

Supplementary Table 1. Proteins identified by LC–MS/MS.

Protein group	Protein ID	Accession	-10lgP	Coverage (%)	Coverage (%) D	Coverage (%) F	Area D	Area F	#Peptides	#Unique	#Spec D	#Spec F	PTM	Avg. Mass	Description
2	74	A0A9P5GEV8 A0A9P5GEV8_PENCR	761.74	55	55	54	5.5239E6	3.2945E6	63	62	528	423	Y	106488	Alpha-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000440 PE=3 SV=1
12	1	A0A9P5L8B0 A0A9P5L8B0_PENCR	702.54	90	90	17	2.207E6	2.5449E2	58	58	335	11	Y	61796	Heat shock protein 60 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004934 PE=3 SV=1
1	7	A0A9P5KY11 A0A9P5KY11_PENCR	682.89	77	77	77	8.9163E6	9.4099E6	43	43	467	615	Y	52923	Peptide hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002646 PE=3 SV=1
3	122	A0A9P5KZH7 A0A9P5KZH7_PENCR	678.40	62	55	62	4.5013E6	5.3885E6	32	32	359	480	Y	61290	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000459 PE=3 SV=1
31	14	A0A9P5GFH7 A0A9P5GFH7_PENCR	658.93	74	74	62	9.3341E5	2.0566E5	35	31	151	88	Y	53825	Aldehyde dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010403 PE=3 SV=1
61	31	A0A9P5GEZ1 A0A9P5GEZ1_PENCR	650.26	73	73	35	4.2291E5	3.3989E4	44	44	118	38	Y	92592	Histidine biosynthesis trifunctional protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010705 PE=3 SV=1
8	61	A0A9P5GHK8 A0A9P5GHK8_PENCR	650.24	55	55	45	3.5923E6	1.6607E5	43	43	303	93	Y	80430	Dipeptidyl-peptidase V OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009010 PE=3 SV=1
4	203	A0A9P5KZN8 A0A9P5KZN8_PENCR	649.43	83	83	82	5.1782E6	1.8453E6	33	33	426	260	Y	34293	glucan 1,3-beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006723 PE=3 SV=1
28	3	A0A9P5L4L5 A0A9P5L4L5_PENCR	647.76	81	71	74	3.5811E5	1.4317E5	59	59	133	113	Y	78380	Dipeptidyl peptidase 3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004345 PE=3 SV=1
5	123	A0A9P5GMG6 A0A9P5GMG6_PENCR	644.11	58	57	58	2.902E6	3.8112E6	31	31	225	349	Y	53913	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007651 PE=3 SV=1
9	23	A0A9P5L0F5 A0A9P5L0F5_PENCR	633.49	68	64	64	8.1211E5	5.3058E5	67	67	206	183	Y	98698	Aminopeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005620 PE=3 SV=1
35	9	A0A9P5GP99 A0A9P5GP99_PENCR	633.43	74	74	61	6.2161E5	5.4148E4	45	45	160	67	Y	67596	Probable Xaa-Pro aminopeptidase P OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004917 PE=3 SV=1

22	28	A0A9P5KYA5 A0A9P5KYA5_PENCR	631.42	73	73	63	1.4429E6	3.7905E5	31	27	172	101	Y	53532	Aldehyde dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002052 PE=3 SV=1
32	36	A0A9P5GEL3 A0A9P5GEL3_PENCR	609.84	67	61	55	4.9805E5	2.4655E5	45	45	133	105	Y	69918	Leukotriene A(4) hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003141 PE=3 SV=1
16	359	A0A9P5L1K9 A0A9P5L1K9_PENCR	607.94	48	48	40	1.5282E6	2.1602E6	22	22	134	186	Y	67981	Glucoamylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008212 PE=3 SV=1
10	290	A0A9P5KX09 A0A9P5KX09_PENCR	605.19	44	44	44	1.7416E6	2.3079E6	20	19	152	226	Y	66516	alpha-amylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008211 PE=3 SV=1
24	22	A0A9P5GR64 A0A9P5GR64_PENCR	602.86	73	70	72	5.1931E5	2.1589E5	42	42	151	121	Y	75080	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008914 PE=3 SV=1
18	30	A0A9P5L2J1 A0A9P5L2J1_PENCR	602.15	67	66	65	6.5729E5	2.8185E5	58	58	175	130	Y	85881	5-methyltetrahydropteroyltriglutamate--homocysteine S-methyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008331 PE=3 SV=1
11	448	A0A9P5L0A2 A0A9P5L0A2_PENCR	601.80	74	74	62	6.0576E6	1.914E5	20	20	309	52	Y	32769	Fungal lipase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000668 PE=4 SV=1
19	337	A0A9P5GC30 A0A9P5GC30_PENCR	598.91	71	71	63	2.2496E6	6.0433E5	24	24	203	91	Y	36257	Glycosyl hydrolase family 13 catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002102 PE=3 SV=1
34	25	A0A9P5GFT3 A0A9P5GFT3_PENCR	597.24	75	75	56	1.2612E6	8.7025E4	37	37	183	52	Y	55564	6-phosphogluconate dehydrogenase, decarboxylating OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009677 PE=3 SV=1
48	72	A0A9P5GM30 A0A9P5GM30_PENCR	596.35	49	47	37	4.0865E5	3.925E4	52	51	136	61	Y	94484	beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007727 PE=3 SV=1
44	21	A0A9P5GR09 A0A9P5GR09_PENCR	596.32	74	73	65	3.7403E5	8.9417E4	43	43	126	78	Y	60347	phosphoglucomutase (alpha-D-glucose-1,6-bisphosphate-dependent) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003468 PE=3 SV=1
43	50	A0A9P5GAZ4 A0A9P5GAZ4_PENCR	595.88	62	51	61	5.3647E5	2.3757E5	32	32	116	91	Y	51368	Probable Xaa-Pro aminopeptidase PEPP OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004055 PE=3 SV=1
26	15	A0A9P5L2V7 A0A9P5L2V7_PENCR	591.49	77	75	66	5.5371E5	2.2849E5	53	53	155	114	Y	58302	Glucose-6-phosphate 1-dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007920 PE=3 SV=1

14	170	A0A9P5L500 A0A9P5L500_PENCR	591.49	74	74	65	2.0552E6	7.1962E4	27	27	275	53	Y	35320	Beta-xylanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004002 PE=3 SV=1
68	13	A0A9P5GIJ7 A0A9P5GIJ7_PENCR	583.49	72	72	10	3.4578E5	7.7625E3	59	59	139	9	Y	90307	Cell division control protein 48 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008603 PE=4 SV=1
23	32	A0A9P5GFX7 A0A9P5GFX7_PENCR	583.05	61	54	58	3.2115E5	3.0859E5	60	60	141	131	Y	101719	Aminopeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009510 PE=3 SV=1
25	43	A0A9P5GPW2 A0A9P5GPW2_PENCR	578.90	63	63	52	1.2897E6	2.042E5	36	36	186	84	Y	48945	Adenosylhomocysteinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001944 PE=3 SV=1
30	56	A0A9P5GH41 A0A9P5GH41_PENCR	578.15	54	54	32	7.1664E5	7.2606E4	49	49	189	52	Y	79539	Histidine kinase/HSP90-like ATPase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006982 PE=3 SV=1
37	219	A0A9P5GNN8 A0A9P5GNN8_PENCR	578.08	72	72	71	1.2014E6	2.4248E5	27	27	141	75	Y	39212	Fructose-bisphosphate aldolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003490 PE=3 SV=1
94	39	A0A9P5GH59 A0A9P5GH59_PENCR	574.71	61	61	24	5.4177E5	1.7697E4	27	27	111	21	Y	57928	fumarate hydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010572 PE=3 SV=1
39	567	A0A9P5GCI5 A0A9P5GCI5_PENCR	573.45	66	66	63	1.1203E6	7.8479E5	16	16	110	103	Y	29435	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002127 PE=4 SV=1
15	42	A0A9P5L530 A0A9P5L530_PENCR	572.71	57	54	57	1.343E6	1.0732E6	29	29	165	156	Y	68391	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005217 PE=3 SV=1
13	172	A0A9P5GWM5 A0A9P5GWM5_PENCR	571.82	55	49	54	1.3326E6	1.9357E6	24	24	140	205	Y	59883	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000899 PE=3 SV=1
60	98	A0A9P5L536 A0A9P5L536_PENCR	568.83	35	35	29	7.0512E5	5.4483E4	28	28	115	41	Y	88506	Probable beta-glucosidase G OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004869 PE=3 SV=1
150	103	A0A9P5GQC7 A0A9P5GQC7_PENCR	567.62	27	26	10	7.5371E4	2.5189E4	37	37	64	21	Y	189754	Clathrin heavy chain OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005686 PE=3 SV=1
71	4	A0A9P5GD60 A0A9P5GD60_PENCR	565.97	89	89	79	3.9421E5	1.57E5	28	28	78	70	Y	43287	Diphosphomevalonate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001796 PE=3 SV=1
88	238	A0A9P5GPC9 A0A9P5GPC9_PENCR	562.71	81	81	67	4.0055E5	6.0082E4	21	19	96	39	Y	35737	Malate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002528 PE=3 SV=1
93	6	A0A9P5KWA0 A0A9P5KWA0_PENCR	561.78	81	81	42	3.6023E5	6.6236E4	33	32	101	32	Y	54146	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002954 PE=3 SV=1

138	35	A0A9P5GG99 A0A9P5GG99_PENCR	558.76	67	67	19	1.3261E5	4.6106E3	38	38	82	12	Y	56376	Protein disulfide-isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001132 PE=3 SV=1
126	10	A0A9P5GPH7 A0A9P5GPH7_PENCR	557.34	73	73	0	2.2828E5		27	26	98	0	Y	45595	acetyl-CoA C-acetyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006839 PE=3 SV=1
17	427	A0A9P5GV93 A0A9P5GV93_PENCR	556.77	47	47	41	3.2596E6	8.0316E4	26	26	260	47	Y	42055	FAD/NAD(P)-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003754 PE=3 SV=1
52	26	A0A9P5G9N8 A0A9P5G9N8_PENCR	555.76	67	67	58	4.607E5	8.247E4	39	39	122	58	Y	54291	Dihydrolipoyl dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003191 PE=3 SV=1
7	70	A0A9P5GFV9 A0A9P5GFV9_PENCR	554.23	52	45	51	2.4329E6	7.6138E5	30	30	245	152	Y	62822	Amidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010108 PE=4 SV=1
69	20	A0A9P5GSU0 A0A9P5GSU0_PENCR	549.43	75	71	59	3.5972E5	2.9617E4	38	38	107	41	Y	55907	2-methylcitrate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000888 PE=3 SV=1
57	115	A0A9P5L3X5 A0A9P5L3X5_PENCR	548.66	64	64	49	7.1043E5	4.365E4	32	32	118	41	Y	46922	chitinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005215 PE=3 SV=1
86	93	A0A9P5GHB4 A0A9P5GHB4_PENCR	544.05	35	35	27	2.7602E5	9.6287E4	28	27	76	60	Y	101938	Rhamnogalacturonase A/B/Epimerase-like pectate lyase domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001079 PE=4 SV=1
116	2	A0A9P5GC43 A0A9P5GC43_PENCR	543.11	81	74	65	1.6961E5	2.1281E4	32	32	77	32	Y	52322	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002479 PE=3 SV=1
55	150	A0A9P5L0V8 A0A9P5L0V8_PENCR	540.22	73	73	62	5.3238E5	1.6704E5	23	23	104	68	Y	43678	chitinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005203 PE=3 SV=1
107	116	A0A9P5GKG9 A0A9P5GKG9_PENCR	539.41	61	61	46	4.4572E5	2.5908E4	25	25	91	26	Y	46604	Aspartate aminotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007023 PE=3 SV=1
40	8	A0A9P5GTU5 A0A9P5GTU5_PENCR	539.32	80	80	57	7.084E5	2.396E5	31	31	129	81	Y	45786	4-hydroxyphenylpyruvate dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006131 PE=3 SV=1
92	18	A0A9P5GGE2 A0A9P5GGE2_PENCR	538.80	68	56	62	1.3992E5	9.1481E4	38	38	62	71	Y	68112	Glycosyl hydrolase family 13 catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007560 PE=3 SV=1
51	45	A0A9P5L403 A0A9P5L403_PENCR	538.06	61	61	58	3.2264E5	1.8471E5	29	29	99	82	Y	61236	Glucose-6-phosphate isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006510 PE=3 SV=1

20	435	A0A9P5GRU9 A0A9P5GRU9_PENCR	536.06	47	47	47	1.3504E6	1.143E6	16	15	145	146	Y	43841	Glycosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005422 PE=3 SV=1
72	390	A0A9P5L591 A0A9P5L591_PENCR	534.85	48	44	48	2.7713E5	5.6423E5	17	17	57	88	Y	43476	penicillopepsin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005189 PE=3 SV=1
91	136	A0A9P5GLG6 A0A9P5GLG6_PENCR	533.03	87	82	65	3.479E5	2.8833E4	27	27	102	31	Y	32592	Inorganic pyrophosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004022 PE=3 SV=1
66	161	A0A9P5GGE8 A0A9P5GGE8_PENCR	531.68	60	60	45	4.9502E5	1.5809E4	29	29	116	34	Y	52855	Peptidase M20 dimerisation domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000577 PE=3 SV=1
82	44	A0A9P5L0R8 A0A9P5L0R8_PENCR	530.91	58	57	26	2.5637E5	4.4172E4	47	47	99	39	Y	93803	Elongation factor 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009274 PE=4 SV=1
76	73	A0A9P5KZ67 A0A9P5KZ67_PENCR	529.60	53	52	48	3.7886E5	2.991E4	31	28	90	51	Y	75409	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002116 PE=3 SV=1
58	196	A0A9P5GSC8 A0A9P5GSC8_PENCR	529.29	63	63	59	3.7823E5	2.4451E5	20	20	92	67	Y	41390	Endo-polygalacturonase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000889 PE=3 SV=1
46	245	A0A9P5GHU9 A0A9P5GHU9_PENCR	528.63	86	86	72	5.8118E5	1.9108E5	30	27	117	82	Y	29186	14-3-3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008939 PE=3 SV=1
38	159	A0A9P5GP33 A0A9P5GP33_PENCR	527.89	65	65	50	8.2003E5	2.6493E5	30	30	126	89	Y	45482	Formate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007259 PE=3 SV=1
53	499	A0A9P5L8F7 A0A9P5L8F7_PENCR	527.16	41	41	41	5.3699E5	5.9654E5	14	14	73	103	Y	41033	6-phosphogluconolactonase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005070 PE=3 SV=1
159	187	A0A9P5KYN4 A0A9P5KYN4_PENCR	527.07	80	80	24	3.2225E5	1.1978E3	28	28	78	6	Y	27619	Proteasome subunit alpha type OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005201 PE=3 SV=1
50	208	A0A9P5GI50 A0A9P5GI50_PENCR	526.76	65	65	61	8.4141E5	9.3844E4	23	23	127	58	Y	35253	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009965 PE=4 SV=1
120	34	A0A9P5GC91 A0A9P5GC91_PENCR	525.58	71	71	44	2.4583E5	2.2909E4	28	28	78	26	Y	45934	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002410 PE=3 SV=1
33	408	A0A9P5L3D6 A0A9P5L3D6_PENCR	524.62	67	67	61	1.888E6	4.3427E4	26	26	201	35	Y	28101	Polysaccharide lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007269 PE=4 SV=1
109	128	A0A9P5GNH6 A0A9P5GNH6_PENCR	523.53	45	45	35	3.5331E5	3.26E4	22	22	82	34	Y	68857	Sphingomyelin phosphodiesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005362 PE=3 SV=1

128	140	A0A9P5KXN4 A0A9P5KXN4_PENCR	523.10	56	50	43	2.3003E5	3.4257E4	24	24	65	32	Y	51633	Aminomethyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006676 PE=3 SV=1
73	29	A0A9P5L223 A0A9P5L223_PENCR	522.86	74	69	53	2.745E5	3.7885E4	33	30	99	45	Y	55888	methylmalonate-semialdehyde dehydrogenase (CoA acylating) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008737 PE=3 SV=1
42	137	A0A9P5GSN4 A0A9P5GSN4_PENCR	522.11	82	82	34	2.0477E6	8.6984E3	26	26	189	18	Y	32347	pyridoxal 5'-phosphate synthase (glutamine hydrolyzing) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004919 PE=3 SV=1
78	110	A0A9P5GEK6 A0A9P5GEK6_PENCR	519.80	97	97	60	7.0432E5	2.0233E4	28	28	116	25	Y	34968	Guanine nucleotide-binding protein subunit beta-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010492 PE=3 SV=1
191	24	A0A9P5GEW8 A0A9P5GEW8_PENCR	519.58	55	55	22	1.3263E5	1.4429E3	28	28	62	9	Y	59692	Isocitrate lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010356 PE=3 SV=1
83	19	A0A9P5GU43 A0A9P5GU43_PENCR	518.33	54	54	33	3.2419E5	1.4234E4	30	30	108	30	Y	52549	Succinyl-CoA:3-ketoacid-coenzyme A transferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007930 PE=3 SV=1
54	68	A0A9P5GSK6 A0A9P5GSK6_PENCR	518.24	44	41	42	1.9037E5	1.9752E5	35	35	80	93	Y	84536	Eukaryotic translation initiation factor 3 subunit B OS= <i>Penicillium crustosum</i> OX=36656 GN=PRT1 PE=3 SV=1
156	107	A0A9P5KXS8 A0A9P5KXS8_PENCR	517.74	33	31	25	9.3468E4	2.3277E4	26	25	53	31	Y	109212	alpha-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003183 PE=3 SV=1
67	151	A0A9P5G9S7 A0A9P5G9S7_PENCR	517.60	65	55	64	2.9996E5	3.0197E5	24	24	72	78	Y	51062	Kynureninase OS= <i>Penicillium crustosum</i> OX=36656 GN=BNA5 PE=3 SV=1
131	113	A0A9P5GBA6 A0A9P5GBA6_PENCR	514.78	73	73	36	2.853E5	3.6627E3	26	26	85	12	Y	47193	O-acetylhomoserine (Thiol)-lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000846 PE=3 SV=1
103	447	A0A9P5GFQ4 A0A9P5GFQ4_PENCR	514.37	51	51	39	4.7553E5	7.5204E4	15	15	81	41	Y	38954	pectin lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010109 PE=3 SV=1
178	55	A0A9P5L8Z0 A0A9P5L8Z0_PENCR	513.41	51	51	9	1.4515E5	1.4998E3	31	31	70	7	Y	65907	Isocitrate lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003773 PE=3 SV=1
199	60	A0A9P5GMS7 A0A9P5GMS7_PENCR	512.59	44	44	9	6.0968E4	8.2739E2	42	42	58	10	Y	116345	Presequence protease, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005704 PE=3 SV=1
184	62	A0A9P5GTS7 A0A9P5GTS7_PENCR	512.36	55	55	38	1.053E5	1.5531E4	26	26	50	24	Y	54903	alanine transaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006100 PE=3 SV=1
41	156	A0A9P5GPR6 A0A9P5GPR6_PENCR	511.44	36	35	31	5.6602E5	7.5158E5	23	23	86	124	Y	92224	Extracellular serine-rich protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003787 PE=4 SV=1

62	49	A0A9P5GTU7 A0A9P5GTU7_PENCR	511.28	57	57	34	5.1638E5	1.6724E4	29	29	124	32	Y	56613	UDP-galactopyranose mutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003510 PE=4 SV=1
70	53	A0A9P5GGZ3 A0A9P5GGZ3_PENCR	510.72	52	52	26	2.9917E5	5.8785E4	39	37	107	41	Y	69720	Heat shock 70 kDa protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009503 PE=3 SV=1
114	222	A0A9P5GDE7 A0A9P5GDE7_PENCR	510.44	52	52	36	4.094E5	2.07E4	27	27	87	23	Y	38120	NADP-dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003907 PE=4 SV=1
99	217	A0A9P5GFX4 A0A9P5GFX4_PENCR	508.93	87	72	87	2.9317E5	3.474E5	19	19	56	69	Y	26064	Orotate phosphoribosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001316 PE=3 SV=1
89	12	A0A9P5L174 A0A9P5L174_PENCR	507.09	60	60	44	1.0544E5	3.3202E4	40	40	85	49	Y	73245	glutamine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007134 PE=3 SV=1
21	412	A0A9P5GDU0 A0A9P5GDU0_PENCR	506.61	50	50	44	2.1959E6	7.3055E5	21	21	165	118	Y	45083	SUN OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001355 PE=3 SV=1
96	66	A0A9P5GAV2 A0A9P5GAV2_PENCR	506.25	54	52	33	1.9863E5	3.5432E4	41	41	89	41	Y	82472	Catalase-peroxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=katG PE=3 SV=1
45	16	A0A9P5GL50 A0A9P5GL50_PENCR	506.05	69	69	57	7.3279E5	6.3227E4	43	43	145	54	Y	46382	Isocitrate dehydrogenase [NADP] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007899 PE=3 SV=1
125	129	A0A9P5GNM2 A0A9P5GNM2_PENCR	505.03	47	47	26	3.0749E5	9.5381E3	26	26	81	18	Y	63860	Pyruvate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003460 PE=3 SV=1
162	138	A0A9P5GN48 A0A9P5GN48_PENCR	504.95	58	58	41	6.5465E4	1.5092E4	28	28	55	28	Y	48310	phosphoserine transaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007245 PE=3 SV=1
217	41	A0A9P5GN75 A0A9P5GN75_PENCR	504.36	57	57	4	1.0618E5	5.8102E2	27	27	61	2	Y	59793	Glucose-methanol-choline oxidoreductase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004176 PE=3 SV=1
105	363	A0A9P5GH47 A0A9P5GH47_PENCR	504.19	50	42	48	1.7747E5	3.0892E5	13	13	52	69	Y	49505	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009679 PE=4 SV=1
79	181	A0A9P5GPS1 A0A9P5GPS1_PENCR	504.02	70	64	63	5.2928E5	2.8245E5	22	22	80	60	Y	36414	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008031 PE=4 SV=1
90	270	A0A9P5GC15 A0A9P5GC15_PENCR	503.10	61	61	53	3.2316E5	2.0437E5	17	17	73	61	Y	43796	SMP-30/Gluconolactonase/LRE-like region domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002306 PE=4 SV=1

127	87	A0A9P5GNU2 A0A9P5GNU2_PENCR	502.74	43	32	41	6.478E4	1.2784E5	23	23	38	60	Y	75528	Glutaminase GtaA OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005251 PE=4 SV=1
115	5	A0A9P5GUX8 A0A9P5GUX8_PENCR	502.15	77	77	16	4.2445E5	9.9084E2	25	25	102	7	Y	50277	homogentisate 1,2-dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006133 PE=3 SV=1
158	37	A0A9P5GJC4 A0A9P5GJC4_PENCR	500.77	70	70	32	1.2276E5	3.7188E3	32	32	68	16	Y	49727	Glutamate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005340 PE=3 SV=1
101	78	A0A9P5GQ22 A0A9P5GQ22_PENCR	499.99	49	49	32	1.6955E5	4.2652E4	31	31	72	50	Y	70217	2-isopropylmalate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005425 PE=3 SV=1
112	63	A0A9P5L011 A0A9P5L011_PENCR	499.21	50	50	48	1.4632E5	1.4162E5	26	26	51	62	Y	62416	Glutathione hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010156 PE=4 SV=1
29	111	A0A9P5KV68 A0A9P5KV68_PENCR	497.67	77	77	76	1.3341E6	4.9153E5	29	29	140	102	Y	35467	Transaldolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003003 PE=3 SV=1
84	54	A0A9P5GUN8 A0A9P5GUN8_PENCR	495.54	47	41	40	1.4612E5	5.1518E4	38	38	77	60	Y	81282	Peptidase M3A/M3B catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002548 PE=3 SV=1
141	80	A0A9P5GL05 A0A9P5GL05_PENCR	495.37	43	43	10	2.6754E5	3.7064E3	28	28	82	7	Y	79782	Catalase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006590 PE=3 SV=1
195	92	A0A9P5GHH2 A0A9P5GHH2_PENCR	494.98	40	40	7	8.5244E4	2.0925E3	33	33	61	9	Y	115229	Glycine cleavage system P protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006612 PE=3 SV=1
27	11	A0A9P5GME0 A0A9P5GME0_PENCR	492.87	76	76	72	9.1212E5	4.5495E5	29	29	137	118	Y	43838	Branched-chain-amino-acid aminotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004596 PE=3 SV=1
111	124	A0A9P5GFS5 A0A9P5GFS5_PENCR	488.04	52	35	52	6.4159E4	1.2094E5	22	22	40	75	Y	54291	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010284 PE=3 SV=1
137	38	A0A9P5GTC7 A0A9P5GTC7_PENCR	487.22	58	58	42	1.6103E5	1.3906E4	25	25	66	28	Y	52949	aspartyl aminopeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003996 PE=3 SV=1
47	289	A0A9P5GJH7 A0A9P5GJH7_PENCR	485.73	60	60	51	7.9089E5	4.1512E5	19	19	111	87	Y	41893	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007828 PE=3 SV=1
87	317	A0A9P5GUT6 A0A9P5GUT6_PENCR	484.59	58	58	54	2.657E5	8.1994E4	20	20	80	56	Y	36074	Lactoylglutathione lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006072 PE=3 SV=1
249	299	A0A9P5L6V1 A0A9P5L6V1_PENCR	483.90	73	73	0	1.3968E5		19	19	56	0	Y	29946	Proteasome subunit alpha type OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002541 PE=3 SV=1

85	97	A0A9P5GBQ6 A0A9P5GBQ6_PENCR	483.67	43	30	42	8.2495E4	2.8929E5	28	28	40	97	Y	78234	Probable beta-glucosidase L OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002624 PE=3 SV=1
81	292	A0A9P5L499 A0A9P5L499_PENCR	483.02	53	45	53	2.0457E5	3.4423E5	17	17	59	81	Y	51667	glucan 1,4-alpha-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004638 PE=3 SV=1
122	76	A0A9P5GG31 A0A9P5GG31_PENCR	480.77	42	39	27	2.08E5	5.0399E3	32	32	76	24	Y	85349	Aconitate hydratase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007664 PE=3 SV=1
6	485	A0A9P5GIM2 A0A9P5GIM2_PENCR	480.32	97	97	92	3.0146E6	2.2787E6	18	18	217	189	Y	16635	Nucleoside diphosphate kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008253 PE=3 SV=1
167	59	A0A9P5GV49 A0A9P5GV49_PENCR	479.94	48	42	28	6.8059E4	7.8211E3	41	41	60	21	Y	101834	Alpha-1,4 glucan phosphorylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000403 PE=3 SV=1
175	82	A0A9P5GFR5 A0A9P5GFR5_PENCR	479.75	37	37	20	1.7449E5	4.9509E4	25	25	55	23	Y	64645	Gamma-glutamyltranspeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010364 PE=4 SV=1
77	64	A0A9P5GES9 A0A9P5GES9_PENCR	478.83	52	52	43	2.2141E5	9.8356E4	28	28	79	62	Y	59526	Glutathione reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008542 PE=3 SV=1
336	188	A0A9P5KWI2 A0A9P5KWI2_PENCR	477.95	71	71	3	7.3729E4	0	17	17	38	1	Y	37085	alcohol dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002053 PE=3 SV=1
108	285	A0A9P5GJF3 A0A9P5GJF3_PENCR	477.24	46	39	46	2.3561E5	3.0958E5	15	15	47	70	Y	49939	Phosphoesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006749 PE=4 SV=1
97	171	A0A9P5GL91 A0A9P5GL91_PENCR	476.87	74	46	72	1.7001E5	2.6816E5	21	21	49	81	Y	43266	6-phosphogluconolactonase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004147 PE=3 SV=1
170	69	A0A9P5GK77 A0A9P5GK77_PENCR	476.30	49	49	32	1.8115E5	1.172E4	25	24	61	19	Y	52895	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007508 PE=4 SV=1
74	169	A0A9P5L0E8 A0A9P5L0E8_PENCR	475.07	87	87	78	6.5899E5	2.183E5	21	21	86	58	Y	33577	Pectinesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000890 PE=3 SV=1
95	204	A0A9P5GPH2 A0A9P5GPH2_PENCR	474.29	56	56	48	3.1002E5	8.7899E4	21	21	80	51	Y	45688	Branched-chain-amino-acid aminotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004343 PE=3 SV=1
233	209	A0A9P5GVX4 A0A9P5GVX4_PENCR	474.03	66	66	26	1.2736E5	7.3415E3	19	19	47	12	Y	36685	ATP phosphoribosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000040 PE=3 SV=1
148	166	A0A9P5L0K5 A0A9P5L0K5_PENCR	473.44	41	38	32	6.4103E4	8.1069E4	20	20	37	49	Y	56550	alpha-1,2-Mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010710 PE=3 SV=1

177	127	A0A9P5GE82 A0A9P5GE82_PENCR	472.81	46	45	33	1.1412E5	3.5867E4	22	22	51	26	Y	65728	Coronin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000553 PE=3 SV=1
207	17	A0A9P5GM71 A0A9P5GM71_PENCR	472.42	64	64	20	9.4652E4	1.368E3	26	26	55	11	Y	51777	Arginosuccinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003799 PE=3 SV=1
226	52	A0A9P5GSP4 A0A9P5GSP4_PENCR	470.97	53	53	10	1.1511E5	3.2885E3	32	32	56	5	Y	71492	ATP citrate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001379 PE=4 SV=1
56	697	A0A9P5KYR2 A0A9P5KYR2_PENCR	469.95	35	35	32	5.8408E5	7.5526E5	14	14	84	83	Y	37600	Nuclease PA3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001349 PE=3 SV=1
163	178	A0A9P5GKQ1 A0A9P5GKQ1_PENCR	469.29	53	53	38	2.6405E5	5.3361E4	22	22	56	27	Y	45774	Aminotransferase class I/classII large domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006533 PE=3 SV=1
98	250	A0A9P5GYM0 A0A9P5GYM0_PENCR	468.96	84	77	55	3.3762E5	1.2473E5	24	21	76	51	Y	31398	14-3-3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007203 PE=3 SV=1
202	315	A0A9P5GKD5 A0A9P5GKD5_PENCR	468.68	66	66	66	9.3196E4	4.8655E4	18	18	34	34	Y	37936	endo-polygalacturonase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004567 PE=3 SV=1
257	143	A0A9P5LOT6 A0A9P5LOT6_PENCR	467.85	45	45	17	5.0503E4	4.0686E2	20	17	42	12	Y	62768	methylmalonate-semialdehyde dehydrogenase (CoA acylating) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010520 PE=3 SV=1
237	114	A0A9P5GN20 A0A9P5GN20_PENCR	467.35	47	47	14	1.225E5	1.173E3	21	21	51	7	Y	57870	Succinate-semialdehyde dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005744 PE=3 SV=1
228	86	A0A9P5GNK1 A0A9P5GNK1_PENCR	466.05	36	36	2	5.7451E4	4.7161E2	36	33	58	2	Y	138215	5-oxo-L-prolinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006825 PE=3 SV=1
36	1126	A0A9P5GJN0 A0A9P5GJN0_PENCR	465.69	82	82	56	3.337E6	5.1499E4	8	8	213	12	Y	15215	Small secreted protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007346 PE=4 SV=1
140	99	A0A9P5KZA1 A0A9P5KZA1_PENCR	465.43	37	22	36	5.1053E4	3.0066E4	27	26	40	50	Y	93831	beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004275 PE=3 SV=1
121	141	A0A9P5KZ03 A0A9P5KZ03_PENCR	465.36	56	56	41	3.549E5	5.6549E4	24	24	72	32	Y	42650	Mannitol-1-phosphate 5-dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004621 PE=3 SV=1
270	191	A0A9P5L5P3 A0A9P5L5P3_PENCR	464.72	38	36	8	7.0323E4	4.9034E2	18	18	48	3	Y	58913	Aminotransferase class I/classII large domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004197 PE=3 SV=1
346	108	A0A9P5GPN0 A0A9P5GPN0_PENCR	464.41	24	24	0	3.2799E4		23	23	37	0	Y	154910	Alpha-aminoadipate reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002270 PE=3 SV=1

157	294	A0A9P5GFU1 A0A9P5GFU1_PENCR	464.29	68	68	4	2.7235E5	3.2844E2	23	23	83	1	Y	31111	Proteasome subunit alpha type OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000985 PE=3 SV=1
129	71	A0A9P5L1Y8 A0A9P5L1Y8_PENCR	463.80	44	43	25	6.3114E4	8.6583E3	32	29	67	30	Y	77257	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003293 PE=3 SV=1
285	243	A0A9P5GNJ9 A0A9P5GNJ9_PENCR	463.54	60	60	24	9.4641E4	1.0621E4	18	18	34	13	Y	42425	peptidylprolyl isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003888 PE=3 SV=1
153	77	A0A9P5GKD9 A0A9P5GKD9_PENCR	463.34	49	47	36	6.5357E4	1.4283E4	28	28	49	36	Y	63254	Xylulose kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006973 PE=3 SV=1
64	149	A0A9P5GI39 A0A9P5GI39_PENCR	462.82	72	69	69	1.6195E5	1.9935E5	26	26	70	82	Y	38917	GST C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006240 PE=4 SV=1
252	75	A0A9P5KXV5 A0A9P5KXV5_PENCR	462.17	49	49	7	1.0176E5	2.2407E2	25	25	51	4	Y	64030	Sulfate adenylyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=MET3 PE=3 SV=1
133	347	A0A9P5GLD3 A0A9P5GLD3_PENCR	461.81	66	66	58	2.2173E5	1.2806E5	15	15	54	43	Y	32205	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006433 PE=4 SV=1
146	327	A0A9P5L0J1 A0A9P5L0J1_PENCR	460.98	45	33	45	1.5644E5	2.0247E5	19	19	39	49	Y	51434	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010748 PE=3 SV=1
243	334	A0A9P5GIN3 A0A9P5GIN3_PENCR	460.82	57	57	28	1.4165E5	8.8785E3	16	16	43	13	Y	38002	Allantoicase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009979 PE=3 SV=1
135	51	A0A9P5L641 A0A9P5L641_PENCR	460.74	54	49	50	1.7427E5	2.5585E4	24	24	65	30	Y	50969	Citrate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000906 PE=3 SV=1
283	206	A0A9P5GKY5 A0A9P5GKY5_PENCR	459.80	60	60	23	1.6183E5	9.891E3	16	16	34	13	Y	35958	Activator of Hsp90 ATPase AHSA1-like N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001723 PE=3 SV=1
204	717	A0A9P5KVN3 A0A9P5KVN3_PENCR	459.00	24	24	21	2.2382E5	2.0888E5	9	9	34	33	Y	49087	Probable glucan endo-1,3-beta-glucosidase eglC OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001306 PE=3 SV=1
227	40	A0A9P5GP78 A0A9P5GP78_PENCR	457.39	67	67	17	2.1222E5	3.2054E3	30	30	51	10	Y	65235	MGS-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006562 PE=3 SV=1
185	47	A0A9P5KXJ2 A0A9P5KXJ2_PENCR	455.78	61	61	26	1.144E5	1.0198E4	28	28	54	20	Y	56382	Indoleamine 2,3-dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006904 PE=3 SV=1

210	85	A0A9P5KXQ4 A0A9P5KXQ4_PENCR	454.39	51	51	6	1.0541E5	1.5452E3	32	32	61	5	Y	74338	Transketolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009815 PE=3 SV=1
232	95	A0A9P5GLT9 A0A9P5GLT9_PENCR	454.17	37	37	0	4.2009E4		38	38	59	0	Y	131068	Pyruvate carboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005687 PE=4 SV=1
225	152	A0A9P5L2C3 A0A9P5L2C3_PENCR	453.58	58	58	11	1.4348E5	3.0053E3	18	18	57	4	Y	47277	short-chain 2-methylacyl-CoA dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008524 PE=3 SV=1
265	83	A0A9P5GQ97 A0A9P5GQ97_PENCR	452.59	38	38	0	4.9927E4		34	34	51	0	Y	122969	NAD-specific glutamate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005827 PE=3 SV=1
266	153	A0A9P5L224 A0A9P5L224_PENCR	452.42	40	40	2	1.7095E5	0	20	20	50	1	Y	55908	Vacuolar aspartyl aminopeptidase Lap4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003081 PE=3 SV=1
168	216	A0A9P5GLC5 A0A9P5GLC5_PENCR	451.94	19	19	17	2.9899E5	3.4022E4	18	18	61	20	Y	116613	alpha,alpha-trehalase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006589 PE=3 SV=1
136	272	A0A9P5GG38 A0A9P5GG38_PENCR	451.75	54	38	53	6.6254E4	1.5085E5	18	18	29	66	Y	48037	Glucanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007647 PE=3 SV=1
118	462	A0A9P5GS13 A0A9P5GS13_PENCR	451.32	70	70	70	7.8438E4	2.7991E5	12	12	41	65	Y	26643	Dienelactone hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004662 PE=4 SV=1
212	96	A0A9P5GKW2 A0A9P5GKW2_PENCR	450.90	31	29	15	4.4649E4	5.3969E3	36	35	47	17	Y	125721	A-pheromone processing metallopeptidase Ste23 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006445 PE=3 SV=1
304	466	A0A9P5L8J3 A0A9P5L8J3_PENCR	450.79	91	91	29	6.4919E4	3.7652E2	21	21	37	7	Y	16606	ACB domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003624 PE=4 SV=1
176	336	A0A9P5GJS6 A0A9P5GJS6_PENCR	450.41	79	79	48	1.45E5	1.4381E4	16	16	56	22	Y	28847	6-phosphogluconolactonase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007449 PE=3 SV=1
160	342	A0A9P5GLN8 A0A9P5GLN8_PENCR	450.39	31	31	26	1.861E5	1.3243E5	15	15	42	42	Y	61499	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006233 PE=3 SV=1
75	258	A0A9P5L2F8 A0A9P5L2F8_PENCR	450.20	61	46	61	1.8513E5	2.664E5	20	19	66	76	Y	39155	Glycosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008492 PE=3 SV=1
110	291	A0A9P5GR96 A0A9P5GR96_PENCR	449.65	39	35	29	2.3973E5	7.6091E4	21	21	68	48	Y	61392	Carboxypeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004725 PE=3 SV=1
100	387	A0A9P5GGK2 A0A9P5GGK2_PENCR	448.89	66	52	63	2.001E5	2.2113E5	18	18	58	66	Y	34101	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007341 PE=4 SV=1

155	461	A0A9P5GN12 A0A9P5GN12_PENCR	448.87	50	50	43	2.7606E5	3.409E4	16	16	61	24	Y	34797	P68 RBP/TagC-like beta propeller domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005646 PE=4 SV=1
134	46	A0A9P5L6L2 A0A9P5L6L2_PENCR	448.68	50	48	41	6.0101E4	1.9436E4	33	33	58	37	Y	77911	Acyl-coenzyme A oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002512 PE=3 SV=1
193	94	A0A9P5G9Z3 A0A9P5G9Z3_PENCR	448.39	22	17	17	4.2408E4	3.8072E4	26	26	35	35	Y	132528	phospholipase D OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002656 PE=4 SV=1
386	251	A0A9P5GQ61 A0A9P5GQ61_PENCR	448.20	45	45	12	3.4044E4	3.4135E2	15	15	28	4	Y	47311	Enolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007200 PE=3 SV=1
123	33	A0A9P5GBM9 A0A9P5GBM9_PENCR	448.03	64	54	60	8.7906E4	3.7822E4	29	29	54	46	Y	53396	Calponin-homology (CH) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004051 PE=4 SV=1
166	670	A0A9P5GA21 A0A9P5GA21_PENCR	447.38	46	46	46	1.1667E5	1.5748E5	13	13	32	50	Y	30586	Survival protein SurE-like phosphatase/nucleotidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002487 PE=3 SV=1
261	67	A0A9P5GUG1 A0A9P5GUG1_PENCR	447.18	53	53	2	7.2146E4	0	29	29	51	1	Y	62358	Multifunctional fusion protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006149 PE=3 SV=1
63	672	A0A9P5KZV0 A0A9P5KZV0_PENCR	447.12	47	47	47	1.1152E6	1.186E6	11	11	63	93	Y	27947	ribonuclease T2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010389 PE=3 SV=1
106	268	A0A9P5L554 A0A9P5L554_PENCR	446.29	66	57	63	1.9849E5	3.8705E5	16	16	43	75	Y	41622	Exo-arabinanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003426 PE=4 SV=1
165	350	A0A9P5L0G9 A0A9P5L0G9_PENCR	445.40	61	58	60	1.7846E5	2.4713E4	15	15	58	25	Y	34776	Glucose-6-phosphate 1-epimerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005666 PE=3 SV=1
208	112	A0A9P5KYM1 A0A9P5KYM1_PENCR	445.29	74	74	40	9.359E4	1.9684E3	23	23	50	16	Y	38753	Homoserine dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003203 PE=3 SV=1
314	465	A0A9P5L3A7 A0A9P5L3A7_PENCR	444.73	43	43	10	6.9562E4	5.232E2	12	12	40	2	Y	33935	3-hydroxybutyryl-CoA dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007339 PE=3 SV=1
117	205	A0A9P5GVJ2 A0A9P5GVJ2_PENCR	444.61	66	66	59	1.4961E5	7.4949E4	21	21	64	44	Y	33537	Uricase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003582 PE=3 SV=1
317	121	A0A9P5GJ95 A0A9P5GJ95_PENCR	444.20	45	41	18	3.2478E4	4.074E3	21	21	31	10	Y	59492	threonine synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007855 PE=3 SV=1

201	130	A0A9P5GBK1 A0A9P5GBK1_PENCR	443.44	33	32	30	7.405E4	1.1935E4	20	20	41	27	N	73704	Glucose-methanol-choline oxidoreductase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003225 PE=3 SV=1
186	194	A0A9P5L2T4 A0A9P5L2T4_PENCR	442.51	16	16	12	1.3307E5	6.392E4	21	21	45	28	Y	135989	Coatomer subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007860 PE=4 SV=1
192	340	A0A9P5GLA1 A0A9P5GLA1_PENCR	442.47	33	29	29	9.6443E4	5.4707E4	16	16	44	27	Y	60634	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006853 PE=3 SV=1
179	367	A0A9P5GTV6 A0A9P5GTV6_PENCR	441.97	55	55	34	2.3179E5	5.0446E4	13	13	47	30	Y	33917	S-methyl-5'-thioadenosine phosphorylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006146 PE=3 SV=1
139	246	A0A9P5KVH3 A0A9P5KVH3_PENCR	441.80	55	55	52	1.7769E5	3.4041E4	17	17	62	31	Y	40975	Ornithine carbamoyltransferase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001789 PE=3 SV=1
187	48	A0A9P5GNE9 A0A9P5GNE9_PENCR	441.36	52	52	21	1.1822E5	1.0991E4	25	25	56	17	Y	68560	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003796 PE=3 SV=1
272	281	A0A9P5L155 A0A9P5L155_PENCR	440.90	29	29	17	7.6814E4	8.2098E3	18	18	40	10	Y	56710	phosphoglycerate mutase (2,3-diphosphoglycerate-independent) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010038 PE=3 SV=1
200	57	A0A9P5L834 A0A9P5L834_PENCR	440.41	53	38	48	3.8729E4	3.0526E4	26	26	34	34	Y	50607	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007168 PE=4 SV=1
113	193	A0A9P5GE31 A0A9P5GE31_PENCR	439.81	43	43	38	8.2746E4	6.5013E4	28	28	61	49	Y	49813	coproporphyrinogen oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000836 PE=3 SV=1
189	91	A0A9P5GV94 A0A9P5GV94_PENCR	439.51	40	40	23	1.0814E5	6.4576E3	24	24	54	19	N	78992	Dipeptidyl-peptidase V OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010200 PE=3 SV=1
152	89	A0A9P5GBN8 A0A9P5GBN8_PENCR	439.43	33	30	32	4.3153E4	4.2686E4	29	29	40	45	Y	99545	Exo-1,4-beta-D-glucosaminidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000518 PE=3 SV=1
468	233	A0A9P5GLE6 A0A9P5GLE6_PENCR	439.02	55	53	15	4.6879E4	1.2548E3	16	16	21	4	Y	36019	Glyceraldehyde-3-phosphate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006448 PE=3 SV=1
299	142	A0A9P5GYI0 A0A9P5GYI0_PENCR	438.96	41	41	28	3.7939E4	6.317E3	17	17	30	14	Y	58655	Phosphoacetylglucosamine mutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007143 PE=3 SV=1
263	517	A0A9P5KZ20 A0A9P5KZ20_PENCR	438.00	77	77	30	2.804E5	2.9481E3	12	12	47	5	Y	18013	Peptidyl-prolyl cis-trans isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001071 PE=3 SV=1

147	177	A0A9P5GKJ8 A0A9P5GKJ8_PENCR	437.35	64	64	57	1.776E5	3.2903E4	21	21	56	31	Y	34396	Purine nucleoside phosphorylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007218 PE=3 SV=1
213	405	A0A9P5L430 A0A9P5L430_PENCR	437.13	50	50	36	1.5531E5	1.6342E4	18	18	47	17	Y	35345	Arginase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005187 PE=3 SV=1
300	185	A0A9P5GGX2 A0A9P5GGX2_PENCR	437.05	31	31	11	8.0865E4	2.7027E2	19	19	39	5	Y	62367	methylcrotonoyl-CoA carboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001245 PE=3 SV=1
182	231	A0A9P5GLF4 A0A9P5GLF4_PENCR	436.54	40	29	38	1.0379E5	1.2549E5	18	18	29	46	Y	58417	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006020 PE=3 SV=1
278	179	A0A9P5GJH5 A0A9P5GJH5_PENCR	435.97	52	52	24	3.6993E4	3.2753E3	17	17	36	13	Y	49290	Peptidase M20 dimerisation domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007700 PE=3 SV=1
245	441	A0A9P5GB72 A0A9P5GB72_PENCR	435.86	59	59	5	2.283E5	0	16	16	55	1	Y	27968	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000994 PE=4 SV=1
286	352	A0A9P5GPW3 A0A9P5GPW3_PENCR	433.08	47	47	23	3.0296E4	8.5898E3	15	15	34	13	Y	54352	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007032 PE=4 SV=1
143	338	A0A9P5GLA3 A0A9P5GLA3_PENCR	432.96	52	52	39	2.0962E5	7.9979E3	14	14	72	16	Y	29810	Peptidyl-prolyl cis-trans isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006566 PE=3 SV=1
211	58	A0A9P5GKX9 A0A9P5GKX9_PENCR	432.54	49	49	5	1.2317E5	0	24	24	63	2	Y	57468	UTP--glucose-1-phosphate uridylyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006936 PE=3 SV=1
59	287	A0A9P5GE41 A0A9P5GE41_PENCR	432.51	74	64	73	1.1062E6	6.683E5	16	16	84	74	Y	33173	PABS domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000765 PE=3 SV=1
198	210	A0A9P5GIY9 A0A9P5GIY9_PENCR	432.19	60	60	34	1.2369E5	7.528E3	20	20	58	11	Y	39549	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009366 PE=3 SV=1
259	288	A0A9P5GAP0 A0A9P5GAP0_PENCR	432.19	51	46	45	7.0283E4	1.3754E4	14	14	37	16	Y	43082	Beta-lactamase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001578 PE=3 SV=1
183	88	A0A9P5GFJ8 A0A9P5GFJ8_PENCR	432.14	47	47	18	8.3389E4	3.207E3	31	31	60	14	Y	66790	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001162 PE=4 SV=1
164	158	A0A9P5GRJ6 A0A9P5GRJ6_PENCR	430.90	67	67	50	1.9069E5	6.0437E4	18	18	53	29	Y	33419	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005181 PE=3 SV=1
378	79	A0A9P5L1C0 A0A9P5L1C0_PENCR	430.85	33	33	0	3.6622E4		21	21	33	0	Y	79349	Heat shock protein Hsp88 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009772 PE=3 SV=1

344	104	A0A9P5KWW6 A0A9P5KWW6_PENCR	430.31	29	29	0	2.2594E4		26	26	37	0	Y	108411	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008489 PE=3 SV=1
181	314	A0A9P5KX53 A0A9P5KX53_PENCR	429.89	48	48	47	8.608E4	4.5952E4	16	16	41	34	Y	35590	Endonuclease OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000497 PE=3 SV=1
119	81	A0A9P5L3X0 A0A9P5L3X0_PENCR	429.06	53	53	32	1.632E5	3.9924E4	31	31	70	35	Y	57375	Aromatic-L-amino-acid decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006594 PE=3 SV=1
273	379	A0A9P5GDU9 A0A9P5GDU9_PENCR	429.03	69	69	0	1.6012E5		14	14	50	0	Y	26939	Proteasome subunit alpha type OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001298 PE=3 SV=1
311	573	A0A9P5GHC4 A0A9P5GHC4_PENCR	428.39	52	52	7	1.1088E5	0	14	14	41	1	Y	28728	Proteasome subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000997 PE=3 SV=1
142	395	A0A9P5KW52 A0A9P5KW52_PENCR	427.57	56	56	42	2.2727E5	2.0365E4	15	15	67	22	Y	35716	Endo-arabinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010433 PE=3 SV=1
172	65	A0A9P5L0T0 A0A9P5L0T0_PENCR	427.47	49	49	30	9.1223E4	1.1715E4	26	26	58	21	Y	55056	4-aminobutyrate aminotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009576 PE=3 SV=1
80	451	A0A9P5GEK3 A0A9P5GEK3_PENCR	426.96	80	80	80	6.8349E5	2.6314E5	15	15	80	61	Y	23074	Superoxide dismutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010717 PE=3 SV=1
277	27	A0A9P5GIW5 A0A9P5GIW5_PENCR	425.96	65	65	26	1.0825E5	7.6676E3	21	21	37	12	Y	48972	Ornithine aminotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005609 PE=3 SV=1
130	259	A0A9P5GFJ4 A0A9P5GFJ4_PENCR	422.62	44	41	40	1.0995E5	4.2668E4	23	23	49	48	Y	49046	1,3-beta-glucanosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002168 PE=3 SV=1
104	341	A0A9P5L1I5 A0A9P5L1I5_PENCR	421.66	60	55	58	3.3746E5	1.0828E5	14	14	74	47	Y	35796	Arabinan endo-1,5-alpha-L-arabinosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009690 PE=3 SV=1
377	106	A0A9P5KVQ7 A0A9P5KVQ7_PENCR	420.08	19	19	0	1.6105E4		25	25	33	0	Y	179885	Carrier domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001217 PE=4 SV=1
269	197	A0A9P5L619 A0A9P5L619_PENCR	419.78	37	37	34	5.2987E4	5.2329E4	18	18	26	25	Y	51554	1,3-beta-glucanosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001480 PE=3 SV=1
145	587	A0A9P5GG57 A0A9P5GG57_PENCR	419.63	31	31	22	5.7725E5	1.2871E5	9	9	57	31	Y	45894	Auxiliary Activity family 9 catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009758 PE=4 SV=1
49	164	A0A9P5GBP7 A0A9P5GBP7_PENCR	419.62	46	38	40	5.8275E5	4.0436E5	21	21	99	87	Y	52695	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003001 PE=3 SV=1

238	180	A0A9P5GVY4 A0A9P5GVY4_PENCR	418.58	41	41	20	6.7115E4	4.4162E3	20	20	42	16	Y	62557	Dihydroxyacetone kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000057 PE=3 SV=1
255	84	A0A9P5GQ59 A0A9P5GQ59_PENCR	417.99	39	37	19	3.102E4	4.9616E3	24	24	38	16	Y	86240	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000895 PE=3 SV=1
254	160	A0A9P5GMQ3 A0A9P5GMQ3_PENCR	417.87	57	57	33	1.0352E5	1.3189E4	18	18	39	15	Y	39176	Semialdehyde dehydrogenase NAD-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005270 PE=3 SV=1
333	265	A0A9P5GHT4 A0A9P5GHT4_PENCR	417.65	70	70	6	1.748E5	6.6678E2	15	15	38	1	Y	26625	Proteasome subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006425 PE=3 SV=1
215	661	A0A9P5GLM5 A0A9P5GLM5_PENCR	417.25	72	72	16	5.947E5	7.4589E2	10	10	61	3	Y	18500	Peptidyl-prolyl cis-trans isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007621 PE=3 SV=1
356	165	A0A9P5GH26 A0A9P5GH26_PENCR	414.71	41	41	12	4.1328E4	3.282E3	20	20	31	5	Y	51463	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009111 PE=3 SV=1
349	167	A0A9P5GZR9 A0A9P5GZR9_PENCR	413.86	34	34	2	4.3083E4	0	19	19	36	1	Y	64750	dihydroxy-acid dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003749 PE=3 SV=1
350	339	A0A9P5GMC0 A0A9P5GMC0_PENCR	412.48	65	65	27	5.4313E4	9.0866E2	16	16	30	7	Y	29473	NAD(P)-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004566 PE=3 SV=1
190	452	A0A9P5L003 A0A9P5L003_PENCR	412.03	51	46	45	1.012E5	5.4043E4	15	15	36	36	Y	38526	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002538 PE=3 SV=1
303	273	A0A9P5GT95 A0A9P5GT95_PENCR	409.66	48	48	24	4.1255E4	7.0106E3	18	18	32	12	Y	45383	Beta-lactamase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009636 PE=3 SV=1
221	236	A0A9P5GJT7 A0A9P5GJT7_PENCR	409.02	52	40	49	3.4476E4	2.9708E4	16	16	27	35	Y	42588	Mandelate racemase/muconate lactonizing enzyme C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006512 PE=4 SV=1
271	370	A0A9P5KYH2 A0A9P5KYH2_PENCR	408.56	49	49	44	8.0749E4	1.1502E4	13	13	37	14	Y	35652	Ca3427-like PBP 2 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008427 PE=4 SV=1
253	665	A0A9P5GPD9 A0A9P5GPD9_PENCR	407.53	54	54	16	2.7706E5	7.5312E2	11	11	50	5	Y	27711	xyloglucan-specific endo-beta-1,4-glucanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004785 PE=3 SV=1
239	449	A0A9P5GIT5 A0A9P5GIT5_PENCR	407.10	68	56	68	7.1353E4	5.081E4	14	14	27	31	Y	26094	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005905 PE=4 SV=1

229	214	A0A9P5L1U3 A0A9P5L1U3_PENCR	406.23	33	33	23	8.5394E4	1.4205E4	19	19	39	21	Y	66242	Beta-hexosaminidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007846 PE=3 SV=1
102	516	A0A9P5GBC1 A0A9P5GBC1_PENCR	406.11	43	34	43	2.5249E5	3.499E5	13	12	50	72	Y	41661	CBM20 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000804 PE=3 SV=1
298	479	A0A9P5L6G0 A0A9P5L6G0_PENCR	403.55	36	36	19	1.1077E5	8.8807E3	10	10	35	10	Y	51627	Endo-1,6-beta-D-glucanase BGN16.3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003113 PE=3 SV=1
196	755	A0A9P5GFP9 A0A9P5GFP9_PENCR	403.04	58	58	50	3.7499E5	1.0146E5	10	10	50	20	Y	18620	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010567 PE=3 SV=1
319	109	A0A9P5GVI1 A0A9P5GVI1_PENCR	402.66	16	16	0	4.0109E4		33	33	41	0	Y	246781	Aspartate carbamoyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001474 PE=3 SV=1
289	126	A0A9P5L3M3 A0A9P5L3M3_PENCR	401.05	39	39	17	6.5477E4	2.586E3	18	18	33	13	Y	61383	Phosphoenolpyruvate carboxykinase (ATP) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006107 PE=3 SV=1
222	304	A0A9P5GHX7 A0A9P5GHX7_PENCR	400.67	64	64	41	8.8489E4	6.9247E4	15	15	37	25	Y	33960	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009061 PE=4 SV=1
335	162	A0A9P5GCR9 A0A9P5GCR9_PENCR	400.46	54	54	0	4.1099E4		21	21	39	0	Y	44074	Phosphoglycerate kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001952 PE=3 SV=1
331	100	A0A9P5KXN1 A0A9P5KXN1_PENCR	400.29	28	27	16	1.3533E4	5.5783E3	21	21	26	13	Y	93397	Putative transferase CAF17, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006789 PE=3 SV=1
240	484	A0A9P5L7H7 A0A9P5L7H7_PENCR	400.18	42	39	34	5.5068E4	2.0977E4	14	14	32	26	Y	30074	Triosephosphate isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003621 PE=3 SV=1
144	455	A0A9P5KWG6 A0A9P5KWG6_PENCR	400.17	58	49	55	7.8962E4	2.3598E4	14	14	53	35	Y	29981	Dienelactone hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009474 PE=4 SV=1
171	118	A0A9P5L054 A0A9P5L054_PENCR	400.06	45	43	31	9.5907E4	3.2784E4	22	22	50	30	Y	48012	Aminotransferase class I/classII large domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002265 PE=4 SV=1
65	551	A0A9P5KZF1 A0A9P5KZF1_PENCR	399.07	86	86	80	5.1472E5	8.2522E5	14	14	73	78	Y	16920	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001746 PE=4 SV=1
380	421	A0A9P5GYY0 A0A9P5GYY0_PENCR	398.68	62	62	13	1.3471E5	9.2069E2	14	14	31	2	Y	28381	Proteasome subunit alpha type OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006189 PE=3 SV=1
321	227	A0A9P5L0S2 A0A9P5L0S2_PENCR	398.26	33	33	3	9.1074E4	1.8363E2	15	15	39	2	Y	61671	Calnexin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010521 PE=3 SV=1

367	444	A0A9P5GEQ3 A0A9P5GEQ3_PENCR	396.85	62	62	38	4.8902E4	3.7021E3	12	12	27	8	N	24853	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008512 PE=4 SV=1
268	301	A0A9P5L039 A0A9P5L039_PENCR	395.96	86	83	59	3.5411E4	2.9624E4	17	17	26	25	Y	26242	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002217 PE=4 SV=1
292	382	A0A9P5GQF9 A0A9P5GQF9_PENCR	395.79	27	27	21	3.6589E4	1.4395E4	14	14	29	16	Y	60730	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008856 PE=3 SV=1
379	305	A0A9P5KYY4 A0A9P5KYY4_PENCR	395.35	48	48	10	1.463E4	1.5408E2	15	15	29	4	Y	38987	ATP-dependent (S)-NAD(P)H-hydrate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004561 PE=3 SV=1
275	207	A0A9P5GHB5 A0A9P5GHB5_PENCR	394.35	75	75	0	1.7657E5		21	21	50	0	Y	28229	Proteasome subunit alpha type OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008729 PE=3 SV=1
476	218	A0A9P5GVB8 A0A9P5GVB8_PENCR	394.07	76	76	4	2.0488E4	2.3482E2	18	18	24	1	N	35228	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000281 PE=4 SV=1
251	120	A0A9P5GXJ9 A0A9P5GXJ9_PENCR	393.04	45	45	7	1.5228E5	5.0912E2	21	21	50	5	Y	49791	Elongation factor 1-alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007159 PE=3 SV=1
262	144	A0A9P5GDF5 A0A9P5GDF5_PENCR	392.80	36	35	18	7.8488E4	1.4074E4	19	19	37	15	Y	70611	Eukaryotic translation initiation factor 2A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009405 PE=3 SV=1
424	260	A0A9P5GM86 A0A9P5GM86_PENCR	391.71	30	30	13	2.9921E4	4.4669E3	15	15	20	8	Y	56890	Trehalose-6-phosphate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007666 PE=3 SV=1
154	324	A0A9P5GQX0 A0A9P5GQX0_PENCR	391.55	48	42	46	8.6285E4	9.9335E4	17	17	37	48	Y	40380	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009627 PE=3 SV=1
418	757	A0A9P5GF59 A0A9P5GF59_PENCR	391.04	45	45	20	5.5274E4	2.9559E3	10	10	24	5	Y	27023	TNT domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010655 PE=4 SV=1
363	184	A0A9P5GVS7 A0A9P5GVS7_PENCR	390.98	43	43	2	3.6553E4	0	19	19	34	1	Y	54044	Adenylosuccinate lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000977 PE=3 SV=1
214	473	A0A9P5GMG9 A0A9P5GMG9_PENCR	390.98	55	55	23	1.7983E5	4.6682E3	20	20	58	6	Y	28271	Dienelactone hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002867 PE=4 SV=1
206	186	A0A9P5GMJ7 A0A9P5GMJ7_PENCR	389.32	24	23	19	7.8983E4	5.0621E3	23	23	43	23	N	90580	Glutaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003523 PE=4 SV=1
332	145	A0A9P5GB07 A0A9P5GB07_PENCR	389.32	40	40	5	3.6343E4	2.1523E2	19	19	37	2	Y	66327	Glycosyl hydrolase family 13 catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003217 PE=3 SV=1

203	102	A0A9P5GJL5 A0A9P5GJL5_PENCR	389.13	32	30	20	5.7729E4	1.4788E4	23	23	38	29	N	101353	Probable alpha/beta-glucosidase agdC OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005421 PE=3 SV=1
149	578	A0A9P5L0I3 A0A9P5L0I3_PENCR	388.93	45	33	44	4.636E5	8.4779E4	12	12	54	32	Y	36842	SMP-30/Gluconolactonase/LRE-like region domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000300 PE=4 SV=1
307	322	A0A9P5L8C7 A0A9P5L8C7_PENCR	388.66	46	46	11	6.2241E4	1.5787E3	16	16	38	6	N	45366	Peptidase M20 dimerisation domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007197 PE=3 SV=1
279	226	A0A9P5L0H1 A0A9P5L0H1_PENCR	388.46	62	62	32	7.3344E4	3.81E3	17	17	36	13	Y	31196	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000430 PE=3 SV=1
124	298	A0A9P5GMZ9 A0A9P5GMZ9_PENCR	387.90	30	25	29	2.4054E5	3.4335E5	15	15	43	57	Y	58115	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003102 PE=3 SV=1
197	90	A0A9P5GTN3 A0A9P5GTN3_PENCR	387.80	30	26	20	3.7099E4	4.1653E3	31	31	47	22	Y	104037	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009574 PE=3 SV=1
320	230	A0A9P5GSV4 A0A9P5GSV4_PENCR	387.30	45	45	25	5.0243E4	1.6466E3	19	19	32	9	Y	42019	Gfo/Idh/MocA-like oxidoreductase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004832 PE=4 SV=1
132	673	A0A9P5GQ69 A0A9P5GQ69_PENCR	384.92	43	43	38	2.0278E5	1.8033E5	10	10	38	59	Y	37723	Glycosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004242 PE=3 SV=1
327	278	A0A9P5GFN1 A0A9P5GFN1_PENCR	384.37	18	13	17	2.4318E4	1.2461E4	16	16	18	22	Y	97032	MHD domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009803 PE=4 SV=1
312	842	A0A9P5GNW5 A0A9P5GNW5_PENCR	384.29	43	27	39	1.446E5	8.7815E4	6	6	20	22	N	25206	Elongation factor 1-beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006731 PE=3 SV=1
430	173	A0A9P5GP15 A0A9P5GP15_PENCR	384.05	35	35	2	6.6214E4	0	16	16	27	1	Y	52516	ATP citrate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001380 PE=4 SV=1
223	335	A0A9P5L526 A0A9P5L526_PENCR	383.83	45	24	45	4.0968E4	6.0873E4	14	14	22	40	Y	45706	ribonuclease T2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005205 PE=3 SV=1
218	183	A0A9P5GF92 A0A9P5GF92_PENCR	383.79	61	61	18	8.7226E4	4.7832E3	22	22	51	12	Y	46543	Aspartate aminotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010574 PE=3 SV=1
250	264	A0A9P5GNK2 A0A9P5GNK2_PENCR	383.69	56	56	42	6.7585E4	4.9714E3	18	18	33	23	Y	34330	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004572 PE=4 SV=1

392	248	A0A9P5GE80 A0A9P5GE80_PENCR	383.54	32	32	5	3.5226E4	8.0508E1	15	15	29	2	Y	65001	Alkaline phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008962 PE=3 SV=1
290	163	A0A9P5GS29 A0A9P5GS29_PENCR	383.46	48	42	48	2.1131E4	8.5048E3	20	20	24	22	Y	52164	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005358 PE=3 SV=1
370	101	A0A9P5KZF4 A0A9P5KZF4_PENCR	383.40	27	27	2	2.1086E4	0	25	25	32	2	Y	122677	alpha-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003986 PE=3 SV=1
432	297	A0A9P5GKK3 A0A9P5GKK3_PENCR	382.70	36	36	2	5.9248E4	4.3862E3	13	13	27	1	Y	55385	ATP synthase subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005902 PE=3 SV=1
236	253	A0A9P5GLD5 A0A9P5GLD5_PENCR	382.67	31	26	31	1.1161E5	1.1068E5	15	15	28	30	Y	61788	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006604 PE=3 SV=1
280	262	A0A9P5GL77 A0A9P5GL77_PENCR	382.13	53	46	33	4.3863E4	1.6653E4	15	15	29	20	Y	37950	4-amino-5-hydroxymethyl-2-methylpyrimidine phosphate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008419 PE=3 SV=1
464	192	A0A9P5KX70 A0A9P5KX70_PENCR	380.89	32	32	2	1.8308E4	0	16	16	24	1	Y	64807	dihydroxy-acid dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007778 PE=3 SV=1
291	131	A0A9P5KYE2 A0A9P5KYE2_PENCR	380.03	29	28	14	3.386E4	2.7891E3	20	20	32	13	N	93183	Mannosyl-oligosaccharide glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008461 PE=3 SV=1
209	456	A0A9P5L768 A0A9P5L768_PENCR	379.45	52	52	41	1.2984E5	2.9903E4	15	15	43	23	Y	28567	Ribose-5-phosphate isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001375 PE=3 SV=1
428	200	A0A9P5GQ41 A0A9P5GQ41_PENCR	379.41	38	38	5	2.5278E4	0	19	17	26	2	Y	54368	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006546 PE=3 SV=1
219	312	A0A9P5L8I7 A0A9P5L8I7_PENCR	378.83	47	47	32	1.6717E5	5.6752E4	19	19	36	27	Y	31312	Enoyl-CoA hydratase/isomerase family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003609 PE=3 SV=1
493	1135	A0A9P5KYB9 A0A9P5KYB9_PENCR	376.87	50	50	0	4.1444E4		9	9	24	0	Y	13976	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005550 PE=4 SV=1
267	220	A0A9P5L344 A0A9P5L344_PENCR	376.82	55	55	21	5.9046E4	1.808E3	19	19	40	11	Y	38776	NADP-dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009654 PE=3 SV=1
470	539	A0A9P5GDQ6 A0A9P5GDQ6_PENCR	376.54	32	32	7	4.2396E4	0	10	10	21	4	Y	36114	Outer mitochondrial membrane protein porin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003171 PE=3 SV=1
360	546	A0A9P5GQX9 A0A9P5GQX9_PENCR	376.26	28	23	24	3.7719E4	2.8821E4	10	10	21	15	N	46719	Dockerin type 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005438 PE=4 SV=1

308	199	A0A9P5GD49 A0A9P5GD49_PENCR	375.95	56	52	31	5.7672E4	1.1264E4	14	14	25	18	Y	38801	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001207 PE=3 SV=1
455	134	A0A9P5GDM5 A0A9P5GDM5_PENCR	374.76	23	23	0	8.5518E4		19	19	26	0	Y	122770	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009392 PE=3 SV=1
224	344	A0A9P5GQN6 A0A9P5GQN6_PENCR	374.64	44	44	34	6.2146E4	2.6448E4	16	16	37	25	Y	40584	Uroporphyrinogen decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005026 PE=3 SV=1
247	228	A0A9P5GNY9 A0A9P5GNY9_PENCR	374.46	26	26	25	4.9331E4	2.9122E4	16	16	27	29	Y	66821	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006601 PE=3 SV=1
545	356	A0A9P5GMK4 A0A9P5GMK4_PENCR	374.22	30	30	5	2.3717E4	1.3366E2	12	12	17	3	Y	65056	tripeptidyl-peptidase II OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008125 PE=4 SV=1
173	457	A0A9P5GRJ0 A0A9P5GRJ0_PENCR	373.96	35	35	32	1.175E5	4.7067E4	14	14	50	29	Y	39444	GPI anchored protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004465 PE=4 SV=1
293	283	A0A9P5GDQ4 A0A9P5GDQ4_PENCR	373.85	33	30	28	3.4075E4	5.1492E3	15	15	29	16	Y	50138	Annexin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009249 PE=4 SV=1
287	388	A0A9P5KW23 A0A9P5KW23_PENCR	373.77	64	64	53	5.247E4	7.6522E3	17	17	33	14	Y	26603	Peptidase M24 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010676 PE=4 SV=1
322	174	A0A9P5GNC5 A0A9P5GNC5_PENCR	373.72	42	42	22	6.046E4	1.0735E4	16	16	27	14	Y	51113	homocitrate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007019 PE=3 SV=1
382	189	A0A9P5L112 A0A9P5L112_PENCR	373.61	65	65	15	6.4121E4	1.7351E3	15	15	28	5	Y	40342	NGG1 interacting factor Nif3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007980 PE=3 SV=1
338	474	A0A9P5GGH3 A0A9P5GGH3_PENCR	373.32	46	25	46	4.3991E4	4.5826E4	10	9	15	24	Y	36361	cellulase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009847 PE=3 SV=1
452	105	A0A9P5L6Y5 A0A9P5L6Y5_PENCR	372.93	26	26	0	1.2818E4		24	24	26	0	Y	120006	linoleate 8R-lipoxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002205 PE=4 SV=1
288	569	A0A9P5GE47 A0A9P5GE47_PENCR	372.91	43	43	16	1.5435E5	4.8349E3	9	9	39	8	Y	35819	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010735 PE=4 SV=1
256	190	A0A9P5GEB4 A0A9P5GEB4_PENCR	372.53	49	49	21	5.7504E4	6.9418E3	17	17	41	13	Y	41697	Actin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008724 PE=3 SV=1
258	728	A0A9P5L2V5 A0A9P5L2V5_PENCR	372.37	29	28	29	9.1671E4	1.273E5	8	8	23	31	Y	38258	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000393 PE=4 SV=1

375	296	A0A9P5GZ26 A0A9P5GZ26_PENCR	372.30	52	45	29	2.8319E4	7.5547E3	15	15	21	13	Y	41905	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000144 PE=3 SV=1
244	302	A0A9P5GL29 A0A9P5GL29_PENCR	372.28	49	35	44	2.3776E4	5.6789E4	15	15	21	35	Y	46108	GH64 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005654 PE=4 SV=1
613	464	A0A9P5GES7 A0A9P5GES7_PENCR	371.43	48	48	6	3.0762E4	0	10	10	16	1	N	35545	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000711 PE=3 SV=1
235	362	A0A9P5GML8 A0A9P5GML8_PENCR	371.03	49	41	35	1.531E5	2.0279E4	15	15	42	16	Y	27152	Triosephosphate isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003239 PE=3 SV=1
413	372	A0A9P5GBS0 A0A9P5GBS0_PENCR	371.01	52	52	18	3.5355E4	2.6457E3	11	11	26	3	Y	29489	Pyrroline-5-carboxylate reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002477 PE=3 SV=1
340	132	A0A9P5GL27 A0A9P5GL27_PENCR	370.54	15	14	8	1.1212E4	2.2179E3	18	18	24	13	Y	167962	Flavodoxin-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009093 PE=3 SV=1
442	119	A0A9P5LOB2 A0A9P5LOB2_PENCR	370.47	38	38	2	2.2348E4	0	19	19	26	1	Y	64995	Actin cortical patch component OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005849 PE=4 SV=1
302	146	A0A9P5KZ69 A0A9P5KZ69_PENCR	369.56	28	23	24	7.7512E3	6.3269E3	16	16	17	27	Y	79168	beta-N-acetylhexosaminidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007512 PE=3 SV=1
297	430	A0A9P5L4D8 A0A9P5L4D8_PENCR	369.56	30	30	28	5.9458E4	1.0688E4	13	13	31	14	Y	41025	alanine--glyoxylate transaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005997 PE=3 SV=1
381	374	A0A9P5GRI4 A0A9P5GRI4_PENCR	369.17	36	36	18	3.5253E4	2.5359E3	14	14	26	7	Y	40123	Peroxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005612 PE=3 SV=1
488	431	A0A9P5GHX2 A0A9P5GHX2_PENCR	369.03	29	25	16	1.7276E4	6.6409E3	11	11	13	11	Y	59457	Ran exchange factor Prp20/Pim1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008647 PE=4 SV=1
169	615	A0A9P5GP49 A0A9P5GP49_PENCR	368.52	53	51	45	1.3832E5	6.4151E4	12	12	47	34	Y	22360	Rho GDP-dissociation inhibitor OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002761 PE=3 SV=1
477	394	A0A9P5GIF7 A0A9P5GIF7_PENCR	368.40	29	29	5	2.3577E4	4.1332E2	13	13	22	2	Y	57843	Inosine-5'-monophosphate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007629 PE=3 SV=1
358	576	A0A9P5GI77 A0A9P5GI77_PENCR	368.24	36	34	35	3.526E4	1.0291E4	11	11	24	12	N	39980	Inosine/uridine-preferring nucleoside hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007753 PE=3 SV=1

403	117	A0A9P5GEX9 A0A9P5GEX9_PENCR	368.13	47	47	2	2.7681E4	0	18	18	29	1	Y	55150	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010728 PE=3 SV=1
234	1096	A0A9P5KXE1 A0A9P5KXE1_PENCR	368.03	14	14	13	5.9863E5	1.1439E5	6	6	41	18	Y	37229	Neutral protease 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010421 PE=3 SV=1
530	450	A0A9P5GMX6 A0A9P5GMX6_PENCR	367.76	41	41	4	2.8704E4	0	12	12	21	1	Y	43153	Peptide hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007299 PE=3 SV=1
334	326	A0A9P5L2T3 A0A9P5L2T3_PENCR	367.75	55	55	17	4.3898E4	1.9617E3	14	14	34	5	Y	34122	dihydroneopterin aldolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000317 PE=3 SV=1
440	571	A0A9P5GE16 A0A9P5GE16_PENCR	366.85	41	41	5	4.2936E4	2.7995E2	13	13	27	1	Y	34347	Succinate--CoA ligase [ADP-forming] subunit alpha, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002894 PE=3 SV=1
295	316	A0A9P5GF02 A0A9P5GF02_PENCR	365.91	42	42	20	8.2168E4	1.1808E3	14	14	37	8	Y	33291	Nicotinate-nucleotide pyrophosphorylase [carboxylating] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000587 PE=3 SV=1
174	756	A0A9P5GVN8 A0A9P5GVN8_PENCR	365.42	56	38	56	1.4777E5	2.4789E5	9	8	31	48	Y	27056	Chitin-binding type-4 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000915 PE=3 SV=1
248	510	A0A9P5L6L3 A0A9P5L6L3_PENCR	365.38	38	35	20	8.622E4	3.4492E4	10	10	30	26	Y	55038	DUF1996 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009653 PE=4 SV=1
324	849	A0A9P5GJN1 A0A9P5GJN1_PENCR	365.36	55	55	30	6.2716E4	7.0184E2	13	13	37	4	Y	16153	40S ribosomal protein S12 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007761 PE=3 SV=1
296	241	A0A9P5L043 A0A9P5L043_PENCR	365.31	35	32	21	1.0483E5	1.2697E4	17	17	31	14	Y	51820	Citrate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000844 PE=3 SV=1
241	817	A0A9P5GGK9 A0A9P5GGK9_PENCR	365.24	47	37	47	1.4455E5	5.403E4	6	6	28	30	Y	32096	SCP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009744 PE=4 SV=1
473	453	A0A9P5L6E6 A0A9P5L6E6_PENCR	364.76	38	38	9	4.5828E4	1.1642E3	11	11	22	3	Y	40772	Saccharopine dehydrogenase [NAD(+), L-lysine-forming] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003488 PE=3 SV=1
264	566	A0A9P5GZV1 A0A9P5GZV1_PENCR	364.59	52	52	4	1.679E5	0	11	11	51	1	Y	24797	Proteasome subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000014 PE=3 SV=1
453	211	A0A9P5GTX2 A0A9P5GTX2_PENCR	364.39	35	35	3	3.7668E4	0	15	15	24	2	Y	46475	argininosuccinate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004269 PE=3 SV=1
316	740	A0A9P5GM28 A0A9P5GM28_PENCR	363.36	44	44	26	6.7341E4	3.3932E3	10	10	28	14	Y	22116	DUF1524 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006486 PE=4 SV=1

343	157	A0A9P5GYL5 A0A9P5GYL5_PENCR	362.95	19	18	6	1.3142E4	2.9003E2	26	26	26	11	Y	172853	Glycogen debranching enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003690 PE=3 SV=1
479	279	A0A9P5GST8 A0A9P5GST8_PENCR	362.93	26	26	0	3.3436E4		14	14	24	0	Y	71503	hydroxyacylglutathione hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000064 PE=3 SV=1
284	392	A0A9P5GEQ4 A0A9P5GEQ4_PENCR	361.89	56	51	56	1.5856E4	9.1927E3	13	12	22	25	Y	28686	Transcriptional regulator OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002946 PE=4 SV=1
410	321	A0A9P5L032 A0A9P5L032_PENCR	361.51	31	31	0	3.4711E4		14	14	29	0	Y	51936	Serine hydroxymethyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010036 PE=3 SV=1
431	232	A0A9P5GBT2 A0A9P5GBT2_PENCR	361.41	24	24	10	3.018E4	3.3606E3	13	13	23	5	Y	83995	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000435 PE=4 SV=1
443	135	A0A9P5GMI5 A0A9P5GMI5_PENCR	361.12	19	19	0	2.1807E4		17	17	27	0	Y	109025	Plasma membrane ATPase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007547 PE=3 SV=1
505	396	A0A9P5GDZ7 A0A9P5GDZ7_PENCR	360.76	44	44	0	4.2222E4		13	12	23	0	Y	28557	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009156 PE=3 SV=1
401	213	A0A9P5GIV7 A0A9P5GIV7_PENCR	359.77	24	15	24	7.1315E3	6.7265E3	14	14	11	19	Y	74364	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007774 PE=3 SV=1
456	411	A0A9P5GK32 A0A9P5GK32_PENCR	359.13	32	32	0	2.9392E4		13	13	26	0	N	48356	Cytochrome b-c1 complex subunit 2, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006320 PE=3 SV=1
337	726	A0A9P5GY43 A0A9P5GY43_PENCR	358.43	60	60	30	6.5995E4	9.1088E2	9	9	34	5	Y	22760	Neutral protease 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004985 PE=3 SV=1
180	572	A0A9P5GAQ2 A0A9P5GAQ2_PENCR	358.35	99	99	99	4.0743E5	7.5767E4	10	10	43	33	Y	13270	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001541 PE=3 SV=1
342	528	A0A9P5L4A7 A0A9P5L4A7_PENCR	357.77	32	32	26	8.8913E4	1.0036E4	10	10	25	12	Y	36621	Porphobilinogen deaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000227 PE=3 SV=1
527	330	A0A9P5GTS4 A0A9P5GTS4_PENCR	357.63	31	31	6	1.3657E4	0	14	14	20	2	Y	56266	Glutathione synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009584 PE=3 SV=1
451	225	A0A9P5L1I8 A0A9P5L1I8_PENCR	357.56	14	14	4	1.9178E4	2.0996E3	14	14	20	6	N	127278	ubiquitinyl hydrolase 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008286 PE=3 SV=1
354	221	A0A9P5L3S8 A0A9P5L3S8_PENCR	357.40	44	44	11	3.6431E4	0	17	17	31	5	Y	48680	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005444 PE=3 SV=1

437	715	A0A9P5KZX2 A0A9P5KZX2_PENCR	357.31	15	15	5	1.0092E5	2.9265E3	11	11	24	4	Y	60797	Probable beta-glucosidase btgE OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001168 PE=3 SV=1
323	366	A0A9P5GSS9 A0A9P5GSS9_PENCR	357.10	35	27	33	2.2544E4	2.5081E4	13	13	15	26	N	45146	Aldose 1-epimerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008795 PE=3 SV=1
415	568	A0A9P5KX94 A0A9P5KX94_PENCR	356.24	42	42	35	3.1982E4	1.2386E4	10	10	18	11	Y	37030	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007624 PE=4 SV=1
220	460	A0A9P5L0M1 A0A9P5L0M1_PENCR	356.13	66	47	63	1.2623E5	7.3999E4	16	16	33	30	Y	24631	Translation elongation factor eEF-1B gamma subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005475 PE=3 SV=1
361	795	A0A9P5GL96 A0A9P5GL96_PENCR	355.61	21	21	21	3.3241E4	4.0808E4	8	8	16	20	Y	45601	Glycosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008965 PE=3 SV=1
528	424	A0A9P5GP92 A0A9P5GP92_PENCR	355.54	35	35	0	2.7351E4		12	12	22	0	N	42124	S-adenosylmethionine synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004449 PE=3 SV=1
315	398	A0A9P5GT51 A0A9P5GT51_PENCR	355.33	33	31	32	4.0549E4	1.5237E4	13	13	27	15	Y	47261	3-phytase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007991 PE=3 SV=1
352	168	A0A9P5L7G5 A0A9P5L7G5_PENCR	354.57	18	17	6	1.8905E4	2.7546E3	21	21	29	7	Y	135084	Urea carboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010238 PE=4 SV=1
389	440	A0A9P5GJX3 A0A9P5GJX3_PENCR	353.64	37	34	31	2.1456E4	1.3867E4	14	14	18	14	Y	40676	GPI-anchored cell wall organization protein Ecm33 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005387 PE=4 SV=1
231	1056	A0A9P5KXK5 A0A9P5KXK5_PENCR	353.13	38	38	29	6.6292E5	1.3548E4	5	5	51	9	Y	18881	Cell wall protein PhiA OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006815 PE=4 SV=1
543	254	A0A9P5KY57 A0A9P5KY57_PENCR	351.99	20	20	5	1.7902E4	0	12	12	17	3	Y	83599	Carbohydrate kinase PfkB domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005801 PE=3 SV=1
309	904	A0A9P5GFG6 A0A9P5GFG6_PENCR	351.85	60	60	0	2.4066E5		7	7	43	0	Y	13341	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010634 PE=4 SV=1
492	397	A0A9P5GN43 A0A9P5GN43_PENCR	351.40	23	22	11	1.0092E4	2.2202E3	13	13	16	8	N	71859	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007787 PE=3 SV=1
469	269	A0A9P5GJX6 A0A9P5GJX6_PENCR	349.75	48	48	4	4.336E4	4.478E2	15	15	24	1	Y	33750	ADP/ATP translocase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007770 PE=3 SV=1
294	381	A0A9P5L4A9 A0A9P5L4A9_PENCR	348.84	37	31	37	2.2083E4	3.2137E4	11	11	18	27	Y	47517	Jacalin-type lectin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006283 PE=4 SV=1

554	454	A0A9P5KW81 A0A9P5KW81_PENCR	348.20	25	25	4	2.7177E4	5.1296E2	11	10	18	2	Y	53848	alpha-amylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003184 PE=3 SV=1
461	383	A0A9P5G9X4 A0A9P5G9X4_PENCR	347.63	60	60	0	5.7429E4		13	13	26	0	Y	25822	SH3b domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002717 PE=4 SV=1
306	1129	A0A9P5L3I1 A0A9P5L3I1_PENCR	347.57	65	65	0	3.2182E5		6	6	44	0	Y	13186	Secreted protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007268 PE=4 SV=1
423	354	A0A9P5KWA3 A0A9P5KWA3_PENCR	347.39	16	16	9	2.8171E4	2.7281E3	11	11	20	8	Y	92690	NADP-dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002902 PE=4 SV=1
393	139	A0A9P5L6H6 A0A9P5L6H6_PENCR	347.03	48	48	9	3.2036E4	1.1459E2	19	19	27	4	Y	48823	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009547 PE=3 SV=1
341	125	A0A9P5KY24 A0A9P5KY24_PENCR	346.97	45	45	9	5.1219E4	6.8223E2	23	23	31	6	Y	59492	GMP synthase [glutamine-hydrolyzing] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006024 PE=3 SV=1
438	380	A0A9P5KYH0 A0A9P5KYH0_PENCR	346.94	42	42	9	3.2044E4	3.1578E2	12	12	25	3	Y	38383	fructose-bisphosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001726 PE=3 SV=1
478	133	A0A9P5GKW9 A0A9P5GKW9_PENCR	346.79	19	19	0	7.9918E3		19	19	24	0	Y	127931	Ammonium-dependent carbamoyl phosphate synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004554 PE=3 SV=1
409	275	A0A9P5GCN4 A0A9P5GCN4_PENCR	346.76	45	45	9	3.6093E4	3.3901E3	16	14	24	5	Y	45918	Choline monooxygenase, chloroplastic OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010088 PE=3 SV=1
328	515	A0A9P5GMQ5 A0A9P5GMQ5_PENCR	346.68	49	38	48	3.3531E4	6.8565E4	11	11	18	22	Y	34263	pectate lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007505 PE=3 SV=1
480	202	A0A9P5GRM3 A0A9P5GRM3_PENCR	346.41	19	19	2	2.4296E4	0	13	13	23	1	Y	100165	26S proteasome regulatory subunit RPN1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000231 PE=3 SV=1
242	257	A0A9P5GTB6 A0A9P5GTB6_PENCR	346.13	69	47	61	6.1389E4	3.3285E4	17	17	28	28	Y	25574	Fumarylacetoacetase-like C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003981 PE=3 SV=1
436	271	A0A4Y5FFQ9 A0A4Y5FFQ9_PENCR	345.60	58	58	24	4.6963E4	2.9589E2	17	17	20	8	N	29913	Orotidine 5'-phosphate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=pyrG PE=3 SV=1
400	446	A0A9P5GL22 A0A9P5GL22_PENCR	345.24	34	34	0	7.6096E4		10	10	30	0	Y	43641	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006881 PE=4 SV=1
405	593	A0A9P5GEU0 A0A9P5GEU0_PENCR	345.17	39	29	31	3.6251E4	1.0918E4	11	11	21	9	Y	31556	Class II aldolase/adducin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002123 PE=4 SV=1

427	147	A0A9P5L486 A0A9P5L486_PENCR	345.17	31	31	0	7.8022E3		17	17	28	0	Y	81264	XPG I-region protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000166 PE=3 SV=1
301	588	A0A9P5GFW0 A0A9P5GFW0_PENCR	344.65	36	24	36	2.4508E4	1.8319E4	13	13	19	25	Y	45819	glucan 1,3-beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007784 PE=3 SV=1
357	432	A0A9P5GQN7 A0A9P5GQN7_PENCR	344.13	36	36	28	2.9307E4	1.255E4	14	14	21	15	Y	35649	4-nitrophenylphosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004014 PE=4 SV=1
374	533	A0A9P5L3H2 A0A9P5L3H2_PENCR	343.93	35	35	25	1.0834E5	1.3363E3	12	12	28	6	Y	31162	proteasome endopeptidase complex OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005863 PE=4 SV=1
402	155	A0A9P5GSV3 A0A9P5GSV3_PENCR	343.37	26	26	2	1.7966E4	1.4044E2	18	18	29	1	Y	85384	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003452 PE=3 SV=1
364	263	A0A9P5GCQ9 A0A9P5GCQ9_PENCR	342.67	43	43	14	7.9139E4	1.0338E3	17	17	30	5	Y	40385	Serine hydroxymethyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001984 PE=3 SV=1
385	389	A0A9P5GM16 A0A9P5GM16_PENCR	342.67	60	60	26	2.705E4	9.9441E3	13	13	25	8	Y	35790	Thioredoxin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005614 PE=4 SV=1
412	255	A0A9P5KY66 A0A9P5KY66_PENCR	342.48	16	16	3	1.2577E4	0	18	18	26	3	N	123348	isoleucine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002311 PE=3 SV=1
359	429	A0A9P5L2B1 A0A9P5L2B1_PENCR	342.23	53	53	29	2.3987E4	9.6265E2	15	15	28	8	Y	30193	Pyridoxal phosphate homeostasis protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007320 PE=3 SV=1
459	295	A0A9P5GBM6 A0A9P5GBM6_PENCR	342.14	56	56	28	3.6215E4	2.1417E3	13	13	18	8	Y	36129	Aldose 1-epimerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000586 PE=3 SV=1
216	677	A0A9P5GQ96 A0A9P5GQ96_PENCR	341.72	50	39	37	6.8163E4	1.0629E5	9	9	28	36	Y	31357	Lipase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006443 PE=4 SV=1
325	438	A0A9P5GJN6 A0A9P5GJN6_PENCR	341.35	40	33	37	1.5942E4	1.0584E4	12	11	20	21	N	28783	Transcriptional regulator OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007536 PE=4 SV=1
594	212	A0A9P5G9S3 A0A9P5G9S3_PENCR	341.03	27	27	0	9.0664E3		12	12	17	0	N	66849	non-chaperonin molecular chaperone ATPase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002987 PE=3 SV=1
569	724	A0A9P5GES5 A0A9P5GES5_PENCR	340.63	25	25	9	2.0616E4	4.7585E2	9	9	17	2	Y	36288	Dihydroorotase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010393 PE=4 SV=1
260	360	A0A9P5L1X4 A0A9P5L1X4_PENCR	340.04	37	37	17	8.4837E4	1.7212E4	16	16	40	13	Y	46637	FAD-dependent oxidoreductase domain-containing protein 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009057 PE=4 SV=1

475	308	A0A9P5GJG1 A0A9P5GJG1_PENCR	339.98	44	44	18	2.8126E4	4.1423E3	12	12	19	6	N	46017	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005220 PE=4 SV=1
408	318	A0A9P5GJ63 A0A9P5GJ63_PENCR	339.73	33	32	26	1.066E4	2.4575E3	13	13	17	12	Y	51695	DHHA2 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008261 PE=4 SV=1
387	345	A0A9P5L1N8 A0A9P5L1N8_PENCR	339.16	45	41	33	1.7761E4	3.4551E3	14	14	20	12	Y	36684	Cyclase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008147 PE=3 SV=1
188	620	A0A9P5GBH8 A0A9P5GBH8_PENCR	339.06	81	61	81	2.0467E5	9.6288E4	10	10	41	32	Y	15863	YjgF-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003383 PE=4 SV=1
507	778	A0A9P5L1N7 A0A9P5L1N7_PENCR	338.34	36	36	6	3.6854E4	1.1201E3	8	8	21	2	N	35440	Alpha-L-arabinofuranosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004003 PE=3 SV=1
669	536	A0A9P5GGA8 A0A9P5GGA8_PENCR	338.15	43	43	0	1.1707E4		10	10	14	0	N	25829	DSBA-like thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009486 PE=4 SV=1
441	731	A0A9P5GWH6 A0A9P5GWH6_PENCR	338.01	40	40	24	2.4904E4	1.0473E4	8	8	14	14	Y	25004	Riboflavin synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007146 PE=4 SV=1
348	442	A0A9P5KY98 A0A9P5KY98_PENCR	337.34	27	17	26	2.0826E4	3.2733E4	11	11	16	21	Y	66697	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008696 PE=3 SV=1
373	277	A0A9P5GU21 A0A9P5GU21_PENCR	336.71	23	17	19	1.1745E4	9.8987E3	13	13	15	19	Y	76385	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002232 PE=4 SV=1
540	855	A0A9P5L0E1 A0A9P5L0E1_PENCR	336.31	35	35	0	2.2991E4		9	9	21	0	Y	27311	cutinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005769 PE=3 SV=1
487	563	A0A9P5GIT1 A0A9P5GIT1_PENCR	336.13	43	39	33	2.0647E4	1.1572E4	9	9	13	11	Y	27061	Methylthioribulose-1-phosphate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=MDE1 PE=3 SV=1
397	760	A0A9P5GM56 A0A9P5GM56_PENCR	335.62	61	61	39	5.0437E4	9.518E2	10	10	25	6	Y	14921	HIT domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004657 PE=4 SV=1
457	223	A0A9P5GM95 A0A9P5GM95_PENCR	335.62	32	31	10	2.1042E4	2.4764E2	14	14	20	6	Y	57962	Glutamate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004717 PE=3 SV=1
395	719	A0A9P5KXU5 A0A9P5KXU5_PENCR	334.97	71	51	66	5.7629E4	4.0235E3	8	8	23	8	Y	15760	Superoxide dismutase [Cu-Zn] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003004 PE=3 SV=1
391	403	A0A9P5L8F2 A0A9P5L8F2_PENCR	334.75	17	17	14	3.2634E4	1.0741E4	11	11	16	15	Y	96463	Proliferating cell nuclear antigen OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005055 PE=3 SV=1

429	237	A0A9P5GQ66 A0A9P5GQ66_PENCR	334.71	31	31	2	4.3466E4	0	16	16	27	1	Y	60643	Malate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000910 PE=3 SV=1
161	574	A0A9P5GH94 A0A9P5GH94_PENCR	334.69	48	48	36	2.1707E5	1.3384E5	11	11	43	41	Y	26887	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001049 PE=4 SV=1
521	358	A0A9P5GWC4 A0A9P5GWC4_PENCR	334.54	46	46	6	1.6062E4	0	12	12	21	1	N	34669	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007068 PE=4 SV=1
345	148	A0A9P5L4B1 A0A9P5L4B1_PENCR	334.10	29	29	17	2.9175E4	3.5912E3	16	16	25	12	N	78561	1,4-alpha-glucan-branching enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005901 PE=3 SV=1
399	175	A0A9P5GMN2 A0A9P5GMN2_PENCR	334.02	13	13	6	3.711E4	4.3023E3	15	15	21	9	N	167018	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006935 PE=4 SV=1
560	267	A0A9P5GRV6 A0A9P5GRV6_PENCR	333.96	17	17	5	8.0473E3	2.1697E2	12	12	14	5	Y	96372	Phospholipase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002521 PE=3 SV=1
503	239	A0A9P5GCJ3 A0A9P5GCJ3_PENCR	333.67	37	37	0	3.2668E4		15	15	23	0	Y	46429	Adenylosuccinate synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001769 PE=3 SV=1
467	261	A0A9P5L5R4 A0A9P5L5R4_PENCR	333.50	23	23	0	1.7113E4		18	18	25	0	Y	74175	Acetyl-coenzyme A synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002236 PE=3 SV=1
466	182	A0A9P5GNG4 A0A9P5GNG4_PENCR	333.15	55	55	6	1.9491E4	0	15	15	23	2	Y	34898	RmID-like substrate binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006415 PE=4 SV=1
194	727	A0A9P5GQE9 A0A9P5GQE9_PENCR	332.53	34	34	17	5.0789E5	4.5607E2	12	12	68	2	Y	16038	Cytochrome c domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006339 PE=3 SV=1
499	470	A0A9P5L511 A0A9P5L511_PENCR	330.72	20	20	12	1.6651E4	3.6226E2	12	12	17	6	Y	61955	Methyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005160 PE=4 SV=1
347	224	A0A9P5GJ69 A0A9P5GJ69_PENCR	329.91	29	18	27	1.1474E4	7.676E3	18	18	17	20	Y	69129	Glucose-methanol-choline oxidoreductase N-terminal domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009709 PE=3 SV=1
366	436	A0A9P5L839 A0A9P5L839_PENCR	329.41	52	52	32	3.8715E4	3.1268E3	12	12	22	13	Y	26686	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007183 PE=3 SV=1
282	523	A0A9P5GIU8 A0A9P5GIU8_PENCR	329.29	39	39	0	1.0079E5		12	12	48	0	Y	30046	proteasome endopeptidase complex OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009884 PE=4 SV=1

417	1062	A0A9P5KYJ1 A0A9P5KYJ1_PENCR	329.29	32	32	4	8.6536E4	0	9	9	28	1	Y	20253	Proteasome subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008360 PE=3 SV=1
425	309	A0A9P5GUM9 A0A9P5GUM9_PENCR	328.86	30	30	20	1.732E4	2.7021E3	11	11	15	13	Y	48241	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007147 PE=3 SV=1
313	725	A0A9P5KXM1 A0A9P5KXM1_PENCR	328.42	26	26	12	1.4039E5	7.9526E2	8	8	38	4	Y	36016	Secreted protein CSS2 C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004062 PE=4 SV=1
205	758	A0A9P5GQR3 A0A9P5GQR3_PENCR	328.40	64	64	61	1.7765E5	1.5512E5	9	9	32	35	Y	18258	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002857 PE=3 SV=1
460	668	A0A9P5KWQ9 A0A9P5KWQ9_PENCR	327.93	55	55	40	3.9434E4	1.3511E3	9	9	17	9	Y	22866	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008718 PE=4 SV=1
650	512	A0A9P5L2N1 A0A9P5L2N1_PENCR	327.62	45	45	4	1.2239E4	0	10	10	14	1	Y	29653	TIM-barrel domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006745 PE=4 SV=1
416	525	A0A9P5GFQ8 A0A9P5GFQ8_PENCR	327.47	24	22	23	1.7775E4	2.811E4	10	10	12	17	Y	53276	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009964 PE=3 SV=1
491	850	A0A9P5L2F4 A0A9P5L2F4_PENCR	327.39	68	68	19	1.914E4	6.3527E2	10	10	21	3	Y	15643	Cofilin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008317 PE=3 SV=1
404	252	A0A9P5GG24 A0A9P5GG24_PENCR	326.84	42	42	6	3.2385E4	1.9549E2	15	15	27	3	Y	46515	Isovaleryl-CoA dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001246 PE=3 SV=1
656	617	A0A9P5KYX3 A0A9P5KYX3_PENCR	326.83	34	34	19	3.9819E3	0	9	9	11	4	Y	33465	Peroxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004728 PE=3 SV=1
230	467	A0A9P5L1Z5 A0A9P5L1Z5_PENCR	326.55	59	49	41	1.2715E5	9.1125E4	11	11	27	33	Y	28718	SGNH hydrolase-type esterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008999 PE=4 SV=1
246	443	A0A9P5GQG5 A0A9P5GQG5_PENCR	326.20	25	25	16	6.0855E4	6.7626E3	10	10	37	19	Y	58251	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006201 PE=3 SV=1
439	520	A0A9P5GAI6 A0A9P5GAI6_PENCR	325.58	36	36	14	2.1746E4	1.7329E3	11	11	24	4	Y	37426	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001766 PE=4 SV=1
706	968	A0A9P5GLB9 A0A9P5GLB9_PENCR	325.51	41	41	0	2.2513E4		7	7	13	0	Y	22534	Proteasome subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008353 PE=3 SV=1
353	323	A0A9P5GWD0 A0A9P5GWD0_PENCR	325.44	27	18	22	7.3167E3	1.4839E4	15	15	12	24	Y	63464	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000217 PE=4 SV=1

330	1134	A0A9P5KYS9 A0A9P5KYS9_PENCR	325.14	42	42	42	3.0845E5	1.0214E5	4	4	20	20	Y	18301	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002887 PE=4 SV=1
365	759	A0A9P5GMD8 A0A9P5GMD8_PENCR	324.67	89	66	89	4.3797E4	2.0342E4	7	7	20	15	Y	14640	Cytidine deaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008173 PE=3 SV=1
672	734	A0A9P5L5J2 A0A9P5L5J2_PENCR	324.66	22	22	9	8.4807E3	0	7	7	12	2	Y	42253	Cystathionine gamma-lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002832 PE=3 SV=1
339	669	A0A9P5KZG3 A0A9P5KZG3_PENCR	324.64	53	53	45	8.0064E4	5.1862E3	10	10	26	13	Y	25106	Pectate lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001713 PE=3 SV=1
151	5717	A0A9P5GPV6 A0A9P5GPV6_PENCR	324.55	24	24	23	4.1559E5	1.2137E4	6	6	72	13	Y	17258	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006600 PE=4 SV=1
516	313	A0A9P5GIU1 A0A9P5GIU1_PENCR	324.02	44	44	5	2.2728E4	0	14	14	21	1	Y	28974	40S ribosomal protein S3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007744 PE=3 SV=1
384	856	A0A9P5L8N2 A0A9P5L8N2_PENCR	323.85	33	33	33	1.825E4	3.6948E4	6	6	13	20	Y	39960	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005023 PE=4 SV=1
575	373	A0A9P5GH13 A0A9P5GH13_PENCR	323.62	32	32	14	1.3405E4	5.4596E2	10	10	14	4	Y	46049	Glutaryl-CoA dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009412 PE=3 SV=1
372	640	A0A9P5KZ14 A0A9P5KZ14_PENCR	323.35	32	26	19	1.3452E5	5.4587E4	8	8	21	13	Y	36773	Allergen Asp f 4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007611 PE=4 SV=1
634	242	A0A9P5GDH2 A0A9P5GDH2_PENCR	322.78	10	10	1	5.613E3	0	13	13	14	1	Y	195937	Uncharacterized protein (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009422 PE=3 SV=1
535	215	A0A9P5GM20 A0A9P5GM20_PENCR	322.37	24	24	0	1.875E4		16	16	21	0	Y	81728	Glycogen [starch] synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008418 PE=3 SV=1
446	229	A0A9P5KXZ4 A0A9P5KXZ4_PENCR	320.28	42	42	11	1.802E4	3.8252E2	15	15	22	5	Y	43722	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006264 PE=4 SV=1
671	423	A0A9P5GMK1 A0A9P5GMK1_PENCR	320.13	27	27	0	1.7954E4		11	11	14	0	Y	55694	UDP-N-acetylglucosamine diphosphorylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006886 PE=3 SV=1
329	478	A0A9P5L797 A0A9P5L797_PENCR	319.61	44	44	29	7.8941E4	1.0639E4	11	11	30	10	Y	30712	isopentenyl-diphosphate Delta-isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001452 PE=3 SV=1
704	632	A0A9P5L2J7 A0A9P5L2J7_PENCR	319.38	25	25	0	2.103E4		8	8	13	0	Y	44318	Septin-type G domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008304 PE=3 SV=1

274	656	A0A9P5L1R1 A0A9P5L1R1_PENCR	318.02	34	34	28	5.4781E4	1.0842E4	10	10	34	16	Y	42523	DUF1996 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007888 PE=4 SV=1
564	730	A0A9P5L3Y2 A0A9P5L3Y2_PENCR	317.66	42	42	0	4.8974E4		7	7	19	0	Y	16953	Ribose 5-phosphate isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003622 PE=3 SV=1
485	329	A0A9P5KXL5 A0A9P5KXL5_PENCR	317.24	34	34	9	1.7187E4	1.1915E3	13	13	20	4	N	51148	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009891 PE=3 SV=1
616	331	A0A9P5GRT7 A0A9P5GRT7_PENCR	316.43	30	30	16	8.2491E3	0	10	10	11	5	Y	44385	Aminotransferase class V domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002874 PE=4 SV=1
619	346	A0A9P5GCK7 A0A9P5GCK7_PENCR	315.64	23	21	6	8.9187E3	1.3511E2	11	11	11	5	Y	63151	Phosphoglucosmutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001658 PE=3 SV=1
472	589	A0A9P5GVD4 A0A9P5GVD4_PENCR	315.63	51	51	23	2.3941E4	1.7928E3	11	11	20	5	N	24353	Nitroreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002810 PE=4 SV=1
471	597	A0A9P5L490 A0A9P5L490_PENCR	315.48	45	45	0	6.6209E4		10	10	25	0	Y	31972	Endo-chitosanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006396 PE=3 SV=1
663	547	A0A9P5KVS2 A0A9P5KVS2_PENCR	315.42	18	18	0	1.0113E4		8	8	14	0	N	62053	aspartate--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001094 PE=3 SV=1
591	1128	A0A9P5GAM9 A0A9P5GAM9_PENCR	314.96	52	52	23	1.814E5	1.2013E3	4	4	15	3	Y	15450	Allergen Asp f 15 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001603 PE=3 SV=1
563	282	A0A9P5GB54 A0A9P5GB54_PENCR	314.93	30	30	0	1.2E4		13	13	19	0	Y	53054	mitochondrial processing peptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001046 PE=3 SV=1
369	355	A0A9P5GHW2 A0A9P5GHW2_PENCR	314.29	6	6	3	2.4319E4	3.3962E3	12	12	23	11	N	291550	JAB1/MPN/MOV34 metalloenzyme domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008954 PE=4 SV=1
444	235	A0A9P5GGE7 A0A9P5GGE7_PENCR	313.91	37	35	16	9.3555E3	7.5383E2	14	14	18	9	Y	51711	Guanine deaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001640 PE=3 SV=1
504	240	A0A9P5GJP3 A0A9P5GJP3_PENCR	313.75	34	32	13	2.0988E4	4.9241E3	13	13	16	7	Y	58678	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006611 PE=4 SV=1
484	649	A0A9P5L594 A0A9P5L594_PENCR	313.74	22	22	12	3.2398E4	5.117E3	8	8	16	8	Y	49717	Pre-mRNA-processing factor 19 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003232 PE=3 SV=1
565	280	A0A9P5G9Q4 A0A9P5G9Q4_PENCR	313.14	22	22	3	7.4301E3	7.4752E2	13	13	15	4	Y	85847	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003149 PE=3 SV=1

570	548	A0A9P5L286 A0A9P5L286_PENCR	312.94	26	26	0	2.816E4		12	12	19	0	Y	51674	Acetyltransferase component of pyruvate dehydrogenase complex OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002525 PE=3 SV=1
595	154	A0A9P5L3X8 A0A9P5L3X8_PENCR	312.22	30	30	0	1.543E4		15	15	17	0	Y	72423	V-type proton ATPase catalytic subunit A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006407 PE=3 SV=1
465	266	A0A9P5L3Y6 A0A9P5L3Y6_PENCR	311.69	29	29	9	2.2697E4	1.5868E3	12	12	19	6	Y	58814	Calcineurin-like phosphoesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006640 PE=4 SV=1
552	666	A0A9P5L883 A0A9P5L883_PENCR	311.46	32	32	8	2.757E4	1.7457E2	10	10	18	2	N	34085	Catechol dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007059 PE=3 SV=1
550	463	A0A9P5L2Y9 A0A9P5L2Y9_PENCR	310.99	25	18	18	6.9709E3	3.7323E3	12	12	9	11	Y	59886	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006435 PE=3 SV=1
514	1367	A0A9P5GPI9 A0A9P5GPI9_PENCR	310.86	45	45	45	8.8504E4	4.9377E3	5	5	16	7	Y	13203	Nuclear transport factor 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000293 PE=4 SV=1
598	500	A0A9P5L1L4 A0A9P5L1L4_PENCR	310.73	22	22	0	1.0187E4		9	9	17	0	Y	61444	Carboxypeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004173 PE=3 SV=1
576	325	A0A9P5L036 A0A9P5L036_PENCR	310.57	33	30	16	1.7396E4	1.4491E3	10	10	13	5	Y	38181	CN hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002202 PE=3 SV=1
305	895	A0A9P5GGK7 A0A9P5GGK7_PENCR	310.45	25	20	24	3.3219E4	9.7776E4	6	6	17	28	Y	40671	GH16 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009016 PE=4 SV=1
474	559	A0A9P5GKY8 A0A9P5GKY8_PENCR	309.94	51	51	33	3.0269E4	7.911E3	11	11	16	9	Y	19210	Phosphatidylglycerol/phosphatidylinositol transfer protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001311 PE=3 SV=1
519	249	A0A9P5GGH0 A0A9P5GGH0_PENCR	309.49	22	22	0	1.0111E4		13	13	22	0	Y	72761	glutamine--fructose-6-phosphate transaminase (isomerizing) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000983 PE=4 SV=1
383	477	A0A9P5KZ75 A0A9P5KZ75_PENCR	309.22	45	45	32	3.8817E4	1.5394E3	10	10	27	6	Y	35269	prephenate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004419 PE=4 SV=1
544	310	A0A9P5GQY5 A0A9P5GQY5_PENCR	309.09	36	36	0	1.8477E5		13	13	20	0	Y	50321	Tubulin alpha chain OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003641 PE=3 SV=1
687	351	A0A9P5GLW4 A0A9P5GLW4_PENCR	308.94	26	26	0	1.0541E4		10	10	13	0	N	55707	Vacuolar proton pump subunit B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006328 PE=3 SV=1
496	678	A0A9P5GGG4 A0A9P5GGG4_PENCR	308.69	58	58	9	3.8197E4	8.9149E2	9	9	22	2	Y	26322	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001065 PE=4 SV=1

723	608	A0A9P5GBA2 A0A9P5GBA2_PENCR	308.65	49	49	0	7.2761E3		9	9	12	0	Y	25089	NlpC/P60 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002922 PE=3 SV=1
578	376	A0A9P5GE50 A0A9P5GE50_PENCR	308.52	21	21	0	6.7536E3		12	12	18	0	Y	85374	Protein transport protein SEC23 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009032 PE=3 SV=1
600	570	A0A9P5GPA2 A0A9P5GPA2_PENCR	308.25	51	51	0	4.4963E4		10	10	17	0	Y	25567	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004467 PE=4 SV=1
362	853	A0A9P5GLL6 A0A9P5GLL6_PENCR	307.94	69	69	0	7.6533E4		9	9	36	0	Y	13885	peptidylprolyl isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007606 PE=4 SV=1
495	606	U6A8H3 U6A8H3_PENCR	307.71	21	21	14	1.9468E4	2.1837E3	8	6	20	4	Y	48610	cellulase (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=egl1 PE=2 SV=1
495	607	A0A9P5L2X0 A0A9P5L2X0_PENCR	307.71	19	19	13	1.9468E4	2.1837E3	8	6	20	4	Y	53303	cellulase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006553 PE=3 SV=1
546	393	A0A9P5GHU6 A0A9P5GHU6_PENCR	307.31	46	46	7	2.3622E4	0	12	12	18	2	Y	30550	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008485 PE=4 SV=1
326	791	A0A9P5L2Y8 A0A9P5L2Y8_PENCR	307.05	49	49	42	2.8407E4	8.0535E3	8	8	23	18	Y	18889	DUF1993 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010221 PE=4 SV=1
483	493	A0A9P5GPH3 A0A9P5GPH3_PENCR	307.02	27	27	10	4.4539E4	4.6869E2	9	9	20	4	Y	35429	Thiamine thiazole synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005859 PE=3 SV=1
396	402	A0A9P5L3S6 A0A9P5L3S6_PENCR	306.94	29	24	23	1.6453E4	8.6721E3	11	11	16	15	Y	56206	Rhamnogalacturonate lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006610 PE=3 SV=1
388	348	A0A9P5GTX5 A0A9P5GTX5_PENCR	306.80	54	50	51	2.8332E4	5.1037E3	11	11	19	13	Y	26612	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008828 PE=4 SV=1
856	813	A0A9P5GAV0 A0A9P5GAV0_PENCR	306.67	20	20	0	6.2507E3		7	7	8	0	Y	49148	SUN OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001269 PE=3 SV=1
601	428	A0A9P5L7I5 A0A9P5L7I5_PENCR	306.22	34	34	0	1.7051E4		14	14	17	0	Y	37856	Adenosine kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009535 PE=3 SV=1
454	488	A0A9P5GWF5 A0A9P5GWF5_PENCR	306.08	27	21	19	2.0951E4	8.1462E3	9	9	13	13	Y	47735	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001442 PE=3 SV=1
524	371	A0A9P5GKC2 A0A9P5GKC2_PENCR	305.98	26	19	13	5.6381E3	2.4008E2	11	11	16	6	Y	60477	Importin subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006300 PE=3 SV=1

498	975	A0A9P5GQB7 A0A9P5GQB7_PENCR	305.59	23	23	17	2.6612E4	1.8342E4	6	6	12	12	Y	41722	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003332 PE=4 SV=1
490	518	A0A9P5GCU0 A0A9P5GCU0_PENCR	305.42	32	32	23	1.0217E4	7.2084E3	8	8	13	11	Y	43931	Cytidyltransferase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001510 PE=4 SV=1
398	605	A0A9P5GUL6 A0A9P5GUL6_PENCR	305.05	21	15	21	1.2681E4	1.69E4	8	8	14	17	Y	74887	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004944 PE=3 SV=1
318	391	A0A9P5GIG1 A0A9P5GIG1_PENCR	304.85	22	18	10	4.5768E4	1.417E4	14	14	27	14	Y	80808	glutamate--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008424 PE=3 SV=1
538	509	A0A9P5GMA9 A0A9P5GMA9_PENCR	304.83	40	40	0	2.013E4		11	11	21	0	Y	31065	ABC transporter domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007232 PE=4 SV=1
760	939	A0A9P5GL87 A0A9P5GL87_PENCR	304.53	59	59	0	2.9808E4		6	6	11	0	Y	12938	peptidylprolyl isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006689 PE=3 SV=1
355	600	A0A9P5GCT0 A0A9P5GCT0_PENCR	304.34	30	15	30	6.2794E3	2.0073E4	12	12	14	22	Y	41464	Tyrosinase copper-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002166 PE=4 SV=1
677	475	A0A9P5GGQ8 A0A9P5GGQ8_PENCR	303.82	31	31	2	1.5978E4	0	11	11	13	1	Y	48645	Tubulin beta chain OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009728 PE=3 SV=1
677	486	G5CIU5 G5CIU5_PENCR	303.82	39	39	3	1.5978E4	0	11	11	13	1	Y	39584	Tubulin beta chain (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 PE=3 SV=1
523	361	A0A4Y5FHH0 A0A4Y5FHH0_PENCR	303.65	20	10	20	4.202E3	5.3908E3	10	10	5	17	Y	65138	Putative conidial pigment biosynthesis oxidase Arb2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004015 PE=3 SV=1
716	646	A0A9P5GGA7 A0A9P5GGA7_PENCR	303.40	24	24	0	1.0189E4		8	8	12	0	Y	39884	S-(hydroxymethyl)glutathione dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007486 PE=3 SV=1
631	586	A0A9P5GKY1 A0A9P5GKY1_PENCR	303.03	35	35	4	1.1663E4	0	9	9	15	1	Y	31156	S-formylglutathione hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006966 PE=3 SV=1
420	972	A0A9P5L5K7 A0A9P5L5K7_PENCR	302.60	32	32	28	3.4567E4	3.6648E4	5	5	10	19	Y	30327	FMN-binding split barrel-related protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002877 PE=4 SV=1
414	502	A0A9P5GDN1 A0A9P5GDN1_PENCR	302.22	71	71	38	1.2578E4	0	12	12	23	6	Y	19280	CCHC-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000818 PE=4 SV=1
371	419	A0A9P5KWG1 A0A9P5KWG1_PENCR	302.21	20	20	8	2.868E4	7.4763E3	12	12	19	15	Y	73732	Endoplasmic reticulum chaperone BiP OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009702 PE=3 SV=1

508	311	A0A9P5GG50 A0A9P5GG50_PENCR	301.52	22	20	13	1.0876E4	1.847E3	11	11	16	7	Y	65467	Adenosine deaminase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007694 PE=4 SV=1
604	781	A0A9P5GAR0 A0A9P5GAR0_PENCR	300.95	36	36	25	1.7982E4	2.4192E3	7	7	12	5	Y	21676	adenine phosphoribosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001538 PE=3 SV=1
714	303	A0A9P5GIY6 A0A9P5GIY6_PENCR	300.89	6	6	0	3.6373E3		10	10	12	0	N	224936	Nucleoprotein TPR/MLP1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007682 PE=4 SV=1
555	807	A0A9P5GL46 A0A9P5GL46_PENCR	300.59	47	36	42	2.3587E4	1.2287E4	6	6	9	11	Y	17734	Isochorismatase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009005 PE=3 SV=1
636	286	A0A9P5GJN7 A0A9P5GJN7_PENCR	300.56	23	23	0	9.241E3		12	12	15	0	Y	72794	methionine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009364 PE=3 SV=1
520	276	A0A9P5KWB2 A0A9P5KWB2_PENCR	300.13	32	23	32	8.5896E3	5.3173E3	10	10	8	14	Y	45266	Aminotransferase class I/classII large domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002733 PE=3 SV=1
647	332	A0A9P5GJ55 A0A9P5GJ55_PENCR	298.43	29	29	0	1.8248E4		13	13	15	0	Y	57621	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005404 PE=3 SV=1
522	471	A0A9P5L434 A0A9P5L434_PENCR	296.46	39	39	15	1.9401E4	3.1685E3	10	10	16	6	Y	39849	Tryptophan synthase beta chain-like PALP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006422 PE=4 SV=1
458	746	A0A9P5L842 A0A9P5L842_PENCR	296.39	44	44	17	5.4817E4	2.3494E3	7	7	15	11	N	24705	Superoxide dismutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008013 PE=3 SV=1
615	195	A0A9P5GPY8 A0A9P5GPY8_PENCR	296.38	9	9	0	4.8455E3		15	15	16	0	N	231026	Malonyl-CoA:ACP transacylase (MAT) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006646 PE=3 SV=1
500	247	A0A9P5GN02 A0A9P5GN02_PENCR	296.22	19	16	15	5.7673E3	2.5851E3	12	12	12	11	Y	78427	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005318 PE=3 SV=1
422	320	A0A9P5GFR9 A0A9P5GFR9_PENCR	295.33	9	4	9	5.188E3	8.4981E3	13	13	8	20	Y	165897	Nuclear pore complex subunit Nup159 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009885 PE=4 SV=1
536	201	A0A9P5GGS9 A0A9P5GGS9_PENCR	294.54	33	33	0	1.0601E4		15	15	21	0	Y	58056	Pyruvate kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009841 PE=3 SV=1
541	377	A0A9P5GLY1 A0A9P5GLY1_PENCR	294.07	28	28	0	1.9796E4		12	12	21	0	Y	51068	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007507 PE=3 SV=1
692	319	A0A9P5L4K2 A0A9P5L4K2_PENCR	293.94	23	23	0	6.5893E3		11	11	13	0	Y	67733	Suppressor of forked domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005622 PE=3 SV=1

691	401	A0A9P5KYL5 A0A9P5KYL5_PENCR	293.78	15	15	0	7.0533E3		9	9	13	0	Y	99435	Vacuolar protein sorting-associated protein 35 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005141 PE=3 SV=1
561	349	A0A9P5GCL4 A0A9P5GCL4_PENCR	293.29	20	18	5	3.182E4	2.7758E3	12	12	17	2	N	59736	ATP synthase subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002080 PE=3 SV=1
639	414	A0A9P5GQH5 A0A9P5GQH5_PENCR	293.26	27	20	12	2.858E3	3.9133E2	9	9	8	7	Y	55226	Xaa-Pro aminopeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006216 PE=3 SV=1
568	692	A0A9P5GQ85 A0A9P5GQ85_PENCR	292.99	47	33	47	4.9755E3	9.5857E3	7	7	8	11	N	26060	Alpha-galactosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006428 PE=3 SV=1
764	541	A0A9P5GHV5 A0A9P5GHV5_PENCR	292.71	26	26	0	3.7349E3		7	7	10	0	Y	42083	SAM-dependent methyltransferase Erg6/SMT-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008136 PE=3 SV=1
740	439	A0A9P5GRB9 A0A9P5GRB9_PENCR	292.43	38	38	0	4.8598E3		9	9	11	0	Y	29303	40S ribosomal protein S4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005269 PE=3 SV=1
549	977	A0A9P5KZV8 A0A9P5KZV8_PENCR	292.26	63	63	0	1.3147E5		6	6	20	0	Y	11302	Thioredoxin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002771 PE=3 SV=1
635	375	A0A9P5GEN8 A0A9P5GEN8_PENCR	291.50	14	14	0	7.5999E3		8	8	15	0	Y	85627	ATP-dependent 6-phosphofructokinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000508 PE=3 SV=1
434	549	A0A9P5GL30 A0A9P5GL30_PENCR	290.96	26	26	18	1.2512E4	3.1576E3	8	8	14	14	Y	44943	Epoxide hydrolase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007869 PE=3 SV=1
737	365	A0A9P5GP18 A0A9P5GP18_PENCR	290.75	6	6	0	1.8633E3		9	9	11	0	N	203901	Fatty acid synthase subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006647 PE=3 SV=1
588	1079	A0A9P5GIU2 A0A9P5GIU2_PENCR	290.55	45	45	20	7.489E4	4.4425E3	5	5	15	3	Y	16492	E2 ubiquitin-conjugating enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009411 PE=3 SV=1
622	274	A0A9P5KZM0 A0A9P5KZM0_PENCR	290.43	45	45	0	9.5744E3		12	12	16	0	Y	37598	CRAL-TRIO domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010643 PE=4 SV=1
664	306	A0A9P5GC98 A0A9P5GC98_PENCR	290.29	12	12	0	1.2065E4		11	11	14	0	Y	117476	ABC transporter domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002384 PE=3 SV=1
281	983	A0A9P5GDX3 A0A9P5GDX3_PENCR	290.25	30	21	30	1.2161E5	5.1142E4	6	6	27	22	Y	31550	Chitin-binding type-4 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001069 PE=3 SV=1

481	384	A0A9P5L0S0 A0A9P5L0S0_PENCR	290.04	16	16	10	1.3972E4	4.4106E3	10	10	14	10	Y	72318	Tail specific protease domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010578 PE=4 SV=1
649	508	A0A9P5GK16 A0A9P5GK16_PENCR	289.88	19	12	15	8.8345E3	8.5176E3	8	8	9	6	Y	58421	Meiotically up-regulated gene 157 protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008578 PE=4 SV=1
641	770	A0A9P5GFH6 A0A9P5GFH6_PENCR	289.84	16	16	11	1.1506E4	1.7661E3	7	7	12	3	Y	41779	Lytic polysaccharide monooxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001199 PE=4 SV=1
539	741	A0A9P5L0Q0 A0A9P5L0Q0_PENCR	289.75	63	35	63	5.5372E3	8.5031E3	8	8	6	15	Y	18488	DUF1348-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010564 PE=4 SV=1
751	935	A0A9P5GQZ4 A0A9P5GQZ4_PENCR	289.68	52	52	0	1.1534E4		7	7	11	0	N	14105	Ribosomal protein L22e OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003438 PE=3 SV=1
744	491	A0A9P5GKP0 A0A9P5GKP0_PENCR	288.76	12	12	0	3.2441E3		8	8	11	0	N	96886	MaoC-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008674 PE=3 SV=1
645	556	A0A9P5L6H0 A0A9P5L6H0_PENCR	288.62	36	36	11	8.7061E3	2.4545E2	9	9	12	3	Y	35865	Nudix hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002775 PE=4 SV=1
566	472	A0A9P5L1Y5 A0A9P5L1Y5_PENCR	287.34	28	28	8	1.3472E4	2.948E2	10	10	16	3	Y	46519	Mandelate racemase/muconate lactonizing enzyme C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003278 PE=4 SV=1
741	591	A0A9P5GHF0 A0A9P5GHF0_PENCR	287.33	39	39	4	1.1697E4	0	8	8	10	1	Y	32640	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000816 PE=3 SV=1
419	854	A0A9P5KZV9 A0A9P5KZV9_PENCR	286.53	45	45	45	2.3131E4	1.1126E4	8	8	15	14	Y	17448	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010420 PE=4 SV=1
573	639	A0A9P5L3C4 A0A9P5L3C4_PENCR	286.31	22	22	3	6.0333E4	5.9385E2	7	7	17	2	Y	38288	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005913 PE=3 SV=1
710	784	A0A9P5KY26 A0A9P5KY26_PENCR	285.60	21	10	21	9.853E3	1.4114E4	5	5	5	8	N	45595	mannan endo-1,4-beta-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002455 PE=3 SV=1
585	643	A0A9P5GET9 A0A9P5GET9_PENCR	285.15	48	29	48	2.271E3	3.1472E3	8	8	7	11	Y	22099	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010571 PE=4 SV=1
593	487	A0A9P5GNM3 A0A9P5GNM3_PENCR	284.74	39	39	5	8.9338E4	2.6567E2	11	11	15	2	Y	36747	Alpha/beta hydrolase fold-3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004602 PE=4 SV=1

531	459	A0A9P5KZ87 A0A9P5KZ87_PENCR	284.69	30	30	12	1.6514E4	1.5338E2	11	11	17	5	N	39997	Thiaminase-2/PQQC domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000705 PE=4 SV=1
715	422	A0A9P5GNM8 A0A9P5GNM8_PENCR	284.38	14	14	0	5.2892E3		8	8	12	0	Y	77533	Tryptophan synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006327 PE=3 SV=1
610	1092	A0A9P5L0H2 A0A9P5L0H2_PENCR	284.23	34	34	16	4.0913E4	8.5467E2	4	4	15	2	Y	20044	DUF967 domain protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009703 PE=4 SV=1
512	378	A0A9P5GVU4 A0A9P5GVU4_PENCR	283.93	36	31	17	1.0997E4	2.1732E3	12	12	16	7	Y	46314	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000254 PE=4 SV=1
515	674	A0A9P5GJZ6 A0A9P5GJZ6_PENCR	283.60	46	46	16	1.2489E4	1.5292E2	8	8	18	5	Y	24980	CCHC-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006885 PE=4 SV=1
695	503	A0A9P5GGC8 A0A9P5GGC8_PENCR	283.23	24	24	0	1.8317E4		9	9	13	0	Y	48858	K Homology domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009887 PE=4 SV=1
766	482	A0A9P5L5L9 A0A9P5L5L9_PENCR	283.19	22	22	0	6.0022E3		9	9	10	0	N	54732	Eukaryotic translation initiation factor 3 subunit L OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004594 PE=3 SV=1
653	1355	A0A9P5GE87 A0A9P5GE87_PENCR	283.11	69	69	35	3.63E4	5.0189E2	4	4	13	2	Y	10326	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003553 PE=4 SV=1
574	476	A0A9P5GSQ3 A0A9P5GSQ3_PENCR	282.99	15	15	4	1.0316E4	1.5142E3	9	9	15	3	N	80026	Polyadenylate-binding protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004757 PE=3 SV=1
406	735	A0A9P5L3Y8 A0A9P5L3Y8_PENCR	282.83	51	40	51	5.1126E3	7.0713E3	8	8	12	18	N	16217	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006438 PE=3 SV=1
486	490	A0A9P5KYK7 A0A9P5KYK7_PENCR	282.50	22	22	20	1.9101E4	6.9667E3	9	9	12	12	Y	48244	Aminotransferase class I/classII large domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005304 PE=3 SV=1
579	404	A0A9P5GVW3 A0A9P5GVW3_PENCR	282.20	37	37	17	9.5326E3	7.5281E2	11	11	13	5	Y	30727	Enoyl-CoA hydratase/isomerase family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008906 PE=3 SV=1
502	176	A0A9P5GBE4 A0A9P5GBE4_PENCR	281.70	21	21	0	1.0465E4		20	20	23	0	Y	125919	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000682 PE=4 SV=1
767	521	A0A9P5GIN2 A0A9P5GIN2_PENCR	281.58	15	15	0	3.7972E3		8	8	10	0	N	81083	Glutamine-dependent NAD(+) synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008268 PE=3 SV=1
701	933	A0A9P5GMB2 A0A9P5GMB2_PENCR	280.48	21	21	0	1.7161E4		6	6	13	0	Y	28862	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004551 PE=4 SV=1

394	293	A0A9P5KYX1 A0A9P5KYX1_PENCR	280.41	25	25	2	5.2879E4	0	13	13	30	1	Y	56439	Translation initiation factor 5A-like N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002648 PE=4 SV=1
703	562	A0A9P5L006 A0A9P5L006_PENCR	280.31	33	33	2	5.6748E3	0	10	10	12	1	Y	32941	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010141 PE=3 SV=1
559	244	A0A9P5GK92 A0A9P5GK92_PENCR	280.23	13	13	3	5.4766E3	3.7413E2	13	13	16	3	Y	133494	Pre-mRNA-splicing factor rse1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004703 PE=3 SV=1
449	864	A0A9P5L5G1 A0A9P5L5G1_PENCR	280.18	21	21	19	2.0582E4	1.7657E4	7	7	15	12	Y	42800	Phosphatidylinositol-specific phospholipase C X domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004439 PE=4 SV=1
517	413	A0A9P5L417 A0A9P5L417_PENCR	280.14	29	17	25	1.0245E4	9.1225E3	10	10	9	13	Y	40756	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003727 PE=3 SV=1
435	950	A0A9P5L5M6 A0A9P5L5M6_PENCR	279.32	26	26	25	3.8055E4	2.3716E4	5	5	20	8	N	23348	5-formyltetrahydrofolate cyclo-ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002554 PE=3 SV=1
411	234	A0A9P5L175 A0A9P5L175_PENCR	279.15	60	34	52	4.9991E3	4.3828E3	16	16	11	18	Y	33502	Endonuclease/exonuclease/phosphatase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008597 PE=4 SV=1
310	689	A0A9P5L1Z6 A0A9P5L1Z6_PENCR	279.14	28	26	25	1.7693E5	6.7646E4	9	9	24	19	N	32948	Mono- and diacylglycerol lipase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000240 PE=4 SV=1
426	437	A0A9P5KZG7 A0A9P5KZG7_PENCR	278.86	39	39	23	3.0326E4	3.1013E3	9	9	20	8	Y	28067	HAD superfamily hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000428 PE=4 SV=1
572	618	A0A9P5L4M2 A0A9P5L4M2_PENCR	278.73	31	31	4	3.3562E4	0	9	9	17	2	N	34050	Protein transport protein SEC13 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004360 PE=3 SV=1
673	550	A0A9P5GBW2 A0A9P5GBW2_PENCR	277.56	28	28	8	6.6888E3	0	8	8	10	4	Y	40922	Delta-aminolevulinic acid dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002338 PE=3 SV=1
629	662	A0A9P5GTY7 A0A9P5GTY7_PENCR	277.55	31	31	4	2.9535E4	0	8	8	15	1	Y	32265	Small ribosomal subunit protein uS2 OS= <i>Penicillium crustosum</i> OX=36656 GN=RPS0 PE=3 SV=1
620	604	A0A9P5L046 A0A9P5L046_PENCR	277.32	48	48	18	1.117E4	1.0132E3	7	7	11	5	Y	21969	Vacuolar protein sorting-associated protein 29 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005996 PE=3 SV=1
603	683	A0A9P5GB30 A0A9P5GB30_PENCR	277.26	19	10	19	3.3002E3	6.5735E3	7	7	6	11	N	58033	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001143 PE=3 SV=1

618	614	A0A9P5GG52 A0A9P5GG52_PENCR	276.99	18	15	13	3.5941E3	2.4726E3	7	7	9	7	Y	47302	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009756 PE=3 SV=1
617	385	A0A9P5GEG6 A0A9P5GEG6_PENCR	276.68	28	28	0	8.4382E3		10	10	16	0	N	47047	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008670 PE=4 SV=1
526	560	A0A9P5GP47 A0A9P5GP47_PENCR	276.60	13	11	10	6.2922E3	1.1137E3	9	9	12	10	Y	79174	glucan endo-1,3-beta-D-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004761 PE=3 SV=1
501	307	A0A9P5GLI4 A0A9P5GLI4_PENCR	276.43	28	28	3	2.3922E4	1.7458E2	13	13	22	1	Y	53727	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005219 PE=4 SV=1
667	469	A0A9P5L1I2 A0A9P5L1I2_PENCR	276.34	24	22	12	4.4766E3	4.8106E2	8	8	8	6	Y	49920	HypA-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008270 PE=4 SV=1
688	328	A0A9P5GT69 A0A9P5GT69_PENCR	276.22	12	12	0	5.0443E3		10	10	13	0	Y	118694	2-oxoglutarate dehydrogenase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008021 PE=3 SV=1
548	652	A0A9P5GJ30 A0A9P5GJ30_PENCR	275.02	14	12	14	7.6714E3	5.2105E3	6	6	11	9	Y	56124	1,3-beta-glucanosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008224 PE=3 SV=1
651	544	A0A9P5GXZ1 A0A9P5GXZ1_PENCR	274.61	47	47	0	1.0793E4		10	10	15	0	N	23188	ABM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006205 PE=4 SV=1
810	545	A0A9P5L2L9 A0A9P5L2L9_PENCR	274.39	28	28	0	8.4941E3		8	8	9	0	Y	40136	Neuraminidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008230 PE=4 SV=1
407	971	A0A9P5KYY8 A0A9P5KYY8_PENCR	274.12	33	24	32	3.6936E4	9.2223E4	6	6	12	18	Y	37447	lytic cellulose monooxygenase (C4-dehydrogenating) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002484 PE=3 SV=1
763	284	A0A9P5KYV0 A0A9P5KYV0_PENCR	274.10	14	14	0	3.865E3		10	10	10	0	Y	100362	Protein transport protein SEC24 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004652 PE=3 SV=1
489	458	A0A9P5GPJ7 A0A9P5GPJ7_PENCR	274.04	24	16	15	1.1568E4	1.5609E4	9	9	10	14	Y	61162	FeS cluster biogenesis domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004589 PE=3 SV=1
506	406	A0A9P5L4C6 A0A9P5L4C6_PENCR	273.94	32	10	32	8.7373E1	4.3178E3	12	8	7	16	Y	44104	mannan endo-1,4-beta-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005967 PE=3 SV=1
553	867	A0A9P5GNF3 A0A9P5GNF3_PENCR	273.93	14	12	12	9.2709E3	4.0937E3	6	6	10	10	Y	47410	Rhamnogalacturonase A/B/Epimerase-like pectate lyase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006579 PE=3 SV=1

577	609	A0A9P5GJP5 A0A9P5GJP5_PENCR	273.17	9	9	7	1.1751E4	4.2127E2	8	8	10	8	N	92268	Vesicular-fusion protein SEC18 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005162 PE=3 SV=1
659	675	A0A9P5GN15 A0A9P5GN15_PENCR	273.12	30	30	0	5.8197E3		8	8	15	0	Y	45116	Agmatinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004085 PE=3 SV=1
614	357	A0A9P5GK27 A0A9P5GK27_PENCR	273.04	17	15	9	6.2147E3	5.61E2	10	10	11	5	Y	62389	STI1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006934 PE=4 SV=1
351	928	A0A9P5GJF9 A0A9P5GJF9_PENCR	272.74	32	32	24	7.8419E4	1.5485E4	10	10	25	12	Y	23499	CS domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009066 PE=3 SV=1
368	5715	A0A9P5L2M5 A0A9P5L2M5_PENCR	272.44	32	32	29	2.6927E5	2.5476E3	4	4	29	6	Y	13767	ribonuclease T1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008105 PE=3 SV=1
513	622	A0A9P5GLG5 A0A9P5GLG5_PENCR	272.08	33	30	26	1.982E4	1.5135E4	8	8	11	12	Y	31684	Inositol-1-monophosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006650 PE=3 SV=1
537	409	A0A9P5L6B7 A0A9P5L6B7_PENCR	271.97	21	21	9	1.0474E4	1.4865E3	11	11	14	7	N	58318	Glucose-methanol-choline oxidoreductase N-terminal domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003870 PE=3 SV=1
433	691	A0A9P5GDJ5 A0A9P5GDJ5_PENCR	271.93	55	55	19	1.9774E4	1.1941E3	8	8	21	7	Y	21131	6,7-dimethyl-8-ribityllumazine synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000984 PE=3 SV=1
697	420	A0A9P5GMU9 A0A9P5GMU9_PENCR	271.71	19	19	3	1.2737E4	3.4298E2	10	10	11	2	N	73851	alkaline phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002256 PE=3 SV=1
562	400	A0A9P5GFP6 A0A9P5GFP6_PENCR	271.58	12	12	4	1.2075E4	3.9626E2	10	10	14	5	N	98651	Heterokaryon incompatibility Het-C OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001558 PE=4 SV=1
497	1018	A0A9P5GJE3 A0A9P5GJE3_PENCR	271.05	16	16	0	9.5883E4		6	6	24	0	Y	28045	Allergen Asp f 7 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005370 PE=4 SV=1
510	426	A0A9P5GJ72 A0A9P5GJ72_PENCR	270.96	33	20	33	6.0742E3	1.8891E4	10	10	6	17	Y	41512	pectinesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007548 PE=3 SV=1
754	821	A0A9P5GQ49 A0A9P5GQ49_PENCR	270.47	40	40	0	1.2468E4		6	6	11	0	N	19250	ATP synthase subunit d, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000880 PE=3 SV=1
689	529	A0A9P5L781 A0A9P5L781_PENCR	270.41	8	8	0	4.0354E3		11	11	13	0	Y	141655	Transcriptional corepressor Cyc8 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000971 PE=3 SV=1

583	581	A0A9P5GFV7 A0A9P5GFV7_PENCR	269.92	52	52	12	1.085E4	4.7772E2	7	7	14	4	Y	20354	Acireductone dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=ADI1 PE=3 SV=1
885	774	A0A9P5KXB3 A0A9P5KXB3_PENCR	269.85	14	14	0	2.8083E3		5	5	7	0	Y	48872	FAD dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007450 PE=4 SV=1
276	1039	A0A9P5H040 A0A9P5H040_PENCR	269.34	52	52	52	9.2387E4	2.5556E4	7	7	28	22	Y	11586	Ethyl tert-butyl ether degradation EthD OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000143 PE=3 SV=1
894	742	A0A9P5L0D7 A0A9P5L0D7_PENCR	269.24	23	23	0	4.707E3		7	7	7	0	Y	36891	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005754 PE=4 SV=1
702	481	A0A9P5GJ28 A0A9P5GJ28_PENCR	268.63	33	33	0	1.2428E4		9	9	13	0	N	32149	Mitochondrial thiamine pyrophosphate carrier 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005538 PE=3 SV=1
494	1130	A0A9P5GGB1 A0A9P5GGB1_PENCR	268.41	18	18	18	3.235E4	2.5771E4	6	6	11	13	Y	31614	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009848 PE=4 SV=1
376	300	A0A9P5GVE7 A0A9P5GVE7_PENCR	268.12	47	39	34	2.9068E4	6.5894E3	17	17	20	14	Y	40644	Pantoate--beta-alanine ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002825 PE=3 SV=1
533	198	A0A9P5L706 A0A9P5L706_PENCR	267.66	14	14	0	8.7051E3		16	16	21	0	Y	148744	xanthine dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002268 PE=3 SV=1
802	602	A0A9P5GLN9 A0A9P5GLN9_PENCR	267.07	21	21	0	5.4189E3		7	7	9	0	N	42275	3-methyl-2-oxobutanoate dehydrogenase (2-methylpropanoyl-transferring) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004268 PE=4 SV=1
597	399	A0A9P5L3X7 A0A9P5L3X7_PENCR	267.03	24	24	0	7.0481E3		10	10	17	0	Y	57051	Catalase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003607 PE=3 SV=1
556	580	A0A9P5L8E6 A0A9P5L8E6_PENCR	266.70	29	29	23	6.5518E3	1.2147E3	10	9	14	6	Y	37173	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005040 PE=3 SV=1
529	505	A0A9P5GER6 A0A9P5GER6_PENCR	266.55	38	38	24	2.7313E4	2.1498E3	10	10	15	7	N	30016	Nudix hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000426 PE=4 SV=1
857	564	A0A9P5GDZ3 A0A9P5GDZ3_PENCR	266.30	22	22	0	3.3516E3		6	6	8	0	Y	39818	Actin-related protein 2/3 complex subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001002 PE=3 SV=1
509	1053	A0A9P5GVT8 A0A9P5GVT8_PENCR	265.97	37	37	26	8.5174E4	5.821E3	5	5	17	6	Y	15574	Ethanolamine utilization protein EutQ OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003768 PE=4 SV=1

742	530	A0A9P5GR79 A0A9P5GR79_PENCR	265.45	25	25	7	3.425E3	0	8	8	8	3	Y	40223	Aromatic amino acid beta-eliminating lyase/threonine aldolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002276 PE=3 SV=1
683	711	A0A9P5L5Y6 A0A9P5L5Y6_PENCR	264.73	25	21	15	6.8229E3	8.4844E3	7	7	6	8	Y	43118	LysM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003990 PE=4 SV=1
640	590	A0A9P5GTA3 A0A9P5GTA3_PENCR	264.61	16	14	10	2.3475E3	2.8517E2	8	3	10	5	N	62027	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009651 PE=3 SV=1
511	496	A0A9P5GT01 A0A9P5GT01_PENCR	264.49	36	36	10	2.6738E4	2.2886E3	9	9	19	4	Y	29867	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000912 PE=3 SV=1
722	410	A0A9P5GRI7 A0A9P5GRI7_PENCR	264.48	27	27	0	8.7528E3		10	10	12	0	Y	52537	2-oxoisovalerate dehydrogenase subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006158 PE=3 SV=1
682	671	A0A9P5GFS6 A0A9P5GFS6_PENCR	264.08	38	27	25	4.713E3	1.8891E3	8	8	7	7	Y	35756	Thioredoxin reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010509 PE=3 SV=1
758	703	A0A9P5GAB9 A0A9P5GAB9_PENCR	264.07	30	30	3	8.8458E3	0	6	6	10	1	Y	30123	GST N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002057 PE=4 SV=1
662	636	A0A9P5GL28 A0A9P5GL28_PENCR	263.85	14	8	11	2.2765E3	1.157E3	7	7	5	9	Y	87547	Alpha-1,2-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006866 PE=4 SV=1
447	519	A0A9P5L1X6 A0A9P5L1X6_PENCR	263.79	36	36	7	5.9814E4	7.222E2	11	11	25	2	N	34055	SMP-30/Gluconolactonase/LRE-like region domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007794 PE=3 SV=1
584	625	A0A9P5GL83 A0A9P5GL83_PENCR	263.08	27	24	16	1.0386E4	1.9791E3	9	9	13	5	Y	45781	Phytanoyl-CoA dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006536 PE=4 SV=1
608	792	A0A9P5GVG1 A0A9P5GVG1_PENCR	263.01	16	9	16	6.4413E3	1.0376E4	6	6	7	10	Y	57122	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005073 PE=3 SV=1
733	679	A0A9P5GED9 A0A9P5GED9_PENCR	262.25	18	18	0	1.6268E4		9	9	12	0	N	60783	VWFA domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010589 PE=4 SV=1
804	554	A0A9P5KYI3 A0A9P5KYI3_PENCR	261.83	17	17	0	1.1432E4		7	7	9	0	N	48746	glutamate-5-semialdehyde dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003397 PE=3 SV=1
654	333	A0A9P5GPL8 A0A9P5GPL8_PENCR	261.66	34	34	0	7.9185E3		11	11	15	0	Y	44439	ATP-dependent RNA helicase eIF4A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003982 PE=3 SV=1

892	753	A0A9P5GGU2 A0A9P5GGU2_PENCR	261.59	15	11	6	5.9133E3	1.8458E2	5	5	5	2	N	54048	Glutamate-rich WD repeat-containing protein 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009210 PE=4 SV=1
450	990	A0A9P5L0F1 A0A9P5L0F1_PENCR	261.48	11	11	8	3.8455E4	1.0308E4	5	5	15	12	N	60388	endo-1,3(4)-beta-glucanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000545 PE=3 SV=1
757	663	A0A9P5GI17 A0A9P5GI17_PENCR	261.31	26	26	0	6.7781E3		8	8	11	0	Y	46082	Peptidase M20 dimerisation domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006382 PE=3 SV=1
770	532	A0A9P5GGJ5 A0A9P5GGJ5_PENCR	261.27	18	18	5	5.285E3	1.407E2	7	7	8	2	N	61518	Glutamate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010006 PE=3 SV=1
525	540	A0A9P5GAS2 A0A9P5GAS2_PENCR	260.83	18	17	16	2.0158E4	1.3122E3	7	7	14	8	Y	57681	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001341 PE=4 SV=1
769	761	A0A9P5GCR0 A0A9P5GCR0_PENCR	260.81	54	44	20	1.7138E3	3.7186E2	6	6	7	3	Y	21357	Gamma-glutamylcyclotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001537 PE=4 SV=1
445	416	A0A9P5L060 A0A9P5L060_PENCR	259.98	46	46	15	3.4644E4	8.2796E2	13	13	22	5	Y	31023	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005867 PE=3 SV=1
748	645	A0A9P5GCS9 A0A9P5GCS9_PENCR	259.35	21	17	13	6.3577E3	1.3289E3	5	5	7	4	Y	34456	Survival protein SurE-like phosphatase/nucleotidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001495 PE=4 SV=1
633	765	A0A9P5GQF1 A0A9P5GQF1_PENCR	259.24	49	49	14	1.0186E4	0	8	8	14	2	Y	17673	DUF1857-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004139 PE=4 SV=1
571	468	A0A9P5GJ06 A0A9P5GJ06_PENCR	259.20	50	50	10	1.2477E4	1.5926E2	11	11	15	4	Y	28752	Phosphoserine phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007712 PE=4 SV=1
943	695	A0A9P5KYW8 A0A9P5KYW8_PENCR	258.82	15	15	0	2.8176E3		5	5	6	0	Y	46325	CN hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004712 PE=3 SV=1
745	506	A0A9P5GPN8 A0A9P5GPN8_PENCR	258.55	24	24	0	7.5391E3		9	9	11	0	Y	39114	NADP-dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002286 PE=3 SV=1
567	776	A0A9P5KXB9 A0A9P5KXB9_PENCR	258.44	31	31	24	5.6298E4	2.1813E3	6	6	14	5	Y	24066	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010519 PE=4 SV=1
648	433	A0A9P5GER2 A0A9P5GER2_PENCR	258.12	29	29	0	4.2753E3		10	10	15	0	Y	48805	Saccharopine dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001722 PE=4 SV=1

780	747	A0A9P5GXW1 A0A9P5GXW1_PENCR	258.07	17	17	6	1.0206E4	1.4731E2	6	6	8	2	N	44063	Ketol-acid reductoisomerase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008903 PE=3 SV=1
916	654	A0A9P5GI72 A0A9P5GI72_PENCR	257.99	28	28	0	1.4179E3		7	7	7	0	N	38768	3-isopropylmalate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008535 PE=3 SV=1
708	716	A0A9P5GRP3 A0A9P5GRP3_PENCR	257.76	24	24	13	7.001E3	0	6	6	10	3	Y	35800	Arylamine N-acetyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002216 PE=3 SV=1
547	369	A0A9P5LOY0 A0A9P5LOY0_PENCR	256.99	39	37	26	1.2826E4	5.3501E3	10	10	11	9	Y	32936	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008997 PE=3 SV=1
824	688	A0A9P5GS60 A0A9P5GS60_PENCR	256.87	38	38	17	7.1845E3	9.0549E2	6	6	6	3	Y	23431	Glutathione S-transferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003643 PE=4 SV=1
542	538	A0A9P5GUF1 A0A9P5GUF1_PENCR	256.82	22	22	5	2.0364E4	0	8	8	18	3	Y	46615	Fumarylacetoacetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006134 PE=3 SV=1
820	565	A0A9P5GKI2 A0A9P5GKI2_PENCR	256.02	32	32	0	4.5023E4		8	8	9	0	Y	39382	Poly(A)+ RNA export protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009363 PE=3 SV=1
626	445	A0A9P5KWA9 A0A9P5KWA9_PENCR	255.61	20	20	0	1.0819E4		9	9	16	0	Y	63085	Pyruvate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009999 PE=3 SV=1
844	511	A0A9P5GRA5 A0A9P5GRA5_PENCR	255.47	15	15	0	4.602E3		6	6	8	0	Y	62057	Phosphoribosylaminoimidazole carboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007985 PE=3 SV=1
605	860	A0A9P5GHA0 A0A9P5GHA0_PENCR	254.84	21	21	18	6.7664E3	3.7039E3	7	7	11	6	N	39101	D-isomer specific 2-hydroxyacid dehydrogenase NAD-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009312 PE=4 SV=1
690	480	A0A9P5GBB3 A0A9P5GBB3_PENCR	254.24	11	11	4	7.8317E3	0	8	8	10	3	Y	80994	Multifunctional tryptophan biosynthesis protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000772 PE=3 SV=1
882	638	A0A9P5KWG4 A0A9P5KWG4_PENCR	254.07	16	16	0	2.3338E3		7	7	7	0	Y	45318	Pyruvate dehydrogenase E1 component subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009459 PE=4 SV=1
660	690	A0A9P5GIW8 A0A9P5GIW8_PENCR	253.36	15	15	11	8.0071E3	1.9661E3	6	6	9	6	N	50920	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007789 PE=4 SV=1
518	601	A0A9P5GM77 A0A9P5GM77_PENCR	253.16	28	28	17	1.5707E4	5.0945E3	8	8	15	7	Y	33396	Globin-sensor domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007788 PE=4 SV=1

676	1132	A0A9P5GSZ3 A0A9P5GSZ3_PENCR	252.10	32	32	32	9.4889E3	7.8912E3	5	5	8	6	Y	25912	Rhamnogalacturonan acetylerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008905 PE=3 SV=1
602	425	A0A9P5KY95 A0A9P5KY95_PENCR	251.69	34	23	27	5.666E3	1.0693E3	9	9	9	8	Y	36184	SMP-30/Gluconolactonase/LRE-like region domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008681 PE=4 SV=1
589	848	A0A9P5L282 A0A9P5L282_PENCR	251.64	66	66	9	3.4298E4	0	7	7	17	1	Y	13097	peptidylprolyl isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008697 PE=3 SV=1
686	256	A0A9P5GHA4 A0A9P5GHA4_PENCR	251.01	8	8	0	4.0076E3		13	13	13	0	Y	253464	Biotin carboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000490 PE=4 SV=1
1165	1377	A0A9P5GU97 A0A9P5GU97_PENCR	250.94	15	15	0	2.9038E3		4	4	4	0	N	35085	GH18 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003089 PE=4 SV=1
644	513	A0A9P5L7M5 A0A9P5L7M5_PENCR	250.73	39	39	20	5.9622E3	7.5163E2	8	8	10	5	N	27194	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009656 PE=3 SV=1
586	769	A0A9P5KVV2 A0A9P5KVV2_PENCR	250.73	32	27	28	1.4829E4	1.1579E4	5	5	9	9	N	25654	Maltose/galactoside acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000760 PE=3 SV=1
859	702	A0A9P5KYT4 A0A9P5KYT4_PENCR	250.52	33	28	5	2.0836E3	6.968E2	7	7	7	1	Y	29873	Haloacid dehalogenase, type II OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002755 PE=3 SV=1
646	575	A0A9P5L1Z9 A0A9P5L1Z9_PENCR	250.16	23	23	7	1.1031E4	0	9	9	12	3	N	39266	K Homology domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007595 PE=4 SV=1
390	637	A0A9P5GLX0 A0A9P5GLX0_PENCR	249.99	57	57	55	3.6457E4	7.8673E3	8	8	19	13	Y	15737	SsDNA binding protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004900 PE=4 SV=1
798	582	A0A9P5GS22 A0A9P5GS22_PENCR	249.70	36	36	4	7.4244E3	1.7923E2	7	7	8	1	Y	25361	Flavin-nucleotide-binding protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006215 PE=4 SV=1
788	841	A0A9P5GPS0 A0A9P5GPS0_PENCR	249.45	12	12	0	2.1784E4		8	8	10	0	N	60860	alpha-amylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001867 PE=3 SV=1
580	492	A0A9P5GLQ1 A0A9P5GLQ1_PENCR	249.41	18	18	13	1.2997E4	1.0781E3	8	8	12	6	Y	59608	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006416 PE=3 SV=1
623	368	A0A9P5L059 A0A9P5L059_PENCR	248.94	30	30	0	6.0763E3		11	11	16	0	Y	45626	NADH:flavin oxidoreductase/NADH oxidase N-terminal domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002281 PE=4 SV=1

534	415	A0A9P5L1H8 A0A9P5L1H8_PENCR	248.85	16	12	9	5.0483E3	1.976E3	9	9	9	12	Y	77119	MTHFR SAM-binding regulatory domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008255 PE=3 SV=1
463	1163	A0A9P5GQY7 A0A9P5GQY7_PENCR	248.75	31	31	27	2.1213E4	2.0857E4	4	4	10	16	N	16527	Chorismate mutase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009657 PE=4 SV=1
684	835	A0A9P5GU61 A0A9P5GU61_PENCR	248.71	37	22	37	3.0428E3	1.2043E3	5	5	6	8	Y	18015	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005001 PE=4 SV=1
448	537	A0A9P5GL04 A0A9P5GL04_PENCR	247.68	27	20	25	1.1124E4	3.2122E3	11	11	14	13	Y	45058	Aldolase-type TIM barrel OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008561 PE=4 SV=1
861	833	A0A9P5GM67 A0A9P5GM67_PENCR	247.23	11	8	10	1.3759E3	1.3221E3	5	4	4	4	N	82311	Rhamnogalacturonase A/B/Epimerase-like pectate lyase domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004672 PE=4 SV=1
727	561	A0A9P5GPQ4 A0A9P5GPQ4_PENCR	247.13	20	20	0	1.1285E4		8	8	12	0	N	41753	isocitrate dehydrogenase (NAD(+)) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000384 PE=3 SV=1
699	681	A0A9P5GRM1 A0A9P5GRM1_PENCR	246.49	9	7	7	4.8237E3	1.0313E3	6	6	7	6	N	83381	Neutral ceramidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007124 PE=3 SV=1
729	777	A0A9P5L7U3 A0A9P5L7U3_PENCR	246.27	22	22	0	1.1339E4		7	7	12	0	Y	39732	protein disulfide-isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000165 PE=3 SV=1
1001	718	A0A9P5KY77 A0A9P5KY77_PENCR	246.10	11	11	0	2.1051E3		5	5	5	0	Y	56914	Glycylpeptide N-tetradecanoyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005722 PE=3 SV=1
462	626	A0A9P5GMH8 A0A9P5GMH8_PENCR	246.02	68	68	50	2.4106E4	8.7114E2	9	9	17	9	Y	17359	UBC core domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003493 PE=4 SV=1
718	793	A0A9P5GNA5 A0A9P5GNA5_PENCR	245.74	18	18	8	4.572E3	3.7227E2	7	7	8	4	N	43957	NIPSNAP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005288 PE=3 SV=1
774	823	A0A9P5GA61 A0A9P5GA61_PENCR	245.60	21	21	0	1.0886E4		6	6	10	0	N	26766	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002382 PE=3 SV=1
814	812	A0A9P5GDY9 A0A9P5GDY9_PENCR	245.27	23	23	0	9.0639E3		6	6	9	0	N	35992	Glycerate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009060 PE=3 SV=1
678	579	A0A9P5L6A3 A0A9P5L6A3_PENCR	244.84	42	42	5	6.2249E3	0	8	8	13	1	Y	28263	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003280 PE=3 SV=1

831	1131	A0A9P5L3Q4 A0A9P5L3Q4_PENCR	244.71	62	62	0	4.8375E3		4	4	9	0	Y	11857	Thioredoxin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005551 PE=3 SV=1
888	754	A0A9P5GHQ2 A0A9P5GHQ2_PENCR	244.59	23	23	0	4.45E3		6	6	7	0	Y	39222	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000713 PE=3 SV=1
685	1356	A0A9P5L701 A0A9P5L701_PENCR	244.35	16	16	16	2.4518E4	3.2274E3	4	4	11	3	Y	25904	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002253 PE=4 SV=1
592	768	A0A9P5GSL6 A0A9P5GSL6_PENCR	244.31	37	33	21	1.066E4	1.0077E3	9	9	12	6	Y	23895	DUF6314 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003715 PE=4 SV=1
666	534	A0A9P5GU46 A0A9P5GU46_PENCR	244.18	14	13	6	2.9249E3	3.1786E2	8	8	9	5	Y	76347	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003014 PE=3 SV=1
823	631	A0A9P5GID3 A0A9P5GID3_PENCR	244.14	26	26	0	9.292E3		8	8	9	0	N	44493	acetyl-CoA C-acyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009780 PE=3 SV=1
898	685	A0A9P5KV82 A0A9P5KV82_PENCR	243.64	13	9	4	3.1067E3	0	6	6	5	2	Y	65478	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002900 PE=3 SV=1
793	884	A0A9P5L418 A0A9P5L418_PENCR	243.00	20	16	8	3.7406E3	8.6436E2	6	6	8	2	N	35606	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006555 PE=4 SV=1
625	873	A0A9P5GR29 A0A9P5GR29_PENCR	243.00	44	44	12	4.1253E4	7.798E2	6	6	13	3	Y	13832	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003093 PE=3 SV=1
904	788	A0A9P5GUH1 A0A9P5GUH1_PENCR	242.98	13	3	13	0	7.5118E2	6	6	1	6	N	71110	GH84 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006164 PE=4 SV=1
596	542	A0A9P5KXN9 A0A9P5KXN9_PENCR	242.76	22	22	10	1.3124E4	0	8	8	13	4	Y	45133	Lupus La protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009770 PE=4 SV=1
809	543	A0A9P5GG08 A0A9P5GG08_PENCR	242.62	19	8	17	4.328E2	2.1284E3	7	7	3	6	N	46886	Phosphoesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010093 PE=4 SV=1
925	809	A0A9P5KZB9 A0A9P5KZB9_PENCR	242.46	54	54	0	6.8327E3		6	6	7	0	N	15724	Large ribosomal subunit protein eL28 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007207 PE=3 SV=1
713	851	A0A9P5GE61 A0A9P5GE61_PENCR	242.31	36	36	6	7.0711E3	0	7	7	12	1	N	31681	Coatomer subunit epsilon OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000795 PE=3 SV=1
839	386	A0A9P5L5K4 A0A9P5L5K4_PENCR	241.01	8	8	0	4.0117E3		8	8	8	0	N	119060	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004549 PE=4 SV=1

693	557	A0A9P5L4B7 A0A9P5L4B7_PENCR	240.81	28	28	3	8.2098E3	9.5724E2	7	7	10	3	Y	38604	pyridoxal 5'-phosphate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005916 PE=4 SV=1
482	799	A0A9P5L3N1 A0A9P5L3N1_PENCR	239.37	35	29	35	1.2972E4	1.6376E4	5	5	8	16	N	23156	Maltose/galactoside acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006778 PE=3 SV=1
783	658	A0A9P5L1H7 A0A9P5L1H7_PENCR	238.80	52	22	43	4.7014E3	3.1233E3	6	6	4	6	N	21587	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004082 PE=4 SV=1
803	495	A0A9P5GKQ8 A0A9P5GKQ8_PENCR	238.55	9	9	0	1.3673E3		7	7	9	0	N	114254	Exportin-T OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006972 PE=3 SV=1
607	989	A0A9P5L1D4 A0A9P5L1D4_PENCR	238.48	52	52	47	2.7408E3	4.9028E3	5	5	8	9	Y	15106	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006180 PE=4 SV=1
914	992	A0A9P5L557 A0A9P5L557_PENCR	238.38	24	24	18	5.418E3	3.8734E2	4	4	4	3	Y	31197	Serine hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005292 PE=4 SV=1
799	687	A0A9P5GCC4 A0A9P5GCC4_PENCR	238.31	7	7	0	6.4109E3		5	5	9	0	Y	85064	Actin binding protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002331 PE=4 SV=1
724	822	A0A9P5GDA5 A0A9P5GDA5_PENCR	237.63	17	17	0	3.6769E3		6	6	12	0	Y	50697	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001161 PE=4 SV=1
772	592	A0A9P5GSN3 A0A9P5GSN3_PENCR	237.30	21	21	0	9.9254E3		7	7	10	0	N	37201	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003818 PE=3 SV=1
895	789	A0A9P5L5I1 A0A9P5L5I1_PENCR	237.24	22	22	5	4.0136E3	0	6	6	6	1	Y	24192	GTP-binding nuclear protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004685 PE=3 SV=1
652	583	A0A9P5GQP0 A0A9P5GQP0_PENCR	236.48	37	32	29	4.761E3	2.9818E3	7	7	7	8	Y	29462	Protein HRI1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010239 PE=4 SV=1
1034	780	A0A9P5GBP5 A0A9P5GBP5_PENCR	236.07	22	22	0	2.3877E3		5	5	5	0	Y	42722	Mandelate racemase/muconate lactonizing enzyme C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000533 PE=4 SV=1
884	555	A0A9P5GBX6 A0A9P5GBX6_PENCR	235.88	15	15	0	2.3331E3		7	7	7	0	N	62378	Glucose-methanol-choline oxidoreductase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010766 PE=3 SV=1
582	353	A0A9P5GRA8 A0A9P5GRA8_PENCR	235.78	19	19	1	3.7413E3		12	10	15	3	N	72488	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004543 PE=3 SV=1

852	963	A0A9P5GKQ2 A0A9P5GKQ2_PENCR	235.76	34	34	19	2.8758E3	1.4453E3	4	4	6	2	N	17766	DUF1857-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007342 PE=4 SV=1
805	558	A0A9P5GGJ2 A0A9P5GGJ2_PENCR	235.56	16	16	0	6.8612E3		7	7	9	0	Y	58654	inositol-3-phosphate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007488 PE=3 SV=1
590	1067	A0A9P5GQA2 A0A9P5GQA2_PENCR	235.37	28	28	24	1.1115E4	3.364E3	4	4	10	8	N	18149	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000972 PE=4 SV=1
872	1003	A0A9P5GJR9 A0A9P5GJR9_PENCR	235.30	24	17	19	4.0413E3	3.4552E3	4	4	3	5	Y	24775	3,4-dihydroxy-2-butanone 4-phosphate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007684 PE=3 SV=1
730	603	A0A9P5GB67 A0A9P5GB67_PENCR	235.25	33	33	0	1.1899E4		9	9	12	0	Y	30376	Phosphomannomutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001011 PE=3 SV=1
930	852	A0A9P5GUR9 A0A9P5GUR9_PENCR	235.21	63	63	0	5.3384E3		6	6	7	0	N	16817	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003766 PE=3 SV=1
624	514	A0A9P5GRT1 A0A9P5GRT1_PENCR	235.09	30	30	6	8.7239E3	5.1306E2	10	10	14	2	Y	36319	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004998 PE=4 SV=1
777	865	A0A9P5KXI6 A0A9P5KXI6_PENCR	235.08	12	12	3	3.6185E3	0	5	5	9	1	Y	54468	allantoinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010052 PE=3 SV=1
792	773	A0A9P5GS47 A0A9P5GS47_PENCR	235.08	24	20	8	3.2611E3	4.4619E2	6	6	7	3	Y	37652	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001401 PE=3 SV=1
743	483	A0A9P5GBE7 A0A9P5GBE7_PENCR	234.59	14	14	0	5.2986E3		7	7	11	0	N	64703	Anaphase-promoting complex subunit 4-like WD40 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002736 PE=4 SV=1
696	526	A0A9P5GEJ4 A0A9P5GEJ4_PENCR	234.55	41	41	0	2.4153E3		9	9	13	0	Y	28268	Adenylate kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=ADK1 PE=3 SV=1
551	507	A0A9P5GLY7 A0A9P5GLY7_PENCR	234.33	32	29	12	1.9776E4	3.4289E3	10	10	14	6	N	42490	Peptide hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005763 PE=3 SV=1
680	418	A0A9P5GRC9 A0A9P5GRC9_PENCR	233.78	24	24	0	7.9258E3		10	10	14	0	N	52838	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008030 PE=4 SV=1
581	407	A0A9P5KYS3 A0A9P5KYS3_PENCR	233.31	14	8	13	1.5629E3	9.1533E2	9	9	9	9	Y	85014	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007874 PE=3 SV=1

746	489	A0A9P5GQ88 A0A9P5GQ88_PENCR	233.06	18	18	0	3.6471E3		8	8	11	0	Y	58591	sphingolipid C(9)-methyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003287 PE=3 SV=1
807	1069	A0A9P5GLY0 A0A9P5GLY0_PENCR	232.83	14	14	13	5.4498E3	3.7007E3	4	4	5	4	Y	41220	Expansin-like EG45 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004915 PE=4 SV=1
812	705	A0A9P5GCT7 A0A9P5GCT7_PENCR	232.49	18	18	0	5.382E3		7	7	9	0	Y	51168	HotDog ACOT-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001803 PE=3 SV=1
681	552	A0A9P5L3P6 A0A9P5L3P6_PENCR	232.44	27	27	0	5.3495E3		9	9	14	0	N	34403	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006818 PE=4 SV=1
873	832	A0A9P5L3T7 A0A9P5L3T7_PENCR	232.26	18	18	0	1.2753E3		7	7	8	0	Y	40485	Pyruvate dehydrogenase E1 component subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006641 PE=4 SV=1
720	782	A0A9P5GBW9 A0A9P5GBW9_PENCR	232.25	38	38	0	1.2345E4		8	8	12	0	Y	22791	Synaptobrevin homolog YKT6 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010751 PE=3 SV=1
674	962	A0A9P5L122 A0A9P5L122_PENCR	232.16	24	24	9	4.2777E4	2.1324E3	5	5	10	4	N	25963	Imidazoleglycerol-phosphate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008719 PE=3 SV=1
981	794	A0A9P5GIV8 A0A9P5GIV8_PENCR	231.46	17	17	0	2.9465E3		5	5	6	0	Y	47596	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007325 PE=3 SV=1
630	970	A0A9P5GS34 A0A9P5GS34_PENCR	231.13	52	52	0	2.92E4		5	5	16	0	Y	15269	Small secreted protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000341 PE=4 SV=1
790	974	A0A9P5GIM0 A0A9P5GIM0_PENCR	231.00	22	18	18	1.7204E3	7.1678E2	5	5	5	5	Y	34969	Esterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010539 PE=4 SV=1
694	657	A0A9P5GP69 A0A9P5GP69_PENCR	230.77	19	16	12	5.6517E3	8.1995E2	6	6	8	5	N	45124	Aminoglycoside phosphotransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004219 PE=3 SV=1
557	857	A0A9P5L4K0 A0A9P5L4K0_PENCR	230.68	39	29	39	1.9178E4	1.0448E4	6	6	11	9	Y	17435	DUF985 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005804 PE=4 SV=1
785	522	A0A9P5L3C2 A0A9P5L3C2_PENCR	230.42	17	17	0	3.7044E3		9	9	10	0	Y	64287	Transcriptional repressor Tup1 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007224 PE=4 SV=1
657	611	A0A9P5L0E0 A0A9P5L0E0_PENCR	230.14	12	9	10	7.6863E3	1.1858E3	7	7	9	6	N	69959	Beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000514 PE=3 SV=1
1116	931	A0A9P5GRN2 A0A9P5GRN2_PENCR	229.84	25	25	0	2.2236E3		4	4	4	0	N	27826	DUF541 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000246 PE=4 SV=1

840	653	A0A9P5L2L4 A0A9P5L2L4_PENCR	229.66	28	18	20	2.4009E3	1.1234E3	6	6	3	5	N	24666	dTMP kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008257 PE=3 SV=1
787	738	A0A9P5L406 A0A9P5L406_PENCR	229.31	26	26	0	1.0763E4		7	7	10	0	N	34792	quinol--cytochrome-c reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003697 PE=3 SV=1
632	700	A0A9P5L3A8 A0A9P5L3A8_PENCR	229.25	24	24	24	6.8022E3	2.8648E3	8	8	7	9	Y	34296	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005866 PE=4 SV=1
889	896	A0A9P5GLL9 A0A9P5GLL9_PENCR	229.13	23	23	7	7.7006E3	2.0722E2	4	4	6	1	N	28505	Aminotransferase, class IV OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003842 PE=4 SV=1
768	651	A0A9P5GKX4 A0A9P5GKX4_PENCR	228.94	21	21	8	1.8543E3	0	6	6	7	3	Y	42065	Aromatic amino acid beta-eliminating lyase/threonine aldolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009142 PE=3 SV=1
878	1127	A0A9P5GMJ9 A0A9P5GMJ9_PENCR	228.90	28	28	0	2.9498E3		5	5	8	0	Y	25914	Carbonic anhydrase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005941 PE=3 SV=1
621	623	A0A9P5GD02 A0A9P5GD02_PENCR	228.88	20	20	16	4.4329E3	2.6103E3	7	7	8	8	Y	38930	Cupin type-2 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001359 PE=4 SV=1
749	613	A0A9P5GHX1 A0A9P5GHX1_PENCR	228.58	19	19	9	4.9445E3	6.7416E2	7	6	7	4	N	47996	NADH:flavin oxidoreductase/NADH oxidase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006485 PE=4 SV=1
717	535	A0A9P5GHA5 A0A9P5GHA5_PENCR	228.29	16	16	2	3.7068E3	0	8	8	10	2	N	59977	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001064 PE=3 SV=1
587	739	A0A9P5GFI9 A0A9P5GFI9_PENCR	228.12	22	16	22	8.4339E3	3.5402E3	7	7	9	9	Y	34286	Tyrosinase copper-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010664 PE=4 SV=1
917	772	A0A9P5GNI1 A0A9P5GNI1_PENCR	228.01	23	23	0	5.6689E3		6	6	7	0	N	33948	Phytanoyl-CoA dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003856 PE=3 SV=1
781	751	A0A9P5KY73 A0A9P5KY73_PENCR	227.99	33	28	10	2.3553E3	0	7	7	8	2	Y	32837	Methyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005706 PE=3 SV=1
761	1137	A0A9P5LOH0 A0A9P5LOH0_PENCR	227.82	33	33	0	1.5107E4		5	5	11	0	Y	14857	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009688 PE=3 SV=1
735	676	A0A9P5KVG7 A0A9P5KVG7_PENCR	227.62	42	25	26	1.4602E3	1.0602E3	8	8	6	6	Y	26864	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002022 PE=4 SV=1

698	501	A0A9P5L3G4 A0A9P5L3G4_PENCR	227.49	32	32	5	6.8998E3	1.0878E2	9	9	12	1	Y	33861	NAD-dependent epimerase/dehydratase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007091 PE=4 SV=1
707	981	A0A9P5KZE1 A0A9P5KZE1_PENCR	226.81	27	23	18	9.5533E3	4.8519E2	6	6	9	4	N	25302	NADH:ubiquinone oxidoreductase intermediate-associated protein 30 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000528 PE=3 SV=1
927	979	A0A9P5GPT4 A0A9P5GPT4_PENCR	226.04	33	33	0	3.7035E3		5	5	7	0	Y	24188	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005645 PE=4 SV=1
870	880	A0A9P5GIF9 A0A9P5GIF9_PENCR	225.67	34	34	0	3.4445E3		6	6	8	0	N	19571	Cytochrome c oxidase subunit V OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005903 PE=4 SV=1
811	577	A0A9P5GFZ9 A0A9P5GFZ9_PENCR	225.56	26	26	3	7.3973E3	0	7	7	8	1	Y	40507	Carboxy-cis,cis-muconate cyclase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010411 PE=3 SV=1
854	621	A0A9P5GSW8 A0A9P5GSW8_PENCR	225.52	17	17	0	4.7134E3		6	6	8	0	N	50231	Aminotransferase class V domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004239 PE=4 SV=1
871	997	A0A9P5GE85 A0A9P5GE85_PENCR	225.37	17	17	0	4.8359E3		4	4	8	0	N	39268	asparaginase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002658 PE=3 SV=1
879	1359	A0A9P5L6R9 A0A9P5L6R9_PENCR	224.74	21	21	21	1.6383E4	8.5034E2	3	3	5	3	N	22456	Yeast cell wall synthesis Kre9/Knh1-like N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002834 PE=4 SV=1
700	1100	A0A9P5L745 A0A9P5L745_PENCR	224.18	19	19	13	3.1906E4	4.0157E3	3	3	9	4	Y	21806	Nascent polypeptide-associated complex subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000879 PE=3 SV=1
937	858	A0A9P5L124 A0A9P5L124_PENCR	222.59	22	22	0	4.2564E3		6	6	7	0	Y	40835	Mitogen-activated protein kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004654 PE=3 SV=1
977	909	A0A9P5GGI1 A0A9P5GGI1_PENCR	222.49	19	19	0	2.6524E3		5	5	6	0	Y	31066	Fumarylacetoacetase-like C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000998 PE=3 SV=1
719	648	A0A9P5GUN9 A0A9P5GUN9_PENCR	222.12	19	9	19	4.9499E2	1.5218E3	7	6	4	8	Y	50744	Mannan endo-1,6-alpha-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003721 PE=3 SV=1
865	888	A0A9P5GQ35 A0A9P5GQ35_PENCR	222.10	46	46	0	6.0051E3		6	6	8	0	N	15136	60S ribosomal protein L27 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007155 PE=3 SV=1
658	635	A0A9P5L6J0 A0A9P5L6J0_PENCR	222.04	25	10	25	7.6558E3	1.0185E4	7	7	5	10	Y	36763	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002835 PE=4 SV=1

966	1106	A0A9P5GFZ2 A0A9P5GFZ2_PENCR	222.01	19	19	19	1.7654E3	1.7489E3	3	3	3	3	N	28483	Aspergillopepsin-2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001963 PE=4 SV=1
655	616	A0A9P5L637 A0A9P5L637_PENCR	221.98	24	24	4	9.1448E3	0	6	6	13	2	N	45046	Formamidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003887 PE=4 SV=1
825	879	A0A9P5GKN6 A0A9P5GKN6_PENCR	221.52	12	6	12	3.0557E3	3.1996E3	4	4	3	6	N	51983	Multicopper oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004831 PE=3 SV=1
670	737	A0A9P5GBT5 A0A9P5GBT5_PENCR	221.32	24	24	0	2.2523E4		6	6	14	0	N	28107	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003400 PE=4 SV=1
867	1054	A0A9P5L4B0 A0A9P5L4B0_PENCR	221.00	20	20	0	4.665E4		5	5	8	0	N	31554	CN hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004668 PE=4 SV=1
851	659	A0A9P5KY34 A0A9P5KY34_PENCR	220.78	27	27	0	1.7853E4		6	6	8	0	N	35465	NodB homology domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002442 PE=4 SV=1
759	808	A0A9P5L096 A0A9P5L096_PENCR	220.48	27	27	14	6.0296E3	6.0333E2	6	6	8	3	Y	31526	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001939 PE=3 SV=1
808	712	A0A9P5GEW7 A0A9P5GEW7_PENCR	220.37	16	16	0	1.0278E4		6	6	9	0	Y	44845	Septin-type G domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000456 PE=3 SV=1
860	839	A0A9P5GJV4 A0A9P5GJV4_PENCR	220.15	21	21	9	7.0041E3	1.8695E3	4	4	6	2	Y	26744	Short chain type dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005357 PE=3 SV=1
806	612	A0A9P5KYK5 A0A9P5KYK5_PENCR	220.05	5	5	0	3.9967E3		6	6	9	0	N	141777	DUF1793-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001616 PE=4 SV=1
868	763	A0A9P5KWQ3 A0A9P5KWQ3_PENCR	219.28	45	45	0	3.4415E3		7	7	8	0	Y	19609	peptide-methionine (S)-S-oxide reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008971 PE=3 SV=1
874	866	A0A9P5KZG2 A0A9P5KZG2_PENCR	219.14	22	22	9	3.7468E3	3.311E2	5	5	6	2	N	27007	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007026 PE=4 SV=1
627	585	A0A9P5GJB0 A0A9P5GJB0_PENCR	218.89	46	29	41	6.4737E3	2.4264E3	8	8	8	8	Y	25873	HD/PDEase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007461 PE=4 SV=1
638	594	A0A9P5L3G1 A0A9P5L3G1_PENCR	218.88	22	22	4	5.5658E3		8	6	12	3	N	34602	malate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007208 PE=3 SV=1
846	630	A0A9P5GIQ0 A0A9P5GIQ0_PENCR	218.76	22	22	0	5.8307E3		8	8	8	0	Y	38280	GTP cyclohydrolase 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008299 PE=3 SV=1

1153	1203	A0A9P5GJ37 A0A9P5GJ37_PENCR	218.67	17	17	0	2.9778E3		3	3	4	0	Y	27496	Copper transport protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007620 PE=3 SV=1
945	633	A0A9P5L6W0 A0A9P5L6W0_PENCR	217.80	15	12	3	4.1723E3	0	6	6	5	1	Y	52071	Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008071 PE=3 SV=1
845	752	A0A9P5GDE8 A0A9P5GDE8_PENCR	217.46	12	12	0	4.1961E3		5	5	8	0	N	59231	D-aminopeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001305 PE=3 SV=1
643	628	A0A9P5GJ38 A0A9P5GJ38_PENCR	216.98	28	28	5	9.0237E3	0	8	8	13	2	Y	37124	Eukaryotic translation initiation factor 3 subunit I OS= <i>Penicillium crustosum</i> OX=36656 GN=TIF34 PE=3 SV=1
725	723	A0A9P5GSA0 A0A9P5GSA0_PENCR	216.49	25	25	11	9.1025E3	8.1967E2	6	6	9	3	N	28893	Protein HRI1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005056 PE=4 SV=1
951	862	A0A9P5GN49 A0A9P5GN49_PENCR	216.37	21	21	0	1.8176E3		4	4	6	0	Y	24104	Ribosomal protein L15 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004744 PE=3 SV=1
817	644	A0A9P5KWP9 A0A9P5KWP9_PENCR	216.22	29	22	9	3.5358E3	1.9766E2	7	7	7	2	Y	44023	M6 metalloprotease OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001507 PE=4 SV=1
826	1027	A0A9P5GRE7 A0A9P5GRE7_PENCR	216.17	21	21	5	4.2371E3	0	6	6	8	1	N	33074	Kynurenine formamidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001904 PE=3 SV=1
801	343	A0A9P5L7U1 A0A9P5L7U1_PENCR	215.55	14	14	0	3.6103E3		9	9	9	0	Y	92143	beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009610 PE=3 SV=1
996	710	A0A9P5KZG8 A0A9P5KZG8_PENCR	215.53	7	7	0	6.0673E2		4	4	5	0	N	72269	arginine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001678 PE=3 SV=1
705	811	A0A9P5L211 A0A9P5L211_PENCR	215.39	36	36	0	3.289E4		5	5	13	0	N	15074	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003036 PE=4 SV=1
843	417	A0A9P5GPT9 A0A9P5GPT9_PENCR	214.90	17	17	0	9.9849E3		7	7	8	0	Y	51235	Catalase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004526 PE=3 SV=1
958	914	A0A9P5KXX8 A0A9P5KXX8_PENCR	214.84	13	3	13	6.1832E2	1.2562E3	5	5	2	4	Y	38846	Esterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002753 PE=4 SV=1
1092	881	A0A9P5KYV8 A0A9P5KYV8_PENCR	214.66	12	12	0	1.4428E3		3	3	4	0	Y	32877	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007847 PE=3 SV=1

609	796	A0A9P5L3Z9 A0A9P5L3Z9_PENCR	214.03	36	36	34	9.9255E3	3.0405E3	6	6	10	7	Y	16659	Thioesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006468 PE=3 SV=1
752	732	A0A9P5GL64 A0A9P5GL64_PENCR	213.92	17	15	4	2.5484E3	0	7	7	9	2	Y	47553	tRNA-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006245 PE=4 SV=1
881	919	A0A9P5KXA0 A0A9P5KXA0_PENCR	213.89	24	24	12	3.4995E3	0	4	4	4	3	N	22579	CS domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007656 PE=4 SV=1
834	978	A0A9P5GN37 A0A9P5GN37_PENCR	213.86	22	17	22	5.7096E3	2.586E3	5	5	4	5	Y	28806	Oxidoreductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002794 PE=3 SV=1
786	694	A0A9P5GDP4 A0A9P5GDP4_PENCR	213.77	16	14	4	5.4438E3	0	7	7	8	2	Y	56299	Protein phosphatase PP2A regulatory subunit B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001164 PE=3 SV=1
612	1278	A0A9P5KX39 A0A9P5KX39_PENCR	213.56	23	23	20	2.2364E4	1.8804E4	4	4	8	9	Y	18051	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007887 PE=3 SV=1
1019	664	A0A9P5GK86 A0A9P5GK86_PENCR	213.38	7	7	0	1.7433E3		5	5	5	0	Y	114373	E1 ubiquitin-activating enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006239 PE=3 SV=1
558	980	A0A9P5L0B7 A0A9P5L0B7_PENCR	212.94	51	51	51	4.6307E4	3.1075E3	5	5	14	6	Y	11030	Stress-response A/B barrel domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009769 PE=4 SV=1
532	1360	A0A9P5GLF9 A0A9P5GLF9_PENCR	212.73	15	15	15	9.7985E4	1.1775E5	3	3	11	11	N	24756	Yeast cell wall synthesis Kre9/Knh1-like N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007790 PE=4 SV=1
842	504	A0A9P5GJD2 A0A9P5GJD2_PENCR	212.27	10	9	1	2.4969E3	1.3534E4	7	7	6	2	Y	100832	Methenyltetrahydrofolate cyclohydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007900 PE=3 SV=1
789	878	A0A9P5GW89 A0A9P5GW89_PENCR	211.69	29	29	0	7.9303E3		5	5	10	0	N	26430	YEATS domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000171 PE=4 SV=1
855	775	A0A9P5GXX0 A0A9P5GXX0_PENCR	211.50	14	14	0	5.1871E3		5	5	8	0	Y	47443	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006175 PE=4 SV=1
721	882	A0A9P5KWM3 A0A9P5KWM3_PENCR	211.48	31	31	15	1.4761E4	4.2336E2	5	5	9	3	N	24257	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009163 PE=4 SV=1
853	527	A0A9P5GPE2 A0A9P5GPE2_PENCR	211.05	15	15	0	3.3748E3		7	7	8	0	Y	65606	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004527 PE=3 SV=1

1084	785	A0A9P5GB98 A0A9P5GB98_PENCR	210.96	14	14	0	1.4533E3		4	4	4	0	N	39325	MPN domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000828 PE=3 SV=1
1045	1065	A0A9P5L2J5 A0A9P5L2J5_PENCR	210.94	9	9	0	2.3341E3		4	4	5	0	N	61816	NEDD8-activating enzyme E1 regulatory subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001374 PE=3 SV=1
599	801	A0A9P5L1T4 A0A9P5L1T4_PENCR	210.87	23	23	8	2.4266E4	0	5	5	15	2	N	24954	O-methyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009276 PE=3 SV=1
947	553	A0A9P5GCM4 A0A9P5GCM4_PENCR	210.31	7	7	0	2.7691E3		6	6	6	0	Y	121470	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001620 PE=4 SV=1
739	647	A0A9P5GWB8 A0A9P5GWB8_PENCR	210.05	17	17	11	9.6965E4	1.3448E3	7	7	7	4	Y	41571	Survival factor 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000223 PE=3 SV=1
984	938	A0A9P5GD85 A0A9P5GD85_PENCR	210.00	18	18	0	2.7758E3		5	5	6	0	Y	39946	Large ribosomal subunit protein uL4 C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001198 PE=3 SV=1
907	1036	A0A9P5GQV4 A0A9P5GQV4_PENCR	209.91	13	8	10	7.9497E3	5.7152E3	4	4	3	4	N	42728	Carboxypeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003596 PE=3 SV=1
668	524	A0A9P5L5F6 A0A9P5L5F6_PENCR	209.74	9	9	3	7.8525E3	5.4789E2	8	8	12	2	Y	96478	Coatomer subunit beta' OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004625 PE=3 SV=1
755	998	A0A9P5GMC1 A0A9P5GMC1_PENCR	209.71	35	35	21	1.3981E4	4.5384E3	5	5	6	5	Y	16074	AA1-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006271 PE=4 SV=1
858	682	A0A9P5KZS4 A0A9P5KZS4_PENCR	209.48	21	21	0	2.1541E4		7	7	8	0	N	40012	NAD binding Rossmann fold oxidoreductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003019 PE=3 SV=1
1102	1171	A0A9P5L3X6 A0A9P5L3X6_PENCR	209.09	17	17	0	2.084E3		3	3	4	0	Y	31783	6-phosphogluconate dehydrogenase NADP-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006609 PE=4 SV=1
971	929	A0A9P5GEJ1 A0A9P5GEJ1_PENCR	208.70	18	18	0	6.8113E3		4	4	6	0	N	28882	60S ribosomal protein L7 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008672 PE=3 SV=1
1039	800	A0A9P5GMS8 A0A9P5GMS8_PENCR	208.42	18	18	0	3.1107E3		4	4	5	0	Y	29257	Small ribosomal subunit protein eS1 OS= <i>Penicillium crustosum</i> OX=36656 GN=RPS1 PE=3 SV=1
679	1387	A0A9P5GSJ0 A0A9P5GSJ0_PENCR	208.23	24	19	24	2.624E4	4.3917E4	3	3	3	11	Y	15609	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000981 PE=4 SV=1

784	804	A0A9P5GSW9 A0A9P5GSW9_PENCR	207.90	11	11	6	0		6	1	7	3	N	63616	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000864 PE=3 SV=1
1103	1181	A0A9P5GA62 A0A9P5GA62_PENCR	207.82	13	13	0	2.1035E3		2	2	4	0	N	28328	S5 DRBM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002380 PE=3 SV=1
922	1023	A0A9P5GHV8 A0A9P5GHV8_PENCR	207.54	19	11	19	9.9125E2	4.542E3	5	5	2	5	Y	28502	Glycoside hydrolase 131 catalytic N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009155 PE=4 SV=1
1148	1738	A0A9P5GJP0 A0A9P5GJP0_PENCR	207.28	21	21	0	4.5157E3		2	2	4	0	N	19115	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007909 PE=4 SV=1
738	767	A0A9P5L8S2 A0A9P5L8S2_PENCR	207.16	6	6	1	2.7156E3	0	5	5	10	1	Y	82208	RanBD1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003593 PE=4 SV=1
818	706	A0A9P5GNE4 A0A9P5GNE4_PENCR	207.01	14	14	0	3.9982E3		7	6	9	0	N	54370	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005317 PE=3 SV=1
891	704	A0A9P5GQ28 A0A9P5GQ28_PENCR	206.48	21	21	0	1.6353E3		5	5	7	0	N	33740	MaoC-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007140 PE=4 SV=1
909	810	A0A9P5GJH4 A0A9P5GJH4_PENCR	206.21	22	3	22	3.9368E2	2.5927E3	6	6	1	6	N	45735	Acid phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008138 PE=4 SV=1
800	707	A0A9P5KZJ5 A0A9P5KZJ5_PENCR	206.02	4	3	2	3.9331E3	1.292E3	5	5	6	3	Y	140028	SSD domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001619 PE=3 SV=1
877	976	A0A9P5GEL5 A0A9P5GEL5_PENCR	205.95	26	26	0	3.9047E3		6	6	8	0	Y	28191	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000526 PE=4 SV=1
968	1262	A0A9P5GIG7 A0A9P5GIG7_PENCR	205.54	10	10	0	3.3429E3		5	5	6	0	Y	57496	Coatomer subunit delta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008564 PE=3 SV=1
832	680	A0A9P5GR61 A0A9P5GR61_PENCR	204.99	38	38	0	4.3741E3		9	9	9	0	N	26653	Acyl-protein thioesterase 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003761 PE=3 SV=1
1021	764	A0A9P5KY22 A0A9P5KY22_PENCR	204.74	14	14	0	1.0372E5		5	5	5	0	N	51408	Cupin type-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009150 PE=4 SV=1
1020	748	A0A9P5GPT0 A0A9P5GPT0_PENCR	204.50	8	8	0	3.7703E3		5	5	5	0	N	84629	Homoaconitase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004511 PE=3 SV=1

709	837	A0A9P5GPF0 A0A9P5GPF0_PENCR	204.41	22	22	10	4.7141E3	1.9582E2	6	5	9	4	N	25666	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008837 PE=3 SV=1
1130	1169	A0A9P5GKQ0 A0A9P5GKQ0_PENCR	204.41	10	10	0	3.4488E3		3	3	4	0	N	46903	cysteine-S-conjugate beta-lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008689 PE=3 SV=1
778	494	A0A9P5GJD5 A0A9P5GJD5_PENCR	204.37	32	32	0	7.6766E3		9	9	10	0	Y	38754	Fe2OG dioxygenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007506 PE=3 SV=1
816	641	A0A9P5GSS6 A0A9P5GSS6_PENCR	204.29	22	22	0	4.1278E3		7	6	9	0	Y	41952	Mitogen-activated protein kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000405 PE=3 SV=1
897	1117	A0A9P5GMN6 A0A9P5GMN6_PENCR	204.08	40	40	0	1.2806E4		5	5	7	0	N	16534	Cofilin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005904 PE=3 SV=1
896	844	A0A9P5L4M7 A0A9P5L4M7_PENCR	203.81	13	13	0	3.3556E3		5	5	7	0	N	46703	Tryptophan synthase beta chain-like PALP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005694 PE=4 SV=1
1120	1158	A0A9P5GMD4 A0A9P5GMD4_PENCR	203.62	27	27	0	3.3789E3		3	3	4	0	Y	15228	Tctex-1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006038 PE=4 SV=1
847	584	A0A9P5L392 A0A9P5L392_PENCR	203.26	20	20	0	5.5049E3		7	7	8	0	N	52532	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007937 PE=4 SV=1
835	1101	A0A9P5GMK7 A0A9P5GMK7_PENCR	203.26	22	19	22	2.9278E3	2.9534E3	4	4	3	6	Y	23710	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006032 PE=4 SV=1
776	698	A0A9P5GIE0 A0A9P5GIE0_PENCR	203.22	21	12	18	1.6179E3	3.4604E2	6	6	5	5	Y	31425	Fructose-bisphosphate aldolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005872 PE=3 SV=1
606	891	A0A9P5GNA2 A0A9P5GNA2_PENCR	202.78	21	21	13	2.1452E4	1.4345E3	5	5	12	5	Y	34337	Acetamidase/formamidase family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007603 PE=4 SV=1
869	798	A0A9P5GWR9 A0A9P5GWR9_PENCR	202.05	20	20	4	1.4477E3	0	6	6	7	1	Y	35936	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000961 PE=4 SV=1
1158	1385	A0A9P5GLG2 A0A9P5GLG2_PENCR	201.78	9	4	9	9.8434E2	2.4899E3	3	3	1	3	N	48846	Beta-glucuronidase C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006683 PE=4 SV=1
993	1357	A0A9P5GEW3 A0A9P5GEW3_PENCR	201.53	13	3	13	3.0277E2	6.8478E2	3	3	2	4	N	39037	pectin lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001665 PE=3 SV=1
974	1034	A0A9P5KZW1 A0A9P5KZW1_PENCR	201.25	15	15	0	4.7031E3		4	4	6	0	Y	38413	hydroxymethylbilane synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001205 PE=3 SV=1

734	1141	A0A9P5GJB8 A0A9P5GJB8_PENCR	201.14	11	11	9	1.3957E2	2.1077E3	5	5	5	7	N	47713	galacturonan 1,4-alpha-galacturonidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008203 PE=3 SV=1
1172	910	A0A9P5KYP2 A0A9P5KYP2_PENCR	200.18	4	4	0	4.9374E2		3	3	3	0	N	101259	Alanine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=ALA1 PE=3 SV=1
1013	819	A0A9P5GYG1 A0A9P5GYG1_PENCR	200.05	9	9	0	6.0096E2		4	4	5	0	Y	71205	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007113 PE=3 SV=1
957	893	A0A9P5GUB8 A0A9P5GUB8_PENCR	199.98	18	18	0	1.9519E3		4	4	6	0	N	37454	alcohol dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003119 PE=3 SV=1
611	861	A0A9P5GVG5 A0A9P5GVG5_PENCR	199.69	18	7	18	2.319E3	7.4826E3	6	6	4	13	Y	38145	Lysophospholipase A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003588 PE=4 SV=1
728	744	A0A9P5KZP1 A0A9P5KZP1_PENCR	199.46	11	8	11	4.419E3	2.1747E3	6	6	5	7	Y	58412	Phytase A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001508 PE=3 SV=1
910	828	A0A9P5L589 A0A9P5L589_PENCR	199.06	11	11	2	5.6511E3	0	4	4	6	1	Y	55579	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003531 PE=3 SV=1
815	624	A0A9P5GVT5 A0A9P5GVT5_PENCR	198.79	6	6	1	6.4594E3	2.4051E2	7	7	8	1	N	93890	Protein arginine N-methyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000239 PE=3 SV=1
1008	885	A0A9P5GG16 A0A9P5GG16_PENCR	198.72	5	5	0	6.074E3		3	3	5	0	N	103903	Reverse transcriptase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000793 PE=4 SV=1
750	729	A0A9P5L5H0 A0A9P5L5H0_PENCR	198.02	19	19	12	9.7398E3	1.9976E3	5	5	7	4	N	32213	uroporphyrinogen-III synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004655 PE=3 SV=1
902	634	A0A9P5GLW0 A0A9P5GLW0_PENCR	197.53	12	12	0	3.7287E3		6	6	7	0	Y	56117	protein-synthesizing GTPase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006574 PE=3 SV=1
782	988	A0A9P5GMP2 A0A9P5GMP2_PENCR	196.78	36	35	36	5.1005E3	8.4785E2	5	5	6	4	N	19631	Dopa 4,5-dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005255 PE=4 SV=1
765	596	A0A9P5GWS3 A0A9P5GWS3_PENCR	196.60	14	14	0	4.224E3		7	7	10	0	Y	69244	Lysine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006117 PE=3 SV=1
1022	779	A0A9P5GNH0 A0A9P5GNH0_PENCR	196.49	14	14	0	3.1068E3		5	5	5	0	N	53722	Glutamate--ammonia ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000911 PE=3 SV=1
711	985	A0A9P5GQJ1 A0A9P5GQJ1_PENCR	196.28	43	43	28	2.4123E3	1.2205E3	6	6	7	6	Y	12524	Transcription initiation factor IIA subunit 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006228 PE=3 SV=1

797	701	A0A9P5GCC8 A0A9P5GCC8_PENCR	195.96	6	6	4	1.6586E3	7.4556E2	5	5	6	3	N	111510	Probable beta-galactosidase B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010381 PE=3 SV=1
848	667	A0A9P5GTE5 A0A9P5GTE5_PENCR	195.52	7	7	0	3.6566E3		6	6	8	0	Y	121659	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007067 PE=3 SV=1
637	434	A0A9P5GG05 A0A9P5GG05_PENCR	195.45	24	24	7	4.1424E3	1.2686E2	9	8	11	4	N	55851	Beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009983 PE=3 SV=1
932	956	A0A9P5GKC1 A0A9P5GKC1_PENCR	195.42	28	28	0	4.5552E3		5	5	7	0	Y	22280	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006672 PE=4 SV=1
747	686	A0A9P5KYD3 A0A9P5KYD3_PENCR	194.77	25	25	5	1.0433E4	0	7	7	9	2	Y	23469	Small ribosomal subunit protein uS7 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005428 PE=3 SV=1
1066	1133	A0A9P5KZV6 A0A9P5KZV6_PENCR	194.67	19	19	0	1.0229E4		4	4	5	0	N	32461	Metallo-beta-lactamase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006436 PE=3 SV=1
642	531	A0A9P5L6V0 A0A9P5L6V0_PENCR	194.67	35	35	25	1.0541E4	6.6779E2	8	8	9	6	Y	24130	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008041 PE=4 SV=1
829	1041	A0A9P5GJJ1 A0A9P5GJJ1_PENCR	194.13	31	31	0	3.2515E3		4	4	9	0	Y	16773	Sorting nexin-3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005265 PE=3 SV=1
1178	820	A0A9P5GCU9 A0A9P5GCU9_PENCR	193.85	3	3	0	2.1739E3		3	3	3	0	N	123418	26S proteasome regulatory subunit RPN2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001525 PE=3 SV=1
875	868	A0A9P5GJF0 A0A9P5GJF0_PENCR	193.72	10	10	0	5.2213E3		5	5	8	0	N	50271	Phospho-2-dehydro-3-deoxyheptonate aldolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005673 PE=3 SV=1
1028	831	A0A9P5KWT8 A0A9P5KWT8_PENCR	193.29	13	13	0	2.6081E3		5	5	5	0	Y	43901	Peptidase M24 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008596 PE=3 SV=1
726	991	A0A9P5L892 A0A9P5L892_PENCR	193.05	19	19	16	7.1124E3	2.6339E3	4	4	7	5	N	26865	SGNH hydrolase-type esterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007092 PE=4 SV=1
989	1138	A0A9P5GBY3 A0A9P5GBY3_PENCR	193.00	16	16	0	2.3409E3		4	4	6	0	N	26536	asparaginase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003190 PE=3 SV=1
771	598	A0A9P5GF06 A0A9P5GF06_PENCR	192.54	27	3	27	0	1.5242E3	6	6	1	9	Y	37664	Glycoside hydrolase family 3 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010474 PE=3 SV=1
978	943	A0A9P5L1T3 A0A9P5L1T3_PENCR	192.49	21	21	0	2.6703E3		4	4	6	0	N	22138	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007816 PE=3 SV=1

1007	872	A0A9P5GU93 A0A9P5GU93_PENCR	192.22	12	12	0	1.6983E3		4	4	5	0	N	43868	Obg-like ATPase 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001859 PE=3 SV=1
1012	790	A0A9P5GEF5 A0A9P5GEF5_PENCR	191.88	10	8	2	1.3599E3	0	5	5	4	1	N	66702	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008654 PE=3 SV=1
934	1043	A0A9P5KZ11 A0A9P5KZ11_PENCR	191.84	14	14	0	2.8876E3		4	4	7	0	Y	39015	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007596 PE=3 SV=1
833	1526	A0A9P5KZZ4 A0A9P5KZZ4_PENCR	191.60	11	11	10	1.2485E4	1.7147E3	3	3	5	4	Y	25970	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002508 PE=4 SV=1
779	497	A0A9P5KVT5 A0A9P5KVT5_PENCR	191.34	28	28	0	7.2748E4		10	10	10	0	Y	41802	isocitrate dehydrogenase (NAD(+)) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000988 PE=3 SV=1
905	847	A0A9P5KXT2 A0A9P5KXT2_PENCR	191.33	18	18	12	3.7465E3	3.9098E3	4	4	4	3	N	29711	MSP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003177 PE=3 SV=1
813	498	A0A9P5KVK3 A0A9P5KVK3_PENCR	191.13	21	21	0	1.0418E4		7	7	9	0	N	52078	Rab GDP dissociation inhibitor OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001570 PE=3 SV=1
923	1113	A0A9P5GGQ4 A0A9P5GGQ4_PENCR	191.00	17	17	5	1.4962E4	0	3	3	5	2	Y	28501	hydroxymethylglutaryl-CoA lyase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007420 PE=3 SV=1
973	942	A0A9P5GKZ0 A0A9P5GKZ0_PENCR	190.28	14	14	0	3.3758E3		6	6	6	0	N	36784	NAD-dependent epimerase/dehydratase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004584 PE=3 SV=1
421	5747	A0A9P5GUM8 A0A9P5GUM8_PENCR	190.19	13	13	13	2.4313E5	1.4947E5	2	2	16	13	N	19889	IgE-binding protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003706 PE=4 SV=1
1098	945	A0A9P5GLB1 A0A9P5GLB1_PENCR	190.08	9	9	0	1.8092E3		4	4	4	0	N	53466	4-trimethylaminobutyraldehyde dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004177 PE=3 SV=1
1009	894	A0A9P5KYK6 A0A9P5KYK6_PENCR	189.89	21	21	7	2.9952E3	0	3	3	4	1	N	28494	Glyoxalase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008272 PE=4 SV=1
1060	982	A0A9P5GKE8 A0A9P5GKE8_PENCR	189.67	15	15	0	4.0839E3		5	5	5	0	Y	39717	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008391 PE=3 SV=1
1118	1013	A0A9P5L2Q1 A0A9P5L2Q1_PENCR	189.34	13	13	0	5.2021E3		4	4	4	0	N	37884	SMP-30/Gluconolactonase/LRE-like region domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008229 PE=4 SV=1
661	1370	A0A9P5GGM2 A0A9P5GGM2_PENCR	189.32	32	32	32	1.202E4	8.042E3	3	3	7	8	N	10308	Proteinase inhibitor, propeptide OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000832 PE=3 SV=1

1059	944	A0A9P5KZA9 A0A9P5KZA9_PENCR	189.29	17	17	0	1.1731E3		5	5	5	0	Y	32708	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007337 PE=4 SV=1
972	930	A0A9P5GNF5 A0A9P5GNF5_PENCR	189.11	14	14	0	9.6754E2		4	4	6	0	Y	39252	Metallo-beta-lactamase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007546 PE=4 SV=1
1055	1205	A0A9P5KZX5 A0A9P5KZX5_PENCR	188.50	16	16	0	1.8917E3		3	3	5	0	N	26352	ATP synthase subunit 4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001184 PE=3 SV=1
850	877	A0A9P5GTL8 A0A9P5GTL8_PENCR	188.18	12	2	12		1.9711E2	5	1	1	7	Y	46488	mannan endo-1,4-beta-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002828 PE=3 SV=1
988	1045	A0A9P5L3P7 A0A9P5L3P7_PENCR	187.78	15	15	0	4.7072E3		4	4	6	0	N	39010	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006182 PE=3 SV=1
939	642	A0A9P5GGC0 A0A9P5GGC0_PENCR	187.58	4	4	1	2.0055E2	2.3182E2	5	5	4	2	N	163548	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001089 PE=4 SV=1
1026	699	A0A9P5GPF5 A0A9P5GPF5_PENCR	187.21	37	37	0	1.0672E4		5	5	5	0	N	17855	40S ribosomal protein S18 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004726 PE=3 SV=1
1107	1011	A0A9P5L0B0 A0A9P5L0B0_PENCR	187.16	12	12	0	2.1033E3		4	4	4	0	N	37649	Proteasome inhibitor PI31 subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001402 PE=3 SV=1
828	650	A0A9P5GL56 A0A9P5GL56_PENCR	187.10	17	17	0	2.0605E3		6	6	9	0	N	53378	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009020 PE=4 SV=1
1051	915	A0A9P5L5I7 A0A9P5L5I7_PENCR	185.93	18	18	0	1.733E3		5	5	5	0	Y	39409	FAD dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002817 PE=3 SV=1
1115	869	A0A9P5GEI1 A0A9P5GEI1_PENCR	185.91	14	14	0	8.5134E2		4	3	4	0	N	43401	AAA+ ATPase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008656 PE=3 SV=1
841	599	A0A9P5GV87 A0A9P5GV87_PENCR	185.73	7	7	0	1.3501E3		5	5	8	0	N	119026	Eukaryotic translation initiation factor 3 subunit A OS= <i>Penicillium crustosum</i> OX=36656 GN=TIF32 PE=3 SV=1
1040	838	A0A9P5KXU1 A0A9P5KXU1_PENCR	185.73	13	13	0	1.7775E3		5	5	5	0	N	55928	Cystathionine beta-synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003133 PE=3 SV=1
1069	826	A0A9P5L044 A0A9P5L044_PENCR	185.69	1	1	0	2.5014E3		3	3	4	0	N	208916	Peptidase S59 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002235 PE=3 SV=1

956	883	A0A9P5GJU4 A0A9P5GJU4_PENCR	185.59	29	29	0	7.116E3		5	5	6	0	Y	16766	Small ribosomal subunit protein uS15 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006955 PE=3 SV=1
1225	1161	A0A9P5KXI9 A0A9P5KXI9_PENCR	185.53	21	21	0	1.1113E3		2	2	3	0	N	15275	40S ribosomal protein S24 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006889 PE=3 SV=1
1260	1144	A0A9P5L6X8 A0A9P5L6X8_PENCR	184.95	13	13	0	6.56E3		3	3	3	0	Y	29010	WD-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001912 PE=4 SV=1
983	912	A0A9P5L1R0 A0A9P5L1R0_PENCR	184.82	14	2	14	3.3713E2	9.6656E2	5	5	1	5	N	47067	galacturonan 1,4-alpha-galacturonidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003755 PE=3 SV=1
1187	829	A0A9P5L558 A0A9P5L558_PENCR	184.75	4	4	0	1.3242E3		3	3	3	0	N	90252	Urease OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004737 PE=3 SV=1
926	859	A0A9P5GPB1 A0A9P5GPB1_PENCR	183.14	29	29	0	1.3926E3		6	6	7	0	Y	26169	V-type proton ATPase subunit E OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002881 PE=3 SV=1
1062	1136	A0A9P5GN52 A0A9P5GN52_PENCR	182.95	20	20	0	2.4703E3		4	4	5	0	N	32336	Metallo-beta-lactamase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007665 PE=3 SV=1
1002	696	A0A9P5GCW8 A0A9P5GCW8_PENCR	182.89	6	6	0	2.2579E3		4	4	5	0	Y	95719	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001756 PE=3 SV=1
970	825	A0A9P5GC20 A0A9P5GC20_PENCR	182.88	15	15	0	3.7043E3		5	5	6	0	N	41075	Aminoglycoside phosphotransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010663 PE=4 SV=1
931	911	A0A9P5GEY8 A0A9P5GEY8_PENCR	182.46	5	5	2	2.2961E3	4.3873E2	5	5	5	2	N	127193	Cellular morphogenesis protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002720 PE=4 SV=1
1129	1124	A0A9P5KYV6 A0A9P5KYV6_PENCR	182.44	21	21	8	4.6005E2	2.5724E2	3	3	3	1	N	17977	Cyanate hydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=cyn1 PE=3 SV=1
920	907	A0A9P5GMF1 A0A9P5GMF1_PENCR	182.35	12	8	3	1.2985E3	0	4	4	6	1	N	54847	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004611 PE=3 SV=1
912	961	A0A9P5L1D0 A0A9P5L1D0_PENCR	182.28	12	12	0	4.6601E3		5	5	7	0	N	45246	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006165 PE=4 SV=1
1058	936	A0A9P5GSU9 A0A9P5GSU9_PENCR	182.02	23	23	0	2.0255E3		5	5	5	0	N	35828	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000903 PE=4 SV=1

1038	771	A0A9P5GJL7 A0A9P5GJL7_PENCR	181.77	22	22	0	2.31E3		5	5	5	0	N	31672	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005117 PE=3 SV=1
675	660	A0A9P5KZX9 A0A9P5KZX9_PENCR	181.72	22	22	7	1.1453E4	6.375E2	7	7	11	3	Y	43261	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010287 PE=3 SV=1
756	1146	A0A9P5GE62 A0A9P5GE62_PENCR	181.70	26	26	0	1.8534E4		6	6	11	0	Y	13748	Autophagy-related protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000835 PE=3 SV=1
796	595	A0A9P5GN03 A0A9P5GN03_PENCR	181.40	3	3	0	3.1448E3		6	6	9	0	N	271806	alpha-1,3-glucan synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001868 PE=3 SV=1
997	900	A0A9P5KW37 A0A9P5KW37_PENCR	181.04	3	3	0	2.0481E2		4	1	5	0	N	142583	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010530 PE=3 SV=1
1029	927	A0A9P5GB79 A0A9P5GB79_PENCR	180.75	10	10	0	2.9071E3		4	4	5	0	N	45629	FMN hydroxy acid dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004633 PE=3 SV=1
821	684	A0A9P5KZH5 A0A9P5KZH5_PENCR	180.59	14	14	5	4.0253E3	4.4228E2	6	6	7	2	Y	51153	Nicotinate phosphoribosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006923 PE=3 SV=1
1194	1086	A0A9P5GIB8 A0A9P5GIB8_PENCR	180.50	6	6	0	2.0908E3		3	3	3	0	N	57419	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007691 PE=3 SV=1
935	973	A0A9P5L307 A0A9P5L307_PENCR	179.94	53	53	0	6.911E3		5	5	7	0	N	15314	DUF952 domain protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007628 PE=4 SV=1
773	655	A0A9P5L3U6 A0A9P5L3U6_PENCR	179.71	20	15	15	6.9564E3	7.1872E2	6	6	6	4	N	37057	Inositol-1-monophosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006694 PE=3 SV=1
908	1077	A0A9P5GRL0 A0A9P5GRL0_PENCR	179.66	41	19	41	0	2.2998E3	3	3	2	5	N	15077	5-hydroxyisourate hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005196 PE=3 SV=1
1004	946	A0A9P5KZM3 A0A9P5KZM3_PENCR	179.54	5	5	0	5.7133E3		3	3	5	0	N	91323	RNA polymerase II degradation factor 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003485 PE=3 SV=1
1189	1002	A0A9P5L0B5 A0A9P5L0B5_PENCR	179.29	13	13	0	2.8107E3		3	3	3	0	Y	32647	3-hydroxyisobutyrate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001417 PE=3 SV=1
959	925	A0A9P5GE60 A0A9P5GE60_PENCR	179.20	18	18	0	2.023E3		5	5	6	0	N	38940	Aminoglycoside phosphotransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009047 PE=4 SV=1
1054	1142	A0A9P5L646 A0A9P5L646_PENCR	178.96	30	30	0	9.2563E3		4	4	5	0	N	16418	CoA-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000921 PE=4 SV=1

1186	806	A0A9P5GNT2 A0A9P5GNT2_PENCR	178.91	19	19	0	2.3921E3		3	3	3	0	Y	23631	Adenylyl-sulfate kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006686 PE=3 SV=1
886	629	A0A9P5L0Z0 A0A9P5L0Z0_PENCR	178.61	9	9	0	2.8461E3		6	6	7	0	Y	84794	threonine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010369 PE=3 SV=1
1018	1007	A0A9P5GQM0 A0A9P5GQM0_PENCR	178.38	6	6	0	1.5523E3		4	4	5	0	Y	76807	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003499 PE=4 SV=1
1010	1006	A0A9P5GP89 A0A9P5GP89_PENCR	178.26	11	11	0	1.7535E3		3	3	5	0	Y	42813	FAD/NAD(P)-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002836 PE=4 SV=1
1089	1379	A0A9P5KYR9 A0A9P5KYR9_PENCR	178.24	13	7	13	1.6353E3	4.1203E2	2	2	1	3	Y	25062	Sulfhydryl oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007859 PE=4 SV=1
1363	2194	A0A9P5L4E4 A0A9P5L4E4_PENCR	178.22	22	22	0	1.1557E3		2	2	2	0	N	13213	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005821 PE=4 SV=1
887	733	A0A9P5GEY4 A0A9P5GEY4_PENCR	177.88	14	14	0	1.5303E3		5	5	7	0	N	45436	RNA helicase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008385 PE=3 SV=1
1176	818	A0A9P5GH08 A0A9P5GH08_PENCR	177.59	4	4	0	1.0167E2		3	3	3	0	N	106378	Coatomer subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009722 PE=4 SV=1
883	713	A0A9P5L3N8 A0A9P5L3N8_PENCR	177.50	16	11	8	4.9256E3	0	5	5	5	2	N	45017	SGNH hydrolase-type esterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006793 PE=4 SV=1
1046	1090	A0A9P5GKA1 A0A9P5GKA1_PENCR	177.16	9	9	0	1.5266E3		3	3	5	0	N	55042	Thiamine phosphate synthase/TenI domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009006 PE=3 SV=1
1154	1217	A0A9P5GQW5 A0A9P5GQW5_PENCR	177.16	11	11	0	1.5857E3		3	3	4	0	N	36816	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009612 PE=4 SV=1
1061	999	A0A9P5GJU3 A0A9P5GJU3_PENCR	177.14	25	25	0	1.8084E3		4	4	5	0	Y	18424	Small ribosomal subunit protein uS17 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009858 PE=3 SV=1
1075	840	A0A9P5KVP6 A0A9P5KVP6_PENCR	177.13	11	11	0	1.6357E3		4	4	4	0	N	49214	Phosphatidylinositol transfer protein SFH5 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001236 PE=3 SV=1
1188	964	A0A9P5KY16 A0A9P5KY16_PENCR	176.98	4	4	0	1.0744E3		3	3	3	0	Y	93605	E3 ubiquitin-protein ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005994 PE=3 SV=1

732	1017	A0A9P5KXV0 A0A9P5KXV0_PENCR	176.92	16	10	16	6.0446E3	3.0452E3	3	3	5	7	N	23805	DJ-1/Pfpl domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006434 PE=4 SV=1
794	1555	A0A9P5GM57 A0A9P5GM57_PENCR	176.68	17	17	13	4.0655E3	5.8526E2	3	2	7	3	Y	16219	Hydrophobin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003055 PE=3 SV=1
990	1291	A0A9P5GDG8 A0A9P5GDG8_PENCR	176.58	12	9	12	1.0036E3	2.5841E2	3	3	2	4	Y	52284	Alpha-L-arabinofuranosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002912 PE=3 SV=1
1080	1099	A0A9P5KZ65 A0A9P5KZ65_PENCR	176.05	15	15	0	1.8215E3		2	2	4	0	Y	20841	Cupin type-2 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007497 PE=4 SV=1
1032	1066	A0A9P5GBR5 A0A9P5GBR5_PENCR	175.97	23	23	0	2.2829E3		3	3	5	0	N	21643	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000486 PE=4 SV=1
827	1143	A0A9P5GEY3 A0A9P5GEY3_PENCR	175.97	32	32	5	2.0968E3	2.3832E2	5	5	8	1	Y	26993	NodB homology domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001627 PE=4 SV=1
1281	1315	A0A9P5GBM3 A0A9P5GBM3_PENCR	175.80	9	9	0	5.8971E2		3	3	3	0	N	48144	Methionine aminopeptidase 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003175 PE=3 SV=1
952	934	A0A9P5GBZ7 A0A9P5GBZ7_PENCR	173.88	15	13	5	9.1114E2	0	5	5	4	2	N	48170	FAD dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010712 PE=4 SV=1
1074	814	A0A9P5KWQ1 A0A9P5KWQ1_PENCR	173.65	4	4	0	4.4794E3		4	4	4	0	N	111365	Transcription elongation factor SPT5 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001522 PE=3 SV=1
1033	1097	A0A9P5GSR4 A0A9P5GSR4_PENCR	173.62	31	31	9	9.2987E2	1.2896E2	3	3	4	1	Y	13633	EthD domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000157 PE=3 SV=1
986	1373	A0A9P5KZN4 A0A9P5KZN4_PENCR	173.24	24	24	11	7.468E3	0	3	3	3	3	N	20338	Carboxymuconolactone decarboxylase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001493 PE=4 SV=1
893	610	A0A9P5GA55 A0A9P5GA55_PENCR	173.11	9	9	0	5.5825E3		7	7	7	0	N	96026	Beta-mannosidase B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002365 PE=3 SV=1
1099	994	A0A9P5KZN1 A0A9P5KZN1_PENCR	172.91	7	7	0	5.5156E3		3	3	4	0	N	54354	Maintenance of telomere capping protein 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001494 PE=4 SV=1
982	846	A0A9P5GNX1 A0A9P5GNX1_PENCR	172.64	13	13	0	1.0378E3		5	5	6	0	N	43156	PCI domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004666 PE=3 SV=1
849	762	A0A9P5L100 A0A9P5L100_PENCR	172.59	9	9	5	3.9161E3	0	5	5	5	3	N	59206	Acyltransferase MbtK/lucB-like conserved domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004780 PE=3 SV=1

836	1375	A0A9P5L213 A0A9P5L213_PENCR	171.97	17	17	6	4.2656E3	0	3	3	7	2	Y	32632	Putative peptidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008990 PE=4 SV=1
1094	1038	A0A9P5KXF0 A0A9P5KXF0_PENCR	171.80	4	4	0	2.1595E3		3	3	4	0	N	106054	AP-2 complex subunit alpha OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007319 PE=3 SV=1
864	871	A0A9P5KV77 A0A9P5KV77_PENCR	171.22	22	22	0	1.0141E4		5	5	8	0	N	24673	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002952 PE=3 SV=1
1212	1180	A0A9P5L5R0 A0A9P5L5R0_PENCR	171.21	10	10	0	3.4753E3		3	3	3	0	Y	43129	acetyl-CoA C-acyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002218 PE=3 SV=1
1036	1046	A0A9P5L3V5 A0A9P5L3V5_PENCR	171.00	9	9	7	1.3707E2	0	3	2	3	2	Y	45472	Mannan endo-1,6-alpha-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005068 PE=3 SV=1
1006	714	A0A9P5KWU9 A0A9P5KWU9_PENCR	170.90	7	7	0	1.568E3		5	5	5	0	N	91645	Glutamine amidotransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001124 PE=3 SV=1
903	708	A0A9P5L8R7 A0A9P5L8R7_PENCR	170.88	28	28	0	6.0129E3		5	5	7	0	N	20931	60S ribosomal protein L20 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005114 PE=3 SV=1
1015	890	A0A9P5KZ29 A0A9P5KZ29_PENCR	170.86	34	26	9	9.4566E2	0	4	4	4	1	Y	17013	Calmodulin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002348 PE=3 SV=1
1077	827	A0A9P5GBX1 A0A9P5GBX1_PENCR	170.57	4	4	0	6.3382E2		4	4	4	0	N	171184	Pentafunctional AROM polypeptide OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002315 PE=3 SV=1
736	5719	A0A9P5GFF4 A0A9P5GFF4_PENCR	170.36	16	16	16	4.5961E4	1.4147E4	2	2	6	6	N	17258	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008122 PE=4 SV=1
1173	916	A0A9P5GKH1 A0A9P5GKH1_PENCR	169.48	6	6	0	6.2466E3		3	3	3	0	Y	80474	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004627 PE=4 SV=1
1044	1005	A0A9P5GBT9 A0A9P5GBT9_PENCR	169.35	11	11	0	1.5102E3		4	3	5	0	Y	38439	acetyl-CoA C-acetyltransferase (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003390 PE=3 SV=1
1005	1048	A0A9P5GCR6 A0A9P5GCR6_PENCR	169.00	5	5	0	1.3519E3		3	3	5	0	N	76261	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001626 PE=3 SV=1
1128	1050	A0A9P5GL34 A0A9P5GL34_PENCR	168.98	11	11	0	9.1297E2		4	4	4	0	N	53078	V-type proton ATPase subunit H OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004443 PE=3 SV=1
948	743	A0A9P5L3P4 A0A9P5L3P4_PENCR	168.84	6	6	1	3.477E3	0	5	5	5	1	N	103515	Clp R domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005518 PE=3 SV=1

1146	1251	A0A9P5GRS5 A0A9P5GRS5_PENCR	168.09	6	6	0	1.6606E3		3	3	4	0	Y	63123	Amidophosphoribosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000886 PE=3 SV=1
933	1022	A0A9P5GSH6 A0A9P5GSH6_PENCR	167.65	13	13	6	2.2367E3	0	4	4	5	2	N	36230	Geranylgeranyl transferase type-2 subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000029 PE=3 SV=1
969	805	A0A9P5GW71 A0A9P5GW71_PENCR	167.46	22	14	13	1.3952E3	9.7546E1	5	5	3	3	Y	39993	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010198 PE=3 SV=1
980	2012	A0A9P5GFU9 A0A9P5GFU9_PENCR	167.22	8	8	8	1.9426E3	6.8281E2	2	2	2	4	Y	56762	RNA recognition motif-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009830 PE=4 SV=1
1100	1029	A0A9P5GKR0 A0A9P5GKR0_PENCR	166.92	40	40	0	2.7816E2		4	4	4	0	N	14007	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004335 PE=3 SV=1
1222	1052	A0A9P5L0G0 A0A9P5L0G0_PENCR	166.90	23	23	0	6.2929E2		3	3	3	0	N	26586	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005635 PE=4 SV=1
1371	1085	A0A9P5GJ22 A0A9P5GJ22_PENCR	166.64	12	12	0	1.7435E2		2	2	2	0	N	31524	Thiol methyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010360 PE=4 SV=1
1073	843	A0A9P5L321 A0A9P5L321_PENCR	166.28	9	9	4	1.4383E3	0	3	3	3	1	N	45919	Ran GTPase activating protein 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007541 PE=4 SV=1
975	709	A0A9P5GQX6 A0A9P5GQX6_PENCR	166.01	19	19	0	2.7919E3		6	6	6	0	Y	39560	D-malate dehydrogenase (decarboxylating) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003626 PE=3 SV=1
1195	1061	A0A9P5GJQ8 A0A9P5GJQ8_PENCR	165.90	5	5	0	1.2192E2		3	3	3	0	Y	88132	Elongator complex protein 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007231 PE=3 SV=1
1211	1172	A0A9P5L6H1 A0A9P5L6H1_PENCR	165.77	15	15	0	1.7275E3		3	3	3	0	N	27357	Large ribosomal subunit protein uL2 C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009532 PE=3 SV=1
998	749	A0A9P5KZP2 A0A9P5KZP2_PENCR	164.78	11	11	0	1.4457E3		5	5	5	0	N	60774	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001524 PE=3 SV=1
960	1091	A0A9P5GC55 A0A9P5GC55_PENCR	164.72	19	19	6	1.9549E3	0	4	4	5	1	N	22696	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002480 PE=4 SV=1
936	1042	A0A9P5GXI2 A0A9P5GXI2_PENCR	164.11	11	11	5	1.3896E3	2.0772E2	4	4	4	3	N	53543	Carboxypeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009586 PE=3 SV=1

1167	5722	A0A9P5L2K8 A0A9P5L2K8_PENCR	163.80	13	13	0	4.7533E3		2	2	4	0	N	20967	Isochorismatase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008200 PE=3 SV=1
1141	1049	A0A9P5L0X3 A0A9P5L0X3_PENCR	163.24	14	14	0	1.4863E3		3	3	4	0	Y	31592	ACT domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010422 PE=3 SV=1
1050	5728	A0A9P5L4I7 A0A9P5L4I7_PENCR	163.15	18	18	0	6.7129E3		3	3	5	0	Y	16082	16 kDa allergen OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004499 PE=4 SV=1
954	1008	A0A9P5GWE3 A0A9P5GWE3_PENCR	163.14	11	11	0	1.6423E3		5	5	6	0	Y	47518	Actin-related protein 3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000268 PE=3 SV=1
911	917	A0A9P5GA72 A0A9P5GA72_PENCR	163.04	11	8	11	1.6761E3	1.8547E3	3	3	3	4	Y	45403	Maltose/galactoside acetyltransferase domain-containing protein (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002339 PE=3 SV=1
941	786	A0A9P5L2Y7 A0A9P5L2Y7_PENCR	162.91	6	6	0	7.8281E2		5	5	6	0	Y	126539	leucine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007705 PE=3 SV=1
862	1111	A0A9P5GUH6 A0A9P5GUH6_PENCR	162.84	14	14	5	3.4555E3	0	4	4	5	3	Y	39914	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007033 PE=3 SV=1
1236	1059	A0A9P5GLE4 A0A9P5GLE4_PENCR	162.74	13	13	0	1.719E3		3	3	3	0	N	35632	GH16 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006005 PE=3 SV=1
913	986	A0A9P5L1M4 A0A9P5L1M4_PENCR	162.35	11	0	11		8.1749E2	4	4	0	7	Y	50312	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003958 PE=3 SV=1
913	987	sp A0A0E3D8N6 PENO_PENCR	162.35	11	0	11		8.1749E2	4	4	0	7	Y	50312	FAD-linked oxidoreductase penO OS= <i>Penicillium crustosum</i> OX=36656 GN=penO PE=3 SV=1
979	1024	A0A9P5GXX9 A0A9P5GXX9_PENCR	162.16	14	14	0	6.8738E3		3	3	6	0	N	25457	D-lactate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008933 PE=3 SV=1
1145	1185	A0A9P5GJW7 A0A9P5GJW7_PENCR	161.73	6	6	0	3.1096E3		3	3	4	0	N	59684	Amine oxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007755 PE=3 SV=1
1249	1173	A0A9P5GWT3 A0A9P5GWT3_PENCR	161.72	13	13	0	1.7654E2		3	3	3	0	N	27926	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006132 PE=3 SV=1
1151	1153	A0A9P5L553 A0A9P5L553_PENCR	161.69	65	65	0	3.4321E3		3	3	4	0	Y	7783	Inhibitor I9 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004914 PE=3 SV=1

1126	1305	A0A9P5KXB0 A0A9P5KXB0_PENCR	161.64	25	25	0	4.7286E3		3	3	4	0	Y	17176	Eukaryotic translation initiation factor 4C OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010577 PE=3 SV=1
1150	1125	A0A9P5GD58 A0A9P5GD58_PENCR	161.19	13	13	0	5.5018E2		4	4	4	0	N	39166	Arp2/3 complex 34 kDa subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001585 PE=3 SV=1
919	874	A0A9P5GEA6 A0A9P5GEA6_PENCR	161.09	14	14	6	2.7732E3	5.8174E2	4	4	5	2	N	33036	Class II aldolase/adducin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010632 PE=4 SV=1
1023	816	A0A9P5L0H5 A0A9P5L0H5_PENCR	160.93	8	8	2	2.7657E3	0	4	4	4	1	Y	57495	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000462 PE=3 SV=1
899	802	A0A9P5GIC8 A0A9P5GIC8_PENCR	160.72	12	12	5	4.8354E2	0	4	3	4	3	Y	54397	Beta-glucosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010685 PE=3 SV=1
1079	1095	A0A9P5GV18 A0A9P5GV18_PENCR	160.67	11	11	0	7.759E2		2	2	4	0	N	27819	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001827 PE=3 SV=1
1144	1139	A0A9P5L6S9 A0A9P5L6S9_PENCR	160.16	52	52	0	2.9332E3		4	4	4	0	Y	11166	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002254 PE=4 SV=1
1096	803	A0A9P5L1P3 A0A9P5L1P3_PENCR	159.99	11	11	0	1.9058E3		4	4	4	0	N	52283	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008162 PE=4 SV=1
1261	1167	A0A9P5L2Z9 A0A9P5L2Z9_PENCR	159.84	7	0	7		2.0338E3	3	3	0	3	N	63230	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006465 PE=3 SV=1
712	1392	A0A9P5KW96 A0A9P5KW96_PENCR	159.75	19	19	19	3.717E4	1.8998E4	2	2	7	6	Y	19092	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010020 PE=4 SV=1
1168	5724	A0A9P5GR65 A0A9P5GR65_PENCR	159.71	13	13	7	8.3286E2	0	2	2	3	1	Y	17410	GPI anchored cell wall protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005374 PE=4 SV=1
1218	954	A0A9P5GAX9 A0A9P5GAX9_PENCR	159.46	18	18	0	1.5832E3		3	3	3	0	N	21656	Large ribosomal subunit protein uL15/eL18 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003398 PE=3 SV=1
992	5721	A0A9P5GVK8 A0A9P5GVK8_PENCR	159.40	17	17	8	4.1187E3		2	1	5	1	Y	15581	Hydrophobin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009619 PE=3 SV=1
822	2729	A0A9P5GP39 A0A9P5GP39_PENCR	158.68	8	8	8	2.0622E3	9.9465E2	2	2	2	7	Y	40088	Extracellular protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001410 PE=4 SV=1
1086	903	A0A9P5GXB1 A0A9P5GXB1_PENCR	158.67	7	7	0	3.2345E2		3	2	4	0	Y	55852	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007036 PE=3 SV=1

1027	736	A0A9P5KXX5 A0A9P5KXX5_PENCR	158.33	7	7	2	6.1269E3	2.32E2	3	3	4	1	N	58008	Acetyl-CoA hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001166 PE=3 SV=1
1139	897	A0A9P5L628 A0A9P5L628_PENCR	158.23	17	17	0	1.6972E3		4	4	4	0	N	33497	NmrA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004144 PE=3 SV=1
1436	4225	A0A9P5GJ26 A0A9P5GJ26_PENCR	158.07	18	18	0	1.6818E3		2	2	2	0	N	23195	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009311 PE=4 SV=1
1292	1361	A0A9P5GRM2 A0A9P5GRM2_PENCR	157.61	21	0	21		1.0321E3	3	3	0	3	Y	18593	Small secreted protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002186 PE=4 SV=1
830	875	A0A9P5GV29 A0A9P5GV29_PENCR	157.08	20	9	17	1.9001E2	5.3814E2	5	5	3	6	N	25526	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001842 PE=4 SV=1
1091	876	A0A9P5KZM4 A0A9P5KZM4_PENCR	157.06	6	6	1	9.6987E2		3	2	3	1	N	58456	Protein MSS51, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001552 PE=4 SV=1
1293	1363	A0A9P5GK91 A0A9P5GK91_PENCR	156.79	5	5	0	6.1707E2		3	3	3	0	N	90916	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009110 PE=4 SV=1
1011	948	A0A9P5L611 A0A9P5L611_PENCR	156.72	10	10	0	2.1046E2		4	4	5	0	N	48934	AAA+ ATPase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003795 PE=3 SV=1
962	906	A0A9P5GU81 A0A9P5GU81_PENCR	156.47	19	19	0	2.0068E3		4	4	6	0	N	31761	3-methyl-2-oxobutanoate hydroxymethyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005031 PE=3 SV=1
1219	958	A0A9P5GGD0 A0A9P5GGD0_PENCR	156.38	15	15	0	5.9049E2		3	3	3	0	Y	32894	NAD(P)-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001104 PE=4 SV=1
955	834	A0A9P5GUE3 A0A9P5GUE3_PENCR	156.11	14	14	2	2.3845E3	0	5	5	5	1	Y	55640	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003586 PE=4 SV=1
985	1089	A0A9P5KVL2 A0A9P5KVL2_PENCR	156.02	11	11	4	1.4233E3	1.1305E2	4	4	5	1	Y	34429	SPRY domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001548 PE=4 SV=1
1087	1051	A0A9P5GMV6 A0A9P5GMV6_PENCR	155.97	7	7	0	6.4897E2		3	3	4	0	N	50914	acetylornithine transaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007422 PE=3 SV=1
906	887	A0A9P5GTZ7 A0A9P5GTZ7_PENCR	155.89	15	15	0	6.8493E3		6	6	7	0	N	36973	Band 7 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008821 PE=3 SV=1
1078	908	A0A9P5GE57 A0A9P5GE57_PENCR	155.61	8	8	2	7.0197E2	0	3	3	3	1	N	64832	FACT complex subunit POB3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002721 PE=3 SV=1

1140	1009	A0A9P5L1B4 A0A9P5L1B4_PENCR	155.45	10	10	0	3.379E3		4	4	4	0	N	49259	propanoyl-CoA C-acyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004316 PE=4 SV=1
1309	941	A0A9P5KWF2 A0A9P5KWF2_PENCR	154.66	4	4	0	1.1187E3		2	2	2	0	N	83923	DUF255 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009745 PE=4 SV=1
928	1057	A0A9P5GGG2 A0A9P5GGG2_PENCR	154.20	14	3	14	5.5795E2	1.2972E3	4	4	1	6	Y	34615	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007443 PE=4 SV=1
1156	1339	A0A9P5GC83 A0A9P5GC83_PENCR	153.84	9	9	3	0	0	3	3	3	1	N	60428	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002077 PE=4 SV=1
946	923	A0A9P5GWX7 A0A9P5GWX7_PENCR	153.77	4	4	4	4.4672E3	1.2795E3	3	3	3	3	N	91535	Transcription factor BYE1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006192 PE=3 SV=1
753	1298	A0A9P5GEU4 A0A9P5GEU4_PENCR	153.05	35	35	35	8.7073E3	0	3	3	8	3	N	12125	ABM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000657 PE=4 SV=1
1282	1400	A0A9P5GR77 A0A9P5GR77_PENCR	152.66	8	3	8	0	2.8538E2	3	3	1	2	N	38588	Arabinogalactan endo-beta-1,4-galactanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007172 PE=3 SV=1
1245	3249	A0A9P5GIA7 A0A9P5GIA7_PENCR	152.47	37	37	0	1.4537E4		2	2	3	0	Y	12077	Profilin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010754 PE=3 SV=1
942	965	A0A9P5GR92 A0A9P5GR92_PENCR	152.12	6	6	0	1.5639E3		2	2	6	0	Y	77205	ML-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005856 PE=3 SV=1
775	1371	A0A9P5GE10 A0A9P5GE10_PENCR	151.79	4	4	4	1.9933E3	0	3	3	7	3	N	57912	Inactive metallocarboxypeptidase ECM14 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000500 PE=3 SV=1
1152	1202	A0A9P5KYS2 A0A9P5KYS2_PENCR	151.60	22	22	0	1.895E3		3	3	4	0	N	22553	40S ribosomal protein S8 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004763 PE=3 SV=1
949	619	A0A9P5GHD0 A0A9P5GHD0_PENCR	151.14	16	16	0	2.5501E3		6	6	6	0	Y	52982	NADH-quinone oxidoreductase subunit D domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009256 PE=3 SV=1
1132	1188	A0A9P5GUA0 A0A9P5GUA0_PENCR	151.12	31	31	0	2.1923E3		4	4	4	0	Y	11212	Dynein light chain OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005062 PE=3 SV=1
1472	5714	A0A9P5GN68 A0A9P5GN68_PENCR	151.07	7	7	0	2.8014E2		2	2	2	0	N	64571	Glucose-methanol-choline oxidoreductase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005566 PE=3 SV=1

1024	870	A0A9P5GTK4 A0A9P5GTK4_PENCR	150.57	11	11	0	1.9609E3		5	5	5	0	Y	48983	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003846 PE=4 SV=1
876	889	A0A9P5GFS3 A0A9P5GFS3_PENCR	150.45	41	41	21	3.9271E3	0	4	4	5	3	N	13513	Sm domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001052 PE=3 SV=1
1076	750	A0A9P5GTL2 A0A9P5GTL2_PENCR	150.43	4	4	0	4.5751E2		4	4	4	0	N	143927	ubiquitinyl hydrolase 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007931 PE=4 SV=1
1415	4273	A0A9P5KY58 A0A9P5KY58_PENCR	150.40	9	9	0	3.0645E3		2	2	2	0	N	29958	Nitroreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002361 PE=4 SV=1
950	1040	A0A9P5L5Z3 A0A9P5L5Z3_PENCR	150.38	5	5	0	1.6891E3		4	4	6	0	N	57308	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001403 PE=3 SV=1
1041	969	A0A9P5GZE5 A0A9P5GZE5_PENCR	150.24	32	32	0	4.1127E3		4	4	5	0	N	15909	40S ribosomal protein S16 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003584 PE=3 SV=1
1035	959	A0A9P5L950 A0A9P5L950_PENCR	150.11	10	10	0	5.1256E3		3	3	5	0	N	39384	Fe2OG dioxygenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000167 PE=3 SV=1
1052	1063	A0A9P5GQD4 A0A9P5GQD4_PENCR	149.60	13	13	3	2.788E2	6.9153E2	4	4	4	1	Y	42268	WD40 repeat-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005226 PE=4 SV=1
900	815	A0A9P5GKW3 A0A9P5GKW3_PENCR	149.19	21	12	18	1.1084E3	7.2548E2	5	5	3	4	N	30406	Enoyl-CoA hydratase/isomerase family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009127 PE=4 SV=1
1304	1073	A0A9P5GGR6 A0A9P5GGR6_PENCR	148.67	4	4	0	9.0215E2		2	2	2	0	N	84657	ATP-grasp domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008723 PE=3 SV=1
1193	1078	A0A9P5GPT7 A0A9P5GPT7_PENCR	148.62	6	6	4	7.7786E2	4.6723E2	2	2	2	1	N	45157	Protein kinase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010166 PE=3 SV=1
1346	1397	A0A9P5L5A8 A0A9P5L5A8_PENCR	148.52	12	12	0	2.1315E3		2	2	2	0	N	25293	26S proteasome non-ATPase regulatory subunit 9 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004686 PE=3 SV=1
1235	1033	A0A9P5GM04 A0A9P5GM04_PENCR	148.31	7	7	0	4.1651E2		3	3	3	0	N	70050	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005598 PE=4 SV=1
963	953	A0A9P5GRF4 A0A9P5GRF4_PENCR	148.26	12	12	0	1.6197E3		3	3	6	0	N	35045	Altered inheritance of mitochondria protein 6 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003047 PE=3 SV=1
863	745	A0A9P5GVU3 A0A9P5GVU3_PENCR	147.74	20	20	8	2.5718E3	1.3146E2	5	5	5	3	N	35823	Palmitoyl-protein thioesterase 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008876 PE=4 SV=1

1097	901	A0A9P5L1W5 A0A9P5L1W5_PENCR	147.71	6	6	0	1.2711E3		3	3	4	0	Y	74497	MoaB/Mog domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009088 PE=3 SV=1
1133	1213	A0A9P5GNP3 A0A9P5GNP3_PENCR	147.39	11	11	0	7.6717E2		3	3	4	0	N	43851	L-2-hydroxyglutarate dehydrogenase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004747 PE=3 SV=1
1240	1166	A0A9P5GIE7 A0A9P5GIE7_PENCR	147.27	6	0	6		3.4835E2	3	3	0	3	N	62755	TPR domain protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010715 PE=4 SV=1
1067	1369	A0A9P5GRR4 A0A9P5GRR4_PENCR	147.23	28	15	20	0	4.3786E2	3	3	2	3	Y	12202	ATP phosphoribosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004983 PE=4 SV=1
1217	898	A0A9P5KY60 A0A9P5KY60_PENCR	146.96	11	11	0	4.7416E2		3	3	3	0	Y	54162	Phosphotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005817 PE=3 SV=1
1239	1151	A0A9P5L110 A0A9P5L110_PENCR	146.19	15	15	0	2.3282E3		3	3	3	0	N	29547	Actin cross-linking OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004810 PE=3 SV=1
964	966	A0A9P5GDC4 A0A9P5GDC4_PENCR	145.91	7	7	0	1.2737E3		3	3	6	0	Y	67629	Replication protein A subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001118 PE=3 SV=1
1312	955	A0A9P5L705 A0A9P5L705_PENCR	145.67	1	1	0	3.5639E3		2	2	2	0	N	263516	Carrier domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001406 PE=3 SV=1
929	2706	A0A9P5GV90 A0A9P5GV90_PENCR	145.66	19	19	8	3.0962E3	9.0347E2	3	3	5	2	N	22889	EF-hand domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000236 PE=4 SV=1
1108	1071	A0A9P5KYS5 A0A9P5KYS5_PENCR	145.21	11	4	11	0	2.1247E2	3	3	1	3	Y	33076	Asp/Glu/hydantoin racemase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002903 PE=3 SV=1
915	1201	A0A9P5KXV2 A0A9P5KXV2_PENCR	145.21	28	28	15	7.4557E3	5.0332E2	2	2	5	2	N	11920	Thiamine-binding protein domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002970 PE=3 SV=1
921	926	A0A9P5L0M8 A0A9P5L0M8_PENCR	145.20	8	8	0	1.4487E3		4	4	7	0	N	68300	Carboxypeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009370 PE=3 SV=1
1037	1076	A0A9P5L2N0 A0A9P5L2N0_PENCR	145.14	15	15	0	4.1386E3		4	4	5	0	N	46216	nitric oxide dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008120 PE=3 SV=1
1014	1019	A0A9P5GPC2 A0A9P5GPC2_PENCR	144.72	9	9	5	1.2287E3	9.5152E1	2	2	4	1	N	31468	Cleavage and polyadenylation specificity factor subunit 5 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006444 PE=4 SV=1
1398	1562	A0A9P5GQL6 A0A9P5GQL6_PENCR	144.70	14	14	0	9.4228E2		2	2	2	0	N	21623	3-hydroxyanthranilate 3,4-dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=BNA1 PE=3 SV=1

918	836	A0A9P5GEP2 A0A9P5GEP2_PENCR	144.67	41	41	0	7.6571E3		5	5	7	0	Y	14709	40S ribosomal protein S22 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001755 PE=3 SV=1
880	1362	A0A9P5GBC7 A0A9P5GBC7_PENCR	144.66	35	35	0	1.737E4		4	4	8	0	N	9307	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002757 PE=3 SV=1
1208	1083	A0A9P5L4P8 A0A9P5L4P8_PENCR	144.45	4	4	0	1.1994E3		3	3	3	0	N	103901	Alpha-galactosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005755 PE=3 SV=1
1053	1122	A0A9P5GUB5 A0A9P5GUB5_PENCR	144.38	21	21	0	3.8621E3		4	4	5	0	N	33077	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001890 PE=4 SV=1
819	921	A0A9P5GHK7 A0A9P5GHK7_PENCR	144.34	7	3	7	1.0536E3	8.594E2	4	4	2	7	N	69658	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006684 PE=4 SV=1
961	797	A0A9P5KZD2 A0A9P5KZD2_PENCR	144.16	16	16	0	1.1391E3		5	5	6	0	N	32996	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001808 PE=3 SV=1
1425	1348	A0A9P5GSJ4 A0A9P5GSJ4_PENCR	144.05	5	5	0	1.072E3		2	2	2	0	Y	60335	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004858 PE=4 SV=1
1163	5737	A0A9P5GAJ0 A0A9P5GAJ0_PENCR	144.03	15	15	0	2.2136E3		2	2	4	0	Y	18749	Ubiquinol-cytochrome C reductase hinge domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001718 PE=3 SV=1
987	913	A0A9P5KXM2 A0A9P5KXM2_PENCR	144.02	11	0	11		5.5545E2	5	5	0	6	N	68509	Beta-galactosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009923 PE=3 SV=1
976	863	A0A9P5GUU2 A0A9P5GUU2_PENCR	143.79	18	18	0	9.0834E2		4	3	6	0	Y	35687	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005065 PE=3 SV=1
1124	1267	A0A9P5L3F4 A0A9P5L3F4_PENCR	143.64	15	15	0	7.7628E2		3	3	4	0	Y	28471	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007058 PE=4 SV=1
1169	5726	A0A9P5GMA5 A0A9P5GMA5_PENCR	143.63	6	6	4	6.19E2	2.2672E2	2	2	3	1	N	41228	Beta-xylanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004733 PE=3 SV=1
762	8213	A0A9P5GNI6 A0A9P5GNI6_PENCR	143.60	16	16	0	7.1008E4		1	1	11	0	N	16196	BYS1 domain protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006446 PE=4 SV=1
1198	918	A0A9P5GB89 A0A9P5GB89_PENCR	143.55	11	11	0	3.27E3		3	3	3	0	N	42590	D-xylose 1-dehydrogenase (NADP(+), D-xylono-1,5-lactone-forming) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000830 PE=3 SV=1
1000	892	A0A9P5GDT8 A0A9P5GDT8_PENCR	142.91	4	4	0	1.0671E3		3	3	5	0	N	100586	Coatomer subunit gamma OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001093 PE=3 SV=1

1112	1447	A0A9P5GRH5 A0A9P5GRH5_PENCR	142.82	3	3	0	1.0554E3		2	2	4	0	N	108358	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002552 PE=4 SV=1
1412	3200	A0A9P5GF17 A0A9P5GF17_PENCR	142.27	4	4	0	1.1299E3		2	2	2	0	N	71116	YAP-binding/ALF4/Glomulin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002657 PE=4 SV=1
1340	1112	A0A9P5GG88 A0A9P5GG88_PENCR	141.95	4	4	0	3.0268E2		2	2	2	0	N	81033	Ubiquitin carboxyl-terminal hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001117 PE=3 SV=1
1104	1263	A0A9P5GU37 A0A9P5GU37_PENCR	141.93	19	19	0	1.4878E3		2	2	4	0	N	22057	Coatomer subunit zeta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004971 PE=3 SV=1
1047	1147	A0A9P5KWU1 A0A9P5KWU1_PENCR	141.65	13	13	3	6.4584E3	0	3	3	4	1	N	27178	Phospholipase/carboxylesterase/thioesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001219 PE=3 SV=1
1221	1047	A0A9P5GJE0 A0A9P5GJE0_PENCR	141.59	26	26	0	1.8452E3		3	3	3	0	N	17459	Polysaccharide biosynthesis domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005657 PE=4 SV=1
837	1386	A0A9P5L2C0 A0A9P5L2C0_PENCR	141.38	17	13	17	1.7471E3	3.8721E3	3	3	4	5	Y	18425	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007351 PE=4 SV=1
1273	5727	A0A9P5GPX3 A0A9P5GPX3_PENCR	141.35	7	7	0	8.3863E2		3	3	3	0	N	41590	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010212 PE=4 SV=1
1197	830	A0A9P5L686 A0A9P5L686_PENCR	141.19	6	6	0	4.6413E2		3	3	3	0	N	71224	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004049 PE=4 SV=1
1135	1444	A0A9P5L8V9 A0A9P5L8V9_PENCR	141.17	9	9	0	1.3843E3		2	2	4	0	Y	40337	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000153 PE=3 SV=1
1266	1309	A0A9P5GGY2 A0A9P5GGY2_PENCR	140.78	12	12	0	5.5352E2		3	3	3	0	N	38279	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007228 PE=3 SV=1
1030	947	A0A9P5KYF6 A0A9P5KYF6_PENCR	140.50	18	18	0	2.312E3		3	3	5	0	Y	29407	HpcH/HpaI aldolase/citrate lyase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008381 PE=4 SV=1
1203	905	A0A9P5GXM0 A0A9P5GXM0_PENCR	140.31	9	9	0	7.4046E2		3	3	3	0	N	49478	non-specific serine/threonine protein kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007189 PE=3 SV=1
1259	1123	A0A9P5GEX7 A0A9P5GEX7_PENCR	139.98	6	6	0	4.9317E2		3	2	3	0	Y	48128	Mitogen-activated protein kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010371 PE=3 SV=1

1157	1365	A0A9P5GK40 A0A9P5GK40_PENCR	139.96	48	48	0	8.1168E2		3	3	4	0	Y	11067	Copper resistance protein Crd2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007318 PE=4 SV=1
1233	1021	A0A9P5GBV6 A0A9P5GBV6_PENCR	139.66	13	13	0	3.2339E3		3	3	3	0	Y	28065	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino]imidazole-4-carboxamide isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002897 PE=3 SV=1
1206	932	A0A9P5GNQ0 A0A9P5GNQ0_PENCR	139.57	3	3	0	1.7039E3		3	3	3	0	Y	137159	Protein transport protein SEC31 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006358 PE=3 SV=1
1397	1553	A0A9P5GRS2 A0A9P5GRS2_PENCR	139.34	7	7	0	7.5765E2		2	1	2	0	N	43789	AAA+ ATPase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007199 PE=3 SV=1
1262	1170	A0A9P5GHC0 A0A9P5GHC0_PENCR	139.31	16	16	0	1.8924E3		3	3	3	0	N	25785	N-acetyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009241 PE=4 SV=1
924	5770	A0A9P5GSE4 A0A9P5GSE4_PENCR	139.18	10	10	7	7.0178E3	2.4436E3	2	2	4	3	Y	23354	Copper acquisition factor BIM1-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003763 PE=4 SV=1
1252	1583	A0A9P5GT25 A0A9P5GT25_PENCR	139.03	5	5	0	8.2703E2		2	2	3	0	N	47560	FAD dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000313 PE=4 SV=1
1317	1032	A0A9P5L227 A0A9P5L227_PENCR	138.69	5	5	0	4.0433E2		2	2	2	0	N	51968	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007538 PE=4 SV=1
1335	1844	A0A9P5KZE3 A0A9P5KZE3_PENCR	138.37	5	0	5		3.951E2	2	2	0	2	N	66648	Non-hemolytic phospholipase C OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001747 PE=4 SV=1
1121	1178	A0A9P5GL53 A0A9P5GL53_PENCR	137.99	7	4	7	2.1917E3	1.6314E3	2	2	2	2	N	34670	Gamma interferon inducible lysosomal thiol reductase GILT OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006230 PE=3 SV=1
866	960	A0A9P5L3W4 A0A9P5L3W4_PENCR	137.92	20	11	20	2.8956E2	0	4	4	3	5	N	29737	U2A'/phosphoprotein 32 family A C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005098 PE=4 SV=1
1123	1206	A0A9P5GQG0 A0A9P5GQG0_PENCR	137.90	28	28	0	3.9252E3		3	3	4	0	Y	10886	Cytochrome c oxidase subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006355 PE=3 SV=1
953	949	A0A9P5GT05 A0A9P5GT05_PENCR	137.81	11	11	0	4.6935E2		4	4	6	0	Y	38884	Guanine nucleotide-binding protein subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000169 PE=3 SV=1
1138	4557	A0A9P5GJ91 A0A9P5GJ91_PENCR	137.79	15	10	15	0	7.5292E3	2	2	1	3	Y	16878	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007578 PE=4 SV=1

999	783	A0A9P5GTD6 A0A9P5GTD6_PENCR	137.49	11	11	0	1.2557E3		5	5	5	0	N	64919	PWWP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010186 PE=4 SV=1
1279	1281	A0A9P5GCQ0 A0A9P5GCQ0_PENCR	137.35	11	11	0	2.7382E3		3	3	3	0	N	36792	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001591 PE=4 SV=1
1155	1303	A0A9P5GWL7 A0A9P5GWL7_PENCR	137.25	16	16	0	4.0181E3		3	3	4	0	N	31254	Regulator of volume decrease after cellular swelling-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009632 PE=4 SV=1
1230	2754	A0A9P5L3V0 A0A9P5L3V0_PENCR	137.12	10	10	0	1.6617E3		2	2	3	0	N	30641	AA9 family lytic polysaccharide monooxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005053 PE=4 SV=1
1454	4445	A0A9P5GJP1 A0A9P5GJP1_PENCR	137.01	14	14	0	3.4231E3		2	2	2	0	N	16377	40S ribosomal protein S19 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007776 PE=3 SV=1
1043	886	A0A9P5L1J3 A0A9P5L1J3_PENCR	136.77	20	9	11	1.5818E3	0	4	4	3	2	Y	23291	GTP-binding protein ypt1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009509 PE=3 SV=1
1213	1448	A0A9P5GRG7 A0A9P5GRG7_PENCR	136.43	5	5	2	1.5636E3	4.2911E2	2	2	2	1	N	55168	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003062 PE=4 SV=1
1125	1268	A0A9P5L256 A0A9P5L256_PENCR	136.25	10	7	6	0	0	3	3	2	2	N	35768	Histidinol-phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008698 PE=3 SV=1
1143	1119	A0A9P5L6G5 A0A9P5L6G5_PENCR	136.24	8	6	5	2.4136E2	0	3	3	2	2	Y	58413	Amidohydrolase 3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003128 PE=4 SV=1
1210	1154	A0A9P5GP55 A0A9P5GP55_PENCR	136.19	21	21	0	8.0184E2		2	2	3	0	Y	16052	DNA-directed RNA polymerases I, II, and III subunit RPABC3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002776 PE=3 SV=1
1234	1028	A0A9P5GKV5 A0A9P5GKV5_PENCR	136.19	9	9	0	1.6891E3		3	3	3	0	Y	40267	CobW/HypB/UreG nucleotide-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005711 PE=4 SV=1
1131	1182	A0A9P5GR69 A0A9P5GR69_PENCR	136.15	4	3	3	2.4032E3	0	3	3	2	2	Y	143939	Disintegrin and metalloproteinase domain-containing protein B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002261 PE=4 SV=1
1220	984	A0A9P5L1F9 A0A9P5L1F9_PENCR	136.05	14	14	0	3.3751E3		3	3	3	0	Y	37250	COP9 signalosome complex subunit 5 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009660 PE=3 SV=1
1177	845	A0A9P5GGG9 A0A9P5GGG9_PENCR	136.03	7	7	0	8.7999E2		3	3	3	0	N	69233	Choline/carnitine acyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007433 PE=3 SV=1

1278	1226	A0A9P5GHS4 A0A9P5GHS4_PENCR	135.76	13	13	0	1.9997E3		3	3	3	0	N	32157	CN hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006409 PE=4 SV=1
1360	1577	A0A9P5L5W8 A0A9P5L5W8_PENCR	135.47	5	5	0	1.5754E3		2	2	2	0	N	57354	Pyruvate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004196 PE=3 SV=1
1113	2262	A0A9P5GDW5 A0A9P5GDW5_PENCR	135.42	8	8	0	8.9443E2		2	2	4	0	N	37048	Catechol dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001054 PE=3 SV=1
1344	1230	A0A9P5GE24 A0A9P5GE24_PENCR	135.40	2	2	0	2.7869E2		2	2	2	0	N	139630	Nuclear envelope pore membrane protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000561 PE=4 SV=1
1427	1443	A0A9P5GPB9 A0A9P5GPB9_PENCR	135.18	28	28	0	8.5372E2		2	2	2	0	N	9393	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004091 PE=4 SV=1
1258	1081	A0A9P5GHR6 A0A9P5GHR6_PENCR	135.08	8	5	3	0	0	3	3	2	1	Y	49157	Protein farnesyltransferase subunit beta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010624 PE=3 SV=1
1159	1425	A0A9P5GUR8 A0A9P5GUR8_PENCR	135.04	8	8	0	3.8026E3		2	2	4	0	N	37940	homoserine kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002594 PE=3 SV=1
1199	1265	A0A9P5GJT3 A0A9P5GJT3_PENCR	134.84	11	11	0	1.7873E3		2	2	3	0	N	25863	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008730 PE=4 SV=1
1166	5720	A0A9P5GFA6 A0A9P5GFA6_PENCR	134.28	21	21	21	0	0	2	2	2	2	N	15442	xyloglucan-specific endo-beta-1,4-glucanase (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010328 PE=3 SV=1
890	924	A0A9P5GQS7 A0A9P5GQS7_PENCR	133.86	5	3	4	1.0966E3	0	3	3	2	5	Y	65679	Peptidase S9 prolyl oligopeptidase catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004877 PE=4 SV=1
1149	1842	A0A9P5GJI8 A0A9P5GJI8_PENCR	133.57	8	8	0	3.5872E2		2	2	4	0	N	34336	RNA ligase/cyclic nucleotide phosphodiesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009112 PE=4 SV=1
1457	5718	A0A9P5GG98 A0A9P5GG98_PENCR	133.54	18	18	0	0		2	2	2	0	N	21379	Flavodoxin-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007471 PE=3 SV=1
1083	1532	A0A9P5GDM7 A0A9P5GDM7_PENCR	132.87	4	4	0	5.4002E2		2	2	4	0	N	77325	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001249 PE=4 SV=1
1184	1012	A0A9P5GPN2 A0A9P5GPN2_PENCR	132.86	3	3	0	3.8347E2		2	2	3	0	N	85810	ADP-ribosylation factor OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000353 PE=3 SV=1
1238	1118	A0A9P5KVC3 A0A9P5KVC3_PENCR	132.83	7	7	0	1.7114E3		3	3	3	0	N	57054	Amidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002441 PE=4 SV=1

1088	1149	A0A9P5GZ94 A0A9P5GZ94_PENCR	132.82	5	3	5	3.6829E2	1.0185E3	2	2	1	3	N	45950	Autophagy-related protein 18 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000235 PE=3 SV=1
1204	920	A0A9P5GZU0 A0A9P5GZU0_PENCR	132.72	4	4	0	1.5793E3		3	3	3	0	N	97317	Arginine-requiring protein 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003779 PE=3 SV=1
991	1904	A0A9P5GBM7 A0A9P5GBM7_PENCR	132.58	12	12	10	1.7719E3	0	2	2	5	1	N	25081	Necrosis inducing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002486 PE=3 SV=1
1269	2805	A0A9P5GNW2 A0A9P5GNW2_PENCR	132.29	5	3	3	1.9072E5	0	2	2	2	1	Y	59390	Carboxylic ester hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003311 PE=3 SV=1
1241	1187	A0A9P5KZA0 A0A9P5KZA0_PENCR	132.07	9	9	0	1.7661E3		3	3	3	0	Y	49927	ATP-dependent RNA helicase SUB2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002025 PE=3 SV=1
1162	5716	A0A9P5GLU8 A0A9P5GLU8_PENCR	131.77	10	10	4	2.0786E3	0	2	2	2	2	N	42877	Ceramide very long chain fatty acid hydroxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008560 PE=3 SV=1
1355	1382	A0A9P5KZ08 A0A9P5KZ08_PENCR	131.67	5	5	0	8.253E2		2	2	2	0	N	49396	Pre-mRNA-splicing factor PRP46 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004435 PE=3 SV=1
901	902	A0A9P5GV09 A0A9P5GV09_PENCR	131.51	7	7	0	1.0272E3		3	3	7	0	N	62456	CAIB/BAIF family enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000130 PE=4 SV=1
1134	1270	A0A9P5GF63 A0A9P5GF63_PENCR	131.34	23	15	23	8.6083E1	5.1468E2	2	2	1	3	N	14451	VOC domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000487 PE=4 SV=1
1356	1402	A0A9P5GTF3 A0A9P5GTF3_PENCR	131.24	7	7	0	1.5284E3		2	2	2	0	N	33432	Phosphoribosylaminoimidazole-succinocarboxamide synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004041 PE=3 SV=1
795	8214	A0A9P5L808 A0A9P5L808_PENCR	130.96	14	14	14	1.4812E5	3.9128E3	1	1	8	2	N	14585	Small secreted protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007093 PE=4 SV=1
1714	3030	A0A9P5GR36 A0A9P5GR36_PENCR	130.84	6	6	0	4.7296E2		1	1	1	0	N	28736	HpcH/Hpal aldolase/citrate lyase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007112 PE=3 SV=1
1109	1074	A0A9P5L413 A0A9P5L413_PENCR	130.09	3	3	0	5.7881E2		2	2	4	0	Y	74218	BPL/LPL catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006540 PE=3 SV=1
1081	1287	A0A9P5GJ53 A0A9P5GJ53_PENCR	129.50	4	4	0	0		1	1	4	0	N	38019	Alcohol dehydrogenase iron-type/glycerol dehydrogenase GldA domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007652 PE=4 SV=1

1353	1177	A0A9P5GEK0 A0A9P5GEK0_PENCR	129.14	5	5	0	3.2054E2		2	2	2	0	N	61513	ferric-chelate reductase (NADPH) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008687 PE=3 SV=1
1161	1884	A0A9P5GME7 A0A9P5GME7_PENCR	128.96	7	7	7	1.0028E3	4.604E2	2	2	2	2	N	28020	Exoribonuclease phosphorolytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007619 PE=3 SV=1
1229	1684	A0A9P5KYT8 A0A9P5KYT8_PENCR	128.61	21	21	0	1.2328E3		2	2	3	0	N	12302	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007919 PE=3 SV=1
1289	5766	A0A9P5L734 A0A9P5L734_PENCR	128.44	7	7	0	1.3605E3		3	3	3	0	N	26377	Yeast cell wall synthesis Kre9/Knh1-like N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001865 PE=4 SV=1
1085	899	A0A9P5GT72 A0A9P5GT72_PENCR	128.32	10	10	0	1.0319E4		3	3	4	0	Y	44833	cAMP-dependent protein kinase regulatory subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000322 PE=3 SV=1
1122	1204	A0A9P5L118 A0A9P5L118_PENCR	128.28	19	19	0	1.1057E3		3	3	4	0	N	21930	Glutamyl-tRNA synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008010 PE=4 SV=1
1057	1838	A0A9P5GL10 A0A9P5GL10_PENCR	128.05	15	15	0	4.7623E3		2	2	5	0	N	18027	Glycine cleavage system H protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008158 PE=3 SV=1
1294	1366	A0A9P5GRK2 A0A9P5GRK2_PENCR	127.59	26	26	0	1.3423E3		3	3	3	0	N	13642	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004480 PE=4 SV=1
1872	8215	A0A9P5GQM5 A0A9P5GQM5_PENCR	127.58	8	8	0	0		1	1	1	0	N	21983	Glycine zipper 2TM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005643 PE=4 SV=1
1354	1220	A0A9P5KYG4 A0A9P5KYG4_PENCR	127.51	7	0	7		3.146E2	2	2	0	2	N	47114	Histidinol dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005349 PE=3 SV=1
965	1016	A0A9P5L863 A0A9P5L863_PENCR	127.37	10	10	5	2.4104E3	1.3484E2	3	3	4	2	N	40876	Vacuolar protein sorting-associated protein 26 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008073 PE=3 SV=1
1248	1108	A0A9P5GGG3 A0A9P5GGG3_PENCR	127.07	10	10	0	1.0657E3		3	3	3	0	Y	38482	Isopropylmalate dehydrogenase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009832 PE=3 SV=1
791	5733	A0A9P5GB10 A0A9P5GB10_PENCR	126.68	7	7	7	5.0737E3	1.8213E3	2	2	5	5	N	35641	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001171 PE=3 SV=1
938	5725	A0A9P5GFZ8 A0A9P5GFZ8_PENCR	126.62	15	15	15	3.1207E3	9.1095E2	2	2	5	2	N	19001	Lysozyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010077 PE=3 SV=1

1339	1087	A0A9P5KWX1 A0A9P5KWX1_PENCR	126.51	8	8	0	5.1951E2		2	2	2	0	N	42511	UBX domain-containing protein 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008394 PE=4 SV=1
1277	1211	A0A9P5L4W2 A0A9P5L4W2_PENCR	126.45	9	9	0	3.4962E2		3	3	3	0	Y	38587	Peroxin-7 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005571 PE=3 SV=1
1224	1107	A0A9P5KZ54 A0A9P5KZ54_PENCR	126.27	10	10	0	6.8296E2		2	2	3	0	N	30858	Prohibitin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000767 PE=3 SV=1
1396	1544	A0A9P5L1E4 A0A9P5L1E4_PENCR	126.23	7	0	7		0	2	2	0	2	Y	56410	chitinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008426 PE=3 SV=1
1295	1374	A0A9P5GH10 A0A9P5GH10_PENCR	126.20	13	0	13		1.2567E2	3	3	0	3	N	40407	Beta-xylanase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006944 PE=3 SV=1
1237	1084	A0A9P5GKE3 A0A9P5GKE3_PENCR	126.08	26	26	0	1.5026E3		3	3	3	0	N	16276	40S ribosomal protein S17 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004582 PE=3 SV=1
1192	1323	A0A9P5GP56 A0A9P5GP56_PENCR	125.49	8	8	0	0		3	3	3	0	N	65116	Splicing factor U2AF subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006953 PE=3 SV=1
1393	1490	A0A9P5GQP2 A0A9P5GQP2_PENCR	125.43	13	13	0	1.481E3		2	2	2	0	N	21660	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002827 PE=4 SV=1
1283	1515	A0A9P5GDJ4 A0A9P5GDJ4_PENCR	125.00	15	15	0	5.4959E2		2	2	3	0	N	23812	N,O-diacetylmuramidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001638 PE=3 SV=1
1280	1306	A0A9P5GSW1 A0A9P5GSW1_PENCR	124.83	5	5	0	5.0233E2		3	3	3	0	N	60975	NAD binding Rossmann fold oxidoreductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003467 PE=4 SV=1
1170	5730	A0A9P5GN76 A0A9P5GN76_PENCR	124.64	15	15	15	2.0138E3	4.8874E2	2	2	2	2	N	19421	Phosphoglycerate mutase family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002854 PE=4 SV=1
1791	6710	A0A9P5GNI3 A0A9P5GNI3_PENCR	124.58	10	10	0	0		1	1	1	0	Y	28135	Asl1-like glycosyl hydrolase catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002180 PE=4 SV=1
1114	5740	A0A9P5L0R7 A0A9P5L0R7_PENCR	124.51	8	8	3	3.4451E3	2.5653E3	3	3	3	1	Y	58940	Amidohydrolase 3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009531 PE=4 SV=1
1433	1921	A0A9P5KXK9 A0A9P5KXK9_PENCR	123.99	9	9	0	8.5694E2		2	2	2	0	N	27532	Mitochondrial thiamine pyrophosphate carrier 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004535 PE=3 SV=1
1440	5723	A0A9P5KYC1 A0A9P5KYC1_PENCR	123.83	8	8	0	8.4914E2		2	2	2	0	N	38153	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001971 PE=4 SV=1

1110	1093	A0A9P5GL00 A0A9P5GL00_PENCR	123.59	8	8	0	1.1809E3		3	3	4	0	N	43762	Prephenate/arogenate dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004599 PE=4 SV=1
1284	2837	A0A9P5GME9 A0A9P5GME9_PENCR	123.04	18	18	0	9.4543E2		2	2	3	0	N	18203	Uncharacterized protein (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002837 PE=4 SV=1
1437	4732	A0A9P5GBX9 A0A9P5GBX9_PENCR	122.82	6	6	0	9.322E2		2	2	2	0	N	39296	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002730 PE=4 SV=1
1338	1030	A0A9P5GI55 A0A9P5GI55_PENCR	122.01	6	6	0	0		2	2	2	0	N	54591	Flavin dependent monooxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008265 PE=3 SV=1
1382	2620	A0A9P5GP34 A0A9P5GP34_PENCR	122.01	5	5	0	2.3217E3		2	2	2	0	N	51832	Eukaryotic translation initiation factor 3 subunit E OS= <i>Penicillium crustosum</i> OX=36656 GN=INT6 PE=3 SV=1
1003	937	A0A9P5KWC0 A0A9P5KWC0_PENCR	121.86	8	4	4	2.1683E3	1.3687E4	3	3	4	1	N	76186	DUF4110 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009889 PE=4 SV=1
1247	1035	A0A9P5GNU4 A0A9P5GNU4_PENCR	121.47	14	14	0	1.2166E2		3	3	3	0	Y	35831	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006701 PE=4 SV=1
1462	5768	A0A9P5L730 A0A9P5L730_PENCR	120.87	8	8	0	1.6012E3		2	2	2	0	Y	27851	Synaptobrevin homolog YKT6 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001468 PE=3 SV=1
1404	2085	A0A9P5GS46 A0A9P5GS46_PENCR	120.86	9	9	0	2.0127E3		2	2	2	0	N	34733	Dyp-type peroxidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004965 PE=3 SV=1
1263	1174	A0A9P5GZ42 A0A9P5GZ42_PENCR	120.51	14	14	0	1.3893E3		3	3	3	0	N	29561	NADH-ubiquinone oxidoreductase 24 kDa subunit, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004984 PE=3 SV=1
1365	2971	A0A9P5KYV5 A0A9P5KYV5_PENCR	118.93	7	7	0	5.3345E2		2	2	2	0	N	13751	60S ribosomal protein L31 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004667 PE=3 SV=1
1251	1525	A0A9P5GUS5 A0A9P5GUS5_PENCR	118.90	14	14	0	1.6072E2		3	3	3	0	Y	22056	GTP-binding protein rhoA OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007186 PE=3 SV=1
1315	951	A0A9P5GHP1 A0A9P5GHP1_PENCR	118.78	2	2	0	9.3808E2		2	2	2	0	N	137415	Carrier domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000698 PE=4 SV=1
1093	1020	A0A9P5KYU4 A0A9P5KYU4_PENCR	118.63	2	2	1	2.9465E3	1.454E2	2	2	2	2	Y	120523	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002734 PE=3 SV=1
1444	1451	A0A9P5GQR0 A0A9P5GQR0_PENCR	118.35	23	10	13	0	0	2	2	1	1	N	11920	ABM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008003 PE=4 SV=1

1049	1560	A0A9P5GEF9 A0A9P5GEF9_PENCR	118.23	4	4	2	1.969E2	0	2	2	3	2	N	73493	Transcription factor SPT8 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002436 PE=4 SV=1
1445	1500	A0A9P5GI97 A0A9P5GI97_PENCR	118.13	7	7	0	1.6934E2		2	2	2	0	Y	46016	L-type lectin-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008594 PE=4 SV=1
1016	952	A0A9P5L1U9 A0A9P5L1U9_PENCR	118.07	13	13	5	2.3048E3	0	3	3	4	1	N	27026	glutathione transferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003472 PE=3 SV=1
1362	2083	A0A9P5GH42 A0A9P5GH42_PENCR	117.97	11	11	0	1.4868E3		2	2	2	0	N	23061	EF-hand domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006836 PE=3 SV=1
1031	1010	A0A9P5KY23 A0A9P5KY23_PENCR	117.65	9	9	0	7.4365E2		3	3	5	0	N	41809	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002482 PE=4 SV=1
1675	2883	A0A9P5GPF8 A0A9P5GPF8_PENCR	117.62	8	8	0	9.4518E2		1	1	1	0	N	17641	Eukaryotic translation initiation factor 5A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004815 PE=3 SV=1
1160	1586	A0A9P5L0Q7 A0A9P5L0Q7_PENCR	117.57	21	21	21	3.2674E2	0	2	2	2	2	N	11372	Histone H4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009244 PE=3 SV=1
1160	1587	A0A9P5GG02 A0A9P5GG02_PENCR	117.57	21	21	21	3.2674E2	0	2	2	2	2	N	11356	Histone H4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001286 PE=3 SV=1
1409	2822	A0A9P5GDH3 A0A9P5GDH3_PENCR	117.17	4	4	0	5.3889E2		2	2	2	0	Y	84225	3-isopropylmalate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001319 PE=3 SV=1
1422	1244	A0A9P5GTD7 A0A9P5GTD7_PENCR	117.10	6	6	0	6.6485E2		2	2	2	0	N	44580	Peptidase C14 caspase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007052 PE=3 SV=1
1325	1031	A0A9P5GSK9 A0A9P5GSK9_PENCR	116.82	5	5	0	3.3182E2		2	2	2	0	N	53060	3-hydroxyisobutyryl-CoA hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000082 PE=4 SV=1
1405	2287	A0A9P5GG04 A0A9P5GG04_PENCR	116.74	13	0	13		1.2475E3	2	2	0	2	N	22866	Nudix hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007722 PE=3 SV=1
1274	5750	A0A9P5GF39 A0A9P5GF39_PENCR	116.67	8	8	3	1.4878E3	0	2	2	2	1	N	26681	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008433 PE=3 SV=1
1191	1121	A0A9P5L4Y9 A0A9P5L4Y9_PENCR	116.09	4	4	0	6.5941E2		2	2	3	0	N	56424	PCI domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005293 PE=3 SV=1
1720	3690	A0A9P5KZ63 A0A9P5KZ63_PENCR	115.74	3	3	0	6.0839E2		1	1	1	0	N	50113	Mannose-6-phosphate isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000797 PE=3 SV=1

1449	2816	A0A9P5GHS2 A0A9P5GHS2_PENCR	115.67	6	6	0	2.9503E2		2	2	2	0	N	44690	Metallo-beta-lactamase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000659 PE=4 SV=1
1106	824	A0A9P5KZX8 A0A9P5KZX8_PENCR	115.66	15	15	0	1.6691E2		3	3	4	0	Y	25221	CMP/dCMP-type deaminase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006332 PE=4 SV=1
1394	1521	A0A9P5GU78 A0A9P5GU78_PENCR	115.13	5	3	2	0	2.7174E2	2	2	1	1	N	53553	2-oxoadipate dioxygenase/decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003950 PE=3 SV=1
1048	1192	A0A9P5GR47 A0A9P5GR47_PENCR	114.85	8	8	0	8.0396E2		2	2	5	0	N	47261	Metacaspase-1B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008884 PE=3 SV=1
1696	1580	A0A9P5L101 A0A9P5L101_PENCR	114.85	11	11	0	0		1	1	1	0	N	17678	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008942 PE=4 SV=1
1244	1930	A0A9P5GEH7 A0A9P5GEH7_PENCR	114.75	6	6	0	5.7281E2		2	2	3	0	N	42548	NADP-dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010550 PE=3 SV=1
1297	5743	A0A9P5L363 A0A9P5L363_PENCR	114.70	6	6	0	5.6724E2		2	2	3	0	N	34763	S1 motif domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008832 PE=3 SV=1
1453	4442	A0A9P5GK97 A0A9P5GK97_PENCR	114.65	15	15	0	6.5593E1		2	2	2	0	Y	19180	Molybdopterin synthase catalytic subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=cnxH PE=3 SV=1
1475	5738	A0A9P5GP37 A0A9P5GP37_PENCR	114.24	15	15	0	1.0115E3		2	2	2	0	N	16405	Large ribosomal subunit protein uL23 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004415 PE=3 SV=1
1025	1193	A0A9P5GHW5 A0A9P5GHW5_PENCR	114.18	6	6	2	6.9301E3	2.3956E3	2	2	3	2	N	48190	Elongation factor Tu OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008151 PE=3 SV=1
1390	1255	A0A9P5GFS1 A0A9P5GFS1_PENCR	114.08	11	11	0	6.966E2		2	2	2	0	N	24078	glutathione-specific gamma-glutamylcyclotransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007910 PE=4 SV=1
1232	967	A0A9P5GHW9 A0A9P5GHW9_PENCR	114.06	24	24	0	2.3417E3		3	3	3	0	N	16652	Large ribosomal subunit protein uL15/eL18 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000574 PE=3 SV=1
1119	1150	A0A9P5GW59 A0A9P5GW59_PENCR	114.04	7	7	0	1.3413E3		3	3	4	0	Y	56518	non-reducing end alpha-L-arabinofuranosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001887 PE=3 SV=1
1063	1742	A0A9P5L6C0 A0A9P5L6C0_PENCR	113.80	11	11	11	4.5433E3	1.7582E3	2	2	2	3	Y	20224	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003325 PE=4 SV=1

1796	6917	A0A9P5GQG9 A0A9P5GQG9_PENCR	113.52	2	2	0	9.7845E2		1	1	1	0	N	77940	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006370 PE=4 SV=1
1296	5729	A0A9P5L2J0 A0A9P5L2J0_PENCR	113.04	9	9	0	2.6189E3		2	2	3	0	Y	40171	Metallo-beta-lactamase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001941 PE=3 SV=1
1426	1401	A0A9P5GG54 A0A9P5GG54_PENCR	112.50	11	11	0	6.9488E2		2	2	2	0	N	25251	WW-domain-binding protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001719 PE=4 SV=1
1447	2473	A0A9P5L1C6 A0A9P5L1C6_PENCR	112.36	18	18	0	3.6404E2		2	2	2	0	Y	18032	NADH-ubiquinone oxidoreductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009787 PE=3 SV=1
1331	1771	A0A9P5GFT5 A0A9P5GFT5_PENCR	111.83	4	4	0	5.2284E2		2	2	2	0	N	63930	Amidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010299 PE=3 SV=1
1316	1014	A0A9P5GE46 A0A9P5GE46_PENCR	111.83	6	6	0	2.9335E3		2	2	2	0	N	40421	Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003916 PE=3 SV=1
1254	2392	A0A9P5GBG3 A0A9P5GBG3_PENCR	111.74	5	5	0	1.2963E3		2	2	3	0	N	45639	Gfo/Idh/MocA-like oxidoreductase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000710 PE=4 SV=1
1596	1970	A0A9P5KV90 A0A9P5KV90_PENCR	111.64	5	5	0	1.1499E3		1	1	1	0	N	30653	Thioredoxin domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002747 PE=4 SV=1
1117	1004	A0A9P5L1S0 A0A9P5L1S0_PENCR	111.60	9	9	0	1.3686E3		3	3	4	0	N	36153	NADP-dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000005 PE=4 SV=1
1042	993	A0A9P5GUJ7 A0A9P5GUJ7_PENCR	111.48	9	9	0	3.0565E3		4	4	5	0	N	42490	Ubiquitin fusion degradation protein Ufd1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003661 PE=3 SV=1
1378	1302	A0A9P5GFJ2 A0A9P5GFJ2_PENCR	111.38	9	9	0	1.7813E2		2	2	2	0	N	29333	Alanyl-transfer RNA synthetases family profile domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001625 PE=3 SV=1
1017	1001	A0A9P5GQR1 A0A9P5GQR1_PENCR	111.33	9	9	0	5.6256E2		3	3	5	0	N	47707	PPM-type phosphatase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005958 PE=3 SV=1
1257	1060	A0A9P5GPY9 A0A9P5GPY9_PENCR	111.13	18	18	0	5.7418E2		3	3	3	0	N	26589	Translin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003436 PE=3 SV=1

1333	1104	A0A9P5KXJ4 A0A9P5KXJ4_PENCR	110.77	13	13	0	6.1913E2		2	2	2	0	Y	22087	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006920 PE=4 SV=1
1200	1304	A0A9P5KZA2 A0A9P5KZA2_PENCR	110.58	8	8	0	1.1101E3		2	2	3	0	Y	37537	thymidylate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007306 PE=3 SV=1
1837	7041	A0A9P5GI19 A0A9P5GI19_PENCR	110.18	9	9	0	6.3277E2		1	1	1	0	N	24629	D-lactate dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007922 PE=3 SV=1
1142	1070	A0A9P5KX81 A0A9P5KX81_PENCR	110.09	23	23	0	4.1566E3		4	4	4	0	N	18571	Plectin/eS10 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007701 PE=3 SV=1
1460	5758	A0A9P5L099 A0A9P5L099_PENCR	109.92	5	5	0	2.2102E2		2	2	2	0	N	47515	Beta-lactamase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009835 PE=3 SV=1
1127	940	A0A9P5L082 A0A9P5L082_PENCR	109.88	8	8	0	9.6565E2		3	3	4	0	Y	53545	Tyrosine decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009890 PE=3 SV=1
1794	6841	A0A9P5L3L1 A0A9P5L3L1_PENCR	109.37	6	6	0	6.8337E2		1	1	1	0	Y	25543	CFEM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006849 PE=3 SV=1
1816	6364	A0A9P5L184 A0A9P5L184_PENCR	109.32	20	20	0	9.734E2		1	1	1	0	N	10129	Ribosomal protein L37ae OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008627 PE=3 SV=1
1164	5742	A0A9P5GCE1 A0A9P5GCE1_PENCR	109.20	6	6	3	2.0277E3	0	2	2	2	2	N	41209	Quercetin 2,3-dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002157 PE=4 SV=1
1299	8219	A0A9P5GV79 A0A9P5GV79_PENCR	109.16	2	2	2	1.1719E3	8.9392E2	1	1	2	1	N	97275	chitinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003103 PE=3 SV=1
1137	1901	A0A9P5GM22 A0A9P5GM22_PENCR	108.47	8	8	0	2.4832E3		2	2	4	0	N	28033	ATP-dependent Clp protease proteolytic subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003994 PE=3 SV=1
1373	1148	A0A9P5GEM8 A0A9P5GEM8_PENCR	108.14	2	2	0	2.0397E2		2	2	2	0	N	105712	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000593 PE=3 SV=1
1424	1317	A0A9P5GDP9 A0A9P5GDP9_PENCR	108.12	6	6	0	4.7692E2		2	2	2	0	N	38452	GST N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000851 PE=4 SV=1
1357	1438	A0A9P5KW95 A0A9P5KW95_PENCR	107.87	6	0	6		4.0811E2	2	2	0	2	Y	40572	PLC-like phosphodiesterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002971 PE=4 SV=1
1428	1522	A0A9P5L7J3 A0A9P5L7J3_PENCR	107.65	6	6	0	1.0391E3		2	2	2	0	N	46498	Epoxide hydrolase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003666 PE=3 SV=1

1376	1176	A0A9P5GUP7 A0A9P5GUP7_PENCR	107.47	8	8	0	7.2229E2		2	2	2	0	Y	43260	Chorismate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007177 PE=3 SV=1
1419	7794	A0A9P5GNN4 A0A9P5GNN4_PENCR	107.00	3	3	3	8.2922E2	4.1113E2	1	1	1	1	N	45828	Alpha-tubulin suppressor protein Aats1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004617 PE=4 SV=1
1185	1075	A0A9P5KYT6 A0A9P5KYT6_PENCR	106.25	5	5	5	1.2404E3	4.802E2	1	1	2	1	N	34200	Scaffold protein Nfu/NifU N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004808 PE=3 SV=1
1395	1534	A0A9P5GM82 A0A9P5GM82_PENCR	106.20	7	7	0	1.0596E3		2	2	2	0	N	35434	Prolyl 4-hydroxylase alpha subunit domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007347 PE=4 SV=1
1341	1114	A0A9P5KWLO A0A9P5KWLO_PENCR	105.73	3	3	0	1.2158E3		2	2	2	0	N	80328	Lariat debranching enzyme C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009184 PE=3 SV=1
1622	2474	A0A9P5GCN1 A0A9P5GCN1_PENCR	105.48	5	5	0	3.7875E2		1	1	1	0	Y	29295	Translin-associated factor TraX OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002366 PE=3 SV=1
1334	1109	A0A9P5L7N4 A0A9P5L7N4_PENCR	105.20	3	3	0	3.5545E2		2	2	2	0	N	119210	valine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010206 PE=3 SV=1
1421	1215	A0A9P5GU30 A0A9P5GU30_PENCR	104.92	6	0	6		3.2086E2	2	2	0	2	N	54367	Purple acid phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004135 PE=3 SV=1
1430	1571	A0A9P5GJE6 A0A9P5GJE6_PENCR	104.86	8	8	0	8.2983E2		2	2	2	0	N	27490	Eukaryotic translation initiation factor 3 subunit K OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010044 PE=3 SV=1
1760	3513	A0A9P5GUA1 A0A9P5GUA1_PENCR	104.67	10	0	10		0	1	1	0	1	Y	19287	CMP/dCMP-type deaminase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007987 PE=4 SV=1
1844	7446	A0A9P5GV15 A0A9P5GV15_PENCR	104.56	6	6	0	3.4285E2		1	1	1	0	N	29543	Spherulation-specific family 4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006157 PE=4 SV=1
1250	1376	A0A9P5GRY8 A0A9P5GRY8_PENCR	104.56	17	17	0	1.0861E3		3	3	3	0	Y	18040	E3 ubiquitin ligase complex SCF subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002567 PE=3 SV=1
1879	8232	A0A9P5GFZ3 A0A9P5GFZ3_PENCR	104.30	5	5	0	1.0094E3		1	1	1	0	Y	23654	Acetylxyln esterase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001271 PE=4 SV=1
1182	1184	A0A9P5L5M5 A0A9P5L5M5_PENCR	104.13	1	1	0	0		2	2	3	0	N	249348	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004609 PE=4 SV=1
1318	1316	A0A9P5L2U0 A0A9P5L2U0_PENCR	103.95	2	2	0	4.5546E2		2	2	2	0	N	142398	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007875 PE=4 SV=1

1190	1094	A0A9P5GCG4 A0A9P5GCG4_PENCR	103.58	2	2	0	5.488E2		2	2	3	0	N	83505	Trehalase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010357 PE=3 SV=1
1270	3142	A0A9P5GT15 A0A9P5GT15_PENCR	103.56	2	2	0	9.0841E2		1	1	3	0	N	83380	ATP-grasp domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000298 PE=4 SV=1
1375	1160	A0A9P5GWJ1 A0A9P5GWJ1_PENCR	103.43	7	7	0	7.0478E2		2	2	2	0	N	70143	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009602 PE=4 SV=1
1458	5732	A0A9P5GQM7 A0A9P5GQM7_PENCR	103.40	10	10	0	6.7421E2		2	2	2	0	N	26330	Ran-interacting Mog1 protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007958 PE=3 SV=1
1483	8228	A0A9P5KX25 A0A9P5KX25_PENCR	103.14	9	9	0	1.4358E3		1	1	2	0	Y	14808	AA1-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008146 PE=4 SV=1
1450	2842	A0A9P5GCL3 A0A9P5GCL3_PENCR	103.05	6	0	6		1.2355E2	2	2	0	2	Y	41053	Mannan endo-1,6-alpha-mannosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010133 PE=4 SV=1
1265	1308	A0A9P5GKN9 A0A9P5GKN9_PENCR	102.54	10	6	5	0	8.8856E2	3	3	2	1	Y	34362	Class I glutamine amidotransferase-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004305 PE=4 SV=1
1082	1102	A0A9P5GLL7 A0A9P5GLL7_PENCR	102.53	4	4	0	6.643E2		2	2	4	0	N	60138	BING4 C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006375 PE=4 SV=1
1228	1269	A0A9P5KZP3 A0A9P5KZP3_PENCR	102.28	13	5	7	9.1858E1	6.4077E3	2	2	2	1	N	41373	Pru domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006738 PE=4 SV=1
1056	1380	A0A9P5L400 A0A9P5L400_PENCR	102.03	27	27	0	7.7195E2		3	3	5	0	Y	8939	40S ribosomal protein S27 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005290 PE=3 SV=1
1593	1757	A0A9P5GQW0 A0A9P5GQW0_PENCR	101.76	3	3	0	3.9794E2		1	1	1	0	Y	48420	Arginine biosynthesis bifunctional protein ArgJ, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004922 PE=3 SV=1
1287	4367	A0A9P5GW40 A0A9P5GW40_PENCR	101.72	9	5	5	0	0	2	2	2	1	Y	27911	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000096 PE=4 SV=1
1787	6507	A0A9P5GJY5 A0A9P5GJY5_PENCR	101.44	7	7	0	1.0075E3		1	1	1	0	N	28101	Peptidyl-tRNA hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007020 PE=4 SV=1
1474	5736	A0A9P5GHN3 A0A9P5GHN3_PENCR	101.18	8	8	0	1.3618E3		2	2	2	0	N	37591	Nitronate monooxygenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006528 PE=4 SV=1
1285	3024	A0A9P5GMW5 A0A9P5GMW5_PENCR	100.94	8	8	0	0		2	2	3	0	N	35792	Nitronate monooxygenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003057 PE=4 SV=1

1136	1760	A0A9P5GMS0 A0A9P5GMS0_PENCR	100.44	9	9	0	2.6546E2		2	2	4	0	Y	27067	40S ribosomal protein S6 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002208 PE=3 SV=1
1201	1866	A0A9P5GPS2 A0A9P5GPS2_PENCR	100.42	16	16	0	1.2807E3		2	2	3	0	N	15901	40S ribosomal protein S14 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004598 PE=3 SV=1
1464	5945	A0A9P5GBW8 A0A9P5GBW8_PENCR	100.19	10	10	0	3.1249E3		1	1	2	0	N	17485	Rieske domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002745 PE=4 SV=1
1286	3670	A0A9P5GU66 A0A9P5GU66_PENCR	100.16	7	7	0	4.3216E2		2	2	3	0	N	27180	Flavoprotein domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008931 PE=3 SV=1
1459	5741	A0A9P5GNC1 A0A9P5GNC1_PENCR	100.08	6	0	6		0	2	2	0	2	Y	55275	RING-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006534 PE=4 SV=1
1680	3640	A0A9P5GNQ3 A0A9P5GNQ3_PENCR	100.05	4	4	0	3.6581E2		1	1	1	0	N	38234	Calcineurin-like phosphoesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004762 PE=4 SV=1
1264	1260	A0A9P5GH81 A0A9P5GH81_PENCR	99.56	9	9	0	9.3847E2		3	3	3	0	N	39031	Glutamine synthetase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010499 PE=3 SV=1
1205	922	A0A9P5L1J1 A0A9P5L1J1_PENCR	99.33	6	6	0	2.353E3		3	3	3	0	N	63568	Dihydroxy-acid dehydratase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009494 PE=3 SV=1
1101	1072	A0A9P5GLM9 A0A9P5GLM9_PENCR	99.27	3	3	0	6.2183E2		2	2	4	0	N	73668	ATP-dependent RNA helicase DED1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006565 PE=3 SV=1
1491	1000	A0A9P5L4S6 A0A9P5L4S6_PENCR	99.27	1	1	0	0		1	1	1	0	N	138596	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004261 PE=4 SV=1
1327	1249	A0A9P5L1A8 A0A9P5L1A8_PENCR	99.23	3	3	0	0		2	2	2	0	N	58587	Arf-GAP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006089 PE=4 SV=1
1456	5629	A0A9P5GL54 A0A9P5GL54_PENCR	98.95	4	4	0	0		2	2	2	0	N	85671	Glycoside hydrolase family 31 N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004101 PE=3 SV=1
1455	5420	A0A9P5GTD8 A0A9P5GTD8_PENCR	98.41	17	0	17		0	2	2	0	2	Y	15470	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000413 PE=4 SV=1
1461	5760	A0A9P5L091 A0A9P5L091_PENCR	98.01	12	12	0	3.2328E3		2	2	2	0	N	22611	40S ribosomal protein S7 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000722 PE=3 SV=1
1105	1828	A0A9P5H006 A0A9P5H006_PENCR	97.74	4	4	2	9.1634E2	2.0316E2	2	2	2	2	N	55567	Alpha-1,2-mannosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000098 PE=3 SV=1

1064	5764	A0A9P5GHD8 A0A9P5GHD8_PENCR	97.40	11	11	0	1.2699E4		1	1	5	0	Y	17248	Ubiquitin-conjugating enzyme E2 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006838 PE=3 SV=1
1399	1578	A0A9P5KZK1 A0A9P5KZK1_PENCR	96.89	6	6	0	3.8924E3		2	2	2	0	N	37315	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001635 PE=3 SV=1
1111	1115	A0A9P5GJD6 A0A9P5GJD6_PENCR	96.79	6	6	0	1.3358E3		2	2	4	0	N	37958	Beta-lactamase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006850 PE=3 SV=1
1434	3019	A0A9P5KXZ0 A0A9P5KXZ0_PENCR	96.67	8	3	5	7.4913E2	0	2	2	1	1	Y	29899	Mitochondrial intermembrane space import and assembly protein 40 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002712 PE=4 SV=1
1473	5731	A0A9P5GFJ0 A0A9P5GFJ0_PENCR	96.45	5	2	3	1.3955E2	0	2	2	1	1	N	58811	Prenylcysteine lyase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010046 PE=3 SV=1
1636	1648	A0A9P5GK82 A0A9P5GK82_PENCR	96.33	12	12	0	3.1549E3		1	1	1	0	N	12277	Ribosome maturation protein SDO1/SBDS N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004688 PE=4 SV=1
1391	1279	A0A9P5L477 A0A9P5L477_PENCR	96.29	14	14	0	1.0116E3		2	2	2	0	N	15786	40S ribosomal protein S23 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005983 PE=3 SV=1
1709	2704	A0A9P5L4T3 A0A9P5L4T3_PENCR	95.99	2	2	0	0		1	1	1	0	N	71447	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005492 PE=4 SV=1
1669	2444	A0A9P5L8H5 A0A9P5L8H5_PENCR	95.78	4	4	0	7.8155E2		1	1	1	0	N	35469	NADH-cytochrome b5 reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005115 PE=3 SV=1
1276	1186	A0A9P5L066 A0A9P5L066_PENCR	95.76	9	9	0	9.0487E2		3	3	3	0	N	41406	Periplasmic binding protein-like II OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009938 PE=4 SV=1
1377	1272	A0A9P5GU02 A0A9P5GU02_PENCR	95.65	7	7	0	4.5128E2		2	2	2	0	N	49871	RuvB-like helicase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002199 PE=3 SV=1
1255	2406	A0A9P5GN67 A0A9P5GN67_PENCR	95.47	11	11	0	3.5885E2		2	2	3	0	N	29079	Peptidase C15, pyroglutamyl peptidase I-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004161 PE=3 SV=1
1223	1055	A0A9P5GEA8 A0A9P5GEA8_PENCR	95.18	12	12	0	3.1365E2		3	3	3	0	N	40654	S-adenosyl-L-methionine-dependent methyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008964 PE=4 SV=1
1558	1320	H6D9L9 H6D9L9_PENCR	95.17	4	4	0	0		1	1	1	0	N	48819	Inosine-5'-monophosphate dehydrogenase (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=imdB PE=3 SV=1

1558	1321	A0A9P5GE66 A0A9P5GE66_PENCR	95.17	4	4	0	0		1	1	1	0	N	55928	Inosine-5'-monophosphate dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002703 PE=3 SV=1
1253	1753	A0A9P5GIN9 A0A9P5GIN9_PENCR	95.03	12	12	0	2.4389E3		2	2	3	0	N	16933	UBC core domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010569 PE=3 SV=1
1389	1222	A0A9P5GUJ0 A0A9P5GUJ0_PENCR	94.89	5	5	0	3.221E2		2	2	2	0	N	63036	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007087 PE=3 SV=1
1469	7809	A0A9P5GUE1 A0A9P5GUE1_PENCR	94.75	4	4	0	3.7932E2		1	1	2	0	N	41196	Nucleotidyl transferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006119 PE=3 SV=1
1626	2929	A0A9P5L013 A0A9P5L013_PENCR	94.63	2	2	0	1.1334E2		1	1	1	0	N	113674	Importin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006266 PE=4 SV=1
1438	4915	A0A9P5GPT3 A0A9P5GPT3_PENCR	94.42	5	5	0	3.3763E2		1	1	2	0	N	28523	Serine hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003817 PE=4 SV=1
1575	1285	A0A9P5GL31 A0A9P5GL31_PENCR	94.37	2	2	0	5.7974E2		1	1	1	0	N	59149	Rieske domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006896 PE=3 SV=1
1372	1105	A0A9P5GNX2 A0A9P5GNX2_PENCR	94.02	9	9	0	4.332E2		2	2	2	0	N	28373	deoxyribose-phosphate aldolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005296 PE=3 SV=1
1347	1507	A0A9P5GQK2 A0A9P5GQK2_PENCR	93.96	7	7	7	8.0297E2	2.4835E2	1	1	1	1	N	20919	Exonuclease domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003469 PE=3 SV=1
1435	3127	A0A9P5GI48 A0A9P5GI48_PENCR	93.76	9	9	0	7.6743E2		2	2	2	0	Y	34913	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008625 PE=3 SV=1
1780	6339	A0A9P5GHK6 A0A9P5GHK6_PENCR	93.66	6	6	0	0		1	1	1	0	N	18600	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010716 PE=4 SV=1
1288	5734	A0A9P5GM42 A0A9P5GM42_PENCR	93.61	12	12	0	0		2	2	3	0	N	25916	E2 ubiquitin-conjugating enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003025 PE=3 SV=1
1480	8218	A0A9P5L6P8 A0A9P5L6P8_PENCR	93.55	6	6	0	1.6028E2		1	1	2	0	N	30209	Protein N-terminal and lysine N-methyltransferase EFM7 OS= <i>Penicillium crustosum</i> OX=36656 GN=EFM7 PE=3 SV=1
1300	1165	A0A9P5GU13 A0A9P5GU13_PENCR	93.47	3	3	0	0		1	1	2	0	N	55479	cysteine desulfurase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008892 PE=3 SV=1
1795	6864	A0A9P5GPH8 A0A9P5GPH8_PENCR	92.93	3	3	0	0		1	1	1	0	Y	49643	Protein-serine/threonine kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000975 PE=3 SV=1

994	8216	A0A9P5GSF1 A0A9P5GSF1_PENCR	92.84	4	4	4	1.5675E3	3.9081E2	1	1	4	2	N	40948	Intradiol ring-cleavage dioxygenases domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000919 PE=4 SV=1
1349	2737	A0A9P5L3I4 A0A9P5L3I4_PENCR	92.71	5	5	0	1.1535E3		2	2	2	0	N	47358	PCI domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007151 PE=3 SV=1
1876	8225	A0A9P5L751 A0A9P5L751_PENCR	92.35	5	5	0	5.455E2		1	1	1	0	N	30381	8-amino-7-oxononanoate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000894 PE=4 SV=1
1431	1620	A0A9P5L6J9 A0A9P5L6J9_PENCR	92.30	4	4	0	9.5962E2		2	2	2	0	N	48921	Eukaryotic translation initiation factor 3 subunit M OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003324 PE=3 SV=1
1243	1433	A0A9P5GC17 A0A9P5GC17_PENCR	92.23	9	9	4	5.9739E2	0	2	2	2	1	N	30664	TIP41-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003139 PE=3 SV=1
1881	8236	A0A9P5KZP8 A0A9P5KZP8_PENCR	92.17	3	3	0	3.4463E2		1	1	1	0	N	37704	NAD-dependent epimerase/dehydratase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006593 PE=3 SV=1
1267	1558	A0A9P5GRK4 A0A9P5GRK4_PENCR	92.16	18	18	7	1.9053E3	0	2	2	2	1	N	13755	Phosphoglycerate mutase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005642 PE=4 SV=1
1417	5876	A0A9P5GI37 A0A9P5GI37_PENCR	91.91	9	9	9	1.6754E3	8.4753E1	1	1	1	1	N	17895	60S ribosomal protein L12 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009033 PE=3 SV=1
1242	1283	A0A9P5GH28 A0A9P5GH28_PENCR	91.52	24	24	0	3.4758E2		2	2	3	0	N	15043	Nascent polypeptide-associated complex subunit beta (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010527 PE=3 SV=1
1343	1189	A0A9P5GQN3 A0A9P5GQN3_PENCR	91.40	5	5	0	5.4477E2		2	2	2	0	N	65945	proline--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006289 PE=3 SV=1
1345	1241	A0A9P5GHI4 A0A9P5GHI4_PENCR	90.85	9	0	9		4.9578E2	2	2	0	2	N	35740	GPI anchored protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008348 PE=4 SV=1
1705	2662	A0A9P5GHG6 A0A9P5GHG6_PENCR	90.17	4	4	0	1.4884E2		1	1	1	0	Y	37894	FAD dependent oxidoreductase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009068 PE=3 SV=1
1379	1519	A0A9P5L2G2 A0A9P5L2G2_PENCR	89.71	5	5	0	0		2	1	2	0	N	45227	NADH:flavin oxidoreductase/NADH oxidase N-terminal domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001849 PE=4 SV=1
1476	5739	A0A9P5L787 A0A9P5L787_PENCR	89.46	17	17	0	1.8998E3		2	2	2	0	N	17281	Cytochrome b5 heme-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000289 PE=3 SV=1

1432	1628	A0A9P5GEH6 A0A9P5GEH6_PENCR	89.23	5	5	0	1.4279E3		2	2	2	0	Y	62117	asparagine synthase (glutamine-hydrolyzing) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003170 PE=4 SV=1
1429	1557	A0A9P5KVY8 A0A9P5KVY8_PENCR	89.17	3	3	0	0		2	2	2	0	Y	60996	Cystathionine gamma-synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000580 PE=3 SV=1
1227	1195	A0A9P5GPJ5 A0A9P5GPJ5_PENCR	89.06	6	6	4	1.0841E3	2.2521E2	2	1	2	1	N	28430	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004674 PE=3 SV=1
1358	1506	A0A9P5L7C4 A0A9P5L7C4_PENCR	88.39	16	16	0	1.4089E3		2	2	2	0	N	16767	KOW domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000878 PE=3 SV=1
1370	1068	A0A9P5KWM2 A0A9P5KWM2_PENCR	88.12	17	17	0	1.1046E3		2	2	2	0	N	13077	Small ribosomal subunit protein uS10 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001655 PE=3 SV=1
1410	3061	A0A9P5GCH4 A0A9P5GCH4_PENCR	88.11	8	8	0	1.3507E2		2	2	2	0	N	30518	t-SNARE coiled-coil homology domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010277 PE=3 SV=1
1298	5745	A0A9P5GV02 A0A9P5GV02_PENCR	87.76	11	11	0	1.2187E3		2	2	3	0	N	23829	Cysteine dioxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003315 PE=3 SV=1
1804	5772	A0A9P5GF44 A0A9P5GF44_PENCR	87.42	7	0	7		0	1	1	0	1	N	17882	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008349 PE=4 SV=1
1608	3907	A0A9P5GIS9 A0A9P5GIS9_PENCR	87.41	2	2	0	2.433E2		1	1	1	0	N	106751	N-acetyltransferase B complex non catalytic subunit-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008356 PE=3 SV=1
1226	1164	A0A9P5L5A2 A0A9P5L5A2_PENCR	87.31	1	1	0	4.1293E2		2	2	3	0	N	141648	RanBD1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004671 PE=4 SV=1
1782	6389	A0A9P5GGA1 A0A9P5GGA1_PENCR	86.91	4	4	0	3.8359E2		1	1	1	0	Y	40985	GH16 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001647 PE=4 SV=1
1147	1686	A0A9P5GCW7 A0A9P5GCW7_PENCR	86.75	14	14	6	1.0719E3	3.902E2	2	2	2	2	N	15084	Histone H2B OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003919 PE=3 SV=1
1757	2845	A0A9P5L3U7 A0A9P5L3U7_PENCR	86.69	3	3	0	8.7198E2		1	1	1	0	N	31752	Eukaryotic translation initiation factor 3 subunit G OS= <i>Penicillium crustosum</i> OX=36656 GN=TIF35 PE=3 SV=1
1874	8221	A0A9P5L7Q2 A0A9P5L7Q2_PENCR	86.44	11	11	0	5.2252E2		1	1	1	0	N	12676	Replication factor A protein 3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000060 PE=3 SV=1

1256	5748	A0A9P5L900 A0A9P5L900_PENCR	86.42	7	7	0	1.5563E3		2	2	3	0	N	40862	Agmatinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000259 PE=3 SV=1
1442	6060	A0A9P5GI68 A0A9P5GI68_PENCR	86.35	6	6	0	3.0371E2		1	1	2	0	N	25145	Cell-cycle control medial ring component OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006472 PE=4 SV=1
1374	1157	A0A9P5KYJ3 A0A9P5KYJ3_PENCR	86.03	11	11	0	1.9338E2		2	2	2	0	N	18283	60S ribosomal protein L21 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005259 PE=3 SV=1
1477	5746	A0A9P5KWN1 A0A9P5KWN1_PENCR	85.60	18	18	0	6.1664E2		2	2	2	0	N	18225	DUF866 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009084 PE=3 SV=1
1275	5753	A0A9P5GHX4 A0A9P5GHX4_PENCR	85.14	21	21	0	1.1597E3		2	2	3	0	N	16468	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008969 PE=4 SV=1
1196	1637	A0A9P5GLH5 A0A9P5GLH5_PENCR	85.13	5	5	0	1.9282E2		3	1	3	0	Y	43340	Choline monooxygenase, chloroplastic OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004037 PE=3 SV=1
1650	2720	A0A9P5GEA7 A0A9P5GEA7_PENCR	85.12	9	9	0	2.6666E2		1	1	1	0	N	16330	Transcriptional coactivator p15 (PC4) C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003402 PE=3 SV=1
1311	1183	A0A9P5GVN1 A0A9P5GVN1_PENCR	84.85	1	1	0	0		1	1	2	0	N	136820	Actin cytoskeleton-regulatory complex protein END3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003642 PE=4 SV=1
1824	6569	A0A9P5GQR7 A0A9P5GQR7_PENCR	84.74	5	5	0	3.4615E2		1	1	1	0	N	25772	Isochorismatase-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005527 PE=3 SV=1
1667	2384	A0A9P5GWZ8 A0A9P5GWZ8_PENCR	84.55	2	2	0	0		1	1	1	0	N	61063	Pyruvate decarboxylase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006222 PE=3 SV=1
1746	6488	A0A9P5GLP2 A0A9P5GLP2_PENCR	84.44	4	4	0	8.6936E2		1	1	1	0	N	28599	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008620 PE=3 SV=1
1401	1820	A0A9P5GMI1 A0A9P5GMI1_PENCR	84.42	19	19	0	2.6116E2		2	2	2	0	N	14779	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005586 PE=3 SV=1
1090	1384	A0A9P5L160 A0A9P5L160_PENCR	83.63	2	2	0	8.6255E2		2	2	4	0	Y	109971	Peptide hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007089 PE=3 SV=1
1859	7888	A0A9P5GQ26 A0A9P5GQ26_PENCR	83.60	12	12	0	2.0307E2		1	1	1	0	N	16718	Stress response RCI peptide OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005907 PE=3 SV=1

1416	4317	A0A9P5GFM4 A0A9P5GFM4_PENCR	83.42	19	19	0	2.7351E2		2	2	2	0	Y	23974	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002122 PE=4 SV=1
1400	1756	A0A9P5L173 A0A9P5L173_PENCR	83.29	6	6	0	1.2786E3		2	2	2	0	N	48337	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009957 PE=4 SV=1
1645	2424	A0A9P5GIK1 A0A9P5GIK1_PENCR	83.25	5	5	0	0		1	1	1	0	N	24402	Ubiquitin carboxyl-terminal hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005792 PE=3 SV=1
1380	2211	A0A9P5L2X5 A0A9P5L2X5_PENCR	83.17	4	4	0	7.459E2		2	2	2	0	N	52248	Ribosome biogenesis protein YTM1 OS= <i>Penicillium crustosum</i> OX=36656 GN=YTM1 PE=3 SV=1
1271	4368	A0A9P5GCA5 A0A9P5GCA5_PENCR	83.10	4	4	0	1.3834E2		1	1	3	0	N	43424	Methionine aminopeptidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002738 PE=3 SV=1
1328	1261	A0A9P5L3B2 A0A9P5L3B2_PENCR	83.04	2	2	0	3.2467E2		2	2	2	0	N	95519	Eukaryotic translation initiation factor 3 subunit C OS= <i>Penicillium crustosum</i> OX=36656 GN=NIP1 PE=3 SV=1
1209	1116	A0A9P5L388 A0A9P5L388_PENCR	83.01	4	4	0	2.1176E2		2	2	3	0	N	55069	Aldehyde dehydrogenase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007468 PE=3 SV=1
1648	2623	A0A9P5GN40 A0A9P5GN40_PENCR	82.86	3	3	0	0		1	1	1	0	N	39141	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004131 PE=4 SV=1
1478	5754	A0A9P5GSG3 A0A9P5GSG3_PENCR	82.78	4	4	0	7.7291E1		2	2	2	0	N	69271	Peptidase S33 tripeptidyl aminopeptidase-like C-terminal domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001839 PE=3 SV=1
1337	2120	A0A9P5L5U7 A0A9P5L5U7_PENCR	82.51	3	3	0	0		1	1	2	0	N	49933	ethanolamine-phosphate cytidyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004377 PE=3 SV=1
1482	8226	A0A9P5GRH8 A0A9P5GRH8_PENCR	82.33	6	6	6	2.7389E3	5.6662E2	1	1	1	1	Y	20449	CFEM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001368 PE=3 SV=1
1857	7759	A0A9P5GR70 A0A9P5GR70_PENCR	82.09	6	6	0	6.0034E2		1	1	1	0	N	24019	Ras-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002785 PE=3 SV=1
1402	1845	A0A9P5GCN8 A0A9P5GCN8_PENCR	81.85	7	7	0	1.5166E2		2	2	2	0	N	33185	WD40 repeat-like protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002036 PE=4 SV=1
1479	5761	A0A9P5GPN7 A0A9P5GPN7_PENCR	81.75	7	7	0	8.749E2		2	2	2	0	N	43733	penicillopepsin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006244 PE=3 SV=1

1725	4280	A0A9P5KX01 A0A9P5KX01_PENCR	81.56	4	4	0	4.5289E2		1	1	1	0	Y	49524	Histone acetyltransferase type B subunit 2 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008300 PE=3 SV=1
1873	8220	A0A9P5GDB9 A0A9P5GDB9_PENCR	81.46	14	14	0	3.9219E2		1	1	1	0	N	10523	Nudix hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002966 PE=3 SV=1
1587	1256	A0A9P5L7C5 A0A9P5L7C5_PENCR	81.02	4	4	0	1.2531E3		1	1	1	0	N	34667	Large ribosomal subunit protein uL18 C-terminal eukaryotes domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000395 PE=3 SV=1
1761	3812	A0A9P5GIZ0 A0A9P5GIZ0_PENCR	80.97	4	4	0	4.0458E2		1	1	1	0	Y	42429	Serine/threonine-protein phosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010413 PE=3 SV=1
1095	1190	A0A9P5GM45 A0A9P5GM45_PENCR	80.65	5	3	2	2.1938E3	0	2	2	2	2	N	45860	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005927 PE=3 SV=1
1612	1527	A0A9P5GI05 A0A9P5GI05_PENCR	80.64	1	1	0	0		1	1	1	0	N	107969	Lethal giant larvae (Lgl)-like C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009996 PE=3 SV=1
1862	8223	A0A9P5L086 A0A9P5L086_PENCR	80.63	10	10	0	0		1	1	1	0	N	13542	Small nuclear ribonucleoprotein Sm D1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009905 PE=3 SV=1
1590	1545	A0A9P5GB77 A0A9P5GB77_PENCR	80.58	3	3	0	0		1	1	1	0	N	59018	Peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001009 PE=4 SV=1
1291	6167	A0A9P5GDR6 A0A9P5GDR6_PENCR	80.42	3	3	0	0		1	1	3	0	N	39074	Adenosine deaminase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000792 PE=3 SV=1
1366	4133	A0A9P5GK58 A0A9P5GK58_PENCR	79.82	15	15	0	0		1	1	2	0	N	9914	40S ribosomal protein S21 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007631 PE=3 SV=1
1634	1300	A0A9P5GHG2 A0A9P5GHG2_PENCR	79.76	2	2	0	0		1	1	1	0	Y	68449	CID domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000831 PE=4 SV=1
1775	5885	A0A9P5GJ43 A0A9P5GJ43_PENCR	79.25	5	5	0	5.3942E2		1	1	1	0	N	25932	Auxiliary Activity family 9 catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005699 PE=4 SV=1
1789	6647	A0A9P5L088 A0A9P5L088_PENCR	79.00	7	7	0	0		1	1	1	0	N	27334	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000723 PE=4 SV=1
1710	2802	A0A9P5GTG3 A0A9P5GTG3_PENCR	78.99	5	5	0	7.365E2		1	1	1	0	N	34895	alpha-galactosidase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003786 PE=4 SV=1

1207	1058	A0A9P5GKD0 A0A9P5GKD0_PENCR	78.99	4	4	0	5.805E2		2	2	3	0	N	37467	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006958 PE=4 SV=1
1769	5035	A0A9P5G9S6 A0A9P5G9S6_PENCR	78.97	4	4	0	0		1	1	1	0	N	28416	Protein AF-9 homolog OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002977 PE=4 SV=1
1853	7657	A0A9P5L3T1 A0A9P5L3T1_PENCR	78.38	5	5	0	0		1	1	1	0	N	29916	Dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006625 PE=4 SV=1
1392	1423	A0A9P5L7V8 A0A9P5L7V8_PENCR	78.36	5	5	5	6.5372E2	4.6993E2	1	1	1	1	N	25937	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009655 PE=4 SV=1
1383	2853	A0A9P5GMG7 A0A9P5GMG7_PENCR	78.15	7	7	0	3.991E3		2	2	2	0	N	25843	Cytochrome b-c1 complex subunit Rieske, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005910 PE=3 SV=1
1770	5351	A0A9P5L7P4 A0A9P5L7P4_PENCR	78.11	7	7	0	0		1	1	1	0	N	22849	Lactam utilization protein lamB OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010237 PE=4 SV=1
1481	8222	A0A9P5GBI2 A0A9P5GBI2_PENCR	77.47	1	1	0	0		1	1	2	0	Y	167729	CFEM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000673 PE=3 SV=1
1850	7563	A0A9P5GQN9 A0A9P5GQN9_PENCR	77.40	4	4	0	4.5524E2		1	1	1	0	N	29051	glutathione transferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003529 PE=3 SV=1
1446	1908	A0A9P5GIY7 A0A9P5GIY7_PENCR	77.31	5	2	3	0	1.1954E2	2	2	1	1	N	38049	M7GpppX diphosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005794 PE=3 SV=1
1805	5831	A0A9P5KXG4 A0A9P5KXG4_PENCR	76.89	3	3	0	2.7627E2		1	1	1	0	N	37696	DUF410 domain protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007235 PE=3 SV=1
1323	1964	A0A9P5GRB7 A0A9P5GRB7_PENCR	76.81	1	1	0	0		1	1	2	0	N	114843	Protein HIR OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001858 PE=3 SV=1
1704	2631	A0A9P5GKY3 A0A9P5GKY3_PENCR	76.74	2	2	0	4.2738E2		1	1	1	0	N	54580	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008531 PE=4 SV=1
1727	4339	A0A9P5GIW2 A0A9P5GIW2_PENCR	76.56	2	2	0	0		1	1	1	0	Y	45974	NAD(+) diphosphatase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008267 PE=3 SV=1
1740	5802	A0A9P5L6Y1 A0A9P5L6Y1_PENCR	76.49	10	10	0	0		1	1	1	0	Y	11559	Stress-response A/B barrel domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002190 PE=4 SV=1
1408	2778	A0A9P5GTP2 A0A9P5GTP2_PENCR	76.49	5	5	0	0		2	2	2	0	N	63958	ENTH domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007979 PE=3 SV=1

1875	8224	A0A9P5KVX3 A0A9P5KVX3_PENCR	76.03	25	25	0	4.2785E2		1	1	1	0	Y	10699	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000650 PE=4 SV=1
1594	1836	A0A9P5GM18 A0A9P5GM18_PENCR	76.01	1	1	0	4.4203E2		1	1	1	0	N	87712	Striatin N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006471 PE=4 SV=1
1732	4796	A0A9P5L7Y3 A0A9P5L7Y3_PENCR	75.99	4	4	0	3.5337E2		1	1	1	0	N	22275	Glycolipid transfer protein domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008851 PE=4 SV=1
1750	6890	A0A4Y5FHE1 A0A4Y5FHE1_PENCR	75.80	3	3	0	5.4019E2		1	1	1	0	N	75764	Putative conidial pigment biosynthesis oxidase Abr1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008307 PE=3 SV=1
1882	8237	A0A9P5KXA6 A0A9P5KXA6_PENCR	75.59	9	9	0	0		1	1	1	0	N	12681	C-type lysozyme inhibitor domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010562 PE=4 SV=1
1678	3461	A0A9P5LOT9 A0A9P5LOT9_PENCR	75.56	18	18	0	1.3157E2		1	1	1	0	Y	11392	Ribosomal protein eL8/eL30/eS12/Gadd45 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009607 PE=3 SV=1
1756	2264	A0A9P5GNG7 A0A9P5GNG7_PENCR	75.21	4	4	0	0		1	1	1	0	N	54795	Glucose-methanol-choline oxidoreductase C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005185 PE=3 SV=1
1423	1289	A0A9P5KZT6 A0A9P5KZT6_PENCR	75.16	5	5	0	1.6145E2		2	2	2	0	Y	45782	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001225 PE=3 SV=1
1768	4973	A0A9P5KZC2 A0A9P5KZC2_PENCR	74.91	4	4	0	2.1039E2		1	1	1	0	N	37145	Ubiquitin thioesterase OTU OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000566 PE=4 SV=1
1637	1737	A0A9P5GCP7 A0A9P5GCP7_PENCR	74.75	2	2	0	0		1	1	1	0	N	53637	Hsp90 chaperone protein kinase-targeting subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002352 PE=3 SV=1
1717	3118	A0A9P5GNF9 A0A9P5GNF9_PENCR	74.57	2	2	0	0		1	1	1	0	N	49711	GTP cyclohydrolase II OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003811 PE=3 SV=1
1697	1792	A0A9P5GCX1 A0A9P5GCX1_PENCR	74.40	4	0	4		0	1	1	0	1	N	43993	BSD domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009879 PE=4 SV=1
1487	8264	A0A9P5GBF1 A0A9P5GBF1_PENCR	74.24	2	2	2	5.5984E2	0	1	1	1	1	N	40290	Apple domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000697 PE=4 SV=1
1625	2879	A0A9P5GFY5 A0A9P5GFY5_PENCR	74.21	3	3	0	5.9642E2		1	1	1	0	N	35748	Nucleotide-diphospho-sugar transferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009404 PE=4 SV=1

1880	8233	A0A9P5L1G2 A0A9P5L1G2_PENCR	74.21	5	5	0	4.2652E2		1	1	1	0	N	26185	GOLD domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008344 PE=3 SV=1
1877	8229	A0A9P5KZQ8 A0A9P5KZQ8_PENCR	74.12	4	4	0	0		1	1	1	0	N	31899	Protein BIG1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003291 PE=3 SV=1
1578	1670	A0A9P5GDA6 A0A9P5GDA6_PENCR	73.78	3	3	0	2.5141E2		1	1	1	0	N	44105	Gelsolin-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004290 PE=4 SV=1
1834	6847	A0A9P5GCJ7 A0A9P5GCJ7_PENCR	73.74	6	6	0	0		1	1	1	0	N	36719	Enoyl reductase (ER) domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010323 PE=4 SV=1
1863	8227	A0A9P5GF71 A0A9P5GF71_PENCR	73.72	4	4	0	0		1	1	1	0	N	42013	Tryptophan synthase beta chain-like PALP domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008260 PE=3 SV=1
1858	7767	A0A9P5GH03 A0A9P5GH03_PENCR	73.66	7	7	0	0		1	1	1	0	N	26392	NFACT RNA-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009383 PE=3 SV=1
1551	1349	A0A9P5L1J6 A0A9P5L1J6_PENCR	73.56	1	1	0	0		1	1	1	0	N	157052	5'-3' exoribonuclease 1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008301 PE=3 SV=1
1484	8230	A0A9P5L1Y4 A0A9P5L1Y4_PENCR	73.33	7	7	0	8.7496E2		1	1	2	0	N	19838	E2 ubiquitin-conjugating enzyme OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007687 PE=3 SV=1
1272	4895	A0A9P5GH69 A0A9P5GH69_PENCR	73.09	5	5	5	4.0155E2	1.2524E2	1	1	2	1	N	31045	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006882 PE=4 SV=1
1388	1120	A0A9P5GJ33 A0A9P5GJ33_PENCR	73.00	9	9	0	2.6405E3		2	2	2	0	N	20001	60S ribosomal protein L11 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005684 PE=3 SV=1
1385	3397	A0A9P5GRM8 A0A9P5GRM8_PENCR	72.79	5	5	0	0		1	1	2	0	N	38927	3-methyl-2-oxobutanoate hydroxymethyltransferase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006218 PE=3 SV=1
1522	1025	A0A9P5GLI2 A0A9P5GLI2_PENCR	72.50	1	1	0	0		1	1	1	0	N	167714	Vacuolar protein sorting/targeting protein 10 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008174 PE=3 SV=1
1715	3067	A0A9P5GFI5 A0A9P5GFI5_PENCR	72.38	3	3	0	3.2532E2		1	1	1	0	N	44268	C-CAP/cofactor C-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007863 PE=3 SV=1
1616	1764	A0A9P5GIM1 A0A9P5GIM1_PENCR	72.20	2	2	0	0		1	1	1	0	N	72618	Nuclear protein localization protein 4 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007470 PE=3 SV=1
1679	3550	A0A9P5GP50 A0A9P5GP50_PENCR	71.78	4	4	0	1.6199E2		1	1	1	0	N	34035	DUF1989 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004189 PE=4 SV=1

1698	1991	A0A9P5GQH9 A0A9P5GQH9_PENCR	71.71	3	3	0	5.3278E2		1	1	1	0	N	46428	Actin cytoskeleton-regulatory complex protein END3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000411 PE=3 SV=1
1763	4300	A0A9P5GU70 A0A9P5GU70_PENCR	71.53	5	5	0	2.3213E2		1	1	1	0	N	35393	ADP-ribosylhydrolase ARH3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007978 PE=3 SV=1
1765	4607	A0A9P5GS81 A0A9P5GS81_PENCR	71.51	3	3	0	0		1	1	1	0	N	54899	Transfer RNA methyltransferase 82 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005025 PE=3 SV=1
1470	8137	A0A9P5L8P0 A0A9P5L8P0_PENCR	71.45	4	4	4	0	0	1	1	1	1	N	25316	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003744 PE=4 SV=1
1848	7488	A0A9P5GJF1 A0A9P5GJF1_PENCR	71.09	5	5	0	2.7814E2		1	1	1	0	N	23945	WW domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008108 PE=4 SV=1
1799	7949	A0A9P5GSJ6 A0A9P5GSJ6_PENCR	71.00	4	4	0	0		1	1	1	0	N	23023	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003685 PE=3 SV=1
1466	6606	A0A9P5GNP8 A0A9P5GNP8_PENCR	70.94	4	4	4	3.7131E2	0	1	1	1	1	N	26492	Pyridoxamine 5'-phosphate oxidase putative domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005287 PE=4 SV=1
1451	3228	A0A9P5GJF7 A0A9P5GJF7_PENCR	70.79	3	3	0	3.1468E2		2	2	2	0	Y	61094	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010059 PE=4 SV=1
1878	8231	A0A9P5GSS7 A0A9P5GSS7_PENCR	70.62	22	22	0	3.2115E2		1	1	1	0	Y	10276	Mitochondrial import inner membrane translocase subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004414 PE=3 SV=1
1668	2434	A0A9P5GP52 A0A9P5GP52_PENCR	70.36	2	2	0	0		1	1	1	0	N	54248	Kynureninase OS= <i>Penicillium crustosum</i> OX=36656 GN=BNA5 PE=3 SV=1
1774	5823	A0A9P5L8X0 A0A9P5L8X0_PENCR	70.15	7	7	0	2.1021E2		1	1	1	0	Y	22911	Ras-related protein Rab7 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000183 PE=3 SV=1
1790	6669	A0A9P5GUC6 A0A9P5GUC6_PENCR	69.95	3	3	0	1.8471E3		1	1	1	0	N	40625	Eukaryotic translation initiation factor 3 subunit H OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001905 PE=3 SV=1
1777	6118	A0A9P5L7G9 A0A9P5L7G9_PENCR	69.73	2	2	0	2.6621E2		1	1	1	0	N	65079	triacylglycerol lipase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003606 PE=3 SV=1
1585	1140	A0A9P5GQ72 A0A9P5GQ72_PENCR	69.71	4	4	0	5.3121E2		1	1	1	0	N	44219	Glucose-methanol-choline oxidoreductase C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006050 PE=3 SV=1

1329	1351	A0A9P5GAW3 A0A9P5GAW3_PENCR	69.63	2	2	0	9.193E2		2	2	2	0	Y	147529	phosphoribosylformylglycinamidine synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001229 PE=3 SV=1
1543	1954	A0A9P5L6B6 A0A9P5L6B6_PENCR	69.57	2	2	0	0		1	1	1	0	N	90260	Cullin family profile domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000407 PE=3 SV=1
1883	8238	A0A9P5L8V2 A0A9P5L8V2_PENCR	69.53	4	4	0	0		1	1	1	0	N	32131	Short chain dehydrogenase/reductase family OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000138 PE=3 SV=1
1068	995	A0A9P5GSW4 A0A9P5GSW4_PENCR	69.49	1	1	0	3.515E4	4.3357E4	2	2	2	2	Y	711267	Carrier domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000109 PE=4 SV=1
1486	8235	A0A9P5GII5 A0A9P5GII5_PENCR	69.18	4	4	0	1.7593E2		1	1	2	0	N	45282	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009727 PE=3 SV=1
1485	8234	A0A9P5L1R3 A0A9P5L1R3_PENCR	69.15	12	12	12	0	0	1	1	1	1	Y	21029	GAF domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003823 PE=3 SV=1
1792	6754	A0A9P5L0M9 A0A9P5L0M9_PENCR	68.86	4	4	0	3.9263E2		1	1	1	0	N	35868	D-isomer specific 2-hydroxyacid dehydrogenase NAD-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005321 PE=4 SV=1
1488	8269	A0A9P5GSU3 A0A9P5GSU3_PENCR	68.71	13	13	0	4.3622E2		2	2	2	0	Y	16919	Spliceosomal protein DIB1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003437 PE=3 SV=1
1779	6274	A0A9P5L2K2 A0A9P5L2K2_PENCR	68.54	2	2	0	1.46E2		1	1	1	0	N	67299	SnRNP assembly factor OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008361 PE=4 SV=1
1814	6315	A0A9P5GRE2 A0A9P5GRE2_PENCR	68.49	5	5	0	0		1	1	1	0	N	45839	Lipoyl synthase, mitochondrial OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005299 PE=3 SV=1
1685	6008	A0A9P5KZ47 A0A9P5KZ47_PENCR	68.45	2	2	0	5.6651E2		1	1	1	0	N	45094	DNA/pantothenate metabolism flavoprotein C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007584 PE=3 SV=1
1829	6687	A0A9P5L1H4 A0A9P5L1H4_PENCR	68.37	6	6	0	1.3423E3		1	1	1	0	N	21184	Blastomyces yeast-phase-specific protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009706 PE=4 SV=1
1856	7748	A0A9P5KYM9 A0A9P5KYM9_PENCR	68.30	3	3	0	5.2456E2		1	1	1	0	N	47538	U5 snRNP complex subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001533 PE=4 SV=1
1577	1655	A0A9P5L206 A0A9P5L206_PENCR	68.24	2	2	0	0		1	1	1	0	N	67952	ABC transporter domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003021 PE=4 SV=1

1518	996	A0A9P5GK65 A0A9P5GK65_PENCR	67.31	2	2	0	0		1	1	1	0	N	61440	CRAL-TRIO domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004658 PE=4 SV=1
1065	8250	A0A9P5GI76 A0A9P5GI76_PENCR	67.28	15	15	15	5.7187E3	1.6688E3	1	1	4	1	Y	6545	RidA family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008707 PE=4 SV=1
1695	1372	A0A9P5L153 A0A9P5L153_PENCR	67.02	5	5	0	0		1	1	1	0	N	31505	D-xylose reductase [NAD(P)H] OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007056 PE=3 SV=1
1342	1156	A0A9P5GGW8 A0A9P5GGW8_PENCR	66.53	4	4	0	8.1245E2		2	2	2	0	N	48441	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010718 PE=4 SV=1
1588	1301	A0A9P5GKG1 A0A9P5GKG1_PENCR	66.18	4	4	0	2.0171E3		1	1	1	0	N	61096	Cytochrome P450 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007008 PE=3 SV=1
1406	2461	A0A9P5GEB0 A0A9P5GEB0_PENCR	66.06	3	3	0	0		2	2	2	0	Y	68534	pH-response transcription factor pacC/RIM101 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000703 PE=3 SV=1
1214	3346	A0A9P5GEV7 A0A9P5GEV7_PENCR	65.51	3	3	0	0		1	1	3	0	N	62397	RRM domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008559 PE=4 SV=1
1359	1531	A0A9P5GE26 A0A9P5GE26_PENCR	65.45	3	3	0	2.9308E2		2	2	2	0	Y	88641	Ubiquitin interaction motif protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000448 PE=4 SV=1
1463	5824	A0A9P5KWP8 A0A9P5KWP8_PENCR	65.32	3	1	2	0	0	2	2	1	1	Y	63925	Glycosyl hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008941 PE=4 SV=1
1884	8239	A0A9P5GN63 A0A9P5GN63_PENCR	65.21	11	11	0	0		1	1	1	0	Y	17357	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005228 PE=4 SV=1
1806	5850	A0A9P5GGF8 A0A9P5GGF8_PENCR	65.18	7	7	0	0		1	1	1	0	N	14650	CENP-V/GFA domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009168 PE=3 SV=1
1468	7571	A0A9P5GXU6 A0A9P5GXU6_PENCR	64.88	13	13	0	5.6356E2		1	1	2	0	N	7711	Ribosomal protein S28e OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000039 PE=3 SV=1
1886	8242	A0A9P5GRA1 A0A9P5GRA1_PENCR	64.86	6	6	0	4.8014E2		1	1	1	0	N	20025	NADH-ubiquinone oxidoreductase 178 kDa subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002830 PE=4 SV=1
1614	1723	A0A9P5GKT2 A0A9P5GKT2_PENCR	64.64	3	3	0	1.6462E2		1	1	1	0	Y	45013	Protein kinase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007227 PE=3 SV=1
1326	1216	A0A9P5GSX3 A0A9P5GSX3_PENCR	64.40	3	2	1	0	3.4639E2	2	2	1	1	N	95518	DNA mismatch repair protein MSH3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010202 PE=3 SV=1

1403	1918	A0A9P5KWL3 A0A9P5KWL3_PENCR	64.40	3	3	0	2.0859E3		2	2	2	0	N	97665	V-type proton ATPase subunit a OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001727 PE=3 SV=1
1864	8240	A0A9P5GFW2 A0A9P5GFW2_PENCR	64.23	8	8	0	0		1	1	1	0	N	18997	PRA1 family protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001015 PE=3 SV=1
1737	5456	A0A9P5L6W2 A0A9P5L6W2_PENCR	64.23	2	2	0	2.3098E2		1	1	1	0	N	60905	Glycosyl hydrolase family 13 catalytic domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001866 PE=3 SV=1
1631	5894	A0A9P5GSS2 A0A9P5GSS2_PENCR	64.13	4	4	0	0		1	1	1	0	N	26552	C-8 sterol isomerase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004787 PE=3 SV=1
1735	5031	A0A9P5GIR9 A0A9P5GIR9_PENCR	64.10	1	1	0	0		1	1	1	0	N	92036	P/Homo B domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010511 PE=3 SV=1
1861	8136	A0A9P5KYI1 A0A9P5KYI1_PENCR	63.13	3	3	0	0		1	1	1	0	N	45609	Calcineurin-like phosphoesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008330 PE=4 SV=1
1246	4780	A0A9P5GG90 A0A9P5GG90_PENCR	63.09	1	1	1	2.359E3	2.0351E3	1	1	1	2	N	61634	CCT-theta OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009455 PE=3 SV=1
1699	2056	A0A9P5L2D1 A0A9P5L2D1_PENCR	63.04	3	3	0	3.0611E2		1	1	1	0	N	46861	penicillopepsin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007221 PE=3 SV=1
1885	8241	A0A9P5GLJ3 A0A9P5GLJ3_PENCR	63.00	9	9	0	5.613E2		1	1	1	0	N	19533	Suppressor of disruption of TFII5 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004201 PE=4 SV=1
1771	5486	A0A9P5L3I9 A0A9P5L3I9_PENCR	62.95	2	2	0	3.7088E2		1	1	1	0	N	56931	Folylpolyglutamate synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005723 PE=3 SV=1
1420	7802	A0A9P5GGE6 A0A9P5GGE6_PENCR	62.61	5	5	0	0		1	1	2	0	N	36341	L-type lectin-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007388 PE=4 SV=1
1701	2356	A0A9P5L422 A0A9P5L422_PENCR	62.54	3	0	3		9.1922E1	1	1	0	1	N	50308	FAD-binding PCMH-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003742 PE=3 SV=1
1755	1782	A0A9P5L2L0 A0A9P5L2L0_PENCR	62.27	3	3	0	0		1	1	1	0	N	36074	FAD synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001419 PE=4 SV=1
1831	6734	A0A9P5GIQ2 A0A9P5GIQ2_PENCR	62.24	15	15	0	3.1463E2		1	1	1	0	Y	10572	Hydrophobin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008543 PE=4 SV=1
1887	8243	A0A9P5GM90 A0A9P5GM90_PENCR	62.02	2	2	0	9.5486E1		1	1	1	0	Y	75965	Calcineurin-like phosphoesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003829 PE=4 SV=1

1559	1333	A0A9P5GLZ8 A0A9P5GLZ8_PENCR	61.77	2	2	0	1.6201E2		1	1	1	0	N	99466	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003282 PE=4 SV=1
1642	2230	A0A9P5GQR4 A0A9P5GQR4_PENCR	61.68	1	1	0	1.9923E2		1	1	1	0	N	102117	dipeptidyl-peptidase IV OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003789 PE=3 SV=1
1716	3113	A0A9P5GJ49 A0A9P5GJ49_PENCR	61.66	2	0	2		0	1	1	0	1	N	92110	Rhamnogalacturonase A/B/Epimerase-like pectate lyase domain- containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008114 PE=4 SV=1
1838	7058	A0A9P5GMH0 A0A9P5GMH0_PENCR	61.59	2	2	0	6.1638E2		1	1	1	0	N	51575	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004440 PE=3 SV=1
1821	6534	A0A9P5L5H3 A0A9P5L5H3_PENCR	61.58	8	8	0	1.2724E3		1	1	1	0	N	14534	60S ribosomal protein L35 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004472 PE=3 SV=1
1854	7659	A0A9P5G9V1 A0A9P5G9V1_PENCR	61.36	3	3	0	1.0768E2		1	1	1	0	Y	59778	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002890 PE=4 SV=1
1562	1947	A0A9P5GQV6 A0A9P5GQV6_PENCR	61.34	2	2	0	0		1	1	1	0	N	51447	6-phosphofructo-2-kinase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002534 PE=4 SV=1
1836	7010	A0A9P5GCW6 A0A9P5GCW6_PENCR	61.03	7	7	0	2.7314E2		1	1	1	0	N	41180	Beta-glucuronidase C-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002089 PE=4 SV=1
1448	2531	A0A9P5KZR1 A0A9P5KZR1_PENCR	60.73	5	5	0	8.8036E1		2	2	2	0	Y	44727	enoyl-[acyl-carrier-protein] reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006639 PE=3 SV=1
1889	8245	A0A9P5GN81 A0A9P5GN81_PENCR	60.57	4	4	0	0		1	1	1	0	N	36815	FAD-binding FR-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007710 PE=4 SV=1
1888	8244	A0A9P5KWC1 A0A9P5KWC1_PENCR	60.54	18	18	0	0		1	1	1	0	N	11795	Profilin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002687 PE=3 SV=1
1739	5619	A0A9P5KVB5 A0A9P5KVB5_PENCR	60.40	6	6	0	0		1	1	1	0	N	17826	Amidohydrolase-related domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002481 PE=4 SV=1
1621	2400	A0A9P5KW91 A0A9P5KW91_PENCR	60.36	2	2	0	1.9955E2		1	1	1	0	N	97663	Probable endonuclease LCL3 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003005 PE=4 SV=1
1452	3431	A0A9P5GB03 A0A9P5GB03_PENCR	60.19	12	7	5	1.0968E2	0	2	2	1	1	N	13979	Histone H2A OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003918 PE=3 SV=1

1784	6472	A0A9P5KZU6 A0A9P5KZU6_PENCR	60.09	3	3	0	0		1	1	1	0	N	37088	Alpha/beta hydrolase fold-3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003094 PE=4 SV=1
1722	3905	A0A9P5KYF3 A0A9P5KYF3_PENCR	60.05	8	8	0	0		1	1	1	0	N	23266	Serine hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004294 PE=4 SV=1
1661	1711	A0A9P5GBJ1 A0A9P5GBJ1_PENCR	59.88	2	2	0	3.2724E2		1	1	1	0	N	40477	NADH:flavin oxidoreductase/NADH oxidase N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000613 PE=4 SV=1
1465	6272	A0A9P5GFP4 A0A9P5GFP4_PENCR	59.58	14	14	0	0		1	1	2	0	Y	9205	Bubble protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010316 PE=4 SV=1
1860	8062	A0A9P5L3H9 A0A9P5L3H9_PENCR	59.53	6	6	0	2.8539E2		1	1	1	0	N	17207	TauD/TfdA-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007136 PE=4 SV=1
1677	3267	A0A9P5KYP7 A0A9P5KYP7_PENCR	59.27	9	9	0	0		1	1	1	0	N	12313	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002973 PE=4 SV=1
1308	1465	A0A9P5GNI9 A0A9P5GNI9_PENCR	59.23	0	0	0	3.2645E2	0	1	1	1	1	N	429962	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006810 PE=3 SV=1
1706	2665	A0A9P5GM79 A0A9P5GM79_PENCR	59.20	8	8	0	2.0594E2		1	1	1	0	N	28174	AB hydrolase-1 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005546 PE=3 SV=1
1747	6518	A0A9P5GPL4 A0A9P5GPL4_PENCR	58.54	3	3	0	1.4517E5		1	1	1	0	N	48371	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004704 PE=4 SV=1
1381	2320	A0A9P5GMF7 A0A9P5GMF7_PENCR	58.30	3	3	3	1.9676E2	4.0116E2	1	1	1	1	N	54181	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005895 PE=4 SV=1
1072	1037	A0A9P5GN97 A0A9P5GN97_PENCR	58.13	0	0	0	0	0	1	1	3	1	N	593410	Carrier domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003976 PE=4 SV=1
1072	1098	A0A0E3D8K8 A0A0E3D8K8_PENCR	58.13	0	0	0	0	0	1	1	3	1	N	394493	Non-ribosomal peptide synthetase (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PC-01 PE=4 SV=1
1666	2249	A0A9P5GIZ5 A0A9P5GIZ5_PENCR	58.04	4	4	0	0		1	1	1	0	N	41799	palmitoyl-CoA hydrolase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008160 PE=3 SV=1
1659	1328	A0A9P5GFR4 A0A9P5GFR4_PENCR	57.67	3	3	0	0		1	1	1	0	N	46699	histidinol-phosphate transaminase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001037 PE=3 SV=1

1665	2138	A0A9P5GPM3 A0A9P5GPM3_PENCR	57.49	2	2	0	2.0636E2		1	1	1	0	N	41276	AA9 family lytic polysaccharide monooxygenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004719 PE=4 SV=1
1414	3558	A0A9P5GW49 A0A9P5GW49_PENCR	57.45	8	8	0	2.1283E3		1	1	2	0	N	12483	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001872 PE=4 SV=1
1891	8249	A0A9P5KZ34 A0A9P5KZ34_PENCR	57.43	2	0	2		0	1	1	0	1	N	107147	Probable beta-galactosidase C OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001019 PE=3 SV=1
1647	2601	A0A9P5GUP5 A0A9P5GUP5_PENCR	57.42	3	3	0	0		1	1	1	0	Y	39696	Methyltransferase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007141 PE=4 SV=1
1660	1540	A0A9P5KX64 A0A9P5KX64_PENCR	57.16	2	2	0	0		1	1	1	0	N	66801	phenylalanine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007748 PE=3 SV=1
1743	5977	A0A9P5GD37 A0A9P5GD37_PENCR	56.71	1	1	0	7.4155E2		1	1	1	0	N	180387	E3 ubiquitin-protein ligase listerin OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001272 PE=3 SV=1
1818	6420	A0A9P5L3E2 A0A9P5L3E2_PENCR	56.69	5	5	0	0		1	1	1	0	N	38078	Dienelactone hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007284 PE=3 SV=1
1568	1546	A0A9P5L005 A0A9P5L005_PENCR	56.61	1	1	0	0		1	1	1	0	N	96420	SAM-dependent MTase RsmB/NOP-type domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001044 PE=3 SV=1
1731	4763	A0A9P5L683 A0A9P5L683_PENCR	56.50	1	1	0	0		1	1	1	0	N	138099	Clustered mitochondria protein homolog OS= <i>Penicillium crustosum</i> OX=36656 GN=CLU1 PE=3 SV=1
1723	3913	A0A9P5GMK9 A0A9P5GMK9_PENCR	56.42	2	2	0	0		1	1	1	0	N	65576	asparagine--tRNA ligase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005784 PE=3 SV=1
1820	6493	A0A9P5GKE0 A0A9P5GKE0_PENCR	56.11	4	4	0	6.146E2		1	1	1	0	N	37039	Eukaryotic translation initiation factor 3 subunit F OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005969 PE=3 SV=1
1657	6279	A0A9P5GM35 A0A9P5GM35_PENCR	55.84	4	4	0	2.972E2		1	1	1	0	N	35121	NodB homology domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008434 PE=4 SV=1
1892	8251	A0A9P5GKY7 A0A9P5GKY7_PENCR	55.74	8	8	0	3.0866E2		1	1	1	0	N	23569	GOLD domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006720 PE=3 SV=1
1336	2030	A0A9P5GK36 A0A9P5GK36_PENCR	55.70	2	0	2		5.8733E2	1	1	0	2	N	85737	Transcription factor domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006949 PE=4 SV=1
1734	4956	A0A9P5L7K8 A0A9P5L7K8_PENCR	55.68	2	2	0	0		1	1	1	0	N	33994	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003711 PE=3 SV=1

1566	6143	A0A9P5L5L1 A0A9P5L5L1_PENCR	55.58	8	8	0	1.8481E2		1	1	1	0	N	17671	40S ribosomal protein S15 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004564 PE=3 SV=1
1893	8252	A0A9P5GBN3 A0A9P5GBN3_PENCR	55.29	13	13	0	1.7967E3		1	1	1	0	N	8734	dihydrolipoyllysine-residue succinyltransferase (Fragment) OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000603 PE=3 SV=1
1629	5171	A0A9P5GR34 A0A9P5GR34_PENCR	55.12	3	3	0	3.5084E2		1	1	1	0	N	51352	Amine oxidase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005329 PE=4 SV=1
1313	1595	A0A9P5GK78 A0A9P5GK78_PENCR	54.86	1	1	1	1.3267E3	2.036E3	1	1	1	1	Y	143838	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006398 PE=4 SV=1
1895	8254	A0A9P5GS38 A0A9P5GS38_PENCR	54.63	6	0	6		0	1	1	0	1	N	20137	SnoaL-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_003613 PE=4 SV=1
1846	7467	A0A9P5GIC1 A0A9P5GIC1_PENCR	54.62	3	3	0	0		1	1	1	0	Y	49848	L-tryptophan decarboxylase PsiD-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010311 PE=4 SV=1
1662	1832	A0A9P5GKD3 A0A9P5GKD3_PENCR	54.43	3	3	0	0		1	1	1	0	N	44076	V-type proton ATPase subunit C OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006687 PE=3 SV=1
1778	6178	A0A9P5L6W1 A0A9P5L6W1_PENCR	54.20	7	7	0	0		1	1	1	0	N	26378	Eukaryotic translation initiation factor 6 OS= <i>Penicillium crustosum</i> OX=36656 GN=TIF6 PE=3 SV=1
1773	5675	A0A9P5KW65 A0A9P5KW65_PENCR	54.15	2	2	0	0		1	1	1	0	N	49434	FAD-binding domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010404 PE=3 SV=1
1762	3989	A0A9P5GNG6 A0A9P5GNG6_PENCR	54.11	6	6	0	0		1	1	1	0	N	41140	L-arabinitol 4-dehydrogenase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005420 PE=3 SV=1
1674	2762	A0A9P5GUS1 A0A9P5GUS1_PENCR	54.07	4	4	0	0		1	1	1	0	N	42252	biotin synthase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000902 PE=3 SV=1
1800	8129	A0A9P5GG01 A0A9P5GG01_PENCR	54.07	8	8	0	2.5504E2		1	1	1	0	N	16284	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009434 PE=4 SV=1
1894	8253	A0A9P5LOW6 A0A9P5LOW6_PENCR	54.05	3	3	0	3.4771E2		1	1	1	0	N	40782	V-type proton ATPase subunit OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008814 PE=3 SV=1
1549	1271	A0A9P5GD19 A0A9P5GD19_PENCR	54.01	2	2	0	0		1	1	1	0	Y	99457	Spindle pole body component OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001226 PE=3 SV=1
1619	1957	A0A9P5GK45 A0A9P5GK45_PENCR	53.95	2	2	0	0		1	1	1	0	N	36872	ADF-H domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008623 PE=3 SV=1

1767	4879	A0A9P5L3B6 A0A9P5L3B6_PENCR	53.88	5	5	0	0		1	1	1	0	Y	41919	Mitotic checkpoint regulator, MAD2B-interacting-domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007385 PE=4 SV=1
1868	8285	A0A9P5L2C9 A0A9P5L2C9_PENCR	53.79	3	3	0	3.2084E2		1	1	1	0	N	29927	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_008539 PE=3 SV=1
1729	4540	A0A9P5GND8 A0A9P5GND8_PENCR	53.74	11	11	0	9.922E1		1	1	1	0	N	15934	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005557 PE=4 SV=1
1766	4742	A0A9P5L3N7 A0A9P5L3N7_PENCR	53.73	3	3	0	0		1	1	1	0	N	37762	Proline utilization protein PrnX OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006152 PE=4 SV=1
1896	8255	A0A9P5KYS4 A0A9P5KYS4_PENCR	53.65	6	6	0	0		1	1	1	0	N	38193	NAD-dependent epimerase/dehydratase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001307 PE=3 SV=1
1689	6817	A0A9P5GIT9 A0A9P5GIT9_PENCR	53.62	4	4	0	0		1	1	1	0	N	33175	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010442 PE=4 SV=1
1532	1682	A0A9P5L5D8 A0A9P5L5D8_PENCR	53.55	1	1	0	0		1	1	1	0	N	130157	SH3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004580 PE=4 SV=1
1823	6558	A0A9P5L7C0 A0A9P5L7C0_PENCR	53.14	2	2	0	2.9166E2		1	1	1	0	N	56422	Adenylyl cyclase-associated protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000380 PE=3 SV=1
1832	6746	A0A9P5KXF3 A0A9P5KXF3_PENCR	53.10	4	4	0	1.6343E2		1	1	1	0	Y	39669	Cyclin-D1-binding protein 1-like N-terminal domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007335 PE=4 SV=1
1828	6673	A0A9P5L597 A0A9P5L597_PENCR	53.05	3	3	0	0		1	1	1	0	N	43943	NAD-dependent epimerase/dehydratase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_004656 PE=4 SV=1
1839	7137	A0A9P5GBP6 A0A9P5GBP6_PENCR	52.93	3	3	0	0		1	1	1	0	N	35719	2-dehydropantoate 2-reductase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000535 PE=3 SV=1
1826	6604	A0A9P5GIL6 A0A9P5GIL6_PENCR	52.51	6	6	0	0		1	1	1	0	N	22900	Thioesterase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009668 PE=4 SV=1
1827	6660	A0A9P5GCJ0 A0A9P5GCJ0_PENCR	52.43	4	4	0	0		1	1	1	0	N	27780	Dienelactone hydrolase domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010309 PE=4 SV=1
1611	7201	A0A9P5GLJ9 A0A9P5GLJ9_PENCR	52.40	2	0	2		1.1242E3	1	1	0	1	N	67114	Ig-like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_006520 PE=4 SV=1

1694	1221	A0A9P5GIZ7 A0A9P5GIZ7_PENCR	52.16	11	11	0	1.7808E2		1	1	1	0	N	21926	guanylate kinase OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009381 PE=3 SV=1
1407	2508	A0A9P5KZC6 A0A9P5KZC6_PENCR	52.06	1	1	1	0	4.7514E2	1	1	1	1	N	120145	U3 small nucleolar RNA-associated protein 22 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000581 PE=3 SV=1
1801	8258	A0A9P5KVU9 A0A9P5KVU9_PENCR	51.73	10	10	0	2.5328E2		1	1	1	0	N	10880	Cytochrome b-c1 complex subunit 8 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000766 PE=3 SV=1
1527	1601	A0A9P5GNF8 A0A9P5GNF8_PENCR	51.55	1	1	0	8.6245E2		1	1	1	0	Y	114363	ribonuclease Z OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005405 PE=3 SV=1
1681	3803	A0A9P5GRM6 A0A9P5GRM6_PENCR	51.16	4	4	0	9.0511E2		1	1	1	0	N	32344	MoaB/Mog domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002784 PE=4 SV=1
1330	1413	A0A9P5GDH6 A0A9P5GDH6_PENCR	51.02	1	1	0	0		1	1	2	0	N	76613	RNA binding protein Nrd1 OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000845 PE=4 SV=1
1361	1749	A0A9P5GIN6 A0A9P5GIN6_PENCR	50.85	3	3	3	4.8811E2	0	1	1	1	1	N	43092	Purine nucleoside permease OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_007500 PE=3 SV=1
1314	2862	A0A9P5GRY6 A0A9P5GRY6_PENCR	50.82	1	1	1	7.4571E2	2.0413E2	1	1	1	1	N	92631	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002868 PE=4 SV=1
1443	8259	A0A9P5GPY6 A0A9P5GPY6_PENCR	50.70	5	5	5	7.8545E2	2.0278E2	1	1	1	1	N	28758	Flavin reductase like domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005547 PE=3 SV=1
1897	8261	A0A9P5L7A3 A0A9P5L7A3_PENCR	50.49	7	7	0	0		1	1	1	0	N	15067	KOW domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_001467 PE=3 SV=1
1352	6184	A0A9P5KX13 A0A9P5KX13_PENCR	50.39	4	4	4	3.6161E3	3.6386E3	1	1	1	1	N	51214	Acyltransferase 3 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_000652 PE=4 SV=1
838	1487	A0A9P5GCJ5 A0A9P5GCJ5_PENCR	50.32	1	1	1	1.7199E4	1.0717E4	1	1	5	3	N	170676	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_002096 PE=3 SV=1
1322	1044	A0A9P5GML2 A0A9P5GML2_PENCR	49.96	2	2	0	2.8678E2		1	1	2	0	N	70804	Uncharacterized protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_005632 PE=4 SV=1
940	8260	A0A9P5GIM9 A0A9P5GIM9_PENCR	49.77	3	3	0	2.7567E5		1	1	6	0	Y	62548	Major facilitator superfamily (MFS) profile domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_010554 PE=4 SV=1
1618	1859	A0A9P5KY55 A0A9P5KY55_PENCR	49.77	2	2	0	0		1	1	1	0	N	86114	Cytochrome b561 domain-containing protein OS= <i>Penicillium crustosum</i> OX=36656 GN=PCG10_009043 PE=4 SV=1

[illegible]