.8567398	638.9472595	365.9210478
501.91117		578.6787988	207.4298523	112.5539177
340.02677	3-Carboxy-6,8-difluoro-7-hydroxycoumarin succinimide	578.49412	1000.842531	229.21115
372.24072		577.6331742	0	0
583.28115	NPA000083	575.985026	2262.157373	0
564.20288		575.264943	231.4496643	0
346.10946		574.9121145	275.1271545	97.64654182
399.14702		571.538954	638.3358307	460.3798828
400.11835		570.1017278	446.2421204	297.5059455
453.18278		569.8733982	621.1012878	246.502114
378.78982		567.9056661	92.35424805	0
507.15585		567.5228691	80.28094788	0
487.17793		566.8837736	367.0835236	279.477608
323.13233		566.7251519	457.5670044	78.97566062
305.14505		565.162647	0	0
623.28765		561.2572338	0	83.31972656
590.21818		560.099351	221.5802734	0
240.26626		559.6732804	239.9963806	0
416.74531		557.2271722	0	0
547.11651		552.8537326	168.9152954	0
406.13975	4-Thiazolidinone, 5-[[[1-(2,4-difluorophenyl)-2,5-dimethyl-1H-imidazol-4-yl]methyl]thio]-	550.911417	0	509.3664752
328.13564		549.8482918	1014.039288	1023.943957
271.15927		543.0800988	214.0393341	228.4197955
656.25342		541.2148748	302.6980957	0
407.0946		540.3008226	909.54552	1145.509547
372.14349		536.6172133	0	0
497.06993		533.619461	459.9971863	359.7225011
412.139		533.3655289	152.1118866	0
543.12872	Isochamaejasmin	528.4892216	196.7304596	0
414.16424		523.6011181	496.2081543	0
381.15213	Egtazic acid	523.2291615	820.2349518	300.9757813
439.10125		522.3719256	175.9651764	0
505.98632		519.7466518	150.2921692	803.400563
352.0647		517.1141441	1106.205344	933.4684283
388.03189	Deoxycytidine Diphosphate	515.6424179	1521.169119	1580.666119
558.23907		515.4731626	83.15281982	255.5770048
517.17417		512.1393694	65.61328735	95.10684168
340.9195		511.6033399	209.783194	0
502.96455		510.7618324	123.5718079	466.3573989
557.11035		510.2348504	117.4168793	0
418.13554		510.0462085	125.2175079	319.1537569
475.21775		509.8817584	0	697.6208123
558.849		508.5398582	541.1726501	2201.997783
490.178		508.1141286	67.02901611	0
189.06892		508.0829174	347.6682968	945.0014706
441.18305	Sertindole	506.0683594	206.8374207	0
336.78011		504.1997251	92.4402771	1154.046008
288.09286		503.2722026	927.6486115	1498.897024
308.04086		502.5585292	3197.625119	4181.797001
554.12917		501.7329799	111.047937	107.8023667
340.15404		500.6624194	1420.384354	527.2713752
416.29486		499.4592479	953.580249	82.42900965
468.08139		498.0810289	54.28533325	84.06118451
377.25154	bhas#22	497.2502377	179.685614	0
414.1823		497.1140253	909.9844971	1192.6179
408.05425		496.8370329	1881.224704	676.125224
461.17816		496.4058056	106.3096069	0
434.07027		496.2793795	612.8061462	95.39803539
473.14414	Auriculoside	491.5216032	274.3435638	703.7288316
496.14914		488.5491898	132.6561279	335.0382238
431.12927	NPA023450	488.3485811	0	0
367.03898		488.2639457	670.1325684	0
252.12576		488.2378059	1707.749084	193.2202321
521.95513		484.8973938	0	861.6060719
306.05575		483.604487	116.2549194	135.7647633
391.11214		480.5195519	892.2021393	0
321.05457		477.8575045	793.530542	1028.248547
386.21126		475.662099	0	0
273.19129		475.4621647	1088.275949	0
306.10087		473.2225426	238.7012512	139.6990694
381.10055		471.7541543	88.04984131	136.8511029
353.11008	Hexythiazox	468.3638445	242.0134247	435.7887753
411.11156		468.0774895	608.4039185	413.7016774
541.13053	NPA022145	467.9270472	0	0
438.88924		467.7718822	1255.651459	4128.867822
446.10362		461.9228671	0	0
581.22029		460.684343	0	0
484.09277		460.359158	423.6811035	0
436.15673		456.0791791	0	232.9489028
621.23722		454.7317657	3525.484735	356.9188821
568.17537		453.5010127	529.4550171	769.3772978
414.15848		453.3220124	244.9107361	325.801057
244.0786		453.1373646	332.4323563	3146.901143
361.11343	3-Methoxy-4-hydroxyphenylglycol glucuronide	451.0622623	0	0
354.10547		450.9130291	67.02846069	358.890602
386.03577		449.7938626	875.7637085	420.6920841
441.16826	Candesartan	449.6188099	47.2565155	0
563.0646		447.7080543	0	0
471.16771		445.1035001	888.5384552	820.5347771
423.05147		443.5943907	214.6225525	0
365.06079		441.9245567	220.4604492	0
403.20109		436.7781911	64.1248291	0
314.07546		436.7571615	35.6379425	0
462.05065		435.7178509	265.8759491	343.8020795
382.13262	Dye X-5380-114G	435.3997292	100.8313538	560.5256434
315.00956		433.9183666	1223.282381	2972.723369
308.08469		432.6510727	491.2443115	245.4163143
322.9669		429.7590112	3918.851471	0
318.11338		429.6800285	4244.382422	132.1815372

541.17106	NPA008905	429.5309917	0	0
364.11058		429.4036975	2885.051065	3374.957393
235.17895		428.1288546	743.7490204	0
396.05034		424.7997272	1329.497748	84.99614545
334.04099		424.5821036	1001.104407	366.6019876
269.15977	Histidylleucine	423.0178933	2534.69668	0
356.06126		421.2619719	112.2880798	223.2969439
604.26687	NPA023822	421.2304171	404.0047485	87.51564798
466.10401		420.6968678	1489.642047	925.0029067
420.13799		420.2379919	871.754895	588.0879768
363.07803		419.728743	277.8127197	484.7381319
535.19784	NPA000869	419.1231605	2345.771069	3077.03337
355.08822		418.4508412	343.7162689	0
587.23169	NPA031137	417.7961206	0	0
310.03308		415.718843	327.932666	439.8103516
542.92456		415.1677982	1182.108307	1666.042929
495.25284	Flumethasone Pivalate	414.5666078	338.5764221	0
435.14857		413.9994213	556.7903687	0
449.89534		412.7659893	1275.872141	2195.710099
604.23755		412.7460834	282.5747284	0
429.13753		410.0865265	1083.534253	1326.975287
389.16776		409.7544229	512.8041504	0
459.06512		407.8322018	2195.137534	0
272.14934	NPA016999	407.7493386	199.9844666	775.3524759
373.10963		403.8824198	275.6828552	725.6777057
462.12221		403.6116485	159.3149719	91.46711282
480.13247		403.5031725	585.1547119	0
397.0717		403.2705285	1424.600195	93.0774529
312.12115	PC(0:0/3:1;(2E))	402.5965815	0	0
386.07131		400.6705109	39.73421326	0
322.0895		399.8245494	332.8597443	0
488.12147		398.70885	0	0
325.17722		397.538613	430.1456604	241.0388327
642.20053		396.9598318	57.09890137	0
370.12348		396.3090174	45.6449646	0
484.75582		391.6990844	863.6724731	1887.739028
322.15183		391.4732453	0	0
453.13412		391.4425017	131.764032	0
409.17999	Tamsulosin	391.2489873	10426.53688	457.5200368
421.11987		389.6210421	41.42814941	0
590.20172		388.6897321	132.546106	0
332.87853		386.416646	659.1897522	724.333611
582.22819		386.2192099	164.70867	0
239.15303		385.9128896	0	0
343.07253	Coumachlor	385.541956	0	197.554992
547.14756		384.4203869	213.883371	0
283.26137		382.7749721	536.6167633	89.39773093
638.18541		382.6527209	88.76987305	64.21840533
530.32862	4-Hydroxyphenylmaraviroc	378.3856027	0	0
358.12926		377.810118	510.5075775	1509.749477
613.23866	Novobiocin	376.3093275	142.3811646	1694.801241
620.21719		374.1845238	188.473996	0
319.11035		373.788737	0	136.1453355
574.23655		372.4015842	139.5791382	84.7890625
332.87177		372.3797743	645.8923706	622.6915843
428.11723		371.6919436	0	121.9286075
505.16556		371.1885334	228.0465363	380.4164522
476.18753		370.509683	113.2039917	0
389.0896	3-Isoxazolecarboxamide, 5-(5-chloro-2,4-dihydroxyp	369.9195705	108.3829285	1119.179504
368.02342		369.6348276	595.5674988	384.6680492
305.06809		367.6817285	0	57.32461512
429.15891		367.2987868	449.9314606	0
621.25878	NPA014911	366.2426939	0	0
440.18893		364.6174148	84.04832764	0
605.13426		364.3195943	146.7487274	0
336.94604		364.2170294	25.83355103	63.19157284
449.10601	naringenin-4'-O-glucuronide	362.7868717	153.3959656	0
540.80556		361.2429781	453.2983154	1244.34267
398.05508		360.1547619	62.5850769	0
399.15445		356.1751664	0	151.2904756
379.10943		355.8395441	456.5591858	378.2360524
307.18473		355.3312872	3023.3436	2142.558341
533.19875	NPA016056	355.3085214	206.9580078	0
461.15301		354.5964058	101.9710968	0
463.04455		354.2263558	142.1533813	341.9803826
431.14557		352.1536458	167.1454956	0
576.11837		351.2425854	2075.196921	124.8574219
589.22337		348.9080171	343.9962524	250.8382468
462.17129		348.1466807	72.07648315	275.8740234
623.27123		347.8957713	109.064389	86.70613511
346.13971	N-(4-Fluorophenyl)-4-(2-methoxyphenyl)piperazine-	347.2657593	0	0
599.16553		346.7265832	157.3575867	0
497.205	NPA010719	344.0313688	53.23321228	3398.572737
598.22143		343.7427249	0	0
412.16636	Methyl 1-[(2'-cyano[1,1'-biphenyl]-4-yl)methyl]-2-e	342.6012473	482.7488464	122.8201861
451.14061		342.5182137	584.4429443	279.6148897
462.1561		341.3984065	112.4485535	172.260455
585.1653		339.3866051	325.5517761	175.0346967
425.14407		339.3222966	1207.032581	971.3272978
518.19995		338.6449653	3112.555118	490.54294
582.95796		338.51516	1504.958432	2617.750017
427.14052	Villosin	337.0111504	805.5582794	342.7116613
391.17713		336.9961144	529.7974976	0
570.25388		336.4792338	0	0
430.15513		335.4826492	157.6068115	266.9103286
297.08299		335.3306052	0	0
404.9157		333.4583902	452.0802032	0
452.08172		330.0492105	1869.99577	370.7683824
412.2428		329.4413029	0	0
427.12883		327.4106523	156.8083191	0
291.04637		325.692233	1594.352209	290.4677677
373.099		324.7553943	66.92703247	152.5015912
614.90825		323.4536572	185.6330688	766.5168026
371.2379		322.2853733	0	0
404.10443		321.4422433	1003.984509	1237.855331
306.16903		321.2091291	0	0

280.17961		320.9308346	644.6697632	289.2251723
373.9617		319.5248843	324.9535645	791.7688649
502.17729		319.2574818	562.8992554	103.0080423
359.13286		318.8299128	255.6531738	295.9724724
522.00563		318.3076895	232.1651459	937.5300666
323.0066	4-(3,4-Dichlorophenyl)-2-hydrazinyl-6-(trifluoromethoxy)phenyl	316.7107515	0	0
434.84109		315.3493097	43.81735229	0
377.13167		313.8233094	399.2908203	83.20315372
367.15856		312.239108	169.7180634	188.5590361
502.96226	10,10'-Oxybis(phenoxarsine)	311.8958333	425.7284363	233.5667739
164.93469		311.2898531	161.2567703	329.1542567
349.1857		310.5707672	290.0228424	862.9548713
361.14804	Poly-(glycine)6	310.2966063	126.3465576	305.8744256
343.16149		309.9939339	68.22541504	220.8107767
338.0968		309.6406457	642.9036987	502.4620232
467.18523		308.348483	1501.294885	320.8278722
311.29234		307.3298714	743.7047424	2058.718917
275.10915		307.0898644	393.4158401	1098.184053
570.22148		305.3617415	0	0
489.2193		305.096783	2142.593552	135.8612247
308.16456		301.9260086	116.7940796	0
541.15057		301.6230004	48.52075806	0
302.11975		301.4176122	698.9206787	0
346.12554		300.1553458	66.36417236	120.1079389
375.98604		299.4054284	46.80730591	409.1894531
464.19937		298.5770813	727.011618	2224.732893
632.22216		296.0588211	145.4975494	0
410.07139		296.0060351	476.4351685	98.32517233
279.03223		295.4173745	55.1543457	0
391.19433	Medlazine	295.010706	74.83238525	0
494.84836		293.5403698	0	0
338.17137	DTyr-Val-Gly	293.0755363	453.9376556	0
373.98452		292.9091926	145.3492676	643.2709559
383.14916		292.3253142	609.1684784	515.7588178
669.21531		292.2383226	36.22377625	0
382.95387		291.5238819	190.5347015	1722.662006
466.07018		290.8624339	60.70888672	134.9030101
311.11134		290.4913711	435.9128052	96.35236098
398.12411		290.3499297	59.08636475	0
226.12082		289.9198444	1703.369687	378.7736615
405.05849		288.4261171	0	0
332.89181		288.1437717	362.9700562	0
322.13856		284.5519903	0	0
441.14791		284.4667142	204.6567596	0
249.15737	NPA005981	282.8535053	0	0
355.06775		280.1183656	221.5481567	158.3019761
280.008		279.716182	1302.624823	2682.173501
516.12317	NPA029354	279.6715133	663.6532684	0
597.26144		278.0868624	254.5124969	1095.441131
656.24308		276.79904	92.97050781	0
206.08085	5-Methoxyindoleacetate	276.4400577	205.1758148	2377.809892
436.28455	NPA000340	276.2377904	0	0
510.16753		274.4394015	0	0
202.07732		273.3387483	183.0704834	85.74804975
298.11384	1,2,4-Triazolidine-3-thione, 2-(4-chlorophenyl)-5-methyl	273.3081804	1302.795929	80.4517176
424.13176	Flumiclorac-pentyl	273.0167307	0	0
647.84134		272.9594494	709.5661011	200.7406193
575.82396		272.5050947	37.18980103	0
380.19191		270.1655506	252.6447632	0
478.14561		269.515842	76.5397644	0
249.08026	N-(5-Propyl-1,3,4-thiadiazol-2-yl)isonicotinamide	269.4474852	400.1523895	2418.849931
365.11298		267.4704964	88.502948	0
276.16266		267.4282898	2423.302158	195.2937328
564.16731		266.5103547	349.4265594	0
518.18607	NPA022549	265.8700965	78.16453857	259.5287368
599.22467		264.8811177	68.58695068	0
434.10011		262.5743738	1653.179141	510.378642
425.13655		262.4685227	31.89693604	0
412.09373		261.9218957	372.8591614	0
414.20734		261.8399936	40.00500488	0
329.17994		260.3620928	73.14989624	0
370.09542		260.3438637	0	0
402.24365	Didemethylmifepristone	259.0922309	48.12889404	0
306.03729		258.5975322	58.75527954	807.7849265
510.18049		258.0063089	100.9932037	308.6521657
402.11624		256.5207042	2027.841895	318.7829044
409.15272		256.1491092	0	0
484.88043		254.937686	706.5417969	0
403.12811	NPA020976	254.4535487	399.7502106	334.5145565
675.23312		254.2004278	688.60849	0
461.19661		254.0086496	0	155.5539694
386.10249		253.6845031	311.1709625	218.7091108
388.19496		253.6573609	0	0
480.25486		253.65563	0	526.1944221
589.20959	NPA006854	253.5951451	292.5040924	157.0315142
408.96641		253.1937211	0	0
625.2606		252.8934255	0	0
394.12248		252.7172722	0	1178.973524
374.13009		251.8237382	62.49282837	226.8922335
444.04475		251.7776383	75.15236206	0
541.17873		250.0928819	0	54.37870519
449.23482	His-His-Arg	249.4054853	0	0
310.96306		248.9809028	141.3020081	986.5244485
425.09804		248.4153853	0	0
299.01783	2-Bromo-4,5-diphenyl-1H-imidazole	248.218874	1885.319479	616.3040614
375.23147		247.3965412	53.07731323	0
568.18176	NPA016907	247.16739	501.4769836	163.8562787
213.06778		246.9415768	76.86584473	583.5509306
360.05349		246.9049944	45.03092957	482.9956112
321.09582	1-Naphthol .beta.-D-glucuronide	246.7673094	1154.408269	1632.017765
554.16627		246.1963666	0	166.4873506
320.05972	O-(Desmorpholinopropyl)gefitinib	245.9954582	168.5319702	363.6371553
518.81468		245.9069114	475.1894958	642.1075712
187.03852	Bakuchicin	244.9299148	323.185733	900.9094066
340.39097		244.5231171	0	0
361.07115		244.1273665	0	71.69230813

257.05921		243.679734	271.0882141	909.6452148
337.05526		243.194739	1072.060385	1281.520146
675.17873		243.0721468	0	0
422.92492		240.9561735	466.1898895	3321.245126
334.02945		240.2619254	3885.512946	1985.372702
371.11369	Lupinisolavone D	239.4657686	528.3375549	377.7290556
369.09351		239.1789641	169.4420166	97.67495404
294.05051		238.7592438	466.0160828	697.3144474
353.15158		238.1437045	37.52351074	398.8246209
520.31437		237.9856771	2624.330466	4165.184421
453.19674	NPA003855	236.8567605	0	71.63561006
356.11076		236.6765563	74.3600769	199.346312
584.14299		234.8090278	1196.434949	113.385409
328.13391		234.5766989	244.5870026	0
509.14396		234.2244389	572.5403442	65.61722771
584.2642		234.1878307	0	0
352.09374		233.6905899	42.73977051	93.14491613
496.1168		232.6833457	129.348291	0
499.16323	NPA009101	231.5221768	125.7017578	70.4876034
336.94552		231.3750646	2476.226477	807.1026999
571.20063		231.1803799	0	0
378.11597		230.7830895	1060.067914	158.3549345
344.17251		230.0524089	0	0
212.23665		228.6691417	78.09554138	0
339.06058		228.5992374	1227.178003	973.9000919
397.17167		228.0200945	97.09938965	80.46524586
400.14695	NPA002641	228.0072648	995.4832947	1063.190677
375.15326		228.0065828	118.5463745	380.2832835
471.1788		227.4185371	91.17241211	188.7322898
319.06246		227.2880653	111.3072388	293.9546186
365.10146		227.1421131	89.4329834	0
322.06492		226.786076	394.6852905	184.0025506
551.16248		226.1338976	154.208609	86.36200023
486.19518		226.0141369	0	0
344.11934		225.8578972	93.87113037	214.5785501
212.07043	1-(3-Chlorophenyl)biguanide	225.1185464	0	0
656.26708		225.0630787	189.8954712	0
457.09808		224.4040799	426.5765015	2510.855963
323.20306		224.3311115	0	323.4544922
288.1119		223.7088604	129.8996307	934.5239545
424.1661		223.3298301	0	0
329.17995		223.0727927	730.4946838	584.9169635
630.24875		222.8316282	109.6853271	0
632.19356		222.5837364	0	0
232.13616		222.3453828	2535.86944	0
440.22332	Pivmecillinam	221.7970403	364.7197327	0
467.14749	NPA000910	221.5558139	349.102713	254.4491613
338.96393		220.3370432	133.923056	520.9936006
430.18247		219.1587922	0	0
517.19262	NPA016239	217.8728402	276.8295837	0
400.34019	Carnitine (16:0)	217.776455	769.5945282	170.0421387
358.13747	Haloperidol 1,2,3,6-tetrahydropyridine	217.5175988	344.5691284	0
426.24407		216.9636037	307.9212799	967.3882468
345.01835	NPA002988	216.5045573	6399.399542	977.3606043
549.16895		214.1408007	0	0
439.11817		213.929083	6867.04278	1208.109674
471.23319		213.4878989	289.1259735	0
635.21703		213.4325707	43.57080078	84.40902459
330.97504		213.3242446	187.2746704	3259.857192
313.32012	N-[3-(Dimethylamino)propyl]tetradecanamide	212.7073516	58.85844116	0
419.11967		212.0183118	95.78786621	642.5611213
533.13725		211.9567006	0	0
322.07923		210.5196139	255.3944	320.327338
201.05331		210.2196852	271.1055817	581.082666
308.19805		209.8888527	2527.237488	296.0997875
379.19412		209.3710782	0	0
430.17862		208.7520875	1446.633267	151.3707491
401.12687		208.1142526	516.1091522	705.3336225
497.22208		207.9675926	62.59958496	154.957824
490.14019		207.8241981	95.80925903	167.2303309
382.15165		207.6248037	74.24223022	659.4363971
487.0418		207.4880849	0	0
391.13674		207.3564815	291.7016541	74.41146599
530.79546		206.8364387	0	341.9254193
512.00107		204.7614397	409.4378998	53.87158778
409.10313		204.7423322	0	0
375.19637		204.1880064	0	0
366.95911		203.9129103	183.8628448	816.1331112
411.20809		203.5699818	0	0
509.14899		203.5663494	48.51158447	644.0192325
468.15007		202.9157366	224.7888367	0
290.0555		202.4877956	1353.014651	962.5709559
358.12341		202.3714451	198.7530396	0
350.00141		202.2105603	594.1581238	239.3909869
589.15653	NPA009718	201.7888197	0	0
463.9801		201.7823816	176.262619	0
370.06219		201.1827257	949.2487366	0
530.23053		199.645978	0	0
242.1096		199.5778382	0	0
388.09339		199.4437004	551.0729065	0
665.21073		197.1596292	0	0
446.1423	O-hexanoyl-adenosine monophosphate	197.0299583	1359.895154	0
453.16891		196.7105241	230.1451782	277.1685547
555.20302		196.5957341	78.23012085	135.0604665
568.20323		194.601857	168.049295	0
423.21684		193.3387587	0	0
351.05539	2,2,2-Trifluoro-N-(5-((trifluoroacetyl)amino)-1-naph	192.9802207	288.1140869	0
534.23434		192.8156622	0	150.1476792
459.2495	PA(20:4(5Z,8Z,11Z,14Z)/0:0)	192.4405485	0	1601.784898
496.12753		191.7610987	261.4168823	245.9883732
399.16803		191.5849454	1421.57952	147.3202206
331.19498		191.301546	31.91278076	0
606.20167		190.6473111	104.8597656	0
391.02752		190.5321801	909.67547	0
632.23921		190.4933139	55.29819336	0
594.29632		189.6057943	0	0

431.08809		189.6015573	146.3398193	0
268.12858	4-amino-MX	189.4425017	0	0
397.15774		189.2568566	81.80949097	137.7641831
594.21783		189.0207403	0	0
478.13366		188.4986256	0	78.89199219
430.16121		187.8177497	81.81927795	207.3305607
414.11886	NPA022338	187.7268519	0	0
471.13562		187.6755539	189.0060547	132.784915
461.16634	Ethanone, 1-[4-[[4'-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethoxy]phenyl]phenyl]ethoxy-	187.6306527	0	0
336.06477	Sulfantran	187.1292214	210.2461884	938.8075253
398.14205		186.6484582	143.9924744	379.6010972
505.11761		186.4149151	0	86.54451402
437.1182		186.192512	66.7737854	94.11696921
584.1471		186.1787264	208.0185913	72.69440487
548.18675		185.3118025	35.46785583	219.3103631
257.03769		184.9963159	40.28216553	206.2711799
374.03253		184.2950769	111.3758057	357.615062
427.19181		184.2529349	1342.774097	1169.050465
403.10814		183.9938461	158.0297241	66.91559053
368.0437		183.8710111	166.7607086	0
376.0971		183.4052993	224.0720337	218.6240349
543.15888		182.4748884	43.51000061	0
420.9203		182.2283399	194.1666992	0
343.03146		181.5915799	98.50500793	183.8220933
197.12706		180.6136274	54.26323242	0
391.07289		180.587777	833.6500732	152.4228401
378.8906		179.9795439	111.8208252	439.3867245
398.16225		179.7477059	129.6664673	126.1220129
443.09489		179.7436343	106.9782043	279.054383
584.27578		179.1322855	0	0
414.15423		178.8317057	207.0236145	298.7869428
238.09065		177.7906152	56.32951965	548.512724
625.29808	NPA022449	177.6210886	139.8694885	0
356.14503		177.2045821	114.7708832	103.2702551
353.12547		176.9160415	0	0
303.18578		176.7443163	611.0453522	0
478.11036		176.2472305	0	0
420.89117		175.9024109	130.3303986	416.0030331
568.15981		174.8376633	33.04921265	357.5699621
561.86299		174.3693525	0	0
421.19382		174.3187417	1029.417703	95.47237477
396.07205		174.0613658	977.7765991	174.3076976
165.06945	(2S)-2-Amino-N-hydroxy-4-(methylsulfonyl)butanamide	173.9552228	1146.576251	617.7950483
298.82487		173.4983052	258.6888123	830.5538488
463.13012		173.4927094	796.3966003	2038.462839
564.85295		173.476764	391.139209	0
422.15533		173.2755611	0	0
651.19448	6-Methoxykaempferol 3-rhamnoside-7-(4'-acetylphenoxy)-	172.6513	460.2898712	418.9682732
321.23399		172.609716	0	0
452.13776		172.1211041	237.1765198	1045.377459
511.12355		171.932922	0	0
517.87842		171.2646381	0	0
558.22895		170.5636083	96.57897339	0
380.07592		170.4676598	1035.454773	1007.418446
307.04281		170.207734	70.19481201	580.1787339
540.2277		169.596783	49.10601807	0
212.85126		169.4746275	55.25095825	191.9131721
289.15877		169.0779958	582.3992371	467.8787167
394.07554		168.5469267	3401.588635	577.7500402
488.14998		168.509776	46.87055359	0
357.11216		167.8216766	59.73375854	0
551.1452		167.6983714	43.02451172	120.1751149
431.11783		167.3683191	111.7525146	119.8024586
377.10616		167.1109354	89.4835907	0
475.23334		166.8909247	0	48.0565918
622.23954		166.2332176	0	0
524.20707		165.8346096	0	0
472.19416		165.6370288	940.691452	184.1870519
385.12411	Bianthrone	165.5112951	54.72814941	0
567.20742		165.306961	233.0346069	92.17433364
424.17995		164.9991991	28.16220703	0
374.0803		164.6433842	44.23185425	0
414.14896		164.5762855	211.9677551	98.39415211
306.1012		164.5062159	333.6754456	0
255.13036		163.9119182	360.16474	171.6836167
487.18797		163.6820643	0	0
653.24927		163.3316076	0	0
345.16458		163.2723731	290.2891174	0
306.069		163.2667824	144.0307983	68.86780216
406.18264	Nebivolol	163.046441	4834.700751	0
669.20369		162.7016679	0	0
579.12169		162.1340577	0	0
311.08146		162.0033482	44.83935852	0
277.11841		161.3885582	858.2376434	794.6132985
419.12024		161.3591167	96.00536194	0
602.18451		161.0367012	45.00111694	0
582.20851	NPA009090	160.6651837	376.4341461	0
665.22654		160.1585131	65.54539032	193.6895106
340.0414	NPA001804	159.9915881	349.4054901	157.2037511
457.22918		159.0169374	67.02678223	0
414.20165	NPA030980	159.0050843	164.4010376	378.3915326
257.15921		158.4722739	151.9103943	185.746605
440.17658		157.6573971	54.49321899	0
360.12462	(5E)-4-Methyl-5-[[[(phenylsulfonyl)oxy]imino]-1,1'-bi-2-naphthyl]-2-ylidene-2-methyl-1,3-dioxane	157.6302703	0	0
420.12645		157.2370618	54.10759277	0
412.73552		157.077443	0	0
607.78558		156.5256335	0	402.596628
332.76905		156.4203766	295.2260925	808.127091
571.1772		155.9726356	437.1564514	1371.713161
368.95993		155.7910001	130.297995	0
447.08162		152.4737155	1062.595331	0
474.97934		152.3201885	214.9722534	161.4543141
448.1226		152.2017506	86.41452026	0
399.12988	Omarigliptin	152.0861803	121.763446	0
630.28748		150.7460317	919.4323608	0
637.06853		150.0267134	0	0

514.14647		149.9622189	87.38765259	0
512.14972		149.6794705	1305.106512	0
643.22192		149.5883712	0	0
394.09351		148.9398355	89.57522278	0
413.04627		148.1923156	0	0
576.24441		148.1208406	0	43.26290499
337.04474		147.526114	185.1189484	1210.820519
605.16984		147.5151186	0	0
516.15302		147.4935103	866.9911072	90.98025046
459.17078		145.9418506	0	0
527.18765		145.6394469	0	0
507.04111		145.2221912	0	141.5545381
395.16625		144.5734489	0	78.71963465
361.09655		144.5391142	39.17409363	0
403.21852		144.1888331	73.2054657	0
338.11999		143.4763403	133.039859	1371.964982
323.15268		143.4337178	377.0669434	462.6300781
375.1072	3-O-Methylrosmarinic acid	143.3601397	2206.32139	1220.979739
310.17326		143.3317264	1418.201416	303.0985869
294.17904		142.7047268	178.5054138	0
230.18645	Tert-Butyl 4-(2-aminoethyl)-1-piperazinecarboxylate	142.2922402	0	0
571.189		142.2382296	0	233.7529871
550.16317		142.1673435	234.0197784	618.2594612
304.12714		141.4044726	113.7533203	0
400.15652		141.3721478	0	0
443.10643		141.0622933	0	0
311.05867		140.718471	0	0
435.16906		139.8536396	0	0
299.15256		139.3930948	0	0
389.15484		139.2726004	68.14430542	61.23027344
267.89278		138.5836459	505.4363251	2527.711776
427.12444	NPA003031	137.8529679	0	0
227.21157		137.1662688	0	3635.014987
524.82251		137.0314722	100.3396118	630.1399701
438.12234		136.7619719	1432.446838	211.5389017
215.06171		136.596411	63.11974792	36.1919807
356.05032		136.5794374	0	0
299.16747		135.5500475	0	221.4952665
574.87914		135.5144573	114.4034943	1210.704475
583.22782		135.3585173	0	0
558.09414		134.5535043	313.7735291	0
316.13216	NPA025151	134.5461258	628.7791229	437.9878676
434.11652		134.4224227	64.74352417	0
365.15382	NPA011261	134.1167638	7197.551849	1075.490447
400.96769		133.8810454	0	0
316.15999		133.5204458	0	0
350.86268		132.6139065	206.7860657	78.72720014
178.08525		132.3342737	0	0
479.15649	4'-O-methyl-(-)-epicatechin-5-O-beta-glucuronide	132.3203538	0	0
390.11894		130.5337405	63.11531982	318.2210248
470.17227		129.8971871	634.6490417	326.3235179
611.23807		129.2504444	0	0
277.13203		129.0372851	23.15917053	132.8436811
471.04545		128.8854787	0	0
285.28846		128.8587756	403.3776672	0
418.1601		128.5708499	42.81498718	0
354.17798		128.5003927	848.5332092	329.0252528
553.25056		128.0090164	1311.998624	158.5808019
388.03983		127.155878	111.9963776	169.8500632
484.89098		126.8601242	41.96892395	851.4953355
540.01519		126.7303189	3132.293484	165.3272633
307.06475		126.7204189	0	58.58890165
370.84703		126.2948289	143.8216965	106.9454733
558.29208		125.9772239	195.6157135	0
283.99882		125.77336	119.4437744	1267.488683
421.23808		125.6394676	0	0
531.23226		125.333478	0	0
340.9757		124.8685671	38.04403687	0
308.13313		124.7138465	27.56947632	0
495.19425		124.6239356	0	100.7752642
282.1274		124.5613426	662.6930954	0
464.17113		124.4317853	2031.750586	0
391.12359	NPA019388	123.8710111	60.12504883	0
631.86488		123.6240338	0	0
455.15473		123.3727059	67.36705322	76.21575712
319.01749		123.1772332	1427.054803	0
582.25296		122.6982474	0	0
531.13953		122.5875289	0	0
374.15567		121.8199301	111.5809387	77.63597771
386.16835		121.5611049	0	0
589.18185		120.8546214	0	0
450.00302		120.4906477	38.18207092	422.7571749
295.06324		119.9815538	121.8472656	77.4327608
481.09629		119.8567812	0	0
383.96186		119.6932974	40.1131897	298.2456974
398.10713		119.5276228	64.79422607	0
542.21201		119.4873925	0	0
490.10437		119.4560805	92.43232727	0
479.9353		118.5978009	0	0
531.19886		117.5470197	38.40906982	0
413.07159		117.2661314	165.5867981	0
329.16655		117.1418651	496.159256	102.231813
388.08167		117.0964678	0	0
343.04401		116.4685123	0	0
322.16963		116.0065828	0	0
382.1357		115.8031477	466.3062042	0
488.10793		115.3373739	0	0
567.23568		115.245205	0	130.7575483
374.1332		114.8352968	66.8397644	254.2411305
304.14854		114.4922702	469.0724854	131.2668428
354.12494		114.4766348	0	0
607.17208	NPA021628	114.1604869	77.41235352	717.4345789
502.98507		113.8225756	0	90.12224839
341.06535	LMPK12111244	113.6421131	391.1628662	599.7736443
437.88652		113.5394552	186.8735138	2031.991122
551.13012		113.4108383	74.08530273	96.24693819

266.10942		113.1064815	81.25146179	40.98552964
502.93041		112.9905237	56.10758057	0
414.1281		112.5581287	58.2062439	0
491.09182	Calcium Gluceptate	112.5030279	0	213.8425781
373.13716	(12Z,15S,18S)-15-hydroxy-18-bromo-12,16,17-octadecatrienoic acid	112.3772218	220.2859741	685.1410386
228.01917		112.0303406	0	0
518.16726		111.8417039	198.971756	63.68624196
456.11072		111.6619337	41.7480896	83.02061696
333.0485		111.4029121	0	125.4975299
386.17404		111.3088004	0	0
457.07715		111.1060681	208.2480164	794.3069795
319.15932		111.0708085	247.3064575	0
298.13168		110.8631521	85.20069275	204.0601218
398.04363		110.8096788	0	0
501.19569	NPA000035	110.6381345	0	94.44173369
335.11382		110.6146763	0	40.17123449
379.08793		110.4881262	649.3470764	0
571.1416		110.4862041	0	0
274.15563	N-Acetyl desmethyl frovatriptan	110.3030444	105.9447754	107.990154
501.92289		110.2792452	0	0
427.20296		109.6195953	51.96009521	0
491.11959		108.6318928	55.69702759	0
546.21824		108.5614356	38.8256958	0
344.09812		108.5397755	47.50032043	0
363.0324		108.1903418	79.28026733	810.2690142
470.09526		108.1208974	0	0
487.14752		107.6882544	60.94900513	0
291.97245		107.6753162	1539.4362	0
467.18378		107.635334	59.8631958	0
568.18855		107.5708085	0	0
260.19548		107.5161159	1594.083707	0
426.04208		107.4038938	190.7534546	137.9437155
558.88634		107.2143684	132.3840149	246.8504021
386.15262		107.0471333	0	0
508.2117		106.9680266	168.4314209	71.36978975
426.12355		106.9133598	37.96286011	0
324.97855		106.7647001	116.3425385	77.9450023
374.21288		106.2617808	0	0
313.16247		105.8448661	572.4963806	0
471.12408	NPA031759	105.6709553	528.6481262	250.8815832
340.14283		105.5552765	128.0021271	0
465.00507		105.3163959	0	78.26970933
236.10363		104.8942832	16.51370392	40.78837316
386.13399		104.3881345	0	0
506.16099		104.1169498	648.8508636	378.4377413
349.1455		104.0321387	0	0
500.17335		103.9205109	364.9877472	0
429.20215		103.896226	0	0
288.18137		103.3394511	112.3419495	0
623.26116		102.8689236	0	78.58802275
546.16432		102.4154989	0	0
421.3382		102.3315352	0	0
332.13023		102.3142361	0	0
453.11927		102.2047991	61.83721924	0
360.02946		102.141121	130.628952	0
338.08453		101.776672	58.28811646	0
382.8942		101.6460658	93.0199585	781.0753791
333.03182		101.3620102	41.05906677	80.64288833
505.97457		101.1657469	53.07168579	96.50498621
576.12183		100.9253782	33.85060425	0
365.09145		100.7707403	444.516568	0
457.16934		100.5647735	0	0
524.23828		100.4012587	0	0
351.07666		100.3429956	261.5780273	0
399.07848		100.2525008	0	0
362.09348		100.0455833	243.0348083	157.0745462
576.15056		99.69164393	0	0
510.15521		99.60629547	0	0
621.22236		99.57730861	233.4646179	211.6392693
353.06858		99.54195602	50.10331726	0
420.93058		99.51102637	0	0
485.18652		99.48217386	0	0
341.17922	NPA018655	99.291677	761.2957397	118.5491153
555.16641	NPA014439	99.24302455	237.155835	0
455.1859		99.16901248	0	0
156.88474		99.13785291	614.8156769	624.9545267
323.01364		98.99614542	174.6256744	534.8659697
492.27957		98.68507151	0	0
409.06576		97.90165137	0	0
294.02367	6-Bromo-4-(4-morpholinyl)quinazoline	97.28663401	1182.434244	593.9876494
492.11896		96.99959697	0	0
476.14297		96.58735326	0	0
458.12605		96.52674438	0	90.34854665
441.17344		96.33266162	0	0
296.06314		96.31165003	940.8339874	0
558.21763		95.90444155	39.67817078	0
313.14524		95.82498347	0	0
443.13979		95.55444982	0	0
422.17437		95.55164931	142.5204163	247.302631
361.18113		95.45474744	79.16903076	0
503.09523		95.25427827	55.36105957	0
401.11429		95.24143312	30.46236267	0
294.16135		94.92121362	0	105.984915
587.24646	(2.alpha.,5.beta.,10.beta.,13.alpha.)-4,10-Bis(acetyloxy)-12,13,14,15-tetrahydro-1H-pyrido[4,3-b]indole	94.84860698	262.7903473	0
623.22244	NPA005326	94.82445643	53.72426758	0
469.07132		94.62787285	0	0
248.99578		94.48549882	29.36051941	295.7913201
385.24338		94.43729332	0	0
343.96009		94.37358941	0	490.1722139
458.15204		94.35168651	0	0
404.08243		94.08704324	357.244162	201.6131491
424.19906		93.97421668	30.14245605	0
368.11603		93.73190518	0	0
584.18186		93.70152323	0	0
465.16157		93.59218957	0	0
331.05401		93.52043031	200.1810364	0

467.1621		93.28039228	34.44322205	214.4350069
620.21623		93.2234623	0	0
355.12047	3-(2-Chlorophenyl)-5-methyl-N-[4-(propan-2-yl)phenyl]-2-methyl-2H-benzofuran-4-carboxamide	93.19940476	0	0
528.6594		93.10364997	0	0
303.16219		92.92144097	72.35606689	0
434.26568	9,12-Hexadecadienoylcarnitine	92.74050306	0	0
404.91413		92.71500909	433.8401367	0
416.12211	NPA027310	92.68957713	352.8003662	158.3798483
375.14014		92.67329076	0	0
613.16428		92.58091518	0	0
604.25607		92.1833354	0	0
568.11913		92.15035962	0	64.08357077
594.27312		91.93567088	35.04327393	0
444.09617		91.57445643	0	107.9470129
324.13732		91.42632895	93.91018372	186.3553826
464.14982		90.94620122	0	0
509.13139		90.6953745	69.3088623	0
487.09004	Demeclocycline	90.67925347	131.4215271	0
409.15936		90.60384631	1760.882416	1688.295313
355.10945		90.59815228	0	0
589.24595		90.30130828	955.0816925	1087.442073
411.18284		89.80942047	0	0
339.156	Nicotine glucuronide	89.4329	40.67467651	54.23412
352.16838		89.3374566	241.4519104	0
506.03519		89.27488426	133.2038116	87.81561926
444.1106		89.22599413	0	0
387.13274		88.81670594	83.14667664	0
549.31447		88.81419478	0	0
440.16923		88.80317874	384.3372711	97.42678079
455.15145		88.14945023	0	0
512.16201		88.13951926	83.31763916	0
489.19655		88.09673652	0	0
483.01962		87.96339699	53.26934204	394.1040154
570.18018		87.93596023	0	287.3832491
506.77404		87.77333933	81.2250824	0
421.17482		87.71399636	169.109314	0
466.14936		87.69846437	108.2868896	0
526.07566		87.5766369	0	0
293.06333		87.39085235	0	0
370.74654		87.35471437	0	0
439.17881		87.25746114	0	0
369.38319		87.21710689	0	0
541.1212		86.77094701	0	0
625.87742		86.57535032	201.2156464	0
338.15847	NPA017495	86.56428261	175.5506378	0
497.16198		86.43077774	0	0
391.20663	Tri-Boc-hydrazinoacetic acid	86.40915902	0	0
425.15284	Eprosartan	86.30666646	0	0
416.27996	Bimatoprost	85.96634735	0	0
360.12042		85.73767671	0	0
404.12487		85.38590236	287.1310364	87.63232996
418.78045		85.3806837	0	0
429.17156	1-O-((2E,4E)-9-Carboxy-8-hydroxy-2,7-dimethylnona-2,4-dien-1-yl)-N,N-dimethylmethanamine	85.16098814	381.6726074	0
549.19289		85.13411458	51.0355908	0
415.12741		84.84339348	0	0
225.07926		84.82909123	66.88956909	343.665671
403.10634	NPA013326	84.72670718	82.21968994	0
517.05014		84.72331763	0	0
635.18156		84.66225405	39.95664978	0
612.25667		84.64986876	63.05452271	0
542.22503		84.62027736	58.5550415	0
344.14474		84.59052579	0	0
408.2223	Asn-Phe-Lys	84.53614315	0	0
399.17934	LMPK12020218	84.50349806	190.7640472	0
294.13476		84.45506262	0	0
346.16975		84.4072989	183.7024475	91.74829389
304.13791		84.38648107	128.6955566	0
568.13069		84.15981006	164.2915131	0
489.20752		84.12880808	0	0
622.24961		83.94895007	334.9635864	63.34601333
371.11371	Lupinisoiflavone D	83.94551401	0	0
568.27537		83.71494709	0	298.1909524
375.12088		83.7135985	133.5621826	0
424.0911		83.65522177	38.69850464	0
488.09397		83.61937314	47.4620636	87.5043256
380.06117		83.44042452	1831.094336	179.9392119
355.1566		83.42304274	38.44817505	62.85861673
400.13417		83.39439691	95.81819458	0
385.18744		83.37088707	0	0
339.1271		83.36810723	0	0
372.16776		83.22175719	0	363.6456342
451.21614		83.2182178	662.7232544	0
395.05592		83.17554357	0	0
605.26441		83.15622417	0	0
638.21559		83.15237992	216.3259705	0
505.17614	Panose	83.11903212	69.34613037	106.1441062
471.1212		82.78843729	0	0
462.04413		82.61964182	80.70836487	0
306.15058		82.32660074	156.1022064	668.979676
297.14889		81.81582238	0	0
449.12782	4-Hydroxy-5-(3',4',5'-trihydroxyphenyl)-valeric acid-D	81.73240637	208.4759277	0
475.20343		81.69071904	0	0
549.10409	NPA006115	81.61368428	48.61425781	0
415.10891		81.58202092	0	0
271.02297	6-Bromo-4-fluoro-1-isopropyl-2-methyl-1H-benzo[D]	81.46234809	20.6874115	81.76421186
417.14047		80.79752087	0	77.56813534
428.1244		80.75791584	0	0
517.11761		80.75081122	120.3077393	283.1340993
343.246		80.65152478	58.18156433	105.5866958
489.14305		80.47541026	294.6662628	103.4854779
426.22731		79.88767981	0	0
354.77368		79.78233507	0	0
598.94334		79.76455026	0	246.1481503
532.18017	NPA019546	79.75658275	0	0
614.85865		79.65648251	26.19681091	0
303.17518		79.57296834	0	0

384.96055		79.5687159	99.96651306	69.98615579
353.08958		79.32351087	135.5984711	0
552.20036		79.31888641	0	0
638.18343		79.23794023	0	0
386.11506		79.2308046	71.02006226	107.9071576
605.07445		79.21591332	0	0
344.15565		79.20373987	0	77.05754251
563.04517		78.98924231	0	0
397.03562		78.76905589	184.3556213	0
443.11076	NPA013414	78.58573599	81.52835388	0
326.15694		78.42674748	47.05292664	0
663.242		78.23620928	133.5947876	0
366.17572		78.09205522	0	0
329.00021		77.99296772	598.9627899	0
390.10766		77.77260561	149.4264191	0
424.09745		77.50603505	276.6973389	0
484.8813		77.50362723	137.6199524	0
346.04723		77.45070685	44.2794281	177.5184513
646.25567		77.36346726	0	0
340.19777		77.34255642	0	0
427.17921		77.20562583	0	0
333.06097		76.78403501	46.98787231	0
352.05096		76.64875785	34.68912354	0
352.10726		75.67956349	0	0
549.30207		75.47119399	0	0
340.14895		75.45457693	101.8241089	120.0446806
445.1373		75.37625041	70.03838806	0
400.1023		75.20321284	0	0
354.17277		75.04249339	0	0
558.14407		75.01474144	101.7964233	115.7923598
354.15804		75.00059937	160.1059448	298.6248162
473.07186		74.85918382	156.9589844	0
438.14158		74.80251736	0	51.13859145
548.09162		74.53253658	40.19610291	0
310.06716		74.45251013	0	0
598.19587		74.41159268	0	0
310.00617		74.36238736	0	0
497.03474		74.20191592	0	0
605.10359		74.19495598	50.61987305	0
386.06214		74.15216291	0	0
423.12677	Catechin 7-O-beta-D-xyloside	74.1229642	0	0
571.18897		73.92606027	0	0
328.99499		73.60198619	56.51171265	459.4331112
370.03761		73.57017816	0	78.9615579
642.18936		73.46265811	42.13927002	0
383.97849		73.42434999	0	0
337.06574		73.19886739	100.4069794	270.6999885
324.95392		73.13100405	0	0
525.16569		72.91408833	0	0
392.01412		72.69843853	190.8060333	0
393.14629		72.64490844	0	0
431.14562	6-iodo-5-hydroxy-eicosa-8Z,11Z,14Z-trienoic acid ga	72.59625083	0	0
361.00455		72.51481895	125.6493286	0
375.15428		72.29951017	0	0
272.15481		72.2582982	350.9613861	93.84054458
417.12626		72.20932023	75.47414246	205.4469899
324.10639		72.12119192	40.21731262	0
399.15718		71.97890832	0	0
568.17474		71.96808346	100.0292389	0
522.01877		71.93991815	0	0
386.08581		71.93336124	419.1158936	135.2335076
372.34376		71.74809854	400.9866821	57.11978975
598.14241		71.74178447	0	0
348.15361		71.71574797	0	0
493.14071		71.6755849	0	0
466.1852		71.58915654	0	0
563.07719		71.5739139	0	0
489.07004		71.34662802	84.2088623	0
303.15148		71.32805783	26.00609436	0
440.1647		71.15290695	42.69327393	0
472.16313		71.12704096	130.0324585	288.7275046
358.14387	NPA005889	71.03770875	65.76219482	76.06009881
553.21387		70.98416832	269.4840881	93.07290326
492.15041		70.98054625	0	0
481.21608		70.84859148	0	636.7864717
449.90629		70.76981027	39.77637024	106.0762868
568.2595		70.76215278	0	0
309.1162		70.76186343	93.5074707	165.9292739
328.11236		70.64603485	48.79128723	198.2163775
437.1071		70.6385272	0	0
395.06681		70.56470114	0	0
470.16304		70.44830936	0	0
460.24807		70.4072369	0	0
350.09811		70.23859644	33.56288757	0
365.0947		70.12338273	39.95281067	0
495.23318		69.8775525	1544.885706	0
311.10039		69.46105634	0	0
435.13762		69.32385189	91.26329956	0
581.18828		69.16235222	34.47159424	0
497.16218		69.11450583	829.4680603	0
487.16154		69.10376881	169.4894348	0
525.02552		69.04829592	0	1464.320571
362.9148		68.91343213	22.1088562	51.05722656
531.20405		68.89424707	0	0
568.82133		68.63895089	0	0
675.21602		68.57055018	272.7766296	0
229.15083		68.52881118	0	0
462.14498	Azlocillin	68.08081701	223.9544678	0
366.13768		67.85388765	0	0
584.93595		67.66451203	0	61.34120519
293.08377		67.65262793	50.81229553	0
495.14013		67.53771908	0	0
548.21538		67.48099062	0	0
365.11204		67.4438244	0	0
355.19192		67.32507647	0	0
389.21643		67.25746631	0	0

339.02656		66.99304522	0	95.56572266
522.18765		66.8494337	0	0
647.19592		66.80737951	0	0
541.04126		66.72907366	0	405.1025391
206.11694		66.70556382	0	0
638.15823		66.69784433	114.3513	0
339.02342		66.59960938	0	0
346.14096		66.56966146	0	0
552.175		66.24847574	35.42506714	0
461.93413		66.13656374	0	0
527.20366		66.05321491	0	0
354.20289		65.63077767	109.7677795	0
299.05057		65.55752935	64.19232178	457.2345071
487.27461		65.37455047	0	75.78659237
554.19571		65.31118758	0	0
587.12621		65.30974082	0	0
401.13728	Isouavretin	65.11509487	0	0
363.19946		65.0733662	433.3570313	148.8912109
267.24203		65.06997665	0	1247.564407
387.16205		64.92346127	42.85954285	0
557.05778		64.80467717	0	0
408.11208		64.73720651	0	0
622.22686	NPA032052	64.72496073	0	0
315.05085		64.57101521	377.4007538	379.1623679
366.96185		64.4688275	142.2199097	301.5398955
518.22639		64.36681031	0	0
421.25284		64.36063575	0	0
435.15382		64.28216456	44.18320618	0
601.12825		64.25537368	0	0
482.07193		64.21776827	69.96044922	0
603.2347		64.1990224	0	0
395.21716		63.9333509	0	0
577.15707		63.72564277	0	0
272.20737		63.69138558	207.4456024	1142.879601
630.21566		63.60363447	0	0
607.19439		63.57664724	0	0
422.14509		63.42718151	0	0
553.20331		63.31662326	51.29356689	71.94020565
503.94565		63.12642092	0	97.7404182
519.19044		63.08557581	66.37254028	0
309.0598	NPA006124	62.95607536	896.4096069	763.8665499
544.23269		62.88689959	36.15154419	0
663.20891		62.86350343	0	0
423.91882		62.76169292	81.71782227	474.3298598
316.10786		62.7176701	0	2980.035972
597.24275		62.61784371	156.573938	286.6088695
348.96809		62.54967035	0	162.4230354
380.17514		62.5327381	137.1553101	0
313.01539		62.50847904	0	0
433.13627		62.47840195	0	0
449.87057		62.22497106	134.7055328	273.9262178
442.24093		62.18846106	0	0
513.19985		62.02639819	0	0
411.20067		61.91225405	45.21860046	0
360.03225		61.73820375	160.3735168	1164.341521
535.16688		61.11263538	0	0
326.11165		61.04247272	67.5065033	0
472.12485		60.90644118	156.9413696	78.51141429
346.04568		60.85397032	0	0
625.274		60.78019077	0	0
579.14979		60.72915117	0	0
412.32001	Cyclopamine	60.51384239	0	0
345.98732		60.40473607	260.8650238	140.302045
429.21533		60.34609065	0	0
455.1364		60.30408813	58.69466553	0
395.1918		60.15881283	54.45789795	0
406.04832		59.7828156	536.5689789	0
434.15341		59.59424086	280.70513	53.68500115
290.06485	NPA003407	59.56078972	90.6828186	134.1214729
556.20296		59.50802435	0	0
615.26048		59.4359344	0	0
457.05234		59.41629981	0	0
558.24673		59.3468037	0	0
466.88979		59.21540695	42.13108521	606.745278
562.16373		59.16526641	0	0
279.01343		59.06842138	901.3550415	738.2312787
377.16082		58.74144862	0	0
557.18196	NPA004783	58.61748202	1152.464996	0
419.94555		58.60532924	0	0
421.21065		58.583323	0	0
398.11989		58.52493076	111.9043213	0
303.02369		58.51504113	343.1413544	474.0012293
229.93718	5-Bromo-6-chloro-1H-indole	58.30075025	0	799.7889936
546.21806		58.19512132	149.907193	0
559.13888		58.169214	0	0
527.1527		58.14288298	412.0518829	0
445.16894		58.01043733	0	0
502.97733		57.99436281	113.4352081	359.0786535
484.77284		57.96489025	0	0
201.06622	NPA015214	57.92152364	19.37333069	56.73039407
412.19501		57.91871796	129.6240845	0
337.06062	2-(Tert-Butyldimethylsilyloxy)-6-bromonaphthalene	57.78584346	2191.091208	2180.267796
339.05388		57.57145441	52.61401367	179.3936811
265.13898		57.34778026	18.78015594	0
437.30017		57.20936673	0	0
557.10185		57.18643043	0	0
449.09423		57.0332858	468.0882446	105.3561466
236.09079	3-Ketocarbofuran	57.02870784	55.95889587	143.6544979
329.11285		56.99425947	0	0
666.20625		56.69211413	0	41.26601275
596.81073		56.45720176	419.002713	1328.702568
313.17332		56.45292865	694.4375366	0
493.17776		56.40720073	104.0456665	0
401.2847		56.27321015	0	0
602.13148		55.9640687	0	0
401.12254		55.80206267	0	0

457.26785		55.69333354	0	0
570.20228		55.50435578	0	0
318.02845		55.38117456	403.834021	61.86561351
343.18655		55.33551381	94.95628662	100.9184168
531.18868		55.14867518	0	0
449.36855		55.03008743	0	0
343.06948		54.69929625	0	0
602.1527		54.5786572	34.69431458	0
417.04569		54.4129826	0	0
556.23492		54.21808346	42.22521362	0
495.12632	NPA017913	54.10706019	0	0
501.10467		54.10328311	77.42336426	0
273.08003	Phenylthiohydantoin L-histidine	54.10289042	0	0
439.14339		54.0869864	134.702594	0
412.14946		54.00393208	0	0
308.05095		53.89659805	201.6218872	119.4013787
217.06355	Bisnorbiotin	53.84754258	50.81266174	240.717446
467.19748		53.48843109	1230.85979	0
254.14899		53.39214926	184.8457153	204.7511834
262.12662		53.34700004	0	0
423.13825		53.16211971	0	0
234.10327	9-Methyl-5H-indolo[2,3-b]quinoxaline	53.04376447	0	106.474595
226.02		53.02689422	0	0
310.15539		52.89656705	0	0
251.1481		52.89643787	24.61543427	0
399.09697		52.51337736	0	0
621.16853		52.49190332	0	0
539.04033		52.3588273	0	540.3728803
525.19505		51.99982432	0	0
325.09633		51.82785115	0	0
558.9346		51.66921916	266.6944214	207.3353516
637.13003		51.62930928	0	0
485.2991		51.143193	174.3260071	0
524.81014		51.02821181	0	0
388.94061		50.87788318	0	0
430.05775		50.75916109	0	0
420.19998		50.6000124	38.14927368	219.080239
273.06482		50.56101707	0	256.1589729
256.1317		50.17028356	0	0
536.87906		50.13346871	0	0
576.87648		50.00016018	0	0
406.12776		49.91952402	75.91818237	731.9086282
312.01819	4'-Hydroxydiclofenac	49.69593254	0	0
242.1967		49.59583747	1312.20043	0
372.13133		49.36867043	675.7574921	264.7583352
548.90379		49.18453414	29.29563599	175.9747587
444.8954		49.11014488	219.4791107	289.7906307
571.20075		49.02025463	0	0
628.19547		48.92117746	101.3125153	0
204.0932		48.8770513	103.3726044	170.1003332
647.14727		48.69464079	0	0
302.05088		48.63106605	0	0
190.91113		48.62091291	304.2989044	157.478079
560.19981		48.50719763	40.76305237	0
466.78594		48.38837736	31.07016907	0
488.17771		48.38141224	0	54.75648552
339.03948		48.37378576	75.63138428	0
224.10519		48.07641472	0	0
410.12951		48.06916026	0	0
609.77653		47.91320478	230.1517578	598.5147059
511.11441		47.07288566	0	0
288.8976		46.87400794	168.4636917	0
232.94235		46.47535859	0	0
468.89023		46.45133722	0	40.85467601
615.24756		45.98641596	0	0
647.87377		45.90843564	0	0
324.07976		45.65575914	75.39326172	0
569.07262		45.61783854	0	150.6285501
309.2242		45.42219019	283.0072327	0
389.23047		45.34492808	0	0
261.92711		44.72925451	29.92185669	5466.723101
490.80293		44.55258453	30.66672974	0
349.09813	Naphtho[1',2',3':4,5]quinolino[2,1-b]quinazoline-5,1	44.51721127	0	0
566.18406		44.47053778	0	0
615.23709	NPA030977	44.08973008	38.50435791	0
265.19002	NPA015427	43.93950479	700.8246216	0
246.14393	AsparaginyL-Leucine	43.87437996	113.8912354	0
290.92282		43.58970424	32.30914917	163.9712948
190.08058		43.52828931	0	650.4856101
548.24029		43.35203786	0	0
350.11344		43.23557891	0	0
613.14501		42.53208705	59.57792969	0
434.00811		42.48629196	0	0
283.18587		42.38523841	98.59547729	0
554.20982		42.38013083	0	0
647.13042		42.13032201	0	0
627.19821		42.0258479	0	0
316.91903		40.74415096	0	0
250.12054		40.60141007	38.06379395	0
437.87513		40.36250878	0	0
372.9472		40.17392888	130.9888245	40.27170267
235.13157		39.98593543	173.0899445	0
245.09035	5-Trifluoromethoxytryptamine	39.63973886	45.15803528	0
167.07293		39.38274791	0	89.3804946
284.09614	NPA030469	39.11410022	1247.573053	32.02305262
340.11941		38.79330977	0	168.045278
324.19404		38.55017154	0	63.83721852
380.18011		37.74961764	0	211.1667682
246.13857		36.92522063	0	0
294.06546		35.99262411	0	306.4320427
463.99722		35.5997773	0	0
267.12331	Nevirapine	35.16017433	36.95499878	47.805733
555.20638		35.01953125	172.7036194	0
220.07853		34.805925	0	222.1683766
359.24778		34.71417721	0	0
418.03559		34.69631231	0	0

224.10166		34.58885944	0	0
274.07534		34.21952505	131.5225555	0
212.85004		34.01943308	624.1046097	284.7061236
255.02795		33.45900504	0	149.360656
197.05953		32.30845424	76.17428741	85.37239775
227.03274		32.26034175	59.79996796	55.93645738
374.01029		31.19135458	64.58076782	0
263.06899		31.11738901	0	0
732.25434		27.87356099	0	0
301.04135		25.88519707	0	0
747.19097		0	121.8138672	0
705.17889		0	719.045105	0
697.20708		0	0	0
687.16842		0	69.11868286	66.37880285
685.16763		0	145.7688477	0
682.10691		0	35.02703857	0
681.25279		0	0	0
675.20357		0	91.09020996	0
675.19037		0	54.1611145	0
672.28053		0	37.01416321	0
671.19611	NPA001588	0	24.45254059	0
669.15835		0	22.57848053	0
666.19399		0	48.4516449	0
666.16476		0	50.25734558	0
666.14133		0	37.84891663	0
663.85247		0	194.7683044	0
663.19159		0	57.71739502	76.96363166
662.25063		0	121.3068726	0
659.27436		0	0	0
659.262		0	0	0
658.11791		0	0	59.03806296
656.2284		0	135.8466553	0
656.21714		0	63.2159668	0
656.19337	LMPK12010373	0	33.34593201	0
655.29329		0	0	104.3142004
655.28167		0	0	104.2025735
655.27134		0	59.2993042	796.5447151
655.25886	Poly-(glycine)9	0	60.3264679	0
655.1999	Poly-(glycine)10	0	0	80.64352022
646.25095	Poly-(glycine)11	0	726.2293213	91.20913373
646.19479	NPA029627	0	126.5648468	0
644.2379		0	27.82350464	0
644.20524		0	91.68668518	102.4769072
644.17958		0	69.71298828	0
639.18416	NPA006218	0	0	95.72433938
638.25052		0	284.0291016	0
638.23584		0	365.9979553	426.0623506
638.17324		0	53.16064453	0
638.13917		0	0	0
637.10481		0	33.31499023	0
637.03075		0	39.27033997	0
635.16105		0	126.4406189	91.26530331
635.13976		0	71.5658783	0
634.18088		0	40.73030396	0
632.20598		0	58.0010376	0
632.16806		0	61.34663696	0
632.14181		0	32.15909424	0
630.25356		0	419.5978027	0
630.23152		0	215.0314453	0
629.8674		0	0	189.1598058
626.02803		0	33.21516113	0
625.86217		0	38.77987366	0
625.24206		0	43.67040405	148.7308594
625.19429		0	0	50.39027459
625.18055	Pentapropylene glycol	0	286.1794067	69.44236558
623.21825		0	0	87.1417222
622.2298		0	260.0062256	0
621.20435		0	41.35804749	0
620.27215		0	1427.386847	0
620.25427		0	30.5769165	0
620.2301		0	62.7260498	0
620.15405		0	52.76837769	0
619.21494		0	31.33762817	0
618.22221		0	183.1764343	0
618.22189		0	0	0
618.17427		0	55.14038696	0
618.15274		0	60.97406006	0
616.85867		0	36.06153259	0
616.18599		0	142.4024139	102.1084272
616.15186		0	33.17844543	0
614.88814		0	0	0
613.21697		0	0	0
613.18746		0	131.8129211	118.6810432
613.11083		0	43.84647827	0
612.26938		0	791.7350098	0
612.22775		0	243.7319824	0
612.00728		0	51.29081421	0
611.76776		0	261.629364	74.20246438
611.23407		0	0	71.67355239
611.17478		0	94.15255127	0
609.89256		0	32.20384216	0
607.82146		0	47.28475342	0
606.25985		0	0	109.3887063
605.26356		0	145.0344971	0
605.18784		0	0	102.7900161
605.09298		0	40.27039795	0
604.26555	NPA023822	0	40.5926178	0
604.22342		0	28.63796387	47.99570313
602.23331		0	0	0
601.27971		0	179.7122253	0
601.03722		0	0	214.9341596
600.17318		0	63.97580566	0
600.15751		0	22.5657196	0
600.13534		0	828.7309387	0
598.92278		0	171.4859833	62.11512523
598.91899		0	244.6604919	67.19986213

598.90656		0	0	175.9034812
598.89687		0	0	129.0808709
598.8691		0	0	110.1414177
597.27286		0	35.24146118	0
597.23124		0	0	58.38741958
597.21149		0	25.09688416	0
597.21097		0	0	0
596.80532		0	0	49.56031135
595.82011		0	24.70171051	0
594.76884		0	0	76.60695083
594.33186		0	110.7860748	0
594.19599		0	0	124.0183364
594.14071		0	31.73829651	0
594.12778		0	94.97236938	0
593.80045		0	27.67622986	86.1190602
592.24784		0	71.13952637	0
591.836		0	0	110.5470588
591.82142		0	109.5427856	257.6630687
591.7894		0	44.72306519	0
589.17339		0	231.6219604	0
588.23706		0	53.85747681	0
588.22302		0	49.49608765	0
588.21178		0	108.9504761	0
588.18487		0	46.94776306	0
588.10558		0	45.59611206	0
587.91056		0	62.32909851	111.6988339
587.89452		0	0	82.2888557
587.21628		0	72.87965698	0
587.20171		0	62.87988892	0
587.05233		0	40.30794373	0
586.91673		0	42.6996582	0
586.90661		0	211.7587372	486.289545
585.28316		0	424.0249451	0
585.11408		0	132.8758667	0
585.10067		0	27.77540588	0
585.06676		0	653.1725067	0
584.2475	NPA007480	0	105.1843384	0
584.21305		0	0	145.6659582
584.20743		0	36.94313965	0
584.16549		0	111.0149536	270.9648265
584.12742		0	459.8676086	539.7149357
584.12616		0	50.60716858	0
584.09805		0	0	94.80545726
583.26727	NPA010485	0	644.6068909	0
583.25342		0	129.1755249	0
582.96875		0	0	91.90118911
582.9492		0	39.26486511	0
582.23749		0	98.28684692	0
582.22015		0	47.78430786	0
581.23131		0	0	66.9596852
581.16761		0	44.67569885	0
580.86055		0	0	289.3317268
580.84323		0	196.8137207	280.2468865
580.82827		0	0	0
580.81153		0	28.03465271	109.3385685
578.22862		0	359.3230652	239.9252987
578.2114		0	0	83.40111443
578.19012		0	36.47173462	0
578.16917		0	43.19707642	0
578.00614		0	0	56.41199449
576.97181		0	101.2240295	0
576.22829		0	33.38987427	0
576.20429		0	37.09282532	0
576.10639		0	198.0567719	0
576.09824		0	37.89835815	0
574.86816		0	36.26325989	117.7236989
574.86134		0	47.24300537	0
574.84993		0	0	91.30897863
574.20975		0	29.46869202	0
574.19911		0	0	97.00303309
573.27056		0	64.38241577	0
573.25981		0	56.64344482	0
573.23339		0	76.01130371	64.17295496
573.21897		0	55.13302002	0
573.19342		0	54.05760498	0
573.17335		0	152.1196167	0
573.15788	NPA023540	0	0	0
573.15364		0	1299.897833	1767.712293
573.13144		0	52.11286621	179.2283433
573.07478		0	0	191.1441406
571.16346		0	25.97737427	0
570.19251		0	26.1994751	0
570.07521		0	18.79347076	0
569.16563	Viscutin 2	0	46.21000061	0
569.14971		0	154.0956787	0
569.09294		0	124.0090668	0
568.20048		0	0	57.2186983
568.14876		0	79.65980835	82.91295381
568.1474		0	58.10753174	0
568.13403		0	0	83.15140165
568.12351		0	58.7571167	0
567.25525		0	161.6801636	0
567.22156		0	31.26030579	174.9473001
567.21742		0	159.3054504	0
567.1135		0	76.76394653	0
567.02537		0	67.46724243	0
566.98482		0	686.6504761	203.9291533
564.96804		0	0	120.8606618
564.88614		0	0	84.75136719
564.23646		0	47.05409546	0
564.15258		0	57.1859436	0
563.21262	Caohuoside D	0	119.5052856	0
563.19986		0	1648.267044	0
563.18928	NPA001277	0	103.9717163	0
563.15637		0	0	184.8458812
563.1034		0	398.4837891	0

563.08578		0	0	276.1436983
562.7409		0	0	0
562.21289		0	43.88731689	0
562.18948		0	55.98580933	0
562.18809		0	1296.551575	0
562.17766		0	130.0630371	0
562.15189		0	46.97001038	0
562.15154		0	117.9603241	0
562.13649		0	50.77360229	59.91107537
562.12753		0	64.18222656	0
562.11537		0	33.17265625	0
561.22186		0	60.75779419	0
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561.00719		0	65.73613892	0
560.96876		0	495.6250427	454.2148438
560.93746		0	66.77502441	0
560.17515		0	0	51.99358915
560.17207		0	67.28098755	0
560.15568		0	213.438562	0
560.15238		0	942.94823	0
559.17344		0	0	0
558.95886		0	56.85776978	0
558.91482		0	0	99.95419347
558.8842		0	32.37997437	0
558.83549		0	40.03299561	0
558.23321	NPA028125	0	86.94310913	1358.843911
558.22067		0	0	249.2216912
558.18802		0	0	69.96780216
558.17474		0	30.07765198	0
558.07467		0	37.17174072	61.98194508
557.9747		0	36.01461792	0
557.16967		0	31.52201843	0
556.19982		0	41.86548462	0
556.12107		0	123.6625122	0
555.26387		0	236.615509	0
555.21385		0	0	123.5897863
555.13494		0	0	274.1929688
555.1339		0	45.037677	125.8000115
555.06755		0	0	93.76941636
554.1611		0	296.2753723	0
554.15505		0	98.48021545	55.92909007
554.09199		0	70.66488647	189.4861386
553.23775		0	97.64223633	0
553.22766		0	742.1138733	69.28273782
553.19053		0	48.7944458	0
553.05556		0	0	197.2191291
552.20109		0	53.13164063	0
552.18532		0	147.2149475	0
552.17413		0	74.05236206	0
550.18075		0	0	86.04543888
550.12441		0	36.97531433	0
549.15248	NPA000519	0	79.8664093	0
548.976		0	46.42052307	0
548.94893		0	0	70.52386834
548.17332		0	0	98.06019072
548.10532		0	101.2982025	0
547.19085		0	217.0435699	0
547.14769		0	59.64979248	0
547.1321	NPA003244	0	233.48479	0
547.03205		0	46.03734436	0
546.88371		0	0	60.24061351
546.71074		0	43.11726685	0
546.2439		0	0	106.9634651
546.12741		0	109.5921143	0
545.25036		0	34.89579468	0
545.17834		0	33.20037842	0
545.15843		0	42.29027405	0
545.13408		0	0	61.44518038
544.9926		0	24.80876617	0
544.16193		0	44.22369995	0
543.14956		0	63.81057739	0
543.08502		0	54.1388916	0
542.96476		0	104.4345581	0
542.88228		0	0	467.931497
542.18596		0	49.9086792	0
542.15943		0	36.51044312	0
541.90931		0	0	77.08447266
541.34381		0	0	0
541.25754		0	1524.791431	0
541.24158		0	715.2441528	79.10276884
541.22418		0	263.8395996	0
541.03995		0	0	0
540.86528		0	47.56289063	0
540.84351		0	296.3005127	0
540.75963		0	37.29333496	0
540.75592		0	0	145.1998506
540.20133		0	0	64.56747472
540.18801		0	153.449942	0
540.17683		0	54.24070435	0
540.16169		0	116.9212128	0
540.14915		0	523.5715698	0
540.08938		0	119.3752686	0
540.05706		0	0	0
540.03667		0	44.19198608	0
540.00367		0	0	0
539.99009		0	45.54785767	0
539.79974		0	0	49.81925551
539.20312	NPA002399	0	209.3208252	0
539.17683		0	0	0
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538.21226		0	170.6430878	0
538.20601	NPA024676	0	0	130.9062787
538.18931		0	62.82813721	0
538.1738		0	51.52460938	0
538.14211		0	172.0460968	76.01485524
537.27557		0	31.05119324	0

537.23851		0	86.65488281	0
536.18822		0	74.08172607	0
536.16914		0	0	0
535.89883		0	12.38167114	0
535.28274		0	0	215.9545381
535.23609		0	75.54667969	0
535.21032	NPA003169	0	0	610.9195083
535.16833		0	284.2683899	1143.166854
535.15143	NPA029773	0	5683.148819	6374.731112
535.13675		0	278.4743042	0
535.11385	NPA021632	0	863.0232483	0
535.09923		0	219.4513062	0
535.08882		0	0	0
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535.04473		0	0	161.128079
534.88403		0	0	69.73767808
534.14018		0	27.76010742	0
533.21988		0	0	95.85946691
533.18669		0	70.04893799	126.2231733
533.16465		0	50.0970459	0
533.10288		0	39.42872925	0
532.95905		0	0	0
532.91452		0	34.29265442	139.5979033
532.22933		0	324.5594849	0
532.21446		0	7088.463934	7861.022174
532.19827		0	1066.829828	0
532.18679		0	676.9953125	0
532.16086		0	40.86599121	0
532.13695		0	44.50140686	0
531.17636		0	49.06377563	0
531.16616		0	107.9855774	0
530.06492		0	0	106.8906824
530.04213		0	44.83353271	0
529.19046		0	29.12227173	0
529.1803		0	67.97980347	0
529.12159		0	43.11618347	0
528.2354	Rolitetraacycline	0	35.08561707	0
528.17848		0	24.88014374	0
528.11204		0	341.450647	0
528.10079		0	41.56385803	0
528.08654		0	35.53675232	0
527.12898		0	112.0270386	0
527.11671		0	86.40571289	0
527.11126		0	0	0
527.0703		0	29.82638245	0
527.02846		0	67.38467407	0
526.95192		0	571.1502502	0
526.19184	NPA013148	0	94.72221985	0
526.18181		0	40.22991333	0
526.14782		0	74.78324585	0
526.1253		0	135.0102539	0
525.28585	NPA031896	0	490.1538452	0
525.21925		0	75.17561035	0
525.14835		0	371.43172	0
525.14256	NPA014030	0	363.1965027	0
525.12909	NPA029780	0	1368.719458	1204.766343
525.11866		0	274.7248291	0
524.85239		0	0	57.67773438
524.784		0	539.419458	631.1244026
524.78326		0	0	91.70778378
524.24989		0	0	0
524.23207		0	0	89.2394244
524.2153	3-(N-Maleimidopropiony)biocytin	0	42.01592712	0
524.18762		0	37.10214539	0
524.15288		0	47.27152405	0
524.09949		0	61.437854	0
524.08728		0	54.24285889	0
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522.2005		0	264.1371155	0
522.14194		0	33.60108032	0
522.06311		0	59.94978638	0
522.05203		0	55.49002075	0
522.02977		0	132.8203186	0
522.01906		0	44.91083679	57.66085133
521.9828		0	68.71150208	75.45225184
521.93943		0	21.92329712	0
520.30374	NPA008008	0	0	55.30229779
519.19257		0	56.18843994	0
519.17688	punaglandin 3	0	2801.451102	0
519.14176		0	45.65628662	0
519.11926		0	59.28457642	0
519.10221		0	0	0
519.08293		0	0	59.65815717
519.07512		0	0	0
519.04608		0	49.14057922	0
519.03967		0	0	168.5133157
518.85048		0	38.08018188	0
518.83839		0	42.77590027	0
518.7934		0	43.03092651	0
518.29837		0	0	206.7971105
518.18243		0	51.10180664	0
518.07555		0	0	81.13262293
517.23496		0	1185.434753	0
517.22178		0	184.0495392	0
517.19733		0	71.26418457	0
517.17911		0	72.44365845	0
517.15514		0	387.1720215	0
517.14207	NPA006239	0	695.6641327	2117.682847
517.09763		0	279.7640564	0
516.21985		0	48.29728699	0
516.19749		0	80.40259399	0
516.19163		0	36.04263	0
516.10705		0	45.02402649	0
515.22323	NPA004676	0	0	0
515.19678		0	0	0
515.1865		0	0	0

515.17681		0	140.7167358	0
514.10236		0	106.0957214	0
513.16353		0	0	84.85728401
512.24652		0	33.98509216	0
512.08014		0	275.5126556	0
511.25487		0	136.2807678	0
511.24414		0	47.02027283	0
510.19295	NPA029355	0	0	254.9692325
510.15716		0	197.3968018	105.0344324
508.87273		0	34.26996155	0
508.85722		0	37.45380859	58.04482422
508.27152		0	0	0
508.19934		0	0	0
507.19296		0	260.1304626	96.98632813
507.18076		0	170.1051453	0
507.15169	Junipeenin B 7-O-glucoside	0	124.0154236	0
507.13427		0	74.28778076	0
507.11005		0	0	144.0018382
507.10865		0	76.33413086	0
506.36367	NPA000470	0	0	62.39116498
506.17271		0	60.66817627	131.7220186
506.09886		0	42.02241211	0
506.06338		0	154.6078705	0
506.01604		0	49.02754211	0
506.01475		0	0	151.698696
505.99847		0	50.6771637	0
505.95882		0	57.52397461	0
504.18362		0	31.30929871	0
504.16173		0	31.7847229	0
503.18156		0	55.09629517	0
503.15984		0	657.6512512	0
503.0792		0	0	218.5512638
503.03217		0	48.22146301	0
503.00592		0	128.6618774	0
502.99503		0	53.03604126	0
502.95071		0	121.8510559	139.5456916
502.94552		0	190.8755798	102.2612017
502.93396		0	127.8951538	0
502.91859		0	0	162.8949908
502.83976		0	0	0
502.22349		0	377.7307983	0
502.1917		0	922.7920654	0
502.16715		0	62.59364624	0
502.16355		0	306.8917023	371.2621668
501.18813		0	111.1668579	0
501.16546		0	260.354776	0
501.15245		0	87.19220276	0
501.13774	Epigallocatechin 5,3',5'-trimethyl ether 3-O-gallate	0	126.0438477	0
501.03305		0	37.99346924	0
500.8126		0	45.08168945	0
500.72555		0	36.65861511	0
500.272		0	28.63190002	0
500.20701		0	107.2244263	0
500.19411		0	40.62704163	0
500.18353		0	120.3105316	0
499.22816		0	0	576.6826201
499.22597		0	889.6100952	1674.154044
499.20347		0	0	144.7367762
499.19348		0	0	58.32414982
499.18144		0	109.9634644	0
499.15251		0	89.42738953	0
499.14959		0	49.27932434	1425.079825
499.1457	Verproside	0	0	60.22153033
499.10658		0	0	57.7362994
498.86219		0	28.68077698	0
498.0671		0	0	72.85256778
497.23211	NPA024415	0	5943.850031	631.0502298
497.18896		0	0	134.4349724
497.18686		0	177.9542694	0
497.17369		0	83.18746338	0
497.16598		0	0	0
497.16208		0	219.2064362	0
497.15047	NPA006640	0	0	56.66608456
497.14334		0	105.1199615	0
497.09455		0	211.507666	80.49863281
497.04927		0	124.103064	0
496.85515		0	26.47931213	0
496.25803		0	364.3283875	0
496.17454		0	0	124.0497702
496.16704	NPA006550	0	0	0
495.21341		0	50.49258423	0
495.15373		0	0	0
495.15354		0	125.3609192	0
495.13994		0	0	0
495.08287	NPA026978	0	0	41.18185604
494.19368		0	192.667334	0
494.16125		0	346.8415131	0
494.12769		0	0	99.07243796
494.11466		0	63.68755493	126.4294118
494.11399		0	66.10170288	0
493.15211	NPA007936	0	78.47244568	0
493.11175		0	102.2638184	0
492.19217		0	315.8367523	0
492.17284	NPA025691	0	78.3246582	0
492.08728		0	397.0140289	0
492.07109		0	53.40479126	0
491.19901		0	0	138.8231043
491.17271		0	0	0
491.15569	LMPK12050064	0	0	97.14894301
491.05675		0	38.70386353	0
490.83797		0	0	141.9869887
490.82504		0	0	225.0036994
490.81941		0	0	0
490.16641		0	183.571698	0
490.09145		0	51.09296265	0
490.05079		0	55.43565674	0

490.03066		0	47.57798767	0
490.0038		0	0	69.04943704
489.27431		0	24.19459381	0
489.14627		0	90.96303101	0
489.12582		0	52.44540405	0
489.10664		0	109.693689	0
489.05122		0	81.29553528	0
489.03981		0	42.71717224	0
488.76731		0	0	30.88983226
488.23446	NPA019750	0	3059.021338	0
488.15568		0	0	143.3197495
488.14016		0	91.32174683	0
488.10845		0	49.65542297	0
487.16371		0	181.8638123	0
487.14798		0	131.6438232	0
487.13177		0	132.1427002	0
487.11311		0	70.95268555	0
487.07919		0	78.11694946	0
487.07239		0	56.70189819	0
487.04873	NPA017500	0	46.75836792	0
487.02942		0	51.55161133	0
487.02347		0	0	65.31349954
486.92698		0	18.95783844	0
486.21029		0	0	63.96139706
485.17206		0	37.79048767	0
485.15843		0	101.4803253	99.86900276
485.1477		0	182.536322	0
484.18871		0	682.6676392	0
484.18758		0	117.3228302	0
484.16801		0	67.48659058	0
484.15796		0	68.3079834	0
484.14544		0	54.23809204	0
484.1152		0	274.5446411	0
483.1703		0	0	0
483.07426		0	326.6884033	211.422392
483.03432		0	0	136.4762868
482.90799		0	68.23557739	0
482.12587		0	0	75.47860754
482.11332		0	42.15325928	0
482.10241		0	110.0783875	0
482.02877		0	99.24288635	48.31847426
481.25908	(-)-Jolkinol A	0	1856.943884	0
481.13353		0	108.2297302	0
481.13292		0	38.19272461	77.59950023
481.12255	NPA021330	0	40.15288696	0
481.11983		0	0	31.13949621
481.09498	NPA017347	0	57.94299927	0
481.08036	Acetamide, N-(6-methyl-2-benzothiazolyl)-2-[[3,4,6	0	31.10703735	0
480.23026		0	0	129.0497702
480.19451		0	318.4093781	0
480.18119		0	130.1475464	171.0681756
480.1712		0	35.15570068	251.8026425
480.15689		0	0	0
480.14814		0	34.23999023	0
480.14747		0	0	319.8707204
480.13213		0	0	0
480.12246		0	65.75708008	0
480.08725		0	43.48054504	0
479.19293	Dichotosinin	0	28.17814331	0
479.13771		0	0	122.1549288
478.84654		0	0	79.89285386
478.83467		0	0	108.5821921
478.3268		0	0	58.90193589
478.31596	NPA006391	0	35.09322205	0
477.1236		0	62.21542969	0
476.99857		0	0	74.4229722
476.15862		0	0	72.68582261
476.0262		0	36.46495972	0
475.15516		0	0	93.03055492
475.15048	NPA001822	0	5114.080994	0
475.09496		0	42.50264282	0
474.99026		0	0	0
474.21334		0	92.32904053	0
474.19605		0	866.5821533	0
474.19224		0	130.8902649	0
474.15865		0	30.86805725	0
474.10272		0	271.8098877	0
474.06726		0	42.94155884	0
473.23861		0	0	173.2081687
473.20639	Doxepin N-oxide glucuronide	0	283.3221741	0
473.20042		0	187.1113037	0
473.18134	Lupiniso flavone N	0	0	121.2197151
473.17898		0	54.91470337	0
473.17098		0	95.38983154	59.79018842
472.17676		0	70.36518555	0
472.14858		0	47.10403748	0
472.14177		0	1675.925391	1034.43704
472.11629		0	42.36399841	0
472.10684		0	103.1130615	0
471.99605		0	972.3285156	0
471.18374		0	127.2781921	0
471.16698		0	171.1494385	0
471.15711		0	0	0
471.14834		0	46.45005188	0
471.14648		0	0	103.8139821
471.14542	Didymocalyxin B	0	324.4569946	139.5970358
471.10169		0	90.59422607	0
471.08778		0	633.3530151	535.4406824
471.07858		0	240.454303	0
471.07563		0	0	258.0882123
471.05758		0	0	133.7293543
470.15234		0	194.0608765	278.6659295
470.12622		0	81.84667969	0
470.10678		0	88.50257874	0
470.08525		0	162.5897522	0
470.08442		0	53.71603394	0

470.07963		0	162.1436035	0
470.04452		0	201.5560791	0
469.3255		0	27.42921753	0
469.23875		0	197.5414337	133.6165097
469.18547		0	366.0126038	0
469.17745		0	164.8120636	0
469.16637	Dichamanetin	0	48.12405396	0
469.12647		0	84.93059692	0
469.0938		0	109.1424438	0
468.90973		0	76.04184265	0
468.29649		0	52.78759766	0
468.17406		0	0	70.96271255
468.16196	Pelitinib	0	67.75303955	0
468.13979		0	52.4637085	0
468.0373		0	287.5424957	46.31957146
467.20877		0	0	169.5072381
467.17437		0	46.73825989	0
467.16259		0	322.3793488	303.4144416
467.15228		0	43.86421814	0
467.08063		0	99.38208618	99.09209559
467.06977		0	0	0
466.80676		0	86.73024902	0
466.69972		0	0	83.8771312
466.2743		0	42.52615051	0
466.24199		0	93.82220459	0
466.21809		0	110.5540527	0
466.16624	Bacampicillin	0	0	90.63493796
466.15174		0	61.40095215	0
466.02581		0	27.37794189	0
465.94838		0	0	83.12375919
465.18312	NPA019414	0	0	82.06368336
465.1687	NPA000669	0	37.26902771	0
465.16838		0	142.9342102	0
465.13423		0	59.09542847	0
465.13413		0	100.6842407	0
465.12043		0	146.3920288	0
465.056		0	0	0
465.02049		0	0	264.7953757
464.8036		0	87.61137695	0
464.20947	Trp-Cys-Arg	0	54.21652832	267.7730469
464.17918		0	95.00762329	0
464.14251		0	59.01843262	432.9857192
464.09787		0	189.0673706	0
463.17433		0	0	68.46258617
463.14242		0	45.74889221	0
463.14163		0	43.91715698	0
463.1153	NPA002267	0	0	216.3723346
463.07179		0	28.28305359	0
463.03323		0	51.56577148	0
462.19494		0	106.748822	0
462.14819		0	0	114.5276195
462.14126		0	55.87086792	0
462.09358		0	99.35522461	0
461.18218	NPA014217	0	37.51546326	0
461.0756		0	44.42518616	0
461.03993		0	0	53.16204044
459.87454		0	273.7514755	939.3637035
459.17799		0	533.0008545	0
459.15695	NPA001863	0	361.2475708	84.80546875
459.1564	NPA001863	0	1166.370676	0
459.05379		0	136.9321899	0
458.85015		0	100.9255219	0
458.18252		0	275.3940979	0
458.15026		0	53.10061646	0
458.07093		0	46.17564392	0
457.85642		0	32.37866211	0
457.15827		0	0	72.81027688
457.14324		0	0	155.7875919
457.12253		0	112.5958008	0
457.11653		0	206.2622742	570.1753217
457.06358		0	274.2865784	0
457.03612		0	0	110.2475643
456.16577		0	0	0
456.16296		0	102.1941956	319.9008847
456.13329		0	0	118.0676585
456.09884		0	0	96.30271714
456.0268		0	694.8172424	0
455.21726		0	0	83.29612247
455.17053	LMPK12110924	0	0	0
455.15916		0	42.08945313	0
454.18373		0	705.695697	0
454.1116		0	135.9800476	0
454.00757		0	34.91278687	0
453.99666		0	0	234.0162454
453.90835		0	0	206.5273265
453.2064	NPA018236	0	9048.879083	1663.438431
453.18787		0	118.5954834	0
453.1756		0	122.8116089	0
453.15599		0	309.9280701	0
452.76636		0	0	277.4092486
452.20204		0	106.9620972	249.4973977
452.14991		0	0	102.3549862
452.06805		0	77.35892334	0
451.18352		0	0	108.0723346
451.13378	NPA006166	0	291.1269043	0
451.11974		0	48.1632782	0
450.91647		0	0	171.7629308
450.81275		0	42.277948	0
450.78344		0	51.89004517	0
450.77302		0	28.34341431	0
450.72871		0	26.33443909	0
450.17375		0	1527.710492	4515.358249
450.15325		0	0	286.8828125
450.14105		0	0	0
450.12617		0	780.9841858	0
450.11975		0	0	120.4233226

450.03963		0	135.0083435	39.50002872
449.85857		0	58.63639526	0
449.40976		0	0	725.3471967
449.22365	NPA021612	0	27.81468811	0
449.1257		0	0	68.81122472
449.10947		0	0	180.6112994
449.09323		0	0	143.3216108
449.01124		0	0	87.27873966
448.15474	Aripiprazole	0	0	635.2860754
448.13857		0	678.2566528	1703.068647
448.12701		0	305.4719543	0
448.0599		0	1171.599014	100.8648208
448.04154		0	49.57339478	0
447.16463		0	448.40401	0
447.15409		0	0	108.7078814
447.15339		0	264.9027313	0
447.14793		0	80.41158447	0
447.10749		0	1512.671887	0
447.09479		0	271.096167	0
446.92515		0	176.716571	0
446.92225		0	35.82379761	0
446.23787		0	56.56997986	202.0185145
446.15708		0	348.5498901	0
446.13218		0	294.1752319	0
446.11974		0	59.96624756	0
445.85357		0	211.7675415	0
445.17101		0	359.1783447	0
445.15016		0	59.69095459	0
445.13078		0	106.8960205	0
444.89993		0	0	276.2062672
444.76366		0	657.9228638	0
444.19798		0	44.67088013	0
444.09747		0	80.23672485	0
444.06445		0	255.6911743	0
443.99847		0	28.16277466	0
443.90006		0	25.21249084	75.48809168
443.89921		0	59.49128418	125.4165786
443.41896		0	0	364.1408663
443.16636		0	155.9383301	115.4547335
443.15282	NPA010144	0	85.7094635	0
443.12634		0	90.61895447	0
443.0714		0	43.72225952	0
442.87221		0	93.84684753	0
442.85683		0	69.79584961	0
442.83082		0	68.75693359	0
442.21133		0	48.74905701	0
442.10593		0	52.29518433	0
441.19652		0	0	99.60869715
441.08232		0	135.1270996	0
441.07077		0	134.4444824	0
441.0363		0	236.1790344	0
440.84312		0	32.62100525	0
440.20843		0	382.9691345	0
440.1512		0	166.2116211	112.8937155
440.10902		0	0	158.390579
440.09161		0	82.13817444	0
439.22935		0	0	84.18826402
439.17593		0	32.42740173	0
439.15767		0	41.43635254	0
439.13313		0	42.82444763	0
439.11642		0	85.84578857	0
439.06034		0	405.9982483	71.12844095
439.02833		0	0	49.79968405
438.90082		0	0	182.842693
438.87918		0	30.45700684	0
438.23385		0	363.1755127	752.6955308
438.21184		0	0	78.44266429
438.19426	Azocyclotin	0	0	76.9455193
438.18128		0	100.1204529	0
438.12277		0	50.7040802	0
438.06708		0	26.96633301	0
438.05276		0	95.29156189	0
438.00696		0	0	78.08325483
437.40891		0	0	157.0393153
437.23255	Flurandrenolide	0	2138.768091	0
437.20767		0	744.0377319	0
437.18858		0	30.95317688	0
437.17254		0	0	69.96486098
437.16118		0	918.7061035	0
437.15268		0	0	106.9941981
437.14665		0	121.4360107	0
437.13759		0	0	177.9381951
437.07577		0	28.70346985	0
436.99513		0	26.23337097	0
436.79194		0	0	71.15981733
436.24536		0	0	98.47123162
436.20756		0	0	78.57038143
436.17675		0	0	140.9314396
436.13298		0	306.9322449	0
435.25959		0	38.06051941	0
435.20722	NPA021613	0	37.12718506	0
435.13815		0	91.36411743	0
435.03752		0	0	125.3019301
435.02745		0	3653.166382	2289.610668
434.27623	NPA027350	0	0	129.4677533
434.14133		0	708.4264893	111.2940832
434.1233	NPA009356	0	156.9772858	129.853148
434.05771		0	43.54457703	0
434.04542		0	2852.633109	1882.176384
433.1649		0	0	102.9578125
433.15472		0	326.1590698	0
433.07367		0	207.128363	0
433.06912		0	43.4995697	0
432.15794		0	319.0560791	0
432.15682		0	49.30090332	0
432.14522		0	46.19781189	0

432.11393		0	49.32304382	87.45816291
432.04412		0	78.04339905	0
432.03023		0	40.29170227	0
431.91767		0	39.6647644	360.9632583
431.15564		0	0	100.4524816
431.12842	NPA023450	0	102.1921478	89.31939338
431.10692		0	37.94415894	0
431.08392		0	64.04281006	0
431.08388		0	0	86.07846967
431.0676		0	0	0
431.04567		0	424.6194061	0
431.04482		0	0	61.22981962
431.03412		0	71.89124146	0
430.23124		0	0	357.1981847
430.18989		0	91.85484619	0
430.12331		0	82.66276245	139.9039752
430.11489		0	41.22758484	0
429.25527		0	0	73.22513787
429.23566	6-bromo-tricoso-5E,9Z-dienoic acid	0	271.5311951	0
428.9518		0	53.95227661	0
428.92551		0	47.08828735	0
428.86358		0	66.4897522	0
428.77899		0	42.6340271	0
428.36978		0	328.1726044	267.3838523
428.27154	Pro-Arg-Arg	0	21.21492004	640.2535558
428.26144		0	22.63708038	0
428.15408		0	97.66953735	0
428.13231		0	360.1244507	0
428.08423		0	0	0
428.06865		0	60.63171387	0
428.04656		0	243.8588745	0
428.01605		0	106.3352234	0
427.20433	His-Asp-Arg	0	50.52453308	107.4378102
427.1209		0	0	266.196852
427.09421		0	46.50280457	0
426.96611		0	0	52.93725299
426.85731		0	517.6157776	0
426.19883		0	26.82850342	0
426.1806		0	0	74.96129366
426.12574		0	41.05394287	0
426.1015		0	51.31630249	0
425.40765		0	0	0
425.1674		0	68.21155396	0
425.16132	Erythronone	0	0	365.2699851
425.15832		0	156.1340332	332.9987362
425.12247		0	0	367.7099035
424.89479		0	70.47832031	0
424.15465		0	45.09690552	0
424.10246		0	87.35664368	0
424.08641		0	65.54664917	138.261466
423.15195		0	44.55346069	0
423.14779		0	103.6040405	0
423.12922		0	59.99976196	0
423.1057		0	46.55857544	0
422.92767		0	0	70.2556296
422.92488		0	0	366.109128
422.15854		0	0	84.45688764
422.1028		0	1468.588867	0
422.09224		0	99.90378418	0
422.05125		0	0	154.0786994
421.9593		0	1293.234973	423.5684398
421.90877		0	0	67.37507468
421.15137		0	0	0
421.08452		0	0	242.6761949
421.03839		0	34.87286987	0
420.93483		0	34.14833069	65.07111673
420.91969		0	0	139.5832318
420.89529		0	40.12155151	0
420.26901		0	24.32135773	0
420.18733		0	43.77463989	0
420.16869		0	0	190.9405905
420.15747		0	44.90917053	0
420.14509		0	124.2912903	0
420.12542	NPA012968	0	100.3944092	0
420.12117		0	619.911496	220.4115292
420.09011		0	2972.566815	1955.774253
420.06511		0	656.8437622	0
419.97381		0	0	0
419.83866		0	0	69.71226448
419.14045		0	52.27130127	0
419.08911		0	72.73789063	0
418.15002	NPA007733	0	0	79.52533318
418.11657		0	494.0608978	130.1122932
418.09547		0	48.83187561	108.2616383
418.07083	NPA011614	0	190.4155975	0
418.07		0	269.089917	269.0679917
418.05654		0	51.84059448	0
417.23269		0	47.90526428	0
417.22118		0	87.54293823	0
417.18186		0	149.708667	0
417.12233		0	66.72511597	265.3669577
417.09779		0	53.05768433	0
416.22347		0	52.86802979	0
416.11677		0	38.20817566	0
415.15093	NPA006240	0	863.1245911	0
415.12363	5-(3',4',5'-trihydroxyphenyl)-gamma-valerolactone-4	0	98.61121826	0
415.11225	NPA019696	0	85.51517944	0
415.10913		0	0	38.38608973
415.09691		0	589.3266541	0
414.98478		0	40.21821594	0
414.2007		0	200.910199	88.63617877
414.18858		0	38.51732788	0
414.15853		0	0	227.489861
414.14019		0	77.48882446	0
414.13964		0	105.1660706	0
414.10208		0	127.8815643	0

413.89033		0	0	51.32803883
413.8749		0	0	214.2973058
413.18506		0	311.3651764	257.5130744
413.17113		0	71.98879395	0
413.15499		0	60.2920105	0
413.1365		0	152.6733765	0
413.08322		0	52.68121948	0
412.77302		0	63.21800537	0
412.19424		0	44.33843079	0
412.1415		0	642.2009644	336.8097771
412.12767		0	129.1639221	0
411.18883		0	38.66159058	0
411.16471		0	0	103.2528263
410.98387		0	176.1450012	0
410.13741		0	32.66502991	115.9996094
410.09992		0	48.61558838	0
410.06133		0	155.2286285	0
409.25926		0	0	111.5360869
409.17531		0	56.2999939	85.74733456
409.16414	LMPK12100015	0	155.6182617	394.4262983
409.12739		0	195.1898499	155.4325368
409.12413	NPA000065	0	45.69877625	0
409.08131		0	175.0327759	0
409.05416		0	0	164.1512063
408.9102		0	1005.018231	44.36445887
408.17644		0	0	80.86488396
408.16384		0	0	87.67367302
408.15292		0	0	157.8569853
408.11261		0	106.4628632	0
408.10188	N-Delsopropyl-fluvastatin	0	226.0902039	558.7914982
408.09174		0	1861.689771	1111.39047
408.07812		0	72.80683594	0
408.06812		0	0	158.8099265
408.03761		0	118.5626099	0
407.99033		0	0	120.8517004
407.95016		0	43.73475647	0
407.24514		0	55.92462158	0
407.19952		0	0	273.0495404
407.17675		0	119.7868469	0
407.15837		0	0	75.96426356
407.13879		0	0	152.6911075
407.13827		0	0	127.6164752
407.10546		0	333.5789856	0
407.05665	NPA020197	0	156.8950012	69.31173024
407.02572		0	0	98.24763327
406.94883		0	0	139.0516429
406.94618		0	70.31617126	0
406.27316	NPA003278	0	0	302.3636259
406.1663		0	423.3489746	0
406.15091		0	0	187.7116039
406.13612		0	0	205.3348805
406.11057		0	134.9347778	0
406.11042		0	180.7587158	0
406.07442		0	567.9105377	0
406.06886		0	128.5618408	0
405.99461		0	408.8136169	0
405.92891		0	37.50203552	0
405.16124	Eletriptan	0	325.8667053	0
405.12733		0	44.80238342	0
405.12183		0	90.01888428	934.2209329
405.08854		0	110.2313477	0
404.90343		0	0	43.02347197
404.8324		0	0	64.22862477
404.82947		0	0	61.72404067
404.17958		0	67.94940796	0
404.1444		0	91.74702454	103.0184053
404.1275		0	128.7544556	0
403.18216		0	0	289.349954
403.16979		0	166.8715149	0
403.16584	NPA027256	0	76.13675537	0
403.09595		0	0	137.2726677
403.09436		0	64.44203491	0
402.2561		0	170.8020691	0
402.10193		0	33.29743652	0
402.09988		0	201.0598236	120.5177964
402.03963		0	34.07475586	0
401.27358		0	0	0
401.15127	N-Desmethyldiltiazem	0	0	614.2209731
400.20784		0	209.0232727	0
400.18336		0	0	0
400.1576		0	63.31875	0
400.10739		0	152.7990753	112.6525965
400.10339		0	152.4413635	0
400.08805		0	81.96211243	0
400.07791		0	0	88.51353401
400.03517		0	0	0
399.85819		0	0	125.2065315
399.11544		0	58.31602173	0
399.09718		0	59.77399902	0
399.08893		0	59.02314453	0
399.01369		0	29.19132996	0
398.98299		0	0	89.81464269
398.92733		0	0	43.92516372
398.24104		0	102.9823639	1525.773581
398.16797		0	0	107.5967831
398.1554		0	84.41873474	0
398.14496		0	0	0
398.03327		0	159.4254883	0
397.89903		0	138.4940582	317.9148552
397.85858		0	0	138.0558709
397.22012		0	0	53.52250115
397.08414		0	0	50.9582261
396.22454		0	0	59.68671875
396.15105		0	285.4467896	266.0155331
396.11967		0	97.17236938	0
396.10173		0	107.4461761	0

396.09116		0	407.0305054	0
396.08968		0	569.0664001	563.2235983
396.08113		0	0	222.3900161
395.26226	Arachidonoyl-1-thioglycerol	0	0	0
395.16661		0	187.2833862	0
395.15131		0	100.5703369	0
395.13776		0	146.3637756	0
395.13204		0	110.6075836	0
395.10444		0	37.93308105	0
394.95591		0	0	32.88614143
394.19372	Prenperone	0	390.6935669	0
394.14588		0	2198.935217	411.3676643
394.12219		0	104.8727386	87.01863511
394.09675		0	42.12510986	0
394.0826		0	114.1010254	0
394.06148	Cinidon-ethyl	0	0	201.7681296
394.05064		0	116.3296936	966.9300322
393.20669	Betamethasone	0	4086.413428	0
393.15677		0	0	92.34883961
393.14472		0	0	552.2360179
393.11145		0	0	133.7149586
393.10483		0	116.6000366	651.9085191
393.10094		0	121.2693726	0
393.02957		0	73.95288391	0
392.99381		0	92.93580627	0
392.96596		0	122.8420898	0
392.93281		0	124.8046997	0
392.72971		0	126.3397339	144.6471622
392.15489		0	469.7042297	0
392.14484		0	0	64.14666245
392.13168		0	263.5721893	0
392.05706		0	82.71751709	0
391.14676		0	43.90986938	0
391.1275		0	102.2420776	0
391.11735		0	45.59143982	0
391.10222	Clitoriacetal	0	200.9459839	0
391.05981		0	529.1085938	0
390.97004		0	30.14388733	57.93415671
390.96859		0	187.9647797	0
390.81213		0	344.4804291	0
390.78593		0	0	267.2039292
390.21016		0	614.6670715	0
390.04275	NPA019909	0	107.6778351	0
389.26289		0	27.03199768	0
389.10533		0	0	59.43886144
389.09428	4,6(1H,5H)-Pyrimidinedione, dihydro-5-[(2-methoxy	0	0	58.3591682
389.0942	4,6(1H,5H)-Pyrimidinedione, dihydro-5-[(2-methoxy	0	0	49.30064338
389.07141		0	49.09526672	0
388.94777		0	29.71867981	0
388.28214		0	0	135.1251494
388.1928		0	394.9784027	0
388.16895		0	0	0
388.08314		0	189.0927338	74.2860409
388.0795		0	153.8744171	0
388.06077		0	0	166.43179
388.05421		0	30.08553162	86.34132583
387.93965		0	26.24310913	83.81185087
387.89436		0	261.1933746	0
387.28332		0	52.359375	0
387.26777		0	59.94469299	0
387.1573		0	0	62.84300322
387.13532	NPA017664	0	31.7426239	1340.870479
387.11943		0	41.77315979	0
387.10379		0	0	103.3300437
387.08642	NPA000559	0	0	713.927562
387.07973		0	0	108.9197266
387.0334	Quazepam	0	473.3026337	914.9040097
386.90818		0	148.9251465	0
386.82249		0	68.94898987	0
386.14956		0	220.6907593	0
386.09384		0	25.21721649	0
386.04617		0	146.4897705	0
386.00924		0	0	164.8097886
385.27163		0	23.5275177	0
385.21009		0	0	0
385.15712		0	0	181.8888097
385.11018		0	0	278.200563
385.01654		0	47.0177948	0
384.17416		0	0	134.9659122
384.1333		0	51.88173218	0
384.13319		0	0	234.4358341
384.1074		0	228.7536987	0
384.03049		0	99.52307129	0
383.95583	1-(Benzenesulfonyl)-3-iodo-1H-indole	0	29.70003662	0
383.95567	1-(Benzenesulfonyl)-3-iodo-1H-indole	0	23.2953186	0
383.18664		0	0	90.14798369
383.16665		0	0	66.89542165
383.15491		0	0	79.11350528
382.99305		0	0	84.83524816
382.98136		0	25.14039001	0
382.95228		0	0	199.6172105
382.89324		0	0	107.526597
382.03433		0	0	98.02456342
381.95866		0	0	76.29756434
381.94164		0	80.05524902	0
381.92594		0	570.1537872	82.0941636
381.88511		0	219.2851776	2582.397668
381.24713		0	0	0
381.21515		0	54.50930786	0
381.18944	NPA012429	0	0	259.0989832
381.16272		0	0	198.8748392
381.14442	NPA023383	0	0	0
381.12528	Chlorotrianisene	0	0	1889.003498
381.1196		0	105.9778168	0
381.07268		0	37.64546509	0
380.9623		0	137.353717	0

380.23005		0	54.50675049	0
380.19438		0	222.338092	137.3031882
380.16645		0	45.85245972	0
380.14486		0	0	0
380.0821		0	132.6184875	0
380.069		0	192.3468567	0
380.05526		0	79.10855103	0
379.2209		0	0	86.42407514
379.1777		0	36.68829041	86.88655216
379.16639		0	0	323.8013614
379.14819		0	139.9685669	448.2980928
379.12443		0	499.8990204	531.2084329
379.07254		0	278.6254028	0
378.99683		0	0	97.53061811
378.14963		0	110.3425934	0
378.12244		0	51.42217407	0
378.10571		0	80.55794983	50.8140625
378.09481	NPA029279	0	45.4579834	0
378.05921		0	46.25858459	0
378.04336		0	261.3615692	0
377.97306		0	0	88.7654182
377.14492	Riboflavin	0	50.12542419	0
377.13942		0	46.2697113	0
377.08599		0	129.4588989	0
377.06127		0	649.9606781	374.5958352
376.18561	NPA027866	0	0	260.9073529
376.1818		0	0	0
376.12551		0	33.20613708	80.93443244
376.11713		0	68.75118408	0
376.10953		0	0	124.9947725
376.02242		0	0	0
375.22004		0	90.67518311	0
375.20948		0	82.49473877	0
375.10946		0	0	0
375.10661		0	0	173.3709559
375.10456		0	62.63170776	0
375.08818		0	0	224.4192555
375.08732		0	0	0
375.0586		0	0	167.6802849
374.14531		0	32.85001526	0
374.04527		0	61.56478882	0
374.02016		0	0	405.8131893
373.94518		0	29.83105774	0
373.14923		0	38.16801147	0
373.13128		0	0	197.2674173
373.11951		0	130.5593658	988.1070456
372.96602		0	79.10328369	0
372.82731		0	0	56.08714384
372.15283	Urea, N-[1-(cyclopropylcarbonyl)-4-piperidinyl]-N'-[4	0	0	0
372.13073		0	0	87.3671875
372.11821		0	33.10846252	0
372.06991		0	0	0
372.04366		0	193.0288208	0
371.15745		0	63.54001465	0
371.10187		0	0	120.8418543
371.09409		0	109.9190857	88.79829389
371.08535		0	23.46502228	0
371.07608		0	32.1202301	0
371.0541		0	0	67.70909352
371.02676		0	48.59476624	0
370.84863		0	252.0147537	0
370.76079		0	0	163.1804975
370.32585		0	0	68.79073989
370.13765	NPA032061	0	0	250.6541705
370.13756		0	97.48718872	200.9630974
370.12937	NPA015682	0	57.30350342	129.658318
370.1064		0	28.95511475	0
370.09355		0	659.8216919	0
370.05174		0	0	179.5134306
370.05121		0	162.9659546	156.8548254
370.03359		0	261.4246429	1098.092107
370.01927		0	0	189.5206859
369.35013	3-Deoxyvitamin D3	0	0	348.1296444
369.1884		0	165.1221619	0
369.08146		0	105.0452881	0
369.05661		0	67.27546997	0
369.0277	Chlormerodrin	0	94.78358459	0
369.01646		0	104.3167664	0
368.94857		0	0	0
368.87412		0	50.30598755	0
368.21655		0	60.92854614	0
368.16651		0	128.9167297	0
368.15524		0	0	72.11210363
368.06999		0	191.7410034	511.4732192
368.03916		0	0	0
367.90977		0	57.58067932	0
367.86819		0	0	338.595008
367.19507		0	34.24726563	0
367.18436		0	396.7916351	151.8044577
367.14378	3-Methyl-6-(4-toluidino)-3H-naphtho[1,2,3-de]quin	0	0	318.1495749
367.06411		0	0	80.08676471
366.99844		0	0	223.0865119
366.95916		0	155.0408508	0
366.14452		0	109.7327118	0
366.09263		0	1054.660559	0
366.06821		0	81.9508606	0
366.04744		0	46.73168945	0
366.04524		0	27.69432373	74.28351907
365.95149		0	309.9738922	0
365.91015		0	343.1980377	693.8060662
365.17706		0	376.3311096	99.22582721
365.15727		0	0	86.25683019
365.14664		0	0	169.2159984
365.12563		0	0	129.1939338
365.1		0	48.55943604	0
364.97064		0	42.49729614	0

364.95381		0	89.37491455	303.353171
364.93089		0	0	83.02608571
364.91911		0	40.42587891	0
364.21959		0	0	59.48582261
364.17408		0	133.7546204	460.845818
364.11466		0	0	0
364.09236		0	44.55379028	0
363.33509		0	0	234.8229262
363.127		0	33.33425598	0
363.11147		0	45.12425537	0
363.0915		0	0	252.6784524
363.08025		0	42.479953	0
363.06578		0	121.3883362	0
363.05515		0	234.9462341	0
362.88673		0	120.3103912	1477.928487
362.11406		0	88.67663269	0
362.10386		0	225.4329376	0
362.06389		0	43.99517212	0
362.01158		0	0	0
361.13618		0	126.7214355	179.2178768
361.06577		0	36.32842102	0
361.05045		0	116.3186646	0
361.01574		0	553.1976044	144.509398
360.97868		0	0	205.1563821
360.18487		0	0	98.01323529
360.08697		0	48.48448792	0
359.17773		0	0	0
359.16568		0	211.6466797	0
359.15043		0	0	63.55812845
359.10461		0	42.54341431	0
359.10386		0	80.44574432	860.466389
359.05		0	0	145.0123047
358.94261		0	146.131897	258.1751838
358.86461		0	26.55843201	0
358.15502		0	113.6850494	0
358.08348	Indomethacin	0	29.49875183	0
358.02284		0	636.9068481	213.3141085
357.24682		0	60.42727356	0
357.1496		0	66.34020081	0
357.14595	NPA032536	0	0	343.2929975
357.13112		0	0	75.16221852
357.07629		0	91.70347595	0
357.05623		0	46.46555481	466.237546
356.19599		0	183.067392	383.1785501
356.16984		0	82.19514771	0
356.13364		0	52.87416992	0
356.12571		0	0	88.92580997
356.11504	Rac-4-Sulfoxypropanolol	0	0	483.4826172
356.11104		0	45.11358948	0
356.05194	N-(2-Chlorophenyl)-N-methyl-4H-thieno[3,2-c]chromen-2-amine	0	0	90.93498966
356.03995		0	39.84673462	103.9070427
355.13496		0	325.9103943	169.8417624
355.10004		0	197.9067261	0
355.09962		0	151.3359039	156.4096852
355.06324		0	231.2226685	187.8154469
355.04475	NPA014996	0	381.751001	200.9570313
355.02766		0	50.40513916	0
354.19339		0	488.6325623	0
354.17625	NPA031267	0	45.09667053	0
354.16334		0	112.2188354	0
354.14942		0	0	68.91340188
354.10873		0	41.71887207	0
354.07269		0	321.7189148	0
354.04648		0	87.39163513	0
354.03697		0	118.6212402	0
353.05673		0	0	249.091906
353.01385		0	65.28769531	438.7095588
353.0015		0	0	104.2884536
352.75351		0	177.2002625	157.6174632
352.15458		0	0	101.0963695
352.13742		0	73.30002441	0
352.12385	2',3'-Di-O-acetyladenosine	0	74.94541626	0
352.10865		0	0	75.14103286
352.07574		0	130.5582214	0
352.07491		0	63.64077148	192.1597312
352.06514		0	772.3907227	1362.115619
352.05396		0	247.5804749	365.5709903
352.04399		0	0	447.0694853
352.0189		0	1966.269135	2872.661587
351.89579		0	0	64.53824678
350.97548		0	43.3072998	66.91368336
350.26758		0	0	92.13938419
350.08754		0	29.40589905	0
350.07391	4-Desmethoxy-4-chloromeprazole	0	0	590.5239028
350.05952		0	0	89.90736443
350.05706		0	129.9144714	0
349.93553		0	144.5997223	0
349.18061	NPA009747	0	3893.321167	0
349.15591		0	172.3350067	0
349.14443		0	117.4102356	0
349.11169		0	0	55.59162454
348.18734	Ser-Asn-Lys	0	199.8143372	723.484668
348.14497		0	32.75843811	159.0263902
348.03505		0	0	119.3397403
347.34168		0	0	333.8162167
347.00706		0	0	63.29883961
347.005		0	91.42077026	68.61349954
347.00423	DUMP	0	100.7949036	201.2029125
346.12909		0	0	92.93185892
346.11353		0	57.02753296	0
346.09136		0	54.14033813	0
346.08018		0	50.798703	0
346.07642		0	201.736499	0
346.05818		0	33.16442871	0
346.04843		0	260.304657	0
346.03019		0	108.5667053	531.351258

346.02913		0	0	176.6162799
346.00209		0	92.16312256	69.28955078
345.99679		0	56.14401245	75.11281595
345.97616		0	689.0820435	4068.967946
345.97556		0	0	130.6369485
345.22225		0	44.57243347	0
345.21144		0	31.08540649	0
345.177		0	120.5981598	0
345.17509		0	38.16517944	0
345.14827		0	2549.702155	1194.986707
345.12677		0	48.07692871	0
345.11051		0	0	0
345.09816		0	0	144.4636719
345.071		0	1326.998535	2266.963505
345.07015		0	38.58122253	0
345.0608	LMPK12113020	0	87.52796936	0
345.04458	5-Thymidylic acid	0	68.07185059	0
345.0372		0	43.76865234	0
345.02178		0	371.7474487	559.8749655
344.99774	Bis(4-fluoro-3-nitrophenyl)sulfone	0	1643.656064	847.8667682
344.13334		0	0	93.26880744
344.08547		0	74.9555603	0
344.07008		0	31.57515869	0
343.11985		0	57.55014648	0
343.08566		0	0	698.9563879
343.0843		0	65.24894409	0
343.00882		0	38.66015015	0
342.9676		0	31.63041382	0
342.2007		0	313.9457764	0
342.18027		0	117.960022	0
342.15921		0	70.3494751	0
342.13504		0	791.7693695	538.1136834
341.26147		0	0	79.63456457
341.22658		0	0	29.70894129
341.21215		0	0	514.4975586
341.13643		0	211.0224609	0
341.01767		0	23.24673157	0
341.00914		0	0	105.3395335
340.16897		0	0	76.71048369
340.13815	5-Hydroxytryptophol glucuronide	0	0	197.4105584
340.13152		0	109.5918701	0
340.12955		0	37.18166809	0
340.09272		0	114.1002563	0
340.08226		0	38.07728882	0
340.06566		0	43.12180176	101.2659812
340.05792		0	108.4040161	142.536667
340.04791		0	0	82.38461627
339.16864		0	0	0
339.12084		0	0	0
339.10683		0	0	0
339.10532		0	58.19104004	0
339.08966		0	44.55227051	0
338.89786		0	32.42672729	190.3125919
338.07205		0	0	269.465648
338.03724		0	51.66825562	0
338.01204		0	316.4340363	151.0493336
337.96546		0	0	129.7225758
337.13428		0	0	431.6575023
337.10979		0	90.04253845	0
337.09726		0	50.30868225	0
337.0938		0	0	109.5000919
337.06624		0	224.2171814	0
337.05476		0	832.3437286	2742.529125
336.29025	Type IV cyanolipid 16:0 ester	0	0	119.1346852
336.10545		0	0	104.0488626
336.0904		0	33.42359924	0
336.08734		0	42.57962646	0
336.086	NPA029462	0	0	0
336.07707		0	42.03265076	69.61402229
336.07574		0	133.1881653	127.7580595
336.04331		0	1120.246661	429.5683881
335.30358		0	33.11795654	1185.800172
335.10306		0	47.46732788	0
335.06144		0	0	0
335.00311		0	82.79779053	97.73307675
334.88967		0	33.55820618	115.8231618
334.27467		0	0	76.51659582
334.09944	Ethalfuralin	0	0	397.0662971
334.0873		0	228.7216309	78.15575023
334.05406		0	174.0113464	420.4108226
333.9735		0	52.75256958	0
333.16985		0	27.36602478	0
333.08816	NPA019582	0	23.13765259	0
333.01356		0	299.2984467	131.5056756
332.99694		0	0	0
332.99533		0	62.89456177	214.6474897
332.98392		0	54.6250061	384.66358
332.92589		0	0	0
332.91117		0	0	223.8076517
332.86665		0	0	128.3200712
332.86007		0	33.81098328	0
332.7694		0	61.32587891	0
332.07181		0	0	1958.213362
331.96042		0	0	284.1565717
331.18328		0	44.49728088	0
331.10793		0	38.3421051	0
331.07951		0	0	260.9215188
331.06622		0	0	110.1041475
331.0492		0	46.44112244	91.10769761
331.02913		0	0	82.10028148
331.02625		0	0	59.0089614
330.1918		0	38.79726257	0
330.17058		0	0	338.883341
330.00379		0	0	104.6119945
330.00367		0	0	775.1547392
329.2294		0	0	40.39160731

329.21677		0	27.29522095	0
329.16374		0	70.11959229	0
329.15324		0	53.16809082	108.7876608
329.13707		0	69.99696655	0
329.08124		0	42.93330078	109.7407744
329.05076		0	0	46.14887695
329.04372		0	97.55748291	0
329.018		0	0	112.5825712
329.00485		0	0	1130.449724
328.97179		0	0	53.09581227
328.88159		0	38.65027161	0
328.14759		0	0	120.9076746
328.09006	2-Chloro-1-[1-[4-(difluoromethoxy)phenyl]-2,5-dime	0	63.43546143	0
327.99587	2-(3-Bromophenyl)quinoline-4-carboxylic acid	0	0	121.63233
327.97864		0	0	162.2358858
327.97742		0	32.23798523	0
327.13885		0	43.9050415	0
327.12065	NPA001542	0	175.6776489	68.92606273
326.97002		0	24.7159729	0
326.95728		0	57.02015991	52.11162109
326.14589		0	0	221.7198644
326.02674		0	39.96463928	0
326.0156		0	522.224353	0
325.98633		0	0	34.72842084
325.2221		0	49.55027161	0
325.16164		0	0	174.9537109
325.12272		0	35.08095398	1072.973139
325.07752		0	44.2900238	0
325.07272		0	0	0
325.05892		0	31.11669922	0
325.01633	Di(4-morpholinyl)dithioperoxyanhydride	0	72.96167908	0
324.15296		0	0	58.05438879
324.12153		0	0	47.45477654
324.11883		0	93.97848511	75.95487132
324.0908		0	35.65185242	0
324.03418		0	1237.211304	341.2688189
324.0227		0	0	114.1476218
323.98799	Benodanil	0	64.56657104	0
323.25046		0	0	173.9606733
323.17807		0	0	0
323.02985		0	280.9470642	729.7028378
322.98906		0	0	82.37113971
322.27446		0	0	90.90889821
322.19756		0	0	89.12566636
321.15788		0	0	366.2470244
321.10748		0	25.82333374	0
321.10349		0	0	0
321.08211	NPA003704	0	279.5103241	261.2795381
321.07979		0	54.38131714	61.05268842
321.04449		0	67.31843872	219.8904871
321.02293		0	0	172.3797392
320.80501		0	53.26707764	0
320.10755		0	0	91.61282169
320.08746		0	157.8773438	444.2207491
320.04999		0	0	397.7984835
320.00311		0	0	146.2906365
319.30979		0	0	1621.739752
319.09927	4-[5-(Benzylsulfanyl)-4-methyl-4H-1,2,4-triazol-3-yl]	0	0	0
318.94541		0	0	0
318.07492		0	86.47522888	64.53333525
318.04508		0	37.73395996	0
318.03348		0	108.6471252	0
318.03237		0	31.23874512	0
318.00297		0	0	261.7288833
317.98076		0	0	1977.298742
317.16961		0	222.9885559	0
317.14661		0	317.9191772	0
317.13146		0	56.36503296	0
317.12335		0	0	73.64289407
317.09746	NPA013874	0	33.86515198	0
316.11023	NPA009885	0	52.03140869	147.9769187
315.98879		0	0	62.86437845
315.96534		0	64.19100342	576.7655388
315.1788		0	0	0
315.07022		0	0	91.50853056
315.02669		0	37.61738586	204.7509421
314.9583		0	0	659.5594612
314.13008	(4-Benzylpiperidin-1-yl)(4-chlorophenyl)methanone	0	125.2829315	348.1686926
314.09634		0	124.4881348	249.7949678
313.21454		0	0	1684.699058
313.10875		0	97.01119995	79.32290326
313.10241	Tiotidine	0	0	0
313.08908		0	279.1366455	147.4730699
313.08762		0	120.2265106	217.0181526
313.07675		0	0	0
313.06497		0	89.73041687	0
313.04972		0	52.13421631	0
312.36138		0	0	8507.513523
312.13935		0	33.33586731	0
312.12261		0	0	104.4094095
312.01681		0	0	48.13846507
311.14099		0	104.4738617	0
311.13215	Desloratadine	0	0	97.26238511
311.12554	Benzamide, N-([(1S)-1-(aminocarbonyl)-4-[(2-chloro	0	0	0
311.12138		0	0	94.10872587
311.11131	Elephantopinolide K	0	24.60510101	105.3171186
310.98828		0	24.74711609	301.6898552
310.30855		0	26.24004211	414.4545898
310.22173		0	146.1289063	0
310.21497		0	4120.425342	0
310.21142		0	52.24263916	0
310.18497		0	0	49.97007123
310.11494	NPA005297	0	58.41543579	0
310.09227		0	79.77306824	0
309.19852		0	93.57645874	0
309.15305		0	0	0

309.07718		0	0	109.235386
309.04354		0	40.89974365	0
309.03491		0	122.6811432	0
309.02154		0	0	0
308.25803	R-Dysidazirine	0	0	756.4271599
308.07311		0	390.3643219	201.7179515
308.07132		0	0	94.95471622
308.04154		0	146.5518799	199.7061064
307.1746		0	115.1058472	0
307.15581		0	187.4046692	293.6936581
307.1278		0	204.3563324	138.7641889
307.11157	NPA007042	0	34.27631836	0
307.09672		0	32.67420959	103.4612592
307.09384	2-Trifluoromethyl-2'-methoxychalcone	0	74.46276855	0
307.06953		0	0	0
307.06628		0	333.2395752	0
307.05653	NPA006800	0	0	442.935185
306.97523		0	68.13029175	0
306.8996		0	57.21260986	0
306.18318		0	0	54.78029067
306.1567		0	0	52.50896714
306.13634		0	0	0
306.12595		0	0	84.28441521
305.98157		0	0	105.8284122
305.15403		0	1761.146338	0
305.10387		0	140.4797211	246.0341567
305.06612		0	32.18166199	576.0497702
304.8782		0	0	57.86653263
304.13203		0	0	211.9162856
304.08937		0	0	95.5659352
304.06226		0	432.056134	0
304.05516		0	0	285.4029642
303.96965		0	0	107.9662914
303.20134		0	186.659314	0
303.12772		0	71.85280762	0
303.06346		0	56.27227783	0
303.04835		0	47.53093567	0
303.00634		0	27.50473633	0
302.13151		0	112.8448914	0
302.09414		0	0	173.1311638
302.08761		0	0	99.17757353
302.07507		0	0	164.2015912
302.06135		0	0	131.1430607
302.05054		0	48.89772034	0
302.00847		0	0	92.42467256
301.99613		0	0	44.83598058
301.12471		0	15.32898865	0
301.11097	Etifoxine	0	19.94228668	51.82522403
301.03557		0	0	161.5717946
301.0011		0	22.33907318	550.2367302
300.97785		0	31.54239197	407.218526
300.16837		0	48.18281555	0
300.16279		0	274.1982178	0
300.00027		0	0	95.33987247
299.13664		0	189.8758362	0
299.12156		0	0	73.52826287
299.03662		0	54.02860718	0
299.00515		0	0	74.73544922
298.3441		0	659.3353821	0
298.20991		0	380.0057007	0
298.18569		0	77.75910034	0
298.08762		0	50.31529541	0
297.09849		0	0	72.17383387
297.09121		0	0	60.1505687
297.02376		0	0	95.63616153
296.03737		0	124.5522827	88.79728286
296.01463		0	0	70.01599265
295.99633	7-Nitronaphtho[1,2-D][1,2,3]oxadiazole-5-sulfonic a	0	37.38562012	0
295.16729		0	0	61.70662914
295.10898		0	55.04971008	0
295.09803		0	23.96801147	0
295.05316		0	0	70.27132927
295.04153		0	89.28152466	0
294.06085		0	80.24912109	0
294.0394		0	145.5562653	214.6238798
293.06396	2-(beta-Glucosyl)glycerol	0	968.9572876	0
293.05673	NPA023014	0	37.24825134	0
292.8761		0	103.1323425	0
292.26597		0	0	57.05216567
292.10526		0	0	136.1179343
292.09051		0	22.21773834	105.690625
292.07579		0	0	272.8088695
292.07381		0	0	65.13476563
291.98625	Ebselen oxide	0	0	31.30779239
290.93682		0	25.26021729	0
290.15393		0	0	62.4256204
290.15383	N-(3,4-Dimethoxybenzyl)-2-(4-fluorophenyl)ethanar	0	0	461.4661075
290.14364		0	50.49822998	0
290.09568		0	29.42286377	0
289.08942		0	29.15491638	0
289.04795		0	34.84292603	52.20477941
289.04566	4,4'-Dinitro[1,1'-biphenyl]-2-carboxylic acid	0	53.38823853	0
289.02926		0	65.74634399	0
289.00851	4-(5-Bromo-1H-indol-3-yl)-2-pyrimidinamine	0	0	396.3860754
288.19144		0	1145.245587	0
287.06777		0	0	34.38225528
286.88709		0	26.67882996	0
286.19018		0	0	48.0403148
286.18588		0	85.43414001	0
286.16131		0	40.57958374	0
286.11847		0	35.57213135	0
286.11509		0	33.87718506	0
286.10822	Letrozole	0	0	64.97724609
285.17134		0	33.44075012	0
285.13927		0	0	109.2059283
285.12926		0	0	70.11236788

285.08645	Phenytol catechol	0	0	305.3749081
285.00639		0	0	186.3698759
284.19591		0	48.03680725	0
284.15871		0	115.6477997	0
284.11408		0	0	64.19357767
283.14125		0	427.6672607	0
283.12695		0	0	1782.997053
283.11599	NPA006816	0	0	99.55678998
283.09918		0	205.8042664	0
283.0526		0	0	63.99695542
283.02675		0	30.06500549	0
282.99083		0	0	794.2062385
282.2784	Oleamide	0	116.1036377	1676.248633
282.17634		0	52.87284546	0
282.13103	Northiaden	0	40.22876587	0
282.11032		0	24.5786499	51.53889017
281.05608		0	28.39677429	0
281.05028		0	0	82.53933249
281.03303		0	86.8574585	91.29575483
281.00711		0	0	1351.311449
280.16634		0	571.5513977	0
280.14491		0	29.93739319	167.4008617
280.02123		0	211.264032	65.83841912
279.14518	Pentoxifylline	0	0	0
279.1013		0	0	226.9349724
279.07716	Dibenzyl hydrogen phosphate	0	0	56.29499081
279.07476	NPA021061	0	37.41307983	0
279.06275		0	106.1850311	55.4650046
279.04771		0	544.2193024	76.1403148
279.0373	1-[2,4-Dinitroanilino]-1H-pyrrole-2,5-dione	0	22.98100281	0
278.24777	Obscuraminol A	0	0	430.8740349
278.18865		0	12620.08569	0
278.16307		0	293.4133911	0
278.15044		0	71.93616943	0
278.14726		0	101.0974457	0
277.11197		0	44.65306702	0
276.1076		0	0	49.21212661
276.09277		0	0	51.78569049
275.09722	N-(3-Acetylphenyl)-N'-(1-methyl-1H-pyrazol-3-yl)thi	0	0	70.30117762
273.17859		0	85.08276978	0
273.15803		0	289.1352783	0
273.14186		0	201.5990509	0
273.04891		0	37.24145203	0
273.02171		0	0	0
272.20669		0	30.66275024	78.41448185
272.19403		0	30.85151367	68.53141659
272.18137		0	29.96725464	0
272.13467		0	91.20545807	0
271.17941	NPA007403	0	356.7480377	378.1579389
271.16851	Estrone	0	482.4010986	0
271.15359	NPA001555	0	128.4159393	140.2833812
271.14329	NPA000657	0	343.2266205	302.4673311
271.13686		0	93.43561401	0
271.1151		0	0	0
271.03452		0	0	228.7250574
270.89988		0	18.90951538	604.7216912
270.24257	NAE 14:1	0	0	1018.769278
270.14293		0	84.70950623	50.86269531
269.89093		0	0	40.78424
269.25744		0	0	2241.086615
269.14455		0	282.0422455	0
269.14092	2-[4-Ethoxyphenyl]-6-methyl-2H-1,2,3-benzotriazol-	0	55.70699158	0
268.90072		0	0	64.48469095
268.90005		0	0	51.04882238
268.22633		0	28.37410278	2211.317501
266.99618	2',5-Dichloro-2-hydroxybenzophenone	0	70.14145508	914.3127068
266.98599		0	0	0
266.17649		0	0	226.6104779
266.1721		0	36.58622437	0
266.12417		0	73.50106506	0
266.09792	Streptozocin	0	19.07890778	0
265.17786		0	161.347879	0
265.15685		0	7588.319839	0
265.11648		0	0	61.03299058
265.05035		0	38.29649353	50.74356043
265.03322		0	119.446402	0
264.23221	2,4-Di-tert-butyl-6-[[dimethylamino)methyl]phenol	0	0	1637.038103
264.20601	Lisdexamfetamine	0	44.45167542	762.4470473
263.97324		0	23.31883087	0
263.92406		0	0	194.6025793
262.18981		0	0	46.73213465
262.1037		0	0	102.1106962
261.92637		0	0	280.9978573
261.15902		0	43.89862671	0
261.14638		0	81.32816467	0
261.12935		0	0	79.74952321
261.1282	2,5-Dimethyl-3,4-diphenyl-2,4-cyclopentadien-1-one	0	68.1218811	0
261.10709		0	66.43237915	77.64238281
261.07714		0	0	129.641165
260.17539	Primaquine	0	68.23994141	0
260.15487		0	33.2958313	0
259.17444		0	193.7772858	0
259.14827		0	32.1169281	0
259.13044		0	0	118.8819393
259.12992		0	87.09465027	0
259.11172		0	0	73.14871898
257.99072		0	0	146.5930951
257.98536		0	0	23.18494083
257.14763		0	40.75207214	58.75790441
257.12679		0	600.3225311	0
257.11392		0	1507.832764	7205.447808
257.07767		0	42.6639801	232.5277516
256.2256		0	0	156.4728315
256.16417		0	25.03939514	0
256.1497		0	20.30869751	0
256.08761	2-Fluoro-N-(1H-indazol-5-yl)benzamide	0	33.93904419	0

255.2423		0	0	136.9044864
255.1689		0	65.35275879	252.909599
255.0949	2-Phenyl-5,6,7,8-tetrahydroimidazo[2,1-b][1,3]benz	0	0	586.9866785
254.21009		0	0	124.3150735
254.19634		0	0	61.85972541
254.16961		0	0	70.93619026
254.13559		0	0	114.3033404
254.01103		0	0	134.5998104
253.22473		0	0	232.0111673
252.80488		0	0	259.2021829
252.17311		0	84.32427368	0
252.11075		0	116.0497681	36.04960938
251.91879		0	135.2565109	170.9210018
251.15568		0	497.7579407	217.6055607
251.14202	(2E)-1-Phenyl-3-(2,4,6-trimethylphenyl)prop-2-en-1-	0	56.42547607	192.7977482
251.10473		0	0	53.85158548
251.09208	NPA002896	0	89.01170197	1381.870152
250.91253		0	0	311.3289005
250.21673		0	0	121.4115464
250.10512		0	47.13398438	0
250.10163		0	16.15053864	0
250.09457		0	118.0724701	500.9919979
249.07006	Dapsone	0	0	89.29022289
248.13867		0	118.4509857	0
248.11825	2-(3-Pyridinyl)-2,3-dihydro-1H-perimidine	0	39.07726746	0
248.10792	2-[2-(2-Quinoliny)ethenyl]phenol	0	31.04156799	0
247.15158		0	213.6503876	0
247.14565		0	320.9763672	0
247.13069		0	370.1068787	0
247.12055		0	44.51644897	0
246.17909		0	71.79252625	0
246.12632		0	0	88.0493796
246.12008		0	257.8741074	38.07737247
246.0959		0	72.34920654	0
245.95359		0	27.88452759	0
245.95269	2-Amino-5-iodonicotinonitrile	0	132.8656097	156.0277286
245.12482		0	0	155.3778665
245.11358	Carbidopa	0	0	154.6749023
245.05448		0	0	676.6131147
244.21141		0	233.5716156	0
244.16399		0	1484.702451	0
244.12995	Glutaminylproline	0	71.48690796	0
244.09162		0	30.50035706	113.9791475
244.07873	N-[2-(Phenylthio)phenyl]acetamide	0	154.1286041	258.4419462
244.05021		0	0	144.740895
243.10586		0	83.54272919	0
242.1804		0	157.1610901	0
241.14191	NPA027233	0	31.13729553	0
241.12885	Anserine	0	91.30258789	0
241.10918	2-[4-Methoxyphenyl]-2H-1,2,3-benzotriazol-5-ylami	0	24.69473572	0
241.07293	N-[4-[Acetyl(methylamino)phenyl]-2-chloroacetam	0	0	35.83798254
239.12204		0	47.10475922	0
239.10524	HEPES	0	276.7878998	1071.035576
239.08823		0	27.61838989	0
237.1353		0	73.38415833	103.7063649
236.12224		0	0	74.64281365
235.15947		0	301.7897583	0
235.1418		0	90.15158081	68.12041016
235.10707		0	0	54.87705653
234.19528		0	194.8235321	495.1619256
234.13912	5-Fluoro-2-(3-piperidinylmethyl)-1H-benzimidazole	0	0	77.62532169
234.12628		0	161.1568634	0
234.11541		0	23.50021973	0
234.07587		0	18.01717987	262.8170094
232.18049		0	0	281.9369026
232.12574		0	125.6770538	0
231.10078	Naproxen	0	28.72333069	71.84923598
230.94429		0	29.9588562	0
229.93721		0	164.5041504	743.9376149
229.19801		0	22.75055542	0
229.12647		0	44.99464722	0
229.06305		0	0	350.8121209
228.1953		0	23.22699585	7749.251947
228.18042		0	552.6624603	249.085903
228.16979		0	59.00294189	99.45443474
228.1572		0	0	299.8917165
228.13307		0	0	39.03225816
228.11952		0	0	62.61335593
227.15221		0	2090.021277	0
227.13944		0	115.6396606	0
226.17819		0	72.40301819	6801.128234
226.13901	2-Aminoethyl diphenylborinate	0	0	124.8525965
226.11865		0	66.87657471	2605.446829
226.10029		0	0	0
226.07481		0	0	28.65804515
226.06203		0	49.06582947	281.2335018
225.19546	1,3-Dicyclohexylurea	0	0	964.7557158
225.12225	Butalbital	0	0	102.330779
224.14269		0	0	46.07969612
223.12156		0	59.97197876	0
222.19376		0	662.3526611	63.54044118
222.12198		0	781.3667145	0
222.0912		0	149.7250595	581.0399184
222.07443		0	138.0310257	355.4190257
221.20115		0	0	389.793503
221.16857		0	0	0
220.09423	[2-Isopropoxy-5-(trifluoromethyl)phenyl]amine	0	0	274.8942814
219.11563	NPA002277	0	417.7503754	0
218.08384		0	21.42279205	437.315197
218.06874		0	0	56.94456572
218.05812	Salsolinol	0	0	58.91789407
217.03282	4-Bromo-1-Isopentylpyrazole	0	263.0109711	547.8322208
216.12581		0	0	348.8155676
216.11092		0	26.40653076	77.4771829
216.06756		0	0	122.6529182
215.11759	1-hydroxytacrine	0	0	254.5037511

214.97109	NPA014244	0	18.98075867	251.4897576
214.84883		0	22.90255737	0
214.08544		0	28.65037537	0
214.05428		0	14.51885986	0
213.1698		0	36.75588989	0
213.11772		0	437.9509918	37.35750517
213.10677		0	70.97111511	0
212.85127		0	50.37207184	240.1836282
212.10632		0	0	49.89306641
211.14804		0	138.9670227	0
211.10633		0	0	633.2443618
210.11454		0	0	110.8068187
208.11623		0	0	25.22806756
207.18505	N1-Benzyl-N2,N2-diethyl-1,2-ethanediamine	0	0	60.80390051
205.16847		0	424.75755	355.9834157
205.13418	Bufotenin	0	0	285.0481905
205.11522		0	26.38710632	0
205.10223		0	26.11211853	0
204.05653		0	28.88540039	400.0047277
203.08474	Fluoranthene	0	328.428476	0
203.06191	3-(Difluoromethoxy)benzohydrazide	0	0	22.87832893
201.10255		0	0	820.6786994
200.06357		0	0	97.14256664
199.0833	5-Acetylamino-6-amino-3-methyluracil	0	0	40.94643555
199.07283		0	0	60.04954619
199.0374	NPA007814	0	23.38922729	0
197.07234		0	0	35.69850069
196.87762		0	0	27.17380227
196.11176		0	159.7872879	413.1004768
195.14957	NPA005833	0	109.022641	980.3476333
195.11259	NPA024927	0	110.8114029	0
192.0893		0	150.8973938	318.2104148
190.91433	NPA001471	0	97.18795166	113.2086052
190.91107		0	442.3315674	762.3710133
190.13181		0	20.39496155	0
187.06288	3-(Chloromethyl)-5-cyclopentyl-1,2,4-oxadiazole	0	0	31.99801815
186.09464		0	0	132.4642061
183.09587	4-Cyclohexyl-1,3-thiazol-2-ylamine	0	0	62.25955882
179.15387	NPA008252	0	0	568.683634
179.14319	Propofol	0	0	103.7118681
177.13847	3-Methyl-4-pyrrolidin-1-ylaniline	0	777.9123627	2215.437644
176.06372		0	0	94.40330308
174.11818		0	21.24253082	0
170.06053	DL-2-Fluorophenylglycine	0	18.68054962	99.5904383
169.07599		0	0	47.11874713
165.13866	NPA001036	0	37.78055115	3342.01196
165.09994		0	553.2497345	71.88541475
160.07573	Indoleacetaldehyde	0	0	47.22524127
112.89633	Selenium Sulfide	0	0	42.83951919
112.89611	Selenium Sulfide	0	0	100.6323529