

Environmental chemical	Regulatory information	Gene symbol	Ensembl ID	Reference
C000188	increase	BCL2	ENSG00000171791	12730627;10545406;
C000188	increase	CYP3A4	ENSG00000160868	10475613;16565514;
C001277	affect	HSPA5	ENSG00000044574	14576064;
C001277	decrease	AKT1	ENSG00000142208	15781649;17293044;
C001277	decrease	BCL2	ENSG00000171791	15781649;
C001277	decrease	BCL2L1	ENSG00000171552	15781649;
C001277	decrease	BIRC2	ENSG00000110330	15781649;
C001277	decrease	CCND1	ENSG00000110092	15781649;17959518;
C001277	decrease	ESR1	ENSG00000091831	16037132;11448926;
C001277	decrease	HIF1A	ENSG00000100644	11980636;16432534;14726529;15319539;
C001277	decrease	KCNH2	ENSG00000055118	12775586;
C001277	decrease	PGR	ENSG00000082175	11448926;
C001277	decrease	PLAU	ENSG00000122861	12724357;
C001277	increase	CDH1	ENSG00000039068	17024233;
C001277	increase	FGF7	ENSG00000140285	14656992;
C001277	increase	HPGD	ENSG00000164120	15680906;
C001277	increase	HSPA1A	ENSG00000232804	11448926;
C001277	increase	HSPA4	ENSG00000170606	16311509;
C001277	increase	IL24	ENSG00000162892	17024233;
C001277	increase	IL8	ENSG00000169429	11472980;
C001277	increase	MGMT	ENSG00000170430	16950796;
C001277	increase	MMP1	ENSG00000196611	12724357;
C001277	increase	PTHLH	ENSG00000087494	12724357;
C001277	increase	TNF	ENSG00000223952	11472980;
C001329	decrease	NFKBIA	ENSG00000100906	16024638;
C001329	increase	CD40	ENSG00000101017	15894585;
C001329	increase	CD80	ENSG00000121594	15894585;
C001329	increase	CD83	ENSG00000112149	15894585;
C001329	increase	CD86	ENSG00000114013	15894585;
C001329	increase	ICAM1	ENSG00000090339	15894585;
C001329	increase	TNFRSF10A	ENSG00000104689	16024638;
C001390	increase	PTGS2	ENSG00000073756	18480072;
C001478	decrease	GNB5	ENSG00000069966	16129123;
C001478	decrease	PTPN3	ENSG00000070159	16129123;
C001478	decrease	TFDP2	ENSG00000114126	16129123;
C001478	decrease	VIM	ENSG00000026025	16129123;
C001478	increase	ASNS	ENSG00000070669	16129123;
C001478	increase	BTG1	ENSG00000133639	16129123;
C001478	increase	JAG1	ENSG00000101384	16129123;
C001478	increase	NUPL1	ENSG00000139496	16129123;
C001478	increase	PDE4B	ENSG00000184588	16129123;
C001478	increase	PIR	ENSG00000087842	16129123;
C001478	increase	PMAIP1	ENSG00000141682	16129123;
C001478	increase	PPIG	ENSG00000138398	16129123;
C001478	increase	PTPN12	ENSG00000127947	16129123;
C001478	increase	RGS16	ENSG00000143333	16129123;
C001478	increase	RIT1	ENSG00000143622	16129123;
C001478	increase	S100P	ENSG00000163993	16129123;
C001478	increase	TNFAIP2	ENSG00000185215	16129123;
C001570	decrease	MAPT	ENSG00000186868	16930453;

C001654	affect	NR1I2	ENSG00000144852	14600250;15630458;15856409;
C001654	increase	ABCB1	ENSG00000085563	15266218;16005588;
C001654	increase	CYP24A1	ENSG00000019186	15630458;
C001654	increase	CYP2C9	ENSG00000138109	14600250;15100173;
C001654	increase	CYP3A4	ENSG00000160868	15100173;16005588;16442130;17954527;15266218;
C001654	increase	ICAM1	ENSG00000090339	15622447;
C001654	increase	IL8	ENSG00000169429	15622447;
C001758	decrease	BIRC2	ENSG00000110330	15359644;
C001758	decrease	BIRC3	ENSG00000023445	12948851;
C001758	decrease	DAXX	ENSG00000231617	12948851;
C001758	decrease	PAWR	ENSG00000177425	12948851;
C001758	decrease	XIAP	ENSG00000101966	12948851;15359644;
C001758	increase	TP53	ENSG00000141510	12948851;
C001765	increase	CGB	ENSG00000213030	15941851;
C001765	increase	CYP19A1	ENSG00000137869	15941851;
C001765	increase	HSD17B1	ENSG00000108786	16513093;
C001803	increase	CDKN1A	ENSG00000124762	15601469;
C001803	increase	TP53	ENSG00000141510	15601469;
C001870	increase	CYP2B6	ENSG00000197408	15548381;
C001870	increase	CYP3A4	ENSG00000160868	15548381;
C001899	decrease	BIRC3	ENSG00000023445	15972136;
C001899	decrease	CD80	ENSG00000121594	15663903;
C001899	decrease	CD86	ENSG00000114013	15663903;
C001899	decrease	DUSP1	ENSG00000120129	17507666;
C001899	decrease	ICAM1	ENSG00000090339	17931847;
C001899	decrease	IL12A	ENSG00000168811	15663903;
C001899	decrease	IL12B	ENSG00000113302	15663903;
C002010	affect	EGR1	ENSG00000120738	10739673;
C002010	affect	FOS	ENSG00000170345	10739673;
C002010	affect	MYC	ENSG00000136997	10739673;
C002055	decrease	CCNA2	ENSG00000145386	18930000;
C002055	decrease	CCND1	ENSG00000110092	18930000;
C002055	decrease	CCNE1	ENSG00000105173	18930000;
C002055	increase	CDKN1B	ENSG00000111276	18930000;
C002055	increase	TP53	ENSG00000141510	18930000;
C002055	increase	TXNIP	ENSG00000117289	18930000;
C002070	increase	BIRC5	ENSG00000089685	16077934;
C002202	affect	CDH1	ENSG00000039068	17034753;
C002202	decrease	AIP	ENSG00000110711	15982314;
C002202	decrease	CBX3	ENSG00000122565	15982314;
C002202	decrease	CKB	ENSG00000166165	15982314;
C002202	decrease	COL6A1	ENSG00000142156	15982314;
C002202	decrease	COL8A2	ENSG00000171812	15982314;
C002202	decrease	CXCL1	ENSG00000163739	15982314;
C002202	decrease	CYP27A1	ENSG00000135929	15982314;
C002202	decrease	CYP3A7	ENSG00000160870	15982314;
C002202	decrease	CYP4A11	ENSG00000187048	15982314;
C002202	decrease	DSC1	ENSG00000134765	15982314;
C002202	decrease	DUSP11	ENSG00000144048	15982314;
C002202	decrease	E2F1	ENSG00000101412	15982314;
C002202	decrease	EGFR	ENSG00000146648	15982314;
C002202	decrease	EIF4EBP2	ENSG00000148730	15982314;

C002202	decrease	FABP5	ENSG00000164687	15982314;
C002202	decrease	FAS	ENSG00000026103	17034753;
C002202	decrease	FASTK	ENSG00000164896	15982314;
C002202	decrease	FGF1	ENSG00000113578	15982314;
C002202	decrease	FLG	ENSG00000143631	15982314;
C002202	decrease	GBA	ENSG00000177628	15982314;
C002202	decrease	GDF2	ENSG00000128802	15982314;
C002202	decrease	GRB7	ENSG00000141738	15982314;
C002202	decrease	GSTM1	ENSG00000134184	15982314;
C002202	decrease	IGF2	ENSG00000167244	15982314;
C002202	decrease	IL10RA	ENSG00000110324	15982314;
C002202	decrease	IL24	ENSG00000162892	15982314;
C002202	decrease	KRT10	ENSG00000186395	15982314;
C002202	decrease	KRT14	ENSG00000186847	15982314;
C002202	decrease	KRT17	ENSG00000128422	15982314;
C002202	decrease	KRT1	ENSG00000167768	15982314;
C002202	decrease	KRT5	ENSG00000186081	15982314;
C002202	decrease	KRT6A	ENSG00000205420	15982314;
C002202	decrease	KRT75	ENSG00000170454	15982314;
C002202	decrease	LAMA2	ENSG00000196569	15982314;
C002202	decrease	LAMA3	ENSG00000053747	15982314;
C002202	decrease	MCL1	ENSG00000143384	17034753;
C002202	decrease	MFAP2	ENSG00000117122	15982314;
C002202	decrease	MMP10	ENSG00000166670	15982314;
C002202	decrease	NEFL	ENSG00000104725	15982314;
C002202	decrease	ODC1	ENSG00000115758	15982314;
C002202	decrease	PTGS1	ENSG00000095303	15982314;
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C002202	decrease	RHOA	ENSG00000067560	15982314;
C002202	decrease	RHOB	ENSG00000143878	15982314;
C002202	decrease	RNF5	ENSG00000225452	15982314;
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C002202	decrease	SLC16A1	ENSG00000155380	15982314;
C002202	decrease	SOCS1	ENSG00000185338	15982314;
C002202	decrease	SPRR1B	ENSG00000169469	15982314;
C002202	decrease	SULT2A1	ENSG00000105398	15982314;
C002202	decrease	TGM1	ENSG00000092295	15982314;
C002202	decrease	THBS1	ENSG00000137801	15982314;
C002202	decrease	VEGFC	ENSG00000150630	15982314;
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C002202	increase	APOD	ENSG00000189058	15982314;
C002202	increase	CDKN1C	ENSG00000129757	15982314;
C002202	increase	COL1A1	ENSG00000108821	17034753;
C002202	increase	COL4A2	ENSG00000134871	17034753;
C002202	increase	CRABP2	ENSG00000143320	17034753;
C002202	increase	DUSP10	ENSG00000143507	15982314;
C002202	increase	EMP1	ENSG00000134531	15982314;
C002202	increase	FAM3C	ENSG00000196937	15982314;
C002202	increase	FASN	ENSG00000169710	15982314;
C002202	increase	FKBP8	ENSG00000105701	15982314;
C002202	increase	FOXA1	ENSG00000129514	17034753;
C002202	increase	G6PD	ENSG00000160211	15982314;

C002202	increase	GATA6	ENSG00000141448	17034753;
C002202	increase	GDF15	ENSG00000130513	15982314;
C002202	increase	GLUL	ENSG00000135821	15982314;
C002202	increase	HBEGF	ENSG00000113070	15982314;
C002202	increase	IGF1	ENSG00000017427	15982314;
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C002202	increase	IL1B	ENSG00000125538	15982314;
C002202	increase	ITGA4	ENSG00000115232	15982314;
C002202	increase	IVL	ENSG00000163207	17034753;
C002202	increase	KRT15	ENSG00000171346	15982314;
C002202	increase	KRT18	ENSG00000111057	17034753;
C002202	increase	KRT19	ENSG00000171345	15982314;17034753;
C002202	increase	KRT7	ENSG00000135480	15982314;17034753;
C002202	increase	KRT8	ENSG00000170421	17034753;
C002202	increase	LAMC3	ENSG00000050555	15982314;
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C002202	increase	MEIS2	ENSG00000134138	17034753;
C002202	increase	MEOX1	ENSG00000005102	17034753;
C002202	increase	NEDD9	ENSG00000111859	15982314;
C002202	increase	OLR1	ENSG00000173391	17034753;
C002202	increase	PIR	ENSG00000087842	15982314;
C002202	increase	PLAT	ENSG00000104368	15982314;
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C002202	increase	RARB	ENSG00000077092	17034753;
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C002202	increase	RARRES3	ENSG00000133321	17034753;
C002202	increase	RPS13	ENSG00000110700	15982314;
C002202	increase	S100A7	ENSG00000143556	15982314;
C002202	increase	S100A8	ENSG00000143546	15982314;
C002202	increase	S100A9	ENSG00000163220	15982314;
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C002202	increase	SOCS2	ENSG00000120833	15982314;
C002202	increase	TGFB1I1	ENSG00000140682	15982314;
C002202	increase	TGM2	ENSG00000198959	17034753;
C002202	increase	TMSB4X	ENSG00000205542	15982314;
C002385	increase	CASP3	ENSG00000164305	12880480;
C002385	increase	HMOX1	ENSG00000100292	8764571;
C002385	increase	ITPR1	ENSG00000150995	17241155;
C002385	increase	PARK2	ENSG00000185345	12880480;
C002385	increase	SNCA	ENSG00000145335	12880480;
C002669	decrease	CFB	ENSG00000243570	16921510;
C002669	decrease	FAS	ENSG00000026103	16024633;
C002669	decrease	FASLG	ENSG00000117560	16024633;
C002669	decrease	IFNA1	ENSG00000197919	16921510;
C002669	decrease	IL12B	ENSG00000113302	16921510;
C002669	decrease	IL1A	ENSG00000115008	16921510;
C002669	decrease	LTC4S	ENSG00000213316	12574384;
C002669	decrease	SAA1	ENSG00000173432	16921510;
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C002669	decrease	SELP	ENSG00000174175	16921510;
C002669	decrease	TLR5	ENSG00000187554	16921510;
C002669	decrease	TLR6	ENSG00000174130	16921510;
C002669	decrease	VCAM1	ENSG00000162692	16921510;

C002669	increase	BAK1	ENSG00000030110	16024633;
C002669	increase	BAX	ENSG00000087088	16024633;
C002669	increase	DDIT3	ENSG00000175197	11360202;
C002669	increase	FGF2	ENSG00000138685	16921510;
C002669	increase	IL8	ENSG00000169429	18413660;
C002669	increase	MAPK8	ENSG00000107643	16921510;
C002669	increase	MAPK9	ENSG00000050748	16921510;
C002669	increase	TP53	ENSG00000141510	16024633;
C002669	increase	TRADD	ENSG00000102871	16921510;
C002669	increase	TRAF1	ENSG00000056558	16921510;
C002669	increase	TRAF2	ENSG00000127191	16921510;
C002669	increase	VEGFA	ENSG00000112715	16921510;
C002842	increase	CYP3A4	ENSG00000160868	19249324;
C002963	increase	PON1	ENSG00000005421	15690306;14500290;
C002979	decrease	ABCC1	ENSG00000103222	15897249;
C002979	decrease	BCL2	ENSG00000171791	19360359;
C002979	decrease	CCND1	ENSG00000110092	18855134;
C002979	decrease	COL1A1	ENSG00000108821	18514395;
C002979	decrease	COL1A2	ENSG00000164692	18514395;
C002979	decrease	COL7A1	ENSG00000114270	18514395;
C002979	decrease	DRG1	ENSG00000185721	15897249;
C002979	decrease	ESR1	ENSG000000091831	18855134;
C002979	decrease	MKI67	ENSG00000148773	18855134;
C002979	decrease	PGR	ENSG00000082175	18855134;
C002979	decrease	SNAP23	ENSG00000092531	18514395;
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C002979	increase	CES1	ENSG00000198848	15897249;
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C002979	increase	COL4A5	ENSG00000188153	18514395;
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C002979	increase	CYP3A5	ENSG00000106258	15897249;
C002979	increase	FASLG	ENSG00000117560	15897249;
C002979	increase	GRIK1	ENSG00000171189	18514395;
C002979	increase	GRIK3	ENSG00000163873	18514395;
C002979	increase	IGF1R	ENSG00000140443	18514395;
C002979	increase	P4HA1	ENSG00000122884	18514395;
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C002979	increase	SCARB1	ENSG00000073060	18514395;
C002979	increase	SORT1	ENSG00000134243	18514395;
C003001	increase	AHR	ENSG00000106546	16480812;
C003001	increase	NOS2	ENSG00000007171	12085989;
C003001	increase	PON1	ENSG00000005421	15169886;15458977;
C003001	increase	TGM2	ENSG00000198959	16480812;
C003060	decrease	IL6	ENSG00000136244	15319175;
C003135	affect	ARL6IP5	ENSG00000144746	15799245;
C003243	increase	CCL2	ENSG00000108691	17655880;
C003297	decrease	APOA1	ENSG00000118137	16153628;
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C003377	decrease	CYP2E1	ENSG00000130649	17541156;

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C003377	decrease	FGF18	ENSG00000156427	17541156;
C003377	decrease	FGF3	ENSG00000186895	17541156;
C003377	decrease	JUN	ENSG00000177606	17541156;
C003377	decrease	PDGFB	ENSG00000100311	17541156;
C003377	decrease	RASA1	ENSG00000145715	17541156;
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C003377	increase	GAS6	ENSG00000248501	17541156;
C003377	increase	GDF15	ENSG00000130513	17541156;
C003377	increase	GSTM1	ENSG00000134184	17541156;
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C003377	increase	ICAM1	ENSG00000090339	12044887;19103272;
C003377	increase	IFNG	ENSG00000111537	12044887;19103272;
C003377	increase	NFE2L2	ENSG00000116044	16799064;
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C003377	increase	XPA	ENSG00000136936	17541156;
C003377	increase	XRCC4	ENSG00000152422	17541156;
C003585	decrease	LDLR	ENSG00000130164	16142410;
C003585	increase	ABCA1	ENSG00000165029	16142410;16730733;
C003585	increase	ABCG1	ENSG00000160179	16730733;
C003585	increase	CETP	ENSG00000087237	16142410;
C003585	increase	LPL	ENSG00000175445	16142410;
C003853	increase	ICAM1	ENSG00000090339	12952965;
C003959	increase	IL8	ENSG00000169429	19162161;
C003959	increase	MSR1	ENSG00000038945	9614211;
C004369	decrease	ESR1	ENSG00000091831	12822488;
C004369	increase	PGR	ENSG00000082175	12822488;
C004479	decrease	CFTR	ENSG00000001626	19061877;
C004479	decrease	PLAT	ENSG00000104368	10856522;
C004479	increase	CYP2B6	ENSG00000197408	18206661;
C004479	increase	LPA	ENSG00000198670	10856522;
C004479	increase	SERPINE1	ENSG00000106366	10856522;
C004532	increase	CCL11	ENSG00000172156	17572062;
C004532	increase	CCL2	ENSG00000108691	17572062;
C004532	increase	CCL3	ENSG00000006075	17572062;
C004532	increase	CCL4	ENSG00000129277	17572062;
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C004532	increase	CDKN1A	ENSG00000124762	14976336;
C004532	increase	IL10	ENSG00000136634	17572062;
C004532	increase	IL6	ENSG00000136244	17572062;
C004532	increase	IL8	ENSG00000169429	17572062;
C004532	increase	MYB	ENSG00000118513	18778717;
C004532	increase	NQO1	ENSG00000181019	8652659;
C004532	increase	TOP2A	ENSG00000131747	18778717;15935817;16906772;11468185;15833037;
C004541	decrease	AGRN	ENSG00000188157	12111696;
C004541	decrease	ALDH7A1	ENSG00000164904	12111696;
C004541	decrease	C18ORF1	ENSG00000168675	12111696;
C004541	decrease	C9ORF86	ENSG00000196642	12111696;
C004541	decrease	CDH2	ENSG00000170558	12111696;
C004541	decrease	CDKN1A	ENSG00000124762	12111696;
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C004541	decrease	DERA	ENSG00000023697	12111696;
C004541	decrease	EIF5	ENSG00000100664	12111696;
C004541	decrease	ENPP5	ENSG00000112796	12111696;
C004541	decrease	EPS15	ENSG00000085832	12111696;
C004541	decrease	FOLR1	ENSG00000110195	12111696;
C004541	decrease	GM2A	ENSG00000196743	12111696;
C004541	decrease	GNAI3	ENSG00000065135	12111696;
C004541	decrease	MMP14	ENSG00000157227	16598420;
C004541	decrease	NDUFA5	ENSG00000128609	12111696;
C004541	decrease	NONO	ENSG00000147140	12111696;
C004541	decrease	PFDN5	ENSG00000123349	12111696;
C004541	decrease	PLAUR	ENSG00000011422	16598420;
C004541	decrease	RELA	ENSG00000173039	12111696;
C004541	decrease	RIF1	ENSG00000080345	12111696;
C004541	decrease	RPUSD3	ENSG00000156990	12111696;
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C004648	affect	RAPGEF2	ENSG00000109756	17440010;
C004648	affect	RBBP5	ENSG00000117222	17440010;
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C004648	affect	RBM41	ENSG00000089682	17440010;
C004648	affect	RGN	ENSG00000130988	17440010;
C004648	affect	RHOBTB3	ENSG00000164292	17440010;
C004648	affect	RNGTT	ENSG00000111880	17440010;
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C004648	affect	SEC23B	ENSG00000101310	17440010;
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C004648	affect	SFRS6	ENSG00000124193	17440010;
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C004742	decrease	ADD2	ENSG00000075340	16963248;
C004742	decrease	ARHGDIA	ENSG00000141522	15757668;
C004742	decrease	ATP6V0A2	ENSG00000185344	16963248;
C004742	decrease	COMT	ENSG00000093010	18192686;18497090;
C004742	decrease	CRP	ENSG00000132693	16332659;
C004742	decrease	CYP19A1	ENSG00000137869	16965912;16023337;
C004742	decrease	CYP1A1	ENSG00000140465	18497090;
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C004742	decrease	STC1	ENSG00000159167	16963248;
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C004742	decrease	TNFAIP6	ENSG00000123610	16963248;
C004742	decrease	TP53I11	ENSG00000175274	15757668;
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C004742	increase	COX7A2L	ENSG00000115944	17266178;
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C004809	decrease	CCR5	ENSG00000160791	11994442;
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C004809	increase	IFNG	ENSG00000111537	15879110;
C004809	increase	IL2RA	ENSG00000134460	15879110;
C004809	increase	VDR	ENSG00000111424	15879110;
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C004934	increase	PPARG	ENSG00000132170	15961301;
C004934	increase	TP53	ENSG00000141510	15961301;
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C004999	increase	BACE1	ENSG00000186318	18583042;
C004999	increase	CDKN1A	ENSG00000124762	15486966;
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C005266	increase	CYP2A13	ENSG00000197838	18214805;
C005273	increase	CYP1A1	ENSG00000140465	11454723;
C005273	increase	PON1	ENSG00000005421	15169886;
C005290	increase	TFF1	ENSG00000160182	16183391;
C005406	decrease	HSP90B1	ENSG00000166598	16884889;
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C005406	decrease	HSPB1	ENSG00000106211	16884889;
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C005460	affect	ACAT2	ENSG00000120437	15672453;
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C005460	affect	ACTR2	ENSG00000138071	15672453;
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C005460	affect	AKAP1	ENSG00000121057	15672453;
C005460	affect	AKR1C3	ENSG00000196139	15672453;
C005460	affect	APBB1	ENSG00000166313	15672453;
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C005926	decrease	BID	ENSG00000015475	16019850;
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C005975	decrease	STAT2	ENSG00000170581	16797527;
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C006012	increase	UGT1A1	ENSG00000241635	15771232;
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C006552	decrease	CDKN2C	ENSG00000123080	18331776;
C006552	decrease	CRP	ENSG00000132693	17184768;
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C006632	decrease	CFLAR	ENSG00000003402	16105982;16174796;
C006632	decrease	CIDEB	ENSG00000136305	17547211;
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C006632	decrease	CRH	ENSG00000147571	15761015;
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C006632	decrease	KLF11	ENSG00000172059	15761015;
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C006632	decrease	PRKCB	ENSG00000166501	15725085;
C006632	decrease	PSMB8	ENSG00000226201	15725085;
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C006632	decrease	ZNF334	ENSG00000198185	15761015;
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C006632	increase	ACAA2	ENSG00000167315	15761015;
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C006632	increase	AKAP12	ENSG00000131016	17547211;
C006632	increase	ALAS1	ENSG00000023330	15725085;
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				622746;16882451;1602067
				1;17258074;11135700;
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				16867262;11775218;16904
				648;16007134;16818652;16
				010437;15979894;1602959
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				0464;16105982;12845720;1
				1589617;12490120;169662
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C006632	increase	BPI	ENSG00000101425	15761015;
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C006632	increase	CEP57	ENSG00000166037	14703492;
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C006632	increase	GLA	ENSG00000102393	17547211;
C006632	increase	GNAL	ENSG00000141404	15761015;
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C006632	increase	GPR44	ENSG00000183134	15761015;
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C006632	increase	GSR	ENSG00000104687	17258074;
C006632	increase	GSTA1	ENSG00000243955	11678611;
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C006632	increase	HTATIP2	ENSG00000109854	15761015;
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C006632	increase	IRF1	ENSG00000125347	14668793;16914093;
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C006632	increase	ITGB3BP	ENSG00000142856	17547211;
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C006632	increase	KRT6A	ENSG00000205420	15949261;
C006632	increase	KYNU	ENSG00000115919	15761015;
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C006632	increase	MAP2K4	ENSG00000065559	15978632;
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C006632	increase	TP53AIP1	ENSG00000120471	15031205;16467208;
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C006632	increase	TTC38	ENSG00000075234	15761015;
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C006632	increase	UBE2D1	ENSG00000072401	15761015;
C006632	increase	UCHL1	ENSG00000154277	15725085;
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C006632	increase	WDR12	ENSG00000138442	15725085;
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C006680	decrease	NAT1	ENSG00000171428	15796204;
C006680	decrease	VEGFA	ENSG00000112715	16638750;

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C006680	increase	CYP1B1	ENSG00000138061	12224597;
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C006703	increase	CYP1B1	ENSG00000138061	15566942;
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C006780	increase	UBE2T	ENSG00000077152	16474171;
C006780	increase	UHRF1	ENSG00000034063	16474171;
C006780	increase	UNG	ENSG00000076248	16474171;
C006780	increase	ZNF703	ENSG00000183779	16474171;

C006780	increase	ZWINT	ENSG00000122952	16474171;
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C006821	decrease	IL5	ENSG00000113525	15454121;
C006821	increase	IFNG	ENSG00000111537	15454121;
C006862	decrease	FAS	ENSG00000026103	15816839;
C006862	increase	ADORA2B	ENSG00000170425	10571726;
C006862	increase	LRP1	ENSG00000123384	15816839;
C006862	increase	RPL24	ENSG00000114391	10571726;
C006862	increase	TNFRSF10A	ENSG00000104689	15816839;
C006862	increase	TNFRSF10B	ENSG00000120889	15816839;
C006862	increase	TNFRSF1A	ENSG00000067182	15816839;
C006862	increase	TNFRSF1B	ENSG00000028137	15816839;
C006862	increase	TYRP1	ENSG00000107165	15816839;
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C006923	increase	RHOB	ENSG00000143878	12671036;
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C007164	increase	GAPDH	ENSG00000111640	11295360;
C007164	increase	HSPB1	ENSG00000106211	11295360;
C007164	increase	PRDX1	ENSG00000117450	11295360;
C007164	increase	PRDX2	ENSG00000167815	11295360;
C007164	increase	PRDX6	ENSG00000117592	11295360;
C007262	affect	IL2	ENSG00000109471	17166736;
C007262	decrease	BCL2	ENSG00000171791	17166419;
C007262	decrease	TAP1	ENSG00000230705	15766417;
C007262	increase	ASCL2	ENSG00000183734	19438726;
C007262	increase	ATF3	ENSG00000162772	19101521;19360757;
C007262	increase	BAX	ENSG00000087088	17166419;
C007262	increase	CASP3	ENSG00000164305	17166419;
C007262	increase	CD14	ENSG00000170458	19549553;
C007262	increase	CDKN1A	ENSG00000124762	18006205;
C007262	increase	EGR1	ENSG00000120738	18485432;17707346;19360757;
C007262	increase	EIF2AK2	ENSG00000055332	18599499;
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C007262	increase	FOS	ENSG00000170345	19360757;
C007262	increase	HOXA7	ENSG00000122592	19438726;
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C007262	increase	IFNG	ENSG00000111537	17166736;19549553;
C007262	increase	IFNGR1	ENSG00000027697	19549553;
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C007262	increase	IL6	ENSG00000136244	16364386;
C007262	increase	IL8	ENSG00000169429	18485432;18599499;20181660;18308354;19591856;17636245;16364386;17707346;17166736;
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C007262	increase	MAPK3	ENSG00000102882	18485432;17707346;19360757;18006205;
C007262	increase	MLL	ENSG00000118058	19438726;
C007262	increase	PPARG	ENSG00000132170	18485432;
C007262	increase	RBBP5	ENSG00000117222	19438726;
C007262	increase	RELA	ENSG00000173039	18599499;17636245;

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C007350	decrease	NKX2-1	ENSG00000136352	15083329;16490937;10370019;
C007350	decrease	PCNA	ENSG00000132646	17439724;
C007350	decrease	SFTPB	ENSG00000168878	16490937;15083329;
C007366	increase	TP53	ENSG00000141510	14998682;
C007379	increase	CYP1B1	ENSG00000138061	16040568;
C007482	decrease	DNMT1	ENSG00000130816	11912126;
C007517	decrease	ADIPOQ	ENSG00000181092	17668557;
C007517	decrease	LEP	ENSG00000174697	17668557;
C007517	increase	CCL2	ENSG00000108691	17668557;16600694;14576080;
C007517	increase	CDKN1A	ENSG00000124762	15978937;
C007517	increase	IL6	ENSG00000136244	17668557;11950692;
C007517	increase	IL8	ENSG00000169429	12208513;
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C007517	increase	PTGS2	ENSG00000073756	19804834;
C007517	increase	TNF	ENSG00000223952	14576080;
C007567	increase	CGB	ENSG00000213030	15941851;
C007567	increase	CYP19A1	ENSG00000137869	15941851;
C007567	increase	HSD17B1	ENSG00000108786	16513093;
C007567	increase	RXRA	ENSG00000186350	15941851;
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C007610	decrease	CCNB2	ENSG00000157456	16865672;
C007610	decrease	CDC25B	ENSG00000101224	16865672;
C007610	decrease	CDC25C	ENSG00000158402	16865672;
C007610	decrease	CHEK1	ENSG00000149554	16865672;
C007610	decrease	DBF4	ENSG00000006634	16865672;
C007610	decrease	DUSP4	ENSG00000120875	16865672;
C007610	decrease	IGF1R	ENSG00000140443	16865672;
C007610	decrease	KLK3	ENSG00000142515	16865672;
C007610	decrease	MCM4	ENSG00000104738	16865672;
C007610	decrease	NKX3-1	ENSG00000167034	16865672;
C007610	decrease	PRIM2	ENSG00000146143	16865672;
C007610	decrease	STK39	ENSG00000198648	16865672;
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C007610	increase	ME1	ENSG00000065833	16865672;
C007610	increase	PTGS2	ENSG00000073756	16870006;
C007610	increase	TFF1	ENSG00000160182	16965913;
C007610	increase	UGT2B15	ENSG00000196620	16865672;
C007610	increase	UGT2B17	ENSG00000197888	16865672;
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C007628	decrease	BCL2L1	ENSG00000171552	16051289;
C007628	decrease	MAPK14	ENSG00000112062	16051289;
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C007628	decrease	MAPK3	ENSG00000102882	16051289;
C007628	increase	BAX	ENSG00000087088	16051289;
C007628	increase	FAS	ENSG00000026103	16051289;
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C007628	increase	MAPK8	ENSG00000107643	16051289;
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C007650	increase	CSF2	ENSG00000164400	11306435;
C007789	decrease	BIRC2	ENSG00000110330	16201850;
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C007789	decrease	CCL5	ENSG00000161570	16201850;
C007789	decrease	CCND2	ENSG00000118971	16201850;
C007789	decrease	MYC	ENSG00000136997	16201850;
C007789	decrease	RB1	ENSG00000139687	16201850;
C007836	decrease	TK1	ENSG00000167900	15374632;
C007836	decrease	TYMS	ENSG00000176890	15374632;
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C007845	affect	PRKCE	ENSG00000171132	18058799;
C007845	affect	PTGS2	ENSG00000073756	17454143;
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C007845	decrease	CDK4	ENSG00000135446	18058799;
C007845	decrease	MMP2	ENSG00000087245	17683926;
C007845	decrease	MMP9	ENSG00000100985	17683926;
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C007845	increase	BAX	ENSG00000087088	18030663;19481070;
C007845	increase	BCL2	ENSG00000171791	18030663;19481070;
C007845	increase	BIRC5	ENSG00000089685	18030663;
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C007845	increase	CASP9	ENSG00000132906	18030663;19481070;
C007845	increase	DUSP10	ENSG00000143507	17151092;
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C007845	increase	TP53	ENSG00000141510	18030663;
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C008261	decrease	CKM	ENSG00000104879	12634122;
C008261	decrease	CXCR4	ENSG00000121966	12634122;
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C008461	affect	TP53	ENSG00000141510	19513903;
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C008461	increase	IL2	ENSG00000109471	19295137;
C008461	increase	IL4	ENSG00000113520	19295137;
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C008480	increase	MDM2	ENSG00000135679	18418871;
C008480	increase	TP53	ENSG00000141510	18418871;
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C008493	affect	CLU	ENSG00000120885	14617803;
C008493	affect	CREB3L4	ENSG00000143578	14617803;
C008493	affect	DNAJB9	ENSG00000128590	14617803;
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C008493	affect	PGR	ENSG00000082175	16928829;
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C008493	affect	VDR	ENSG00000111424	16928829;
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C008493	decrease	CAPZA1	ENSG00000116489	18548127;
C008493	decrease	CCNA2	ENSG00000145386	12517777;
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C008493	decrease	CREB3L1	ENSG00000157613	18548127;
C008493	decrease	DCI	ENSG00000167969	18548127;
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C008493	decrease	DHCR24	ENSG00000116133	16020662;18548127;
C008493	decrease	DHFR	ENSG00000228716	12517777;
C008493	decrease	DKC1	ENSG00000130826	18548127;
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C008493	decrease	IFRD2	ENSG00000214706	18548127;
C008493	decrease	ITGB3BP	ENSG00000142856	12517777;
C008493	decrease	ITGB4	ENSG00000132470	12517777;
C008493	decrease	ITGB5	ENSG00000082781	12517777;
C008493	decrease	JUNB	ENSG00000171223	12517777;
C008493	decrease	JUN	ENSG00000177606	11830524;
C008493	decrease	KDEL2	ENSG00000136240	18548127;
C008493	decrease	KIF11	ENSG00000138160	12517777;
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C008954	increase	CYP11B2	ENSG00000179142	16650473;
C008958	increase	CRP	ENSG00000132693	15855670;
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C009277	decrease	IVL	ENSG00000163207	12727804;11485391;
C009277	decrease	KRT10	ENSG00000186395	12727804;
C009277	decrease	LGALS7	ENSG00000178934	12727804;
C009277	decrease	MED21	ENSG00000152944	12727804;
C009277	decrease	NRIP1	ENSG00000180530	12727804;
C009277	decrease	PLA2G16	ENSG00000176485	12727804;
C009277	decrease	POLR2E	ENSG00000099817	12727804;
C009277	decrease	PSCA	ENSG00000167653	12727804;
C009277	decrease	PSMB8	ENSG00000226201	12727804;
C009277	decrease	RARRES3	ENSG00000133321	12727804;
C009277	decrease	SERPINB4	ENSG00000206073	12727804;
C009277	decrease	SPRR1A	ENSG00000169474	11485391;
C009277	decrease	SPRR1B	ENSG00000169469	11485391;
C009277	decrease	TNFAIP2	ENSG00000185215	12727804;

C009277	decrease	TP53I3	ENSG00000115129	12727804;
C009277	decrease	TRIM31	ENSG00000223531	12727804;
C009277	increase	ABCC2	ENSG00000023839	12727804;
C009277	increase	AKR1B1	ENSG00000085662	12727804;
C009277	increase	AKR1C1	ENSG00000187134	12727804;
C009277	increase	ASNS	ENSG00000070669	12727804;
C009277	increase	DDIT3	ENSG00000175197	12727804;
C009277	increase	EEF1A1	ENSG00000156508	12727804;
C009277	increase	EEF1A2	ENSG00000101210	12727804;
C009277	increase	FTH1	ENSG00000167996	12727804;
C009277	increase	FTL	ENSG00000087086	12727804;
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C009277	increase	HMOX1	ENSG00000100292	12727804;
C009277	increase	MLLT11	ENSG00000213190	12727804;
C009277	increase	NQO1	ENSG00000181019	12727804;
C009277	increase	PDGFA	ENSG00000197461	12727804;
C009277	increase	SPINK1	ENSG00000164266	12727804;
C009277	increase	SPRR2A	ENSG00000241794	12727804;
C009277	increase	TGM1	ENSG00000092295	11485391;
C009277	increase	TKT	ENSG00000163931	12727804;
C009277	increase	TRAP1	ENSG00000126602	12727804;
C009277	increase	TRIM16	ENSG00000221926	12727804;
C009277	increase	UPP1	ENSG00000183696	12727804;
C009424	decrease	AR	ENSG00000169083	16621434;12711008;
C009424	decrease	FOLH1	ENSG00000086205	12711008;
C009424	decrease	NKX3-1	ENSG00000167034	12711008;
C009424	increase	KLK3	ENSG00000142515	12711008;
C009424	increase	TMPRSS2	ENSG00000184012	12711008;
C009438	decrease	BCL2	ENSG00000171791	18495333;
C009438	decrease	BIRC5	ENSG00000089685	18495333;
C009687	affect	ERBB2	ENSG00000141736	16488535;
C009687	affect	FGF2	ENSG00000138685	16289960;
C009687	affect	FN1	ENSG00000115414	11343241;
C009687	affect	IL6	ENSG00000136244	11410519;
C009687	affect	KLK3	ENSG00000142515	11410519;
C009687	affect	NFKBIA	ENSG00000100906	15571967;17935137;
C009687	affect	NRP1	ENSG00000099250	16289960;
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C009687	decrease	C5	ENSG00000106804	16116186;
C009687	decrease	CTNNB1	ENSG00000168036	11739494;
C009687	decrease	IL12A	ENSG00000168811	16116186;
C009687	decrease	IL12B	ENSG00000113302	16116186;
C009687	decrease	IL23A	ENSG00000110944	16116186;
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C009687	increase	BIRC3	ENSG00000023445	16154993;19596284;
C009687	increase	CDKN1B	ENSG00000111276	17935137;
C009687	increase	COL1A2	ENSG00000164692	11343241;
C009687	increase	DDIT3	ENSG00000175197	17171638;
C009687	increase	FGF7	ENSG00000140285	15803460;
C009687	increase	H2AFX	ENSG00000188486	17991895;
C009687	increase	HIF1A	ENSG00000100644	16682453;12482858;15050414;18927491;11424089;14726529;

C009687	increase	HMOX1	ENSG00000100292	18048804;
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C009687	increase	HSPA5	ENSG00000044574	19428936;
C009687	increase	IL1B	ENSG00000125538	16359550;
C009687	increase	MCL1	ENSG00000143384	15970427;17935137;
C009687	increase	MMP12	ENSG00000110347	16359550;
C009687	increase	PDCD4	ENSG00000150593	17259349;
C009687	increase	PLAC1	ENSG00000170965	15803460;
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C009687	increase	TP53	ENSG00000141510	074;15489221;16024610;17
				534123;
				16682453;12482858;15050
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C009828	decrease	STAR	ENSG00000147465	16216300;
C009828	increase	CYP11A1	ENSG00000140459	16216300;
C009828	increase	CYP11B1	ENSG00000160882	16216300;
C009828	increase	CYP11B2	ENSG00000179142	16216300;
C009828	increase	CYP19A1	ENSG00000137869	16216300;
C009828	increase	CYP21A2	ENSG00000231852	16216300;
C009828	increase	HSD3B1	ENSG00000203857	16216300;
C009828	increase	HSD3B2	ENSG00000203859	16216300;
C009970	affect	RB1	ENSG00000139687	9586815;
C009970	increase	CDKN1A	ENSG00000124762	8943236;9586815;9343371;
C010160	increase	IL1B	ENSG00000125538	16641320;
C010160	increase	IL6	ENSG00000136244	9344885;
C010160	increase	IL8	ENSG00000169429	9344885;
C010160	increase	TNF	ENSG00000223952	9344885;
C010210	increase	EDN1	ENSG00000078401	16895544;
C010238	affect	ITPR1	ENSG00000150995	17241155;
C010238	decrease	HAMP	ENSG00000105697	16737972;
C010238	decrease	OPRK1	ENSG00000082556	17934066;
C010238	decrease	PDYN	ENSG00000101327	17934066;
C010238	decrease	PENK	ENSG00000181195	17934066;
C010238	decrease	POMC	ENSG00000115138	17934066;
C010238	increase	CYP2E1	ENSG00000130649	8531136;9143349;1884523
				8;8074729;
C010327	decrease	ACOT13	ENSG00000112304	19682730;
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C010327	decrease	AEBP1	ENSG00000106624	19682730;
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C010327	decrease	AIDA	ENSG00000186063	19682730;
C010327	decrease	AIMP2	ENSG00000106305	19682730;
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C010327	decrease	AMMECR1	ENSG00000101935	19682730;
C010327	decrease	ANKRD13C	ENSG00000118454	19682730;
C010327	decrease	ANXA5	ENSG00000164111	19682730;
C010327	decrease	ARF3	ENSG00000134287	19682730;
C010327	decrease	ARPC5	ENSG00000162704	19682730;
C010327	decrease	ATIC	ENSG00000138363	19682730;
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C010327	decrease	ATXN3	ENSG00000066427	19682730;
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C010327	decrease	C17ORF71	ENSG00000167447	19682730;
C010327	decrease	C1ORF163	ENSG00000162377	19682730;
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C010327	decrease	C7ORF25	ENSG00000136197	19682730;
C010327	decrease	C7ORF36	ENSG00000241127	19682730;
C010327	decrease	C9ORF64	ENSG00000165118	19682730;
C010327	decrease	CALD1	ENSG00000122786	19682730;
C010327	decrease	CASP8	ENSG00000064012	19682730;
C010327	decrease	CCDC43	ENSG00000180329	19682730;
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C010327	decrease	CDC123	ENSG00000151465	19682730;
C010327	decrease	CEP350	ENSG00000135837	19682730;
C010327	decrease	CLEC11A	ENSG00000105472	19682730;
C010327	decrease	CLIC1	ENSG00000226417	19682730;
C010327	decrease	CLTC	ENSG00000141367	19682730;
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C010327	decrease	COPB2	ENSG00000184432	19682730;
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C010327	decrease	CSTF1	ENSG00000101138	19682730;
C010327	decrease	CTBS	ENSG00000117151	19682730;
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C010327	decrease	DCAF7	ENSG00000136485	19682730;
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C010327	decrease	DCUN1D4	ENSG00000109184	19682730;
C010327	decrease	DNAJC13	ENSG00000138246	19682730;
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C010327	decrease	GAP43	ENSG00000172020	19682730;
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C010327	decrease	GHR	ENSG00000112964	19682730;
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C010327	decrease	GNPDA1	ENSG00000113552	19682730;
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C010327	decrease	GPNMB	ENSG00000136235	19682730;
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C010327	decrease	GTF3C3	ENSG00000119041	19682730;
C010327	decrease	HIF1A	ENSG00000100644	19682730;
C010327	decrease	HS2ST1	ENSG00000153936	19682730;
C010327	decrease	ICMT	ENSG00000116237	19682730;
C010327	decrease	IGF2R	ENSG00000197081	19682730;
C010327	decrease	IGFBP4	ENSG00000141753	19682730;
C010327	decrease	IGFBP7	ENSG00000163453	19682730;
C010327	decrease	INTS2	ENSG00000108506	19682730;
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C010327	decrease	KDELR2	ENSG00000136240	19682730;
C010327	decrease	KDELR3	ENSG00000100196	19682730;
C010327	decrease	KLHL20	ENSG00000076321	19682730;
C010327	decrease	LARP1	ENSG00000155506	19682730;
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C010327	decrease	LPIN2	ENSG00000101577	19682730;
C010327	decrease	MAPK14	ENSG00000112062	19682730;
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C010327	decrease	MMP10	ENSG00000166670	19682730;
C010327	decrease	MMP14	ENSG00000157227	19682730;
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C010327	decrease	NUCKS1	ENSG00000069275	19682730;
C010327	decrease	NUDT5	ENSG00000165609	19682730;
C010327	decrease	NUP37	ENSG00000075188	19682730;
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C010327	decrease	PLOD2	ENSG00000152952	19682730;
C010327	decrease	PLP2	ENSG00000102007	19682730;
C010327	decrease	PNKD	ENSG00000127838	19682730;
C010327	decrease	PPPDE1	ENSG00000121644	19682730;
C010327	decrease	PREPL	ENSG00000138078	19682730;
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C010327	decrease	PSMB7	ENSG00000136930	19682730;
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C010327	decrease	RAB23	ENSG00000112210	19682730;

C010327	decrease	RAD23B	ENSG00000119318	19682730;
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C010327	decrease	SCNM1	ENSG00000163156	19682730;
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C010327	decrease	SETD5	ENSG00000168137	19682730;
C010327	decrease	SKIV2L2	ENSG00000039123	19682730;
C010327	decrease	SLC38A9	ENSG00000177058	19682730;
C010327	decrease	SNRNP25	ENSG00000161981	19682730;
C010327	decrease	SNX6	ENSG00000129515	19682730;
C010327	decrease	SPATS2L	ENSG00000196141	19682730;
C010327	decrease	SPP1	ENSG00000118785	19682730;
C010327	decrease	SRP54	ENSG00000100883	19682730;
C010327	decrease	SSR1	ENSG00000124783	19682730;
C010327	decrease	STAM	ENSG00000136738	19682730;
C010327	decrease	STAU1	ENSG00000124214	19682730;
C010327	decrease	STK39	ENSG00000198648	19682730;
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C010327	decrease	TICAM2	ENSG00000243414	19682730;
C010327	decrease	TIMP3	ENSG00000100234	19682730;
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C010327	decrease	TUBB3	ENSG00000198211	19682730;
C010327	decrease	TUBB	ENSG00000229684	19682730;
C010327	decrease	UBE2F	ENSG00000184182	19682730;
C010327	decrease	UBE2S	ENSG00000108106	19682730;
C010327	decrease	UHRF1BP1	ENSG00000065060	19682730;
C010327	decrease	VOPP1	ENSG00000154978	19682730;
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C010327	decrease	XPNPEP1	ENSG00000108039	19682730;
C010327	decrease	XPR1	ENSG00000143324	19682730;
C010327	decrease	ZMAT3	ENSG00000172667	19682730;
C010327	decrease	ZYG11B	ENSG00000162378	19682730;
C010643	decrease	ABCA1	ENSG00000165029	17070507;
C010643	decrease	FLT1	ENSG00000102755	17992120;
C010643	decrease	KDR	ENSG00000128052	17992120;
C010643	increase	ACTA2	ENSG00000107796	16757516;
C010643	increase	FN1	ENSG00000115414	15086456;
C010643	increase	HGF	ENSG00000019991	16757516;
C010643	increase	IL6	ENSG00000136244	16757516;
C010643	increase	MMP1	ENSG00000196611	10836612;
C010643	increase	PGK1	ENSG00000102144	18603805;
C010643	increase	PON2	ENSG00000105854	17916643;
C010643	increase	TGFB1	ENSG00000105329	16757516;
C010680	affect	MUT	ENSG00000146085	19427250;
C010715	increase	SLC5A5	ENSG00000105641	16257484;
C010722	decrease	EDN1	ENSG00000078401	12536650;
C010722	decrease	TNFSF11	ENSG00000120659	16114553;
C010722	increase	CALCA	ENSG00000110680	12536650;
C010722	increase	TNFRSF11B	ENSG00000164761	16114553;
C010809	increase	PER1	ENSG00000179094	17364588;
C010920	decrease	IGF1R	ENSG00000140443	16728583;
C010953	increase	BNIP3	ENSG00000176171	12460908;
C010953	increase	EPAS1	ENSG00000116016	12460908;

C010953	increase	HIF1A	ENSG00000100644	12460908;
C010953	increase	VEGFA	ENSG00000112715	12460908;
C011157	decrease	BIRC2	ENSG00000110330	15498119;
C011157	decrease	BIRC3	ENSG00000023445	15498119;
C011164	decrease	DCT	ENSG00000080166	17473463;
C011164	decrease	NOS2	ENSG00000007171	12144868;
C011164	decrease	PTGS2	ENSG00000073756	12144868;
C011310	increase	IL1B	ENSG00000125538	12177049;
C011310	increase	SERPINB9	ENSG00000170542	10681578;12177049;14617632;
C011310	increase	TFF1	ENSG00000160182	14617632;
C011512	increase	CYP1A1	ENSG00000140465	9169082;15385644;15893423;15276085;15766918;15698582;
C011521	increase	CYP1A2	ENSG00000140505	14709624;
C011559	increase	CGB	ENSG00000213030	15941851;19497422;
C011559	increase	CYP19A1	ENSG00000137869	15941851;11751016;11522339;16996190;
C011559	increase	HSD17B1	ENSG00000108786	16513093;
C011559	increase	RXRA	ENSG00000186350	15941851;
C011585	decrease	MAPT	ENSG00000186868	16930453;
C011585	increase	FKBP5	ENSG00000096060	19255438;
C011890	decrease	ABCA13	ENSG00000179869	16595896;
C011890	decrease	ACMSD	ENSG00000153086	16595896;
C011890	decrease	ACVRL1	ENSG00000139567	16595896;
C011890	decrease	ADAM20	ENSG00000134007	16595896;
C011890	decrease	ADRB3	ENSG00000188778	16595896;
C011890	decrease	AGBL4	ENSG00000186094	16595896;
C011890	decrease	AHNAK	ENSG00000124942	16595896;
C011890	decrease	AKT1	ENSG00000142208	16595896;
C011890	decrease	ALPI	ENSG00000163295	16595896;
C011890	decrease	AMAC1L2	ENSG00000177710	16595896;
C011890	decrease	AMTN	ENSG00000187689	16595896;
C011890	decrease	ANXA1	ENSG00000135046	16595896;
C011890	decrease	AP1S1	ENSG00000106367	16595896;
C011890	decrease	APOBEC1	ENSG00000111701	16595896;
C011890	decrease	APTX	ENSG00000137074	16595896;
C011890	decrease	ARFIP2	ENSG00000132254	16595896;
C011890	decrease	ARHGEF16	ENSG00000130762	16595896;
C011890	decrease	ASAM	ENSG00000166250	16595896;
C011890	decrease	ASNSD1	ENSG00000138381	16595896;
C011890	decrease	ATF6B	ENSG00000228628	16595896;
C011890	decrease	B4GALNT4	ENSG00000182272	16595896;
C011890	decrease	BAG5	ENSG00000166170	16595896;
C011890	decrease	BIRC2	ENSG00000110330	16595896;
C011890	decrease	BMP5	ENSG00000112175	16595896;
C011890	decrease	BRSK1	ENSG00000160469	16595896;
C011890	decrease	BST2	ENSG00000130303	16595896;
C011890	decrease	C12ORF4	ENSG00000047621	16595896;
C011890	decrease	C1ORF131	ENSG00000143633	16595896;
C011890	decrease	C1ORF87	ENSG00000162598	16595896;
C011890	decrease	C20ORF165	ENSG00000149634	16595896;
C011890	decrease	C6ORF162	ENSG00000111850	16595896;
C011890	decrease	C9ORF167	ENSG00000198113	16595896;

C011890	decrease	CCDC144A	ENSG00000170160	16595896;
C011890	decrease	CCPG1	ENSG00000214882	16595896;
C011890	decrease	CCR4	ENSG00000183813	16595896;
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C011978	decrease	NKX3-1	ENSG00000167034	12711008;
C011978	decrease	PMEPA1	ENSG00000124225	12711008;
C011978	increase	AR	ENSG00000169083	12711008;
C011978	increase	FOLH1	ENSG00000086205	12711008;
C011994	decrease	ESR1	ENSG00000091831	15261991;
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C011994	decrease	HSPA8	ENSG00000109971	16271832;
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C012258	increase	CYP3A4	ENSG00000160868	15466163;
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C012589	affect	APOD	ENSG00000189058	16865689;
C012589	affect	ARHGAP27	ENSG00000159314	18803327;
C012589	affect	ARHGEF16	ENSG00000130762	18803327;
C012589	affect	ATP1B2	ENSG00000129244	16865689;
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C012589	affect	CASP8	ENSG00000064012	15781658;18819746;
C012589	affect	CD44	ENSG00000026508	18538736;
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C012589	affect	DNMT3B	ENSG00000088305	18544619;
C012589	affect	DVL2	ENSG00000004975	18538736;
C012589	affect	ENC1	ENSG00000171617	18803327;
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C012589	affect	FHIT	ENSG00000189283	17019711;
C012589	affect	GPX7	ENSG00000116157	18664505;
C012589	affect	GSTM2	ENSG00000213366	18664505;
C012589	affect	HHEX	ENSG00000152804	16854221;
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C012589	affect	LEF1	ENSG00000138795	18538736;
C012589	affect	LRRC3B	ENSG00000179796	18757430;
C012589	affect	POU5F1	ENSG00000235068	18440631;
C012589	affect	PPP1R14C	ENSG00000198729	18803327;
C012589	affect	PPP1R3C	ENSG00000119938	18803327;
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C012589	affect	RARRES1	ENSG00000118849	18803327;
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C012589	affect	S1PR3	ENSG00000213694	17189669;
C012589	affect	SSTR5	ENSG00000162009	18575731;
C012589	affect	TERT	ENSG00000164362	16051188;
C012589	affect	TFPI2	ENSG00000105825	17464989;
C012589	affect	TP53INP1	ENSG00000164938	18803327;
C012589	affect	UCHL1	ENSG00000154277	18666234;
C012589	affect	WWOX	ENSG00000186153	17019711;
C012589	affect	ZMYND10	ENSG00000004838	18819746;
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C012589	decrease	ABCC3	ENSG00000108846	10691972;
C012589	decrease	AZI2	ENSG00000163512	17891453;
C012589	decrease	BAK1	ENSG00000030110	15781658;16009488;
C012589	decrease	BCL2	ENSG00000171791	16009488;16010430;

C012589	decrease	BCL2L1	ENSG00000171552	15781649;16009488;
C012589	decrease	CCNA1	ENSG00000133101	17698632;
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C012589	decrease	CCNB1	ENSG00000134057	16009488;
C012589	decrease	CCND1	ENSG00000110092	18538736;17431121;15179185;
C012589	decrease	CDH11	ENSG00000140937	18025290;
C012589	decrease	CLIC1	ENSG00000226417	19294695;
C012589	decrease	DCT	ENSG00000080166	15892717;
C012589	decrease	DVL1	ENSG00000107404	17891453;
C012589	decrease	FOXA1	ENSG00000129514	17891453;
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C012589	decrease	GAPDH	ENSG00000111640	19294695;
C012589	decrease	GATA3	ENSG00000107485	17891453;
C012589	decrease	HDAC1	ENSG00000116478	18310117;15103026;15927959;15930892;
C012589	decrease	HDAC3	ENSG00000171720	15103026;15930892;18676679;
C012589	decrease	HNRNPA2B	ENSG00000122566	19294695;
C012589	decrease	HSP90AA1	ENSG00000080824	19294695;
C012589	decrease	HSPA9	ENSG00000113013	19294695;
C012589	decrease	KRT8	ENSG00000170421	19294695;
C012589	decrease	LETM1	ENSG00000168924	17891453;
C012589	decrease	MBD5	ENSG00000204406	17891453;
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C012589	decrease	MECP2	ENSG00000169057	17891453;18310117;17698632;
C012589	decrease	NOTCH1	ENSG00000148400	17185465;
C012589	decrease	PPIA	ENSG00000196262	19294695;
C012589	decrease	PSMB4	ENSG00000159377	19294695;
C012589	decrease	PTGS2	ENSG00000073756	16959971;16010430;
C012589	decrease	RB1	ENSG00000139687	18544619;15494029;15179185;
C012589	decrease	RPLP0	ENSG00000089157	19294695;
C012589	decrease	SOD3	ENSG00000109610	18310117;
C012589	decrease	TPM3	ENSG00000143549	19294695;
C012589	decrease	TPM4	ENSG00000167460	19294695;
C012589	decrease	TPT1	ENSG00000133112	19294695;
C012589	decrease	TYMS	ENSG00000176890	17172411;
C012589	increase	ABCC10	ENSG00000124574	12566991;
C012589	increase	ANXA2	ENSG00000182718	19294695;
C012589	increase	AR	ENSG00000169083	18092350;
C012589	increase	ATP5B	ENSG00000110955	19294695;
C012589	increase	AZGP1	ENSG00000160862	18978557;
C012589	increase	BAX	ENSG00000087088	15781658;16009488;16010430;
C012589	increase	BMI1	ENSG00000168283	17185465;
C012589	increase	CAGE1	ENSG00000164304	17891453;
C012589	increase	CASP3	ENSG00000164305	15781658;17019711;16009488;16010430;16865256;
C012589	increase	CASZ1	ENSG00000130940	17940511;
C012589	increase	CCND2	ENSG00000118971	16009488;
C012589	increase	CCND3	ENSG00000112576	15179185;
C012589	increase	CCNE1	ENSG00000105173	16009488;15179185;
C012589	increase	CDH1	ENSG00000039068	18584348;18025290;

C012589	increase	CDKN1A	ENSG00000124762	17230511;17431121;17185465;18544619;16043219;18223691;16865256;15179185;16009488;19234609;1605
C012589	increase	CDKN1B	ENSG00000111276	17431121;17185465;18544619;
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C012589	increase	CLDN3	ENSG00000165215	17986852;
C012589	increase	CLDN6	ENSG00000184697	18661270;
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C012589	increase	CLDN9	ENSG00000213937	18661270;
C012589	increase	CLU	ENSG00000120885	19234609;
C012589	increase	COX5B	ENSG00000135940	19294695;
C012589	increase	CST6	ENSG00000175315	19503093;
C012589	increase	CXCL12	ENSG00000107562	19289100;
C012589	increase	CXCR4	ENSG00000121966	17616702;
C012589	increase	CYP1A1	ENSG00000140465	15713371;
C012589	increase	CYP1B1	ENSG00000138061	15713371;
C012589	increase	DAPK1	ENSG00000196730	16865256;
C012589	increase	DAPK2	ENSG00000035664	16865256;
C012589	increase	DNMT1	ENSG00000130816	18310117;
C012589	increase	DUSP1	ENSG00000120129	11689710;
C012589	increase	EGR1	ENSG00000120738	17330857;18801729;
C012589	increase	EP300	ENSG00000100393	15647279;17330857;
C012589	increase	ERRFI1	ENSG00000116285	17940511;
C012589	increase	ESR1	ENSG00000091831	19458056;18264725;17891453;17533736;18092350;
C012589	increase	ESR2	ENSG00000140009	19331143;18092350;15103026;
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C012589	increase	GATA2	ENSG00000179348	17185465;
C012589	increase	GDF15	ENSG00000130513	18801729;
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C012589	increase	HOXA5	ENSG00000106004	17891453;
C012589	increase	HOXB4	ENSG00000182742	17185465;
C012589	increase	HPGD	ENSG00000164120	19584167;
C012589	increase	IKZF3	ENSG00000161405	18206652;
C012589	increase	IL12A	ENSG00000168811	12470611;
C012589	increase	IL12B	ENSG00000113302	12470611;
C012589	increase	IL1B	ENSG00000125538	16365456;
C012589	increase	IL6ST	ENSG00000134352	19223499;
C012589	increase	IL8	ENSG00000169429	15899819;12470611;
C012589	increase	KLK3	ENSG00000142515	18092350;
C012589	increase	LEP	ENSG00000174697	17502362;
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C012589	increase	LYZ	ENSG00000090382	17000900;
C012589	increase	MGMT	ENSG00000170430	15657354;12807730;
C012589	increase	MMP13	ENSG00000137745	17891453;
C012589	increase	MPO	ENSG00000005381	17185465;
C012589	increase	MUC4	ENSG00000145113	19127263;
C012589	increase	MYC	ENSG00000136997	18538736;17185465;12414619;

C012589	increase	NFKBIA	ENSG00000100906	15899819;
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C012589	increase	NRP1	ENSG00000099250	16330548;
C012589	increase	OCLN	ENSG00000197822	18661270;
C012589	increase	PARP1	ENSG00000143799	18801729;17431121;16010430;
C012589	increase	PCDH19	ENSG00000165194	17891453;
C012589	increase	PDK4	ENSG00000004799	16757381;
C012589	increase	PGR	ENSG00000082175	18264725;17533736;16024066;
C012589	increase	PIK3CD	ENSG00000171608	17940511;
C012589	increase	PRDX1	ENSG00000117450	19294695;
C012589	increase	PTEN	ENSG00000171862	17330857;
C012589	increase	RARB	ENSG00000077092	15959780;16740727;
C012589	increase	RBP7	ENSG00000162444	17940511;
C012589	increase	RERG	ENSG00000134533	19458056;
C012589	increase	RHOB	ENSG00000143878	18047684;
C012589	increase	S100A3	ENSG00000188015	17891453;
C012589	increase	SET	ENSG00000119335	19294695;
C012589	increase	SFRP1	ENSG00000104332	17923031;
C012589	increase	SFRP2	ENSG00000145423	17923031;18404682;
C012589	increase	SFRP4	ENSG00000106483	17923031;
C012589	increase	SFRP5	ENSG00000120057	17923031;
C012589	increase	SLC25A1	ENSG00000100075	18706393;
C012589	increase	SLC5A5	ENSG00000105641	16954431;
C012589	increase	SNCA	ENSG00000145335	17891453;
C012589	increase	SOD2	ENSG00000112096	19294695;
C012589	increase	SP1	ENSG00000185591	18801729;18706393;17986852;16757381;16740727;
C012589	increase	TFAP2C	ENSG00000087510	19458056;
C012589	increase	TFF1	ENSG00000160182	18264725;17533736;
C012589	increase	TGFB1	ENSG00000105329	16365456;
C012589	increase	TGFBR2	ENSG00000163513	15647279;
C012589	increase	TJP1	ENSG00000104067	18661270;
C012589	increase	TNFRSF10B	ENSG00000120889	15964798;
C012589	increase	TP53	ENSG00000141510	17230511;16467109;1605188;15179185;15964798;16865256;
C012589	increase	TSHR	ENSG00000165409	17679169;
C012589	increase	VDR	ENSG00000111424	17891453;
C012589	increase	WIF1	ENSG00000156076	17923031;
C012594	increase	CGB	ENSG00000213030	15941851;19497422;
C012594	increase	CYP19A1	ENSG00000137869	15941851;
C012594	increase	HSD17B1	ENSG00000108786	16513093;
C012596	increase	UGT1A1	ENSG00000241635	16819192;
C012596	increase	UGT1A6	ENSG00000167165	16819192;
C012629	decrease	BCL2	ENSG00000171791	14687023;
C012655	decrease	CAT	ENSG00000121691	18848576;
C012655	decrease	CYP19A1	ENSG00000137869	15964185;
C012655	decrease	SOD2	ENSG00000112096	18848576;
C012655	decrease	VEGFA	ENSG00000112715	17431384;
C012655	increase	CAV1	ENSG00000105974	18848576;
C012655	increase	IL1B	ENSG00000125538	12946449;
C012655	increase	IL6	ENSG00000136244	12946449;
C012655	increase	IL8	ENSG00000169429	12946449;

C012655	increase	PAWR	ENSG00000177425	10833474;
C012655	increase	PTGS1	ENSG00000095303	15482327;
				17431384;12946449;18848
C012655	increase	PTGS2	ENSG00000073756	576;17164136;15155531;15
				482327;
C012843	decrease	BCL2	ENSG00000171791	15566391;17510524;15964
				311;
C012843	decrease	BIRC2	ENSG00000110330	15566391;
C012843	decrease	BIRC3	ENSG00000023445	15566391;
C012843	decrease	FOS	ENSG00000170345	17510524;
C012843	decrease	JUN	ENSG00000177606	17510524;
C012843	decrease	MCL1	ENSG00000143384	15964311;
C012843	decrease	XIAP	ENSG00000101966	15566391;
C012843	increase	BAX	ENSG00000087088	15566391;15964311;
				15566391;16343908;17510
C012843	increase	CASP3	ENSG00000164305	524;
C012843	increase	HMOX1	ENSG00000100292	19033392;
C012843	increase	KEAP1	ENSG00000079999	19033392;
C012843	increase	NFE2L2	ENSG00000116044	19033392;
C012843	increase	NQO1	ENSG00000181019	19033392;
C012906	increase	CAT	ENSG00000121691	18818525;
C012906	increase	MAP1LC3A	ENSG00000101460	18818525;
C012920	decrease	CDKN1A	ENSG00000124762	18418871;
C012920	increase	MKI67	ENSG00000148773	18418871;
C012920	increase	TP53	ENSG00000141510	18418871;
C013015	affect	BAX	ENSG00000087088	15975156;
C013015	affect	BCL2	ENSG00000171791	15975156;
C013031	increase	CYP1A1	ENSG00000140465	15596260;
C013031	increase	CYP1B1	ENSG00000138061	15596260;
C013038	affect	CCL11	ENSG00000172156	17572062;
C013038	affect	CCL2	ENSG00000108691	17572062;
C013038	affect	CCL3	ENSG00000006075	17572062;
C013038	affect	CCL4	ENSG00000129277	17572062;
C013038	affect	CCL5	ENSG00000161570	17572062;
C013038	affect	IL8	ENSG00000169429	17572062;
C013038	decrease	ADSL	ENSG00000239900	17572062;
C013038	decrease	ARL6IP5	ENSG00000144746	17572062;
C013038	decrease	HLA-DPA1	ENSG00000168384	17572062;
C013038	decrease	HLA-DPB1	ENSG00000223865	17572062;
C013038	decrease	KCND1	ENSG00000102057	17572062;
C013038	decrease	RPL15	ENSG00000174748	17572062;
C013038	decrease	RPL5	ENSG00000122406	17572062;
C013038	decrease	SERPINF1	ENSG00000132386	17572062;
C013038	decrease	SFRS9	ENSG00000111786	17572062;
C013038	decrease	SORL1	ENSG00000137642	17572062;
C013038	increase	ABCC1	ENSG00000103222	17572062;
C013038	increase	ACLY	ENSG00000131473	17572062;
C013038	increase	BACH1	ENSG00000156273	17572062;
C013038	increase	CTTN	ENSG00000085733	17572062;
C013038	increase	CYP1B1	ENSG00000138061	17572062;
C013038	increase	CYP27A1	ENSG00000135929	17572062;
C013038	increase	DNAJB1	ENSG00000132002	17572062;
C013038	increase	ERO1L	ENSG00000197930	17572062;
C013038	increase	FDXR	ENSG00000161513	17572062;

C013038	increase	GABPB2	ENSG00000143458	17572062;
C013038	increase	GGA1	ENSG00000248512	17572062;
C013038	increase	GNAZ	ENSG00000128266	17572062;
C013038	increase	GP1BB	ENSG00000203618	17572062;
C013038	increase	HES1	ENSG00000114315	17572062;
C013038	increase	HIST1H2BG	ENSG00000168242	17572062;
C013038	increase	HIST2H2AA	ENSG00000203812	17572062;
C013038	increase	HSP90AA1	ENSG00000080824	17572062;
C013038	increase	HSPA1A	ENSG00000232804	17572062;
C013038	increase	HSPA1B	ENSG00000232804	17572062;
C013038	increase	IL10	ENSG00000136634	17572062;
C013038	increase	IL6	ENSG00000136244	17572062;
C013038	increase	ITGA2B	ENSG00000005961	17572062;
C013038	increase	ITGB3	ENSG00000056345	17572062;
C013038	increase	JARID2	ENSG00000008083	17572062;
C013038	increase	KEAP1	ENSG00000079999	17572062;
C013038	increase	KIAA0317	ENSG00000119682	17572062;
C013038	increase	NCK2	ENSG00000071051	17572062;
C013038	increase	PHLDA1	ENSG00000139289	17572062;
C013038	increase	PPP1R12A	ENSG00000058272	17572062;
C013038	increase	PRUNE	ENSG00000143363	17572062;
C013038	increase	RAB22A	ENSG00000124209	17572062;
C013038	increase	SH3BP2	ENSG00000087266	17572062;
C013038	increase	TMEM158	ENSG00000249992	17572062;
C013038	increase	TNF	ENSG00000223952	17572062;
C013038	increase	TTLL4	ENSG00000135912	17572062;
C013091	decrease	NFE2L2	ENSG00000116044	18258206;
C013099	affect	IL2	ENSG00000109471	9012323;
C013099	increase	TNF	ENSG00000223952	16112155;15893782;
C013185	increase	CCL2	ENSG00000108691	16253226;
C013185	increase	ICAM1	ENSG00000090339	16253226;
C013185	increase	TNF	ENSG00000223952	16253226;
C013185	increase	VCAM1	ENSG00000162692	16253226;
C013221	decrease	CCR2	ENSG00000121807	12462994;
C013221	decrease	CCR3	ENSG00000183625	12462994;
C013221	decrease	CCR5	ENSG00000160791	12462994;
C013229	increase	CYP1A1	ENSG00000140465	12147272;
C013531	decrease	CDKN1A	ENSG00000124762	12807743;
C013531	decrease	TFRC	ENSG00000072274	16760464;
C013550	decrease	SELE	ENSG00000007908	15623601;
C013592	decrease	ABL1	ENSG00000097007	15498116;
C013592	increase	FAS	ENSG00000026103	17634039;
C013592	increase	ICAM1	ENSG00000090339	15161907;
C013592	increase	LPL	ENSG00000175445	15975614;
C013592	increase	PTGS2	ENSG00000073756	15161907;
C013592	increase	TNF	ENSG00000223952	15161907;
C013598	decrease	PMF1	ENSG00000160783	15103026;
C013598	increase	ACSL1	ENSG00000151726	15103026;
C013598	increase	AP1G1	ENSG00000166747	15103026;
C013598	increase	C12ORF5	ENSG00000078237	15103026;
C013598	increase	DLG5	ENSG00000151208	15103026;
C013598	increase	GLUL	ENSG00000135821	15103026;
C013598	increase	GPSM2	ENSG00000121957	15103026;
C013598	increase	MT1B	ENSG00000169688	15103026;

C013598	increase	MT1X	ENSG00000187193	15103026;
C013598	increase	MT2A	ENSG00000125148	15103026;
C013598	increase	MYO10	ENSG00000145555	15103026;
C013598	increase	PIP	ENSG00000159763	15103026;
C013598	increase	PLK2	ENSG00000145632	15103026;
C013598	increase	QSOX1	ENSG00000116260	15103026;
C013598	increase	RBBP7	ENSG00000102054	15103026;
C013598	increase	S100P	ENSG00000163993	15103026;
C013649	increase	ABCB1	ENSG00000085563	15269186;
C013649	increase	CYP3A4	ENSG00000160868	15269186;16008107;15649653;
C013649	increase	UGT1A1	ENSG00000241635	15269186;
C013690	affect	BAX	ENSG00000087088	11230554;
C013690	affect	BCL2	ENSG00000171791	11230554;
C013690	affect	CDKN1A	ENSG00000124762	11230554;
C013690	affect	TGFB2	ENSG00000092969	16705669;
C013690	affect	TGFBR3	ENSG00000069702	16705669;
C013690	affect	TP53	ENSG00000141510	11230554;
C013690	increase	BCL2L1	ENSG00000171552	16705669;
C013690	increase	HMOX1	ENSG00000100292	15582351;
C013690	increase	MYC	ENSG00000136997	16705669;
C013905	increase	CDKN1B	ENSG00000111276	16061222;
C013908	increase	FOS	ENSG00000170345	17142977;
C013908	increase	PGR	ENSG00000082175	17142977;
C014024	affect	CDKN1A	ENSG00000124762	12473173;
C014024	decrease	GJA1	ENSG00000152661	8820588;
C014024	decrease	IFNG	ENSG00000111537	15319175;
C014024	decrease	IL10	ENSG00000136634	15319175;
C014024	decrease	TNF	ENSG00000223952	15319175;
C014024	increase	BRCA1	ENSG00000012048	12473173;
C014026	affect	BAX	ENSG00000087088	15543656;
C014026	affect	BCL2	ENSG00000171791	15543656;
C014026	affect	BCL2L1	ENSG00000171552	15543656;
C014026	decrease	CCNE1	ENSG00000105173	17349212;
C014026	decrease	CD44	ENSG00000026508	17349212;
C014026	decrease	MPO	ENSG00000005381	12130515;
C014026	increase	BCL2A1	ENSG00000140379	12130515;
C014026	increase	CDKN1A	ENSG00000124762	12130515;17349212;
C014026	increase	CDKN1B	ENSG00000111276	17349212;
C014026	increase	CEBPE	ENSG00000092067	12130515;
C014026	increase	HOXA9	ENSG00000078399	16973558;
C014026	increase	IFIT3	ENSG00000119917	12130515;
C014036	increase	HIF1A	ENSG00000100644	15050414;
C014036	increase	PTGS2	ENSG00000073756	18480072;
C014036	increase	VEGFA	ENSG00000112715	15050414;
C014138	increase	GSTM1	ENSG00000134184	18036774;
C014138	increase	HMOX1	ENSG00000100292	18036774;
C014138	increase	NQO1	ENSG00000181019	18036774;
C014290	affect	UGT2B15	ENSG00000196620	16690804;
C014290	increase	ADAMTS1	ENSG00000154734	17018655;
C014290	increase	IL6	ENSG00000136244	14532843;
C014290	increase	PIP	ENSG00000159763	10402478;
C014347	affect	ABCB1	ENSG00000085563	18673531;
C014347	affect	ACP5	ENSG00000102575	17145863;

C014347	affect	ADRB2	ENSG00000169252	17194187;
C014347	affect	AEBP1	ENSG00000106624	17145863;
C014347	affect	AGRN	ENSG00000188157	17330099;
C014347	affect	AKAP12	ENSG00000131016	18803327;17571247;
C014347	affect	ANXA4	ENSG00000196975	17330099;
C014347	affect	ANXA6	ENSG00000197043	17330099;
C014347	affect	APOD	ENSG00000189058	16865689;
C014347	affect	ARHGAP27	ENSG00000159314	18803327;
C014347	affect	ARHGEF16	ENSG00000130762	18803327;
C014347	affect	ASMTL	ENSG00000169093	17330099;
C014347	affect	ATM	ENSG00000149311	17991895;17488656;
C014347	affect	ATP1B1	ENSG00000143153	17330099;
C014347	affect	ATP1B2	ENSG00000129244	16865689;
C014347	affect	ATR	ENSG00000175054	17977830;17991895;
C014347	affect	B3GALNT1	ENSG00000169255	17145863;
C014347	affect	BBC3	ENSG00000105327	18573879;17488656;
C014347	affect	BIRC2	ENSG00000110330	18636160;
C014347	affect	BIRC3	ENSG00000023445	18636160;
C014347	affect	BMP6	ENSG00000153162	18688853;
C014347	affect	BNC1	ENSG00000169594	17194187;
C014347	affect	BST2	ENSG00000130303	17145863;
C014347	affect	CADM1	ENSG00000182985	17260099;
C014347	affect	CAPN2	ENSG00000162909	17330099;
C014347	affect	CASP3	ENSG00000164305	18649362;17019711;17653094;
C014347	affect	CASP7	ENSG00000165806	18649362;17330099;
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C014347	increase	CAV1	ENSG00000105974	17064661;16367923;
C014347	increase	CCK	ENSG00000187094	19151715;
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C014347	increase	CD40	ENSG00000101017	19401350;
C014347	increase	CD4	ENSG00000010610	19194470;
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C014347	increase	CIITA	ENSG00000179583	16650406;
C014347	increase	CLCF1	ENSG00000175505	19194470;
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C014347	increase	CLU	ENSG00000120885	19234609;17064661;
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C014347	increase	CPA3	ENSG00000163751	19194470;
C014347	increase	CRISP2	ENSG00000124490	19401350;
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C014347	increase	CSNK2A2	ENSG00000070770	19027835;
C014347	increase	CST7	ENSG00000077984	19194470;16367923;
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C014347	increase	CTNNB1	ENSG00000168036	19234609;19387464;
C014347	increase	CTSH	ENSG00000103811	17330099;19194470;
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C014347	increase	DCC	ENSG00000187323	19329758;

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				6700;19417133;
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C014347	increase	DUSP6	ENSG00000139318	17145863;19151715;
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C014347	increase	EEF1A2	ENSG00000101210	16367923;
C014347	increase	EGFL7	ENSG00000172889	19116145;
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C014347	increase	ERG	ENSG00000157554	19108891;19194470;
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C014347	increase	FMR1NB	ENSG00000176988	19401350;
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C014347	increase	FTH1	ENSG00000167996	19194470;
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C014347	increase	GLDC	ENSG00000178445	19151715;
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C014347	increase	HIST4H4	ENSG00000182217	18310117;15657354;19221000;
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C014347	increase	HSD11B2	ENSG00000176387	15489962;
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C014347	increase	LEP	ENSG00000174697	17502362;
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C014347	increase	LIF	ENSG00000128342	17785578;
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C014347	increase	LRCH4	ENSG00000077454	19194470;
C014347	increase	LRRC23	ENSG00000010626	17908484;
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C014347	increase	MBD3	ENSG00000071655	16367923;
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C014347	increase	PPIC	ENSG00000168938	16367923;
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C014347	increase	SLA	ENSG00000155926	19194470;
C014347	increase	SLC12A4	ENSG00000124067	17908484;
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C014347	increase	SMAD7	ENSG00000101665	19194470;
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C014347	increase	SNCA	ENSG00000145335	17891453;19151715;
C014347	increase	SNX10	ENSG00000086300	19194470;
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C014347	increase	SOD2	ENSG00000112096	19294695;
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C014347	increase	SP1	ENSG00000185591	18706393;17986852;18033804;19027835;
C014347	increase	SPARC	ENSG00000113140	18458674;19177197;17397030;
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C014347	increase	SPZ1	ENSG00000164299	16367923;
C014347	increase	SQRDL	ENSG00000137767	19194470;
C014347	increase	SREBF1	ENSG00000072310	17064661;
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C014347	increase	SSX1	ENSG00000126752	18240144;19401350;
C014347	increase	SSX2	ENSG00000157950	17145863;18240144;19401350;
C014347	increase	SSX4	ENSG00000198946	18240144;19401350;
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C014347	increase	TFAP2C	ENSG00000087510	19458056;16367923;
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C014347	increase	TG	ENSG00000042832	19524134;
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C014347	increase	TNFSF9	ENSG00000125657	16367923;
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C014347	increase	ULBP2	ENSG00000131015	16367923;
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C014476	decrease	PCNA	ENSG00000132646	11875189;
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C014476	increase	APAF1	ENSG00000120868	11875189;
C014476	increase	ATM	ENSG00000149311	11875189;
C014476	increase	CASP2	ENSG00000106144	11875189;
C014476	increase	CASP3	ENSG00000164305	11875189;
C014476	increase	CASP9	ENSG00000132906	11875189;
C014476	increase	CDKN1A	ENSG00000124762	11875189;
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C014659	decrease	IL8	ENSG00000169429	15762874;
C014970	decrease	OGG1	ENSG00000114026	16112689;
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C015001	decrease	IL18	ENSG00000150782	16085347;
C015001	decrease	IL1A	ENSG00000115008	16085347;
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C015001	decrease	IL8	ENSG00000169429	16085347;
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C015001	increase	LIG1	ENSG00000105486	15996700;
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C015001	increase	VEGFA	ENSG00000112715	14971644;
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C015234	decrease	HMGCR	ENSG00000113161	19819230;
C015234	decrease	RAP1A	ENSG00000116473	19819230;
C015262	increase	ICAM1	ENSG00000090339	11698162;
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C015329	decrease	ADD1	ENSG00000087274	16886892;
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C015329	decrease	CASP8	ENSG00000064012	16886892;
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C015329	decrease	CDK4	ENSG00000135446	17337101;
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C015329	decrease	CDK9	ENSG00000136807	17337101;
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C015329	decrease	JUN	ENSG00000177606	16886892;

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C015329	increase	MGAT2	ENSG00000168282	16886892;
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C015329	increase	VCP	ENSG00000165280	16886892;
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C015688	increase	TIMP1	ENSG00000102265	16311067;
C015802	decrease	ACO2	ENSG00000100412	11227219;

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C015802	increase	RPS3	ENSG00000149273	11227219;
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C015854	increase	GH1	ENSG00000189162	10843175;
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C016527	increase	SC5DL	ENSG00000109929	18032389;
C016527	increase	SQLE	ENSG00000104549	18032389;
C016527	increase	SREBF2	ENSG00000198911	18032389;
C016527	increase	TIMP1	ENSG00000102265	18715546;
C016583	affect	RELA	ENSG00000173039	18508827;
C016583	decrease	BAD	ENSG00000002330	18508827;
C016583	decrease	CCL2	ENSG00000108691	15762874;
C016583	decrease	IL6	ENSG00000136244	15762874;
C016583	decrease	IL8	ENSG00000169429	15762874;
C016583	increase	BCL2	ENSG00000171791	16835749;16582591;18508827;
C016583	increase	BIRC3	ENSG00000023445	18508827;
C016583	increase	CDKN1A	ENSG00000124762	18508827;
C016583	increase	GATA3	ENSG00000107485	16835749;16582591;
C016583	increase	HMOX1	ENSG00000100292	18508827;
C016583	increase	NFKB1	ENSG00000109320	18508827;16835749;16582591;
C016583	increase	PCNA	ENSG00000132646	16835749;16582591;
C016583	increase	STAT1	ENSG00000115415	16582591;16835749;

C016601	affect	ESR2	ENSG00000140009	15721411;9751507;17203231;15103026;15821116;
C016601	decrease	AHNAK	ENSG00000124942	16514628;
C016601	decrease	AREG	ENSG00000205595	16514628;
C016601	decrease	ASNS	ENSG00000070669	16514628;
C016601	decrease	AURKA	ENSG00000087586	16514628;
C016601	decrease	C6ORF106	ENSG00000196821	16514628;
C016601	decrease	CBX1	ENSG00000108468	16514628;
C016601	decrease	CCND1	ENSG00000110092	15665275;
C016601	decrease	CENPA	ENSG00000115163	16514628;
C016601	decrease	CLSTN1	ENSG00000171603	16514628;
C016601	decrease	COPB2	ENSG00000184432	16514628;
C016601	decrease	DDX21	ENSG00000165732	16514628;
C016601	decrease	DDX3Y	ENSG00000067048	16514628;
C016601	decrease	DHX9	ENSG00000135829	16514628;
C016601	decrease	DNAJA1	ENSG00000086061	16514628;
C016601	decrease	EIF2S1	ENSG00000134001	16514628;
C016601	decrease	EIF5	ENSG00000100664	16514628;
C016601	decrease	ELOVL5	ENSG00000012660	16514628;
C016601	decrease	FLNC	ENSG00000128591	16514628;
C016601	decrease	FYTTD1	ENSG00000122068	16514628;
C016601	decrease	GOLGA5	ENSG00000066455	16514628;
C016601	decrease	HMGB1	ENSG00000189403	16514628;
C016601	decrease	HNRNPA2B	ENSG00000122566	16514628;
C016601	decrease	HNRNPU	ENSG00000153187	16514628;
C016601	decrease	HSP90AB1	ENSG00000096384	16514628;
C016601	decrease	HSP90B1	ENSG00000166598	16514628;
C016601	decrease	HSPA4	ENSG00000170606	16514628;
C016601	decrease	HSPA8	ENSG00000109971	16514628;
C016601	decrease	HSPD1	ENSG00000144381	16514628;
C016601	decrease	IFRD1	ENSG00000006652	16514628;
C016601	decrease	IQGAP1	ENSG00000140575	16514628;
C016601	decrease	KIAA0101	ENSG00000166803	16514628;
C016601	decrease	KIF20A	ENSG00000112984	16514628;
C016601	decrease	KPNA2	ENSG00000182481	16514628;
C016601	decrease	KPNB1	ENSG00000108424	16514628;
C016601	decrease	MATR3	ENSG00000015479	16514628;
C016601	decrease	MGP	ENSG00000111341	16514628;
C016601	decrease	MST4	ENSG00000134602	16514628;
C016601	decrease	NARS	ENSG00000134440	16514628;
C016601	decrease	NCAPH	ENSG00000121152	16514628;
C016601	decrease	NCL	ENSG00000115053	16514628;
C016601	decrease	NPM1	ENSG00000181163	16514628;
C016601	decrease	NUS1	ENSG00000153989	16514628;
C016601	decrease	POLR2B	ENSG00000047315	16514628;
C016601	decrease	PPM1D	ENSG00000170836	16514628;
C016601	decrease	PRKDC	ENSG00000121031	16514628;
C016601	decrease	PSMD14	ENSG00000115233	16514628;
C016601	decrease	PSMD6	ENSG00000163636	16514628;
C016601	decrease	PSME4	ENSG00000068878	16514628;
C016601	decrease	RACGAP1	ENSG00000161800	16514628;
C016601	decrease	RAP1A	ENSG00000116473	16514628;
C016601	decrease	RBBP7	ENSG00000102054	16514628;
C016601	decrease	RPL6	ENSG00000089009	16514628;

C016601	decrease	RRM1	ENSG00000167325	16514628;
C016601	decrease	SFPQ	ENSG00000116560	16514628;
C016601	decrease	SFRS1	ENSG00000136450	16514628;
C016601	decrease	SLC26A2	ENSG00000155850	16514628;
C016601	decrease	SLC39A6	ENSG00000141424	16514628;
C016601	decrease	SON	ENSG00000159140	16514628;
C016601	decrease	STAT1	ENSG00000115415	16514628;
C016601	decrease	STMN1	ENSG00000117632	16514628;
C016601	decrease	TAF9	ENSG00000085231	16514628;
C016601	decrease	TARS	ENSG00000113407	16514628;
C016601	decrease	TCEB2	ENSG00000103363	16514628;
C016601	decrease	THBS2	ENSG00000186340	16514628;
C016601	decrease	TMPO	ENSG00000120802	16514628;
C016601	decrease	TNPO1	ENSG00000083312	16514628;
C016601	decrease	TOP1	ENSG00000198900	16514628;
C016601	decrease	TOP2B	ENSG00000077097	16514628;
C016601	decrease	TRAK2	ENSG00000115993	16514628;
C016601	decrease	UNG	ENSG00000076248	16514628;
C016601	decrease	USP32	ENSG00000170832	16514628;
C016601	decrease	XPO1	ENSG00000082898	16514628;
C016601	decrease	XRCC5	ENSG00000079246	16514628;
C016601	increase	APOD	ENSG00000189058	16514628;
C016601	increase	ARNT2	ENSG00000172379	16514628;
C016601	increase	CDKN1B	ENSG00000111276	15665275;
C016601	increase	CTSH	ENSG00000103811	16514628;
C016601	increase	CYP2A6	ENSG00000198077	17646279;
				11162928;15521089;17400
				923;17203231;16037132;10
				397250;9751507;17049190;
C016601	increase	ESR1	ENSG00000091831	12765246;11530281;15721
				411;11751013;15885261;98
				46162;15941852;17237823;
				14617632;15665275;16093
				440
C016601	increase	MYC	ENSG00000136997	16093440;
C016601	increase	NR4A1	ENSG00000123358	16514628;
C016601	increase	SERPINB9	ENSG00000170542	17237823;14617632;
C016601	increase	TFF1	ENSG00000160182	16514628;16093440;14617
				632;
C016766	decrease	BCL2	ENSG00000171791	16033772;
C016766	decrease	BCL2L1	ENSG00000171552	16033772;
C016766	increase	ABCC2	ENSG00000023839	11264000;15896333;
C016766	increase	BAX	ENSG00000087088	16033772;
C016766	increase	CCNB1	ENSG00000134057	15231455;
C016766	increase	CDKN1A	ENSG00000124762	15231455;
C016766	increase	GSTA1	ENSG00000243955	15090468;15672752;12949
				046;12756216;12151360;
C016766	increase	HMOX1	ENSG00000100292	19033392;
C016766	increase	KEAP1	ENSG00000079999	19033392;
C016766	increase	MGMT	ENSG00000170430	16950796;
C016766	increase	MT1A	ENSG00000205362	16033772;
C016766	increase	MT2A	ENSG00000125148	16033772;
C016766	increase	NFE2L2	ENSG00000116044	16033772;
C016766	increase	NQO1	ENSG00000181019	19033392;15896333;15672
				752;
C016766	increase	RELA	ENSG00000173039	15090468;

C016766	increase	UGT1A1	ENSG00000241635	15090468;12949046;12151360;12756216;15896333;
C016837	decrease	ADAM2	ENSG00000104755	16870260;
C016837	decrease	BCL2	ENSG00000171791	16624386;
C016837	decrease	BCL2L1	ENSG00000171552	16624386;
C016837	decrease	C20ORF7	ENSG00000101247	16870260;
C016837	decrease	CCDC52	ENSG00000163611	16870260;
C016837	decrease	CDR1	ENSG00000184258	16870260;
C016837	decrease	F2RL2	ENSG00000164220	16870260;
C016837	decrease	MTA2	ENSG00000149480	16870260;
C016837	decrease	NF2	ENSG00000186575	16870260;
C016837	decrease	PEG3	ENSG00000198300	16870260;
C016837	decrease	SCARA3	ENSG00000168077	16870260;
C016837	decrease	TRA2A	ENSG00000164548	16870260;
C016837	increase	BAG3	ENSG00000151929	16870260;
C016837	increase	BAX	ENSG00000087088	16624386;
C016837	increase	CALD1	ENSG00000122786	16870260;
C016837	increase	CCDC102B	ENSG00000150636	16870260;
C016837	increase	CD9	ENSG00000010278	16870260;
C016837	increase	CDKN1A	ENSG00000124762	16624386;
C016837	increase	CFTR	ENSG00000001626	16870260;
C016837	increase	CPS1	ENSG00000021826	16870260;
C016837	increase	DHRS2	ENSG00000100867	16870260;
C016837	increase	GRIK2	ENSG00000164418	16870260;
C016837	increase	HIF1A	ENSG00000100644	16579968;
C016837	increase	HMOX1	ENSG00000100292	16870260;
C016837	increase	HSPA1A	ENSG00000232804	16870260;
C016837	increase	HSPA6	ENSG00000173110	16870260;
C016837	increase	ITGB6	ENSG00000115221	16870260;
C016837	increase	MAFG	ENSG00000197063	11162468;
C016837	increase	MT1E	ENSG00000169715	16870260;
C016837	increase	MT1F	ENSG00000198417	16870260;
C016837	increase	MT1G	ENSG00000125144	16870260;
C016837	increase	MT1H	ENSG00000205358	16870260;
C016837	increase	MT1M	ENSG00000205364	16870260;
C016837	increase	MT1X	ENSG00000187193	16870260;
C016837	increase	MT2A	ENSG00000125148	16402917;16870260;
C016837	increase	NOX4	ENSG00000086991	16870260;
C016837	increase	PGF	ENSG00000119630	16870260;
C016837	increase	PIK3R4	ENSG00000196455	16870260;
C016837	increase	SBNO1	ENSG00000139697	16870260;
C016837	increase	SLC48A1	ENSG00000211584	16870260;
C016837	increase	ST5	ENSG00000166444	16870260;
C016837	increase	TFPI2	ENSG00000105825	16870260;
C016957	increase	SELE	ENSG00000007908	8780174;
C016957	increase	TNF	ENSG00000223952	8780174;
C017032	increase	VDAC1	ENSG00000213585	18802751;
C017037	increase	FKBP5	ENSG00000096060	19255438;
C017133	affect	APOA1	ENSG00000118137	12679171;
C017133	decrease	APBA1	ENSG00000107282	12634122;
C017133	decrease	BAG1	ENSG00000250477	12634122;
C017133	decrease	BMP2	ENSG00000125845	12634122;
C017133	decrease	C1ORF61	ENSG00000125462	12634122;
C017133	decrease	CAT	ENSG00000121691	12634122;

C017133	decrease	CDKN1A	ENSG00000124762	12634122;
C017133	decrease	CKB	ENSG00000166165	12634122;
C017133	decrease	CKM	ENSG00000104879	12634122;
C017133	decrease	CXCR4	ENSG00000121966	12634122;
C017133	decrease	DAB2	ENSG00000153071	12634122;
C017133	decrease	EPB41L3	ENSG00000082397	12634122;
C017133	decrease	EPHA5	ENSG00000145242	12634122;
C017133	decrease	ERBB3	ENSG00000065361	12634122;
C017133	decrease	ERCC2	ENSG00000104884	12634122;
C017133	decrease	ERCC5	ENSG00000134899	12634122;
C017133	decrease	GATA6	ENSG00000141448	12634122;
C017133	decrease	GDF15	ENSG00000130513	12634122;
C017133	decrease	GLI1	ENSG00000111087	12634122;
C017133	decrease	HCK	ENSG00000101336	12634122;
C017133	decrease	ID1	ENSG00000125968	12634122;
C017133	decrease	ID2	ENSG00000115738	12634122;
C017133	decrease	IGFBP7	ENSG00000163453	12634122;
C017133	decrease	MAP2K6	ENSG00000108984	12634122;
C017133	decrease	MAPK4	ENSG00000141639	12634122;
C017133	decrease	MAPK9	ENSG00000050748	12634122;
C017133	decrease	MATK	ENSG00000007264	12634122;
C017133	decrease	MCC	ENSG00000171444	12634122;
C017133	decrease	MCF2	ENSG00000101977	12634122;
C017133	decrease	MSH2	ENSG00000095002	12634122;
C017133	decrease	MYCN	ENSG00000134323	12634122;
C017133	decrease	PIP5K1B	ENSG00000107242	12634122;
C017133	decrease	PTP4A1	ENSG00000112245	12634122;
C017133	decrease	RARRES3	ENSG00000133321	12634122;
C017133	decrease	RET	ENSG00000165731	12634122;
C017133	decrease	SGK1	ENSG00000118515	12634122;
C017133	decrease	SLC2A3	ENSG00000059804	12634122;
C017133	decrease	SOD1	ENSG00000142168	12634122;
C017133	decrease	SPINK1	ENSG00000164266	12634122;
C017133	decrease	SSPN	ENSG00000123096	12634122;
C017133	decrease	STOM	ENSG00000148175	12634122;
C017133	decrease	TGFB2	ENSG00000092969	12634122;
C017133	decrease	TM4SF1	ENSG00000169908	12634122;
C017133	decrease	TNFRSF1B	ENSG00000028137	12634122;
C017133	decrease	TNFSF10	ENSG00000121858	12634122;
C017133	decrease	VIM	ENSG00000026025	12634122;
C017133	decrease	WNT1	ENSG00000125084	12634122;
C017133	decrease	WNT2	ENSG00000105989	12634122;
C017133	increase	BMP4	ENSG00000125378	12634122;
C017133	increase	CASP10	ENSG00000003400	12634122;
C017133	increase	CDKN2A	ENSG00000147889	12634122;
C017133	increase	COL6A2	ENSG00000142173	12634122;
C017133	increase	FOSL1	ENSG00000175592	12634122;
C017133	increase	HIST1H2AC	ENSG00000180573	12634122;
C017133	increase	ITGB4	ENSG00000132470	12634122;
C017133	increase	JUNB	ENSG00000171223	12634122;
C017133	increase	LRPAP1	ENSG00000163956	12634122;
C017133	increase	MT1X	ENSG00000187193	12634122;
C017133	increase	MT3	ENSG00000087250	12634122;
C017133	increase	NFIX	ENSG00000008441	12634122;

C017133	increase	NTHL1	ENSG00000065057	12634122;
C017154	increase	NOS3	ENSG00000164867	15740983;
C017160	decrease	AR	ENSG00000169083	16857237;17980950;
C017160	increase	CYP2B6	ENSG00000197408	15548381;
C017160	increase	CYP3A4	ENSG00000160868	15548381;
C017160	increase	TFF1	ENSG00000160182	12396874;
C017180	increase	CYP3A4	ENSG00000160868	16790556;19249324;
C017185	decrease	BCL2	ENSG00000171791	15740068;
C017185	increase	ARNT	ENSG00000143437	18603805;
C017185	increase	BAX	ENSG00000087088	15740068;
C017185	increase	EPAS1	ENSG00000116016	18603805;
C017185	increase	HIF1A	ENSG00000100644	18603805;
C017185	increase	HIF3A	ENSG00000124440	18603805;
C017185	increase	JUN	ENSG00000177606	15740068;
C017185	increase	PGK1	ENSG00000102144	18603805;
C017228	decrease	BAD	ENSG00000002330	15698582;
C017228	decrease	BCL2L1	ENSG00000171552	15698582;
C017228	decrease	BID	ENSG00000015475	15698582;
C017228	increase	HRAS	ENSG00000174775	11008122;
C017228	increase	NQO1	ENSG00000181019	11008122;
C017228	increase	TP53	ENSG00000141510	15698582;
C017338	affect	RHOA	ENSG00000067560	15324309;
C017338	decrease	CYR61	ENSG00000142871	19530242;
C017338	decrease	HMGCR	ENSG00000113161	19819230;
C017338	decrease	RAP1A	ENSG00000116473	19819230;16539721;
C017338	increase	IBSP	ENSG00000029559	15324309;
C017461	increase	DDIT3	ENSG00000175197	14971657;
C017461	increase	FOS	ENSG00000170345	14971657;
C017461	increase	GADD45A	ENSG00000116717	14971657;
C017461	increase	HSPA5	ENSG00000044574	14971657;
C017557	decrease	ATN1	ENSG00000111676	12760830;
C017557	decrease	CASP4	ENSG00000196954	12760830;
C017557	decrease	CCL2	ENSG00000108691	12760830;
C017557	decrease	CCNK	ENSG00000090061	12760830;
C017557	decrease	COL4A2	ENSG00000134871	12760830;
C017557	decrease	CTTN	ENSG00000085733	12760830;
C017557	decrease	CYP1B1	ENSG00000138061	12760830;
C017557	decrease	EGR1	ENSG00000120738	12760830;
C017557	decrease	EPHA2	ENSG00000142627	12760830;
C017557	decrease	HDGF	ENSG00000143321	12760830;
C017557	decrease	HSP90AA1	ENSG00000080824	12760830;
C017557	decrease	ITGB4	ENSG00000132470	12760830;
C017557	decrease	JUP	ENSG00000173801	12760830;
C017557	decrease	MAPKAPK2	ENSG00000162889	12760830;
C017557	decrease	MYC	ENSG00000136997	12760830;
C017557	decrease	RFC4	ENSG00000163918	12760830;
C017557	decrease	TFAP2A	ENSG00000137203	12760830;
C017557	decrease	TNFAIP2	ENSG00000185215	12760830;
C017557	decrease	TNK1	ENSG00000174292	12760830;
C017557	decrease	TRRAP	ENSG00000196367	12760830;
C017557	decrease	VEZF1	ENSG00000136451	12760830;
C017557	decrease	ZFP36L1	ENSG00000185650	12760830;
C017557	decrease	ZYX	ENSG00000159840	12760830;
C017557	increase	IGFBP3	ENSG00000146674	12760830;

C017557	increase	PSMA3	ENSG00000100567	12760830;
C017557	increase	RPA3	ENSG00000106399	12760830;
C017557	increase	RPS3A	ENSG00000145425	12760830;
C017557	increase	UBC	ENSG00000150991	12760830;
C017558	decrease	FHIT	ENSG00000189283	17044645;
C017573	increase	PGR	ENSG00000082175	16009159;
C017576	decrease	AR	ENSG00000169083	17505938;
C017576	decrease	PLAT	ENSG00000104368	12618251;
C017576	decrease	PROS1	ENSG00000184500	12618251;
C017576	decrease	SERPINC1	ENSG00000117601	12618251;
C017576	increase	CRP	ENSG00000132693	16982228;
C017576	increase	F7	ENSG00000057593	12618251;
C017576	increase	F8	ENSG00000185010	12618251;
C017576	increase	FGA	ENSG00000171560	12618251;
C017576	increase	FGB	ENSG00000171564	12618251;
C017576	increase	FGG	ENSG00000171557	12618251;
C017576	increase	PLG	ENSG00000122194	12618251;
C017576	increase	PROC	ENSG00000115718	12618251;
C017576	increase	SERPINA6	ENSG00000170099	16982228;
C017576	increase	SERPINA7	ENSG00000123561	16982228;
C017576	increase	SHBG	ENSG00000129214	16982228;12586319;
C017618	decrease	AR	ENSG00000169083	16857237;
C017674	decrease	RB1	ENSG00000139687	15827326;
C017679	increase	CYP1A1	ENSG00000140465	12147272;11849738;
C017690	decrease	AR	ENSG00000169083	15064155;16857237;16125883;
C017690	increase	CYP2B6	ENSG00000197408	15548381;
C017690	increase	CYP3A4	ENSG00000160868	19249324;15548381;
C017690	increase	PGR	ENSG00000082175	16326432;11137321;
C017690	increase	TFF1	ENSG00000160182	10064545;12396874;
C017690	increase	WNT10B	ENSG00000169884	12437293;
C017803	affect	CDKN1A	ENSG00000124762	18508827;
C017803	increase	BIRC3	ENSG00000023445	18508827;
C017803	increase	HMOX1	ENSG00000100292	18508827;16462769;
C017875	increase	AR	ENSG00000169083	18922931;
C017875	increase	CD40	ENSG00000101017	16601352;
C017875	increase	HMOX1	ENSG00000100292	16799064;
C017875	increase	IL13	ENSG00000169194	12789233;
C017875	increase	IL1B	ENSG00000125538	18958421;
C017875	increase	IL4	ENSG00000113520	12789233;16343431;
C017875	increase	IL5	ENSG00000113525	12789233;
C017875	increase	IL6	ENSG00000136244	18958421;
C017875	increase	IL8	ENSG00000169429	17884996;18958421;
C017875	increase	KLK3	ENSG00000142515	18922931;
C017875	increase	NFE2L2	ENSG00000116044	16799064;
C017875	increase	TNF	ENSG00000223952	18958421;
C017947	affect	CEBPB	ENSG00000172216	14523996;
C017947	affect	FZD2	ENSG00000180340	16966095;
C017947	affect	PRKAA1	ENSG00000132356	16678800;
C017947	affect	UBE2C	ENSG00000175063	16966095;
C017947	affect	UBE2K	ENSG00000078140	16966095;
C017947	affect	UBE2N	ENSG00000177889	16966095;
C017947	decrease	ABP1	ENSG00000002726	12727804;
C017947	decrease	ADAMTS1	ENSG00000154734	12679051;

C017947	decrease	AKT1	ENSG00000142208	12760830;12482858;
C017947	decrease	ALDH1A3	ENSG00000184254	12727804;
C017947	decrease	ALOX5AP	ENSG00000132965	16507463;
C017947	decrease	APBA1	ENSG00000107282	12634122;
C017947	decrease	APEX1	ENSG00000100823	12760830;12377979;
C017947	decrease	APOL3	ENSG00000128284	12634122;
C017947	decrease	ARHGAP5	ENSG00000100852	12760830;
C017947	decrease	ARHGDIA	ENSG00000141522	12760830;
C017947	decrease	ARHGDIB	ENSG00000111348	12634122;12727804;
C017947	decrease	AURKB	ENSG00000178999	12760830;
C017947	decrease	BAG1	ENSG00000250477	12634122;12760830;
C017947	decrease	BAX	ENSG00000087088	12760830;
C017947	decrease	BCL2L1	ENSG00000171552	12760830;
C017947	decrease	BIRC3	ENSG00000023445	12676792;
C017947	decrease	BMP2	ENSG00000125845	12634122;
C017947	decrease	BNIP3	ENSG00000176171	12760830;
C017947	decrease	C10ORF116	ENSG00000148671	12727804;
C017947	decrease	C1ORF61	ENSG00000125462	12634122;
C017947	decrease	C1QTNF6	ENSG00000133466	18448484;
C017947	decrease	CALR	ENSG00000179218	15899475;
C017947	decrease	CAMK2G	ENSG00000148660	12727804;
C017947	decrease	CAPN2	ENSG00000162909	12760830;
C017947	decrease	CAPNS1	ENSG00000126247	12727804;
C017947	decrease	CASP2	ENSG00000106144	12760830;
C017947	decrease	CASP7	ENSG00000165806	12760830;
C017947	decrease	CAT	ENSG00000121691	8526746;12634122;166005
C017947	decrease	CCL2	ENSG00000108691	12016162;16507463;12760830;
C017947	decrease	CCND2	ENSG00000118971	12377979;
C017947	decrease	CCR7	ENSG00000126353	12676792;
C017947	decrease	CD40LG	ENSG00000102245	12760830;
C017947	decrease	CD74	ENSG00000019582	12634122;
C017947	decrease	CDC20	ENSG00000117399	12727804;
C017947	decrease	CDC25B	ENSG00000101224	12377979;
C017947	decrease	CDH1	ENSG00000039068	12634122;
C017947	decrease	CENPE	ENSG00000138778	12679051;
C017947	decrease	CKB	ENSG00000166165	12634122;
C017947	decrease	CKM	ENSG00000104879	12634122;
C017947	decrease	CLDN4	ENSG00000189143	12634122;
C017947	decrease	COL1A1	ENSG00000108821	16507463;
C017947	decrease	CRABP2	ENSG00000143320	12016162;
C017947	decrease	CREBBP	ENSG00000005339	12377979;
C017947	decrease	CTSH	ENSG00000103811	12727804;
C017947	decrease	CTTN	ENSG00000085733	12760830;
C017947	decrease	CXCR4	ENSG00000121966	12634122;
C017947	decrease	CYP1B1	ENSG00000138061	12727804;
C017947	decrease	DAB2	ENSG00000153071	12634122;
C017947	decrease	DAD1	ENSG00000129562	12760830;
C017947	decrease	DAPK1	ENSG00000196730	19577553;
C017947	decrease	DARC	ENSG00000213088	12016162;
C017947	decrease	DAXX	ENSG00000231617	12760830;
C017947	decrease	DBC1	ENSG00000078725	18448484;
C017947	decrease	DDB2	ENSG00000134574	12377979;
C017947	decrease	DFFA	ENSG00000160049	12760830;

C017947	decrease	DHRS3	ENSG00000162496	12727804;
C017947	decrease	DSP	ENSG00000096696	12634122;
C017947	decrease	DUSP6	ENSG00000139318	12377979;
C017947	decrease	EFNA4	ENSG00000243364	12760830;
C017947	decrease	EFNB2	ENSG00000125266	12727804;
C017947	decrease	ELF3	ENSG00000163435	12634122;
C017947	decrease	EMP1	ENSG00000134531	12727804;
C017947	decrease	ENDOG	ENSG00000167136	12377979;
C017947	decrease	EPB41L3	ENSG00000082397	12634122;
C017947	decrease	EPCAM	ENSG00000119888	12634122;
C017947	decrease	ERBB3	ENSG00000065361	12634122;
C017947	decrease	ERCC2	ENSG00000104884	12634122;12760830;
C017947	decrease	ERCC5	ENSG00000134899	12634122;
C017947	decrease	FAM83A	ENSG00000147689	18448484;
C017947	decrease	FASTK	ENSG00000164896	12760830;
C017947	decrease	FEN1	ENSG00000168496	12377979;
C017947	decrease	FLG	ENSG00000143631	12727804;11485391;
C017947	decrease	FLT1	ENSG00000102755	12634122;
C017947	decrease	GATA3	ENSG00000107485	12634122;
C017947	decrease	GATA6	ENSG00000141448	12634122;16507463;
C017947	decrease	GBP2	ENSG00000162645	12377979;
C017947	decrease	GDF15	ENSG00000130513	18448484;12634122;
C017947	decrease	GJA1	ENSG00000152661	12727804;16507463;
C017947	decrease	GLI1	ENSG00000111087	12634122;
C017947	decrease	GNB2	ENSG00000172354	12760830;
C017947	decrease	GSS	ENSG00000100983	12634122;
C017947	decrease	GSTO1	ENSG00000148834	12634122;
C017947	decrease	HCK	ENSG00000101336	12634122;
C017947	decrease	HMGCS1	ENSG00000112972	16507463;
C017947	decrease	HOXA10	ENSG00000078399	14989901;
C017947	decrease	HSD11B2	ENSG00000176387	12727804;
C017947	decrease	HSPA5	ENSG00000044574	15788408;15899475;
C017947	decrease	HTRA1	ENSG00000166033	16507463;
C017947	decrease	ICAM1	ENSG00000090339	12634122;
C017947	decrease	IFIT1	ENSG00000185745	12727804;
C017947	decrease	IFITM2	ENSG00000185201	18448484;12377979;
C017947	decrease	IFITM3	ENSG00000142089	12727804;
C017947	decrease	IGFBP2	ENSG00000115457	12727804;
C017947	decrease	IGFBP3	ENSG00000146674	12727804;
C017947	decrease	IGFBP5	ENSG00000115461	16507463;
C017947	decrease	IGFBP7	ENSG00000163453	12634122;
C017947	decrease	IL13	ENSG00000169194	12676792;
C017947	decrease	IL1A	ENSG00000115008	12679051;
C017947	decrease	ISG15	ENSG00000187608	18448484;12377979;
C017947	decrease	ITGB3	ENSG00000056345	16507463;
C017947	decrease	ITGB6	ENSG00000115221	12727804;
C017947	decrease	JAK1	ENSG00000162434	12679051;
C017947	decrease	JUP	ENSG00000173801	12760830;
C017947	decrease	KLF4	ENSG00000136826	12377979;
C017947	decrease	KLK7	ENSG00000169035	12634122;
C017947	decrease	KRT13	ENSG00000171401	12634122;
C017947	decrease	KRT15	ENSG00000171346	12016162;
C017947	decrease	KRT19	ENSG00000171345	12016162;
C017947	decrease	KRT6C	ENSG00000170465	12634122;

C017947	decrease	L1CAM	ENSG00000198910	12016162;
C017947	decrease	LIG1	ENSG00000105486	12760830;
C017947	decrease	LMNB2	ENSG00000176619	12377979;
C017947	decrease	LY6E	ENSG00000160932	12377979;
C017947	decrease	MAD2L1	ENSG00000164109	12377979;
C017947	decrease	MAP2K1	ENSG00000169032	12016162;
C017947	decrease	MAP2K6	ENSG00000108984	12634122;
C017947	decrease	MAPK4	ENSG00000141639	12634122;
C017947	decrease	MAPK9	ENSG00000050748	12634122;12475910;12482858;
C017947	decrease	MAPKAPK3	ENSG00000114738	12547826;12760830;
C017947	decrease	MARCKS	ENSG00000155130	16507463;
C017947	decrease	MATK	ENSG00000007264	12634122;
C017947	decrease	MCC	ENSG00000171444	12634122;
C017947	decrease	MCM2	ENSG00000073111	12760830;
C017947	decrease	MCM7	ENSG00000166508	12760830;
C017947	decrease	MED21	ENSG00000152944	12727804;
C017947	decrease	MGMT	ENSG00000170430	12760830;
C017947	decrease	MMP13	ENSG00000137745	12679051;
C017947	decrease	MMP1	ENSG00000196611	12377979;
C017947	decrease	MSH2	ENSG00000095002	12634122;
C017947	decrease	MSH5	ENSG00000227314	12377979;
C017947	decrease	MYL9	ENSG00000101335	12727804;
C017947	decrease	MYLK	ENSG00000251351	16507463;
C017947	decrease	NDFIP2	ENSG00000102471	16507463;
C017947	decrease	NEFL	ENSG00000104725	18448484;
C017947	decrease	NFKB1	ENSG00000109320	16809336;12377979;
C017947	decrease	NME1	ENSG00000239672	12016162;
C017947	decrease	NRGN	ENSG00000154146	12760830;
C017947	decrease	NRIP1	ENSG00000180530	12727804;
C017947	decrease	NUP88	ENSG00000108559	16507463;
C017947	decrease	OGG1	ENSG00000114026	12359242;
C017947	decrease	P4HB	ENSG00000185624	15899475;
C017947	decrease	PDCD6	ENSG00000249915	12760830;
C017947	decrease	PEX14	ENSG00000142655	16507463;
C017947	decrease	PGF	ENSG00000119630	12016162;
C017947	decrease	PHLDB2	ENSG00000144824	12679051;
C017947	decrease	PI4KA	ENSG00000249793	12760830;
C017947	decrease	PIP5K1B	ENSG00000107242	12634122;
C017947	decrease	PLA2G16	ENSG00000176485	12727804;
C017947	decrease	PLAU	ENSG00000122861	12016162;
C017947	decrease	PLCG1	ENSG00000124181	12760830;
C017947	decrease	PML	ENSG00000140464	12016162;
C017947	decrease	POLD1	ENSG00000062822	12377979;12760830;
C017947	decrease	POLE	ENSG00000177084	12377979;
C017947	decrease	POLG	ENSG00000140521	12760830;
C017947	decrease	POLR2E	ENSG00000099817	12727804;
C017947	decrease	PRKACA	ENSG00000072062	12760830;
C017947	decrease	PRSS8	ENSG00000052344	12634122;
C017947	decrease	PSCA	ENSG00000167653	12727804;
C017947	decrease	PSMB1	ENSG00000008018	16507463;
C017947	decrease	PSMB8	ENSG00000226201	12727804;
C017947	decrease	PTPN11	ENSG00000179295	12679051;
C017947	decrease	PTPRF	ENSG00000142949	12377979;

C017947	decrease	RARG	ENSG00000172819	12377979;
C017947	decrease	RARRES3	ENSG00000133321	12634122;12727804;
C017947	decrease	RELA	ENSG00000173039	12676792;12241537;12377979;12760830;
C017947	decrease	RET	ENSG00000165731	12634122;
C017947	decrease	REV3L	ENSG00000009413	12377979;
C017947	decrease	RFC1	ENSG00000035928	12760830;
C017947	decrease	RFC2	ENSG00000049541	12760830;
C017947	decrease	RHOB	ENSG00000143878	12760830;
C017947	decrease	RPS6KA1	ENSG00000117676	12760830;
C017947	decrease	RXRA	ENSG00000186350	15833926;
C017947	decrease	SAA2	ENSG00000134339	12727804;
C017947	decrease	SERPINB1	ENSG00000021355	12727804;
C017947	decrease	SERPINB4	ENSG00000206073	12727804;
C017947	decrease	SFN	ENSG00000175793	12760830;
C017947	decrease	SGK1	ENSG00000118515	12634122;
C017947	decrease	SLC2A1	ENSG00000117394	12760830;
C017947	decrease	SLC2A3	ENSG00000059804	12634122;
C017947	decrease	SMAD7	ENSG00000101665	16507463;
C017947	decrease	SOX4	ENSG00000124766	12727804;
C017947	decrease	SPINK1	ENSG00000164266	12634122;
C017947	decrease	SPINT2	ENSG00000167642	12634122;
C017947	decrease	SPRR1A	ENSG00000169474	11485391;
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C017947	decrease	SSPN	ENSG00000123096	12634122;
C017947	decrease	STOM	ENSG00000148175	12634122;
C017947	decrease	TERT	ENSG00000164362	16966277;
C017947	decrease	TFAP4	ENSG00000090447	12679051;
C017947	decrease	TNC	ENSG00000041982	12727804;
C017947	decrease	TNFAIP2	ENSG00000185215	12727804;12760830;
C017947	decrease	TNFAIP6	ENSG00000123610	12016162;
C017947	decrease	TNF	ENSG00000223952	12377979;
C017947	decrease	TNFRSF1B	ENSG00000028137	12634122;
C017947	decrease	TP53I3	ENSG00000115129	12727804;
C017947	decrease	TPR	ENSG00000047410	12679051;
C017947	decrease	TRAF1	ENSG00000056558	12676792;
C017947	decrease	TRAF3	ENSG00000131323	12760830;
C017947	decrease	TRAP1	ENSG00000126602	12377979;
C017947	decrease	TRIM31	ENSG00000223531	12727804;
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C017947	decrease	TYK2	ENSG00000105397	12760830;
C017947	decrease	UBE2L6	ENSG00000156587	12727804;
C017947	decrease	UNG	ENSG00000076248	12377979;12760830;
C017947	decrease	VIM	ENSG00000026025	12634122;
C017947	decrease	WNT1	ENSG00000125084	12634122;
C017947	decrease	WNT2	ENSG00000105989	12634122;
C017947	decrease	WNT5A	ENSG00000114251	12679051;
C017947	decrease	XPC	ENSG00000154767	12377979;12760830;
C017947	decrease	YWHAH	ENSG00000128245	12760830;
C017947	decrease	ZSCAN12	ENSG00000158691	18448484;
C017947	increase	ABCC2	ENSG00000023839	11408547;12727804;
C017947	increase	ABL1	ENSG00000097007	12016162;
C017947	increase	ABL2	ENSG00000143322	12760830;
C017947	increase	AKR1C3	ENSG00000196139	12727804;

C017947	increase	ALDOA	ENSG00000149925	15899475;
C017947	increase	ANXA1	ENSG00000135046	15899475;
C017947	increase	APP	ENSG00000142192	12760830;
C017947	increase	ATF2	ENSG00000115966	12475910;12220541;15292961;12016162;
C017947	increase	ATF3	ENSG00000162772	12220541;12760830;
C017947	increase	ATF4	ENSG00000128272	15788408;12760830;
C017947	increase	ATM	ENSG00000149311	11507245;
C017947	increase	ATP1B3	ENSG00000069849	12760830;
C017947	increase	BCL2A1	ENSG00000140379	12016162;
C017947	increase	BCL2	ENSG00000171791	12679051;16966277;
C017947	increase	BCL6	ENSG00000113916	12760830;
C017947	increase	BDNF	ENSG00000176697	12760830;
C017947	increase	BECN1	ENSG00000126581	19577553;
C017947	increase	BIRC2	ENSG00000110330	14970392;
C017947	increase	BIRC5	ENSG00000089685	14988404;
C017947	increase	BLVRA	ENSG00000106605	15741166;
C017947	increase	BMP4	ENSG00000125378	12634122;12760830;
C017947	increase	BRCA1	ENSG00000012048	12760830;
C017947	increase	BRCA2	ENSG00000139618	12760830;
C017947	increase	CAPZA1	ENSG00000116489	12377979;
C017947	increase	CASP10	ENSG00000003400	12634122;12016162;
C017947	increase	CAST	ENSG00000153113	12016162;
C017947	increase	CCNB1	ENSG00000134057	12016162;
C017947	increase	CCND1	ENSG00000110092	19168569;12634122;16283521;17005224;
C017947	increase	CCNF	ENSG00000162063	12016162;
C017947	increase	CCNG1	ENSG00000113328	12016162;12377979;
C017947	increase	CDC25A	ENSG00000164045	12016162;
C017947	increase	CDK1	ENSG00000170312	12016162;
C017947	increase	CDKN1A	ENSG00000124762	11507245;12634122;12760830;12377979;11813266;
C017947	increase	CDKN2A	ENSG00000147889	12634122;11825526;12016162;
C017947	increase	CDKN3	ENSG00000100526	12016162;
C017947	increase	CFLAR	ENSG00000003402	12016162;
C017947	increase	CLK1	ENSG00000013441	12016162;12760830;
C017947	increase	CLU	ENSG00000120885	12760830;12377979;
C017947	increase	COL6A2	ENSG00000142173	12634122;
C017947	increase	CPVL	ENSG00000106066	12727804;
C017947	increase	CRADD	ENSG00000169372	12016162;
C017947	increase	CREM	ENSG00000095794	14523996;
C017947	increase	CSDA	ENSG00000060138	12760830;
C017947	increase	CSDE1	ENSG00000009307	12016162;
C017947	increase	CSNK2A1	ENSG00000101266	18572023;
C017947	increase	CSNK2A2	ENSG00000070770	18572023;
C017947	increase	CSNK2B	ENSG00000224398	18572023;
C017947	increase	CTGF	ENSG00000118523	12377979;
C017947	increase	CTSC	ENSG00000109861	12760830;
C017947	increase	CXCL1	ENSG00000163739	12016162;12727804;12377979;
C017947	increase	CXCL2	ENSG00000081041	12016162;12760830;
C017947	increase	CYCS	ENSG00000172115	15741166;
C017947	increase	CYP1A1	ENSG00000140465	15576448;15630080;16713074;

C017947	increase	CYP3A4	ENSG00000160868	15833926;
C017947	increase	DBP	ENSG00000105516	12760830;
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C017947	increase	DLX2	ENSG00000115844	16966095;
C017947	increase	DNAJB1	ENSG00000132002	12679051;12760830;16729991;
C017947	increase	DNAJB4	ENSG00000162616	12634122;
C017947	increase	DUSP1	ENSG00000120129	16966095;12377979;
C017947	increase	E2F3	ENSG00000112242	12760830;
C017947	increase	EEF1A1	ENSG00000156508	12727804;
C017947	increase	EEF1A2	ENSG00000101210	12727804;
C017947	increase	EGFR	ENSG00000146648	15504454;19168569;12016162;11723127;
C017947	increase	EGR1	ENSG00000120738	15292961;12016162;12760830;12377979;12634122;
C017947	increase	EIF4E	ENSG00000151247	16283521;16951406;12016162;
C017947	increase	ELK1	ENSG00000126767	12660819;15292961;12016162;
C017947	increase	ELK3	ENSG00000111145	12760830;
C017947	increase	EPA1	ENSG00000146904	12760830;
C017947	increase	EPA2	ENSG00000142627	12760830;
C017947	increase	EPA5	ENSG00000145242	12634122;
C017947	increase	ETS1	ENSG00000134954	12760830;
C017947	increase	ETS2	ENSG00000157557	12760830;
C017947	increase	ETV6	ENSG00000139083	12016162;12760830;
C017947	increase	EXT1	ENSG00000182197	12634122;
C017947	increase	F11R	ENSG00000158769	12016162;
C017947	increase	F2R	ENSG00000181104	12760830;
C017947	increase	FADD	ENSG00000168040	12016162;
C017947	increase	FAS	ENSG00000026103	12016162;
C017947	increase	FGF2	ENSG00000138685	12703962;
C017947	increase	FGFR4	ENSG00000160867	12377979;
C017947	increase	FLI1	ENSG00000151702	12634122;
C017947	increase	FOS	ENSG00000170345	12547826;14523996;12475910;12377979;17409708;
C017947	increase	FOSL1	ENSG00000175592	12634122;14523996;12760830;12475910;
C017947	increase	FYN	ENSG00000010810	12016162;
C017947	increase	GABPB2	ENSG00000143458	12760830;
C017947	increase	GADD45A	ENSG00000116717	12016162;12760830;
C017947	increase	GADD45B	ENSG00000099860	12760830;
C017947	increase	GALR1	ENSG00000166573	12760830;
C017947	increase	GAP43	ENSG00000172020	12016162;
C017947	increase	GAPDH	ENSG00000111640	15899475;
C017947	increase	GCLM	ENSG00000023909	12679051;
C017947	increase	GLRX	ENSG00000173221	12016162;12377979;
C017947	increase	GRB2	ENSG00000177885	12016162;
C017947	increase	GRLF1	ENSG00000160007	12760830;
C017947	increase	GTF2H2	ENSG00000145736	12760830;
C017947	increase	HBEGF	ENSG00000113070	19168569;12760830;
C017947	increase	HDAC9	ENSG00000048052	16966095;
C017947	increase	HIF1A	ENSG00000100644	12482858;16678800;12760830;
C017947	increase	HIST1H2AC	ENSG00000180573	12634122;

C017947	increase	HIST2H2BE	ENSG00000184678	12679051; 16959797;15741166;15618017;16775837;12016162;17409708;16966095;12679051;12220541;12760830;15788408;12727804;
C017947	increase	HMOX1	ENSG00000100292	12760830;
C017947	increase	HOXA5	ENSG00000106004	16039940;
C017947	increase	HRAS	ENSG00000174775	15618017;11322385;
C017947	increase	HSF1	ENSG00000185122	12016162;
C017947	increase	HSF2	ENSG00000025156	12760830;
C017947	increase	HSP90AA1	ENSG00000080824	16966095;12016162;12760830;16729991;
C017947	increase	HSPA1A	ENSG00000232804	12760830;
C017947	increase	HSPA2	ENSG00000126803	11322385;16959797;
C017947	increase	HSPA4	ENSG00000170606	12760830;16966095;
C017947	increase	HSPA6	ENSG00000173110	12760830;
C017947	increase	HSPA8	ENSG00000109971	12760830;15899475;16729991;
C017947	increase	HSPB1	ENSG00000106211	12016162;12760830;
C017947	increase	HSPD1	ENSG00000144381	12760830;
C017947	increase	HTR3A	ENSG00000166736	12377979;
C017947	increase	HYAL1	ENSG00000114378	16966095;12634122;12727804;
C017947	increase	ID1	ENSG00000125968	12634122;12727804;16966095;
C017947	increase	ID2	ENSG00000115738	12727804;12760830;16966095;
C017947	increase	ID3	ENSG00000117318	12760830;
C017947	increase	IER2	ENSG00000160888	12760830;
C017947	increase	IER3	ENSG00000137331	12016162;
C017947	increase	IFNGR1	ENSG00000027697	12016162;
C017947	increase	IGF2	ENSG00000167244	12760830;
C017947	increase	IL11	ENSG00000095752	12760830;
C017947	increase	IL12B	ENSG00000113302	12241537;14523996;
C017947	increase	IL1B	ENSG00000125538	12760830;16507463;
C017947	increase	IL1R2	ENSG00000115590	12760830;
C017947	increase	IL2	ENSG00000109471	12760830;
C017947	increase	IL2RA	ENSG00000134460	12760830;
C017947	increase	IL5RA	ENSG00000091181	12241537;14523996;12016162;12760830;11893605;
C017947	increase	IL6	ENSG00000136244	12760830;
C017947	increase	IL7	ENSG00000104432	12016162;12760830;
C017947	increase	IL8	ENSG00000169429	12679051;16966095;
C017947	increase	INSIG1	ENSG00000186480	12760830;
C017947	increase	ITGA4	ENSG00000115232	12016162;
C017947	increase	ITGAV	ENSG00000138448	12634122;12377979;
C017947	increase	ITGB4	ENSG00000132470	12727804;11485391;18572023;
C017947	increase	IVL	ENSG00000163207	12634122;12016162;12220541;12475910;
C017947	increase	JUNB	ENSG00000171223	12220541;12760830;12475910;
C017947	increase	JUND	ENSG00000130522	15741166;16775837;12482858;12547826;14523996;16809336;12377979;12760830;12016162;12475910;
C017947	increase	JUN	ENSG00000177606	

C017947	increase	KIT	ENSG00000157404	12016162;
C017947	increase	KLF5	ENSG00000102554	12760830;
C017947	increase	KLF8	ENSG00000102349	12377979;
C017947	increase	KRT10	ENSG00000186395	12727804;18572023;
C017947	increase	KRT1	ENSG00000167768	18572023;
C017947	increase	KRT5	ENSG00000186081	12634122;12016162;
C017947	increase	KRT6A	ENSG00000205420	12016162;
C017947	increase	KRT8	ENSG00000170421	12634122;12016162;
C017947	increase	LIF	ENSG00000128342	12760830;
C017947	increase	LOR	ENSG00000203782	18572023;
C017947	increase	LRPAP1	ENSG00000163956	12634122;
C017947	increase	MAFF	ENSG00000185022	16966095;
C017947	increase	MAFG	ENSG00000197063	12220541;11162468;
C017947	increase	MAP1LC3B	ENSG00000140941	19577553;
C017947	increase	MAP2K3	ENSG00000034152	12760830;
C017947	increase	MAP2K4	ENSG00000065559	12760830;
C017947	increase	MAP3K8	ENSG00000107968	12016162;
C017947	increase	MAPK1	ENSG00000100030	12547826;12660819;12482
				858;15504454;19577553;16
				959797;19168569;1247591
C017947	increase	MAPK3	ENSG00000102882	0;11322385;11723127;
				12547826;12482858;15504
				454;19577553;16959797;19
C017947	increase	MAPK6	ENSG00000069956	12760830;
C017947	increase	MAPRE1	ENSG00000101367	12760830;
C017947	increase	MARK3	ENSG00000075413	12760830;
C017947	increase	MCF2	ENSG00000101977	12634122;12016162;
C017947	increase	MCL1	ENSG00000143384	12016162;12760830;
C017947	increase	MDM2	ENSG00000135679	12016162;11813266;
C017947	increase	MLH1	ENSG00000076242	12634122;
C017947	increase	MMP2	ENSG00000087245	16507463;12377979;
C017947	increase	MNAT1	ENSG00000020426	12016162;
C017947	increase	MT1A	ENSG00000205362	12679051;11693492;
C017947	increase	MT1E	ENSG00000169715	12679051;12377979;14555
C017947	increase	MT1G	ENSG00000125144	400;
C017947	increase	MT1H	ENSG00000205358	12679051;11693492;
C017947	increase	MT1M	ENSG00000205364	12679051;
C017947	increase	MT1X	ENSG00000187193	12634122;12679051;11693
C017947	increase	MT2A	ENSG00000125148	492;16966095;14555400;
				12679051;14555400;16966
				095;12377979;11693492;
C017947	increase	MT3	ENSG00000087250	12634122;11693492;
C017947	increase	MXD1	ENSG00000059728	12377979;12760830;
C017947	increase	MYBL2	ENSG00000101057	12016162;
C017947	increase	MYC	ENSG00000136997	12679051;12760830;
C017947	increase	MYCL1	ENSG00000116990	12016162;
C017947	increase	MYCN	ENSG00000134323	12634122;12016162;
C017947	increase	NAT1	ENSG00000171428	12016162;
C017947	increase	NCK1	ENSG00000158092	12016162;
C017947	increase	NEK6	ENSG00000119408	12016162;
C017947	increase	NFATC4	ENSG00000100968	16809336;
C017947	increase	NFIX	ENSG00000008441	12634122;

C017947	increase	NFKB2	ENSG00000077150	12760830;
C017947	increase	NFX1	ENSG00000086102	12760830;
C017947	increase	NIT1	ENSG00000158793	12016162;
C017947	increase	NKTR	ENSG00000114857	12634122;
C017947	increase	NMBR	ENSG00000135577	12760830;
C017947	increase	NOS3	ENSG00000164867	12703962;
C017947	increase	NOV	ENSG00000136999	12016162;
C017947	increase	NPAT	ENSG00000149308	12016162;
C017947	increase	NQO1	ENSG00000181019	12377979;17409708;12426128;
C017947	increase	NR2F6	ENSG00000160113	12016162;12760830;
C017947	increase	NR4A1	ENSG00000123358	12760830;
C017947	increase	NTHL1	ENSG00000065057	12634122;
C017947	increase	PAWR	ENSG00000177425	16966277;
C017947	increase	PBX1	ENSG00000185630	12760830;
C017947	increase	PCNA	ENSG00000132646	12760830;12634122;
C017947	increase	PDGFA	ENSG00000197461	12727804;12760830;
C017947	increase	PFDN4	ENSG00000101132	12016162;
C017947	increase	PFDN5	ENSG00000123349	12377979;
C017947	increase	PGAM1	ENSG00000171314	15899475;
C017947	increase	PIK3CA	ENSG00000121879	12016162;
C017947	increase	PIK3R2	ENSG00000105647	12760830;
C017947	increase	PIM1	ENSG00000137193	12016162;
C017947	increase	PLK2	ENSG00000145632	12760830;
C017947	increase	POR	ENSG00000127948	12760830;12016162;
C017947	increase	POU2F2	ENSG00000028277	12377979;
C017947	increase	PPP1CB	ENSG00000213639	12016162;
C017947	increase	PRDX1	ENSG00000117450	15899475;
C017947	increase	PRKCA	ENSG00000154229	16507463;12016162;
C017947	increase	PRKCD	ENSG00000163932	12016162;12377979;
C017947	increase	PRNP	ENSG00000171867	12760830;
C017947	increase	PTGS2	ENSG00000073756	16809336;11835400;12377979;
C017947	increase	PTK2	ENSG00000169398	12016162;
C017947	increase	PTP4A1	ENSG00000112245	12634122;12760830;
C017947	increase	RAB3A	ENSG00000105649	12016162;
C017947	increase	RAB5A	ENSG00000144566	12016162;
C017947	increase	RAD23A	ENSG00000179262	12634122;
C017947	increase	RAP1A	ENSG00000116473	12016162;
C017947	increase	RAP1B	ENSG00000127314	12760830;
C017947	increase	RASA1	ENSG00000145715	12016162;
C017947	increase	RASSF1	ENSG00000068028	12634122;
C017947	increase	RFC5	ENSG00000111445	12016162;
C017947	increase	RNF5	ENSG00000225452	12016162;
C017947	increase	ROBO1	ENSG00000169855	12760830;
C017947	increase	RPL6	ENSG00000089009	12760830;
C017947	increase	S100A10	ENSG00000197747	12377979;
C017947	increase	SEMA3C	ENSG00000075223	12634122;
C017947	increase	SERPINB8	ENSG00000166401	12760830;
C017947	increase	SERPINH1	ENSG00000149257	12377979;
C017947	increase	SHB	ENSG00000107338	12760830;
C017947	increase	SLC16A1	ENSG00000155380	12760830;
C017947	increase	SLC1A4	ENSG00000115902	12760830;
C017947	increase	SLC20A2	ENSG00000168575	16966095;

C017947	increase	SLC30A1	ENSG00000170385	16966095;
C017947	increase	SLC7A5	ENSG00000103257	12760830;
C017947	increase	SLC9A1	ENSG00000090020	12760830;
C017947	increase	SMAD1	ENSG00000170365	12760830;
C017947	increase	SMAD4	ENSG00000141646	12016162;12760830;
C017947	increase	SMAD6	ENSG00000137834	12016162;16966095;
C017947	increase	SMARCA1	ENSG00000102038	12016162;
C017947	increase	SMN1	ENSG00000172062	12760830;
C017947	increase	SOD1	ENSG00000142168	12634122;12377979;
C017947	increase	SP3	ENSG00000172845	12016162;
C017947	increase	STK25	ENSG00000115694	12377979;12426128;
C017947	increase	SYN3	ENSG00000185666	12760830;
C017947	increase	TACSTD2	ENSG00000184292	12377979;
C017947	increase	TAGLN	ENSG00000149591	12634122;
C017947	increase	TANK	ENSG00000136560	12016162;
C017947	increase	TAPBP	ENSG00000206208	12016162;
C017947	increase	TCF12	ENSG00000140262	16507463;12016162;
C017947	increase	TFAM	ENSG00000108064	12016162;
C017947	increase	TFRC	ENSG00000072274	12377979;
C017947	increase	TGFB2	ENSG00000092969	12634122;
C017947	increase	TGFB3	ENSG00000119699	12016162;
C017947	increase	TGM1	ENSG00000092295	11485391;
C017947	increase	TIMP3	ENSG00000100234	12634122;
C017947	increase	TM4SF1	ENSG00000169908	12634122;12377979;
C017947	increase	TMSB4X	ENSG00000205542	12760830;
C017947	increase	TNFRSF10B	ENSG00000120889	15741166;
C017947	increase	TNFSF10	ENSG00000121858	15741166;12634122;12727804;
C017947	increase	TOB1	ENSG00000141232	12760830;
C017947	increase	TOP2A	ENSG00000131747	12760830;12016162;
C017947	increase	TP53	ENSG00000141510	11507245;16966095;12377979;11813266;
C017947	increase	TPI1	ENSG00000111669	15899475;
C017947	increase	TRIM24	ENSG00000122779	12760830;
C017947	increase	TSPAN31	ENSG00000135452	12016162;
C017947	increase	TST	ENSG00000128311	12760830;
C017947	increase	TTR	ENSG00000118271	12760830;
C017947	increase	UAP1	ENSG00000117143	12679051;
C017947	increase	UBC	ENSG00000150991	12760830;
C017947	increase	USP4	ENSG00000114316	12016162;
C017947	increase	USP8	ENSG00000138592	12016162;
C017947	increase	VBP1	ENSG00000155959	12016162;
C017947	increase	VEGFA	ENSG00000112715	12482858;15788408;16678800;12703962;12760830;
C017947	increase	VWF	ENSG00000110799	12703962;
C017947	increase	WT1	ENSG00000184937	16966277;12016162;
C017947	increase	XK	ENSG00000047597	12016162;
C017947	increase	XRCC1	ENSG00000073050	12634122;
C017947	increase	XRCC6	ENSG00000196419	12016162;
C017947	increase	YES1	ENSG00000176105	12377979;
C017947	increase	ZEB1	ENSG00000148516	12760830;
C017947	increase	ZFP36	ENSG00000128016	12016162;
C017947	increase	ZFP36L1	ENSG00000185650	12634122;12760830;
C017953	decrease	APOC3	ENSG00000110245	15520497;

C017953	increase	ACCN3	ENSG00000213199	15520497;
C017953	increase	ATP2A2	ENSG00000174437	15520497;
C017953	increase	CYP11B1	ENSG00000160882	15520497;
C018003	increase	HRAS	ENSG00000174775	11008122;
C018003	increase	NQO1	ENSG00000181019	11008122;
C018021	affect	CAT	ENSG00000121691	16678800;
C018021	affect	IFNG	ENSG00000111537	17034590;
C018021	affect	PRKAA1	ENSG00000132356	16678800;
C018021	decrease	BCAS2	ENSG00000116752	16622835;
C018021	decrease	COPE	ENSG00000105669	16622835;
C018021	decrease	COX5A	ENSG00000178741	16622835;
C018021	decrease	EGLN2	ENSG00000171570	15695372;
C018021	decrease	EIF1AX	ENSG00000173674	16622835;
C018021	decrease	GRPEL1	ENSG00000109519	16622835;
C018021	decrease	HIF1AN	ENSG00000166135	15695372;
C018021	decrease	ITPA	ENSG00000125877	16622835;
C018021	decrease	LDHB	ENSG00000111716	16622835;
C018021	decrease	NFKBIA	ENSG00000100906	17034590;
C018021	decrease	NSFL1C	ENSG00000088833	16622835;
C018021	decrease	NUDT5	ENSG00000165609	16622835;
C018021	decrease	P4HTM	ENSG00000178467	15695372;
C018021	decrease	PCMT1	ENSG00000120265	16622835;
C018021	decrease	SEC13	ENSG00000157020	16622835;
C018021	decrease	SSBP1	ENSG00000106028	16622835;
C018021	decrease	SUGT1	ENSG00000165416	16622835;
C018021	decrease	UCHL3	ENSG00000118939	16622835;
C018021	increase	BCL2	ENSG00000171791	16827160;
C018021	increase	CD44	ENSG00000026508	16798617;
C018021	increase	CLU	ENSG00000120885	16827160;
C018021	increase	CTGF	ENSG00000118523	17034590;
C018021	increase	CYP2A6	ENSG00000198077	11038160;
C018021	increase	EGLN1	ENSG00000135766	15695372;
C018021	increase	EPO	ENSG00000130427	15743794;16827160;
C018021	increase	HIF1A	ENSG00000100644	15695405;16682453;17082
				639;16678800;16330433;19
C018021	increase	HIF3A	ENSG00000124440	196431;17034590;1677562
				6;16504308;16859120;1693
C018021	increase	HMOX1	ENSG00000100292	2349;16026872;16827160;1
C018021	increase	ICAM1	ENSG00000090339	16775626;
C018021	increase	IL1B	ENSG00000125538	16859120;
C018021	increase	IL8	ENSG00000169429	16798617;
C018021	increase	ITGA2	ENSG00000164171	16798617;
C018021	increase	ITGA5	ENSG00000161638	16798617;
C018021	increase	MCL1	ENSG00000143384	15611089;
C018021	increase	NDRG1	ENSG00000104419	16622835;
C018021	increase	PLD1	ENSG00000075651	17640750;
C018021	increase	PLD2	ENSG00000129219	17640750;
C018021	increase	PTGS2	ENSG00000073756	17640750;
C018021	increase	RNF7	ENSG00000114125	16874460;
C018021	increase	SLC2A1	ENSG00000117394	7493931;
C018021	increase	TGFB1	ENSG00000105329	17034590;
C018021	increase	TP53	ENSG00000141510	10951577;

C018021	increase	VEGFA	ENSG00000112715	16682453;16678800;15075239;15611089;16026872;15695372;16827160;
C018021	increase	WT1	ENSG00000184937	12738801;
C018145	increase	CCL2	ENSG00000108691	16376386;
C018145	increase	IL8	ENSG00000169429	16376386;
C018421	increase	CYP3A4	ENSG00000160868	16837568;
C018465	increase	CYP3A4	ENSG00000160868	19249324;
C018465	increase	IFNG	ENSG00000111537	10414782;9860237;
C018465	increase	IL4	ENSG00000113520	10414782;9860237;
C018562	increase	CYP3A4	ENSG00000160868	15075359;
C018566	decrease	GJA1	ENSG00000152661	8820588;
C018855	affect	GCLC	ENSG00000001084	15946948;
C018855	increase	ABCC1	ENSG00000103222	11836020;
C018855	increase	ABCC2	ENSG00000023839	11836020;
C018855	increase	ABCG2	ENSG00000118777	17077187;
C018855	increase	AHR	ENSG00000106546	17077187;
C018855	increase	AKR1C1	ENSG00000187134	9973208;
C018855	increase	CD86	ENSG00000114013	19033392;
C018855	increase	CYP1A1	ENSG00000140465	16581943;15608132;99732
C018855	increase	GSTP1	ENSG00000084207	15533597;
C018855	increase	HMOX1	ENSG00000100292	19033392;18227147;
C018855	increase	KEAP1	ENSG00000079999	19033392;
C018855	increase	NFE2L2	ENSG00000116044	12446695;19033392;
C018855	increase	NQO1	ENSG00000181019	9029048;19033392;
C019003	decrease	BCL2A1	ENSG00000140379	19625696;
C019003	decrease	HHIP	ENSG00000164161	19625696;
C019003	decrease	KLK3	ENSG00000142515	15141018;
C019003	decrease	MYC	ENSG00000136997	19625696;
C019003	increase	CDKN1C	ENSG00000129757	19625696;
C019003	increase	EGR1	ENSG00000120738	19625696;
C019003	increase	HMOX1	ENSG00000100292	19625696;
C019003	increase	PPARG	ENSG00000132170	19625696;
C019046	increase	PGR	ENSG00000082175	12753421;
C019046	increase	TFF1	ENSG00000160182	12753421;
C019107	increase	IL8	ENSG00000169429	9628260;9707512;
C019248	decrease	BCL2	ENSG00000171791	10780527;
C019248	decrease	COL1A1	ENSG00000108821	19597852;
C019248	decrease	FGF23	ENSG00000118972	15838626;
C019248	increase	CRP	ENSG00000132693	9351880;
C019248	increase	IL6	ENSG00000136244	9351880;
C019248	increase	TNF	ENSG00000223952	9351880;
C019248	increase	TNFRSF11B	ENSG00000164761	11855844;
C019273	affect	DDX58	ENSG00000107201	16303604;
C019273	increase	NPHS1	ENSG00000161270	16687628;
C019304	increase	PPARA	ENSG00000186951	16680075;
C019304	increase	SULT2A1	ENSG00000105398	15635043;
C020174	decrease	GSTP1	ENSG00000084207	12007958;
C020174	decrease	MYC	ENSG00000136997	12007958;
C020174	increase	CCL5	ENSG00000161570	12007958;
C020174	increase	IL2RA	ENSG00000134460	12007958;
C020174	increase	MYB	ENSG00000118513	12007958;
C020174	increase	SOD2	ENSG00000112096	12007958;
C020243	increase	CXCL10	ENSG00000169245	14600836;

C020243	increase	CXCL12	ENSG00000107562	14600836;
C020326	increase	ABCB1	ENSG00000085563	18385176;
C020326	increase	CYP2E1	ENSG00000130649	17034788;
C020326	increase	KRT18	ENSG00000111057	17034788;
C020326	increase	KRT8	ENSG00000170421	17034788;
C020365	increase	FKBP5	ENSG00000096060	19255438;
C020365	increase	TNF	ENSG00000223952	16318612;
C020365	increase	TSC22D3	ENSG00000157514	19255438;
C020711	increase	ACTA2	ENSG00000107796	16314022;
C020711	increase	ANXA5	ENSG00000164111	16314022;
C020711	increase	CCL5	ENSG00000161570	16314022;
C020711	increase	CD44	ENSG00000026508	16314022;
C020711	increase	CDKN1A	ENSG00000124762	17395767;
C020711	increase	CDKN2A	ENSG00000147889	17395767;
C020711	increase	CTSL2	ENSG00000136943	16314022;
C020711	increase	CXCL3	ENSG00000163734	16314022;
C020711	increase	EGR2	ENSG00000122877	16314022;
C020711	increase	HLA-A	ENSG00000206503	16314022;
C020711	increase	HLA-C	ENSG00000204525	16314022;
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C020711	increase	NEDD8	ENSG00000129559	16314022;
C020711	increase	NOVA1	ENSG00000248163	16314022;
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C020711	increase	RPL30	ENSG00000156482	16314022;
C020711	increase	RPL37A	ENSG00000197756	16314022;
C020711	increase	RPS7	ENSG00000171863	16314022;
C020711	increase	SERPINB2	ENSG00000197632	16314022;
C020711	increase	SFTPD	ENSG00000133661	16314022;
C020711	increase	TMSB4X	ENSG00000205542	16314022;
C020711	increase	TP53	ENSG00000141510	17395767;
C020711	increase	WNT4	ENSG00000162552	16314022;
C020711	increase	ZNF77	ENSG00000175691	16314022;
C020748	decrease	CRP	ENSG00000132693	15963385;17119383;
C020748	decrease	IL6	ENSG00000136244	17119383;
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C020748	increase	HIF1A	ENSG00000100644	16386771;17973296;
C020748	increase	IL4	ENSG00000113520	15963385;
C020748	increase	IL8	ENSG00000169429	15081272;
C020748	increase	TNF	ENSG00000223952	15963385;
C020754	increase	ICAM1	ENSG00000090339	12044887;
C020754	increase	IFNG	ENSG00000111537	12044887;
C020806	increase	CYP21A2	ENSG00000231852	18313098;
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C020806	increase	TFF1	ENSG00000160182	12753421;11693576;
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C020888	decrease	CPA3	ENSG00000163751	14668052;
C020888	decrease	CXCL9	ENSG00000138755	14668052;
C020888	decrease	DUSP1	ENSG00000120129	14668052;
C020888	decrease	EDNRB	ENSG00000136160	14668052;
C020888	decrease	GLRX	ENSG00000173221	14668052;

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C020922	increase	IL2	ENSG00000109471	18423386;
C020924	increase	F2	ENSG00000180210	18597608;
C020924	increase	FOS	ENSG00000170345	18597608;
C020924	increase	MYC	ENSG00000136997	18597608;
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C020972	increase	ALB	ENSG00000163631	11961005;
C020972	increase	AR	ENSG00000169083	16139439;
C020972	increase	BCL2	ENSG00000171791	16139439;
C020972	increase	BIRC3	ENSG00000023445	14527959;
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C020972	increase	EGF	ENSG00000138798	16340751;
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C020972	increase	FOS	ENSG00000170345	17032174;
C020972	increase	GATA1	ENSG00000102145	10656287;
C020972	increase	HMBS	ENSG00000149397	10656287;
C020972	increase	HMOX1	ENSG00000100292	16972258;
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C020972	increase	IL8	ENSG00000169429	15622447;11306435;12016129;
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C020972	increase	PLAU	ENSG00000122861	16340751;
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C021304	decrease	SIRT1	ENSG00000096717	18552516;
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C021751	decrease	ALDH3A2	ENSG00000072210	15849732;
C021751	decrease	ASNS	ENSG00000070669	15849732;
C021751	decrease	ASS1	ENSG00000130707	15849732;
C021751	decrease	BCKDHB	ENSG00000083123	15849732;
C021751	decrease	BCL2	ENSG00000171791	16009009;
C021751	decrease	BIRC3	ENSG00000023445	15849732;
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C021751	decrease	ETS2	ENSG00000157557	15849732;
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C021751	increase	CST6	ENSG00000175315	15849732;
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C021751	increase	GFAP	ENSG00000131095	16955220;
C021751	increase	GRB7	ENSG00000141738	15849732;
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C021751	increase	WFDC2	ENSG00000101443	15849732;

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C022776	decrease	FAS	ENSG00000026103	16712844;
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C022777	increase	FOS	ENSG00000170345	10712238;
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C022777	increase	TNF	ENSG00000223952	10712238;
C022830	decrease	TUBB4	ENSG00000104833	15924336;
C022830	decrease	XIAP	ENSG00000101966	16356831;
C022830	increase	CCNB1	ENSG00000134057	16356831;
C022830	increase	PRDX4	ENSG00000123131	18272409;
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C022921	increase	AHR	ENSG00000106546	17077187;15917307;
C022921	increase	CYP1A1	ENSG00000140465	15576448;15566942;
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C022921	increase	UGT1A6	ENSG00000167165	15566942;
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C022999	decrease	BAX	ENSG00000087088	15863893;
C022999	decrease	XIAP	ENSG00000101966	15863893;
C023035	affect	CTSD	ENSG00000117984	16489053;
C023035	increase	AGTR1	ENSG00000144891	14962509;
C023035	increase	AHR	ENSG00000106546	16705413;16049271;10448124;16489053;
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C023035	increase	ESR1	ENSG00000091831	16489053;
C023035	increase	HSD3B2	ENSG00000203859	16216300;
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C023386	decrease	HSD3B2	ENSG00000203859	16650473;
C023386	increase	AHR	ENSG00000106546	16650473;
C023386	increase	CYP11B2	ENSG00000179142	16650473;
C023514	increase	DDIT3	ENSG00000175197	16705839;
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C023514	increase	GADD45A	ENSG00000116717	16705839;
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C023600	decrease	BAG1	ENSG00000250477	12634122;

C023600	decrease	BMP2	ENSG00000125845	12634122;
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C023600	decrease	CAT	ENSG00000121691	12634122;
C023600	decrease	CDKN1A	ENSG00000124762	12634122;
C023600	decrease	CKB	ENSG00000166165	12634122;
C023600	decrease	CKM	ENSG00000104879	12634122;
C023600	decrease	CXCR4	ENSG00000121966	12634122;
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C023600	decrease	ERCC2	ENSG00000104884	12634122;
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C023600	decrease	HCK	ENSG00000101336	12634122;
C023600	decrease	ID1	ENSG00000125968	12634122;
C023600	decrease	ID2	ENSG00000115738	12634122;
C023600	decrease	IGFBP7	ENSG00000163453	12634122;
C023600	decrease	MAP2K6	ENSG00000108984	12634122;
C023600	decrease	MAPK4	ENSG00000141639	12634122;
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C023600	decrease	MCC	ENSG00000171444	12634122;
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C023600	decrease	RARRES3	ENSG00000133321	12634122;
C023600	decrease	RET	ENSG00000165731	12634122;
C023600	decrease	SGK1	ENSG00000118515	12634122;
C023600	decrease	SLC2A3	ENSG00000059804	12634122;
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C023600	decrease	SSPN	ENSG00000123096	12634122;
C023600	decrease	STOM	ENSG00000148175	12634122;
C023600	decrease	TGFB2	ENSG00000092969	12634122;
C023600	decrease	TM4SF1	ENSG00000169908	12634122;
C023600	decrease	TNFRSF1B	ENSG00000028137	12634122;
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C023600	increase	CASP10	ENSG00000003400	12634122;
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C023600	increase	COL6A2	ENSG00000142173	12634122;
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C023600	increase	LRPAP1	ENSG00000163956	12634122;

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C023600	increase	MT3	ENSG00000087250	12634122;
C023600	increase	NFIX	ENSG00000008441	12634122;
C023600	increase	NTHL1	ENSG00000065057	12634122;
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C023617	increase	BCL2A1	ENSG00000140379	15322087;
C023617	increase	BCL2	ENSG00000171791	15322087;
C023617	increase	BIRC2	ENSG00000110330	15322087;
C023617	increase	BIRC5	ENSG00000089685	15322087;
C023617	increase	CCND1	ENSG00000110092	15322087;
C023617	increase	CFLAR	ENSG00000003402	15322087;
C023617	increase	CYP3A4	ENSG00000160868	15075359;
C023617	increase	CYP7A1	ENSG00000167910	12705905;
C023617	increase	MMP9	ENSG00000100985	15322087;
C023617	increase	MYC	ENSG00000136997	15322087;
C023617	increase	NR1H4	ENSG00000012504	12705905;
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C023617	increase	PTGS2	ENSG00000073756	15322087;
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C023617	increase	TRAF1	ENSG00000056558	15322087;
C023617	increase	VEGFA	ENSG00000112715	15322087;
C023617	increase	XIAP	ENSG00000101966	15322087;
C023623	decrease	BCL2	ENSG00000171791	17557751;
C023635	decrease	CD4	ENSG00000010610	10813102;
C023635	decrease	IGF1	ENSG00000017427	11172797;
C023635	decrease	PLAT	ENSG00000104368	15288212;
C023635	decrease	PROS1	ENSG00000184500	15288212;
C023635	decrease	SERPINE1	ENSG00000106366	15288212;
C023635	increase	CRP	ENSG00000132693	15970291;
C023635	increase	F2	ENSG00000180210	15288212;
C023635	increase	F7	ENSG00000057593	15288212;
C023635	increase	FGA	ENSG00000171560	15288212;
C023635	increase	FGB	ENSG00000171564	15288212;
C023635	increase	FGG	ENSG00000171557	15288212;
C023635	increase	IL8	ENSG00000169429	15866594;
C023635	increase	TNF	ENSG00000223952	15866594;
C023650	affect	CDKN1A	ENSG00000124762	16039525;
C023650	decrease	CYP19A1	ENSG00000137869	16480277;
C023650	decrease	SKP2	ENSG00000145604	16039525;
C023650	increase	CDKN1B	ENSG00000111276	16039525;
C023663	decrease	IL8	ENSG00000169429	16973179;
C023663	decrease	PTGS2	ENSG00000073756	16973179;
C023663	decrease	TNF	ENSG00000223952	16973179;
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C023666	increase	CYP2E1	ENSG00000130649	12147272;12464242;80747
C023844	decrease	CCDC120	ENSG00000147144	15878651;
C023844	decrease	CLK1	ENSG00000013441	15878651;
C023844	decrease	7-Sep	ENSG00000122545	15878651;
C023844	decrease	VEGFA	ENSG00000112715	15878651;
C023844	increase	DCLRE1C	ENSG00000152457	15878651;
C023844	increase	FTH1	ENSG00000167996	15878651;
C023844	increase	FTL	ENSG00000087086	15878651;
C023844	increase	HMGB1	ENSG00000189403	15878651;
C023844	increase	HMGB2	ENSG00000164104	15878651;

C023844	increase	PCNA	ENSG00000132646	15878651;
C023844	increase	STMN1	ENSG00000117632	15878651;
C023888	decrease	ESR1	ENSG00000091831	12948864;15064155;
C023888	decrease	MAPK1	ENSG00000100030	12948864;
C023888	decrease	MAPK3	ENSG00000102882	12948864;
C023888	increase	ERBB2	ENSG00000141736	11222871;12948864;
C023888	increase	MMP9	ENSG00000100985	12948864;
C023888	increase	PGR	ENSG00000082175	16242299;
C023888	increase	TFF1	ENSG00000160182	16242299;
C023889	decrease	ESR1	ENSG00000091831	17904202;
C023889	increase	PGR	ENSG00000082175	17904202;
C023889	increase	TFF1	ENSG00000160182	17904202;
C023891	increase	ALB	ENSG00000163631	2015207;
C023990	decrease	CD40	ENSG00000101017	11306145;
C023990	decrease	HRH2	ENSG00000113749	11306145;
C023990	decrease	PTPRC	ENSG00000081237	11306145;
C024262	decrease	CCL5	ENSG00000161570	16842799;
C024262	decrease	VCAM1	ENSG00000162692	17903073;
C024262	increase	CRP	ENSG00000132693	17903073;
C024348	increase	ALOX15	ENSG00000161905	11406566;
C024352	affect	TNFRSF10A	ENSG00000104689	14614459;
C024352	decrease	CCNA2	ENSG00000145386	15059916;
C024352	decrease	CCND1	ENSG00000110092	15059916;
C024352	decrease	CCNE1	ENSG00000105173	15059916;
C024352	decrease	CDKN1B	ENSG00000111276	15059916;
C024352	decrease	HIF1A	ENSG00000100644	15213310;
C024352	decrease	VEGFA	ENSG00000112715	15213310;
C024352	increase	BBC3	ENSG00000105327	16439685;
C024352	increase	CDKN1A	ENSG00000124762	16439685;16439677;
C024352	increase	FAS	ENSG00000026103	11675354;
C024352	increase	GDF15	ENSG00000130513	16439677;
C024352	increase	MCL1	ENSG00000143384	15059916;
C024352	increase	PCNA	ENSG00000132646	16439677;
C024352	increase	TNFRSF10B	ENSG00000120889	14614459;18092340;
C024352	increase	TP53	ENSG00000141510	17226861;18092340;16439677;
C024352	increase	XIAP	ENSG00000101966	15059916;
C024352	increase	ZMAT3	ENSG00000172667	16439685;
C024555	increase	IL1B	ENSG00000125538	9851740;
C024555	increase	IL8	ENSG00000169429	15081272;
C024587	decrease	TNFRSF11B	ENSG00000164761	18264100;
C024587	increase	TNFSF11	ENSG00000120659	18264100;
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C024746	decrease	APOE	ENSG00000130203	19559774;
C024746	decrease	ARID5B	ENSG00000150347	19559774;
C024746	decrease	ARL4D	ENSG00000175906	19559774;
C024746	decrease	ATP2B4	ENSG00000058668	19559774;
C024746	decrease	AUTS2	ENSG00000158321	19559774;
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C024746	decrease	C18ORF56	ENSG00000176912	19559774;
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C024746	decrease	CD86	ENSG00000114013	19559774;
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C024746	decrease	CLDN5	ENSG00000184113	19559774;
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C024746	decrease	CNTNAP2	ENSG00000174469	19559774;
C024746	decrease	CNTNAP3B	ENSG00000236029	19559774;
C024746	decrease	COL22A1	ENSG00000169436	19559774;
C024746	decrease	CRBN	ENSG00000113851	19559774;
C024746	decrease	CRLF1	ENSG00000006016	19559774;
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C024746	decrease	DSG3	ENSG00000134757	19559774;
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C024746	decrease	ELF3	ENSG00000163435	19559774;
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C024746	decrease	FAM84B	ENSG00000168672	19559774;
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C024746	decrease	FOXF2	ENSG00000137273	19559774;
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C024746	decrease	FYN	ENSG00000010810	19559774;
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C024746	decrease	GSN	ENSG00000148180	19559774;
C024746	decrease	HES2	ENSG00000069812	19559774;
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C024746	decrease	IL18R1	ENSG00000115604	19559774;
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C024746	decrease	IRX4	ENSG00000113430	19559774;
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C024746	decrease	LY96	ENSG00000154589	19559774;
C024746	decrease	MAP2	ENSG00000078018	19559774;
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C024746	decrease	MKRN2	ENSG00000075975	19559774;
C024746	decrease	MYEOV	ENSG00000172927	19559774;
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C024746	decrease	PKN3	ENSG00000160447	19559774;
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C024746	decrease	PPAP2B	ENSG00000162407	19559774;
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C024746	decrease	SRCRB4D	ENSG00000146700	19559774;
C024746	decrease	ST6GALNA C2	ENSG00000070731	19559774;
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C024746	decrease	TFF3	ENSG00000160180	19559774;
C024746	decrease	TGM2	ENSG00000198959	19559774;
C024746	decrease	TMC4	ENSG00000167608	19559774;
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C024746	increase	SLC10A7	ENSG00000120519	19559774;
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C024746	increase	TSPAN18	ENSG00000157570	19559774;
C024746	increase	UCHL1	ENSG00000154277	19559774;
C024808	increase	CYB5A	ENSG00000166347	3689822;
C024989	increase	NDUFB6	ENSG00000165264	19523936;
C024989	increase	NDUFS7	ENSG00000115286	19523936;
C024989	increase	SNCA	ENSG00000145335	15114628;
C025034	affect	DPYD	ENSG00000188641	16646564;16734730;18630517;
C025034	affect	TYMS	ENSG00000176890	16734730;18630517;
C025034	increase	IFNA1	ENSG00000197919	17988526;
C025034	increase	IFNG	ENSG00000111537	15301717;
C025034	increase	TNF	ENSG00000223952	17988526;
C025034	increase	TYMP	ENSG00000025708	15864645;16457948;15301717;18630517;17988526;
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C025160	decrease	MYC	ENSG00000136997	15670817;
C025160	increase	BGLAP	ENSG00000242252	15670817;
C025160	increase	CDKN1A	ENSG00000124762	15670817;
C025160	increase	INS	ENSG00000129965	16505238;
C025160	increase	SPP1	ENSG00000118785	15670817;
C025256	decrease	ARHGDIA	ENSG00000141522	15159206;
C025256	decrease	ENO2	ENSG00000111674	15159206;
C025256	decrease	IGFBP5	ENSG00000115461	15159206;
C025256	decrease	SELENBP1	ENSG00000143416	15159206;
C025256	decrease	SLC12A2	ENSG00000064651	15159206;
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C025256	increase	EGR3	ENSG00000179388	15159206;
C025256	increase	GSTA2	ENSG00000244067	16054331;
C025256	increase	LGALS3	ENSG00000131981	16054331;
C025256	increase	PGR	ENSG00000082175	14579009;18262749;
C025256	increase	PRDX1	ENSG00000117450	16054331;
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C025256	increase	SLC7A11	ENSG00000151012	15159206;
C025256	increase	WARS	ENSG00000140105	15159206;
C025292	increase	ACAN	ENSG00000157766	18321735;
C025292	increase	COL1A1	ENSG00000108821	18321735;
C025292	increase	COL2A1	ENSG00000139219	18321735;
C025292	increase	IL1B	ENSG00000125538	18321735;
C025299	decrease	ABCC1	ENSG00000103222	15465739;
C025299	decrease	APOB	ENSG00000084674	16046716;
C025299	decrease	APOE	ENSG00000130203	16046716;
C025299	decrease	ARHGAP4	ENSG00000089820	15465739;
C025299	decrease	BCR	ENSG00000186716	15465739;
C025299	decrease	BRCC3	ENSG00000185515	15465739;
C025299	decrease	CD79A	ENSG00000105369	15465739;
C025299	decrease	CEBPG	ENSG00000153879	15465739;
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C025299	decrease	CYBB	ENSG00000165168	19450372;
C025299	decrease	FLT3LG	ENSG00000090554	15465739;
C025299	decrease	FTH1	ENSG00000167996	15465739;
C025299	decrease	GSTP1	ENSG00000084207	15465739;
C025299	decrease	HSPD1	ENSG00000144381	15465739;
C025299	decrease	IL6	ENSG00000136244	16702388;
C025299	decrease	IRF4	ENSG00000137265	15465739;
C025299	decrease	IVL	ENSG00000163207	10769631;
C025299	decrease	MAP2K1	ENSG00000169032	15465739;
C025299	decrease	NCF1	ENSG00000158517	19450372;
C025299	decrease	NPM1	ENSG00000181163	15465739;
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C025299	decrease	RPL6	ENSG00000089009	15465739;
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C025299	decrease	TOP2A	ENSG00000131747	15465739;
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C025299	decrease	XRCC1	ENSG00000073050	15465739;
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C025299	increase	CD81	ENSG00000110651	15465739;
C025299	increase	CSF2RB	ENSG00000100368	15465739;
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C025299	increase	ETS1	ENSG00000134954	15465739;
C025299	increase	GRN	ENSG00000030582	15465739;
C025299	increase	HCFC1	ENSG00000172534	15465739;
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C025299	increase	IL10	ENSG00000136634	15465739;
C025299	increase	IL2RA	ENSG00000134460	15465739;
C025299	increase	IL4	ENSG00000113520	15465739;
C025299	increase	IRAK1	ENSG00000184216	15465739;
C025299	increase	IRF2	ENSG00000168310	15465739;
C025299	increase	ITGA2B	ENSG00000005961	15465739;
C025299	increase	ITGAL	ENSG00000005844	15465739;
C025299	increase	MIF	ENSG00000240972	15465739;
C025299	increase	MLF2	ENSG00000089693	15465739;
C025299	increase	NUP214	ENSG00000126883	15465739;
C025299	increase	PBX2	ENSG00000236353	15465739;
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C025299	increase	SELL	ENSG00000188404	15465739;
C025299	increase	SLC20A1	ENSG00000144136	15465739;
C025299	increase	STAT6	ENSG00000166888	15465739;
C025299	increase	TCF7	ENSG00000081059	15465739;
C025299	increase	TNK2	ENSG00000061938	15465739;
C025299	increase	XCR1	ENSG00000173578	15465739;
C025299	increase	ZNF593	ENSG00000142684	15465739;
C025314	increase	HIF1A	ENSG00000100644	17364964;
C025314	increase	IL8	ENSG00000169429	17097691;
C025314	increase	TFRC	ENSG00000072274	17364964;
C025340	decrease	ACO2	ENSG00000100412	16625280;
C025340	increase	CD86	ENSG00000114013	15737199;
C025430	increase	PTPN13	ENSG00000163629	15876410;
C025462	affect	PTGS1	ENSG00000095303	11700559;12203115;11245490;
C025462	decrease	ACTN1	ENSG00000072110	16184548;
C025462	decrease	ADAM9	ENSG00000168615	16184548;
C025462	decrease	ADRA2C	ENSG00000184160	12734198;
C025462	decrease	ALDOC	ENSG00000109107	16184548;
C025462	decrease	APOL1	ENSG00000100342	16184548;
C025462	decrease	AR	ENSG00000169083	14581372;
C025462	decrease	ARL6IP1	ENSG00000170540	12734198;
C025462	decrease	ARPC1B	ENSG00000130429	12734198;
C025462	decrease	ASAH1	ENSG00000104763	16184548;
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C025462	decrease	BAD	ENSG00000002330	18678619;17409426;
C025462	decrease	BCAM	ENSG00000187244	12734198;
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C025462	decrease	BUB1B	ENSG00000156970	16184548;
C025462	decrease	CD46	ENSG00000117335	16184548;
C025462	decrease	CDH17	ENSG00000079112	16184548;
C025462	decrease	CFLAR	ENSG00000003402	11912124;
C025462	decrease	CLP1	ENSG00000172409	12734198;
C025462	decrease	CTSC	ENSG00000109861	16184548;
C025462	decrease	CYB5B	ENSG00000103018	12734198;
C025462	decrease	DDX11	ENSG00000013573	16184548;
C025462	decrease	DHCR24	ENSG00000116133	16184548;
C025462	decrease	DHCR7	ENSG00000172893	16184548;
C025462	decrease	DYNLL1	ENSG00000088986	12734198;
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C025462	decrease	FDPS	ENSG00000160752	16184548;
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C025462	decrease	KRT5	ENSG00000186081	12734198;
C025462	decrease	LAMP1	ENSG00000185896	16184548;
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C025462	decrease	LDLR	ENSG00000130164	16184548;
C025462	decrease	MAD2L1	ENSG00000164109	12734198;
C025462	decrease	MAL	ENSG00000172005	16184548;
C025462	decrease	MAP3K1	ENSG00000095015	12734198;
C025462	decrease	MCM2	ENSG00000073111	16184548;
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C025462	decrease	MUC1	ENSG00000185499	16184548;
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C025462	decrease	PKM2	ENSG00000067225	16184548;
C025462	decrease	PLAU	ENSG00000122861	15767558;
C025462	decrease	POLD3	ENSG00000077514	16184548;
C025462	decrease	PPP2R1A	ENSG00000105568	12734198;
C025462	decrease	PPT1	ENSG00000131238	16184548;

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C025462	decrease	PRSS23	ENSG00000150687	12734198;
C025462	decrease	PSG6	ENSG00000170848	12734198;
C025462	decrease	PSG8	ENSG00000124467	12734198;
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C025462	decrease	RRM2	ENSG00000171848	12734198;
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C025462	decrease	SKP2	ENSG00000145604	16184548;
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C025462	decrease	SREBF2	ENSG00000198911	16184548;
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C025462	decrease	TK1	ENSG00000167900	16184548;
C025462	decrease	TMPO	ENSG00000120802	16184548;
C025462	decrease	TMSB4X	ENSG00000205542	15292456;
C025462	decrease	TSPAN8	ENSG00000127324	16184548;
C025462	decrease	TUBA4A	ENSG00000127824	12734198;
C025462	decrease	UBA7	ENSG00000182179	16184548;
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C025462	increase	ADM	ENSG00000148926	16184548;
C025462	increase	AGXT2L1	ENSG00000164089	12734198;
C025462	increase	AKAP12	ENSG00000131016	12734198;
C025462	increase	AKR1C1	ENSG00000187134	16184548;
C025462	increase	ALOX15	ENSG00000161905	16166323;
C025462	increase	ANXA5	ENSG00000164111	18678619;
C025462	increase	APOA1	ENSG00000118137	19013290;
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C025462	increase	CACNG3	ENSG00000006116	16184548;
C025462	increase	CCAR1	ENSG00000060339	12734198;
C025462	increase	CCND1	ENSG00000110092	14710233;15767558;15188006;
C025462	increase	CD4	ENSG00000010610	12734198;
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C025462	increase	CEBPB	ENSG00000172216	16184548;12734198;
C025462	increase	CRYAB	ENSG00000109846	16184548;
C025462	increase	CTGF	ENSG00000118523	12734198;16184548;
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C025462	increase	ESD	ENSG00000139684	12734198;
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C025462	increase	FABP4	ENSG00000170323	17602619;18665581;
C025462	increase	FAM129A	ENSG00000135842	12734198;
C025462	increase	GARS	ENSG00000106105	12734198;
C025462	increase	GDF15	ENSG00000130513	15509713;15767558;12734198;11925476;15180942;1555568;
C025462	increase	GK	ENSG00000198814	16184548;
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C025462	increase	HSPA1B	ENSG00000232804	16184548;
C025462	increase	HSPA6	ENSG00000173110	16184548;
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C025462	increase	IFRD1	ENSG00000006652	12734198;
C025462	increase	IL1R1	ENSG00000115594	16184548;
C025462	increase	IL8	ENSG00000169429	16184548;
C025462	increase	ISG20	ENSG00000172183	16184548;
C025462	increase	JAG2	ENSG00000184916	16184548;
C025462	increase	JUN	ENSG00000177606	16704987;
C025462	increase	KLHL21	ENSG00000162413	16184548;
C025462	increase	KRT14	ENSG00000186847	16184548;
C025462	increase	KRT16	ENSG00000186832	16184548;
C025462	increase	KRT17	ENSG00000128422	16184548;
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C025462	increase	MAN2B2	ENSG00000013288	12734198;
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C025462	increase	MAPK10	ENSG00000109339	12734198;
C025462	increase	MAPK1	ENSG00000100030	15548677;17599376;16079301;18261746;
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C025462	increase	MRAS	ENSG00000158186	16184548;
C025462	increase	MT1F	ENSG00000198417	16184548;
C025462	increase	MTFR1	ENSG00000066855	16184548;
C025462	increase	MTHFD2	ENSG00000065911	12734198;
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C025462	increase	NUP133	ENSG00000069248	12734198;
C025462	increase	ODC1	ENSG00000115758	16184548;
C025462	increase	PAWR	ENSG00000177425	10833474;
C025462	increase	PMAIP1	ENSG00000141682	16184548;
C025462	increase	PPARA	ENSG00000186951	11948457;
C025462	increase	PPARD	ENSG00000112033	17409426;16091736;10555149;18678619;11948457;

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C025462	increase	PRKACA	ENSG00000072062	16184548;
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C025462	increase	RGS16	ENSG00000143333	16184548;
C025462	increase	RHOA	ENSG00000067560	18261746;
C025462	increase	RRS1	ENSG00000179041	12734198;
C025462	increase	S100P	ENSG00000163993	16184548;
C025462	increase	SERPINE1	ENSG00000106366	15897233;
C025462	increase	SLC25A45	ENSG00000162241	12734198;
C025462	increase	SLC3A2	ENSG00000168003	16184548;
C025462	increase	SPRR1B	ENSG00000169469	16184548;
C025462	increase	SQSTM1	ENSG00000161011	16184548;
C025462	increase	STC2	ENSG00000113739	12734198;
C025462	increase	STK17B	ENSG00000081320	16184548;
C025462	increase	SYDE1	ENSG00000105137	12734198;
C025462	increase	TFAP2B	ENSG00000008196	16184548;
C025462	increase	THBS1	ENSG00000137801	16227405;18261746;
C025462	increase	TMEM49	ENSG00000062716	12734198;
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C025462	increase	TNFRSF10A	ENSG00000104689	15180942;
C025462	increase	TNFRSF10B	ENSG00000120889	12203115;12208739;11559570;15180942;
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C025462	increase	UBE2D1	ENSG00000072401	16184548;
C025462	increase	UGT1A1	ENSG00000241635	17985343;
C025462	increase	UPP1	ENSG00000183696	16184548;
C025462	increase	XRCC6	ENSG00000196419	12734198;
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C025463	decrease	CCND1	ENSG00000110092	12392815;15188006;
C025463	decrease	ESR1	ENSG00000091831	16740773;
C025463	decrease	KLK3	ENSG00000142515	14581372;11490238;
C025463	decrease	MMP7	ENSG00000137673	15725655;
C025463	decrease	NFKBIA	ENSG00000100906	18059344;
C025463	decrease	PGR	ENSG00000082175	16740773;
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C025463	increase	GATA6	ENSG00000141448	11861401;
C025463	increase	HINT1	ENSG00000169567	18593937;
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C025463	increase	NGFR	ENSG00000064300	17447067;
C025463	increase	NQO1	ENSG00000181019	17985343;
C025463	increase	PPARA	ENSG00000186951	11948457;
C025463	increase	PPARD	ENSG00000112033	11948457;
C025463	increase	PPARG	ENSG00000132170	14506281;11948457;
C025463	increase	PRKG1	ENSG00000185532	16731751;11602670;

C025463	increase	PTGS2	ENSG00000073756	14506281;11948457;
C025463	increase	SAT1	ENSG00000130066	14506281;16262603;
C025463	increase	TNFRSF10B	ENSG00000120889	11559570;
C025463	increase	UGT1A1	ENSG00000241635	15843492;17985343;
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C025473	decrease	BIRC2	ENSG00000110330	14612938;
C025473	increase	BAX	ENSG00000087088	14612938;
C025566	affect	CD14	ENSG00000170458	14499251;
C025566	affect	HRH2	ENSG00000113749	14499251;
C025566	decrease	CCL2	ENSG00000108691	17507084;
C025589	increase	IL1B	ENSG00000125538	18308354;
C025589	increase	IL8	ENSG00000169429	18308354;
C025603	increase	MMP9	ENSG00000100985	19371603;
C025643	increase	CYP19A1	ENSG00000137869	12127262;
C025643	increase	CYP1A1	ENSG00000140465	15979257;
C025643	increase	PGR	ENSG00000082175	14579009;16750840;18262749;
C025946	decrease	HIF1A	ENSG00000100644	18927491;
C026105	decrease	CCND1	ENSG00000110092	16987298;
C026105	decrease	CCNE1	ENSG00000105173	16987298;
C026105	decrease	CDK2	ENSG00000123374	16987298;
C026105	decrease	CDK4	ENSG00000135446	16987298;
C026105	decrease	CDK6	ENSG00000105810	16987298;
C026105	decrease	MKI67	ENSG00000148773	16987298;
C026105	increase	AIFM1	ENSG00000156709	16987298;
C026105	increase	BAX	ENSG00000087088	16987298;
C026105	increase	CDKN1A	ENSG00000124762	16987298;
C026105	increase	CDKN2A	ENSG00000147889	16987298;
C026105	increase	FAS	ENSG00000026103	16987298;
C026105	increase	TP53	ENSG00000141510	16987298;
C026209	decrease	IVL	ENSG00000163207	10769631;
C026209	increase	CYP1A1	ENSG00000140465	15890477;
C026209	increase	CYP1B1	ENSG00000138061	15890477;
C026209	increase	GSTP1	ENSG00000084207	16950796;
C026209	increase	MGMT	ENSG00000170430	16950796;
C026609	decrease	BCL2	ENSG00000171791	17619073;
C026609	decrease	BCL2L1	ENSG00000171552	17619073;
C026609	increase	BAX	ENSG00000087088	17619073;
C026609	increase	FADD	ENSG00000168040	17619073;
C026609	increase	FAS	ENSG00000026103	17619073;
C026609	increase	TNFRSF1A	ENSG00000067182	17619073;
C026609	increase	TRADD	ENSG00000102871	17619073;
C026702	increase	PRDX4	ENSG00000123131	18272409;
C026777	increase	MAPK1	ENSG00000100030	11675405;
C026777	increase	MAPK3	ENSG00000102882	11675405;
C026777	increase	TNF	ENSG00000223952	11675405;
C027005	increase	IL1B	ENSG00000125538	12573452;
C027005	increase	PTGS2	ENSG00000073756	12573452;
C027185	decrease	IFNG	ENSG00000111537	11134660;
C027185	increase	CSF3R	ENSG00000119535	16115123;
C027185	increase	ITGB2	ENSG00000160255	16115123;
C027185	increase	NCF1	ENSG00000158517	16115123;
C027235	increase	BAX	ENSG00000087088	17121930;
C027309	increase	CYP11B1	ENSG00000160882	16396990;

C027309	increase	CYP11B2	ENSG00000179142	16396990;
C027385	decrease	ICAM1	ENSG00000090339	17882670;
C027385	decrease	SELE	ENSG00000007908	17882670;
C027385	decrease	VCAM1	ENSG00000162692	17882670;
C027385	increase	CRP	ENSG00000132693	17882670;
C027385	increase	F3	ENSG00000117525	16011840;
C027385	increase	SERPINE1	ENSG00000106366	16011840;
C027478	decrease	IL12RB2	ENSG00000081985	12047756;12864811;
C027478	increase	CD80	ENSG00000121594	12864811;
C027478	increase	CD86	ENSG00000114013	12864811;
C027478	increase	CTLA4	ENSG00000163599	12864811;
C027561	increase	SLC5A5	ENSG00000105641	16257484;
C027576	decrease	ADORA1	ENSG00000163485	12419474;
C027576	decrease	AMPH	ENSG00000078053	12419474;
C027576	decrease	APC	ENSG00000134982	12419474;
C027576	decrease	APP	ENSG00000142192	12419474;
C027576	decrease	ARHGAP5	ENSG00000100852	12419474;
C027576	decrease	ARHGDIA	ENSG00000141522	12419474;
C027576	decrease	ATP1B3	ENSG00000069849	12419474;
C027576	decrease	ATR	ENSG00000175054	12419474;
C027576	decrease	BAD	ENSG00000002330	12419474;
C027576	decrease	BCL2L1	ENSG00000171552	12419474;
C027576	decrease	BMP1	ENSG00000168487	12419474;
C027576	decrease	BNIP3	ENSG00000176171	12419474;
C027576	decrease	BRAF	ENSG00000157764	12419474;
C027576	decrease	C6ORF108	ENSG00000112667	12419474;
C027576	decrease	CAPN2	ENSG00000162909	12419474;
C027576	decrease	CAPNS1	ENSG00000126247	12419474;
C027576	decrease	CASK	ENSG00000147044	12419474;
C027576	decrease	CASP8	ENSG00000064012	12419474;
C027576	decrease	CBLB	ENSG00000114423	12419474;
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C027576	decrease	CCNA2	ENSG00000145386	12419474;
C027576	decrease	CCND2	ENSG00000118971	15607904;
C027576	decrease	CCNK	ENSG00000090061	12419474;
C027576	decrease	CCNT1	ENSG00000129315	12419474;
C027576	decrease	CCR1	ENSG00000163823	12419474;
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C027576	decrease	CDC20	ENSG00000117399	12419474;
C027576	decrease	CDC25A	ENSG00000164045	12419474;
C027576	decrease	CDH2	ENSG00000170558	12419474;
C027576	decrease	CDH3	ENSG00000062038	12419474;
C027576	decrease	CDK9	ENSG00000136807	12419474;
C027576	decrease	CDKN1C	ENSG00000129757	12419474;
C027576	decrease	CDKN2D	ENSG00000129355	12419474;
C027576	decrease	CLK3	ENSG00000179335	12419474;
C027576	decrease	COMT	ENSG00000093010	12419474;
C027576	decrease	CPE	ENSG00000109472	12419474;
C027576	decrease	CREB1	ENSG00000118260	12419474;16337876;
C027576	decrease	CRYZ	ENSG00000116791	12419474;
C027576	decrease	CSDA	ENSG00000060138	12419474;
C027576	decrease	CSNK1G2	ENSG00000133275	12419474;
C027576	decrease	CTNNB1	ENSG00000168036	12419474;
C027576	decrease	CTSL1	ENSG00000135047	12419474;

C027576	decrease	CTTN	ENSG00000085733	12419474;
C027576	decrease	CUX1	ENSG00000160967	12419474;
C027576	decrease	CXCL5	ENSG00000163735	12419474;
C027576	decrease	CYP1B1	ENSG00000138061	12419474;
C027576	decrease	DAPK1	ENSG00000196730	12419474;
C027576	decrease	DDR2	ENSG00000162733	12419474;
C027576	decrease	DFFA	ENSG00000160049	12419474;
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C028009	increase	GDF15	ENSG00000130513	11925476;
C028009	increase	TP53	ENSG00000141510	11925476;
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C028358	decrease	CD36	ENSG00000135218	17475839;
C028358	decrease	CD80	ENSG00000121594	17475839;
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C028432	increase	TP53	ENSG00000141510	15485790;11342237;
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C028559	increase	FOS	ENSG00000170345	17032174;
C028559	increase	JUN	ENSG00000177606	17032174;
C028577	increase	IL4	ENSG00000113520	12423647;
C029010	increase	NOS3	ENSG00000164867	15740983;
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C029108	increase	CDKN1A	ENSG00000124762	9343371;8943236;
C029108	increase	NQO1	ENSG00000181019	9343371;
C029167	increase	AGT	ENSG00000135744	17519148;
C029167	increase	SHBG	ENSG00000129214	17519148;
C029408	decrease	FOS	ENSG00000170345	18003792;
C029415	increase	MAP2K3	ENSG00000034152	15817653;
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C029728	increase	SPTA1	ENSG00000163554	16314067;
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C030371	decrease	MTR	ENSG00000116984	16598758;
C030419	decrease	MMP7	ENSG00000137673	19426720;
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C030601	increase	COL1A2	ENSG00000164692	11343241;
C030601	increase	FN1	ENSG00000115414	11343241;
C030665	decrease	NOTCH1	ENSG00000148400	12788061;
C030665	decrease	PTPN7	ENSG00000143851	12788061;
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C030665	increase	CYBA	ENSG00000051523	12788061;
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C030935	increase	NQO1	ENSG00000181019	9029048;
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C030984	increase	CYP1B1	ENSG00000138061	15016593;15566942;
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C031143	decrease	CCNB1	ENSG00000134057	12730239;
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C031180	increase	CYP1A1	ENSG00000140465	8961944;15566942;
C031180	increase	CYP1B1	ENSG00000138061	15566942;
C031180	increase	ESR1	ENSG00000091831	11922773;
C031180	increase	UGT1A6	ENSG00000167165	15566942;
C031180	increase	UGT1A7	ENSG00000244122	15566942;
C031181	increase	CYP1A1	ENSG00000140465	17035385;15566942;
C031181	increase	CYP1B1	ENSG00000138061	17035385;15566942;
C031181	increase	UGT1A6	ENSG00000167165	15566942;
C031181	increase	UGT1A7	ENSG00000244122	15566942;
C031183	increase	ABCG1	ENSG00000160179	16730733;
C031183	increase	EDN1	ENSG00000078401	16895544;
C031278	decrease	AKT1	ENSG00000142208	12208782;
C031278	decrease	BAK1	ENSG00000030110	12208782;
C031278	decrease	BAX	ENSG00000087088	12208782;
C031278	decrease	BCL2	ENSG00000171791	12208782;
C031278	decrease	BCL2L1	ENSG00000171552	12208782;
C031278	decrease	BIK	ENSG00000100290	12208782;
C031278	decrease	IL1R2	ENSG00000115590	11031321;11428619;
C031278	decrease	IL1RN	ENSG00000136689	11428619;11031321;
C031278	decrease	IL6	ENSG00000136244	11428619;
C031278	decrease	MCL1	ENSG00000143384	12208782;
C031278	decrease	PDK1	ENSG00000152256	12208782;
C031278	increase	CASP3	ENSG00000164305	12208782;
C031278	increase	CASP4	ENSG00000196954	12208782;

C031278	increase	CASP6	ENSG00000138794	12208782;
C031278	increase	CASP8	ENSG00000064012	12208782;
C031278	increase	CASP9	ENSG00000132906	12208782;
C031278	increase	IL1A	ENSG00000115008	11031321;11428619;
C031278	increase	TP53	ENSG00000141510	19111594;
C031280	increase	CYP2A6	ENSG00000198077	11038160;
C031280	increase	CYP2E1	ENSG00000130649	8074729;
C031285	increase	CCL2	ENSG00000108691	17993253;
C031285	increase	IL8	ENSG00000169429	17993253;
C031291	increase	CCL2	ENSG00000108691	15139008;16794257;
C031291	increase	IL8	ENSG00000169429	15139008;16794257;
C031291	increase	TNF	ENSG00000223952	10802230;16794257;
C031294	increase	CCL2	ENSG00000108691	18645721;18514500;17993253;
C031294	increase	HSPA5	ENSG00000044574	12183065;
C031294	increase	IL13	ENSG00000169194	18514500;
C031294	increase	IL8	ENSG00000169429	18514500;17993253;
C031327	increase	ABCB1	ENSG00000085563	15761118;
C031327	increase	CYP2B6	ENSG00000197408	12920490;18332078;15761118;
C031327	increase	CYP3A4	ENSG00000160868	12920490;18332078;15761118;
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C031338	increase	NR1I2	ENSG00000144852	16632523;
C031338	increase	RXRA	ENSG00000186350	16632523;
C031389	increase	PTGS2	ENSG00000073756	10783318;
C031389	increase	TGFA	ENSG00000163235	10783318;
C031390	increase	CYP3A4	ENSG00000160868	16632523;
C031390	increase	NR1I2	ENSG00000144852	16632523;
C031390	increase	RXRA	ENSG00000186350	16632523;
C031403	increase	MMP7	ENSG00000137673	17928719;
C031463	increase	ALPL	ENSG00000162551	18500657;
C031463	increase	ENPP1	ENSG00000197594	18500657;
C031463	increase	FGF23	ENSG00000118972	15542045;
C031463	increase	PHEX	ENSG00000102174	18500657;
C031477	decrease	BCL2	ENSG00000171791	15964220;
C031477	decrease	CCND1	ENSG00000110092	11679177;
C031477	increase	BAX	ENSG00000087088	15964220;
C031556	decrease	FGF23	ENSG00000118972	16076378;
C031655	decrease	IFNA1	ENSG00000197919	15885359;
C031655	decrease	NR3C1	ENSG00000113580	15885359;
C031721	decrease	FUS	ENSG00000089280	14595851;
C031721	increase	BCL2	ENSG00000171791	14595851;
C031721	increase	FOS	ENSG00000170345	14595851;
C031721	increase	IL4	ENSG00000113520	12112628;
C031721	increase	IL8	ENSG00000169429	14595851;
C031721	increase	JUN	ENSG00000177606	14595851;
C031721	increase	RAF1	ENSG00000132155	14595851;
C031721	increase	TCF7	ENSG00000081059	14595851;
C031818	increase	IFNG	ENSG00000111537	12496413;
C031818	increase	IL31	ENSG00000204671	19281909;
C031927	affect	ARHGDIA	ENSG00000141522	17181942;
C031927	affect	CD69	ENSG00000110848	12749906;
C031927	affect	CYR61	ENSG00000142871	15452088;

C031927	affect	FN1	ENSG00000115414	15452088;
C031927	affect	H2AFX	ENSG00000188486	17875398;
C031927	affect	IL2	ENSG00000109471	12749906;
C031927	affect	IL2RA	ENSG00000134460	12749906;
C031927	affect	LMNA	ENSG00000160789	17181942;
C031927	affect	MMP15	ENSG00000102996	15452088;
C031927	affect	MMP3	ENSG00000149968	15452088;
C031927	affect	PA2G4	ENSG00000170515	17181942;
C031927	affect	PGLS	ENSG00000130313	17181942;
C031927	affect	RELA	ENSG00000173039	16928326;
C031927	affect	WRN	ENSG00000165392	17875398;
C031927	decrease	BAD	ENSG00000002330	15452088;
C031927	decrease	BNIP3	ENSG00000176171	15452088;
C031927	decrease	CASP3	ENSG00000164305	15816534;15452088;15777082;
C031927	decrease	CASP6	ENSG00000138794	15452088;
C031927	decrease	CASP9	ENSG00000132906	15452088;15816534;15777082;
C031927	decrease	DAP	ENSG00000112977	15452088;
C031927	decrease	FADD	ENSG00000168040	15452088;
C031927	decrease	FOS	ENSG00000170345	15452088;
C031927	decrease	SOD1	ENSG00000142168	15816534;
C031927	decrease	SOD2	ENSG00000112096	15816534;
C031927	decrease	TNFRSF10B	ENSG00000120889	15452088;
C031927	decrease	TNFRSF25	ENSG00000215788	15452088;
C031927	decrease	TNFSF12	ENSG00000239697	15452088;
C031927	decrease	TRAF4	ENSG00000076604	15452088;
C031927	increase	ALDH2	ENSG00000111275	15452088;
C031927	increase	ATF4	ENSG00000128272	15452088;
C031927	increase	BIRC3	ENSG00000023445	15452088;
C031927	increase	CCL11	ENSG00000172156	17572062;
C031927	increase	CCL2	ENSG00000108691	17572062;
C031927	increase	CCL3	ENSG00000006075	17572062;
C031927	increase	CCL4	ENSG00000129277	17572062;
C031927	increase	CCL5	ENSG00000161570	17572062;
C031927	increase	COL1A1	ENSG00000108821	18055817;
C031927	increase	COL4A1	ENSG00000187498	18055817;
C031927	increase	DNAJA1	ENSG00000086061	15452088;
C031927	increase	DNAJB1	ENSG00000132002	15452088;
C031927	increase	FTH1	ENSG00000167996	15452088;
C031927	increase	HSPA2	ENSG00000126803	15452088;
C031927	increase	IL10	ENSG00000136634	17572062;
C031927	increase	IL8	ENSG00000169429	15356918;17572062;
C031927	increase	LAMA4	ENSG00000112769	18055817;
C031927	increase	MGST1	ENSG00000008394	15452088;
C031927	increase	MMP14	ENSG00000157227	18055817;
C031927	increase	MMP9	ENSG00000100985	17669387;
C031927	increase	MYC	ENSG00000136997	12749906;
C031927	increase	NQO1	ENSG00000181019	8652659;
C031927	increase	PRDX1	ENSG00000117450	15452088;
C031927	increase	RECQL4	ENSG00000160957	15452088;
C031927	increase	TFRC	ENSG00000072274	12749906;
C031927	increase	TIMP2	ENSG00000035862	18055817;
C031927	increase	TNF	ENSG00000223952	17669387;10890505;

C031927	increase	TP53	ENSG00000141510	17875398;
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C031927	increase	TXN	ENSG00000136810	15452088;
C031938	increase	CYP11B2	ENSG00000179142	12193581;
C032171	decrease	PTGS2	ENSG00000073756	15841493;
C032171	increase	NOS3	ENSG00000164867	15740983;
C032201	increase	CYP2B6	ENSG00000197408	14977870;
C032208	decrease	IVL	ENSG00000163207	10769631;
C032208	increase	RAP1A	ENSG00000116473	12671036;
C032208	increase	RHOA	ENSG00000067560	12671036;
C032208	increase	RHOB	ENSG00000143878	12671036;
C032279	increase	CYP1A1	ENSG00000140465	15521013;
C032279	increase	CYP3A4	ENSG00000160868	15650019;
C032311	decrease	IGFBP4	ENSG00000141753	11996908;
C032311	increase	IGF2	ENSG00000167244	11996908;
C032311	increase	IGFBP5	ENSG00000115461	11996908;
C032628	affect	CCL2	ENSG00000108691	17191021;
C032628	affect	IL1B	ENSG00000125538	17191021;
C032668	increase	IL8	ENSG00000169429	12393170;
C032668	increase	NFKBIA	ENSG00000100906	12393170;
C032727	decrease	IL2	ENSG00000109471	11859000;
C032854	affect	IL1A	ENSG00000115008	11031321;
C032854	affect	IL1R2	ENSG00000115590	11031321;
C032854	affect	IL1RN	ENSG00000136689	11031321;
C032881	increase	HIF1A	ENSG00000100644	17919812;
C032881	increase	LAMA3	ENSG00000053747	15541073;
C032881	increase	LAMB3	ENSG00000196878	15541073;
C032881	increase	LAMC2	ENSG00000248691	15541073;
C032881	increase	VEGFA	ENSG00000112715	17919812;
C032910	increase	ABCB1	ENSG00000085563	19409404;
C033006	decrease	PPARA	ENSG00000186951	15585952;
C033006	decrease	RXRA	ENSG00000186350	15585952;
C033020	increase	HMOX1	ENSG00000100292	18227147;
C033110	affect	TP53	ENSG00000141510	15781256;
C033110	increase	CDKN1A	ENSG00000124762	15781256;
C033146	decrease	PGR	ENSG00000082175	9144411;
C033170	increase	IVL	ENSG00000163207	16621454;
C033170	increase	KRT10	ENSG00000186395	16621454;
C033246	increase	IL1B	ENSG00000125538	12573452;
C033246	increase	PTGS2	ENSG00000073756	12573452;
C033273	decrease	F2	ENSG00000180210	16522526;15504374;
C033273	decrease	PLAT	ENSG00000104368	12618251;
C033273	decrease	SERPINC1	ENSG00000117601	11994571;12618251;
C033273	increase	CP	ENSG00000047457	12616983;
C033273	increase	CRP	ENSG00000132693	12616983;
C033273	increase	F7	ENSG00000057593	12616980;12618251;
C033273	increase	F8	ENSG00000185010	11720199;12618251;
C033273	increase	FGA	ENSG00000171560	12618251;12616980;12616983;
C033273	increase	FGB	ENSG00000171564	12618251;12616983;12616980;
C033273	increase	FGG	ENSG00000171557	12618251;12616980;12616983;
C033273	increase	FN1	ENSG00000115414	15504374;

C033273	increase	PLG	ENSG00000122194	11720199;12618251;
C033273	increase	PROC	ENSG00000115718	11720199;11994571;15669648;12618251;
C033273	increase	PROS1	ENSG00000184500	11720199;11994571;16522526;12618251;15669648;
C033273	increase	SERPIND1	ENSG00000099937	15669648;
C033273	increase	SHBG	ENSG00000129214	10899481;
C033273	increase	VWF	ENSG00000110799	12616983;
C033342	increase	RAP1A	ENSG00000116473	12671036;
C033342	increase	RHOA	ENSG00000067560	12671036;
C033342	increase	RHOB	ENSG00000143878	12671036;
C033363	increase	BCL2	ENSG00000171791	17690738;
C033363	increase	NFKB2	ENSG00000077150	17690738;
C033457	increase	CYP2B6	ENSG00000197408	15382119;15849716;
C033457	increase	CYP2C9	ENSG00000138109	15382119;
C033457	increase	CYP3A4	ENSG00000160868	15382119;
C033457	increase	GSTA1	ENSG00000243955	15382119;
C033457	increase	GSTA2	ENSG00000244067	15382119;
C033457	increase	IL1B	ENSG00000125538	15382119;
C033457	increase	SLCO1B1	ENSG00000134538	15382119;
C033457	increase	UGT1A1	ENSG00000241635	15382119;15849716;
C033607	decrease	BCL2	ENSG00000171791	16055262;
C033607	decrease	MYC	ENSG00000136997	16055262;
C033607	increase	BAX	ENSG00000087088	16055262;
C033607	increase	FOS	ENSG00000170345	17142977;
C033607	increase	PGR	ENSG00000082175	17142977;
C033729	decrease	ERBB2	ENSG00000141736	16393665;
C033729	increase	ESR1	ENSG00000091831	17603182;16393665;
C033729	increase	PDZK1	ENSG00000174827	16393665;
C033729	increase	PGR	ENSG00000082175	16393665;
C033729	increase	TFF1	ENSG00000160182	16393665;
C033789	decrease	ESR1	ENSG00000091831	15253041;10789375;16626760;15261991;15064155;
C033789	increase	ESR2	ENSG00000140009	15261991;15064155;
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C034028	decrease	ARNT	ENSG00000143437	16330358;
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C034028	decrease	ARRDC4	ENSG00000140450	16330358;
C034028	decrease	BAT1	ENSG00000229496	16330358;
C034028	decrease	BCL6	ENSG00000113916	16330358;
C034028	decrease	BCOR	ENSG00000183337	16330358;
C034028	decrease	CALM1	ENSG00000143933	16330358;
C034028	decrease	CCNF	ENSG00000162063	16330358;
C034028	decrease	CINP	ENSG00000100865	16330358;
C034028	decrease	CIRBP	ENSG00000099622	16330358;
C034028	decrease	CRH	ENSG00000147571	16330358;
C034028	decrease	CYBB	ENSG00000165168	16330358;
C034028	decrease	DENR	ENSG00000139726	16330358;
C034028	decrease	FBXO5	ENSG00000112029	16330358;
C034028	decrease	FYB	ENSG00000082074	16330358;
C034028	decrease	GALT	ENSG00000213930	16330358;
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C034028	decrease	HNRNPA2B	ENSG00000122566	16330358;
C034028	decrease	ICA1	ENSG00000003147	16330358;

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C034028	decrease	KBTBD6	ENSG00000165572	16330358;
C034028	decrease	KCTD6	ENSG00000168301	16330358;
C034028	decrease	LHX9	ENSG00000143355	16330358;
C034028	decrease	LINS1	ENSG00000140471	16330358;
C034028	decrease	MAPK14	ENSG00000112062	16330358;
C034028	decrease	MYO3B	ENSG00000071909	16330358;
C034028	decrease	P2RY2	ENSG00000175591	16330358;
C034028	decrease	PAK6	ENSG00000137843	16330358;
C034028	decrease	PDXP	ENSG00000241360	16330358;
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C034028	decrease	PTH	ENSG00000152266	16330358;
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C034028	decrease	RCHY1	ENSG00000163743	16330358;
C034028	decrease	RIMS3	ENSG00000117016	16330358;
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C034028	decrease	SCARF2	ENSG00000244486	16330358;
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C034028	decrease	SIX2	ENSG00000170577	16330358;
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C034028	decrease	SMAD4	ENSG00000141646	16330358;
C034028	decrease	SOX2	ENSG00000181449	16330358;
C034028	decrease	STAU2	ENSG00000040341	16330358;
C034028	decrease	TAF6L	ENSG00000162227	16330358;
C034028	decrease	TBX1	ENSG00000184058	16330358;
C034028	decrease	TERF2	ENSG00000132604	16330358;
C034028	decrease	TIFA	ENSG00000145365	16330358;
C034028	decrease	TOR2A	ENSG00000250525	16330358;
C034028	decrease	TPM1	ENSG00000140416	16330358;
C034028	decrease	TPP2	ENSG00000134900	16330358;
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C034028	decrease	ZBTB1	ENSG00000126804	16330358;
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C034028	decrease	ZNF555	ENSG00000186300	16330358;
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C034028	increase	ANGPTL1	ENSG00000116194	16330358;
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C034028	increase	CCL2	ENSG00000108691	16330358;
C034028	increase	CLDN1	ENSG00000163347	16330358;
C034028	increase	CLDN4	ENSG00000189143	16330358;
C034028	increase	CPVL	ENSG00000106066	16330358;
C034028	increase	CSNK1D	ENSG00000141551	16330358;
C034028	increase	CTSG	ENSG00000100448	16330358;
C034028	increase	CXCL1	ENSG00000163739	16330358;
C034028	increase	CXCL3	ENSG00000163734	16330358;
C034028	increase	CYP11A1	ENSG00000140459	16330358;
C034028	increase	CYP3A7	ENSG00000160870	16330358;

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C034028	increase	DUSP1	ENSG00000120129	16330358;
C034028	increase	DUSP21	ENSG00000189037	16330358;
C034028	increase	DUSP5	ENSG00000138166	16330358;
C034028	increase	EDN1	ENSG00000078401	16330358;
C034028	increase	ERRFI1	ENSG00000116285	16330358;
C034028	increase	FGD6	ENSG00000180263	16330358;
C034028	increase	FGFR2	ENSG00000066468	16330358;
C034028	increase	FOS	ENSG00000170345	16330358;
C034028	increase	GCNT2	ENSG00000111846	16330358;
C034028	increase	HAL	ENSG00000084110	16330358;
C034028	increase	HOXD9	ENSG00000128709	16330358;
C034028	increase	HS3ST1	ENSG00000002587	16330358;
C034028	increase	ICAM2	ENSG00000108622	16330358;
C034028	increase	IFNE	ENSG00000184995	16330358;
C034028	increase	IL1A	ENSG00000115008	16330358;
C034028	increase	IL1F9	ENSG00000136688	16330358;
C034028	increase	IL8	ENSG00000169429	16330358;
C034028	increase	ITPR3	ENSG00000096433	16330358;
C034028	increase	JAM2	ENSG00000154721	16330358;
C034028	increase	KBTBD10	ENSG00000239474	16330358;
C034028	increase	KRT36	ENSG00000126337	16330358;
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C034028	increase	LIF	ENSG00000128342	16330358;
C034028	increase	MCHR1	ENSG00000128285	16330358;
C034028	increase	MMP25	ENSG00000008516	16330358;
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C034028	increase	PDE4DIP	ENSG00000178104	16330358;
C034028	increase	PK2	ENSG00000005882	16330358;
C034028	increase	PDLIM3	ENSG00000154553	16330358;
C034028	increase	PLA2G12B	ENSG00000138308	16330358;
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C034028	increase	PLAUR	ENSG00000011422	16330358;
C034028	increase	PLEKHB1	ENSG00000021300	16330358;
C034028	increase	POLR3G	ENSG00000113356	16330358;
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C034028	increase	PPP1R10	ENSG00000235291	16330358;
C034028	increase	PRDM1	ENSG00000057657	16330358;
C034028	increase	PTGS2	ENSG00000073756	16330358;
C034028	increase	PTPRE	ENSG00000132334	16330358;
C034028	increase	RARS2	ENSG00000146282	16330358;
C034028	increase	RCE1	ENSG00000173653	16330358;
C034028	increase	RGS2	ENSG00000116741	16330358;
C034028	increase	RHOJ	ENSG00000126785	16330358;
C034028	increase	RPL13	ENSG00000167526	16330358;
C034028	increase	SERPINB2	ENSG00000197632	16330358;
C034028	increase	SERPINI2	ENSG00000114204	16330358;
C034028	increase	SIGLEC8	ENSG00000105366	16330358;
C034028	increase	SIPA1L3	ENSG00000105738	16330358;
C034028	increase	SLC13A3	ENSG00000158296	16330358;
C034028	increase	SLC22A16	ENSG00000004809	16330358;
C034028	increase	STAT3	ENSG00000168610	16330358;
C034028	increase	STX6	ENSG00000135823	16330358;
C034028	increase	TNFAIP3	ENSG00000118503	16330358;

C034028	increase	TREX1	ENSG00000213689	16330358;
C034028	increase	WARS2	ENSG00000116874	16330358;
C034028	increase	ZKSCAN3	ENSG00000189298	16330358;
C034192	decrease	BCL2	ENSG00000171791	16027529;
C034192	decrease	CCNB1	ENSG00000134057	16027529;
C034192	decrease	CDC25C	ENSG00000158402	16027529;
C034192	decrease	CDK1	ENSG00000170312	16027529;
C034192	decrease	XIAP	ENSG00000101966	16027529;
C034192	increase	BAX	ENSG00000087088	16027529;
C034221	affect	CD69	ENSG00000110848	12749906;
C034221	affect	IL2	ENSG00000109471	12749906;
C034221	affect	IL2RA	ENSG00000134460	12749906;
C034221	increase	CCL11	ENSG00000172156	17572062;
C034221	increase	CCL2	ENSG00000108691	17572062;
C034221	increase	CCL3	ENSG00000006075	17572062;
C034221	increase	CCL4	ENSG00000129277	17572062;
C034221	increase	CCL5	ENSG00000161570	17572062;
C034221	increase	IL10	ENSG00000136634	17572062;
C034221	increase	IL8	ENSG00000169429	15356918;17572062;
C034221	increase	MYC	ENSG00000136997	12749906;
C034221	increase	NQO1	ENSG00000181019	8652659;
C034221	increase	TFRC	ENSG00000072274	12749906;
C034240	increase	IL1B	ENSG00000125538	12573452;
C034240	increase	PTGS2	ENSG00000073756	12573452;
C034244	decrease	MYC	ENSG00000136997	11489473;
C034244	increase	NRAS	ENSG00000213281	11489473;
C034244	increase	TP53	ENSG00000141510	11489473;
C034364	decrease	TNFSF11	ENSG00000120659	18264100;
C034364	increase	TNFRSF11B	ENSG00000164761	18264100;
C034528	decrease	F7	ENSG00000057593	14561536;
C034528	decrease	PROC	ENSG00000115718	14561536;
C034534	decrease	CCND1	ENSG00000110092	15475462;16596235;
C034534	increase	CDKN1A	ENSG00000124762	15475462;16596235;
C034534	increase	RARB	ENSG00000077092	15475462;
C034534	increase	TP53	ENSG00000141510	15475462;
C034554	affect	PGR	ENSG00000082175	15806153;
C034587	increase	NPPA	ENSG00000175206	16247790;
C034587	increase	NPPB	ENSG00000120937	16247790;
C034613	decrease	ABCD3	ENSG00000117528	16704987;
C034613	decrease	ADARB1	ENSG00000197381	16704987;
C034613	decrease	AQP3	ENSG00000165272	16704987;
C034613	decrease	BDNF	ENSG00000176697	16704987;
C034613	decrease	C14ORF1	ENSG00000133935	16704987;
C034613	decrease	COL18A1	ENSG00000182871	16704987;
C034613	decrease	CTDSPL	ENSG00000144677	16704987;
C034613	decrease	DDX24	ENSG00000089737	16704987;
C034613	decrease	DHCR7	ENSG00000172893	16704987;
C034613	decrease	EBP	ENSG00000147155	16704987;
C034613	decrease	FGFR3	ENSG00000068078	16704987;
C034613	decrease	GNPDA1	ENSG00000113552	16704987;
C034613	decrease	HMGCR	ENSG00000113161	16704987;
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C034613	decrease	HSPB11	ENSG00000081870	16704987;
C034613	decrease	ID3	ENSG00000117318	16704987;

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C034613	decrease	ILVBL	ENSG00000105135	16704987;
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C034613	decrease	LSS	ENSG00000160285	16704987;
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C034613	decrease	NR2F1	ENSG00000175745	16704987;
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C034613	decrease	NRTN	ENSG00000171119	16704987;
C034613	decrease	PDE4DIP	ENSG00000178104	16704987;
C034613	decrease	PDSS2	ENSG00000164494	16704987;
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C034613	decrease	SOX9	ENSG00000125398	16704987;
C034613	decrease	SPARC	ENSG00000113140	16704987;
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C034613	decrease	SRGAP2	ENSG00000163486	16704987;
C034613	decrease	TNS3	ENSG00000136205	16704987;
C034613	decrease	TOP2A	ENSG00000131747	16704987;
C034613	decrease	ZBED2	ENSG00000177494	16704987;
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C034613	increase	FOS	ENSG00000170345	16704987;
C034613	increase	FOSL1	ENSG00000175592	16704987;
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C034613	increase	HMOX1	ENSG00000100292	16704987;
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C034613	increase	JUN	ENSG00000177606	16704987;
C034613	increase	KLF5	ENSG00000102554	16704987;
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C034613	increase	SLC7A11	ENSG00000151012	16704987;
C034613	increase	SNAI2	ENSG00000019549	16704987;
C034613	increase	SQSTM1	ENSG00000161011	16704987;
C034613	increase	STC2	ENSG00000113739	16704987;
C034613	increase	TNFRSF12A	ENSG00000006327	16704987;
C034613	increase	YWHAZ	ENSG00000164924	16704987;
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C034653	decrease	PGR	ENSG00000082175	11041225;
C034786	decrease	MMP14	ENSG00000157227	18495463;
C034786	decrease	TIMP2	ENSG00000035862	18495463;
C034786	decrease	WT1	ENSG00000184937	18034345;
C034786	increase	GCLM	ENSG00000023909	19188863;
C034786	increase	HMOX1	ENSG00000100292	19188863;
C034786	increase	MGAT3	ENSG00000128268	19090986;
C034786	increase	NQO1	ENSG00000181019	19188863;

C034930	decrease	IL2	ENSG00000109471	11859000;
C035054	affect	CCNE1	ENSG00000105173	15606011;
C035054	affect	CDK2	ENSG00000123374	15606011;
C035054	affect	CDKN1A	ENSG00000124762	15606011;
C035133	increase	HTR2C	ENSG00000147246	18083778;
C035144	increase	SERPINA6	ENSG00000170099	11245553;
C035144	increase	SHBG	ENSG00000129214	11245553;
C035208	increase	TP53	ENSG00000141510	14577614;
C035359	decrease	ESR1	ENSG00000091831	11448926;
C035359	decrease	KCNH2	ENSG00000055118	12775586;
C035359	decrease	PGR	ENSG00000082175	11448926;
C035359	increase	HSPA1A	ENSG00000232804	11448926;
C035605	decrease	BCL2	ENSG00000171791	16019514;
C035965	decrease	TNF	ENSG00000223952	15868479;
C035976	increase	PTGS2	ENSG00000073756	15673847;
C036116	increase	AGT	ENSG00000135744	17214612;
C036116	increase	LDLR	ENSG00000130164	9712728;
C036837	decrease	HSD11B2	ENSG00000176387	18032417;
C036837	increase	TNFRSF10B	ENSG00000120889	17645780;
C036986	increase	FSHB	ENSG00000131808	17515571;
C037032	increase	EPAS1	ENSG00000116016	17973296;
C037032	increase	HIF1A	ENSG00000100644	17973296;
C037112	decrease	CES1	ENSG00000198848	11409902;
C037123	increase	HMOX1	ENSG00000100292	17244614;
C037123	increase	HSPA1A	ENSG00000232804	16460681;17244614;
C037219	affect	E2F1	ENSG00000101412	15450938;
C037219	decrease	ANP32A	ENSG00000140350	18645022;
C037219	decrease	BTF3	ENSG00000145741	18645022;
C037219	decrease	CBX3	ENSG00000122565	18645022;
C037219	decrease	EEF2	ENSG00000167658	18645022;
C037219	decrease	FUBP1	ENSG00000162613	18645022;
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C037219	decrease	MTHFD2	ENSG00000065911	18645022;
C037219	decrease	NACA	ENSG00000196531	18645022;
C037219	decrease	OLA1	ENSG00000138430	18645022;
C037219	decrease	PDAP1	ENSG00000106244	18645022;
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C037219	decrease	RANBP1	ENSG00000099901	18645022;
C037219	decrease	RCN2	ENSG00000117906	18645022;
C037219	decrease	RRM1	ENSG00000167325	18645022;
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C037219	increase	ANXA1	ENSG00000135046	18645022;
C037219	increase	ANXA2	ENSG00000182718	18645022;
C037219	increase	CCNB1	ENSG00000134057	18645022;
C037219	increase	CDKN1A	ENSG00000124762	18645022;
C037219	increase	CDKN2A	ENSG00000147889	19417133;
C037219	increase	CNDP2	ENSG00000133313	18645022;
C037219	increase	CSDE1	ENSG00000009307	18645022;
C037219	increase	EEF1G	ENSG00000149016	18645022;
C037219	increase	FSCN1	ENSG00000075618	18645022;
C037219	increase	LGALS3	ENSG00000131981	18645022;

C037219	increase	LMNA	ENSG00000160789	18645022;
C037219	increase	LTA4H	ENSG00000111144	18645022;
C037219	increase	MLH1	ENSG00000076242	19417133;
C037219	increase	NAMPT	ENSG00000105835	18645022;
C037219	increase	NME2	ENSG00000243678	18645022;
C037219	increase	PAICS	ENSG00000128050	18645022;
C037219	increase	PDHA1	ENSG00000131828	18645022;
C037219	increase	PRKAR1A	ENSG00000108946	18645022;
C037219	increase	PROSC	ENSG00000147471	18645022;
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C037219	increase	PSMD7	ENSG00000103035	18645022;
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C037219	increase	SERPINB5	ENSG00000206075	18645022;
C037219	increase	TIMP3	ENSG00000100234	19417133;
C037219	increase	TNF	ENSG00000223952	16973359;
C037219	increase	TP53	ENSG00000141510	18645022;12082016;
C037219	increase	WDR1	ENSG00000071127	18645022;
C037304	decrease	ESR1	ENSG00000091831	18419197;
C037304	decrease	ESR2	ENSG00000140009	18419197;
C037304	increase	CYP3A4	ENSG00000160868	19249324;
C037304	increase	PGR	ENSG00000082175	18419197;
C037304	increase	TFF1	ENSG00000160182	18419197;
C037311	increase	ESR1	ENSG00000091831	15922381;
C037406	decrease	DAP3	ENSG00000132676	16413536;
C037431	increase	TNF	ENSG00000223952	12729831;
C037850	decrease	BCL2	ENSG00000171791	12730627;15519653;
C037850	decrease	BCL2L1	ENSG00000171552	15519653;
C037850	increase	BAX	ENSG00000087088	15519653;
C038018	increase	KEAP1	ENSG00000079999	19033392;
C038091	increase	TFF1	ENSG00000160182	16797915;
C038237	decrease	ABCA1	ENSG00000165029	16118212;
C038293	increase	CD40	ENSG00000101017	16299289;
C038405	affect	IFNG	ENSG00000111537	17166736;
C038405	affect	IL2	ENSG00000109471	17166736;
C038405	increase	ATF3	ENSG00000162772	19101521;
C038405	increase	IL8	ENSG00000169429	17166736;
C038501	decrease	CRP	ENSG00000132693	15990257;
C038753	affect	AHR	ENSG00000106546	15385644;
C038753	increase	TP53	ENSG00000141510	15625077;16467109;
C038864	decrease	BCL2	ENSG00000171791	16909596;16109544;
C038864	decrease	CCND1	ENSG00000110092	16273314;
C038864	decrease	CCND3	ENSG00000112576	16273314;
C038864	increase	BAX	ENSG00000087088	16909596;16109544;
C038864	increase	CASP3	ENSG00000164305	16909596;16157052;16109544;
C038864	increase	CYP19A1	ENSG00000137869	16996190;
C038864	increase	CYP26A1	ENSG00000095596	15589975;
C038864	increase	NRL	ENSG00000129535	16854989;
C038864	increase	TGM2	ENSG00000198959	16158052;
C038867	affect	BIRC5	ENSG00000089685	16061352;
C038867	increase	CDKN1A	ENSG00000124762	16061352;
C038939	increase	TFF1	ENSG00000160182	16183391;
C038983	decrease	EDN1	ENSG00000078401	11603923;

C038983	increase	ALB	ENSG00000163631	11961005;
C038983	increase	CCL2	ENSG00000108691	11961005;17529908;14576080;
C038983	increase	ELANE	ENSG00000197561	11919081;17456367;10843967;
C038983	increase	ICAM1	ENSG00000090339	14572618;
C038983	increase	IL1B	ENSG00000125538	9851740;
C038983	increase	IL6	ENSG00000136244	9344885;
C038983	increase	IL8	ENSG00000169429	16091123;9344885;
C038983	increase	MSR1	ENSG00000038945	9614211;
C038983	increase	TNF	ENSG00000223952	9851740;14576080;14572618;16091123;
C038983	increase	TNFRSF1A	ENSG00000067182	9870925;
C039389	increase	AKR1C1	ENSG00000187134	9973208;
C039537	increase	CD40	ENSG00000101017	16299289;
C039537	increase	CD80	ENSG00000121594	16299289;
C039537	increase	CD83	ENSG00000112149	16299289;
C039537	increase	CD86	ENSG00000114013	16299289;
C039537	increase	IFNG	ENSG00000111537	16299289;
C039537	increase	IL12A	ENSG00000168811	16299289;
C039537	increase	IL12B	ENSG00000113302	16299289;
C039537	increase	IL15	ENSG00000164136	16299289;
C039537	increase	IL8	ENSG00000169429	16299289;
C039671	affect	DDX58	ENSG00000107201	16303604;
C039671	decrease	CES1	ENSG00000198848	11409902;
C039671	increase	CDH1	ENSG00000039068	12391285;
C039671	increase	PTGS2	ENSG00000073756	16417216;
C039961	increase	APAF1	ENSG00000120868	15967204;
C039961	increase	BAX	ENSG00000087088	15967204;
C039961	increase	BCL2	ENSG00000171791	15967204;
C039961	increase	JUN	ENSG00000177606	15967204;
C039961	increase	RELA	ENSG00000173039	15967204;
C039961	increase	TP53	ENSG00000141510	15967204;
C040015	decrease	BAX	ENSG00000087088	15748703;
C040015	decrease	BCL2	ENSG00000171791	15748703;
C040015	decrease	CCNB1	ENSG00000134057	19397994;
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C040015	decrease	PSCA	ENSG00000167653	18331776;
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C040015	increase	CDKN2C	ENSG00000123080	18331776;
C040015	increase	HMOX1	ENSG00000100292	16799064;
C040015	increase	NFE2L2	ENSG00000116044	16799064;
C040015	increase	PTGS2	ENSG00000073756	19804834;
C040015	increase	TP53I3	ENSG00000115129	19397994;
C040015	increase	TP63	ENSG00000073282	19397994;
C040015	increase	TP73	ENSG00000078900	19397994;
C040048	affect	TP53	ENSG00000141510	11522280;
C040048	increase	IL8	ENSG00000169429	17636245;
C040048	increase	NOS3	ENSG00000164867	15740983;
C040115	decrease	BCL2	ENSG00000171791	18384088;
C040115	decrease	BCL2L1	ENSG00000171552	18384088;
C040115	increase	BAX	ENSG00000087088	18384088;
C040115	increase	DDIT3	ENSG00000175197	18384088;
C040115	increase	FAS	ENSG00000026103	18384088;

C040115	increase	FASLG	ENSG00000117560	18384088;
C040527	increase	IL1B	ENSG00000125538	10377187;
C040527	increase	TNF	ENSG00000223952	10377187;
C040641	increase	G6PD	ENSG00000160211	16719502;
C040641	increase	MT1A	ENSG00000205362	16719502;
C040641	increase	MT1E	ENSG00000169715	16719502;
C040641	increase	MT1X	ENSG00000187193	16719502;
C040641	increase	MT2A	ENSG00000125148	16719502;
C040641	increase	SLC30A1	ENSG00000170385	16719502;
C040920	decrease	BCL2L1	ENSG00000171552	15729620;
C040920	decrease	BIRC2	ENSG00000110330	15729620;
C040920	decrease	BIRC3	ENSG00000023445	15729620;
C040920	increase	NFKBIA	ENSG00000100906	15729620;
C040937	decrease	CCND1	ENSG00000110092	17332266;
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C040937	increase	CCNG2	ENSG00000138764	17332266;
C040937	increase	DDIT3	ENSG00000175197	17332266;
C040937	increase	EIF2A	ENSG00000144895	17332266;
C040937	increase	GADD45A	ENSG00000116717	17332266;
C040937	increase	HSPA5	ENSG00000044574	17332266;
C040937	increase	TRPV1	ENSG00000196689	17332266;
C041181	increase	PGR	ENSG00000082175	12753421;
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C041359	decrease	IL4	ENSG00000113520	15284827;
C041359	decrease	IL5	ENSG00000113525	15284827;
C041359	decrease	MMP2	ENSG00000087245	17172416;
C041359	decrease	MMP9	ENSG00000100985	17172416;
C041359	decrease	RHOB	ENSG00000143878	17172416;
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C041517	increase	CDKN1A	ENSG00000124762	15735009;
C041517	increase	CTGF	ENSG00000118523	15735009;
C041517	increase	CYP1A1	ENSG00000140465	15566942;15735009;
C041517	increase	CYP1B1	ENSG00000138061	15566942;15735009;
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C041517	increase	FAS	ENSG00000026103	15735009;
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C041517	increase	MTUS1	ENSG00000129422	15735009;
C041517	increase	RAB6A	ENSG00000175582	15735009;
C041517	increase	TFPI2	ENSG00000105825	15735009;
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C041517	increase	UGT1A7	ENSG00000244122	15566942;
C041524	decrease	ADAM9	ENSG00000168615	15961160;
C041524	decrease	GATA2	ENSG00000179348	15961160;
C041524	decrease	GTF2H1	ENSG00000110768	15961160;
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C041524	decrease	P2RX1	ENSG00000108405	15961160;
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C041524	decrease	SYP	ENSG00000102003	15961160;
C041524	increase	APP	ENSG00000142192	15961160;
C041524	increase	DAXX	ENSG00000231617	15961160;
C041524	increase	IL18	ENSG00000150782	16100009;

C041524	increase	NFKB1	ENSG00000109320	15961160;
C041524	increase	PLA2G4A	ENSG00000116711	15961160;
C041524	increase	PTGS2	ENSG00000073756	15961160;
C041525	increase	ICAM1	ENSG00000090339	18539414;
C041525	increase	IFNG	ENSG00000111537	15779068;
C041525	increase	IL8	ENSG00000169429	15779068;
C041525	increase	TNF	ENSG00000223952	15779068;
C041594	decrease	ERBB2	ENSG00000141736	16393665;
C041594	decrease	ESR1	ENSG00000091831	11518614;11530281;16393665;17141713;
C041594	increase	PDZK1	ENSG00000174827	16393665;
C041594	increase	PGR	ENSG00000082175	16393665;
C041594	increase	TFF1	ENSG00000160182	16393665;
C041819	affect	CDH1	ENSG00000039068	17034753;
C041819	decrease	FAS	ENSG00000026103	17034753;
C041819	decrease	MCL1	ENSG00000143384	17034753;
C041819	increase	COL1A1	ENSG00000108821	17034753;
C041819	increase	COL4A2	ENSG00000134871	17034753;
C041819	increase	CRABP2	ENSG00000143320	17034753;
C041819	increase	FOXA1	ENSG00000129514	17034753;
C041819	increase	GATA6	ENSG00000141448	17034753;
C041819	increase	IVL	ENSG00000163207	17034753;
C041819	increase	KRT18	ENSG00000111057	17034753;
C041819	increase	KRT19	ENSG00000171345	17034753;
C041819	increase	KRT7	ENSG00000135480	17034753;
C041819	increase	KRT8	ENSG00000170421	17034753;
C041819	increase	MEIS1	ENSG00000143995	17034753;
C041819	increase	MEIS2	ENSG00000134138	17034753;
C041819	increase	MEOX1	ENSG00000005102	17034753;
C041819	increase	OLR1	ENSG00000173391	17034753;
C041819	increase	RARA	ENSG00000131759	17034753;
C041819	increase	RARRES1	ENSG00000118849	17034753;
C041819	increase	RARRES3	ENSG00000133321	17034753;
C041819	increase	TGM2	ENSG00000198959	17034753;
C042080	decrease	CDO1	ENSG00000129596	16223563;
C042080	decrease	PAPSS1	ENSG00000138801	16223563;
C042080	decrease	PAPSS2	ENSG00000198682	16223563;
C042080	decrease	SUOX	ENSG00000139531	16223563;
C042080	increase	SLC5A5	ENSG00000105641	16257484;
C042375	increase	CD40	ENSG00000101017	16879495;
C042431	increase	TP53	ENSG00000141510	17555331;
C042577	decrease	BCL2	ENSG00000171791	17513609;
C042577	decrease	BCL2L1	ENSG00000171552	17513609;
C042577	decrease	FTH1	ENSG00000167996	16707465;
C042577	decrease	FTL	ENSG00000087086	16707465;
C042577	increase	BAK1	ENSG00000030110	17513609;
C042986	increase	ACTA2	ENSG00000107796	16757516;
C042986	increase	ADAM9	ENSG00000168615	17018608;
C042986	increase	IL8	ENSG00000169429	14572605;
C042986	increase	TGFB1	ENSG00000105329	16757516;
C043060	increase	IL12RB1	ENSG00000096996	12932289;
C043060	increase	TNFRSF1B	ENSG00000028137	12932289;
C043062	decrease	CD14	ENSG00000170458	11556524;
C043062	decrease	CD33	ENSG00000105383	11306145;

C043062	decrease	CD40	ENSG00000101017	11306145;
C043062	decrease	CD86	ENSG00000114013	11306145;
C043062	decrease	ITGA4	ENSG00000115232	11556524;
C043062	decrease	ITGAX	ENSG00000140678	11556524;11306145;
C043062	decrease	LRP1	ENSG00000123384	11556524;
C043062	decrease	PTPRC	ENSG00000081237	11306145;
C043561	decrease	BCL2	ENSG00000171791	16215670;
C043561	decrease	CCNB1	ENSG00000134057	18331776;19397994;
C043561	decrease	CDKN2C	ENSG00000123080	18331776;
C043561	decrease	FBP1	ENSG00000165140	18331776;
C043561	decrease	PSCA	ENSG00000167653	18331776;
C043561	decrease	XIAP	ENSG00000101966	16215670;
C043561	increase	ABCG2	ENSG00000118777	17077187;
C043561	increase	CDKN1A	ENSG00000124762	19397994;
C043561	increase	CYP1A1	ENSG00000140465	19766177;17012224;
C043561	increase	EDN1	ENSG00000078401	18457675;
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C043561	increase	ICAM1	ENSG00000090339	15322261;
C043561	increase	IL6	ENSG00000136244	18457675;
C043561	increase	IL8	ENSG00000169429	18457675;
C043561	increase	JUN	ENSG00000177606	15322261;
C043561	increase	PTGS2	ENSG00000073756	18457675;
C043561	increase	SFN	ENSG00000175793	18331776;
C043561	increase	TNF	ENSG00000223952	15322261;
C043561	increase	TP53I3	ENSG00000115129	18331776;19397994;
C043561	increase	TP63	ENSG00000073282	18331776;19397994;
C043561	increase	TP73	ENSG00000078900	18331776;19397994;
C043561	increase	UGT1A1	ENSG00000241635	10950852;14557274;11442279;16003560;15104253;
C043561	increase	VCAM1	ENSG00000162692	18457675;
C043562	increase	ABCG2	ENSG00000118777	17077187;
C043562	increase	CYP1A1	ENSG00000140465	15890477;
C043562	increase	CYP1B1	ENSG00000138061	15890477;
C043562	increase	PON1	ENSG00000005421	15169886;
C044387	decrease	G6PD	ENSG00000160211	17018880;
C044387	decrease	GSTA1	ENSG00000243955	17018880;
C044387	increase	HIF1A	ENSG00000100644	16579968;16973622;
C044387	increase	MT1A	ENSG00000205362	17018880;
C044387	increase	MT1E	ENSG00000169715	17018880;
C044387	increase	MT1X	ENSG00000187193	17018880;
C044387	increase	MT2A	ENSG00000125148	17018880;
C044387	increase	MTF1	ENSG00000188786	17018880;
C044387	increase	SLC30A1	ENSG00000170385	17018880;
C044387	increase	SLC30A7	ENSG00000162695	17068819;
C044578	decrease	BCL2	ENSG00000171791	11064002;
C044578	decrease	CSE1L	ENSG00000124207	11064002;
C044815	increase	PGR	ENSG00000082175	11041225;
C044919	increase	CCL2	ENSG00000108691	14576080;
C044919	increase	TNF	ENSG00000223952	14576080;
C045229	decrease	VEGFA	ENSG00000112715	16638750;
C045362	decrease	CYP11A1	ENSG00000140459	19733639;
C045362	decrease	CYP11B1	ENSG00000160882	19733639;
C045362	decrease	CYP17A1	ENSG00000148795	19733639;
C045362	decrease	CYP21A2	ENSG00000231852	19733639;

C045362	decrease	ESR1	ENSG00000091831	15130599;10789375;15261991;
C045362	decrease	HSD3B2	ENSG00000203859	19733639;
C045362	decrease	STAR	ENSG00000147465	19733639;
C045362	increase	ESR2	ENSG00000140009	15130599;15261991;
C045463	increase	CCL26	ENSG00000006606	16045735;
C045463	increase	IL4	ENSG00000113520	16045735;
C045651	decrease	ABCB1	ENSG00000085563	18851785;
C045651	decrease	ABCG1	ENSG00000160179	16084531;
C045651	decrease	ART4	ENSG00000111339	16084531;
C045651	decrease	BAK1	ENSG00000030110	18851785;
C045651	decrease	BCL2	ENSG00000171791	15975156;19557821;12672908;15657356;
C045651	decrease	BPGM	ENSG00000172331	16084531;
C045651	decrease	BTG1	ENSG00000133639	16084531;
C045651	decrease	CCND1	ENSG00000110092	15142168;
C045651	decrease	CDH13	ENSG00000140945	16084531;
C045651	decrease	CDK4	ENSG00000135446	15142168;
C045651	decrease	CDK6	ENSG00000105810	15142168;
C045651	decrease	COL4A1	ENSG00000187498	16084531;
C045651	decrease	CPE	ENSG00000109472	16084531;
C045651	decrease	CRADD	ENSG00000169372	16084531;
C045651	decrease	CTNNB1	ENSG00000168036	16968065;
C045651	decrease	DAPK1	ENSG00000196730	12628509;
C045651	decrease	DTYMK	ENSG00000168393	18851785;
C045651	decrease	EFNB2	ENSG00000125266	16084531;
C045651	decrease	FGF2	ENSG00000138685	16084531;
C045651	decrease	FILIP1L	ENSG00000168386	16084531;
C045651	decrease	GBP1	ENSG00000117228	16084531;
C045651	decrease	GJA4	ENSG00000187513	16084531;
C045651	decrease	GSS	ENSG00000100983	18851785;
C045651	decrease	GSTP1	ENSG00000084207	18851785;
C045651	decrease	GULP1	ENSG00000144366	16084531;
C045651	decrease	HDAC5	ENSG00000108840	18851785;
C045651	decrease	HSPA1B	ENSG00000232804	18851785;
C045651	decrease	HSPA1L	ENSG00000204390	18851785;
C045651	decrease	HSPB7	ENSG00000173641	18851785;
C045651	decrease	HTATIP2	ENSG00000109854	16084531;
C045651	decrease	ID2	ENSG00000115738	16084531;
C045651	decrease	IL10RB	ENSG00000243646	16084531;
C045651	decrease	IL27RA	ENSG00000104998	16084531;
C045651	decrease	IL2	ENSG00000109471	19761891;
C045651	decrease	ITGAV	ENSG00000138448	16084531;
C045651	decrease	ITGB4	ENSG00000132470	12628509;
C045651	decrease	JAG1	ENSG00000101384	16084531;
C045651	decrease	KDR	ENSG00000128052	17992120;
C045651	decrease	MAP3K14	ENSG00000006062	12628509;
C045651	decrease	MGEA5	ENSG00000198408	16084531;
C045651	decrease	MOAP1	ENSG00000165943	16084531;
C045651	decrease	MVP	ENSG00000013364	18851785;
C045651	decrease	NEDD9	ENSG00000111859	16084531;
C045651	decrease	NFKBIA	ENSG00000100906	19557821;
C045651	decrease	NR3C1	ENSG00000113580	16084531;
C045651	decrease	PDLIM5	ENSG00000163110	16084531;

C045651	decrease	PLAT	ENSG00000104368	12628509;
C045651	decrease	PLAU	ENSG00000122861	16084531;
C045651	decrease	RAB11B	ENSG00000185236	18851785;
C045651	decrease	RABEPK	ENSG00000136933	18851785;
C045651	decrease	RHOBTB1	ENSG00000072422	16084531;
C045651	decrease	RHOD	ENSG00000173156	18851785;
C045651	decrease	SELE	ENSG00000007908	16084531;
C045651	decrease	TANK	ENSG00000136560	16084531;
C045651	decrease	TIMP3	ENSG00000100234	12628509;
C045651	decrease	TNFSF10	ENSG00000121858	16084531;
C045651	decrease	TSPAN6	ENSG00000000003	16084531;
C045651	decrease	TXNL1	ENSG00000091164	16084531;
C045651	decrease	TYRO3	ENSG00000092445	12628509;
C045651	decrease	USP5	ENSG00000111667	18851785;
C045651	decrease	XIAP	ENSG00000101966	15705601;
C045651	decrease	ZMYM2	ENSG00000121741	16084531;
C045651	increase	ABCB10	ENSG00000135776	18851785;
C045651	increase	ABCG2	ENSG00000118777	18851785;
C045651	increase	APAF1	ENSG00000120868	15657356;
C045651	increase	ATP2A2	ENSG00000174437	16084531;
C045651	increase	BAX	ENSG00000087088	15764647;15975156;12672908;15705601;18851785;15657356;
C045651	increase	BCL2L1	ENSG00000171552	18348186;
C045651	increase	CCNG1	ENSG00000113328	18851785;
C045651	increase	CCNG2	ENSG00000138764	18851785;
C045651	increase	CDKN1A	ENSG00000124762	15764647;12628509;18851785;
C045651	increase	CDKN2A	ENSG00000147889	16037419;17683969;14633667;
C045651	increase	DDIT3	ENSG00000175197	12628509;16084531;
C045651	increase	DNAJB9	ENSG00000128590	16084531;
C045651	increase	DUSP4	ENSG00000120875	16084531;
C045651	increase	F2	ENSG00000180210	19944065;
C045651	increase	F3	ENSG00000117525	19944065;
C045651	increase	HERPUD1	ENSG00000051108	16084531;
C045651	increase	HIF1A	ENSG00000100644	16005427;
C045651	increase	HK2	ENSG00000159399	16084531;
C045651	increase	HMOX1	ENSG00000100292	16799064;
C045651	increase	IL1B	ENSG00000125538	12628509;19557821;
C045651	increase	IL6	ENSG00000136244	18025290;
C045651	increase	IL8	ENSG00000169429	18413660;
C045651	increase	MCL1	ENSG00000143384	18348186;
C045651	increase	MGMT	ENSG00000170430	14633667;15703815;
C045651	increase	MLH1	ENSG00000076242	14633667;
C045651	increase	MMP7	ENSG00000137673	17928719;
C045651	increase	NFE2L2	ENSG00000116044	16799064;
C045651	increase	PIGA	ENSG00000165195	16084531;
C045651	increase	PIM2	ENSG00000102096	16084531;
C045651	increase	PLD1	ENSG00000075651	15210717;
C045651	increase	PLD2	ENSG00000129219	15210717;
C045651	increase	PPP1CA	ENSG00000172531	18348186;
C045651	increase	PPP1R15A	ENSG00000087074	18851785;
C045651	increase	PTGS2	ENSG00000073756	15210717;19557821;16084531;

C045651	increase	RARA	ENSG00000131759	12628509;
C045651	increase	RARB	ENSG00000077092	16037419;14633667;
C045651	increase	RB1	ENSG00000139687	15142168;18851785;
C045651	increase	RBBP4	ENSG00000162521	18851785;
C045651	increase	SLC39A14	ENSG00000104635	16084531;
C045651	increase	SMN2	ENSG00000172062	17962980;
C045651	increase	TNF	ENSG00000223952	19557821;
C045651	increase	TOP2A	ENSG00000131747	18851785;
C045651	increase	TOP2B	ENSG00000077097	18851785;
C045651	increase	TP53	ENSG00000141510	15764647;15795422;15657356;
C045651	increase	UGDH	ENSG00000109814	16084531;
C045651	increase	ZFP36L2	ENSG00000152518	16084531;
C045816	affect	ABCF1	ENSG00000236342	12015082;
C045816	affect	CCNG2	ENSG00000138764	12015082;
C045816	affect	CHMP5	ENSG00000086065	12015082;
C045816	decrease	PML	ENSG00000140464	12513809;
C045816	decrease	RARA	ENSG00000131759	12513809;
C045856	increase	ABCB1	ENSG00000085563	19034627;
C045856	increase	ABCC2	ENSG00000023839	19034627;
C045856	increase	CYP2B6	ENSG00000197408	19034627;
C045856	increase	CYP3A4	ENSG00000160868	19034627;
C045856	increase	UGT1A1	ENSG00000241635	19034627;
C045950	increase	ABCB1	ENSG00000085563	19070657;19409404;
C045950	increase	CYP1A1	ENSG00000140465	19070657;19409404;
C045950	increase	CYP1A2	ENSG00000140505	19409404;
C046243	decrease	ABCB1	ENSG00000085563	17482571;
C046243	decrease	TP53	ENSG00000141510	17482571;
C046498	increase	APOA1	ENSG00000118137	19013290;
C046498	increase	TNF	ENSG00000223952	10640779;
C046627	increase	ACSL1	ENSG00000151726	19682441;
C046627	increase	CPT1A	ENSG00000110090	19682441;
C046627	increase	PPARA	ENSG00000186951	19682441;
C046760	increase	ATF3	ENSG00000162772	19101521;
C046782	increase	FGF2	ENSG00000138685	16286479;
C046785	decrease	IL10	ENSG00000136634	15614042;
C046785	increase	BIRC3	ENSG00000023445	14527959;
C046785	increase	IL12B	ENSG00000113302	15614042;
C047246	increase	NFKBIA	ENSG00000100906	17638900;
C047246	increase	PMAIP1	ENSG00000141682	17216584;
C047246	increase	PTGS2	ENSG00000073756	17638900;
C047246	increase	SOD2	ENSG00000112096	17638900;
C047246	increase	TNF	ENSG00000223952	17638900;
C047246	increase	TP53	ENSG00000141510	17216584;
C047246	increase	XIAP	ENSG00000101966	17638900;
C047368	decrease	CYP1B1	ENSG00000138061	19794518;
C047368	decrease	NOS3	ENSG00000164867	16891912;
C047368	increase	OLR1	ENSG00000173391	16891912;
C047368	increase	TFF1	ENSG00000160182	14706564;
C047382	increase	BCL2A1	ENSG00000140379	11877450;
C047382	increase	BIRC2	ENSG00000110330	11877450;
C047382	increase	BIRC3	ENSG00000023445	11877450;
C047382	increase	TNF	ENSG00000223952	11877450;
C047426	decrease	ACP5	ENSG00000102575	16341940;

C047426	decrease	KLK10	ENSG00000129451	16341940;
C047426	decrease	LARGE	ENSG00000133424	16341940;
C047426	decrease	LMO7	ENSG00000136153	16341940;
C047426	decrease	MVP	ENSG00000013364	16341940;
C047426	decrease	NSUN2	ENSG00000037474	16341940;
C047426	decrease	TCF12	ENSG00000140262	16341940;
C047426	decrease	TRIM13	ENSG00000204977	16341940;
C047426	decrease	UBE2Q1	ENSG00000160714	16341940;
C047426	increase	ABCB1	ENSG00000085563	17191263;
C047426	increase	ABCC1	ENSG00000103222	17191263;
C047426	increase	ANKRD55	ENSG00000249922	16341940;
C047426	increase	ARHGAP10	ENSG00000071205	16341940;
C047426	increase	C9ORF123	ENSG00000137038	16341940;
C047426	increase	FAM5C	ENSG00000162670	16341940;
C047426	increase	FMNL1	ENSG00000184922	16341940;
C047426	increase	LIPG	ENSG00000101670	16341940;
C047426	increase	NASP	ENSG00000132780	16341940;
C047426	increase	RCC1	ENSG00000180198	16341940;
C047426	increase	RING1	ENSG00000231115	16341940;
C047426	increase	SALL1	ENSG00000103449	16341940;
C047426	increase	SYT4	ENSG00000132872	16341940;
C047637	increase	CRP	ENSG00000132693	17882670;
C047681	decrease	IL5	ENSG00000113525	15650315;
C047686	decrease	TNF	ENSG00000223952	10215738;
C047686	increase	ITGAM	ENSG00000169896	10215738;
C047686	increase	ITGB2	ENSG00000160255	10215738;
C047948	affect	RELA	ENSG00000173039	15905586;
C047948	increase	BCL2A1	ENSG00000140379	15905586;
C047948	increase	BCL2	ENSG00000171791	15905586;
C047948	increase	BCL2L1	ENSG00000171552	15905586;
C047948	increase	BIRC2	ENSG00000110330	15905586;
C047948	increase	BIRC3	ENSG00000023445	15905586;
C047948	increase	BIRC5	ENSG00000089685	15905586;
C047948	increase	CCND1	ENSG00000110092	15905586;
C047948	increase	CFLAR	ENSG00000003402	15905586;
C047948	increase	ICAM1	ENSG00000090339	15905586;
C047948	increase	IKBKB	ENSG00000104365	15905586;
C047948	increase	MAP3K14	ENSG00000006062	15905586;
C047948	increase	MMP9	ENSG00000100985	15905586;
C047948	increase	MYC	ENSG00000136997	15905586;
C047948	increase	PTGS2	ENSG00000073756	15905586;
C047948	increase	TNF	ENSG00000223952	15905586;
C047948	increase	TNFRSF1A	ENSG00000067182	15905586;
C047948	increase	TRADD	ENSG00000102871	15905586;
C047948	increase	TRAF1	ENSG00000056558	15905586;
C047948	increase	TRAF2	ENSG00000127191	15905586;
C047948	increase	VEGFA	ENSG00000112715	15905586;
C047948	increase	XIAP	ENSG00000101966	15905586;
C047981	decrease	TIMP1	ENSG00000102265	15547672;
C047981	increase	MMP1	ENSG00000196611	15547672;
C048336	affect	TERT	ENSG00000164362	18045574;
C048336	increase	MYC	ENSG00000136997	18045574;
C048460	affect	CCND1	ENSG00000110092	18538736;
C048460	affect	CD44	ENSG00000026508	18538736;

C048460	affect	CTNNB1	ENSG00000168036	18538736;
C048460	affect	DACT3	ENSG00000197380	18538736;
C048460	affect	DVL2	ENSG00000004975	18538736;
C048460	affect	HIST3H3	ENSG00000168148	18538736;
C048460	affect	HIST4H4	ENSG00000182217	18538736;
C048460	affect	LEF1	ENSG00000138795	18538736;
C048460	affect	MYC	ENSG00000136997	18538736;
C049051	increase	TF	ENSG00000091513	16772442;
C049051	increase	TFRC	ENSG00000072274	16772442;
C049325	decrease	IVL	ENSG00000163207	10769631;
C049584	increase	CDKN1A	ENSG00000124762	15635149;
C049584	increase	MDM2	ENSG00000135679	15635149;
C049584	increase	TP53	ENSG00000141510	15635149;
C049639	increase	ABCB1	ENSG00000085563	15710601;
C049639	increase	BCL2A1	ENSG00000140379	15710601;
C049639	increase	BCL2	ENSG00000171791	15710601;
C049639	increase	BCL2L1	ENSG00000171552	15710601;
C049639	increase	BIRC2	ENSG00000110330	15710601;
C049639	increase	BIRC3	ENSG00000023445	15710601;
C049639	increase	BIRC5	ENSG00000089685	15710601;
C049639	increase	CCND1	ENSG00000110092	15710601;
C049639	increase	CFLAR	ENSG00000003402	15710601;
C049639	increase	ICAM1	ENSG00000090339	15710601;
C049639	increase	MMP9	ENSG00000100985	15710601;
C049639	increase	MYC	ENSG00000136997	15710601;
C049639	increase	PTGS2	ENSG00000073756	15710601;
C049639	increase	TNF	ENSG00000223952	15710601;
C049639	increase	XIAP	ENSG00000101966	15710601;
C049740	increase	IL1B	ENSG00000125538	12573452;
C049740	increase	PTGS2	ENSG00000073756	12573452;
C050229	affect	KDR	ENSG00000128052	17960570;
C050229	affect	VEGFA	ENSG00000112715	17960570;
C050229	decrease	MMP14	ENSG00000157227	18495463;
C050229	decrease	TIMP2	ENSG00000035862	18495463;
C050229	decrease	WT1	ENSG00000184937	18034345;
C050229	increase	GCLM	ENSG00000023909	19188863;
C050229	increase	HMOX1	ENSG00000100292	19188863;
C050229	increase	NQO1	ENSG00000181019	19188863;
C050414	decrease	AR	ENSG00000169083	17010675;
C050414	decrease	ARID5B	ENSG00000150347	17010675;
C050414	decrease	BIRC5	ENSG00000089685	17010675;
C050414	decrease	BTG1	ENSG00000133639	17010675;
C050414	decrease	C21ORF33	ENSG00000160221	17010675;
C050414	decrease	C5ORF13	ENSG00000134986	17010675;
C050414	decrease	CDC7	ENSG00000097046	17010675;
C050414	decrease	CDK2	ENSG00000123374	17010675;
C050414	decrease	CITED2	ENSG00000164442	17010675;
C050414	decrease	CYP1A1	ENSG00000140465	17010675;
C050414	decrease	EFNB2	ENSG00000125266	17010675;
C050414	decrease	EGFR	ENSG00000146648	17010675;
C050414	decrease	FLT3	ENSG00000122025	17010675;
C050414	decrease	IL1RN	ENSG00000136689	17010675;
C050414	decrease	JAG1	ENSG00000101384	17010675;
C050414	decrease	KCNN2	ENSG00000080709	17010675;

C050414	decrease	MAFB	ENSG00000204103	17010675;
C050414	decrease	MDH2	ENSG00000146701	17010675;
C050414	decrease	MSH6	ENSG00000116062	17010675;
C050414	decrease	MYCBP2	ENSG00000005810	17010675;
C050414	decrease	MYNN	ENSG00000085274	17010675;
C050414	decrease	NBN	ENSG00000104320	17010675;
C050414	decrease	NKX3-1	ENSG00000167034	17010675;
C050414	decrease	OPRK1	ENSG00000082556	17010675;
C050414	decrease	PDE9A	ENSG00000160191	17010675;
C050414	decrease	PIK3CD	ENSG00000171608	17010675;
C050414	decrease	PIK3R1	ENSG00000145675	17010675;
C050414	decrease	PPIF	ENSG00000108179	17010675;
C050414	decrease	PURA	ENSG00000185129	17010675;
C050414	decrease	RRM2	ENSG00000171848	17010675;
C050414	decrease	SESN1	ENSG00000080546	17010675;
C050414	decrease	SLTM	ENSG00000137776	17010675;
C050414	decrease	SOX4	ENSG00000124766	17010675;
C050414	decrease	TAOK3	ENSG00000135090	17010675;
C050414	decrease	TMPRSS2	ENSG00000184012	17010675;
C050414	decrease	TXNIP	ENSG00000117289	17010675;
C050414	decrease	WDR77	ENSG00000116455	17010675;
C050414	decrease	ZBTB43	ENSG00000169155	17010675;
C050414	decrease	ZC3H12A	ENSG00000163874	17010675;
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C050414	increase	AKR1C1	ENSG00000187134	17010675;
C050414	increase	AKR1C2	ENSG00000151632	17010675;
C050414	increase	ATF3	ENSG00000162772	17010675;
C050414	increase	BAG3	ENSG00000151929	17010675;
C050414	increase	C20ORF111	ENSG00000132823	17010675;
C050414	increase	CACYBP	ENSG00000116161	17010675;
C050414	increase	CBR3	ENSG00000159231	17010675;
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C050414	increase	DDIT3	ENSG00000175197	17010675;
C050414	increase	DDIT4	ENSG00000168209	17010675;
C050414	increase	DNAJA1	ENSG00000086061	17010675;
C050414	increase	DNAJB4	ENSG00000162616	17010675;
C050414	increase	FICD	ENSG00000198855	17010675;
C050414	increase	GCLM	ENSG00000023909	17010675;
C050414	increase	GDF15	ENSG00000130513	17010675;
C050414	increase	GTPBP2	ENSG00000172432	17010675;
C050414	increase	HMGCS1	ENSG00000112972	17010675;
C050414	increase	HMOX1	ENSG00000100292	17010675;
C050414	increase	HSPA1A	ENSG00000232804	17010675;
C050414	increase	HSPA1B	ENSG00000232804	17010675;
C050414	increase	HSPA5	ENSG00000044574	17010675;
C050414	increase	HSPH1	ENSG00000120694	17010675;
C050414	increase	ICAM1	ENSG00000090339	16769766;
C050414	increase	IFNG	ENSG00000111537	16769766;
C050414	increase	IL1B	ENSG00000125538	16769766;
C050414	increase	INSIG1	ENSG00000186480	17010675;
C050414	increase	LDLR	ENSG00000130164	17010675;
C050414	increase	LPIN1	ENSG00000134324	17010675;
C050414	increase	ME1	ENSG00000065833	17010675;
C050414	increase	MNT	ENSG00000070444	17010675;

C050414	increase	MRPL18	ENSG00000112110	17010675;
C050414	increase	SC4MOL	ENSG00000052802	17010675;
C050414	increase	SELE	ENSG00000007908	16769766;
C050414	increase	SERP1	ENSG00000120742	17010675;
C050414	increase	SLC3A2	ENSG00000168003	17010675;
C050414	increase	SLC7A11	ENSG00000151012	17010675;
C050414	increase	STIP1	ENSG00000168439	17010675;
C050414	increase	TNF	ENSG00000223952	16769766;
C050414	increase	UBE2B	ENSG00000119048	17010675;
C050414	increase	UGDH	ENSG00000109814	17010675;
C050414	increase	VCAM1	ENSG00000162692	16769766;
C050510	increase	GADD45A	ENSG00000116717	16814109;16421274;
C050718	affect	CAT	ENSG00000121691	15576159;
C050718	increase	PTGS2	ENSG00000073756	15576159;
C050950	affect	BAX	ENSG00000087088	16002045;
C050950	affect	BCL2	ENSG00000171791	16002045;
C050950	affect	TP53	ENSG00000141510	16002045;
C051140	decrease	APOA1	ENSG00000118137	10898742;
C051140	decrease	APOA4	ENSG00000110244	10898742;
C051140	decrease	APOB	ENSG00000084674	10898742;
C051140	decrease	NR1H2	ENSG00000131408	17070507;
C051140	decrease	NR1H3	ENSG00000025434	17070507;
C051140	decrease	PPARG	ENSG00000132170	17070507;
C051140	increase	ABCA1	ENSG00000165029	17070507;
C051140	increase	CD36	ENSG00000135218	17070507;
C051140	increase	PON2	ENSG00000105854	17916643;
C051781	increase	PGR	ENSG00000082175	16242299;
C051781	increase	TFF1	ENSG00000160182	10064545;16242299;
C051786	increase	CYP3A4	ENSG00000160868	11133395;16565514;
C051883	increase	CDKN1A	ENSG00000124762	16039115;
C051883	increase	CDKN1B	ENSG00000111276	16039115;
C051890	affect	CDK6	ENSG00000105810	18927307;
C051890	affect	CDKN1A	ENSG00000124762	15132777;
C051890	affect	EIF2AK4	ENSG00000128829	18927307;
C051890	affect	FCF1	ENSG00000119616	18927307;
C051890	affect	GJA1	ENSG00000152661	18927307;
C051890	affect	GLRX3	ENSG00000108010	18927307;
C051890	affect	IMMT	ENSG00000132305	18927307;
C051890	affect	MDN1	ENSG00000112159	18927307;
C051890	affect	RB1	ENSG00000139687	15132777;
C051890	affect	SAMHD1	ENSG00000101347	18927307;
C051890	affect	SMURF1	ENSG00000198742	18927307;
C051890	affect	TRIB2	ENSG00000071575	18927307;
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C051890	decrease	ABHD13	ENSG00000139826	18927307;
C051890	decrease	ACACA	ENSG00000132142	18927307;
C051890	decrease	ADD3	ENSG00000148700	15956246;
C051890	decrease	ADI1	ENSG00000182551	18927307;
C051890	decrease	AGT	ENSG00000135744	18927307;
C051890	decrease	AKAP10	ENSG00000108599	15956246;
C051890	decrease	ALB	ENSG00000163631	18927307;
C051890	decrease	ALDH1A1	ENSG00000165092	15956246;
C051890	decrease	ANKRD17	ENSG00000132466	18927307;

C051890	decrease	ANKRD28	ENSG00000206560	18927307;
C051890	decrease	ANXA13	ENSG00000104537	18927307;
C051890	decrease	AP2B1	ENSG00000006125	18927307;
C051890	decrease	AP2S1	ENSG00000042753	16391804;
C051890	decrease	APC	ENSG00000134982	15956246;
C051890	decrease	ARF1	ENSG00000143761	18927307;
C051890	decrease	ARHGEF12	ENSG00000196914	18927307;
C051890	decrease	ARID2	ENSG00000189079	18927307;
C051890	decrease	ARID4A	ENSG00000032219	15956246;
C051890	decrease	ARMC8	ENSG00000114098	18927307;
C051890	decrease	ARSB	ENSG00000113273	18927307;
C051890	decrease	ASS1	ENSG00000130707	16391804;
C051890	decrease	ATG10	ENSG00000152348	15956246;
C051890	decrease	ATP5S	ENSG00000125375	18927307;
C051890	decrease	ATPBD4	ENSG00000134146	18927307;
C051890	decrease	ATRX	ENSG00000085224	18927307;
C051890	decrease	AURKB	ENSG00000178999	15956246;
C051890	decrease	BCL2	ENSG00000171791	18949393;16391804;
C051890	decrease	BCL2L1	ENSG00000171552	18182997;
C051890	decrease	BCR	ENSG00000186716	18927307;
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C051890	decrease	BTBD3	ENSG00000132640	18927307;
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C051890	decrease	C16ORF87	ENSG00000155330	18927307;
C051890	decrease	C1ORF43	ENSG00000143612	18927307;
C051890	decrease	C5ORF28	ENSG00000151881	18927307;
C051890	decrease	C7ORF44	ENSG00000106603	18927307;
C051890	decrease	C9ORF100	ENSG00000137135	18927307;
C051890	decrease	C9ORF25	ENSG00000164970	18927307;
C051890	decrease	CABIN1	ENSG00000099991	18927307;
C051890	decrease	CACNA1I	ENSG00000100346	18927307;
C051890	decrease	CASP4	ENSG00000196954	15956246;
C051890	decrease	CCDC76	ENSG00000122435	18927307;
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C051890	decrease	CCNB2	ENSG00000157456	16734730;15956246;
C051890	decrease	CCNF	ENSG00000162063	15956246;
C051890	decrease	CCR6	ENSG00000112486	15956246;
C051890	decrease	CCT6A	ENSG00000146731	18927307;
C051890	decrease	CDC25B	ENSG00000101224	15956246;
C051890	decrease	CDC42BPA	ENSG00000143776	18927307;
C051890	decrease	CDH4	ENSG00000179242	18927307;
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C051890	decrease	CDKN3	ENSG00000100526	15956246;
C051890	decrease	CDON	ENSG00000064309	18927307;
C051890	decrease	CENPE	ENSG00000138778	18927307;15956246;
C051890	decrease	CENPF	ENSG00000117724	15956246;
C051890	decrease	CEP192	ENSG00000101639	18927307;
C051890	decrease	CEP290	ENSG00000198707	18927307;
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C051890	decrease	CHD1	ENSG00000153922	15956246;
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C051890	decrease	CRIM1	ENSG00000150938	18927307;
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C051890	decrease	CUL4A	ENSG00000139842	18927307;
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C051890	decrease	DCAF8	ENSG00000132716	18927307;
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C051890	decrease	DDHD1	ENSG00000100523	18927307;
C051890	decrease	DEDD	ENSG00000158796	18927307;
C051890	decrease	DEFA1	ENSG00000240247	15956246;
C051890	decrease	DENND4A	ENSG00000174485	15956246;
C051890	decrease	DENR	ENSG00000139726	18927307;
C051890	decrease	DEPDC1B	ENSG00000035499	18927307;
C051890	decrease	DGCR8	ENSG00000128191	18927307;
C051890	decrease	DHFRL1	ENSG00000178700	18927307;
C051890	decrease	DIP2A	ENSG00000248658	18927307;
C051890	decrease	DLC1	ENSG00000164741	18927307;
C051890	decrease	DLG1	ENSG00000075711	18927307;
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C051890	decrease	DRG1	ENSG00000185721	15897249;
C051890	decrease	DST	ENSG00000151914	18927307;
C051890	decrease	DYRK1A	ENSG00000157540	15956246;
C051890	decrease	DYRK2	ENSG00000127334	15956246;
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C051890	decrease	EREG	ENSG00000124882	18927307;
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C051890	decrease	FARSB	ENSG00000116120	18927307;
C051890	decrease	FGF9	ENSG00000102678	18927307;
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C051890	decrease	FTO	ENSG00000140718	18927307;
C051890	decrease	FYB	ENSG00000082074	18927307;
C051890	decrease	GATA3	ENSG00000107485	15956246;
C051890	decrease	GGT1	ENSG00000100031	18927307;
C051890	decrease	GK	ENSG00000198814	18927307;
C051890	decrease	GPATCH4	ENSG00000160818	18927307;
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C051890	decrease	HCFC1	ENSG00000172534	18927307;
C051890	decrease	HECTD2	ENSG00000165338	18927307;
C051890	decrease	HELLS	ENSG00000119969	18927307;
C051890	decrease	HIST1H2AC	ENSG00000180573	15956246;
C051890	decrease	HIST1H4C	ENSG00000182217	18927307;
C051890	decrease	HLA-B	ENSG00000234745	18927307;
C051890	decrease	HMMR	ENSG00000072571	15956246;
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C051890	decrease	HNRPD	ENSG00000152795	18927307;
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C051890	decrease	ID2	ENSG00000115738	15956246;

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C051890	decrease	INSIG1	ENSG00000186480	18927307;
C051890	decrease	ITGAV	ENSG00000138448	15956246;
C051890	decrease	ITGB3BP	ENSG00000142856	15956246;
C051890	decrease	KHDRBS1	ENSG00000121774	18927307;
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C051890	decrease	KIAA1267	ENSG00000120071	18927307;
C051890	decrease	KIAA1731	ENSG00000166004	18927307;
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C051890	decrease	KRT5	ENSG00000186081	15956246;
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C051890	decrease	LRCH3	ENSG00000186001	18927307;
C051890	decrease	LTF	ENSG00000012223	15956246;
C051890	decrease	LTV1	ENSG00000135521	18927307;
C051890	decrease	MAD2L1	ENSG00000164109	15956246;
C051890	decrease	MAP3K5	ENSG00000197442	15956246;
C051890	decrease	MAP4K3	ENSG00000011566	18927307;
C051890	decrease	MATR3	ENSG00000015479	18927307;
C051890	decrease	MBNL1	ENSG00000152601	18927307;
C051890	decrease	MBP	ENSG00000197971	18927307;
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C051890	decrease	MCF2L	ENSG00000126217	15956246;
C051890	decrease	MCM4	ENSG00000104738	15956246;
C051890	decrease	MED13	ENSG00000108510	18927307;
C051890	decrease	MIP	ENSG00000135517	18927307;
C051890	decrease	MKX	ENSG00000150051	18927307;
C051890	decrease	MPO	ENSG00000005381	15956246;
C051890	decrease	MRPS30	ENSG00000112996	18927307;
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C051890	decrease	MTHFD1L	ENSG00000120254	18927307;
C051890	decrease	MTHFS	ENSG00000136371	15956246;
C051890	decrease	MX2	ENSG00000183486	15956246;
C051890	decrease	MYH10	ENSG00000133026	18927307;
C051890	decrease	MYSM1	ENSG00000162601	18927307;
C051890	decrease	N4BP1	ENSG00000102921	18927307;
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C051890	decrease	NCOR1	ENSG00000141027	18927307;
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C051890	decrease	NQO1	ENSG00000181019	18927307;
C051890	decrease	NSF	ENSG00000073969	18927307;
C051890	decrease	NUP153	ENSG00000124789	18927307;
C051890	decrease	NUSAP1	ENSG00000137804	18927307;
C051890	decrease	PAM	ENSG00000145730	18927307;
C051890	decrease	PAN3	ENSG00000152520	18927307;
C051890	decrease	PAX5	ENSG00000196092	18927307;
C051890	decrease	PAX7	ENSG00000009709	18927307;
C051890	decrease	PCBD2	ENSG00000132570	18927307;

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C051890	decrease	PIGW	ENSG00000184886	18927307;
C051890	decrease	PLAT	ENSG00000104368	18927307;
C051890	decrease	PLEKHA5	ENSG00000052126	18927307;
C051890	decrease	PLK1	ENSG00000166851	15956246;
C051890	decrease	POGZ	ENSG00000248742	18927307;
C051890	decrease	POLK	ENSG00000122008	18927307;
C051890	decrease	PPP3CB	ENSG00000107758	15956246;
C051890	decrease	PPPDE1	ENSG00000121644	18927307;
C051890	decrease	PRKAA1	ENSG00000132356	18927307;
C051890	decrease	PROM1	ENSG00000007062	15956246;
C051890	decrease	PTK2	ENSG00000169398	18927307;
C051890	decrease	PTP4A1	ENSG00000112245	18927307;
C051890	decrease	PTPN13	ENSG00000163629	15956246;
C051890	decrease	PTPRG	ENSG00000144724	18927307;
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C051890	decrease	RAD51L1	ENSG00000182185	18927307;
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C051890	decrease	RBL1	ENSG00000080839	15956246;
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C051890	decrease	RGS22	ENSG00000132554	18927307;
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C051890	decrease	SETD1B	ENSG00000139718	18927307;
C051890	decrease	SETD5	ENSG00000168137	18927307;
C051890	decrease	SFN	ENSG00000175793	16373703;
C051890	decrease	SFRS15	ENSG00000156304	18927307;
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C051890	decrease	SMCHD1	ENSG00000101596	18927307;
C051890	decrease	SMEK2	ENSG00000138041	18927307;
C051890	decrease	SMU1	ENSG00000122692	18927307;
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C051890	increase	BCL9	ENSG00000116128	15956246;
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C051890	increase	C11ORF80	ENSG00000173715	18927307;
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C051890	increase	CD47	ENSG00000196776	18927307;
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C051890	increase	COL6A1	ENSG00000142156	15956246;
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C051890	increase	CTH	ENSG00000116761	18927307;
C051890	increase	CYP3A5	ENSG00000106258	15897249;
C051890	increase	DCTN2	ENSG00000175203	18927307;
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C051890	increase	DLX4	ENSG00000108813	18927307;
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C051890	increase	GNA13	ENSG00000120063	18927307;
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C051890	increase	KLF4	ENSG00000136826	18927307;
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C051890	increase	MMP9	ENSG00000100985	15956246;
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C051890	increase	PLRG1	ENSG00000171566	16391804;
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C051890	increase	PRR13	ENSG00000205352	16391804;
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C051890	increase	RBM24	ENSG00000112183	18927307;
C051890	increase	RECK	ENSG00000122707	18927307;
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C051890	increase	WNT16	ENSG00000002745	18927307;
C051890	increase	WSB1	ENSG00000109046	18927307;
C051890	increase	ZCCHC12	ENSG00000174460	18927307;
C051890	increase	ZNF408	ENSG00000175213	16391804;
C052026	decrease	MAPK14	ENSG00000112062	15753397;
C052026	decrease	TOP2A	ENSG00000131747	15753397;
C052075	increase	IL16	ENSG00000172349	12235264;
C052087	affect	IL1A	ENSG00000115008	11031321;
C052087	affect	IL1R2	ENSG00000115590	11031321;
C052087	affect	IL1RN	ENSG00000136689	11031321;
C052342	increase	CYP3A4	ENSG00000160868	14636322;
C052498	decrease	MKI67	ENSG00000148773	16507397;
C052498	decrease	PTGS2	ENSG00000073756	16507397;
C052498	decrease	TP53	ENSG00000141510	16507397;
C052498	increase	IFNG	ENSG00000111537	18488220;
C052498	increase	IL2	ENSG00000109471	18488220;
C052498	increase	IL4	ENSG00000113520	18488220;
C052498	increase	KRT18	ENSG00000111057	17545523;
C052498	increase	TYMP	ENSG00000025708	15150550;
C052570	decrease	HYDIN	ENSG00000157423	16790487;
C052570	decrease	SLC6A14	ENSG00000087916	16790487;
C052570	increase	BCR	ENSG00000186716	16790487;
C052570	increase	CLIP3	ENSG00000105270	16790487;
C052570	increase	CYP3A4	ENSG00000160868	19249324;
C052570	increase	IL6	ENSG00000136244	16790487;
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C052570	increase	MAPK3	ENSG00000102882	16790487;
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C052659	decrease	CASP3	ENSG00000164305	19084572;
C052659	decrease	PARP1	ENSG00000143799	19084572;
C052659	increase	BAX	ENSG00000087088	15968715;
C052659	increase	TYMS	ENSG00000176890	19084572;
C052659	increase	UMPS	ENSG00000114491	19084572;
C052753	increase	DDAH2	ENSG00000225635	17977009;
C052785	decrease	AURKB	ENSG00000178999	15993841;
C052785	decrease	BIRC5	ENSG00000089685	15993841;
C052787	increase	CTGF	ENSG00000118523	15703175;
C053001	increase	MUT	ENSG00000146085	19427250;19199343;
C053079	increase	BCL2L1	ENSG00000171552	18348186;
C053079	increase	MCL1	ENSG00000143384	18348186;
C053400	increase	GSTM1	ENSG00000134184	11346484;
C053401	increase	GSTM1	ENSG00000134184	11346484;
C053429	increase	FSHB	ENSG00000131808	17515571;
C053541	affect	GDF15	ENSG00000130513	16523695;
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C053541	decrease	AMACR	ENSG00000242110	15638997;
C053541	decrease	BARD1	ENSG00000138376	15638997;
C053541	decrease	BAX	ENSG00000087088	11845989;
C053541	decrease	BCHE	ENSG00000114200	15638997;
C053541	decrease	BIRC5	ENSG00000089685	15638997;
C053541	decrease	BUB1B	ENSG00000156970	15638997;
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C053541	decrease	CDC20	ENSG00000117399	15638997;
C053541	decrease	CDC6	ENSG00000094804	15887248;
C053541	decrease	CDKN2C	ENSG00000123080	15638997;
C053541	decrease	CKS2	ENSG00000123975	15638997;
C053541	decrease	CREBBP	ENSG00000005339	15378487;
C053541	decrease	DKC1	ENSG00000130826	15638997;
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C053541	decrease	GCG	ENSG00000115263	15638997;
C053541	decrease	GPC1	ENSG00000063660	15638997;
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C053541	decrease	KLK2	ENSG00000167751	15638997;
C053541	decrease	LMNB1	ENSG00000113368	15638997;
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C053541	decrease	MCM2	ENSG00000073111	15638997;
C053541	decrease	MKI67	ENSG00000148773	15638997;
C053541	decrease	MYC	ENSG00000136997	15638997;
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C053541	decrease	NUSAP1	ENSG00000137804	15638997;
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C053541	decrease	PCNA	ENSG00000132646	15638997;
C053541	decrease	PRC1	ENSG00000198901	15638997;

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C053541	decrease	TPX2	ENSG00000088325	15638997;
C053541	decrease	TYMS	ENSG00000176890	17599054;
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C053541	decrease	ZWINT	ENSG00000122952	15638997;
C053541	increase	AAMP	ENSG00000127837	16631469;
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C053541	increase	ADAM9	ENSG00000168615	17342749;
C053541	increase	ADRB2	ENSG00000169252	18454446;
C053541	increase	AGR2	ENSG00000106541	15638997;
C053541	increase	ALDH1A3	ENSG00000184254	17526768;
C053541	increase	ALDH3A2	ENSG00000072210	15638997;
C053541	increase	AMD1	ENSG00000123505	15790403;
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C053541	increase	AR	ENSG00000169083	16015592;18487222;17804
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C056599	increase	NOS3	ENSG00000164867	17499557;
C056599	increase	PGR	ENSG00000082175	15541416;
C056599	increase	TFF1	ENSG00000160182	15541416;
C056709	affect	PTPRC	ENSG00000081237	17157857;
C056709	decrease	IL2RA	ENSG00000134460	17157857;
C056709	decrease	ITGAM	ENSG00000169896	17157857;
C056709	decrease	NOS3	ENSG00000164867	17157857;
C056709	decrease	SELL	ENSG00000188404	17157857;

C056709	decrease	TNF	ENSG00000223952	17157857;
C056933	increase	UGCG	ENSG00000148154	18245173;
C057224	decrease	AR	ENSG00000169083	17505938;
C057416	increase	IL8	ENSG00000169429	17097691;
C057416	increase	MAPK1	ENSG00000100030	11675405;
C057416	increase	MAPK3	ENSG00000102882	11675405;
C057416	increase	TNF	ENSG00000223952	11675405;
C057693	decrease	ADIPOR1	ENSG00000159346	16023994;
C057693	decrease	CCNA2	ENSG00000145386	15729575;
C057693	decrease	CCNB1	ENSG00000134057	15729575;
C057693	decrease	CCND3	ENSG00000112576	15729575;
C057693	decrease	CCNE1	ENSG00000105173	15729575;
C057693	decrease	CDK2	ENSG00000123374	15729575;
C057693	decrease	CDKN1A	ENSG00000124762	15729575;
C057693	decrease	CYP3A5	ENSG00000106258	15618651;
C057693	decrease	CYP3A7	ENSG00000160870	15618651;
C057693	decrease	FN1	ENSG00000115414	15908479;
C057693	decrease	GLO1	ENSG00000124767	16085563;12572858;
				15345676;15908479;18665
C057693	decrease	PPARG	ENSG00000132170	581;15641079;12065695;15
				729575;15618651;
C057693	decrease	RB1	ENSG00000139687	15729575;
C057693	decrease	SEMA6B	ENSG00000167680	16525649;
C057693	decrease	SP1	ENSG00000185591	15908479;
C057693	increase	ADIPOQ	ENSG00000181092	16076985;
C057693	increase	ATF3	ENSG00000162772	16079301;15897233;
C057693	increase	CD36	ENSG00000135218	14977855;
C057693	increase	CYP2B6	ENSG00000197408	17954527;12642470;
				12642470;15860655;16837
C057693	increase	CYP3A4	ENSG00000160868	568;12505310;17954527;15
				466163;
C057693	increase	EGR1	ENSG00000120738	16079301;
C057693	increase	MAP2K1	ENSG00000169032	16079301;
C057693	increase	MAPK1	ENSG00000100030	16079301;
C057693	increase	MAPK3	ENSG00000102882	16079301;
C057693	increase	PTGS2	ENSG00000073756	10866999;15641079;
C057693	increase	SLC5A5	ENSG00000105641	16954431;
C057823	decrease	BCL2	ENSG00000171791	14687023;
				12621035;10516654;16980
C057823	increase	ADRB2	ENSG00000169252	553;14722251;
C057823	increase	CFTR	ENSG00000001626	12621035;
C057823	increase	DUSP1	ENSG00000120129	15862954;
C057823	increase	SLPI	ENSG00000124107	15862954;
C058305	decrease	BCL2	ENSG00000171791	16054126;
C058305	decrease	BCL2L1	ENSG00000171552	16054126;
C058305	decrease	MCL1	ENSG00000143384	16054126;
C058305	decrease	XIAP	ENSG00000101966	16054126;
C058305	increase	APAF1	ENSG00000120868	16054126;
C058305	increase	BAX	ENSG00000087088	16054126;
C058305	increase	BID	ENSG00000015475	16054126;
C058305	increase	CYP1A1	ENSG00000140465	15672752;
C058305	increase	CYP1A2	ENSG00000140505	15672752;
C058305	increase	NQO1	ENSG00000181019	15672752;
C058305	increase	TP53	ENSG00000141510	16054126;

C058317	affect	TXNIP	ENSG00000117289	16562669;
C058317	affect	ZFYVE16	ENSG00000039319	16529693;
C058317	decrease	ABL1	ENSG00000097007	12421474;
C058317	decrease	AQR	ENSG00000021776	12890387;
C058317	decrease	ARHGEF18	ENSG00000104880	12890387;
C058317	decrease	ATG7	ENSG00000197548	12890387;
C058317	decrease	BCR	ENSG00000186716	12421474;
C058317	decrease	BIRC5	ENSG00000089685	15972126;
C058317	decrease	CHMP5	ENSG00000086065	16778962;
C058317	decrease	COG3	ENSG00000136152	12890387;
C058317	decrease	DDHD2	ENSG00000085788	12890387;
C058317	decrease	EVL	ENSG00000196405	12890387;
C058317	decrease	GSN	ENSG00000148180	12890387;
C058317	decrease	HIPK1	ENSG00000163349	12890387;
C058317	decrease	HOMER3	ENSG00000051128	12890387;
C058317	decrease	IFITM1	ENSG00000185885	12890387;
C058317	decrease	IFT57	ENSG00000114446	12890387;
C058317	decrease	ITGB1	ENSG00000150093	12776498;12890387;
C058317	decrease	KIF3A	ENSG00000131437	12890387;
C058317	decrease	MDM4	ENSG00000198625	12890387;
C058317	decrease	MERTK	ENSG00000153208	12890387;
C058317	decrease	OGT	ENSG00000147162	12890387;
C058317	decrease	PEX5	ENSG00000139197	12890387;
C058317	decrease	PKIA	ENSG00000171033	12890387;
C058317	decrease	PRCP	ENSG00000137509	12890387;
C058317	decrease	PRDM2	ENSG00000116731	12890387;
C058317	decrease	PTP4A3	ENSG00000184489	12890387;
C058317	decrease	RBMX	ENSG00000147274	12890387;
C058317	decrease	RGS2	ENSG00000116741	12890387;
C058317	decrease	RPL13A	ENSG00000142541	12890387;
C058317	decrease	RPL17	ENSG00000215472	12890387;
C058317	decrease	RPS27A	ENSG00000143947	12890387;
C058317	decrease	RTN1	ENSG00000139970	12890387;
C058317	decrease	SNX17	ENSG00000115234	12890387;
C058317	decrease	SORL1	ENSG00000137642	12890387;
C058317	decrease	STX2	ENSG00000111450	12890387;
C058317	decrease	SV2B	ENSG00000185518	12890387;
C058317	decrease	TGFBR2	ENSG00000163513	12890387;
C058317	decrease	ZKSCAN5	ENSG00000196652	12890387;
C058317	increase	BTG1	ENSG00000133639	16562669;16918137;
C058317	increase	CASP3	ENSG00000164305	15972126;
C058317	increase	CCL2	ENSG00000108691	16918137;
C058317	increase	CCL3	ENSG00000006075	16918137;
C058317	increase	CCNB1	ENSG00000134057	12890387;
C058317	increase	IGFBP4	ENSG00000141753	16918137;
C058317	increase	PSMC2	ENSG00000161057	12776498;12890387;
C058317	increase	PSMD1	ENSG00000173692	12776498;12890387;
C058317	increase	SLC38A2	ENSG00000134294	16918137;
C058317	increase	TNFAIP3	ENSG00000118503	16918137;
C058317	increase	TNFAIP8	ENSG00000145779	16918137;
C058544	increase	HIF1A	ENSG00000100644	17082639;
C058687	decrease	IL8	ENSG00000169429	15089887;
C058687	increase	CYP1A1	ENSG00000140465	12623754;
C058687	increase	CYP1A2	ENSG00000140505	12623754;

C058687	increase	CYP1B1	ENSG00000138061	12623754;
C058787	increase	TFF1	ENSG00000160182	15946813;
C058787	increase	VEGFA	ENSG00000112715	15946813;
C058815	increase	BIRC2	ENSG00000110330	15520213;
C058815	increase	TNFRSF10A	ENSG00000104689	15520213;
C058815	increase	TNFRSF10B	ENSG00000120889	15520213;
C058815	increase	TNFSF10	ENSG00000121858	15520213;
C058815	increase	XIAP	ENSG00000101966	15520213;
C058819	decrease	ABCB4	ENSG00000005471	11331069;
C058819	increase	ALB	ENSG00000163631	11961005;
C058819	increase	CCL2	ENSG00000108691	11961005;
C058819	increase	COL1A2	ENSG00000164692	11343241;
C058819	increase	FN1	ENSG00000115414	11343241;15086456;
C058819	increase	TNFRSF1A	ENSG00000067182	9870925;
C058858	decrease	BCL2	ENSG00000171791	15949805;
C058858	increase	BAX	ENSG00000087088	15949805;
C059041	affect	CYP1A1	ENSG00000140465	10696073;
C059041	decrease	CCND1	ENSG00000110092	18790744;
C059041	increase	BCL2L1	ENSG00000171552	18348186;
C059041	increase	CYP1B1	ENSG00000138061	10696073;
C059041	increase	FOS	ENSG00000170345	7963561;
C059041	increase	MCL1	ENSG00000143384	18348186;
C059356	increase	MYC	ENSG00000136997	18045574;
C059356	increase	TERT	ENSG00000164362	18045574;
C059514	affect	FADD	ENSG00000168040	15763656;
C059514	affect	HRAS	ENSG00000174775	16369916;
C059514	affect	TIMP1	ENSG00000102265	17651959;
C059514	decrease	ANLN	ENSG00000011426	15767336;
C059514	decrease	API5	ENSG00000166181	12569576;
C059514	decrease	AR	ENSG00000169083	17486135;15767336;
C059514	decrease	ARID4A	ENSG00000032219	12569576;
C059514	decrease	BAP1	ENSG00000163930	12569576;
C059514	decrease	BCL2A1	ENSG00000140379	17164350;
C059514	decrease	BIRC5	ENSG00000089685	15763656;17270149;17261084;17164350;17636462;17007014;
C059514	decrease	BMP6	ENSG00000153162	12002526;
C059514	decrease	BRF1	ENSG00000185024	12569576;12002526;
C059514	decrease	BUB1B	ENSG00000156970	15767336;
C059514	decrease	BUB1	ENSG00000169679	15767336;
C059514	decrease	CALR	ENSG00000179218	12002526;
C059514	decrease	CCNB1	ENSG00000134057	15670636;17050787;
C059514	decrease	CCNB2	ENSG00000157456	15767336;
C059514	decrease	CCNE2	ENSG00000175305	15767336;
C059514	decrease	CCR2	ENSG00000121807	17499741;
C059514	decrease	CDC123	ENSG00000151465	12002526;
C059514	decrease	CDC27	ENSG00000004897	15767336;
C059514	decrease	CDC6	ENSG00000094804	15767336;
C059514	decrease	CDK1	ENSG00000170312	15670636;17050787;15767336;
C059514	decrease	CDK6	ENSG00000105810	16761963;
C059514	decrease	CDKN2A	ENSG00000147889	17804521;
C059514	decrease	CENPE	ENSG00000138778	15767336;
C059514	decrease	CENPF	ENSG00000117724	15767336;

C059514	decrease	CKS2	ENSG00000123975	15767336;
C059514	decrease	COL2A1	ENSG00000139219	17404069;
C059514	decrease	CYP19A1	ENSG00000137869	17910019;16611627;17766065;
C059514	decrease	DAXX	ENSG00000231617	19631782;12002526;
C059514	decrease	DCT	ENSG00000080166	17460731;
C059514	decrease	DEK	ENSG00000124795	12002526;
C059514	decrease	DYRK1A	ENSG00000157540	12569576;
C059514	decrease	EIF4A2	ENSG00000156976	15767336;
C059514	decrease	ENO1	ENSG00000074800	15582268;
C059514	decrease	ENO2	ENSG00000111674	15582268;
C059514	decrease	ENO3	ENSG00000108515	15582268;
				17513867;15615701;16393696;15664452;15084758;15120416;15876408;17486135;16506809;16118406;10854714;17935960;17141713;
C059514	decrease	ESR1	ENSG00000091831	
C059514	decrease	F3	ENSG00000117525	12871381;
C059514	decrease	FGF2	ENSG00000138685	17935668;
C059514	decrease	FLT1	ENSG00000102755	17992120;
C059514	decrease	FOXP3	ENSG00000053254	12569576;
C059514	decrease	GAP43	ENSG00000172020	12002526;
C059514	decrease	GDF1	ENSG00000130283	12002526;
C059514	decrease	GPLD1	ENSG00000112293	12002526;
C059514	decrease	GRB2	ENSG00000177885	12002526;
C059514	decrease	GSPT1	ENSG00000103342	12002526;
C059514	decrease	GTF3A	ENSG00000122034	12002526;
C059514	decrease	HDGF	ENSG00000143321	12002526;
C059514	decrease	HELLS	ENSG00000119969	15767336;
C059514	decrease	HES1	ENSG00000114315	17868649;
C059514	decrease	HK2	ENSG00000159399	16979140;
C059514	decrease	HMGB2	ENSG00000164104	15767336;
C059514	decrease	IFRD1	ENSG00000006652	12002526;
C059514	decrease	INSM1	ENSG00000173404	12569576;
C059514	decrease	ITGAL	ENSG00000005844	16267019;
C059514	decrease	ITGB1	ENSG00000150093	17404069;
C059514	decrease	KDR	ENSG00000128052	17992120;
C059514	decrease	KIF11	ENSG00000138160	15767336;
C059514	decrease	KIF23	ENSG00000137807	15767336;
C059514	decrease	KLK3	ENSG00000142515	15767336;12569576;
C059514	decrease	KPNA2	ENSG00000182481	15767336;
C059514	decrease	KRAS	ENSG00000133703	12569576;12002526;
C059514	decrease	LPL	ENSG00000175445	16901463;
C059514	decrease	MAD2L1BP	ENSG00000124688	12002526;
C059514	decrease	MAD2L1	ENSG00000164109	15767336;
C059514	decrease	MADD	ENSG00000110514	12002526;
C059514	decrease	MAP1A	ENSG00000166963	12569576;
C059514	decrease	MAP4	ENSG00000047849	12569576;
C059514	decrease	MAPT	ENSG00000186868	12569576;
C059514	decrease	MCM4	ENSG00000104738	15767336;
C059514	decrease	MCM6	ENSG00000076003	15767336;
C059514	decrease	MKI67	ENSG00000148773	15767336;17992120;
C059514	decrease	MMP2	ENSG00000087245	17935668;16317118;16084059;17049120;

C059514	decrease	MYC	ENSG00000136997	16209266;17088997;17521618;
C059514	decrease	MYO18A	ENSG00000196535	12569576;
C059514	decrease	NAIP	ENSG00000250628	12569576;12002526;
C059514	decrease	NDC80	ENSG00000080986	15767336;
C059514	decrease	NEK2	ENSG00000117650	15767336;
C059514	decrease	NOTCH1	ENSG00000148400	17868649;
C059514	decrease	ODC1	ENSG00000115758	17521618;
C059514	decrease	PBK	ENSG00000168078	15767336;
C059514	decrease	PDE2A	ENSG00000186642	12569576;12002526;
C059514	decrease	PDHA1	ENSG00000131828	15582268;
C059514	decrease	PGAM1	ENSG00000171314	15582268;16979140;
C059514	decrease	PLCG1	ENSG00000124181	12569576;
C059514	decrease	PLK1	ENSG00000166851	15767336;
C059514	decrease	POLA1	ENSG00000101868	15767336;
C059514	decrease	PPARD	ENSG00000112033	12569576;12002526;
C059514	decrease	PRDM2	ENSG00000116731	12569576;
C059514	decrease	PRIM1	ENSG00000198056	15767336;
C059514	decrease	PSEN2	ENSG00000143801	11606380;
C059514	decrease	PTPRA	ENSG00000132670	12569576;
C059514	decrease	PTPRG	ENSG00000144724	16624241;
C059514	decrease	RAC3	ENSG00000169750	17804521;
C059514	decrease	RAD51AP1	ENSG00000111247	15767336;
C059514	decrease	RAN	ENSG00000132341	12569576;12002526;
C059514	decrease	RASGRF1	ENSG00000058335	17804521;
C059514	decrease	RELA	ENSG00000173039	17164350;15489888;16614140;16267019;12569576;12002526;16490592;1793818
C059514	decrease	RFC4	ENSG00000163918	15767336;
C059514	decrease	RGS5	ENSG00000143248	12569576;
C059514	decrease	RNF4	ENSG00000063978	12569576;
C059514	decrease	RPA1	ENSG00000132383	12569576;
C059514	decrease	RPS6	ENSG00000137154	17534123;17554206;
C059514	decrease	RPS6KB1	ENSG00000108443	17919812;17534123;16979140;
C059514	decrease	RRM2	ENSG00000171848	15767336;
C059514	decrease	SFRP1	ENSG00000104332	12569576;
C059514	decrease	SLC45A2	ENSG00000164175	17460731;
C059514	decrease	SMC4	ENSG00000113810	15767336;
C059514	decrease	SPARC	ENSG00000113140	16084059;
C059514	decrease	STIL	ENSG00000123473	15767336;
C059514	decrease	STK17B	ENSG00000081320	15767336;
C059514	decrease	TFAM	ENSG00000108064	12002526;
C059514	decrease	TOP2A	ENSG00000131747	16536579;15767336;
C059514	decrease	TOPBP1	ENSG00000163781	15767336;
C059514	decrease	TRAF2	ENSG00000127191	17164350;
C059514	decrease	TSN	ENSG00000211460	15767336;
C059514	decrease	TTK	ENSG00000112742	15767336;
C059514	decrease	TYR	ENSG00000077498	17460731;
C059514	decrease	TYRP1	ENSG00000107165	17460731;
C059514	decrease	UBE2D3	ENSG00000109332	17804521;
C059514	decrease	UGP2	ENSG00000169764	12002526;
C059514	decrease	YWHAE	ENSG00000108953	12569576;
C059514	decrease	YWHAZ	ENSG00000164924	12569576;

C059514	decrease	ZBTB16	ENSG00000109906	12002526;
C059514	decrease	ZFAND5	ENSG00000107372	12569576;
C059514	decrease	ZWINT	ENSG00000122952	15767336;
C059514	increase	ABCA1	ENSG00000165029	16901463;
C059514	increase	ABCG1	ENSG00000160179	16901463;
C059514	increase	ABCG2	ENSG00000118777	17032904;17077187;
C059514	increase	ABLIM1	ENSG00000099204	12569576;
C059514	increase	AHR	ENSG00000106546	17077187;15458977;15634023;16359657;19376845;15142886;
C059514	increase	ALDOC	ENSG00000109107	15582268;
C059514	increase	APAF1	ENSG00000120868	12002526;14749477;12569576;
C059514	increase	ASCL1	ENSG00000139352	12002526;
C059514	increase	ASNS	ENSG00000070669	12569576;12002526;
C059514	increase	ATF3	ENSG00000162772	12002526;15897233;
C059514	increase	ATG5	ENSG00000057663	12569576;12002526;
C059514	increase	BAD	ENSG00000002330	16731767;
C059514	increase	BAK1	ENSG00000030110	16550006;16617056;12569576;12002526;17636462;16731767;
C059514	increase	BAT2	ENSG00000204469	12002526;
C059514	increase	BAX	ENSG00000087088	16518869;16550006;16617056;17116725;16624241;16087638;17007014;16998810;14749477;17868649;16731767;17823925;17164350;17049120;17636462;
C059514	increase	BBC3	ENSG00000105327	17636462;
C059514	increase	BCL2	ENSG00000171791	15763656;19631782;17690738;16087638;17007014;17603292;16209266;17049120;17164350;17636462;16731767;15688415;16490592;17261084;19549761;
C059514	increase	BCL2L11	ENSG00000153094	17636462;
C059514	increase	BCL2L1	ENSG00000171552	17007014;16546976;14749477;17636462;17164350;16490592;17049120;125695717088997;12569576;12002526;
C059514	increase	BCL6	ENSG00000113916	17689939;16267019;
C059514	increase	BGLAP	ENSG00000242252	17007014;16617056;16731767;
C059514	increase	BID	ENSG00000015475	12569576;
C059514	increase	BIRC2	ENSG00000110330	17513867;16973825;
C059514	increase	BMP2	ENSG00000125845	12569576;
C059514	increase	BNIP2	ENSG00000140299	15767336;
C059514	increase	BOK	ENSG00000176720	17055343;
C059514	increase	BSG	ENSG00000172270	12002526;
C059514	increase	BUB3	ENSG00000154473	17257620;
C059514	increase	C10ORF137	ENSG00000107938	17257620;
C059514	increase	C15ORF48	ENSG00000166920	17257620;

C059514	increase	CASP3	ENSG00000164305	19631782;17116725;15763656;15688415;17823925;17603292;17404069;17959154;17929310;12002526;19549761;17007014;17050787;16087638;17164350;17044934;16617056;17636462;125
C059514	increase	CCL2	ENSG00000108691	17191021;16212921;
C059514	increase	CCNA2	ENSG00000145386	15767336;16761963;15583814;
C059514	increase	CCND1	ENSG00000110092	16546976;15489888;16317118;17050787;16761963;17804756;15670636;17486135;17164350;
C059514	increase	CCNE1	ENSG00000105173	16317118;17050787;15670636;
C059514	increase	CD14	ENSG00000170458	16267019;
C059514	increase	CD209	ENSG00000090659	17938187;
C059514	increase	CD36	ENSG00000135218	17938187;
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C059514	increase	CRP	ENSG00000132693	17388968;
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C059514	increase	CSF1R	ENSG00000182578	16267019;
C059514	increase	CST4	ENSG00000101441	17257620;
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C059514	increase	CTSK	ENSG00000143387	16267019;
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C059514	increase	IL1B	ENSG00000125538	17191021;15180920;17388968;17404069;17959154;12871381;16338976;

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C059514	increase	IL8	ENSG00000169429	15180920;16212921;15779068;16624241;
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C059514	increase	JUN	ENSG00000177606	15542774;17174366;16761963;16928824;
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C059514	increase	PDGFB	ENSG00000100311	16343977;12002526;
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C061636	increase	FADD	ENSG00000168040	19616521;
C061636	increase	FAS	ENSG00000026103	19616521;
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C062198	decrease	BLM	ENSG00000197299	16951191;
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C065250	decrease	GRM5	ENSG00000168959	15135645;
C065250	decrease	GSTM2	ENSG00000213366	15135645;
C065250	decrease	HNMT	ENSG00000150540	15135645;
C065250	decrease	MRPS12	ENSG00000128626	15135645;
C065250	decrease	MT2A	ENSG00000125148	15135645;
C065250	decrease	MVK	ENSG00000110921	15135645;

C065250	decrease	MYC	ENSG00000136997	15135645;
C065250	decrease	NCL	ENSG00000115053	15135645;
C065250	decrease	NNAT	ENSG00000053438	15135645;
C065250	decrease	PFN1	ENSG00000108518	15135645;
C065250	decrease	PLCG2	ENSG00000197943	15135645;
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C065250	decrease	PRDX1	ENSG00000117450	15135645;
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C065250	increase	CDH3	ENSG00000062038	15135645;
C065250	increase	FOXA3	ENSG00000170608	15135645;
C065250	increase	FOXO1	ENSG00000150907	15135645;
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C065250	increase	GAA	ENSG00000171298	15135645;
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C065250	increase	RPL23A	ENSG00000198242	15135645;
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C065250	increase	RPS27	ENSG00000177954	15135645;
C065250	increase	RPS4X	ENSG00000198034	15135645;
C065250	increase	S100A11	ENSG00000163191	15135645;
C065250	increase	SULT1E1	ENSG00000109193	15135645;
C065250	increase	TIMP3	ENSG00000100234	15135645;
C065250	increase	TXN	ENSG00000136810	15135645;
C065299	decrease	BCL2	ENSG00000171791	17155983;
C065299	increase	CDH1	ENSG00000039068	17155983;
C065299	increase	JUP	ENSG00000173801	17155983;
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C065382	decrease	PRKCA	ENSG00000154229	15634547;
C065382	increase	DUSP1	ENSG00000120129	15862954;
C065382	increase	SLPI	ENSG00000124107	15862954;
C065757	increase	ABCB1	ENSG00000085563	15501994;
C065861	decrease	BCL2	ENSG00000171791	15964118;
C065861	increase	BAX	ENSG00000087088	15964118;
C065861	increase	MAPK14	ENSG00000112062	15964118;
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C066075	affect	CCNT2	ENSG00000082258	17459161;
C066075	affect	CD44	ENSG00000026508	17459161;
C066075	affect	DUSP6	ENSG00000139318	17459161;
C066075	affect	EGR1	ENSG00000120738	17459161;
C066075	affect	EGR3	ENSG00000179388	17459161;
C066075	affect	GATA6	ENSG00000141448	17459161;

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C066075	affect	IRF1	ENSG00000125347	17459161;
C066075	affect	LYST	ENSG00000143669	17459161;
C066075	affect	NEDD9	ENSG00000111859	17459161;
C066075	affect	SLC2A3	ENSG00000059804	17459161;
C066075	affect	SPRED2	ENSG00000198369	17459161;
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C066075	decrease	CDK9	ENSG00000136807	17459161;
C066075	decrease	CDKN1B	ENSG00000111276	17459161;
C066075	decrease	CDKN1C	ENSG00000129757	17459161;
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C066075	decrease	COL3A1	ENSG00000168542	17459161;
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C066075	decrease	IFNGR1	ENSG00000027697	17459161;
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C066075	decrease	KEAP1	ENSG00000079999	17459161;
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C066075	decrease	OXSR1	ENSG00000172939	17459161;
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C066075	decrease	STAT1	ENSG00000115415	18322232;17459161;
C066075	decrease	TGFB2	ENSG00000092969	17459161;
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C066075	increase	CXCL9	ENSG00000138755	17459161;
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C066075	increase	IL8	ENSG00000169429	9707512;17459161;
C066075	increase	JUN	ENSG00000177606	17459161;
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C066075	increase	VEGFA	ENSG00000112715	17459161;
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C066515	increase	CCND1	ENSG00000110092	15276080;
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C066851	decrease	HSD17B2	ENSG00000086696	16807381;
C066851	increase	BAK1	ENSG00000030110	15489892;
C066851	increase	BBC3	ENSG00000105327	15489892;
C066851	increase	CDKN1A	ENSG00000124762	15489892;
C066851	increase	SP1	ENSG00000185591	16807381;15489892;
C066851	increase	TNFRSF10B	ENSG00000120889	18980244;
C066851	increase	TP53	ENSG00000141510	15489892;17124180;
C067311	decrease	BCL2	ENSG00000171791	19103299;
C067311	decrease	CASP3	ENSG00000164305	17562444;15970518;15282376;
C067311	decrease	CDKN2A	ENSG00000147889	16797627;
C067311	decrease	CYP19A1	ENSG00000137869	15623590;
C067311	decrease	MCM2	ENSG00000073111	17562444;
C067311	decrease	PGR	ENSG00000082175	15623590;
C067311	decrease	RB1	ENSG00000139687	15297405;
C067311	decrease	TNF	ENSG00000223952	15623590;
C067311	increase	ABCB1	ENSG00000085563	15239142;17284363;15239124;
C067311	increase	ABCC1	ENSG00000103222	15239124;
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C067311	increase	HRAS	ENSG00000174775	15970518;
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C067311	increase	MDM2	ENSG00000135679	16797627;16080190;
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C067311	increase	TYMP	ENSG00000025708	15150550;
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C067311	increase	UMPS	ENSG00000114491	16557585;
C067372	increase	BAX	ENSG00000087088	15447660;
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C067372	increase	BID	ENSG00000015475	15447660;
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C067431	decrease	CCND2	ENSG00000118971	16033851;
C067431	decrease	MKI67	ENSG00000148773	16002280;
C067431	decrease	PGR	ENSG00000082175	16002280;
C067431	increase	LHB	ENSG00000104826	16046582;
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C067713	increase	CEBPD	ENSG00000221869	11779194;
C067713	increase	COMT	ENSG00000093010	17138778;
C067713	increase	GSTA2	ENSG00000244067	12446695;
C067713	increase	IL6	ENSG00000136244	11893605;
C067713	increase	IL8	ENSG00000169429	12208513;
C067713	increase	NFE2L2	ENSG00000116044	12446695;
C067713	increase	TNF	ENSG00000223952	17138778;
C068040	increase	MT2A	ENSG00000125148	9851254;
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C068051	affect	CASP10	ENSG00000003400	15916722;
C068051	affect	CASP6	ENSG00000138794	15916722;
C068051	increase	TP53	ENSG00000141510	15916722;
C068073	decrease	AGRN	ENSG00000188157	16982809;
C068073	decrease	ATP2B1	ENSG00000070961	16982809;
C068073	decrease	C16ORF46	ENSG00000166455	16982809;
C068073	decrease	C4ORF32	ENSG00000174749	16982809;
C068073	decrease	C7ORF45	ENSG00000165120	16982809;
C068073	decrease	CALCRL	ENSG00000064989	16982809;
C068073	decrease	CD1A	ENSG00000158477	16982809;
C068073	decrease	CDR2L	ENSG00000109089	16982809;
C068073	decrease	CTTNBP2	ENSG00000077063	16982809;
C068073	decrease	DMPK	ENSG00000104936	16982809;
C068073	decrease	DMWD	ENSG00000185800	16982809;
C068073	decrease	FAM109A	ENSG00000198324	16982809;
C068073	decrease	FUT7	ENSG00000180549	16982809;
C068073	decrease	GOLGA8A	ENSG00000175265	16982809;
C068073	decrease	GPD1L	ENSG00000152642	16982809;
C068073	decrease	HIST1H2BD	ENSG00000158373	16982809;
C068073	decrease	HLX	ENSG00000136630	16982809;
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C068073	decrease	IL1RAP	ENSG00000196083	16982809;
C068073	decrease	IPCEF1	ENSG00000074706	16982809;
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C068073	decrease	KIAA1274	ENSG00000107719	16982809;
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C068073	decrease	LELP1	ENSG00000203784	16982809;
C068073	decrease	LRP11	ENSG00000120256	16982809;
C068073	decrease	MAN1C1	ENSG00000117643	16982809;
C068073	decrease	MAP3K6	ENSG00000142733	16982809;
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C068073	decrease	METRN	ENSG00000103260	16982809;
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C068073	decrease	PDLIM2	ENSG00000120913	16982809;
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C068073	decrease	PON2	ENSG00000105854	16982809;
C068073	decrease	QPRT	ENSG00000103485	16982809;
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C068073	decrease	RAP1GAP	ENSG00000076864	16982809;
C068073	decrease	REPS2	ENSG00000169891	16982809;
C068073	decrease	RFXAP	ENSG00000133111	16982809;

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C068073	increase	FN1	ENSG00000115414	16982809;
C068073	increase	GDF15	ENSG00000130513	16982809;
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C068073	increase	ITGAE	ENSG00000083457	16982809;
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C068073	increase	PPAP2B	ENSG00000162407	16982809;
C068073	increase	PRAM1	ENSG00000133246	16982809;
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C068073	increase	RARA	ENSG00000131759	10779427;16178010;16636311;
C068073	increase	RBP1	ENSG00000248478	16982809;
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C068073	increase	SNAI3	ENSG00000185669	16982809;

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C068073	increase	TGM2	ENSG00000198959	9516142;16982809;
C068073	increase	THBS3	ENSG00000169231	16982809;
C068073	increase	TM7SF4	ENSG00000164935	16982809;
C068291	decrease	IFNG	ENSG00000111537	14644929;
C068291	increase	CCL11	ENSG00000172156	14644929;
C068291	increase	IL5	ENSG00000113525	14644929;
C068337	decrease	CD74	ENSG00000019582	18818744;
C068430	increase	HMOX1	ENSG00000100292	17225922;
C068870	increase	INS	ENSG00000129965	16505238;
C068874	affect	TP53	ENSG00000141510	17339891;15161716;16204068;
C068874	increase	ANXA2	ENSG00000182718	15152939;
C068874	increase	FAS	ENSG00000026103	16204068;15161716;
C068874	increase	FXYD3	ENSG00000089356	15152939;
C068874	increase	HSPE1	ENSG00000115541	15152939;
C068874	increase	SAT1	ENSG00000130066	15152939;
C068874	increase	TMSB10	ENSG00000034510	15152939;
C068874	increase	TYMS	ENSG00000176890	10482907;17339891;15152939;15161716;
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C069357	increase	IL16	ENSG00000172349	12235264;
C069741	decrease	ANGPT2	ENSG00000091879	16681930;
C069741	decrease	PCNA	ENSG00000132646	16681930;
C069741	decrease	VEGFA	ENSG00000112715	16681930;
C069741	increase	THBS1	ENSG00000137801	16681930;
C069741	increase	TIMP2	ENSG00000035862	16681930;
C070081	affect	PON1	ENSG00000005421	15458977;
C070081	affect	THBS1	ENSG00000137801	17010073;
C070081	decrease	ABCC11	ENSG00000121270	18310281;
C070081	decrease	ABCC5	ENSG00000114770	15072547;
C070081	decrease	AHNAK	ENSG00000124942	16514628;
C070081	decrease	AR	ENSG00000169083	15171712;15316697;11867264;
C070081	decrease	ASNS	ENSG00000070669	16514628;
C070081	decrease	AURKA	ENSG00000087586	16514628;
C070081	decrease	BAX	ENSG00000087088	15870704;
C070081	decrease	C10ORF10	ENSG00000165507	16298037;
C070081	decrease	C6ORF106	ENSG00000196821	16514628;
C070081	decrease	CBX1	ENSG00000108468	16514628;
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C070081	decrease	COMT	ENSG00000093010	18497090;18192686;
C070081	decrease	COPB2	ENSG00000184432	16514628;
C070081	decrease	CSF3	ENSG00000108342	16298037;
C070081	decrease	CSTA	ENSG00000121552	15072547;
C070081	decrease	DDX21	ENSG00000165732	16514628;
C070081	decrease	DDX3Y	ENSG00000067048	16514628;
C070081	decrease	DHX9	ENSG00000135829	16514628;
C070081	decrease	DNAJA1	ENSG00000086061	16514628;
C070081	decrease	EIF2S1	ENSG00000134001	16514628;

C070081	decrease	EIF5	ENSG00000100664	16514628;
C070081	decrease	ELOVL5	ENSG00000012660	16514628;
C070081	decrease	ESRRA	ENSG00000173153	15968320;
C070081	decrease	FGF9	ENSG00000102678	14602803;
C070081	decrease	FLNC	ENSG00000128591	16514628;
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C070081	increase	IL8	ENSG00000169429	16298037;
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C071423	increase	CALCB	ENSG00000175868	18584893;
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C072019	decrease	BID	ENSG00000015475	15698582;
C072019	increase	TP53	ENSG00000141510	15698582;
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C072553	increase	PGR	ENSG00000082175	15218360;

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C072876	increase	CDKN1A	ENSG00000124762	12181422;
C072876	increase	GYPA	ENSG00000170180	12181422;
C072876	increase	IL10RA	ENSG00000110324	10076546;
C072876	increase	NFKB1	ENSG00000109320	9973483;
C072876	increase	RELA	ENSG00000173039	9973483;
C072876	increase	TNF	ENSG00000223952	9973483;
C072876	increase	TP53	ENSG00000141510	10076546;
C073539	increase	ABCC2	ENSG00000023839	15896333;
C073539	increase	NQO1	ENSG00000181019	15896333;
C073539	increase	UGT1A1	ENSG00000241635	15896333;
C074153	affect	CFL2	ENSG00000165410	18444160;
C074153	affect	HSPE1	ENSG00000115541	18444160;
C074153	affect	NME6	ENSG00000172113	18444160;
C074153	affect	SSBP1	ENSG00000106028	18444160;
C074153	decrease	AKT1	ENSG00000142208	16399772;
C074153	decrease	CCND1	ENSG00000110092	12844480;16399772;
C074153	decrease	CCND2	ENSG00000118971	12844480;
C074153	decrease	KLK3	ENSG00000142515	17205524;
C074153	decrease	MYC	ENSG00000136997	12844480;
C074153	decrease	NFKB1	ENSG00000109320	16399772;
C074153	decrease	PCNA	ENSG00000132646	12844480;
C074153	decrease	PTGS2	ENSG00000073756	16399772;
C074153	increase	AR	ENSG00000169083	17205524;
C074153	increase	CASP3	ENSG00000164305	12844480;
C074153	increase	CDKN1A	ENSG00000124762	12844480;
C074153	increase	CDKN1B	ENSG00000111276	12844480;
C074153	increase	FAS	ENSG00000026103	12844480;
C074153	increase	GPX5	ENSG00000224586	16399772;
C074153	increase	TP53	ENSG00000141510	17205524;
C074279	decrease	CCNE1	ENSG00000105173	12907249;
C074279	decrease	CDK2	ENSG00000123374	12907249;
C074279	decrease	CDKN1A	ENSG00000124762	12907249;
C074279	increase	BGLAP	ENSG00000242252	12898515;
C074279	increase	CAMP	ENSG00000164047	15985530;
C074279	increase	CDKN1B	ENSG00000111276	12907249;
C074619	decrease	CRP	ENSG00000132693	16118546;
C074619	decrease	MPO	ENSG00000005381	18701766;
C074619	increase	F2	ENSG00000180210	1290488;18449412;17696810;15080313;16084352;19124943;15155122;19468011;16845256;19644995;84564
C074619	increase	SELP	ENSG00000174175	16845256;
C074702	affect	HMOX1	ENSG00000100292	12716893;

C074702	affect	LCK	ENSG00000182866	17078813;
C074702	affect	STAT1	ENSG00000115415	19403854;17078813;
C074702	decrease	SOD1	ENSG00000142168	17098216;
C074702	increase	HIF1A	ENSG00000100644	19403854;
C074702	increase	IL6	ENSG00000136244	17078813;
C074702	increase	MT1A	ENSG00000205362	12716893;
C074702	increase	MT2A	ENSG00000125148	12716893;
C074702	increase	VEGFA	ENSG00000112715	19403854;
C074761	increase	CAT	ENSG00000121691	17473450;
C075750	increase	PTGS2	ENSG00000073756	8621535;
C075773	affect	HDAC1	ENSG00000116478	18497984;
C075773	affect	MAGEA9	ENSG00000166008	17290406;
C075773	affect	MECP2	ENSG00000169057	18497984;
C075773	affect	TUBB3	ENSG00000198211	18497984;
C075773	decrease	C3ORF26	ENSG00000184220	14583596;
C075773	decrease	CIRH1A	ENSG00000141076	14583596;
C075773	decrease	CITED2	ENSG00000164442	14583596;
C075773	decrease	CLDN1	ENSG00000163347	14583596;
C075773	decrease	CNIH4	ENSG00000143771	14583596;
C075773	decrease	CNOT2	ENSG00000111596	14583596;
C075773	decrease	CSDE1	ENSG00000009307	14583596;
C075773	decrease	DDX55	ENSG00000111364	14583596;
C075773	decrease	EEF1E1	ENSG00000124802	14583596;
C075773	decrease	EFTUD2	ENSG00000108883	14583596;
C075773	decrease	FARSB	ENSG00000116120	14583596;
C075773	decrease	FGF2	ENSG00000138685	14583596;
C075773	decrease	GAS6	ENSG00000248501	14583596;
C075773	decrease	HMGA1	ENSG00000137309	14583596;
C075773	decrease	HNRNPA2B	ENSG00000122566	14583596;
C075773	decrease	ID1	ENSG00000125968	14583596;
C075773	decrease	IPO11	ENSG00000086200	14583596;
C075773	decrease	JUB	ENSG00000129474	14583596;
C075773	decrease	MAT2A	ENSG00000168906	14583596;
C075773	decrease	MKI67IP	ENSG00000155438	14583596;
C075773	decrease	MRPS18C	ENSG00000163319	14583596;
C075773	decrease	MRPS22	ENSG00000175110	14583596;
C075773	decrease	NDE1	ENSG00000072864	14583596;
C075773	decrease	NLN	ENSG00000123213	14583596;
C075773	decrease	NOLC1	ENSG00000166197	14583596;
C075773	decrease	NOM1	ENSG00000146909	14583596;
C075773	decrease	PAWR	ENSG00000177425	14583596;
C075773	decrease	PDCD2L	ENSG00000126249	14583596;
C075773	decrease	POLE4	ENSG00000115350	14583596;
C075773	decrease	PPIL1	ENSG00000137168	14583596;
C075773	decrease	RBM8A	ENSG00000131795	14583596;
C075773	decrease	RPL7A	ENSG00000148303	14583596;
C075773	decrease	SLU7	ENSG00000164609	14583596;
C075773	decrease	SMCR7L	ENSG00000100335	14583596;
C075773	decrease	SNX5	ENSG00000089006	14583596;
C075773	decrease	SOX4	ENSG00000124766	14583596;
C075773	decrease	SUV420H1	ENSG00000110066	14583596;
C075773	decrease	SYVN1	ENSG00000162298	14583596;
C075773	decrease	TAX1BP1	ENSG00000106052	14583596;
C075773	decrease	TAX1BP3	ENSG00000213977	14583596;

C075773	decrease	TIMM50	ENSG00000105197	14583596;
C075773	decrease	TMPO	ENSG00000120802	14583596;
C075773	decrease	TRA2A	ENSG00000164548	14583596;
C075773	decrease	TSR1	ENSG00000167721	14583596;
C075773	decrease	UBE2W	ENSG00000104343	14583596;
C075773	decrease	WDR4	ENSG00000160193	14583596;
C075773	decrease	WWTR1	ENSG00000018408	14583596;
C075773	decrease	XPO5	ENSG00000124571	14583596;
C075773	decrease	YTHDF2	ENSG00000198492	14583596;
C075773	decrease	ZBTB2	ENSG00000181472	14583596;
C075773	decrease	ZNRD1	ENSG00000236808	14583596;
C075773	increase	AARS	ENSG00000090861	14583596;
C075773	increase	AHSA1	ENSG00000100591	14583596;
C075773	increase	AKR1C1	ENSG00000187134	14583596;
C075773	increase	BCL6	ENSG00000113916	14583596;
C075773	increase	CARS	ENSG00000110619	14583596;
C075773	increase	CDKN1A	ENSG00000124762	17210717;
C075773	increase	CDKN2A	ENSG00000147889	17210717;
C075773	increase	COL5A1	ENSG00000130635	14583596;
C075773	increase	CSPG5	ENSG00000114646	14583596;
C075773	increase	EGFL7	ENSG00000172889	19116145;
C075773	increase	EHD3	ENSG00000013016	14583596;
C075773	increase	FAAH	ENSG00000117480	14583596;
C075773	increase	FBLN1	ENSG00000077942	14583596;
C075773	increase	GRB10	ENSG00000106070	14583596;
C075773	increase	GSTA4	ENSG00000170899	14583596;
C075773	increase	HLA-E	ENSG00000225201	14583596;
C075773	increase	HSPA1A	ENSG00000232804	14583596;
C075773	increase	HSPA2	ENSG00000126803	14583596;
C075773	increase	HSPA4L	ENSG00000164070	14583596;
C075773	increase	HSPH1	ENSG00000120694	14583596;
C075773	increase	IL1B	ENSG00000125538	17709599;
C075773	increase	IL6	ENSG00000136244	17709599;
C075773	increase	IL8	ENSG00000169429	17709599;
C075773	increase	MT1F	ENSG00000198417	14583596;
C075773	increase	NR1D2	ENSG00000174738	14583596;
C075773	increase	POLR2A	ENSG00000181222	14583596;
C075773	increase	PTGS2	ENSG00000073756	17709599;
C075773	increase	SLC22A18	ENSG00000110628	14583596;
C075773	increase	TMED5	ENSG00000117500	14583596;
C075773	increase	TSC2	ENSG00000103197	14583596;
C075856	increase	RHOB	ENSG00000143878	12671036;
C075954	increase	ABCG2	ENSG00000118777	17077187;15917307;
C076196	increase	ICAM1	ENSG00000090339	15358673;
C076196	increase	NOS3	ENSG00000164867	15358673;
C076196	increase	VCAM1	ENSG00000162692	15358673;
C076207	decrease	IL12A	ENSG00000168811	9819373;
C076207	decrease	IL12B	ENSG00000113302	9819373;
C076588	increase	AKR1A1	ENSG00000117448	15720144;16411658;99732
C076588	increase	AKR1C1	ENSG00000187134	9973208;
C076588	increase	CYP1A1	ENSG00000140465	9973208;
C076588	increase	CYP1B1	ENSG00000138061	16411658;
C076852	decrease	BIRC5	ENSG00000089685	15958646;
C076852	decrease	CDK1	ENSG00000170312	15958646;

C076852	increase	ABCB1	ENSG00000085563	16544145;
C076852	increase	SP1	ENSG00000185591	16544145;
C077990	affect	H2AFX	ENSG00000188486	15078984;
C077990	decrease	BAG1	ENSG00000250477	15972445;
C077990	decrease	BCL2	ENSG00000171791	12170773;12517783;15770523;15972445;
C077990	decrease	BCL2L1	ENSG00000171552	12517783;15634644;
C077990	decrease	BIRC3	ENSG00000023445	12517783;
C077990	decrease	BIRC5	ENSG00000089685	16012789;12517783;
C077990	decrease	CCNB1	ENSG00000134057	12517783;
C077990	decrease	CCND1	ENSG00000110092	15634644;12517783;
C077990	decrease	MCL1	ENSG00000143384	12517783;15634644;15972445;
C077990	decrease	RB1	ENSG00000139687	15297405;15078984;15180955;
C077990	decrease	XIAP	ENSG00000101966	12517783;15972445;15385934;
C077990	increase	BAX	ENSG00000087088	12517783;15634644;15770523;
C077990	increase	CDKN1A	ENSG00000124762	15770523;15180955;
C077990	increase	CDKN1B	ENSG00000111276	15180955;
C077990	increase	TP53	ENSG00000141510	15297405;15180955;
C078131	increase	MMP9	ENSG00000100985	18006877;
C078706	increase	RHOA	ENSG00000067560	12671036;
C078706	increase	RHOB	ENSG00000143878	12671036;
C078814	increase	CD36	ENSG00000135218	17360047;
C078846	decrease	PACRG	ENSG00000112530	18586549;
C078846	decrease	PARK2	ENSG00000185345	18586549;
C078903	decrease	BIRC5	ENSG00000089685	18567002;
C078903	decrease	CCNE1	ENSG00000105173	12907249;
C078903	decrease	CDK2	ENSG00000123374	12907249;
C078903	decrease	PTHLH	ENSG00000087494	16243370;
C078903	increase	BAX	ENSG00000087088	16340750;
C078903	increase	BCL2L11	ENSG00000153094	16340750;
C078903	increase	CA2	ENSG00000104267	16340750;
C078903	increase	CAMP	ENSG00000164047	15985530;
C078903	increase	CDKN1A	ENSG00000124762	12907249;16340750;
C078903	increase	CDKN1B	ENSG00000111276	16340750;12907249;
C078903	increase	SPDEF	ENSG00000124664	18567002;
C079198	decrease	CD34	ENSG00000174059	18607998;
C079198	decrease	FGF2	ENSG00000138685	18607998;
C079198	decrease	TEK	ENSG00000120156	18607998;
C079198	increase	DPYD	ENSG00000188641	18506536;
C079198	increase	SLC29A1	ENSG00000112759	18383843;
C079198	increase	TYMP	ENSG00000025708	18506536;
C079391	increase	CDKN1A	ENSG00000124762	17045927;
C079391	increase	NOS3	ENSG00000164867	17045927;
C079391	increase	TP53	ENSG00000141510	17045927;
C079905	increase	ABCC2	ENSG00000023839	15342794;
C080163	increase	IL1B	ENSG00000125538	10822086;
C080163	increase	SELE	ENSG00000007908	10822086;
C080222	increase	ABCB1	ENSG00000085563	16026610;
C080417	decrease	CDO1	ENSG00000129596	16223563;
C080417	decrease	PAPSS1	ENSG00000138801	16223563;
C080417	decrease	PAPSS2	ENSG00000198682	16223563;

C080417	decrease	SUOX	ENSG00000139531	16223563;
C080418	decrease	HMOX1	ENSG00000100292	17855475;
C080418	increase	CYBB	ENSG00000165168	17855475;
C080418	increase	NOS1	ENSG00000089250	17855475;
C080418	increase	NOS2	ENSG00000007171	17855475;
C080418	increase	PTGS2	ENSG00000073756	17855475;
C080815	increase	FSHB	ENSG00000131808	17515571;
C080955	decrease	CAT	ENSG00000121691	18848576;
C080955	decrease	CAV1	ENSG00000105974	18848576;
C080955	decrease	CCNK	ENSG00000090061	11494140;
C080955	decrease	CYP19A1	ENSG00000137869	16480277;15964185;
C080955	decrease	DDIT3	ENSG00000175197	17709599;
C080955	decrease	HGF	ENSG00000019991	10807402;
C080955	decrease	KIAA0101	ENSG00000166803	11494140;
C080955	decrease	PTGER2	ENSG00000125384	17709599;
C080955	decrease	SOD2	ENSG00000112096	18848576;
C080955	decrease	TPX2	ENSG00000088325	11494140;
C080955	increase	ALOX15	ENSG00000161905	11861401;10904086;11406566;
C080955	increase	DNM2	ENSG00000079805	11494140;
C080955	increase	EGR1	ENSG00000120738	11595463;
C080955	increase	GATA6	ENSG00000141448	11861401;
C080955	increase	GDF15	ENSG00000130513	15555568;15180942;
C080955	increase	IL1B	ENSG00000125538	16354411;12946449;
C080955	increase	IL6	ENSG00000136244	16354411;12946449;15379866;17709599;
C080955	increase	IL8	ENSG00000169429	16354411;12946449;17709599;
C080955	increase	MMP9	ENSG00000100985	19804834;
C080955	increase	PAWR	ENSG00000177425	10833474;
C080955	increase	PCDH7	ENSG00000169851	11494140;
C080955	increase	PDCD4	ENSG00000150593	11494140;
C080955	increase	PDLIM5	ENSG00000163110	11494140;
C080955	increase	PPFIA1	ENSG00000131626	11494140;
C080955	increase	PTGS2	ENSG00000073756	16354411;12946449;12414664;18596194;16928824;18848576;17709599;15155531;14566837;11494140;15843042;15144595;10485483;
C080955	increase	VEGFA	ENSG00000112715	11595463;18596194;
C081020	increase	IL6	ENSG00000136244	11410519;
C081020	increase	KLK3	ENSG00000142515	11410519;
C081021	decrease	PRKCA	ENSG00000154229	16374459;
C081021	increase	BTG2	ENSG00000159388	15302583;
C081021	increase	CCNB1	ENSG00000134057	17320279;
C081021	increase	CRH	ENSG00000147571	17170093;
C081021	increase	CYP11A1	ENSG00000140459	17170093;
C081021	increase	HMOX1	ENSG00000100292	18357586;
C081021	increase	HSD3B1	ENSG00000203857	17170093;
C081021	increase	IL2	ENSG00000109471	16241859;
C081021	increase	PLD2	ENSG00000129219	15210717;
C081021	increase	PTGS2	ENSG00000073756	15210717;19804834;
C081021	increase	VDR	ENSG00000111424	15879110;
C081306	decrease	BCL2	ENSG00000171791	15519653;
C081306	decrease	BCL2L1	ENSG00000171552	15519653;

C081306	increase	BAX	ENSG00000087088	15519653;
C081489	increase	NPPB	ENSG00000120937	16247790;
C081510	decrease	CCL2	ENSG00000108691	15762874;
C081510	decrease	IL6	ENSG00000136244	15762874;
C081510	decrease	IL8	ENSG00000169429	15762874;
C081972	increase	GUSB	ENSG00000169919	11238657;
C081972	increase	HRH1	ENSG00000196639	11238657;
C081972	increase	IL6	ENSG00000136244	11238657;
C082032	increase	ABCB1	ENSG00000085563	15269186;
C082032	increase	CYP3A4	ENSG00000160868	15269186;
C082032	increase	UGT1A1	ENSG00000241635	15269186;
C082089	increase	ABCB1	ENSG00000085563	15269186;
C082089	increase	CYP3A4	ENSG00000160868	15269186;
C082089	increase	UGT1A1	ENSG00000241635	15269186;
C082097	increase	ABCB1	ENSG00000085563	15269186;
C082097	increase	CYP3A4	ENSG00000160868	15269186;
C082097	increase	UGT1A1	ENSG00000241635	15269186;
C082137	increase	CES1	ENSG00000198848	15681896;
C082137	increase	CES2	ENSG00000172831	15681896;
C082137	increase	CHST1	ENSG00000175264	15681896;
C082137	increase	CYP1A1	ENSG00000140465	15681896;
C082137	increase	CYP1A2	ENSG00000140505	15681896;
C082137	increase	CYP3A4	ENSG00000160868	15681896;
C082137	increase	SULT2A1	ENSG00000105398	15681896;
C082161	increase	HMOX1	ENSG00000100292	16806455;
C082161	increase	NFE2L2	ENSG00000116044	16806455;
C082290	increase	NQO1	ENSG00000181019	9029048;
C082359	decrease	HSP90B1	ENSG00000166598	16884889;
C082359	decrease	HSPA5	ENSG00000044574	16884889;
C082359	decrease	HSPB1	ENSG00000106211	16884889;
C083079	decrease	CD74	ENSG00000019582	11046123;
C083079	decrease	ICAM1	ENSG00000090339	11046123;
C083079	decrease	SELE	ENSG00000007908	11046123;
C083781	decrease	FSHB	ENSG00000131808	11228061;
C083781	decrease	LHB	ENSG00000104826	11228061;
C084012	increase	CALCA	ENSG00000110680	16996168;
C084527	increase	PTGS2	ENSG00000073756	11854442;
C084597	decrease	SLC2A3	ENSG00000059804	15342952;
C084597	decrease	TAGLN	ENSG00000149591	15342952;
C084597	increase	ASAHI	ENSG00000104763	15342952;
C084597	increase	C10ORF10	ENSG00000165507	15342952;
C084597	increase	FABP1	ENSG00000163586	15342952;
C084597	increase	FNDC4	ENSG00000115226	15342952;
C084597	increase	GDPD3	ENSG00000102886	15342952;
C084597	increase	HPN	ENSG00000105707	15342952;
C084597	increase	INHBE	ENSG00000139269	15342952;
C084597	increase	LSS	ENSG00000160285	15342952;
C084597	increase	NR0B2	ENSG00000131910	15342952;
C084597	increase	NUPR1	ENSG00000176046	15342952;
C084597	increase	SERPINA3	ENSG00000196136	15342952;
C084597	increase	WIFI1	ENSG00000070540	15342952;
C084656	affect	CPT1A	ENSG00000110090	17715259;
C084656	affect	EDNRB	ENSG00000136160	17715259;
C084656	affect	IL11	ENSG00000095752	17715259;

C084656	affect	IL6	ENSG00000136244	17715259;
C084656	affect	NR4A1	ENSG00000123358	17715259;
C084656	affect	NR4A2	ENSG00000153234	17715259;
C084656	affect	PEX11A	ENSG00000166821	17715259;
C084656	decrease	APOE	ENSG00000130203	17715259;
C084656	decrease	CPN2	ENSG00000178772	17715259;
C084656	decrease	CTDSPL	ENSG00000144677	17715259;
C084656	decrease	CYP1B1	ENSG00000138061	17715259;
C084656	decrease	CYP2B6	ENSG00000197408	17715259;
C084656	decrease	IL1B	ENSG00000125538	17715259;
C084656	decrease	IL1F5	ENSG00000136695	17715259;
C084656	decrease	IL1RN	ENSG00000136689	17715259;
C084656	decrease	IL24	ENSG00000162892	17715259;
C084656	decrease	IL8	ENSG00000169429	17715259;
C084656	decrease	NCOR1	ENSG00000141027	17715259;
C084656	decrease	POSTN	ENSG00000133110	17715259;
C084656	decrease	SERPINE1	ENSG00000106366	17715259;
C084656	decrease	THBS1	ENSG00000137801	17715259;
C084656	decrease	TNFRSF11B	ENSG00000164761	17715259;
C084656	increase	AADAC	ENSG00000114771	17715259;
C084656	increase	ALPL	ENSG00000162551	17715259;
C084656	increase	B4GALT1	ENSG00000086062	17715259;
C084656	increase	BMP4	ENSG00000125378	17715259;
C084656	increase	CD14	ENSG00000170458	17715259;
C084656	increase	CES1	ENSG00000198848	17715259;
C084656	increase	COL15A1	ENSG00000204291	17715259;
C084656	increase	COL1A1	ENSG00000108821	17715259;
C084656	increase	CP	ENSG00000047457	17715259;
C084656	increase	CRIP1	ENSG00000213145	17715259;
C084656	increase	CYP24A1	ENSG00000019186	17715259;
C084656	increase	CYP3A4	ENSG00000160868	11723248;
C084656	increase	FBLN2	ENSG00000163520	17715259;
C084656	increase	ID3	ENSG00000117318	17715259;
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C084656	increase	MF12	ENSG00000163975	17715259;
C084656	increase	MGP	ENSG00000111341	17715259;
C084656	increase	MRPL33	ENSG00000243147	17715259;
C084656	increase	PTGS1	ENSG00000095303	17715259;
C084656	increase	PTGS2	ENSG00000073756	17715259;
C084656	increase	RARRES1	ENSG00000118849	17715259;
C084656	increase	SOD3	ENSG00000109610	17715259;
C084656	increase	SPP1	ENSG00000118785	17715259;
C084656	increase	TGFB3	ENSG00000119699	17715259;
C084656	increase	THBD	ENSG00000178726	17715259;
C084656	increase	TNXB	ENSG00000168477	17715259;
C084656	increase	TREM1	ENSG00000124731	17715259;
C084656	increase	VDR	ENSG00000111424	17715259;15898824;16076355;
C084904	decrease	STAT1	ENSG00000115415	16085646;16007204;
C084904	increase	BCMO1	ENSG00000135697	16186334;
C084904	increase	CD1D	ENSG00000158473	17392484;
C084904	increase	IFNG	ENSG00000111537	16007204;16872382;
C084904	increase	IFNGR1	ENSG00000027697	16085646;
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C084904	increase	PLAT	ENSG00000104368	7556191;
C084904	increase	RARA	ENSG00000131759	10779427;7556191;172165
C084924	increase	SNCA	ENSG00000145335	15114628;
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C084956	decrease	IL12B	ENSG00000113302	16116186;
C084956	decrease	NAIP	ENSG00000250628	16088125;
C085118	increase	FGF7	ENSG00000140285	15678371;
C085514	decrease	NAT1	ENSG00000171428	15816529;
C085586	affect	TP53	ENSG00000141510	17339891;15161716;
C085586	increase	FAS	ENSG00000026103	15161716;
C085586	increase	TYMS	ENSG00000176890	17339891;15161716;
C085746	decrease	ABL1	ENSG00000097007	17030193;
C085746	decrease	PPARG	ENSG00000132170	17030193;
C085746	increase	BIRC3	ENSG00000023445	14527959;
C085746	increase	CDKN1A	ENSG00000124762	15976015;
C085746	increase	COL1A1	ENSG00000108821	17030193;
C085746	increase	DDIT3	ENSG00000175197	17171638;
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C085746	increase	IFNA2	ENSG00000188379	16260419;
C085746	increase	IL2	ENSG00000109471	16241859;
C085746	increase	IL8	ENSG00000169429	17097691;
C085746	increase	JUN	ENSG00000177606	18628248;
C085746	increase	MIF	ENSG00000240972	16872482;
C085746	increase	MMP2	ENSG00000087245	16872482;
C085746	increase	PLD1	ENSG00000075651	17640750;
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C085911	affect	ITGA5	ENSG00000161638	16465378;
C085911	affect	ITGB3	ENSG00000056345	16465378;
C085911	decrease	APP	ENSG00000142192	16648635;
C085911	decrease	BCL2L1	ENSG00000171552	14762343;
C085911	decrease	CCND1	ENSG00000110092	14757120;
C085911	decrease	CCND3	ENSG00000112576	14757120;
C085911	decrease	CCNE1	ENSG00000105173	14757120;
C085911	decrease	CFLAR	ENSG00000003402	12663669;12970779;
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C085911	increase	CALCA	ENSG00000110680	16222118;
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C085911	increase	CCL2	ENSG00000108691	16794257;

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C085911	increase	DDIT3	ENSG00000175197	17049495;17171638;
C085911	increase	DPP3	ENSG00000174483	17360324;
C085911	increase	EGF	ENSG00000138798	16472761;16343977;18214481;16848764;16619521;
C085911	increase	F3	ENSG00000117525	18325115;15371228;
C085911	increase	FAS	ENSG00000026103	16162944;
C085911	increase	FGF2	ENSG00000138685	15631803;
C085911	increase	FGF7	ENSG00000140285	16162944;
C085911	increase	GSTA1	ENSG00000243955	15090468;
C085911	increase	HIF1A	ENSG00000100644	16682453;15050414;15631803;18924134;11424089;17082639;15213310;16227395;14726529;
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C085911	increase	IGF1	ENSG00000017427	15947004;16682453;16465378;
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C085911	increase	SCD	ENSG00000099194	16162944;
C085911	increase	SQSTM1	ENSG00000161011	17360324;
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C085911	increase	TNF	ENSG00000223952	12663669;12805067;16794257;
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C085911	increase	TNFRSF10B	ENSG00000120889	15942663;
C085911	increase	TP53	ENSG00000141510	15763944;16024610;17534123;
C085911	increase	UGT1A1	ENSG00000241635	15896333;
C085911	increase	VEGFA	ENSG00000112715	15050414;18252963;16682453;15930297;16638750;
C085911	increase	XIAP	ENSG00000101966	15339911;18071906;
C085989	increase	ACTA2	ENSG00000107796	16757516;
C085989	increase	TGFB1	ENSG00000105329	16757516;
C086108	decrease	CCL2	ENSG00000108691	17507084;
C086108	increase	HRH2	ENSG00000113749	12235264;
C086108	increase	IL16	ENSG00000172349	12235264;
C086232	increase	CYP2B6	ENSG00000197408	18332078;
C086232	increase	CYP3A4	ENSG00000160868	18332078;
C086232	increase	FN1	ENSG00000115414	12388107;
C086276	decrease	ENTPD1	ENSG00000138185	12067895;
C086276	decrease	F2	ENSG00000180210	12067895;
C086276	increase	CYP2B6	ENSG00000197408	15802384;
C086511	affect	BCL2	ENSG00000171791	15868441;
C086511	affect	IGF1R	ENSG00000140443	15868441;
C086511	affect	IGFBP2	ENSG00000115457	15868441;

C086511	affect	PGR	ENSG00000082175	15868441;
C086511	decrease	ESR1	ENSG00000091831	15868441;
C086539	increase	FN1	ENSG00000115414	12388107;
C086566	decrease	ABCA1	ENSG00000165029	16963248;
C086566	decrease	ADD2	ENSG00000075340	16963248;
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C086566	increase	OLFML3	ENSG00000116774	16963248;
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C086566	increase	RPS6KA3	ENSG00000177189	15757668;
C086566	increase	TACR3	ENSG00000169836	16963248;
C086566	increase	VDR	ENSG00000111424	17088408;
C086664	increase	CGB	ENSG00000213030	15941851;19497422;
C086664	increase	CYP19A1	ENSG00000137869	15941851;
C086827	affect	FSHB	ENSG00000131808	15244497;
C086827	affect	LHB	ENSG00000104826	15244497;
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C086827	increase	BAX	ENSG00000087088	16196285;16109552;
C086827	increase	SLC5A5	ENSG00000105641	16954431;
C087123	affect	TP53	ENSG00000141510	17230511;
C087123	decrease	EWSR1	ENSG00000182944	15849726;
C087123	decrease	FLI1	ENSG00000151702	15849726;
C087123	increase	ABCB1	ENSG00000085563	15634944;16049968;16223781;15833893;
C087123	increase	CDKN1A	ENSG00000124762	17230511;16223781;15849726;
C087123	increase	FOLR2	ENSG00000165457	16740727;
C087123	increase	NR1I3	ENSG00000143257	16006969;
C087203	decrease	PGR	ENSG00000082175	9144411;
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C087667	increase	CYP11B2	ENSG00000179142	16396990;
C087926	increase	GATA1	ENSG00000102145	14757314;
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C088453	decrease	CYP2D6	ENSG00000100197	15448115;
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C088453	decrease	CYP3A5	ENSG00000106258	15448115;
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C088658	affect	CASP2	ENSG00000106144	19036117;
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C088658	affect	CD27	ENSG00000139193	19036117;
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C088658	decrease	MCL1	ENSG00000143384	20349282;
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C088658	increase	RAD17	ENSG00000152942	20349282;
C088658	increase	RGS11	ENSG00000076344	16996129;
C088658	increase	RHOB	ENSG00000143878	16996129;
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C088658	increase	TNFRSF21	ENSG00000146072	19036117;
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C088658	increase	TRAF3	ENSG00000131323	19036117;
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C088658	increase	WNT11	ENSG00000085741	16996129;
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C089730	decrease	BCL2	ENSG00000171791	17461445;
C089730	decrease	C16ORF46	ENSG00000166455	16982809;
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C089730	decrease	C7ORF45	ENSG00000165120	16982809;
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C089730	decrease	CCNB1	ENSG00000134057	15729575;
C089730	decrease	CCND3	ENSG00000112576	15729575;
C089730	decrease	CCNE1	ENSG00000105173	15729575;
C089730	decrease	CCR7	ENSG00000126353	17475839;
C089730	decrease	CD1A	ENSG00000158477	17475839;16982809;
C089730	decrease	CD80	ENSG00000121594	17475839;
C089730	decrease	CDK2	ENSG00000123374	15729575;

C089730	decrease	CDKN1A	ENSG00000124762	15254749;15729575;
C089730	decrease	CDR2L	ENSG00000109089	16982809;
C089730	decrease	CTTNBP2	ENSG00000077063	16982809;
C089730	decrease	DMPK	ENSG00000104936	16982809;
C089730	decrease	DMWD	ENSG00000185800	16982809;
C089730	decrease	FAM109A	ENSG00000198324	16982809;
C089730	decrease	FUT7	ENSG00000180549	16982809;
C089730	decrease	GOLGA8A	ENSG00000175265	16982809;
C089730	decrease	GPD1L	ENSG00000152642	16982809;
C089730	decrease	HIST1H2BD	ENSG00000158373	16982809;
C089730	decrease	HLX	ENSG00000136630	16982809;
C089730	decrease	IL1R1	ENSG00000115594	16982809;
C089730	decrease	IL1RAP	ENSG00000196083	16982809;
C089730	decrease	IPCEF1	ENSG00000074706	16982809;
C089730	decrease	KIAA1161	ENSG00000164976	16982809;
C089730	decrease	KIAA1274	ENSG00000107719	16982809;
C089730	decrease	KIFC2	ENSG00000167702	16982809;
C089730	decrease	LELP1	ENSG00000203784	16982809;
C089730	decrease	LEP	ENSG00000174697	15949695;
C089730	decrease	LRP11	ENSG00000120256	16982809;
C089730	decrease	MAN1C1	ENSG00000117643	16982809;
C089730	decrease	MAP3K6	ENSG00000142733	16982809;
C089730	decrease	MAP4K1	ENSG00000104814	16982809;
C089730	decrease	METRN	ENSG00000103260	16982809;
C089730	decrease	MGAT4C	ENSG00000182050	16982809;
C089730	decrease	NDRG2	ENSG00000165795	16982809;
C089730	decrease	NUDT7	ENSG00000140876	16982809;
C089730	decrease	PDLIM2	ENSG00000120913	16982809;
C089730	decrease	PDLIM4	ENSG00000131435	16982809;
C089730	decrease	PHLDA2	ENSG00000181649	16982809;
C089730	decrease	PON2	ENSG00000105854	16982809;
C089730	decrease	QPRT	ENSG00000103485	16982809;
C089730	decrease	RAB15	ENSG00000139998	16982809;
C089730	decrease	RAP1GAP	ENSG00000076864	16982809;
C089730	decrease	RB1	ENSG00000139687	15729575;
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C089730	decrease	SELPLG	ENSG00000110876	16982809;
C089730	decrease	SP1	ENSG00000185591	15908479;
C089730	decrease	TACSTD2	ENSG00000184292	16982809;
C089730	decrease	TBL1X	ENSG00000101849	16982809;
C089730	decrease	TMEM14A	ENSG00000096092	16982809;
C089730	decrease	TNFSF12	ENSG00000239697	16982809;
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C089730	increase	ADA	ENSG00000196839	16982809;
C089730	increase	AGPAT4	ENSG00000026652	16982809;
C089730	increase	AJAP1	ENSG00000196581	16982809;
C089730	increase	ALDH1A2	ENSG00000128918	16982809;
C089730	increase	APLP2	ENSG00000084234	16982809;
C089730	increase	B3GNT4	ENSG00000176383	16982809;
C089730	increase	BAG2	ENSG00000112208	16982809;
C089730	increase	BAX	ENSG00000087088	17461445;
C089730	increase	C18ORF1	ENSG00000168675	16982809;

C089730	increase	C6ORF142	ENSG00000146147	16982809;
C089730	increase	CARD14	ENSG00000141527	16982809;
C089730	increase	CD1D	ENSG00000158473	16982809;
C089730	increase	CD300A	ENSG00000167851	16982809;
C089730	increase	CD300LB	ENSG00000178789	16982809;
C089730	increase	CD300LF	ENSG00000186074	16982809;
C089730	increase	CD36	ENSG00000135218	17475839;
C089730	increase	CD86	ENSG00000114013	17475839;
C089730	increase	CGB	ENSG00000213030	15941851;19497422;
C089730	increase	COL5A3	ENSG00000080573	16982809;
C089730	increase	CYP2B6	ENSG00000197408	12642470;
C089730	increase	CYP3A4	ENSG00000160868	12642470;15860655;16837568;
C089730	increase	DHRS3	ENSG00000162496	16982809;
C089730	increase	DHRS9	ENSG00000073737	16982809;
C089730	increase	DNAJC5B	ENSG00000147570	16982809;
C089730	increase	EHF	ENSG00000135373	16982809;
C089730	increase	EML4	ENSG00000143924	16982809;
C089730	increase	ETS2	ENSG00000157557	16982809;
C089730	increase	FABP4	ENSG00000170323	16982809;
C089730	increase	FAM101B	ENSG00000183688	16982809;
C089730	increase	FBXO15	ENSG00000141665	16982809;
C089730	increase	FN1	ENSG00000115414	15908479;16982809;
C089730	increase	GABARAPL	ENSG00000139112	16982809;
C089730	increase	GDF15	ENSG00000130513	16982809;
C089730	increase	GUSB	ENSG00000169919	16982809;
C089730	increase	HIPK2	ENSG00000064393	16982809;
C089730	increase	INPP5F	ENSG00000198825	16982809;
C089730	increase	ITGAE	ENSG00000083457	16982809;
C089730	increase	LAIR1	ENSG00000167613	16982809;
C089730	increase	LILRA1	ENSG00000104974	16982809;
C089730	increase	NRIP1	ENSG00000180530	16982809;
C089730	increase	OLR1	ENSG00000173391	16982809;
C089730	increase	OMA1	ENSG00000162600	16982809;
C089730	increase	PAPSS2	ENSG00000198682	16982809;
C089730	increase	PCK1	ENSG00000124253	14739078;
C089730	increase	PLBD1	ENSG00000121316	16982809;
C089730	increase	PPAP2B	ENSG00000162407	16982809;
C089730	increase	PPARGC1A	ENSG00000109819	16513826;
C089730	increase	PPARG	ENSG00000132170	17030193;9013583;15908479;16527820;16982809;19497422;15254749;15491415;15729575;15866424;17185614;16112107;17461445;
C089730	increase	PRAM1	ENSG00000133246	16982809;
C089730	increase	RAB20	ENSG00000139832	16982809;
C089730	increase	RARB	ENSG00000077092	15254749;
C089730	increase	RBKS	ENSG00000171174	16982809;
C089730	increase	RBP1	ENSG00000248478	16982809;
C089730	increase	RDH10	ENSG00000121039	16982809;
C089730	increase	RHOBTB3	ENSG00000164292	16982809;
C089730	increase	RPIA	ENSG00000153574	16982809;
C089730	increase	RXRA	ENSG00000186350	15254749;
C089730	increase	SIRPB1	ENSG00000101307	16982809;

C089730	increase	SLC26A11	ENSG00000181045	16982809;
C089730	increase	SLITRK4	ENSG00000179542	16982809;
C089730	increase	SNAI3	ENSG00000185669	16982809;
C089730	increase	TBC1D2	ENSG00000095383	16982809;
C089730	increase	TBL2	ENSG00000106638	16982809;
C089730	increase	TGM2	ENSG00000198959	16982809;
C089730	increase	THBS3	ENSG00000169231	16982809;
C089730	increase	TM7SF4	ENSG00000164935	16982809;
C089730	increase	WFS1	ENSG00000109501	16982809;
C089946	decrease	BCL2	ENSG00000171791	15916743;
C089946	decrease	CCND1	ENSG00000110092	15916743;
C089946	decrease	CDK4	ENSG00000135446	15916743;
C089946	decrease	CYP1A1	ENSG00000140465	15521013;
C089946	decrease	PCNA	ENSG00000132646	15916743;
C089946	decrease	RB1	ENSG00000139687	15916743;
C089946	increase	BAX	ENSG00000087088	15916743;
C089946	increase	CDKN1A	ENSG00000124762	15916743;
C089946	increase	CDKN1B	ENSG00000111276	15916743;
C090046	increase	RB1	ENSG00000139687	14653808;
C090046	increase	SP1	ENSG00000185591	14653808;
C090450	decrease	MKI67	ENSG00000148773	15767642;16002280;
C090450	decrease	PGR	ENSG00000082175	16002280;
C090840	affect	FSHB	ENSG00000131808	15387353;
C090840	affect	LHB	ENSG00000104826	15387353;
C090859	decrease	CYP19A1	ENSG00000137869	15964185;
C090859	increase	ATF3	ENSG00000162772	14633654;15897233;
C090859	increase	PAWR	ENSG00000177425	10833474;
C090937	decrease	BCL2	ENSG00000171791	19481069;
C090937	decrease	BID	ENSG00000015475	19481069;
C090937	increase	ALOX15	ENSG00000161905	16166323;
C090937	increase	BAX	ENSG00000087088	19481069;
C090937	increase	PRKG1	ENSG00000185532	11602670;
C090937	increase	TP53	ENSG00000141510	19481069;
C090942	affect	BIRC3	ENSG00000023445	16154993;
C090942	decrease	BIRC5	ENSG00000089685	14988404;
C090942	decrease	CCR2	ENSG00000121807	16712875;
C090942	increase	CCL11	ENSG00000172156	11980903;
C090942	increase	CCL26	ENSG00000006606	16045735;
C090942	increase	CCL2	ENSG00000108691	18645721;
C090942	increase	CD14	ENSG00000170458	14729647;
C090942	increase	CEBPB	ENSG00000172216	14729647;
C090942	increase	CYP1A1	ENSG00000140465	15698582;
C090942	increase	FOS	ENSG00000170345	12547826;
C090942	increase	HIF1A	ENSG00000100644	12482858;
C090942	increase	IL4	ENSG00000113520	16045735;
C090942	increase	IL6	ENSG00000136244	11410519;
C090942	increase	ITGAM	ENSG00000169896	11980903;
C090942	increase	KLK3	ENSG00000142515	11410519;
C090942	increase	NGFR	ENSG00000064300	18056468;
C090942	increase	PLAT	ENSG00000104368	18419748;
C090942	increase	PLAU	ENSG00000122861	15557793;
C090942	increase	RB1	ENSG00000139687	14729647;
C090942	increase	VEGFA	ENSG00000112715	12482858;
C091547	decrease	CYP1B1	ENSG00000138061	17637178;

C091696	increase	NQO1	ENSG00000181019	9029048;
C091768	increase	CYP1A1	ENSG00000140465	15385644;17012224;
C091861	increase	ANXA5	ENSG00000164111	16024610;
C092152	increase	ELANE	ENSG00000197561	17456367;
C092312	decrease	P2RY2	ENSG00000175591	10496880;
C092312	decrease	P2RY4	ENSG00000186912	10496880;
C093216	decrease	BCL2L1	ENSG00000171552	18292947;
C093216	increase	BAX	ENSG00000087088	18292947;
C093230	decrease	ICAM1	ENSG00000090339	16270723;
C093230	increase	GUSB	ENSG00000169919	11238657;
C093230	increase	HRH1	ENSG00000196639	11238657;
C093230	increase	IL6	ENSG00000136244	11238657;
C093285	increase	CYP2B6	ENSG00000197408	18206661;
C093285	increase	CYP2E1	ENSG00000130649	18206661;
C093285	increase	CYP3A4	ENSG00000160868	18206661;
C093323	decrease	BIRC5	ENSG00000089685	16780807;
C093323	decrease	CCND1	ENSG00000110092	16780807;
C093323	decrease	E2F1	ENSG00000101412	16780807;
C093323	decrease	HRAS	ENSG00000174775	16780807;
C093622	affect	SHBG	ENSG00000129214	10709161;
C093642	affect	ABCC1	ENSG00000103222	15585369;
C093642	affect	APOA1	ENSG00000118137	19013290;
C093642	affect	BGLAP	ENSG00000242252	17689939;
C093642	affect	CD40	ENSG00000101017	15894585;
C093642	affect	CD80	ENSG00000121594	15894585;
C093642	affect	ERBB2	ENSG00000141736	16488535;
C093642	affect	FGF2	ENSG00000138685	15631803;15249425;
C093642	affect	HSPA6	ENSG00000173110	15978632;
C093642	affect	ICAM1	ENSG00000090339	15894585;
C093642	affect	RUNX2	ENSG00000250096	17689939;
C093642	affect	SP7	ENSG00000170374	17689939;
C093642	decrease	BCL2	ENSG00000171791	16818652;
C093642	decrease	BIRC5	ENSG00000089685	16328441;
C093642	decrease	MAPK9	ENSG00000050748	16818652;18583539;
C093642	decrease	TP53	ENSG00000141510	15963507;16024610;19020741;18583539;
C093642	increase	ALB	ENSG00000163631	16908450;
C093642	increase	APP	ENSG00000142192	18583042;
C093642	increase	BACE1	ENSG00000186318	18583042;
C093642	increase	CAV1	ENSG00000105974	17108117;
C093642	increase	CCL2	ENSG00000108691	17655880;16143069;12016129;18645721;
C093642	increase	CCL5	ENSG00000161570	16908450;
C093642	increase	CD14	ENSG00000170458	18180316;
C093642	increase	CD83	ENSG00000112149	15894585;17698565;
C093642	increase	CD86	ENSG00000114013	15894585;17698565;
C093642	increase	CDK1	ENSG00000170312	18583539;
C093642	increase	CDK2	ENSG00000123374	18583539;
C093642	increase	CDKN1A	ENSG00000124762	15249425;14647439;18583539;
C093642	increase	CRP	ENSG00000132693	17388968;
C093642	increase	CSF2	ENSG00000164400	16908450;
C093642	increase	DDIT3	ENSG00000175197	17049495;17341418;
C093642	increase	DUSP6	ENSG00000139318	18314537;

C093642	increase	EDN1	ENSG00000078401	18457675;
C093642	increase	EGR1	ENSG00000120738	18757417;
C093642	increase	F3	ENSG00000117525	15371228;
C093642	increase	FOS	ENSG00000170345	18982426;15322261;12547826;
C093642	increase	GABPA	ENSG00000154727	16308312;
C093642	increase	HBEGF	ENSG00000113070	12676768;11159045;
C093642	increase	HIF1A	ENSG00000100644	15631803;17082639;12482858;14695184;
C093642	increase	HMOX1	ENSG00000100292	14647439;18357586;
C093642	increase	HSPA5	ENSG00000044574	17341418;
C093642	increase	IFNG	ENSG00000111537	10952721;
C093642	increase	IL12A	ENSG00000168811	15894585;10952721;
C093642	increase	IL12B	ENSG00000113302	15894585;10952721;
C093642	increase	IL17A	ENSG00000112115	12016129;
C093642	increase	IL1B	ENSG00000125538	16359550;18982426;11854442;15251176;17388968;10712238;
C093642	increase	IL6	ENSG00000136244	18457675;12016129;17698565;15251176;17388968;17196171;
C093642	increase	IL8	ENSG00000169429	15831558;16373669;15622447;19074641;11504702;11306435;18457675;10540334;12016129;11527995;12734376;15251176;16091123;16908450;17082639;163643
C093642	increase	MAPK14	ENSG00000112062	15963507;15631803;15964311;16864444;15585369;15242773;15249425;15254963;15817653;
C093642	increase	MYC	ENSG00000136997	18583539;
C093642	increase	PLD2	ENSG00000129219	15210717;
C093642	increase	PPARD	ENSG00000112033	17341418;
C093642	increase	PTGS2	ENSG00000073756	16928824;18457675;11854442;15210717;18596194;
C093642	increase	SP1	ENSG00000185591	17108117;
C093642	increase	SULT1A1	ENSG00000196502	16308312;
C093642	increase	THBS1	ENSG00000137801	18757417;
C093642	increase	TNF	ENSG00000223952	18314537;15603917;12016129;17698565;15251176;11675405;15322261;16091123;10712238;
C093642	increase	VCAM1	ENSG00000162692	18457675;
C093642	increase	VEGFA	ENSG00000112715	18252963;18596194;12482858;
C093875	decrease	IL5	ENSG00000113525	15061398;14619337;
C093875	decrease	IL8	ENSG00000169429	15061398;
C093973	affect	ALDH1A3	ENSG00000184254	17526768;
C093973	affect	BIRC3	ENSG00000023445	16154993;
C093973	affect	C5	ENSG00000106804	16116186;
C093973	affect	CD40	ENSG00000101017	15894585;
C093973	affect	CD80	ENSG00000121594	15894585;
C093973	affect	CD83	ENSG00000112149	15894585;
C093973	affect	CD86	ENSG00000114013	15894585;
C093973	affect	DDIT3	ENSG00000175197	17049495;
C093973	affect	ERBB2	ENSG00000141736	16488535;

C093973	affect	FAS	ENSG00000026103	16162944;
C093973	affect	FGF2	ENSG00000138685	15631803;
C093973	affect	FN1	ENSG00000115414	11343241;
C093973	affect	HSPA6	ENSG00000173110	15978632;
C093973	affect	ICAM1	ENSG00000090339	15894585;
C093973	affect	IL12A	ENSG00000168811	16116186;15894585;
C093973	affect	IL12B	ENSG00000113302	16116186;15894585;
C093973	affect	LTC4S	ENSG00000213316	12574384;
C093973	affect	MCM6	ENSG00000076003	14516785;
C093973	affect	MCM7	ENSG00000166508	14516785;
C093973	affect	SCD	ENSG00000099194	16162944;
C093973	affect	SREBF1	ENSG00000072310	16162944;
C093973	decrease	ABCG2	ENSG00000118777	15917307;
C093973	decrease	ABL1	ENSG00000097007	17030193;
C093973	decrease	BIRC5	ENSG00000089685	16328441;18377872;
C093973	decrease	CDK1	ENSG00000170312	18583539;
C093973	decrease	CDK2	ENSG00000123374	18583539;
C093973	decrease	CFTR	ENSG00000001626	15304546;15563584;
				15231676;16149052;11343
				241;17030193;15531749;12
				660819;16966607;1611618
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				6214;17526808;12207323;1
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				89;15631803;16407847;162
				51475;19686714;10640773;
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				377872;16361081;1532226
				1;18628248;16091123;1717
				4366;16648635;16328441;1
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				44;15129224;16814113;175
				54206;12482858;15563584;
				15486966;17492661;11322
				15231676;16149052;11343
				241;17030193;15531749;12
				660819;16966607;1611618
				6;15608143;19059400;1546
				6214;17526808;12207323;1
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				01288;16251475;19686714;
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				671028;18377872;1636108
				1;15322261;14645110;1862
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				23;15795063;16864444;151
				29224;16814113;17554206;
				12482858;15563584;15486
				966;17492661;11322385;18
C093973	decrease	MYC	ENSG00000136997	18583539;
C093973	decrease	NFE2L2	ENSG00000116044	12446695;
C093973	decrease	PPARG	ENSG00000132170	17030193;
C093973	decrease	TIMP1	ENSG00000102265	10866818;
C093973	decrease	ZFP42	ENSG00000179059	18583539;
C093973	increase	ABCC2	ENSG00000023839	15896333;

C093973	increase	APP	ENSG00000142192	18001288;18583042;
C093973	increase	AQP3	ENSG00000165272	18214481;
C093973	increase	AR	ENSG00000169083	16472761;19059400;12114440;
C093973	increase	ATF3	ENSG00000162772	16079301;
C093973	increase	BACE1	ENSG00000186318	18583042;
C093973	increase	BAX	ENSG00000087088	15970427;
C093973	increase	BGLAP	ENSG00000242252	17689939;
C093973	increase	CCL2	ENSG00000108691	12016129;
C093973	increase	CCNE1	ENSG00000105173	17273796;
C093973	increase	CD14	ENSG00000170458	14729647;18180316;
C093973	increase	CD38	ENSG00000004468	15494208;16329108;
C093973	increase	CDKN1A	ENSG00000124762	14647439;15978937;
C093973	increase	CEBPB	ENSG00000172216	14729647;
C093973	increase	COL1A1	ENSG00000108821	17030193;
C093973	increase	COL1A2	ENSG00000164692	11343241;
C093973	increase	CRP	ENSG00000132693	17388968;
C093973	increase	CYP11B2	ENSG00000179142	15666830;
C093973	increase	CYP17A1	ENSG00000148795	17138841;
C093973	increase	CYP1A1	ENSG00000140465	15313166;15698582;
C093973	increase	EDN1	ENSG00000078401	17974986;
C093973	increase	EGF	ENSG00000138798	16472761;15947004;15613483;18214481;15531749;15466214;17805209;
C093973	increase	EGR1	ENSG00000120738	15292961;16079301;
C093973	increase	FGF7	ENSG00000140285	16162944;15803460;14656992;
C093973	increase	FOS	ENSG00000170345	15466214;15090535;18982426;15322261;10712238;
C093973	increase	GCLC	ENSG00000001084	11909699;
C093973	increase	GREM1	ENSG00000166923	17975199;
C093973	increase	GSTP1	ENSG00000084207	19396019;
C093973	increase	HBEGF	ENSG00000113070	12676768;11159045;
C093973	increase	HIF1A	ENSG00000100644	15050414;15631803;17082639;12482858;14695184;15169887;16227395;
C093973	increase	HMOX1	ENSG00000100292	14647439;18357586;
C093973	increase	HSD3B2	ENSG00000203859	17138841;
C093973	increase	HSPA4	ENSG00000170606	11322385;
C093973	increase	IFNG	ENSG00000111537	18953428;
C093973	increase	IL17A	ENSG00000112115	12016129;
C093973	increase	IL1B	ENSG00000125538	16359550;18982426;11854442;17388968;10712238;
C093973	increase	IL6	ENSG00000136244	17196171;19074641;12016129;11410519;17388968;
C093973	increase	IL8	ENSG00000169429	17082639;16611624;19074641;15952644;12016129;11110672;15831558;11527995;17000667;16373669;1562
C093973	increase	ITGAM	ENSG00000169896	16617325;
C093973	increase	JUNB	ENSG00000171223	15666830;
C093973	increase	JUN	ENSG00000177606	14645110;15930183;18628248;
C093973	increase	KLK3	ENSG00000142515	16472761;17131305;11410519;
C093973	increase	LCP2	ENSG00000043462	16439309;

C093973	increase	MCL1	ENSG00000143384	15970427;
C093973	increase	MMP12	ENSG00000110347	16359550;
C093973	increase	MMP1	ENSG00000196611	11414687;
C093973	increase	MMP3	ENSG00000149968	16778083;
C093973	increase	MMP9	ENSG00000100985	18006877;16251475;15831558;19804834;18628248;15504454;
C093973	increase	NKX3-1	ENSG00000167034	17131305;
C093973	increase	NQO1	ENSG00000181019	17360324;15896333;
C093973	increase	PCNA	ENSG00000132646	17174366;
C093973	increase	PLA2G2A	ENSG00000188257	18953428;
C093973	increase	PLAC1	ENSG00000170965	15803460;
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C093973	increase	RB1	ENSG00000139687	14729647;15138593;17273796;14516785;
C093973	increase	RUNX2	ENSG00000250096	17689939;
C093973	increase	SP7	ENSG00000170374	17689939;
C093973	increase	SQSTM1	ENSG00000161011	17360324;
C093973	increase	STK39	ENSG00000198648	17131305;
C093973	increase	TNF	ENSG00000223952	11675405;17273796;15322261;
C093973	increase	TP53AIP1	ENSG00000120471	15031205;
C093973	increase	TP73	ENSG00000078900	15031205;
C093973	increase	UGT1A1	ENSG00000241635	15896333;15090468;
C093973	increase	VDR	ENSG00000111424	15930183;15879110;
C093973	increase	VEGFA	ENSG00000112715	15050414;12482858;18252963;18596194;15169887;15930297;
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C094299	increase	CCNE1	ENSG00000105173	15342418;
C094299	increase	CDC6	ENSG00000094804	15342418;
C094299	increase	CDK1	ENSG00000170312	15342418;
C094299	increase	CDK2	ENSG00000123374	15342418;
C094299	increase	CDKN1A	ENSG00000124762	15342418;
C094503	increase	CCL2	ENSG00000108691	15115777;
C094503	increase	CNR2	ENSG00000188822	15115777;10617657;
C094503	increase	IL8	ENSG00000169429	15115777;
C094645	decrease	PRL	ENSG00000172179	19519261;
C094859	increase	CYP11B1	ENSG00000160882	16396990;
C094859	increase	CYP11B2	ENSG00000179142	16396990;
C094868	increase	HTR2C	ENSG00000147246	18083778;
C095104	decrease	CCNA2	ENSG00000145386	15729575;
C095104	decrease	CCNB1	ENSG00000134057	15729575;
C095104	decrease	CCND1	ENSG00000110092	16273314;
C095104	decrease	CCND3	ENSG00000112576	15729575;
C095104	decrease	CCNE1	ENSG00000105173	15729575;
C095104	decrease	CDK2	ENSG00000123374	15729575;
C095104	decrease	NR5A2	ENSG00000116833	16357189;
C095104	decrease	RB1	ENSG00000139687	16273314;15729575;
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C095104	increase	CGB	ENSG00000213030	15941851;
C095104	increase	CYP19A1	ENSG00000137869	15941851;
C095104	increase	HSD17B1	ENSG00000108786	16513093;
C095104	increase	ID1	ENSG00000125968	17178900;

C095104	increase	IGFBP6	ENSG00000167779	17178900;
C095104	increase	RXRA	ENSG00000186350	12519787;15544927;15941851;
C095104	increase	SCD	ENSG00000099194	17178900;
C095105	decrease	ADRB2	ENSG00000169252	17178900;
C095105	decrease	AMOTL2	ENSG00000114019	17178900;
C095105	decrease	ASNS	ENSG00000070669	17178900;
C095105	decrease	BNIP2	ENSG00000140299	17178900;
C095105	decrease	CEBPG	ENSG00000153879	17178900;
C095105	decrease	COX2	ENSG00000198712	17178900;
C095105	decrease	CTH	ENSG00000116761	17178900;
C095105	decrease	CYCS	ENSG00000172115	17178900;
C095105	decrease	CYR61	ENSG00000142871	17178900;
C095105	decrease	DUSP1	ENSG00000120129	17178900;
C095105	decrease	DUSP5	ENSG00000138166	17178900;
C095105	decrease	EGR3	ENSG00000179388	17178900;
C095105	decrease	EIF1	ENSG00000173812	17178900;
C095105	decrease	EPHA2	ENSG00000142627	17178900;
C095105	decrease	GARS	ENSG00000106105	17178900;
C095105	decrease	HERPUD1	ENSG00000051108	17178900;
C095105	decrease	IER2	ENSG00000160888	17178900;
C095105	decrease	KLF10	ENSG00000155090	17178900;
C095105	decrease	KRT17	ENSG00000128422	17178900;
C095105	decrease	MAFF	ENSG00000185022	17178900;
C095105	decrease	MMP1	ENSG00000196611	17178900;
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C095105	decrease	PNO1	ENSG00000115946	17178900;
C095105	decrease	SFRS2	ENSG00000161547	17178900;
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C095105	decrease	SLC7A5	ENSG00000103257	17178900;
C095105	decrease	UAP1	ENSG00000117143	17178900;
C095105	decrease	XBP1	ENSG00000100219	17178900;
C095105	increase	ADD3	ENSG00000148700	17178900;
C095105	increase	AKR1C1	ENSG00000187134	17178900;
C095105	increase	AKR1C3	ENSG00000196139	17178900;
C095105	increase	ARL6IP5	ENSG00000144746	17178900;
C095105	increase	C10ORF10	ENSG00000165507	17178900;
C095105	increase	C10ORF116	ENSG00000148671	17178900;
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C095105	increase	CYP26A1	ENSG00000095596	17178900;
C095105	increase	DDIT4	ENSG00000168209	17178900;
C095105	increase	DHRS3	ENSG00000162496	17178900;
C095105	increase	DKK1	ENSG00000107984	17178900;
C095105	increase	GPM6B	ENSG00000046653	17178900;
C095105	increase	ID1	ENSG00000125968	17178900;
C095105	increase	IGFBP6	ENSG00000167779	17178900;
C095105	increase	IL15	ENSG00000164136	17178900;
C095105	increase	ITGB6	ENSG00000115221	17178900;
C095105	increase	ITM2A	ENSG00000078596	17178900;
C095105	increase	ITPR1	ENSG00000150995	17178900;

C095105	increase	KRT15	ENSG00000171346	17178900;
C095105	increase	LOXL2	ENSG00000134013	17178900;
C095105	increase	MAF	ENSG00000178573	17178900;
C095105	increase	MLLT11	ENSG00000213190	17178900;
C095105	increase	PLAT	ENSG00000104368	17178900;
C095105	increase	PLOD2	ENSG00000152952	17178900;
C095105	increase	PNRC1	ENSG00000146278	17178900;
C095105	increase	RARB	ENSG00000077092	17178900;
C095105	increase	S100A9	ENSG00000163220	17178900;
C095105	increase	SCD	ENSG00000099194	17178900;
C095105	increase	SMAD5	ENSG00000113658	17178900;
C095105	increase	SPARC	ENSG00000113140	17178900;
C095105	increase	TGM2	ENSG00000198959	17178900;
C095105	increase	TM4SF1	ENSG00000169908	17178900;
C095105	increase	TSC22D3	ENSG00000157514	17178900;
C095105	increase	VAMP8	ENSG00000118640	17178900;
C095108	increase	CCL2	ENSG00000108691	17668557;
C095108	increase	CCL3	ENSG00000006075	17668557;
C095284	affect	HIF1A	ENSG00000100644	15465035;
C095284	increase	BAX	ENSG00000087088	16288207;
C095284	increase	CDKN1A	ENSG00000124762	16288207;
C095284	increase	MDM2	ENSG00000135679	16288207;
C095284	increase	TP53	ENSG00000141510	16288207;
C095512	affect	HSPA6	ENSG00000173110	15978632;
C095512	decrease	CFTR	ENSG00000001626	19061877;
C095512	decrease	CREBBP	ENSG00000005339	15378487;
C095512	decrease	IL6	ENSG00000136244	15378487;
C095512	increase	BIRC3	ENSG00000023445	12393423;15845643;
C095512	increase	CCL2	ENSG00000108691	17666914;
C095512	increase	CCND3	ENSG00000112576	16920920;
C095512	increase	CSF3	ENSG00000108342	12393423;
C095512	increase	ICAM1	ENSG00000090339	17666914;
C095512	increase	IFNA1	ENSG00000197919	15845643;15937643;
C095512	increase	IFNB1	ENSG00000171855	15937643;
C095512	increase	IFNG	ENSG00000111537	15845643;15937643;
C095512	increase	IRF1	ENSG00000125347	11739238;
C095512	increase	TNF	ENSG00000223952	17666914;
C095512	increase	TYMP	ENSG00000025708	15937643;
C095591	decrease	BCL2	ENSG00000171791	16012733;
C095591	decrease	BCL2L1	ENSG00000171552	16012733;
C095591	decrease	PTGS2	ENSG00000073756	16012733;
C095591	increase	BAX	ENSG00000087088	16012733;
C096064	decrease	CCND1	ENSG00000110092	14758092;
C096064	decrease	CDK4	ENSG00000135446	14758092;
C096064	decrease	RB1	ENSG00000139687	14758092;
C096064	increase	CDKN1A	ENSG00000124762	14758092;
C096856	increase	ATP1A1	ENSG00000163399	12804770;
C096856	increase	CDKN1A	ENSG00000124762	12866041;
C096856	increase	FGF10	ENSG00000070193	12804770;
C096910	increase	SLC29A1	ENSG00000112759	16868479;
C096918	decrease	COX2	ENSG00000198712	16940060;
C096920	affect	PTGS2	ENSG00000073756	16894348;
C096920	increase	CYP26A1	ENSG00000095596	15589975;
C096920	increase	DDIT3	ENSG00000175197	16972258;

C096920	increase	HMOX1	ENSG00000100292	16972258;
C096920	increase	RARB	ENSG00000077092	15589975;16894348;
C096920	increase	RARRES1	ENSG00000118849	16575387;
C096920	increase	TGM2	ENSG00000198959	16158052;
C097240	decrease	BIRC2	ENSG00000110330	15498850;
C097240	decrease	BIRC3	ENSG00000023445	15498850;
C097240	decrease	CCNA2	ENSG00000145386	15729575;
C097240	decrease	CCNB1	ENSG00000134057	15729575;
C097240	decrease	CCND3	ENSG00000112576	15729575;
C097240	decrease	CCNE1	ENSG00000105173	15729575;
C097240	decrease	CDK2	ENSG00000123374	15729575;
C097240	decrease	CDKN1B	ENSG00000111276	15729575;
C097240	decrease	CFLAR	ENSG00000003402	15498850;
C097240	decrease	CYP4A11	ENSG00000187048	16712844;
C097240	decrease	FAS	ENSG00000026103	16712844;
C097240	decrease	HSPB1	ENSG00000106211	16299251;
C097240	decrease	RB1	ENSG00000139687	15729575;
C097240	decrease	VIM	ENSG00000026025	15254749;
C097240	decrease	XIAP	ENSG00000101966	15498850;16299251;
C097240	increase	CDKN1A	ENSG00000124762	15729575;15254749;
C097240	increase	CGB	ENSG000000213030	15941851;
C097240	increase	DDX58	ENSG00000107201	16303604;
C097240	increase	FABP4	ENSG00000170323	16573735;
C097240	increase	GFAP	ENSG00000131095	15254749;
C097240	increase	HIF1A	ENSG00000100644	17658243;
C097240	increase	HMOX1	ENSG00000100292	15618017;
C097240	increase	HSF1	ENSG00000185122	15618017;
C097240	increase	PPARD	ENSG00000112033	17341418;
C097240	increase	PPARG	ENSG00000132170	15254749;9013583;120656 95;18485432;14979731;158 66424;15729575;15491415; 17341418;15707588;
C097240	increase	PTGS2	ENSG00000073756	15254749;
C097240	increase	RARB	ENSG00000077092	15254749;
C097240	increase	RXRA	ENSG00000186350	15254749;
C097284	increase	NDUFB6	ENSG00000165264	19523936;
C097284	increase	NDUFS7	ENSG00000115286	19523936;
C097599	increase	CD38	ENSG00000004468	16329108;
C097613	decrease	BCL2L1	ENSG00000171552	16960866;
C097613	decrease	BIRC5	ENSG00000089685	16166298;16254145;
C097613	decrease	CCND3	ENSG00000112576	15100154;
C097613	decrease	FGFR3	ENSG00000068078	14562121;
C097613	decrease	PDGFB	ENSG00000100311	15786421;
C097613	decrease	PDGFRA	ENSG00000134853	17614352;15786421;
C097613	decrease	PDGFRB	ENSG00000113721	15786421;
C097613	decrease	RB1	ENSG00000139687	15100154;
C097613	decrease	WT1	ENSG00000184937	15329907;
C097613	increase	ABCB1	ENSG00000085563	15970668;
C097613	increase	ABCG2	ENSG00000118777	15970668;
C097613	increase	COL1A1	ENSG00000108821	17030193;
C097613	increase	HMOX1	ENSG00000100292	17420286;
C097613	increase	KIT	ENSG00000157404	17420286;
C097949	decrease	NPPA	ENSG00000175206	15837528;
C097949	decrease	RXRA	ENSG00000186350	15837528;15331595;

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C097949	increase	CYP24A1	ENSG00000019186	15331595;
C097949	increase	TRPV6	ENSG00000165125	16362534;
C097949	increase	TXNIP	ENSG00000117289	16061374;
C097949	increase	VDR	ENSG00000111424	15837528;16059639;15331595;
C098320	increase	CYP3A4	ENSG00000160868	15980690;16837568;
C098384	increase	TNF	ENSG00000223952	12721113;
C098751	increase	ABCB1	ENSG00000085563	16047355;16051478;
C098869	increase	GSTP1	ENSG00000084207	15863507;
C098869	increase	RBL2	ENSG00000103479	16936753;
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C099150	decrease	CCNB1	ENSG00000134057	15961672;
C099150	decrease	CCNB2	ENSG00000157456	15961672;
C099150	increase	E2F1	ENSG00000101412	15961672;
C099158	increase	SNCA	ENSG00000145335	15114628;
C099410	decrease	TNFSF11	ENSG00000120659	14753746;
C099555	affect	ARL6IP5	ENSG00000144746	16720286;
C099555	affect	TP53	ENSG00000141510	16720286;
C099555	decrease	AK2	ENSG00000004455	12958071;
C099555	decrease	AKR1B1	ENSG00000085662	12958071;
C099555	decrease	ALDOA	ENSG00000149925	12958071;
C099555	decrease	AMH	ENSG00000104899	12958071;
C099555	decrease	AP2M1	ENSG00000161203	12958071;
C099555	decrease	AP2S1	ENSG00000042753	12958071;
C099555	decrease	APC2	ENSG00000115266	12958071;
C099555	decrease	API5	ENSG00000166181	12958071;
C099555	decrease	ARF1	ENSG00000143761	12958071;
C099555	decrease	ARHGDIB	ENSG00000111348	12958071;
C099555	decrease	ARL2	ENSG00000213465	12958071;
C099555	decrease	ARPC2	ENSG00000163466	12958071;
C099555	decrease	ARPC3	ENSG00000111229	12958071;
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C099555	decrease	ATP5G3	ENSG00000154518	12958071;
C099555	decrease	ATP5J	ENSG00000154723	12958071;
C099555	decrease	ATP5L	ENSG00000167283	12958071;
C099555	decrease	ATP5O	ENSG00000241837	12958071;
C099555	decrease	ATP6V0C	ENSG00000185883	12958071;
C099555	decrease	BANF1	ENSG00000175334	12958071;
C099555	decrease	C11ORF10	ENSG00000134825	12958071;
C099555	decrease	C14ORF156	ENSG00000119705	12958071;
C099555	decrease	CCL5	ENSG00000161570	12958071;
C099555	decrease	CCT2	ENSG00000166226	12958071;
C099555	decrease	CCT3	ENSG00000163468	12958071;
C099555	decrease	CCT6A	ENSG00000146731	12958071;
C099555	decrease	CDK4	ENSG00000135446	12958071;
C099555	decrease	CEBPB	ENSG00000172216	12958071;
C099555	decrease	CLIC1	ENSG00000226417	12958071;
C099555	decrease	COX6C	ENSG00000164919	12958071;
C099555	decrease	COX7A2	ENSG00000112695	12958071;
C099555	decrease	COX7A2L	ENSG00000115944	12958071;

C099555	decrease	COX7B	ENSG00000131174	12958071;
C099555	decrease	COX7C	ENSG00000127184	12958071;
C099555	decrease	CST7	ENSG00000077984	12958071;
C099555	decrease	DNAJA1	ENSG00000086061	12958071;
C099555	decrease	EEF2	ENSG00000167658	12958071;
C099555	decrease	EIF3D	ENSG00000100353	12958071;
C099555	decrease	EIF4A1	ENSG00000161960	12958071;
C099555	decrease	EIF4A2	ENSG00000156976	12958071;
C099555	decrease	EIF4B	ENSG00000063046	12958071;
C099555	decrease	EIF5A	ENSG00000132507	12958071;
C099555	decrease	ENO1	ENSG00000074800	12958071;
C099555	decrease	ERH	ENSG00000100632	12958071;
C099555	decrease	FKBP5	ENSG00000096060	12958071;
C099555	decrease	FLT3LG	ENSG00000090554	12958071;
C099555	decrease	FSCN1	ENSG00000075618	12958071;
C099555	decrease	FTH1	ENSG00000167996	12958071;
C099555	decrease	GHSR	ENSG00000121853	12958071;
C099555	decrease	GPR6	ENSG00000146360	12958071;
C099555	decrease	HADHA	ENSG00000084754	12958071;
C099555	decrease	HIC1	ENSG00000177374	12958071;
C099555	decrease	HLA-C	ENSG00000204525	12958071;
C099555	decrease	HMGB1	ENSG00000189403	12958071;
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C100692	decrease	TYMS	ENSG00000176890	17172411;
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C101670	increase	FOS	ENSG00000170345	10712238;
C101670	increase	IL1B	ENSG00000125538	10712238;
C101670	increase	TGFB1	ENSG00000105329	15703175;
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C102210	increase	CDKN1A	ENSG00000124762	12556972;
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C103303	increase	NR1I2	ENSG00000144852	16632523;
C103303	increase	NR5A2	ENSG00000116833	16357189;
C103303	increase	NRL	ENSG00000129535	16854989;
C103303	increase	OLR1	ENSG00000173391	17034753;
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C103303	increase	PIR	ENSG00000087842	15982314;
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C103303	increase	PSG5	ENSG00000204941	17475324;
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C103303	increase	SERPINA3	ENSG00000196136	15982314;
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C103436	decrease	CDK2	ENSG00000123374	12907249;
C103436	decrease	CDKN1A	ENSG00000124762	12907249;
C103436	increase	CDKN1B	ENSG00000111276	12907249;
C103439	increase	CBR1	ENSG00000159228	18755171;
C103481	affect	ITGB3	ENSG00000056345	14769215;
C103481	decrease	ACHE	ENSG00000087085	14769215;
C103481	increase	GATA1	ENSG00000102145	14769215;
C103481	increase	GATA2	ENSG00000179348	14769215;
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C103481	increase	NFE2	ENSG00000123405	14769215;
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C103505	decrease	CCDC86	ENSG00000110104	16500647;
C103505	decrease	DHX9	ENSG00000135829	16500647;
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C103505	increase	CARS	ENSG00000110619	16500647;
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C103505	increase	WARS	ENSG00000140105	16500647;
C103505	increase	XBP1	ENSG00000100219	16500647;
C103505	increase	YARS	ENSG00000134684	16500647;
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C103712	increase	MAP1LC3A	ENSG00000101460	18818525;

C103873	increase	CXCL10	ENSG00000169245	15867097;
C103873	increase	IL12B	ENSG00000113302	15867097;
C104182	affect	CYP24A1	ENSG00000019186	16289102;
C104183	affect	PTGS2	ENSG00000073756	16894348;
C104183	increase	PIK3CB	ENSG00000051382	16043647;
C104416	decrease	CYP11A1	ENSG00000140459	16014403;
C104416	decrease	CYP17A1	ENSG00000148795	16014403;
C104416	decrease	STAR	ENSG00000147465	16014403;
C104416	decrease	SULT2A1	ENSG00000105398	16014403;
C104450	increase	CYP27B1	ENSG00000111012	16362534;
C104450	increase	TRPV6	ENSG00000165125	16362534;
C104536	decrease	BCL2	ENSG00000171791	15995977;
C104536	decrease	IL6	ENSG00000136244	16019205;
C104536	increase	ALPL	ENSG00000162551	16019205;
C104536	increase	TFF1	ENSG00000160182	16019205;
C104536	increase	VWF	ENSG00000110799	16019205;
C104586	decrease	BIRC5	ENSG00000089685	16230394;
C104586	decrease	CDKN1A	ENSG00000124762	16275999;15342418;
C104586	decrease	MCL1	ENSG00000143384	16275999;
C104586	decrease	XIAP	ENSG00000101966	16275999;16230394;16140939;
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C104586	increase	RB1	ENSG00000139687	15231455;15741232;14653808;
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C104586	increase	TP53	ENSG00000141510	16003486;16140939;
C104727	decrease	IFNG	ENSG00000111537	16006447;
C104727	decrease	IL4	ENSG00000113520	16006447;
C104727	decrease	RELA	ENSG00000173039	16352735;
C104820	increase	CYP2B6	ENSG00000197408	18206661;
C105195	decrease	PGR	ENSG00000082175	9144411;
C105351	increase	CCL3	ENSG00000006075	10540334;
C105351	increase	IL8	ENSG00000169429	10540334;
C105427	increase	CDKN1A	ENSG00000124762	11741290;
C105427	increase	TP53	ENSG00000141510	11741290;
C105671	decrease	BAX	ENSG00000087088	15996779;
C105671	increase	CAT	ENSG00000121691	15904944;
C105671	increase	SOD2	ENSG00000112096	15904944;
C105686	affect	FGFR3	ENSG00000068078	14871245;15029211;16091734;
C105686	decrease	MAPK1	ENSG00000100030	15631803;14871245;15029211;
C105686	decrease	MAPK3	ENSG00000102882	15631803;14871245;15029211;
C105686	decrease	STAT3	ENSG00000168610	14871245;
C105686	increase	FGF2	ENSG00000138685	16188231;16154193;15631803;
C105686	increase	FOS	ENSG00000170345	16188231;
C105686	increase	HIF1A	ENSG00000100644	15631803;
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C105686	increase	TNF	ENSG00000223952	16154193;
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C105934	increase	ABCC5	ENSG00000114770	18690847;
C105934	increase	CAV1	ENSG00000105974	18848576;
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C105934	increase	DES	ENSG00000175084	18089846;
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C106538	increase	CRP	ENSG00000132693	19891054;
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C107448	decrease	BCL2	ENSG00000171791	16007152;
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C107676	decrease	BCL2L1	ENSG00000171552	19365708;
C107676	decrease	CDK4	ENSG00000135446	19139008;19336726;
C107676	decrease	CDKN1A	ENSG00000124762	19139008;
C107676	decrease	EGFR	ENSG00000146648	19139008;
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C107676	decrease	EPAS1	ENSG00000116016	19336726;
C107676	decrease	IGF1R	ENSG00000140443	19139008;
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C107676	decrease	MAP2K1	ENSG00000169032	19139008;19336726;
C107676	decrease	MAP2K2	ENSG00000126934	19336726;
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C107676	decrease	NOS3	ENSG00000164867	19336726;
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C107676	decrease	PIK3CA	ENSG00000121879	19139008;
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C107676	increase	VEGFA	ENSG00000112715	17764071;18575727;
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C107773	affect	SP1	ENSG00000185591	18852136;
C107773	decrease	BCL2	ENSG00000171791	18852136;
C107773	increase	SOD2	ENSG00000112096	18852136;
C107820	increase	HTR2C	ENSG00000147246	18083778;
C107875	decrease	RBL1	ENSG00000080839	15572027;
C107875	increase	CDKN1B	ENSG00000111276	15572027;

C107875	increase	RBL2	ENSG00000103479	15572027;
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C108123	decrease	MAPK3	ENSG00000102882	15961274;17492661;
C108123	decrease	RAF1	ENSG00000132155	17492661;
C108123	increase	CDKN1A	ENSG00000124762	15961274;
C108181	increase	IFNG	ENSG00000111537	17827067;
C108181	increase	IL2	ENSG00000109471	17827067;
C108373	decrease	DHCR24	ENSG00000116133	17636412;
C108373	decrease	KLK2	ENSG00000167751	17636412;
C108373	decrease	KLK3	ENSG00000142515	17636412;
C108373	decrease	SRD5A1	ENSG00000145545	16806904;
C108373	decrease	SRD5A2	ENSG00000049319	16806904;
C108373	increase	AKR1C1	ENSG00000187134	16806904;
C108373	increase	AKR1C2	ENSG00000151632	16806904;
C108373	increase	AKR1C3	ENSG00000196139	16806904;
C108373	increase	AR	ENSG00000169083	17636412;
C108373	increase	CCND1	ENSG00000110092	17636412;
C108373	increase	CYP11B2	ENSG00000179142	17636412;
C108373	increase	ERBB2	ENSG00000141736	17636412;
C108373	increase	HSD17B1	ENSG00000108786	17636412;
C108373	increase	HSD17B3	ENSG00000130948	17636412;
C108373	increase	SOS1	ENSG00000115904	17636412;
C108373	increase	VCAM1	ENSG00000162692	17636412;
C108475	increase	PON1	ENSG00000005421	15690306;
C108606	decrease	ABCA1	ENSG00000165029	16177187;
C108606	decrease	NPC1L1	ENSG00000015520	15679830;16177187;
C108606	decrease	NR1H2	ENSG00000131408	16177187;
C108606	decrease	RARG	ENSG00000172819	16177187;
C108606	decrease	SCARB1	ENSG00000073060	16177187;
C108606	decrease	SREBF1	ENSG00000072310	16177187;
C108606	decrease	SREBF2	ENSG00000198911	16177187;
C108732	increase	VDR	ENSG00000111424	15930183;
C109238	decrease	ACTA2	ENSG00000107796	17510436;
C109238	decrease	CCL1	ENSG00000108702	17510436;
C109238	decrease	CTGF	ENSG00000118523	17510436;
C109238	decrease	DCN	ENSG00000011465	17510436;
C109238	decrease	EDN3	ENSG00000124205	17510436;
C109238	decrease	EGF	ENSG00000138798	17510436;
C109238	decrease	FKBP5	ENSG00000096060	17510436;
C109238	decrease	GSTM1	ENSG00000134184	17510436;
C109238	decrease	IFNG	ENSG00000111537	16352669;
C109238	decrease	IGFBP5	ENSG00000115461	17510436;
C109238	decrease	KLK3	ENSG00000142515	17510436;
C109238	decrease	LMAN1L	ENSG00000140506	17510436;
C109238	decrease	MAF	ENSG00000178573	17510436;
C109238	decrease	MME	ENSG00000196549	17510436;
C109238	decrease	MT2A	ENSG00000125148	17510436;
C109238	decrease	MYBPC1	ENSG00000196091	17510436;
C109238	decrease	MYLK	ENSG00000251351	17510436;
C109238	decrease	NBL1	ENSG00000158747	17510436;
C109238	decrease	NCOA4	ENSG00000138293	17510436;
C109238	decrease	NDRG1	ENSG00000104419	17510436;
C109238	decrease	ORM2	ENSG00000228278	17510436;

C109238	decrease	PPAP2A	ENSG00000067113	17510436;
C109238	decrease	PSCA	ENSG00000167653	17510436;
C109238	decrease	SPON2	ENSG00000159674	17510436;
C109238	decrease	TBC1D25	ENSG00000068354	17510436;
C109238	decrease	TMPRSS2	ENSG00000184012	17510436;
C109238	increase	C6ORF136	ENSG00000224120	17510436;
C109238	increase	COG4	ENSG00000103051	17510436;
C109238	increase	CRISPLD1	ENSG00000121005	17510436;
C109238	increase	DMXL1	ENSG00000172869	17510436;
C109238	increase	ETS1	ENSG00000134954	17510436;
C109238	increase	FAM60A	ENSG00000139146	17510436;
C109238	increase	FOLH1	ENSG00000086205	17510436;
C109238	increase	HNRNPF	ENSG00000169813	17510436;
C109238	increase	HNRNPR	ENSG00000125944	17510436;
C109238	increase	HSP90AA1	ENSG00000080824	17510436;
C109238	increase	HSPD1	ENSG00000144381	17510436;
C109238	increase	MATR3	ENSG00000015479	17510436;
C109238	increase	PLA2G7	ENSG00000146070	17510436;
C109238	increase	PYGL	ENSG00000100504	17510436;
C109238	increase	RPS15A	ENSG00000134419	17510436;
C109238	increase	SCCPDH	ENSG00000143653	17510436;
C109238	increase	SFN	ENSG00000175793	17510436;
C109238	increase	SON	ENSG00000159140	17510436;
C109238	increase	TBCE	ENSG00000116957	17510436;
C109238	increase	TFF1	ENSG00000160182	17510436;
C109238	increase	TSPAN8	ENSG00000127324	17510436;
C109238	increase	ZFAND5	ENSG00000107372	17510436;
C109238	increase	ZNF292	ENSG00000188994	17510436;
C109628	increase	TGM2	ENSG00000198959	9516142;
C109695	increase	KLK3	ENSG00000142515	11580929;
C109695	increase	PGR	ENSG00000082175	11368622;
C109695	increase	TFF1	ENSG00000160182	11580929;11368622;
C109799	increase	CCL2	ENSG00000108691	12676771;
C109799	increase	CSF1	ENSG00000184371	12676771;
C109799	increase	CSF2	ENSG00000164400	12676771;
C109799	increase	CSF3	ENSG00000108342	12676771;
C109799	increase	IL1B	ENSG00000125538	12676771;
C109799	increase	IL8	ENSG00000169429	12676771;
C109799	increase	TNF	ENSG00000223952	12676771;
C109860	decrease	P2RY2	ENSG00000175591	10496880;
C109860	decrease	P2RY4	ENSG00000186912	10496880;
C109986	affect	BIRC3	ENSG00000023445	16154993;
C109986	affect	TNF	ENSG00000223952	16154993;
C110417	affect	TP53	ENSG00000141510	15781256;
C110417	increase	CDKN1A	ENSG00000124762	15781256;
C110630	increase	CCL2	ENSG00000108691	10218491;
C110630	increase	CNR2	ENSG00000188822	10688601;10617657;10218491;17558435;15115777;
C110630	increase	IL8	ENSG00000169429	10218491;15115777;
C110772	decrease	XIAP	ENSG00000101966	16054126;
C110772	increase	BAX	ENSG00000087088	16054126;
C110845	increase	ABCB1	ENSG00000085563	16047355;
C110881	decrease	BIRC5	ENSG00000089685	14988404;
C110881	decrease	CYP19A1	ENSG00000137869	10338361;

C110904	affect	TYMS	ENSG00000176890	16734730;16438929;
C110904	decrease	CDKN2A	ENSG00000147889	17904787;
C110904	decrease	PTGS2	ENSG00000073756	17904787;
C110904	increase	DPYD	ENSG00000188641	18846242;16734730;17611699;
C111237	affect	AGRN	ENSG00000188157	17330099;
C111237	affect	ANXA2	ENSG00000182718	17330099;
C111237	affect	ANXA4	ENSG00000196975	17330099;
C111237	affect	ANXA5	ENSG00000164111	17330099;
C111237	affect	ANXA6	ENSG00000197043	17330099;
C111237	affect	ASMTL	ENSG00000169093	17330099;
C111237	affect	ATP1B1	ENSG00000143153	17330099;
C111237	affect	CAPN2	ENSG00000162909	17330099;
C111237	affect	CASP7	ENSG00000165806	17330099;15897598;
C111237	affect	CD9	ENSG00000010278	17330099;
C111237	affect	CST3	ENSG00000101439	17330099;
C111237	affect	CTNNA1	ENSG00000044115	17330099;
C111237	affect	CTSH	ENSG00000103811	17330099;
C111237	affect	CTSZ	ENSG00000101160	17330099;
C111237	affect	EHD3	ENSG00000013016	17330099;
C111237	affect	ENO2	ENSG00000111674	17330099;
C111237	affect	FHL2	ENSG00000115641	17330099;
C111237	affect	FOXO1	ENSG00000150907	17330099;
C111237	affect	FXYD6	ENSG00000137726	17330099;
C111237	affect	GAS2L1	ENSG00000185340	17330099;
C111237	affect	GFI1	ENSG00000162676	17330099;
C111237	affect	H1F0	ENSG00000189060	17330099;
C111237	affect	HIST1H1C	ENSG00000187837	17330099;
C111237	affect	HSPB1	ENSG00000106211	17330099;
C111237	affect	ID2	ENSG00000115738	17330099;
C111237	affect	IFI30	ENSG00000216490	17330099;
C111237	affect	MX1	ENSG00000157601	17330099;
C111237	affect	PDE4B	ENSG00000184588	17330099;
C111237	affect	PSIP1	ENSG00000164985	17330099;
C111237	affect	PXDN	ENSG00000130508	17330099;
C111237	affect	RGS2	ENSG00000116741	17330099;
C111237	affect	S100A10	ENSG00000197747	17330099;
C111237	affect	SGK1	ENSG00000118515	17330099;
C111237	affect	SVIL	ENSG00000197321	17330099;
C111237	affect	SYNGR1	ENSG00000100321	17330099;
C111237	affect	TCEA2	ENSG00000171703	17330099;
C111237	affect	TUBB2A	ENSG00000137267	17330099;
C111237	decrease	AKT1	ENSG00000142208	15781658;16144943;
C111237	decrease	AR	ENSG00000169083	17218635;
C111237	decrease	BCL2A1	ENSG00000140379	15897598;
C111237	decrease	BCL2	ENSG00000171791	15897598;19631782;16144943;
C111237	decrease	BCL2L1	ENSG00000171552	12893773;15897598;16144943;
C111237	decrease	BID	ENSG00000015475	17410615;12893773;15897598;
C111237	decrease	BIRC5	ENSG00000089685	17410615;18156316;16144943;
C111237	decrease	CCNB1	ENSG00000134057	17417771;

C111237	decrease	CCND1	ENSG00000110092	17417771;12893773;17218635;17431121;
C111237	decrease	CFLAR	ENSG00000003402	12893773;15897598;
C111237	decrease	ERBB2	ENSG00000141736	17218635;16144943;
C111237	decrease	KLK2	ENSG00000167751	17218635;
C111237	decrease	KLK3	ENSG00000142515	17218635;
C111237	decrease	MAP2K1	ENSG00000169032	15781658;12893773;
C111237	decrease	MAPK1	ENSG00000100030	15781658;12893773;
C111237	decrease	MAPK3	ENSG00000102882	15781658;12893773;
C111237	decrease	MYC	ENSG00000136997	17417771;
C111237	decrease	NEDD4L	ENSG00000049759	17218635;
C111237	decrease	RAF1	ENSG00000132155	12893773;16144943;
C111237	decrease	TYMS	ENSG00000176890	17172411;
C111237	decrease	XIAP	ENSG00000101966	17410615;15964800;12893773;16144943;
C111237	increase	BAK1	ENSG00000030110	15781658;16144943;
C111237	increase	BAX	ENSG00000087088	15781658;15897598;
C111237	increase	BCL2L11	ENSG00000153094	16144943;
C111237	increase	BIRC2	ENSG00000110330	12893773;16377638;
C111237	increase	BIRC3	ENSG00000023445	12893773;16377638;15897598;
C111237	increase	CDH1	ENSG00000039068	17417771;
C111237	increase	CDKN1A	ENSG00000124762	17431121;12893773;17417771;17218635;14707268;15897598;16144943;
C111237	increase	CDKN1B	ENSG00000111276	17431121;16144943;
C111237	increase	CDKN1C	ENSG00000129757	17417771;
C111237	increase	CTNNB1	ENSG00000168036	17417771;
C111237	increase	CYP1B1	ENSG00000138061	15713371;
C111237	increase	RARA	ENSG00000131759	17417771;
C111237	increase	RARB	ENSG00000077092	16832676;
C111237	increase	RB1	ENSG00000139687	12893773;14707268;15897598;
C111237	increase	TNF	ENSG00000223952	16377638;
C111237	increase	TNFSF10	ENSG00000121858	17410615;
C111237	increase	TXNIP	ENSG00000117289	17218635;
C111238	decrease	BCL2A1	ENSG00000140379	15897598;
C111238	decrease	BCL2	ENSG00000171791	15897598;
C111238	decrease	BCL2L1	ENSG00000171552	15897598;
C111238	increase	BAX	ENSG00000087088	15897598;
C111238	increase	CDKN1A	ENSG00000124762	15897598;
C111238	increase	RB1	ENSG00000139687	15897598;
C111654	increase	IVL	ENSG00000163207	10469331;
C111654	increase	TGM1	ENSG00000092295	10469331;
C111914	increase	ITGA2B	ENSG00000005961	18404433;
C111914	increase	ITGB3	ENSG00000056345	18404433;
C111914	increase	SELP	ENSG00000174175	18404433;
C112035	decrease	ADIPOQ	ENSG00000181092	17668557;
C112035	decrease	LEP	ENSG00000174697	17668557;
C112035	increase	CCL2	ENSG00000108691	17668557;
C112035	increase	CCL3	ENSG00000006075	17668557;
C112035	increase	IL1B	ENSG00000125538	17668557;
C112035	increase	IL6	ENSG00000136244	17668557;
C112035	increase	TNF	ENSG00000223952	17668557;
C112106	decrease	TERT	ENSG00000164362	17273765;

C112765	decrease	AKT1	ENSG00000142208	17157164;
C112765	decrease	AR	ENSG00000169083	17010675;
C112765	decrease	CCND1	ENSG00000110092	17157164;
C112765	decrease	CDK4	ENSG00000135446	17157164;
C112765	decrease	CDK8	ENSG00000132964	17157164;
C112765	decrease	EGFR	ENSG00000146648	17010675;16061882;
C112765	decrease	ERBB2	ENSG00000141736	16061882;
C112765	decrease	FGFR3	ENSG00000068078	16061882;
C112765	decrease	FLT3	ENSG00000122025	17010675;
C112765	decrease	HSP90AA1	ENSG00000080824	18830594;
C112765	decrease	KIT	ENSG00000157404	16213582;16061882;
C112765	decrease	RAF1	ENSG00000132155	10564678;
C112765	decrease	TNFSF10	ENSG00000121858	15993848;
C112765	decrease	TP53	ENSG00000141510	10564678;
C112765	decrease	TYMS	ENSG00000176890	18830594;
C112765	decrease	XIAP	ENSG00000101966	15993848;
C112765	increase	HSPA4	ENSG00000170606	16311509;
C113580	affect	NEFM	ENSG00000104722	16149052;
C113580	decrease	ABCB1	ENSG00000085563	15526378;
C113580	decrease	ABCC1	ENSG00000103222	15526378;
C113580	decrease	BAD	ENSG00000002330	18508827;
C113580	decrease	CCND1	ENSG00000110092	15547725;14757120;15930308;
C113580	decrease	CCND3	ENSG00000112576	14757120;
C113580	decrease	CCNE1	ENSG00000105173	15930308;14757120;
C113580	decrease	CDH1	ENSG00000039068	17596522;
C113580	decrease	CDK2	ENSG00000123374	15930308;15547725;
C113580	decrease	CDK4	ENSG00000135446	15930308;
C113580	decrease	DAPK1	ENSG00000196730	19577553;
C113580	decrease	DKK1	ENSG00000107984	17320366;
C113580	decrease	HRH4	ENSG00000134489	15843518;
C113580	decrease	MVP	ENSG00000013364	15526378;
C113580	decrease	NFE2L2	ENSG00000116044	12446695;
C113580	increase	ACTA2	ENSG00000107796	17596522;
C113580	increase	APOA1	ENSG00000118137	19013290;
C113580	increase	AQP3	ENSG00000165272	18214481;16848764;
C113580	increase	ATP1A1	ENSG00000163399	12804770;
C113580	increase	BCL2	ENSG00000171791	18508827;
C113580	increase	BECN1	ENSG00000126581	19577553;
C113580	increase	BIRC3	ENSG00000023445	18508827;
C113580	increase	CCL11	ENSG00000172156	11980903;
C113580	increase	CCL2	ENSG00000108691	12016129;
C113580	increase	CDH2	ENSG00000170558	16149052;
C113580	increase	CDKN1A	ENSG00000124762	18508827;18006205;
C113580	increase	CDKN1B	ENSG00000111276	15930308;
C113580	increase	CDKN2C	ENSG00000123080	15930308;
C113580	increase	COL1A1	ENSG00000108821	15331595;
C113580	increase	CYP1A1	ENSG00000140465	15698582;
C113580	increase	CYP24A1	ENSG00000019186	15331595;
C113580	increase	DDIT3	ENSG00000175197	17341418;
C113580	increase	EGF	ENSG00000138798	15231676;18214481;16848764;16175315;15103026;
C113580	increase	EGR1	ENSG00000120738	18316600;17599376;
C113580	increase	EPHB6	ENSG00000106123	17320366;

C115174	decrease	CCNE1	ENSG00000105173	14977855;
C115174	decrease	KLK3	ENSG00000142515	14977855;
C115174	increase	CD36	ENSG00000135218	14977855;
C115174	increase	CDH1	ENSG00000039068	14977855;
C115174	increase	CDKN1A	ENSG00000124762	14977855;
C115354	increase	BCL2A1	ENSG00000140379	15090542;
C115354	increase	BCL2	ENSG00000171791	15090542;
C115354	increase	BIRC2	ENSG00000110330	15090542;
C115354	increase	BIRC3	ENSG00000023445	15090542;
C115354	increase	BIRC5	ENSG00000089685	15090542;
C115354	increase	CCND1	ENSG00000110092	15090542;
C115354	increase	CFLAR	ENSG00000003402	15090542;
C115354	increase	MMP9	ENSG00000100985	15090542;
C115354	increase	PTGS2	ENSG00000073756	15090542;
C115354	increase	TNF	ENSG00000223952	15090542;
C115354	increase	TRAF1	ENSG00000056558	15090542;
C115354	increase	XIAP	ENSG00000101966	15090542;
C115461	affect	PTGS2	ENSG00000073756	16894348;
C115461	decrease	BIRC5	ENSG00000089685	17270149;16391822;
C115461	decrease	CCND1	ENSG00000110092	17270149;
C115461	decrease	CYP19A1	ENSG00000137869	15964185;
C115461	decrease	INSIG1	ENSG00000186480	14633654;
C115461	decrease	MAD2L1	ENSG00000164109	14633654;
C115461	decrease	MSX1	ENSG00000163132	14633654;
C115461	decrease	NRG1	ENSG00000157168	14633654;
C115461	decrease	XIAP	ENSG00000101966	16391822;
C115461	increase	ATF3	ENSG00000162772	14633654;15897233;
C115461	increase	CEBPB	ENSG00000172216	14633654;
C115461	increase	GDF15	ENSG00000130513	14633654;15509713;
C115461	increase	TMSB4X	ENSG00000205542	15292456;
C115703	decrease	CD74	ENSG00000019582	11046123;
C115703	decrease	ICAM1	ENSG00000090339	11046123;
C115703	decrease	SELE	ENSG00000007908	11046123;
C115703	decrease	VCAM1	ENSG00000162692	11046123;
C115711	decrease	CCND1	ENSG00000110092	15377668;
C116174	increase	HSF1	ENSG00000185122	11424089;
C116890	decrease	HIF1A	ENSG00000100644	15474452;
C116890	decrease	VEGFA	ENSG00000112715	15474452;
C116926	affect	ADAMTS8	ENSG00000134917	17070997;
C116926	affect	ALOX15B	ENSG00000179593	17070997;
C116926	affect	ANXA1	ENSG00000135046	17070997;
C116926	affect	CDH2	ENSG00000170558	17070997;
C116926	affect	CDSN	ENSG00000204539	17070997;
C116926	affect	CEACAM1	ENSG00000079385	17070997;
C116926	affect	CX3CL1	ENSG00000006210	17070997;
C116926	affect	CXCL1	ENSG00000163739	17070997;
C116926	affect	DSC1	ENSG00000134765	17070997;
C116926	affect	FAF1	ENSG00000185104	17070997;
C116926	affect	FRZB	ENSG00000162998	17070997;
C116926	affect	GPR110	ENSG00000153292	17070997;
C116926	affect	GPR126	ENSG00000112414	17070997;
C116926	affect	IL1A	ENSG00000115008	17070997;
C116926	affect	ITGBL1	ENSG00000198542	17070997;
C116926	affect	KLF12	ENSG00000118922	17070997;

C116926	affect	MEF2C	ENSG00000081189	17070997;
C116926	affect	MLLT4	ENSG00000249273	17070997;
C116926	affect	NOS1	ENSG00000089250	17070997;
C116926	affect	NQO1	ENSG00000181019	17070997;
C116926	affect	PLA2G2A	ENSG00000188257	17070997;
C116926	affect	POSTN	ENSG00000133110	17070997;
C116926	affect	PRRX1	ENSG00000116132	17070997;
C116926	affect	RASA1	ENSG00000145715	17070997;
C116926	affect	TFRC	ENSG00000072274	17070997;
C116926	affect	TRIM17	ENSG00000162931	17070997;
C116926	decrease	ANGPT1	ENSG00000154188	17070997;
C116926	decrease	ANGPTL1	ENSG00000116194	17070997;
C116926	decrease	ANXA9	ENSG00000143412	17070997;
C116926	decrease	AOX1	ENSG00000138356	17070997;
C116926	decrease	ARHGAP29	ENSG00000137962	17070997;
C116926	decrease	CACNA2D3	ENSG00000157445	17070997;
C116926	decrease	COL14A1	ENSG00000187955	17070997;
C116926	decrease	COLEC12	ENSG00000158270	17070997;
C116926	decrease	EPHA3	ENSG00000044524	17070997;
C116926	decrease	EPHB6	ENSG00000106123	17070997;
C116926	decrease	ETV5	ENSG00000244405	17070997;
C116926	decrease	FABP4	ENSG00000170323	17070997;
C116926	decrease	FAIM2	ENSG00000135472	17070997;
C116926	decrease	GATA3	ENSG00000107485	17070997;
C116926	decrease	HGF	ENSG00000019991	17070997;
C116926	decrease	HPGD	ENSG00000164120	17070997;
C116926	decrease	INSM1	ENSG00000173404	17070997;
C116926	decrease	LIFR	ENSG00000113594	17070997;
C116926	decrease	MAPRE2	ENSG00000166974	17070997;
C116926	decrease	MBTD1	ENSG00000011258	17070997;
C116926	decrease	MEOX2	ENSG00000106511	17070997;
C116926	decrease	MTA2	ENSG00000149480	17070997;
C116926	decrease	NAALADL2	ENSG00000177694	17070997;
C116926	decrease	NFASC	ENSG00000163531	17070997;
C116926	decrease	NPR2	ENSG00000159899	17070997;
C116926	decrease	PI4KA	ENSG00000249793	17070997;
C116926	decrease	PTGER3	ENSG00000050628	17070997;
C116926	decrease	PTGIS	ENSG00000124212	17175104;
C116926	decrease	PTGS1	ENSG00000095303	16141368;17175104;
C116926	decrease	RORC	ENSG00000143365	17070997;
C116926	decrease	SH2D1A	ENSG00000183918	17070997;
C116926	decrease	TIMP3	ENSG00000100234	16580899;
C116926	decrease	TSPAN2	ENSG00000134198	17070997;
C116926	decrease	VCAN	ENSG00000038427	17070997;
C116926	decrease	ZNF559	ENSG00000188321	17070997;
C116926	increase	ANXA3	ENSG00000138772	17070997;
C116926	increase	C3	ENSG00000125730	17070997;
C116926	increase	CCL2	ENSG00000108691	17070997;
C116926	increase	CDH3	ENSG00000062038	17070997;
C116926	increase	CLU	ENSG00000120885	17070997;
C116926	increase	CRISP3	ENSG00000096006	17070997;
C116926	increase	FLNB	ENSG00000136068	17070997;
C116926	increase	IL1RN	ENSG00000136689	17070997;
C116926	increase	IL6	ENSG00000136244	17070997;

C116926	increase	IL8	ENSG00000169429	16580899;
C116926	increase	LMX1A	ENSG00000162761	17070997;
C116926	increase	MAL	ENSG00000172005	17070997;
C116926	increase	MMP1	ENSG00000196611	16580899;
C116926	increase	MMP3	ENSG00000149968	16580899;
C116926	increase	NPAS3	ENSG00000151322	17070997;
C116926	increase	PLAT	ENSG00000104368	16580899;
C116926	increase	PML	ENSG00000140464	17070997;
C116926	increase	PTGS2	ENSG00000073756	16678543;15705740;17164136;17070997;
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C116926	increase	SOCS3	ENSG00000184557	17070997;
C116926	increase	SOD2	ENSG00000112096	17070997;
C116926	increase	STAT3	ENSG00000168610	17070997;
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C116926	increase	TEAD4	ENSG00000197905	17070997;
C116926	increase	TMPRSS4	ENSG00000137648	17070997;
C116926	increase	TNC	ENSG00000041982	17070997;
C117155	decrease	BCL2	ENSG00000171791	16039551;
C117155	increase	BAX	ENSG00000087088	16039551;
C117155	increase	TNF	ENSG00000223952	16134060;
C117342	increase	SFTPA1	ENSG00000122852	14617519;
C117342	increase	SFTPA2	ENSG00000185303	14617519;
C117342	increase	TNF	ENSG00000223952	14617519;
C117446	decrease	F3	ENSG00000117525	20200314;
C117446	increase	ITGA2B	ENSG00000005961	18404433;
C117446	increase	ITGB3	ENSG00000056345	18404433;
C117446	increase	SELP	ENSG00000174175	18404433;
C118050	increase	CYP3A4	ENSG00000160868	16565514;
C118180	decrease	CCNB1	ENSG00000134057	11774253;
C118180	increase	CCNA2	ENSG00000145386	11774253;
C118180	increase	TP53	ENSG00000141510	11774253;
C118258	decrease	BAD	ENSG00000002330	18508827;12970779;
C118258	decrease	BCL2A1	ENSG00000140379	12466137;
C118258	decrease	BIRC2	ENSG00000110330	12970779;
C118258	decrease	CFLAR	ENSG00000003402	12970779;
C118258	increase	BAX	ENSG00000087088	12466137;
C118258	increase	BCL2	ENSG00000171791	18508827;12466137;
C118258	increase	BIRC3	ENSG00000023445	18508827;12466137;12970779;
C118258	increase	CDKN1A	ENSG00000124762	18508827;
C118258	increase	FN1	ENSG00000115414	12388107;
C118258	increase	GSTA1	ENSG00000243955	15090468;
C118258	increase	HMOX1	ENSG00000100292	18508827;
C118258	increase	IL6	ENSG00000136244	19074641;
C118258	increase	IL8	ENSG00000169429	19074641;
C118258	increase	TNF	ENSG00000223952	11753679;
C118258	increase	TNFRSF21	ENSG00000146072	11753679;
C118559	decrease	BCL2L1	ENSG00000171552	16815550;
C118559	increase	BDNF	ENSG00000176697	19189864;
C118580	increase	TFF1	ENSG00000160182	16183391;
C118739	affect	MAGEA9	ENSG00000166008	17290406;

C118739	decrease	CCNA2	ENSG00000145386	15059916;
C118739	decrease	CCND1	ENSG00000110092	15059916;
C118739	decrease	CCNE1	ENSG00000105173	15059916;
C118739	decrease	CDKN1B	ENSG00000111276	15059916;
C118739	increase	CDKN1A	ENSG00000124762	18223691;
C118739	increase	MCL1	ENSG00000143384	15059916;
C118739	increase	XIAP	ENSG00000101966	15964800;15059916;
C118852	increase	NOS2	ENSG00000007171	19497413;
C119130	affect	BAX	ENSG00000087088	12203115;
C119130	decrease	BAD	ENSG00000002330	17409426;
C119130	decrease	BIRC3	ENSG00000023445	12837940;
C119130	decrease	CDKN1B	ENSG00000111276	16322342;
C119130	decrease	PTGS2	ENSG00000073756	17409426;16322342;
C119130	decrease	YWHAE	ENSG00000108953	17409426;
C119130	increase	TNFRSF10B	ENSG00000120889	12203115;
C119141	increase	TNFRSF11B	ENSG00000164761	17420779;
C119222	increase	ESRRA	ENSG00000173153	16024613;
C119222	increase	IL13	ENSG00000169194	12789233;
C119222	increase	IL4	ENSG00000113520	12789233;
C119222	increase	IL5	ENSG00000113525	12789233;
C119222	increase	IL6	ENSG00000136244	12789233;
C119222	increase	IL8	ENSG00000169429	12789233;
C119222	increase	TFF1	ENSG00000160182	16024613;
C119536	decrease	UBE2A	ENSG00000077721	16870173;
C119536	increase	UBE2E1	ENSG00000170142	16870173;
C119543	increase	BACE1	ENSG00000186318	14586007;
C119543	increase	IFNG	ENSG00000111537	14586007;
C119543	increase	TNF	ENSG00000223952	14586007;
C119620	increase	ABCB1	ENSG00000085563	18624906;
C119737	decrease	IL6	ENSG00000136244	16019205;
C119737	increase	ALPL	ENSG00000162551	16019205;12650720;
C119737	increase	CYP1A2	ENSG00000140505	15672752;
C119737	increase	PGR	ENSG00000082175	16076101;
C119737	increase	TFF1	ENSG00000160182	16019205;
C119737	increase	VWF	ENSG00000110799	16019205;
C120029	increase	CASP2	ENSG00000106144	14757846;
C120129	increase	CYP11A1	ENSG00000140459	16216300;
C120129	increase	CYP11B1	ENSG00000160882	16216300;
C120129	increase	CYP11B2	ENSG00000179142	16216300;
C120129	increase	CYP19A1	ENSG00000137869	16216300;
C120129	increase	CYP21A2	ENSG00000231852	16216300;
C120129	increase	HSD17B1	ENSG00000108786	16216300;
C120129	increase	HSD3B1	ENSG00000203857	16216300;
C120129	increase	HSD3B2	ENSG00000203859	16216300;
C120227	increase	CD38	ENSG00000004468	17077328;
C120227	increase	ITGAM	ENSG00000169896	17077328;
C120227	increase	RARB	ENSG00000077092	17077328;
C120227	increase	TP53AIP1	ENSG00000120471	15031205;16467208;
C120227	increase	TP73	ENSG00000078900	16467208;15031205;
C120275	affect	TP53	ENSG00000141510	12869419;12807743;
C120275	decrease	CCNA2	ENSG00000145386	11468187;
C120275	decrease	CCNB1	ENSG00000134057	11468187;
C120275	decrease	CCND1	ENSG00000110092	11468187;
C120275	decrease	CCND2	ENSG00000118971	11468187;

C120275	decrease	CCND3	ENSG00000112576	11468187;
C120275	decrease	CDK2	ENSG00000123374	17631934;11468187;
C120275	increase	CCNE1	ENSG00000105173	11468187;
C120275	increase	CDKN1A	ENSG00000124762	11468187;12869419;12807743;
C120275	increase	GADD45A	ENSG00000116717	11468187;
C120275	increase	TFRC	ENSG00000072274	12807743;
C120508	increase	DDIT3	ENSG00000175197	19040731;
C120508	increase	GADD45A	ENSG00000116717	19040731;
C120508	increase	PPP1R15A	ENSG00000087074	19040731;
C120508	increase	SESN2	ENSG00000130766	19040731;
C120508	increase	TNFRSF10B	ENSG00000120889	19040731;
C120793	decrease	TP53	ENSG00000141510	16055726;
C121153	increase	CD36	ENSG00000135218	17360047;
C121329	decrease	IL12A	ENSG00000168811	12847216;
C121329	decrease	IL12B	ENSG00000113302	12847216;
C121329	decrease	IL23A	ENSG00000110944	12847216;
C121345	decrease	IL5	ENSG00000113525	15061398;
C121345	decrease	IL8	ENSG00000169429	15061398;
C121479	increase	TFF1	ENSG00000160182	16183391;
C121565	decrease	BAX	ENSG00000087088	16357363;16946128;15547111;12893085;
C121565	decrease	BCL2	ENSG00000171791	18516295;15547111;
C121565	decrease	DNMT1	ENSG00000130816	15547111;
C121565	decrease	DNMT3A	ENSG00000119772	15547111;
C121565	decrease	EDN1	ENSG00000078401	19098008;
C121565	decrease	EDNRB	ENSG00000136160	19098008;
C121565	decrease	KIT	ENSG00000157404	19098008;
C121565	decrease	KITLG	ENSG00000049130	19098008;
C121565	decrease	MC1R	ENSG00000198211	19098008;
C121565	decrease	MITF	ENSG00000187098	19098008;
C121565	decrease	MMP1	ENSG00000196611	18557930;
C121565	decrease	TYR	ENSG00000077498	19098008;
C121565	increase	CCNB1	ENSG00000134057	18516295;15547111;16620711;
C121565	increase	CDK1	ENSG00000170312	18516295;16620711;
C121565	increase	CDKN1A	ENSG00000124762	15547111;18516295;18223691;12893085;
C121565	increase	CYP1A1	ENSG00000140465	16258175;15843497;15698582;
C121565	increase	CYP1A2	ENSG00000140505	16258175;
C121565	increase	CYP1B1	ENSG00000138061	16258175;
C121565	increase	FAS	ENSG00000026103	11779855;
C121565	increase	GADD45A	ENSG00000116717	15547111;
C121565	increase	PLK1	ENSG00000166851	18516295;
C121565	increase	TP53	ENSG00000141510	16170029;16357363;15547111;16258175;19098008;16467109;16814113;16777994;12893085;
C121616	increase	DDIT3	ENSG00000175197	16972258;
C121616	increase	HMOX1	ENSG00000100292	16972258;
C122062	increase	CYP1A1	ENSG00000140465	15355884;11752201;17674193;
C122062	increase	CYP1B1	ENSG00000138061	17674193;11752201;
C400082	decrease	AKT1	ENSG00000142208	15781649;

C400082	decrease	BCL2	ENSG00000171791	15781649;16024631;16022909;
C400082	decrease	BCL2L1	ENSG00000171552	15781649;12893773;16024631;15543232;
C400082	decrease	BID	ENSG00000015475	12893773;
C400082	decrease	BIRC2	ENSG00000110330	12893773;15781649;16024631;15543232;
C400082	decrease	BIRC5	ENSG00000089685	16373703;
C400082	decrease	CA9	ENSG00000107159	16061869;
C400082	decrease	CCL3	ENSG00000006075	18089816;
C400082	decrease	CCND1	ENSG00000110092	12893773;15781649;
C400082	decrease	MAP2K1	ENSG00000169032	12893773;
C400082	decrease	MAPK1	ENSG00000100030	12893773;
C400082	decrease	MAPK3	ENSG00000102882	12893773;
C400082	decrease	MKI67	ENSG00000148773	19372569;
C400082	decrease	PTHLH	ENSG00000087494	18089816;
C400082	decrease	RAF1	ENSG00000132155	12893773;
C400082	decrease	SFN	ENSG00000175793	16373703;
C400082	decrease	VEGFA	ENSG00000112715	19372569;
C400082	decrease	XIAP	ENSG00000101966	12893773;16024631;15543232;
C400082	increase	BCL2L11	ENSG00000153094	16024631;
C400082	increase	CDKN1A	ENSG00000124762	12893773;15543232;
C400082	increase	DDIT3	ENSG00000175197	17709599;16024631;
C400082	increase	HIF1A	ENSG00000100644	16061869;
C400082	increase	HSPA5	ENSG00000044574	16024631;
C400082	increase	MCL1	ENSG00000143384	12893773;
C400082	increase	PMAIP1	ENSG00000141682	16024631;
C400184	increase	AGTR1	ENSG00000144891	16386258;
C400184	increase	ALOX5	ENSG00000012779	16386258;
C400184	increase	CCR2	ENSG00000121807	16386258;
C400184	increase	CD68	ENSG00000129226	16386258;
C400184	increase	CRP	ENSG00000132693	16386258;
C400184	increase	IL1A	ENSG00000115008	16386258;
C400184	increase	IL1B	ENSG00000125538	16386258;
C400184	increase	IL8	ENSG00000169429	16386258;
C400184	increase	OLR1	ENSG00000173391	16386258;
C400184	increase	PTGS1	ENSG00000095303	16386258;
C400184	increase	PTGS2	ENSG00000073756	16386258;
C400184	increase	SELE	ENSG00000007908	16386258;
C400184	increase	TIMP4	ENSG00000157150	16386258;
C400184	increase	TNF	ENSG00000223952	16386258;
C400278	increase	CCND1	ENSG00000110092	19168569;
C401858	decrease	ESR1	ENSG00000091831	17033922;
C401859	decrease	CCND1	ENSG00000110092	16954435;
C401859	decrease	RB1	ENSG00000139687	16954435;
C402365	increase	IFNG	ENSG00000111537	18490488;
C402365	increase	IL10	ENSG00000136634	18490488;
C402365	increase	IL12A	ENSG00000168811	18490488;
C402365	increase	IL12B	ENSG00000113302	18490488;
C402365	increase	IL23A	ENSG00000110944	18490488;
C402665	decrease	BIRC3	ENSG00000023445	15155752;
C402665	decrease	PDIA6	ENSG00000143870	15155752;
C402665	decrease	PODXL	ENSG00000128567	15155752;

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C402665	increase	ATF3	ENSG00000162772	15155752;
C402665	increase	CEBPB	ENSG00000172216	15155752;
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C402665	increase	DUSP6	ENSG00000139318	15155752;
C402665	increase	EGR1	ENSG00000120738	15155752;
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C402665	increase	FOS	ENSG00000170345	15155752;
C402665	increase	GADD45A	ENSG00000116717	15155752;
C402665	increase	GDF15	ENSG00000130513	15155752;
C402665	increase	GNA11	ENSG00000088256	15155752;
C402665	increase	HAS2	ENSG00000170961	15155752;
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C402665	increase	HSPA1B	ENSG00000232804	15155752;
C402665	increase	IL2RB	ENSG00000100385	15155752;
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C402665	increase	MYC	ENSG00000136997	15155752;
C402665	increase	RASA1	ENSG00000145715	15155752;
C402665	increase	TFPI2	ENSG00000105825	15155752;
C402665	increase	TNFRSF10C	ENSG00000173535	15155752;
C402665	increase	VASP	ENSG00000125753	15155752;
C402665	increase	VEGFC	ENSG00000150630	15155752;
C402665	increase	ZFP36	ENSG00000128016	15155752;
C402892	increase	CYP24A1	ENSG00000019186	16289102;
C402892	increase	RARB	ENSG00000077092	16289102;
C403304	decrease	BCL2A1	ENSG00000140379	16007145;
C403304	decrease	BCL2	ENSG00000171791	16007145;
C403304	decrease	BCL2L1	ENSG00000171552	16007145;
C403304	decrease	BIRC2	ENSG00000110330	16007145;
C403304	decrease	BIRC3	ENSG00000023445	16007145;
C403304	decrease	BIRC5	ENSG00000089685	16007145;
C403304	decrease	CCND1	ENSG00000110092	16007145;
C403304	decrease	CFLAR	ENSG00000003402	16007145;
C403304	decrease	ICAM1	ENSG00000090339	16007145;
C403304	decrease	MMP9	ENSG00000100985	16007145;
C403304	decrease	MYC	ENSG00000136997	16007145;
C403304	decrease	PTGS2	ENSG00000073756	16007145;
C403304	decrease	TRAF1	ENSG00000056558	16007145;
C403304	decrease	XIAP	ENSG00000101966	16007145;
C403899	decrease	CCNA2	ENSG00000145386	15202011;
C403899	decrease	CCND1	ENSG00000110092	15202011;
C403899	decrease	CCNE1	ENSG00000105173	15202011;
C403899	decrease	CDK2	ENSG00000123374	15202011;
C403899	decrease	CDK4	ENSG00000135446	15202011;
C403899	decrease	CDK6	ENSG00000105810	15202011;
C403899	decrease	RB1	ENSG00000139687	15202011;
C403899	increase	CDKN1A	ENSG00000124762	15202011;
C403900	decrease	CCNA2	ENSG00000145386	15202011;
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C403900	decrease	CDK2	ENSG00000123374	12969788;15202011;
C403900	decrease	CDK4	ENSG00000135446	15202011;
C403900	decrease	CDK6	ENSG00000105810	15202011;
C403900	decrease	RB1	ENSG00000139687	15202011;
C403900	increase	CDKN1A	ENSG00000124762	12969788;15202011;
C404397	decrease	AKT1	ENSG00000142208	14647418;
C404397	decrease	CCND1	ENSG00000110092	14647418;
C404397	decrease	RAF1	ENSG00000132155	14647418;
C404743	decrease	BCL2	ENSG00000171791	16391850;
C404743	decrease	BCL2L1	ENSG00000171552	16391850;
C404743	increase	BAX	ENSG00000087088	16391850;
C405346	decrease	FGF23	ENSG00000118972	16076378;
C405354	decrease	BCL2	ENSG00000171791	16489027;
C405354	decrease	BCL2L1	ENSG00000171552	16489027;
C405354	increase	BAX	ENSG00000087088	16489027;
C405354	increase	TNFSF10	ENSG00000121858	16489027;
C405603	increase	PON1	ENSG00000005421	14767865;
C405904	increase	IL8	ENSG00000169429	17366569;
C406082	decrease	AKAP5	ENSG00000179841	16507463;
C406082	decrease	C1QTNF6	ENSG00000133466	18448484;
C406082	decrease	CCL2	ENSG00000108691	16507463;
C406082	decrease	CLK3	ENSG00000179335	16507463;
C406082	decrease	COL1A1	ENSG00000108821	16507463;
C406082	decrease	FAM83A	ENSG00000147689	18448484;
C406082	decrease	GATA6	ENSG00000141448	16507463;
C406082	decrease	GJA1	ENSG00000152661	16507463;
C406082	decrease	HTRA1	ENSG00000166033	16507463;
C406082	decrease	IGFBP5	ENSG00000115461	16507463;
C406082	decrease	ITGB3	ENSG00000056345	16507463;
C406082	decrease	MMP2	ENSG00000087245	16507463;
C406082	decrease	MYCL1	ENSG00000116990	16507463;
C406082	decrease	MYLK	ENSG00000251351	16507463;
C406082	decrease	NEFL	ENSG00000104725	18448484;
C406082	decrease	NUP88	ENSG00000108559	16507463;
C406082	decrease	PRKCA	ENSG00000154229	16507463;
C406082	decrease	ZSCAN12	ENSG00000158691	18448484;
C406082	increase	IL1R2	ENSG00000115590	16507463;
C406734	decrease	TOP2A	ENSG00000131747	17089011;
C407502	decrease	IVL	ENSG00000163207	10769631;
C408162	decrease	BCL2	ENSG00000171791	15867202;11095261;
C408604	increase	CYP1A1	ENSG00000140465	15698582;
C408604	increase	FOS	ENSG00000170345	12547826;
C408604	increase	PLD1	ENSG00000075651	17640750;
C408604	increase	PLD2	ENSG00000129219	17640750;
C408604	increase	PTGS2	ENSG00000073756	17640750;
C408982	increase	HSPA1B	ENSG00000232804	17046822;
C408982	increase	MYD88	ENSG00000172936	17046822;
C408982	increase	TLR9	ENSG00000239732	17046822;
C410026	decrease	CCND1	ENSG00000110092	15377668;
C410127	affect	CDKN1A	ENSG00000124762	12473173;
C410127	increase	BRCA1	ENSG00000012048	12473173;
C410216	decrease	AKT1	ENSG00000142208	17918158;
C410216	decrease	EGFR	ENSG00000146648	17918158;
C410216	decrease	ERBB2	ENSG00000141736	17918158;

C410216	decrease	ERBB3	ENSG00000065361	17918158;
C410228	increase	CALB1	ENSG00000104327	15922086;
C410228	increase	CD14	ENSG00000170458	14729647;
C410228	increase	CEBPB	ENSG00000172216	14729647;
C410228	increase	RB1	ENSG00000139687	14729647;
C410228	increase	VDR	ENSG00000111424	15922086;
C410666	decrease	IL10	ENSG00000136634	17185614;
C410666	decrease	TNF	ENSG00000223952	17185614;
C410666	increase	ACO1	ENSG00000122729	17185614;
C410666	increase	CPT1A	ENSG00000110090	17185614;
C410666	increase	CPT2	ENSG00000157184	17185614;
C410666	increase	IL2	ENSG00000109471	17185614;
C410666	increase	IL4	ENSG00000113520	17185614;
C410733	affect	ANAPC1	ENSG00000153107	18813790;
C410733	affect	ANLN	ENSG00000011426	18813790;
C410733	affect	CAV1	ENSG00000105974	18813790;
C410733	affect	CCNB2	ENSG00000157456	18813790;
C410733	affect	CCNE2	ENSG00000175305	18813790;
C410733	affect	CCNJ	ENSG00000107443	18813790;
C410733	affect	CD82	ENSG00000085117	18813790;
C410733	affect	CDC6	ENSG00000094804	18813790;
C410733	affect	CDK2AP1	ENSG00000111328	18813790;
C410733	affect	CDK3	ENSG00000250506	18813790;
C410733	affect	CDKN2A	ENSG00000147889	18813790;
C410733	affect	CDKN2D	ENSG00000129355	18813790;
C410733	affect	CETN2	ENSG00000147400	18813790;
C410733	affect	CKS1B	ENSG00000173207	18813790;
C410733	affect	CST3	ENSG00000101439	18813790;
C410733	affect	CTNNB1	ENSG00000168036	18813790;
C410733	affect	CTSD	ENSG00000117984	18813790;
C410733	affect	CTSO	ENSG00000151792	18813790;
C410733	affect	DUSP6	ENSG00000139318	18813790;
C410733	affect	E2F3	ENSG00000112242	18813790;
C410733	affect	EIF4G2	ENSG00000110321	18813790;
C410733	affect	EZR	ENSG00000092820	18813790;
C410733	affect	F2R	ENSG00000181104	18813790;
C410733	affect	FLT4	ENSG00000037280	18813790;
C410733	affect	GAS1	ENSG00000180447	18813790;
C410733	affect	ITGA6	ENSG00000091409	18813790;
C410733	affect	ITGB1	ENSG00000150093	18813790;
C410733	affect	KIF11	ENSG00000138160	18813790;
C410733	affect	MMP13	ENSG00000137745	18813790;
C410733	affect	MOS	ENSG00000172680	18813790;
C410733	affect	MTSS1	ENSG00000170873	18813790;
C410733	affect	NCAPD2	ENSG00000010292	18813790;
C410733	affect	NCAPG	ENSG00000109805	18813790;
C410733	affect	NDC80	ENSG00000080986	18813790;
C410733	affect	NPM1	ENSG00000181163	18813790;
C410733	affect	NR4A3	ENSG00000119508	18813790;
C410733	affect	NRG1	ENSG00000157168	18813790;
C410733	affect	NRP2	ENSG00000118257	18813790;
C410733	affect	RAD51L1	ENSG00000182185	18813790;
C410733	affect	RGS2	ENSG00000116741	18813790;
C410733	affect	3-Sep	ENSG00000100167	18813790;

C410733	affect	SERPINE1	ENSG00000106366	18813790;
C410733	affect	SESN3	ENSG00000149212	18813790;
C410733	affect	STAG2	ENSG00000101972	18813790;
C410733	affect	SYK	ENSG00000165025	18813790;
C410733	affect	TGFA	ENSG00000163235	18813790;
C410733	affect	THBS1	ENSG00000137801	18813790;
C410733	affect	TIMP2	ENSG00000035862	18813790;
C410733	affect	TIMP4	ENSG00000157150	18813790;
C410733	affect	TPTE2	ENSG00000132958	18813790;
C411007	increase	HMOX1	ENSG00000100292	17420286;
C411007	increase	KIT	ENSG00000157404	17420286;
C411652	affect	MDM2	ENSG00000135679	16027726;
C411652	affect	TP53	ENSG00000141510	16027726;
C411652	increase	CSNK1D	ENSG00000141551	16027726;
C411652	increase	CSNK1E	ENSG00000213923	16027726;
C411675	decrease	SPHK1	ENSG00000176170	16281067;
C411675	decrease	XIAP	ENSG00000101966	16281067;
C412373	decrease	TYMS	ENSG00000176890	18794807;
C412373	increase	BIRC3	ENSG00000023445	17671207;
C412373	increase	BMP2	ENSG00000125845	17513867;
C412373	increase	FOS	ENSG00000170345	15090535;
C412373	increase	HOXA7	ENSG00000122592	19438726;
C412373	increase	IL8	ENSG00000169429	15831558;20181660;
C412373	increase	MIF	ENSG00000240972	16872482;
C412373	increase	MLL	ENSG00000118058	19438726;
C412373	increase	MMP2	ENSG00000087245	16872482;
C412373	increase	VDR	ENSG00000111424	15930183;
C412373	increase	VEGFA	ENSG00000112715	19403854;18790786;
C412815	decrease	PON1	ENSG00000005421	16269825;
C412815	decrease	SREBF1	ENSG00000072310	16269825;
C412815	increase	ABCB11	ENSG00000073734	15307955;12519787;12525500;15911693;
C412815	increase	ABCB4	ENSG00000005471	14527955;14623915;
C412815	increase	FGF19	ENSG00000162344	16269825;
C412815	increase	KNG1	ENSG00000113889	15307955;
C412815	increase	NR0B2	ENSG00000131910	16269825;
C412815	increase	NR1H4	ENSG00000012504	12519787;12525500;14684751;14527955;17567710;
C412815	increase	VIPR1	ENSG00000114812	16037943;
C412963	decrease	PTGS2	ENSG00000073756	10920275;
C413408	increase	CCL2	ENSG00000108691	17668557;
C413408	increase	CCL3	ENSG00000006075	17668557;
C414690	decrease	CDH1	ENSG00000039068	17596522;
C414690	increase	ACTA2	ENSG00000107796	17596522;
C414690	increase	SNAI1	ENSG00000124216	17596522;
C415032	decrease	BIRC5	ENSG00000089685	16166596;
C415032	decrease	MCL1	ENSG00000143384	16166596;
C416282	increase	BCL2	ENSG00000171791	16407826;
C416282	increase	BCL2L1	ENSG00000171552	16407826;
C416282	increase	CD14	ENSG00000170458	18180316;
C416282	increase	PTGS2	ENSG00000073756	18480072;
C416282	increase	RNF34	ENSG00000170633	16407826;
C416531	affect	BAX	ENSG00000087088	16003723;
C416531	decrease	BCL2	ENSG00000171791	16003723;

C416531	increase	ABCB1	ENSG00000085563	16051478;
C417207	increase	IL8	ENSG00000169429	16611624;
C417207	increase	MMP3	ENSG00000149968	16778083;
C417207	increase	SRC	ENSG00000197122	16611624;
C417521	affect	CCND3	ENSG00000112576	16024653;
C417521	decrease	CCND1	ENSG00000110092	16024653;
C417521	increase	CDKN1A	ENSG00000124762	15958644;
C417521	increase	CTNNB1	ENSG00000168036	16968065;16968061;
C417521	increase	TP53	ENSG00000141510	15958644;17210701;
C418365	decrease	F10	ENSG00000126218	14561536;
C418365	decrease	F7	ENSG00000057593	14561536;
C418365	decrease	PROC	ENSG00000115718	14561536;
C418365	decrease	SERPINC1	ENSG00000117601	14561536;
C419708	decrease	ADORA1	ENSG00000163485	16685379;
C419708	decrease	CDKN1B	ENSG00000111276	16322342;
C419708	decrease	CYP2F1	ENSG00000197446	16685379;
C419708	decrease	DUSP9	ENSG00000130829	16685379;
C419708	decrease	E2F1	ENSG00000101412	18347146;
C419708	decrease	GADD45G	ENSG00000130222	16685379;
C419708	decrease	GNB2	ENSG00000172354	16685379;
C419708	decrease	GUCY2D	ENSG00000132518	16685379;
C419708	decrease	IFI6	ENSG00000126709	16685379;
C419708	decrease	LEPR	ENSG00000116678	16685379;
C419708	decrease	MLH1	ENSG00000076242	16685379;
C419708	decrease	NFKB1	ENSG00000109320	16685379;
C419708	decrease	NPTX2	ENSG00000106236	16685379;
C419708	decrease	NRL	ENSG00000129535	16685379;
C419708	decrease	PTGS2	ENSG00000073756	16322342;
C419708	decrease	SFN	ENSG00000175793	16685379;
C419708	decrease	TNFRSF1B	ENSG00000028137	16685379;
C419708	decrease	TYMS	ENSG00000176890	18347146;
C419708	increase	AREG	ENSG00000205595	15496427;16230376;15723263;
C419708	increase	CGRRF1	ENSG00000100532	16685379;
C419708	increase	EPOR	ENSG00000187266	16685379;
C419708	increase	EPS15	ENSG00000085832	16685379;
C419708	increase	FGF6	ENSG00000111241	16685379;
C419708	increase	GADD45A	ENSG00000116717	16685379;
C419708	increase	GARS	ENSG00000106105	16685379;
C419708	increase	HBEGF	ENSG00000113070	15723263;
C419708	increase	IL8	ENSG00000169429	15723263;
C419708	increase	QSOX1	ENSG00000116260	16685379;
C419708	increase	RPA1	ENSG00000132383	16685379;
C419708	increase	SKI	ENSG00000157933	16685379;
C420268	decrease	IL8	ENSG00000169429	15956251;
C420268	decrease	VEGFA	ENSG00000112715	15956251;
C421458	decrease	TFRC	ENSG00000072274	17257079;
C422175	decrease	CD1A	ENSG00000158477	17475839;
C422175	decrease	CD36	ENSG00000135218	17475839;
C422175	increase	CD80	ENSG00000121594	17475839;
C422175	increase	CD86	ENSG00000114013	17475839;
C422648	decrease	NRF1	ENSG00000106459	16579640;
C422648	decrease	SDHC	ENSG00000143252	16579640;
C422648	decrease	TFF1	ENSG00000160182	16579640;

C422648	increase	ABCB1	ENSG00000085563	16579640;
C422648	increase	APAF1	ENSG00000120868	15939500;
C422648	increase	ATP6V0E1	ENSG00000113732	16579640;
C422648	increase	BAX	ENSG00000087088	15939500;
C422648	increase	BCL2	ENSG00000171791	15939500;
C422648	increase	BCL2L1	ENSG00000171552	15939500;
C422648	increase	CASP3	ENSG00000164305	15939500;
C422648	increase	CASP9	ENSG00000132906	15939500;
C422648	increase	DNAJA1	ENSG00000086061	16579640;
C422648	increase	HSPA8	ENSG00000109971	16579640;
C422648	increase	MT1G	ENSG00000125144	16579640;
C422648	increase	MT2A	ENSG00000125148	16579640;
C422648	increase	PDCD5	ENSG00000105185	16579640;
C422648	increase	TP53	ENSG00000141510	15939500;
C422648	increase	TUBB	ENSG00000229684	16579640;
C422649	decrease	ICAM1	ENSG00000090339	17931847;
C423012	increase	TNFRSF1A	ENSG00000067182	9870925;
C423185	increase	CYP2B6	ENSG00000197408	15333513;
C423185	increase	CYP2C9	ENSG00000138109	15333513;
C423185	increase	CYP3A4	ENSG00000160868	16837568;
C423222	decrease	ETS2	ENSG00000157557	16129123;
C423222	decrease	PTPN3	ENSG00000070159	16129123;
C423222	decrease	RABEPK	ENSG00000136933	16129123;
C423222	decrease	TFDP2	ENSG00000114126	16129123;
C423222	increase	ALOX5	ENSG00000012779	16129123;
C423222	increase	ANXA1	ENSG00000135046	16129123;
C423222	increase	BST1	ENSG00000109743	16129123;
C423222	increase	BTG1	ENSG00000133639	16129123;
C423222	increase	CCNG2	ENSG00000138764	18754885;
C423222	increase	CD48	ENSG00000117091	16129123;
C423222	increase	DUSP6	ENSG00000139318	16129123;
C423222	increase	IFI6	ENSG00000126709	16129123;
C423222	increase	IL32	ENSG00000008517	16129123;
C423222	increase	LASP1	ENSG00000002834	16129123;
C423222	increase	LGALS3BP	ENSG00000108679	16129123;
C423222	increase	OLIG2	ENSG00000205927	16129123;
C423222	increase	PDE4B	ENSG00000184588	16129123;
C423222	increase	PPIG	ENSG00000138398	16129123;
C423222	increase	PTGS1	ENSG00000095303	16129123;
C423222	increase	PTPRC	ENSG00000081237	16129123;
C423222	increase	RAB31	ENSG00000168461	16129123;
C423222	increase	RAC2	ENSG00000128340	16129123;
C423222	increase	S100P	ENSG00000163993	16129123;
C423222	increase	TIMP2	ENSG00000035862	16129123;
C423222	increase	TNFAIP2	ENSG00000185215	16129123;
C423915	increase	ABCA1	ENSG00000165029	16142410;17449538;
C423915	increase	ABCG1	ENSG00000160179	16024918;17449538;
C423915	increase	APOE	ENSG00000130203	16142410;17449538;
C423915	increase	CETP	ENSG00000087237	16142410;
C423915	increase	LDLR	ENSG00000130164	16142410;
C423915	increase	LIPG	ENSG00000101670	16142410;
C423915	increase	LPL	ENSG00000175445	16142410;
C423915	increase	NR1H3	ENSG00000025434	12932788;12970175;17449538;

C423915	increase	PLTP	ENSG00000100979	16142410;17449538;
C423915	increase	SCARB1	ENSG00000073060	16142410;
C423917	decrease	CTNNB1	ENSG00000168036	17219422;
C423917	increase	IL8	ENSG00000169429	12208513;
C423917	increase	RXRA	ENSG00000186350	15707588;
C425784	increase	CYP1A1	ENSG00000140465	15355884;14707267;
C425784	increase	CYP1B1	ENSG00000138061	15355884;14707267;
C425784	increase	IL6	ENSG00000136244	15655410;
C427824	decrease	PGR	ENSG00000082175	9144411;
C428725	increase	ODC1	ENSG00000115758	9834970;
C430898	decrease	CCNB1	ENSG00000134057	15318936;
C430898	decrease	CCNE1	ENSG00000105173	15318936;
C430898	decrease	CDK1	ENSG00000170312	15318936;
C430898	decrease	CDK4	ENSG00000135446	15318936;
C430898	decrease	CDK6	ENSG00000105810	15318936;
C430898	decrease	EGFR	ENSG00000146648	15318936;
C430898	decrease	FOSL1	ENSG00000175592	15318936;
C430898	decrease	MAPK3	ENSG00000102882	15318936;
C430898	decrease	MAPK4	ENSG00000141639	15318936;
C430898	decrease	MET	ENSG00000105976	15318936;
C432165	affect	BIRC3	ENSG00000023445	16154993;
C432165	affect	CDC25C	ENSG00000158402	16179969;
C432165	affect	NRP1	ENSG00000099250	16289960;
C432165	decrease	APP	ENSG00000142192	16648635;
C432165	decrease	BIRC5	ENSG00000089685	16328441;
C432165	decrease	FGF19	ENSG00000162344	16269825;
C432165	decrease	PON1	ENSG00000005421	16269825;
C432165	decrease	SERPINE1	ENSG00000106366	17379280;
C432165	decrease	TAT	ENSG00000198650	15744361;
C432165	increase	APOA1	ENSG00000118137	19013290;
C432165	increase	BIRC2	ENSG00000110330	12832416;
C432165	increase	CCL8	ENSG00000108700	12832416;
C432165	increase	CD14	ENSG00000170458	14729647;18180316;
C432165	increase	CDKN1A	ENSG00000124762	15961274;16061660;
C432165	increase	CEBPB	ENSG00000172216	14729647;
C432165	increase	CXCL10	ENSG00000169245	12832416;
C432165	increase	CXCL3	ENSG00000163734	12832416;
C432165	increase	CYP17A1	ENSG00000148795	16269825;
C432165	increase	CYP1A1	ENSG00000140465	17959153;
C432165	increase	CYP1A2	ENSG00000140505	17959153;
C432165	increase	CYP3A4	ENSG00000160868	17965521;
C432165	increase	DDIT3	ENSG00000175197	17341418;17049495;
C432165	increase	EGF	ENSG00000138798	15961274;
C432165	increase	EGR1	ENSG00000120738	18316600;
C432165	increase	F2	ENSG00000180210	19944065;
C432165	increase	F3	ENSG00000117525	19944065;
C432165	increase	FAS	ENSG00000026103	16162944;16061660;
C432165	increase	FGF2	ENSG00000138685	16289960;12832416;
C432165	increase	FGF7	ENSG00000140285	16162944;15677771;
C432165	increase	GABPA	ENSG00000154727	16308312;
C432165	increase	GCH1	ENSG00000250845	12832416;
C432165	increase	HSPA5	ENSG00000044574	17341418;
C432165	increase	HSPA6	ENSG00000173110	15978632;
C432165	increase	ICAM1	ENSG00000090339	12832416;

C432165	increase	IL1A	ENSG00000115008	12832416;
C432165	increase	IL1B	ENSG00000125538	12832416;16359550;18982426;16365456;15677771;
C432165	increase	IL6	ENSG00000136244	17196171;19074641;12832416;
C432165	increase	IL8	ENSG00000169429	17082639;12832416;16373669;
C432165	increase	JUN	ENSG00000177606	16041517;15930183;16407847;12832416;18982426;15677771;16872482;16061660;15322261;16932349;
C432165	increase	MAPK8	ENSG00000107643	15831436;16041517;18728404;15322261;16648635;15964311;16864444;1677799
C432165	increase	MMP12	ENSG00000110347	16359550;
C432165	increase	MMP1	ENSG00000196611	12832416;
C432165	increase	MMP3	ENSG00000149968	16778083;12832416;
C432165	increase	PPARD	ENSG00000112033	17341418;
C432165	increase	PTGS2	ENSG00000073756	12832416;18596194;
C432165	increase	PTX3	ENSG00000163661	12832416;
C432165	increase	RB1	ENSG00000139687	14729647;
C432165	increase	SAA1	ENSG00000173432	12832416;
C432165	increase	SCD	ENSG00000099194	16162944;
C432165	increase	SERPINB2	ENSG00000197632	12832416;
C432165	increase	SOD2	ENSG00000112096	12832416;
C432165	increase	SREBF1	ENSG00000072310	16162944;
C432165	increase	ST8SIA3	ENSG00000177511	17069899;
C432165	increase	SULT1A1	ENSG00000196502	16308312;
C432165	increase	TGFB1	ENSG00000105329	16365456;
C432165	increase	TNF	ENSG00000223952	15322261;
C432165	increase	TP53	ENSG00000141510	17292493;16061660;
C432165	increase	VDR	ENSG00000111424	15930183;
C432165	increase	VEGFA	ENSG00000112715	18596194;
C432511	decrease	MMP2	ENSG00000087245	18715546;
C432511	decrease	MMP9	ENSG00000100985	18715546;
C432511	increase	TIMP1	ENSG00000102265	18715546;
C433788	increase	NFKB1	ENSG00000109320	11437639;
C433788	increase	PTGS2	ENSG00000073756	8621535;
C433788	increase	RELA	ENSG00000173039	11437639;
C433985	decrease	TYMS	ENSG00000176890	18425338;
C434003	affect	DDIT3	ENSG00000175197	17049495;
C434003	decrease	BCL2L1	ENSG00000171552	16173963;16960866;
C434003	decrease	BIRC2	ENSG00000110330	16380446;
C434003	decrease	BIRC3	ENSG00000023445	16380446;
C434003	decrease	CFLAR	ENSG00000003402	16380446;16173963;
C434003	decrease	IL6	ENSG00000136244	16380446;
C434003	decrease	XIAP	ENSG00000101966	16173963;15964800;
C434003	increase	CCL2	ENSG00000108691	17666914;
C434003	increase	EFEMP1	ENSG00000115380	19208748;
C434003	increase	ICAM1	ENSG00000090339	14572618;17666914;
C434003	increase	IFNG	ENSG00000111537	19208748;
C434003	increase	TNF	ENSG00000223952	17666914;14572618;
C436083	increase	FGF7	ENSG00000140285	14656992;
C436947	increase	ITGA2	ENSG00000164171	11545736;
C436947	increase	LDLR	ENSG00000130164	11545736;

C436947	increase	ZBTB17	ENSG00000116809	11545736;
C437043	increase	CDKN1A	ENSG00000124762	17045927;
C437043	increase	NOS3	ENSG00000164867	17045927;
C437043	increase	TP53	ENSG00000141510	17045927;
C437683	increase	MT1A	ENSG00000205362	15867382;
C437683	increase	MT1E	ENSG00000169715	15867382;
C437683	increase	MT1F	ENSG00000198417	15867382;
C437683	increase	MT1G	ENSG00000125144	15867382;
C437683	increase	MT1H	ENSG00000205358	15867382;
C437683	increase	MT1X	ENSG00000187193	15867382;
C437683	increase	MT2A	ENSG00000125148	15867382;
C437683	increase	RNF19B	ENSG00000116514	15867382;
C437683	increase	SLC30A1	ENSG00000170385	15867382;
C439285	decrease	CCND1	ENSG00000110092	15475462;
C439285	decrease	CTNNB1	ENSG00000168036	12392815;
C439285	increase	ALOX15	ENSG00000161905	16166323;
C439285	increase	CDKN1A	ENSG00000124762	15475462;
C439285	increase	PRKG1	ENSG00000185532	11602670;
C439285	increase	RARB	ENSG00000077092	15475462;
C439285	increase	TP53	ENSG00000141510	15475462;
C439584	decrease	CCND1	ENSG00000110092	16954435;
C439584	decrease	ESR1	ENSG00000091831	16954435;
C440499	increase	CCL3	ENSG00000006075	12538206;
C440499	increase	F3	ENSG00000117525	7600656;
C440499	increase	IL6	ENSG00000136244	10700573;
C440499	increase	SELE	ENSG00000007908	8780174;
C440499	increase	SPP1	ENSG00000118785	18703563;
C440499	increase	TNF	ENSG00000223952	10700573;
C440614	decrease	BIRC5	ENSG00000089685	14988404;
C440780	increase	F3	ENSG00000117525	18974383;
C440780	increase	TNF	ENSG00000223952	18974383;
C440975	affect	CYP1A2	ENSG00000140505	15977188;
C440975	affect	CYP3A4	ENSG00000160868	15977188;15155549;
C440975	increase	MGMT	ENSG00000170430	16950796;
C440975	increase	TP53	ENSG00000141510	16777994;
C441209	affect	FSHB	ENSG00000131808	16291413;
C441209	affect	LHB	ENSG00000104826	16291413;
C442659	decrease	C4BPB	ENSG00000123843	14551147;
C442659	decrease	F5	ENSG00000198734	14551147;
C442659	decrease	LHB	ENSG00000104826	17105841;
C442659	decrease	PLAT	ENSG00000104368	12618251;
C442659	decrease	PROS1	ENSG00000184500	14551147;11994571;12618251;15318540;10928463;
C442659	decrease	VCAM1	ENSG00000162692	17105841;
C442659	increase	A2M	ENSG00000175899	10928463;
C442659	increase	CD19	ENSG00000177455	10813102;
C442659	increase	CD4	ENSG00000010610	10813102;
C442659	increase	CP	ENSG00000047457	12616983;
C442659	increase	CRP	ENSG00000132693	17105841;16637303;12616983;
C442659	increase	F7	ENSG00000057593	12616980;12618251;
C442659	increase	F8	ENSG00000185010	12618251;
C442659	increase	FCER2	ENSG00000104921	10813102;

C442659	increase	FGA	ENSG00000171560	16637303;14981370;12616980;12618251;12616983;
C442659	increase	FGB	ENSG00000171564	16637303;14981370;12616980;12616983;12618251;
C442659	increase	FGG	ENSG00000171557	16637303;14981370;12616983;12616980;12618251;
C442659	increase	PLG	ENSG00000122194	15318540;12618251;
C442659	increase	PROC	ENSG00000115718	15318540;11994571;14551147;12618251;10928463;
C442659	increase	SERPINA1	ENSG00000197249	10928463;
C442659	increase	SERPINA5	ENSG00000188488	14551147;10928463;
C442659	increase	SERPINC1	ENSG00000117601	11994571;14981370;12616251;10928463;15318540;
C442659	increase	SERPIND1	ENSG00000099937	15318540;
C442659	increase	SHBG	ENSG00000129214	14981370;
C442659	increase	VWF	ENSG00000110799	12616983;
C442781	increase	CCL17	ENSG00000102970	18325701;
C442781	increase	IL4	ENSG00000113520	18325701;
C442781	increase	IL5	ENSG00000113525	18325701;
C442781	increase	TNF	ENSG00000223952	18325701;
C442817	increase	LDLR	ENSG00000130164	12524230;
C443401	affect	CCL2	ENSG00000108691	18489909;
C443401	affect	ICAM1	ENSG00000090339	18489909;
C443401	increase	TNF	ENSG00000223952	18489909;17880982;
C443401	increase	VCAM1	ENSG00000162692	18489909;17880982;
C443641	affect	MET	ENSG00000105976	16308212;
C443641	decrease	ALOX5	ENSG00000012779	16308212;
C443641	decrease	CD27	ENSG00000139193	16308212;
C443641	decrease	CDK1	ENSG00000170312	16308212;
C443641	decrease	DBF4	ENSG00000006634	16308212;
C443641	decrease	DUSP1	ENSG00000120129	16308212;
C443641	decrease	GMPS	ENSG00000163655	16308212;
C443641	decrease	HSPD1	ENSG00000144381	16308212;
C443641	decrease	IK	ENSG00000113141	16308212;
C443641	decrease	PCCB	ENSG00000114054	16308212;
C443641	decrease	PCNA	ENSG00000132646	16308212;
C443641	decrease	PSMB4	ENSG00000159377	16308212;
C443641	decrease	RPA3	ENSG00000106399	16308212;
C443641	decrease	RPL8	ENSG00000161016	16308212;
C443641	decrease	SMARCA4	ENSG00000127616	16308212;
C443641	decrease	YWHAQ	ENSG00000134308	16308212;
C443641	increase	ANXA2	ENSG00000182718	16308212;
C443641	increase	CCNA1	ENSG00000133101	16308212;
C443641	increase	CD14	ENSG00000170458	16308212;
C443641	increase	CDK4	ENSG00000135446	16308212;
C443641	increase	HIST1H2AD	ENSG00000196866	16308212;
C443641	increase	HSP90B1	ENSG00000166598	16308212;
C443641	increase	IL9R	ENSG00000124334	16308212;
C443641	increase	PSMA4	ENSG00000041357	16308212;
C443641	increase	RXRA	ENSG00000186350	16308212;
C443641	increase	TGFA	ENSG00000163235	16308212;
C443641	increase	TPR	ENSG00000047410	16308212;
C443641	increase	TUBB4	ENSG00000104833	16308212;
C444299	affect	CYCS	ENSG00000172115	16051428;
C444299	decrease	BCL2	ENSG00000171791	16051428;

C444299	decrease	CCND1	ENSG00000110092	16051428;
C446520	decrease	BCL2	ENSG00000171791	16077967;
C446520	decrease	BCL2L1	ENSG00000171552	16096431;16077967;
C446520	decrease	CDC25A	ENSG00000164045	16077967;
C446520	decrease	CDC25B	ENSG00000101224	16077967;
C446520	decrease	CDC25C	ENSG00000158402	16077967;
C446520	decrease	XIAP	ENSG00000101966	16096431;
C446520	increase	BAX	ENSG00000087088	16077967;
C446685	increase	CYP1A2	ENSG00000140505	19409404;
C447119	increase	LIPC	ENSG00000166035	15961563;
C448659	decrease	CHEK1	ENSG00000149554	17085670;
C450682	increase	CRABP2	ENSG00000143320	17486130;
C450682	increase	CYP26B1	ENSG00000003137	17486130;
C450682	increase	MYCN	ENSG00000134323	17486130;
C450682	increase	RARB	ENSG00000077092	17486130;
C450832	increase	C3	ENSG00000125730	17060630;
C450832	increase	COX2	ENSG00000198712	16531283;
C450832	increase	COX3	ENSG00000198938	16531283;
C451219	increase	VEGFA	ENSG00000112715	15860260;
C451735	decrease	BCL2L1	ENSG00000171552	15555623;
C451735	decrease	BCL2L2	ENSG00000129473	15555623;
C451735	decrease	CCND1	ENSG00000110092	15555623;
C451735	decrease	NFKBIA	ENSG00000100906	15555623;
C451735	increase	CDKN1A	ENSG00000124762	15555623;
C451735	increase	TP53	ENSG00000141510	15555623;
C452139	increase	CXCL1	ENSG00000163739	14997032;
C452139	increase	IL8	ENSG00000169429	14997032;
C452423	decrease	MSH3	ENSG00000113318	16052530;
C452423	decrease	PTMA	ENSG00000187514	16052530;
C452423	increase	ADM	ENSG00000148926	16052530;
C452423	increase	ANGPTL4	ENSG00000167772	16052530;
C452423	increase	BNIP3L	ENSG00000104765	16052530;
C452423	increase	CALB1	ENSG00000104327	16052530;
C452423	increase	COL4A3	ENSG00000169031	16052530;
C452423	increase	DUSP1	ENSG00000120129	16052530;
C452423	increase	ENO2	ENSG00000111674	16052530;
C452423	increase	HIST1H1C	ENSG00000187837	16052530;
C452423	increase	IGFBP1	ENSG00000146678	16052530;
C452423	increase	IGFBP3	ENSG00000146674	16052530;
C452423	increase	INSIG1	ENSG00000186480	16052530;
C452423	increase	INSIG2	ENSG00000125629	16052530;
C452423	increase	MUC1	ENSG00000185499	16052530;
C452423	increase	NDRG1	ENSG00000104419	16052530;
C452423	increase	PGK1	ENSG00000102144	16052530;
C452423	increase	PLOD2	ENSG00000152952	16052530;
C452423	increase	PRSS2	ENSG00000204983	16052530;
C452423	increase	SCD	ENSG00000099194	16052530;
C452423	increase	SLC2A14	ENSG00000173262	16052530;
C452423	increase	SLC2A3	ENSG00000059804	16052530;
C452423	increase	TSC22D3	ENSG00000157514	16052530;
C454300	decrease	PLAT	ENSG00000104368	15288212;
C454300	decrease	PROS1	ENSG00000184500	15288212;
C454300	decrease	SERPINE1	ENSG00000106366	15288212;
C454300	increase	F2	ENSG00000180210	15288212;

C454300	increase	F7	ENSG00000057593	15288212;
C454300	increase	FGA	ENSG00000171560	15288212;
C454300	increase	FGB	ENSG00000171564	15288212;
C454300	increase	FGG	ENSG00000171557	15288212;
C454323	decrease	IFNG	ENSG00000111537	10883730;
C454323	decrease	TNF	ENSG00000223952	10883730;
C455846	decrease	SLC7A11	ENSG00000151012	16443240;
C455846	increase	MYC	ENSG00000136997	11198217;
C455860	increase	CYP3A4	ENSG00000160868	17965521;
C456099	decrease	AKT1	ENSG00000142208	11800023;
C456099	decrease	ERBB2	ENSG00000141736	11800023;
C456099	decrease	RAF1	ENSG00000132155	11800023;
C456739	affect	IL8	ENSG00000169429	17558435;
C456739	affect	TNF	ENSG00000223952	17558435;
C456800	decrease	BCL2L1	ENSG00000171552	15634644;
C456800	decrease	CCND1	ENSG00000110092	15634644;
C456800	decrease	MCL1	ENSG00000143384	15634644;
C457499	decrease	BCL2	ENSG00000171791	17461445;
C457499	decrease	CD1A	ENSG00000158477	17475839;
C457499	decrease	CD36	ENSG00000135218	17475839;
C457499	decrease	CD80	ENSG00000121594	17475839;
C457499	decrease	FN1	ENSG00000115414	15908479;
C457499	increase	BAX	ENSG00000087088	17461445;
C457499	increase	BSG	ENSG00000172270	17055343;
C457499	increase	CD86	ENSG00000114013	17475839;
C457499	increase	CDKN1A	ENSG00000124762	15345676;
C457499	increase	FABP1	ENSG00000163586	17602619;
C457499	increase	FABP4	ENSG00000170323	17602619;
C457499	increase	PTGS2	ENSG00000073756	16417216;
C459179	increase	GREM1	ENSG00000166923	17975199;
C459179	increase	TGFB1	ENSG00000105329	17975199;
C459559	decrease	MAP2K1	ENSG00000169032	15725661;
C459559	decrease	MAP2K2	ENSG00000126934	15725661;
C459559	decrease	MAPK1	ENSG00000100030	15725661;
C459559	decrease	MAPK3	ENSG00000102882	15725661;
C459604	decrease	ACY1	ENSG00000243989	16309724;
C459604	decrease	AK3L1	ENSG00000162433	16309724;
C459604	decrease	ALDOC	ENSG00000109107	16309724;
C459604	decrease	AQP3	ENSG00000165272	16309724;
C459604	decrease	ASS1	ENSG00000130707	16309724;
C459604	decrease	AUH	ENSG00000148090	16309724;
C459604	decrease	BAG1	ENSG00000250477	16309724;
C459604	decrease	BASP1	ENSG00000176788	16309724;
C459604	decrease	BNIP3	ENSG00000176171	16309724;
C459604	decrease	CA9	ENSG00000107159	16309724;
C459604	decrease	CCNG2	ENSG00000138764	16309724;
C459604	decrease	CD55	ENSG00000196352	16309724;
C459604	decrease	CHRNE	ENSG00000108556	16309724;
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C459604	decrease	CLNS1A	ENSG00000074201	16309724;
C459604	decrease	COL4A1	ENSG00000187498	16309724;
C459604	decrease	CPS1	ENSG00000021826	16309724;
C459604	decrease	CSAD	ENSG00000139631	16309724;
C459604	decrease	CSRP2	ENSG00000175183	16309724;

C459604	decrease	CUL4A	ENSG00000139842	16309724;
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C459604	decrease	DUSP9	ENSG00000130829	16309724;
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C459604	decrease	FBN2	ENSG00000138829	16309724;
C459604	decrease	GALNT2	ENSG00000143641	16309724;
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C459604	decrease	GPRC5A	ENSG00000013588	16309724;
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C459604	decrease	IFITM2	ENSG00000185201	16309724;
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C459604	decrease	IL1A	ENSG00000115008	16309724;
C459604	decrease	IRS2	ENSG00000185950	16309724;
C459604	decrease	JUNB	ENSG00000171223	16309724;
C459604	decrease	KLF9	ENSG00000119138	16309724;
C459604	decrease	L1CAM	ENSG00000198910	16309724;
C459604	decrease	LPL	ENSG00000175445	16309724;
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C459604	decrease	MYC	ENSG00000136997	16309724;
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C459604	decrease	OLR1	ENSG00000173391	16309724;
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C459604	decrease	PLA2G4A	ENSG00000116711	16309724;
C459604	decrease	PLTP	ENSG00000100979	16309724;
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C459604	decrease	PTP4A1	ENSG00000112245	16309724;
C459604	decrease	PTPRM	ENSG00000173482	16309724;
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C459604	increase	CD44	ENSG00000026508	16309724;
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C459604	increase	GAS6	ENSG00000248501	16309724;
C459604	increase	GBP1	ENSG00000117228	16309724;
C459604	increase	GPR39	ENSG00000183840	16309724;
C459604	increase	GPR56	ENSG00000205336	16309724;
C459604	increase	HSPA1A	ENSG00000232804	16309724;
C459604	increase	IFI44	ENSG00000137965	16309724;
C459604	increase	IL13RA2	ENSG00000123496	16309724;
C459604	increase	IL7R	ENSG00000168685	16309724;
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C459604	increase	PEA15	ENSG00000162734	16309724;
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C459604	increase	RAP1GDS1	ENSG00000138698	16309724;
C459604	increase	SLC7A11	ENSG00000151012	16309724;
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C459604	increase	SRPR	ENSG00000182934	16309724;
C459604	increase	THBS1	ENSG00000137801	16309724;
C459604	increase	TNFRSF12A	ENSG00000006327	16309724;
C459604	increase	TPM1	ENSG00000140416	16309724;
C459604	increase	UBE2D3	ENSG00000109332	16309724;
C459604	increase	UBE2E3	ENSG00000170035	16309724;
C459623	decrease	IL4	ENSG00000113520	16343431;
C460864	increase	CD209	ENSG00000090659	17938187;
C460864	increase	CD36	ENSG00000135218	17938187;
C460864	increase	CLEC7A	ENSG00000172243	17938187;
C460864	increase	MSR1	ENSG00000038945	17938187;
C463260	decrease	BIRC5	ENSG00000089685	16473406;
C463260	decrease	FLT3	ENSG00000122025	16473406;
C463759	decrease	BAX	ENSG00000087088	15863893;
C463759	decrease	XIAP	ENSG00000101966	15863893;
C464444	decrease	BIRC2	ENSG00000110330	15501958;
C464444	decrease	BIRC3	ENSG00000023445	15501958;
C464444	decrease	BIRC5	ENSG00000089685	16211219;
C464444	decrease	CFLAR	ENSG00000003402	16211219;
C464444	decrease	TNF	ENSG00000223952	16211219;
C464444	decrease	XIAP	ENSG00000101966	15501958;
C464660	decrease	CYP7A1	ENSG00000167910	15911693;
C464660	decrease	SLC10A1	ENSG00000100652	15911693;
C464660	increase	ABCB11	ENSG00000073734	15911693;
C464660	increase	NR0B2	ENSG00000131910	15911693;
C465546	increase	CYP1A1	ENSG00000140465	11454723;
C466420	affect	CCL2	ENSG00000108691	14576080;
C466420	affect	TNF	ENSG00000223952	14576080;
C466913	decrease	TYMS	ENSG00000176890	17599054;
C466913	increase	CDKN1B	ENSG00000111276	17599054;
C467001	decrease	TP53	ENSG00000141510	16055726;
C467566	decrease	GATA1	ENSG00000102145	15292067;
C467566	decrease	GATA2	ENSG00000179348	15292067;
C467566	decrease	GFI1B	ENSG00000165702	15292067;

C467566	decrease	JUND	ENSG00000130522	15292067;
C467566	decrease	KLF1	ENSG00000105610	15292067;
C467566	decrease	LMO2	ENSG00000135363	15292067;
C467566	decrease	NFE2	ENSG00000123405	15292067;
C467566	increase	CEBPA	ENSG00000245848	15292067;
C467566	increase	CEBPD	ENSG00000221869	15292067;
C467566	increase	CEBPE	ENSG00000092067	15292067;
C467566	increase	GFI1	ENSG00000162676	15292067;
C467566	increase	ID1	ENSG00000125968	15292067;
C467566	increase	ID2	ENSG00000115738	15292067;
C467566	increase	IL2	ENSG00000109471	16241859;
C467566	increase	SPI1	ENSG00000066336	16373662;15292067;
C467567	decrease	F2R	ENSG00000181104	15618473;
C467567	decrease	IL1R1	ENSG00000115594	15618473;
C467567	decrease	IL6ST	ENSG00000134352	15618473;
C467567	decrease	TEK	ENSG00000120156	15618473;
C467567	decrease	TGFBR1	ENSG00000106799	15618473;
C467567	decrease	TNFRSF1A	ENSG00000067182	15618473;
C467567	decrease	TNFRSF1B	ENSG00000028137	15618473;
C467746	increase	DHCR24	ENSG00000116133	15585566;
C467746	increase	ESR1	ENSG00000091831	12399409;15585566;17935960;
C467746	increase	IGFBP4	ENSG00000141753	12399409;
C467746	increase	UGT2B15	ENSG00000196620	16690804;
C468130	increase	AR	ENSG00000169083	19059400;
C468753	increase	PGR	ENSG00000082175	16892383;
C468753	increase	TFF1	ENSG00000160182	16892383;
C469298	increase	APP	ENSG00000142192	18583042;
C469298	increase	BACE1	ENSG00000186318	18583042;
C469298	increase	CD83	ENSG00000112149	17698565;
C469298	increase	CD86	ENSG00000114013	17698565;
C469852	affect	HSPB1	ENSG00000106211	15583868;
C469852	affect	HSPD1	ENSG00000144381	15583868;
C469937	decrease	XIAP	ENSG00000101966	16140939;
C469937	increase	TP53	ENSG00000141510	16140939;
C470148	decrease	EDN1	ENSG00000078401	12934402;
C470148	decrease	SELP	ENSG00000174175	12934402;
C470148	decrease	TF	ENSG00000091513	12934402;
C470148	decrease	VWF	ENSG00000110799	12934402;
C471405	decrease	MCL1	ENSG00000143384	16007148;
C471843	decrease	BIRC5	ENSG00000089685	14988404;15958644;16170024;
C471843	decrease	MDM2	ENSG00000135679	15958644;
C471843	increase	CDKN1A	ENSG00000124762	15958644;
C471843	increase	CDKN2A	ENSG00000147889	15958644;
C471843	increase	TP53	ENSG00000141510	15958644;
C471992	decrease	CCND1	ENSG00000110092	16489032;
C472511	decrease	ALOX5AP	ENSG00000132965	16507463;
C472511	decrease	CCL2	ENSG00000108691	16507463;
C472511	decrease	CCNA1	ENSG00000133101	16507463;
C472511	decrease	CEBPB	ENSG00000172216	16507463;
C472511	decrease	COL1A1	ENSG00000108821	16507463;
C472511	decrease	DDIT3	ENSG00000175197	16507463;
C472511	decrease	FGFR1	ENSG00000249195	16507463;

C472511	decrease	GATA6	ENSG00000141448	16507463;
C472511	decrease	GJA1	ENSG00000152661	16507463;
C472511	decrease	HBEGF	ENSG00000113070	16507463;
C472511	decrease	HIF1A	ENSG00000100644	16507463;
C472511	decrease	IGFBP5	ENSG00000115461	16507463;
C472511	decrease	ITGB3	ENSG00000056345	16507463;
C472511	decrease	MMP2	ENSG00000087245	16507463;
C472511	decrease	MYLK	ENSG00000251351	16507463;
C472511	decrease	NSF	ENSG00000073969	16507463;
C472511	decrease	NUP88	ENSG00000108559	16507463;
C472511	decrease	ODC1	ENSG00000115758	16507463;
C472511	decrease	PRKCA	ENSG00000154229	16507463;
C472511	decrease	PSMA3	ENSG00000100567	16507463;
C472511	decrease	RPUSD4	ENSG00000165526	16507463;
C472511	decrease	SMAD7	ENSG00000101665	16507463;
C472511	decrease	TCF12	ENSG00000140262	16507463;
C472511	decrease	THBS1	ENSG00000137801	16507463;
C472511	decrease	TMEM50B	ENSG00000142188	16507463;
C472511	decrease	TXNDC17	ENSG00000129235	16507463;
C472511	increase	IL1R2	ENSG00000115590	16507463;
C472777	affect	LAT	ENSG00000213658	12493747;
C472777	affect	LCK	ENSG00000182866	12493747;
C472777	affect	NFATC2	ENSG00000101096	12493747;
C472777	affect	PTPN2	ENSG00000175354	12493747;
C472777	affect	PTPN6	ENSG00000111679	12493747;
C472777	affect	ZAP70	ENSG00000115085	12493747;
C472777	decrease	LTC4S	ENSG00000213316	12574384;
C472777	increase	PTGS2	ENSG00000073756	12493747;
C472791	decrease	ACTB	ENSG00000075624	12958071;
C472791	decrease	AK2	ENSG00000004455	12958071;
C472791	decrease	AKR1B1	ENSG00000085662	12958071;
C472791	decrease	AMH	ENSG00000104899	12958071;
C472791	decrease	AP2M1	ENSG00000161203	12958071;
C472791	decrease	AP2S1	ENSG00000042753	12958071;
C472791	decrease	ARF1	ENSG00000143761	12958071;
C472791	decrease	ARPC2	ENSG00000163466	12958071;
C472791	decrease	ARPC3	ENSG00000111229	12958071;
C472791	decrease	ARSA	ENSG00000100299	12958071;
C472791	decrease	ATP2B2	ENSG00000157087	12958071;
C472791	decrease	ATP5A1	ENSG00000152234	12958071;
C472791	decrease	ATP5B	ENSG00000110955	12958071;
C472791	decrease	ATP5I	ENSG00000169020	12958071;
C472791	decrease	ATP5J	ENSG00000154723	12958071;
C472791	decrease	BANF1	ENSG00000175334	12958071;
C472791	decrease	C11ORF10	ENSG00000134825	12958071;
C472791	decrease	C14ORF156	ENSG00000119705	12958071;
C472791	decrease	C19ORF43	ENSG00000123144	12958071;
C472791	decrease	CAMK2G	ENSG00000148660	12958071;
C472791	decrease	CCT2	ENSG00000166226	12958071;
C472791	decrease	CCT3	ENSG00000163468	12958071;
C472791	decrease	CCT6A	ENSG00000146731	12958071;
C472791	decrease	CDK4	ENSG00000135446	12958071;
C472791	decrease	CEBPB	ENSG00000172216	12958071;
C472791	decrease	CFL1	ENSG00000172757	12958071;

C472791	decrease	CHCHD2	ENSG00000106153	12958071;
C472791	decrease	CLIC1	ENSG00000226417	12958071;
C472791	decrease	COX5B	ENSG00000135940	12958071;
C472791	decrease	COX6C	ENSG00000164919	12958071;
C472791	decrease	COX7A2	ENSG00000112695	12958071;
C472791	decrease	COX7A2L	ENSG00000115944	12958071;
C472791	decrease	COX7B	ENSG00000131174	12958071;
C472791	decrease	COX7C	ENSG00000127184	12958071;
C472791	decrease	DAPK3	ENSG00000167657	12958071;
C472791	decrease	DYNLL1	ENSG00000088986	12958071;
C472791	decrease	EEF2	ENSG00000167658	12958071;
C472791	decrease	EIF3D	ENSG00000100353	12958071;
C472791	decrease	EIF3E	ENSG00000104408	12958071;
C472791	decrease	EIF4A1	ENSG00000161960	12958071;
C472791	decrease	EIF4A2	ENSG00000156976	12958071;
C472791	decrease	EIF4B	ENSG00000063046	12958071;
C472791	decrease	EIF4G2	ENSG00000110321	12958071;
C472791	decrease	EIF5A	ENSG00000132507	12958071;
C472791	decrease	ENO1	ENSG00000074800	12958071;
C472791	decrease	FKBP5	ENSG00000096060	12958071;
C472791	decrease	H2AFZ	ENSG00000164032	12958071;
C472791	decrease	HIC1	ENSG00000177374	12958071;
C472791	decrease	HSP90AA1	ENSG00000080824	12958071;
C472791	decrease	ILF2	ENSG00000143621	12958071;
C472791	decrease	IMP3	ENSG00000177971	12958071;
C472791	decrease	ITGA11	ENSG00000137809	12958071;
C472791	decrease	ITM2B	ENSG00000136156	12958071;
C472791	decrease	KARS	ENSG00000065427	12958071;
C472791	decrease	KIAA0101	ENSG00000166803	12958071;
C472791	decrease	KIF2C	ENSG00000142945	12958071;
C472791	decrease	KIF3A	ENSG00000131437	12958071;
C472791	decrease	KPNA2	ENSG00000182481	12958071;
C472791	decrease	LGALS1	ENSG00000100097	12958071;
C472791	decrease	LSM3	ENSG00000170860	12958071;
C472791	decrease	MAN1B1	ENSG00000177239	12958071;
C472791	decrease	MEN1	ENSG00000133895	12958071;
C472791	decrease	MGST1	ENSG00000008394	12958071;
C472791	decrease	MOBKL1B	ENSG00000114978	12958071;
C472791	decrease	MTCH2	ENSG00000109919	12958071;
C472791	decrease	NACA	ENSG00000196531	12958071;
C472791	decrease	NARS	ENSG00000134440	12958071;
C472791	decrease	NDUFB9	ENSG00000147684	12958071;
C472791	decrease	NDUFS5	ENSG00000168653	12958071;
C472791	decrease	NKX2-5	ENSG00000183072	12958071;
C472791	decrease	NME1	ENSG00000239672	12958071;
C472791	decrease	NPM1	ENSG00000181163	12958071;
C472791	decrease	ODC1	ENSG00000115758	12958071;
C472791	decrease	PABPC1	ENSG00000070756	12958071;
C472791	decrease	PCBP2	ENSG00000197111	12958071;
C472791	decrease	PDIA3	ENSG00000167004	12958071;
C472791	decrease	PFN1	ENSG00000108518	12958071;
C472791	decrease	PIN1	ENSG00000127445	12958071;
C472791	decrease	POLR2G	ENSG00000168002	12958071;
C472791	decrease	POU3F1	ENSG00000185668	12958071;

C472791	decrease	PRICKLE4	ENSG00000124593	12958071;
C472791	decrease	PSMA4	ENSG00000041357	12958071;
C472791	decrease	PSMB1	ENSG00000008018	12958071;
C472791	decrease	PSMD3	ENSG00000108344	12958071;
C472791	decrease	PSMF1	ENSG00000125818	12958071;
C472791	decrease	PURB	ENSG00000146676	12958071;
C472791	decrease	RBX1	ENSG00000100387	12958071;
C472791	decrease	ROBO4	ENSG00000154133	12958071;
C472791	decrease	RPL10	ENSG00000147403	12958071;
C472791	decrease	RPL13	ENSG00000167526	12958071;
C472791	decrease	RPL18A	ENSG00000105640	12958071;
C472791	decrease	RPL19	ENSG00000108298	12958071;
C472791	decrease	RPL24	ENSG00000114391	12958071;
C472791	decrease	RPL29	ENSG00000162244	12958071;
C472791	decrease	RPL32	ENSG00000144713	12958071;
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C472791	decrease	RPL36AL	ENSG00000165502	12958071;
C472791	decrease	RPL39	ENSG00000198918	12958071;
C472791	decrease	RPL41	ENSG00000229117	12958071;
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C472791	decrease	RPL8	ENSG00000161016	12958071;
C472791	decrease	RPLP1	ENSG00000137818	12958071;
C472791	decrease	RPS10	ENSG00000124614	12958071;
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C472791	decrease	RPS26	ENSG00000197728	12958071;
C472791	decrease	RPS27A	ENSG00000143947	12958071;
C472791	decrease	RPS27	ENSG00000177954	12958071;
C472791	decrease	RPS2	ENSG00000140988	12958071;
C472791	decrease	RYBP	ENSG00000163602	12958071;
C472791	decrease	S100P	ENSG00000163993	12958071;
C472791	decrease	SAP18	ENSG00000150459	12958071;
C472791	decrease	7-Sep	ENSG00000122545	12958071;
C472791	decrease	SFRS3	ENSG00000112081	12958071;
C472791	decrease	SHFM1	ENSG00000127922	12958071;
C472791	decrease	SLC25A37	ENSG00000147454	12958071;
C472791	decrease	SLC25A3	ENSG00000075415	12958071;
C472791	decrease	SLC25A6	ENSG00000169100	12958071;
C472791	decrease	SLC30A5	ENSG00000145740	12958071;
C472791	decrease	SLC38A7	ENSG00000103042	12958071;
C472791	decrease	SNRPB	ENSG00000125835	12958071;
C472791	decrease	SNRPD2	ENSG00000125743	12958071;
C472791	decrease	SNRPF	ENSG00000139343	12958071;
C472791	decrease	SNRPG	ENSG00000143977	12958071;
C472791	decrease	SOD1	ENSG00000142168	12958071;
C472791	decrease	SOX11	ENSG00000176887	12958071;
C472791	decrease	SOX4	ENSG00000124766	12958071;
C472791	decrease	SSBP1	ENSG00000106028	12958071;
C472791	decrease	SSR2	ENSG00000163479	12958071;
C472791	decrease	SSTR3	ENSG00000183473	12958071;
C472791	decrease	ST13	ENSG00000100380	12958071;
C472791	decrease	TBL1XR1	ENSG00000177565	12958071;
C472791	decrease	TIMM8B	ENSG00000150779	12958071;
C472791	decrease	TMEM14C	ENSG00000111843	12958071;
C472791	decrease	TMSB10	ENSG00000034510	12958071;

C472791	decrease	TMSB4X	ENSG00000205542	12958071;
C472791	decrease	TOMM7	ENSG00000196683	12958071;
C472791	decrease	TPT1	ENSG00000133112	12958071;
C472791	decrease	TXN	ENSG00000136810	12958071;
C472791	decrease	UBA52	ENSG00000221983	12958071;
C472791	decrease	UBE2M	ENSG00000130725	12958071;
C472791	decrease	UBL5	ENSG00000198258	12958071;
C472791	decrease	UGCG	ENSG00000148154	12958071;
C472791	decrease	UQCRB	ENSG00000156467	12958071;
C472791	decrease	UQCRC2	ENSG00000140740	12958071;
C472791	decrease	UQCRH	ENSG00000173660	12958071;
C472791	decrease	UXT	ENSG00000126756	12958071;
C472791	decrease	VAMP8	ENSG00000118640	12958071;
C472791	decrease	VDAC2	ENSG00000165637	12958071;
C472791	decrease	YBX1	ENSG00000065978	12958071;
C472791	decrease	YWHAE	ENSG00000108953	12958071;
C472791	decrease	YWHAZ	ENSG00000164924	12958071;
C472791	increase	IL8	ENSG00000169429	12958071;
C472791	increase	MLL4	ENSG00000105663	12958071;
C472791	increase	SETD5	ENSG00000168137	12958071;
C472791	increase	STK3	ENSG00000104375	12958071;
C472791	increase	SUB1	ENSG00000113387	12958071;
C472791	increase	UGT2B15	ENSG00000196620	12958071;
C473027	decrease	CYP11A1	ENSG00000140459	17449538;
C473027	decrease	STAR	ENSG00000147465	17449538;
C473027	increase	ABCA1	ENSG00000165029	16107141;17449538;
C473027	increase	ABCG1	ENSG00000160179	17449538;
C473027	increase	APOE	ENSG00000130203	17449538;
C473027	increase	NR1H3	ENSG00000025434	12932788;17449538;
C473027	increase	PLTP	ENSG00000100979	17449538;
C473027	increase	SREBF1	ENSG00000072310	16107141;
C474928	decrease	CCNE1	ENSG00000105173	12694875;
C474928	increase	CCNB1	ENSG00000134057	12694875;
C475093	increase	CYP2A6	ENSG00000198077	16857725;
C475093	increase	CYP2B6	ENSG00000197408	18332078;
C475093	increase	CYP2C8	ENSG00000138115	15933212;
C475093	increase	CYP3A4	ENSG00000160868	18332078;
C475587	increase	CDKN1A	ENSG00000124762	16003486;
C475587	increase	TP53	ENSG00000141510	16003486;
C475882	decrease	ESR1	ENSG00000091831	17904202;
C475882	increase	PGR	ENSG00000082175	17904202;
C475882	increase	TFF1	ENSG00000160182	17904202;
C475919	decrease	ABAT	ENSG00000183044	16849584;
C475919	decrease	CSTA	ENSG00000121552	15072547;
C475919	decrease	DNAJC12	ENSG00000108176	16849584;
C475919	decrease	EFNA1	ENSG00000169242	15072547;
C475919	decrease	ERBB2	ENSG00000141736	15072547;
C475919	decrease	GALNT6	ENSG00000139629	16849584;
C475919	decrease	MEGF9	ENSG00000106780	16849584;
C475919	decrease	MMP15	ENSG00000102996	15072547;
C475919	decrease	MYLIP	ENSG0000007944	16849584;
C475919	decrease	NAT9	ENSG00000109065	16849584;
C475919	decrease	NOV	ENSG00000136999	15072547;
C475919	decrease	PCNA	ENSG00000132646	15072547;

C475919	decrease	PDCD4	ENSG00000150593	16849584;
C475919	decrease	SOX9	ENSG00000125398	16849584;
C475919	decrease	STS	ENSG00000101846	16849584;
C475919	decrease	TACC1	ENSG00000147526	15072547;
C475919	decrease	UGT1A1	ENSG00000241635	15072547;
C475919	decrease	ZNF217	ENSG00000171940	15072547;
C475919	increase	ABCC3	ENSG00000108846	15072547;
C475919	increase	ABCC5	ENSG00000114770	15072547;
C475919	increase	AREG	ENSG00000205595	15072547;
C475919	increase	ASCL1	ENSG00000139352	16849584;
C475919	increase	B3GNT2	ENSG00000170340	16849584;
C475919	increase	C3ORF63	ENSG00000163946	16849584;
C475919	increase	CCNA2	ENSG00000145386	15072547;
C475919	increase	CD44	ENSG00000026508	16849584;
C475919	increase	CLIC3	ENSG00000169583	16849584;
C475919	increase	CPM	ENSG00000135678	16849584;
C475919	increase	CTSD	ENSG00000117984	15072547;
C475919	increase	DAB2	ENSG00000153071	16849584;
C475919	increase	EFNB2	ENSG00000125266	16849584;
C475919	increase	ELF3	ENSG00000163435	16849584;
C475919	increase	ESR2	ENSG00000140009	16849584;
C475919	increase	ETNK1	ENSG00000139163	16849584;
C475919	increase	FAM129A	ENSG00000135842	16849584;
C475919	increase	FARP1	ENSG00000152767	16849584;
C475919	increase	FOS	ENSG00000170345	15072547;
C475919	increase	GBE1	ENSG00000114480	16849584;
C475919	increase	GGA2	ENSG00000103365	16849584;
C475919	increase	GPR56	ENSG00000205336	16849584;
C475919	increase	IER3	ENSG00000137331	16849584;
C475919	increase	IGFBP4	ENSG00000141753	15072547;
C475919	increase	IRS1	ENSG00000169047	15072547;
C475919	increase	KBTD2	ENSG00000170852	16849584;
C475919	increase	KLC1	ENSG00000126214	16849584;
C475919	increase	KRT13	ENSG00000171401	16849584;
C475919	increase	LASP1	ENSG00000002834	16849584;
C475919	increase	LSS	ENSG00000160285	16849584;
C475919	increase	LTBP1	ENSG00000049323	16849584;
C475919	increase	MSH2	ENSG00000095002	16849584;
C475919	increase	MYC	ENSG00000136997	15072547;
C475919	increase	OAZ3	ENSG00000143450	16849584;
C475919	increase	PCYOX1	ENSG00000116005	16849584;
C475919	increase	PGR	ENSG00000082175	15072547;
C475919	increase	PGRMC1	ENSG00000101856	16849584;
C475919	increase	PKIA	ENSG00000171033	16849584;
C475919	increase	PRPS1	ENSG00000147224	16849584;
C475919	increase	PTPRG	ENSG00000144724	16849584;
C475919	increase	RAB30	ENSG00000137502	16849584;
C475919	increase	RGS3	ENSG00000249544	16849584;
C475919	increase	SDC1	ENSG00000115884	16849584;
C475919	increase	SERPINA1	ENSG00000197249	16849584;
C475919	increase	SHANK2	ENSG00000162105	16849584;
C475919	increase	SLC25A1	ENSG00000100075	16849584;
C475919	increase	SOCS1	ENSG00000185338	16849584;
C475919	increase	SRD5A1	ENSG00000145545	16849584;

C475919	increase	STAG1	ENSG00000118007	16849584;
C475919	increase	TFF1	ENSG00000160182	15072547;
C475919	increase	TM7SF2	ENSG00000149809	16849584;
C475919	increase	UPF1	ENSG00000005007	16849584;
C475919	increase	WNT2	ENSG00000105989	15072547;
C475919	increase	WNT4	ENSG00000162552	16849584;
C475919	increase	YWHAZ	ENSG00000164924	16849584;
C475919	increase	ZNF185	ENSG00000147394	16849584;
C476036	decrease	MMP14	ENSG00000157227	16783407;
C476200	increase	RXRG	ENSG00000249671	12766334;
C477042	increase	ABCB1	ENSG00000085563	19034627;
C477042	increase	ABCC2	ENSG00000023839	19034627;
C477042	increase	CYP2B6	ENSG00000197408	19034627;
C477042	increase	CYP3A4	ENSG00000160868	19034627;
C477042	increase	UGT1A1	ENSG00000241635	19034627;
C477330	decrease	CCND2	ENSG00000118971	12907618;
C477330	decrease	CCND3	ENSG00000112576	12907618;
C477330	decrease	CCNE1	ENSG00000105173	12907618;
C477330	decrease	MAPK14	ENSG00000112062	12907618;
C477330	increase	CDKN1B	ENSG00000111276	12907618;
C477361	decrease	MCL1	ENSG00000143384	16189296;16275999;
C477361	decrease	XIAP	ENSG00000101966	16189296;16275999;
C477361	increase	CDKN1A	ENSG00000124762	17237267;16189296;16275999;
C477361	increase	RARB	ENSG00000077092	17237267;
C477361	increase	TAGLN	ENSG00000149591	17237267;
C477659	increase	AR	ENSG00000169083	19059400;
C477819	decrease	BIRC2	ENSG00000110330	12623786;
C477819	decrease	FN1	ENSG00000115414	15908479;
C477819	decrease	SP1	ENSG00000185591	15908479;
C477819	increase	IL1A	ENSG00000115008	10866999;
C477819	increase	IL1B	ENSG00000125538	15641079;
C477819	increase	NOS2	ENSG00000007171	10866999;
C477819	increase	PTGS2	ENSG00000073756	15641079;10866999;
C477819	increase	TNF	ENSG00000223952	10866999;
C477931	decrease	BIRC2	ENSG00000110330	12970779;
C477931	decrease	BIRC3	ENSG00000023445	12970779;
C477931	decrease	CFLAR	ENSG00000003402	12970779;
C477941	decrease	CCND1	ENSG00000110092	12844480;
C477941	decrease	CCND2	ENSG00000118971	12844480;
C477941	decrease	MYC	ENSG00000136997	12844480;
C477941	decrease	PCNA	ENSG00000132646	12844480;
C477941	increase	CASP3	ENSG00000164305	12844480;
C477941	increase	CDKN1A	ENSG00000124762	12844480;
C477941	increase	CDKN1B	ENSG00000111276	12844480;
C477941	increase	FAS	ENSG00000026103	12844480;
C478160	decrease	BCL2	ENSG00000171791	15982805;
C478160	decrease	CASP3	ENSG00000164305	15982805;
C478160	increase	BAX	ENSG00000087088	15982805;
C479067	increase	TP53	ENSG00000141510	15724842;
C479072	increase	CRABP2	ENSG00000143320	15225641;
C479128	decrease	CCNA2	ENSG00000145386	15202011;
C479128	decrease	CCND1	ENSG00000110092	12969788;15202011;
C479128	decrease	CCND3	ENSG00000112576	12969788;

C479128	decrease	CCNE1	ENSG00000105173	12969788;15202011;
C479128	decrease	CDK2	ENSG00000123374	12969788;15202011;
C479128	decrease	CDK4	ENSG00000135446	12969788;15202011;
C479128	decrease	CDK6	ENSG00000105810	15202011;
C479128	decrease	RB1	ENSG00000139687	15202011;12969788;
C479128	increase	CDKN1A	ENSG00000124762	12969788;15202011;
C479799	decrease	BIRC5	ENSG00000089685	15528975;
C479799	decrease	CALCOCO2	ENSG00000136436	15528975;
C479799	decrease	CCNG2	ENSG00000138764	15528975;
C479799	decrease	CLGN	ENSG00000153132	15528975;
C479799	decrease	CRKL	ENSG00000099942	15528975;
C479799	decrease	EEF1A1	ENSG00000156508	15528975;
C479799	decrease	EPS15	ENSG00000085832	15528975;
C479799	decrease	FAM48A	ENSG00000102710	15528975;
C479799	decrease	GADD45A	ENSG00000116717	15528975;
C479799	decrease	GRB10	ENSG00000106070	15528975;
C479799	decrease	HGF	ENSG00000019991	15528975;
C479799	decrease	HIST2H4B	ENSG00000182217	15528975;
C479799	decrease	LDHA	ENSG00000134333	15528975;
C479799	decrease	MAPK9	ENSG00000050748	15528975;
C479799	decrease	PCDH1	ENSG00000156453	15528975;
C479799	decrease	POSTN	ENSG00000133110	15528975;
C479799	decrease	POU2F2	ENSG00000028277	15528975;
C479799	decrease	RAP1A	ENSG00000116473	15528975;
C479799	decrease	RHOD	ENSG00000173156	15528975;
C479799	decrease	SPTA1	ENSG00000163554	15528975;
C479799	decrease	TERT	ENSG00000164362	15528975;
C479799	decrease	TOP2A	ENSG00000131747	15528975;
C479799	decrease	VEGFA	ENSG00000112715	15528975;
C479799	increase	BTG2	ENSG00000159388	15528975;
C479799	increase	CDKN1A	ENSG00000124762	15528975;
C479799	increase	CPNE5	ENSG00000124772	15528975;
C479799	increase	CTGF	ENSG00000118523	15528975;
C479799	increase	EGR1	ENSG00000120738	15528975;
C479799	increase	GDF15	ENSG00000130513	15528975;
C479799	increase	TIMP1	ENSG00000102265	15528975;
C479799	increase	TP53I3	ENSG00000115129	15528975;
C480030	decrease	BCL2L1	ENSG00000171552	15930313;
C480030	decrease	BIRC2	ENSG00000110330	15930313;
C480030	decrease	NFKBIA	ENSG00000100906	15930313;
C480030	decrease	XIAP	ENSG00000101966	15930313;
C480030	increase	FAS	ENSG00000026103	15930313;
C480030	increase	HSP90AB1	ENSG00000096384	15930313;
C480030	increase	RALBP1	ENSG00000017797	15930313;
C480030	increase	TNFRSF10A	ENSG00000104689	15930313;
C480030	increase	TNFRSF10B	ENSG00000120889	15930313;
C480546	increase	CD1A	ENSG00000158477	16388738;
C480546	increase	CD80	ENSG00000121594	16388738;
C480546	increase	CD83	ENSG00000112149	16388738;
C480546	increase	CD86	ENSG00000114013	16388738;
C480848	increase	BIRC2	ENSG00000110330	18841906;
C480848	increase	BIRC3	ENSG00000023445	18841906;
C480848	increase	MMP9	ENSG00000100985	18841906;
C480848	increase	NOS2	ENSG00000007171	18841906;

C480848	increase	PTGS2	ENSG00000073756	18841906;
C480848	increase	TNF	ENSG00000223952	18841906;
C482199	affect	PPARG	ENSG00000132170	18485432;
C482199	increase	CCL2	ENSG00000108691	17880982;
C482199	increase	ICAM1	ENSG00000090339	17880982;
C482199	increase	IL8	ENSG00000169429	18485432;
C482199	increase	TNF	ENSG00000223952	17880982;
C482199	increase	VCAM1	ENSG00000162692	17880982;
C482205	increase	BAX	ENSG00000087088	16439685;16014563;
C482205	increase	BBC3	ENSG00000105327	16439685;16014563;
C482205	increase	CDKN1A	ENSG00000124762	16439685;16439677;16014563;19098008;
C482205	increase	DDB1	ENSG00000167986	16439677;
C482205	increase	EDN1	ENSG00000078401	19098008;
C482205	increase	GADD45A	ENSG00000116717	19098008;
C482205	increase	GDF15	ENSG00000130513	16439677;
C482205	increase	KITLG	ENSG00000049130	19098008;
C482205	increase	MDM2	ENSG00000135679	16439685;19098008;16014563;
C482205	increase	PCNA	ENSG00000132646	16439677;
C482205	increase	PMAIP1	ENSG00000141682	16014563;
C482205	increase	TNFRSF10B	ENSG00000120889	16439677;18092340;
C482205	increase	TP53	ENSG00000141510	16439685;16014563;19098008;18092340;16439677;
C482205	increase	TP53I3	ENSG00000115129	16439677;16439685;
C482205	increase	ZMAT3	ENSG00000172667	16439685;
C482267	increase	NOS3	ENSG00000164867	14508237;
C482378	decrease	BCL2	ENSG00000171791	16749867;
C482378	decrease	BCL2L1	ENSG00000171552	16749867;
C482378	increase	BAD	ENSG00000002330	16749867;
C482378	increase	BAX	ENSG00000087088	16749867;
C482402	decrease	FGFR3	ENSG00000068078	12963989;
C482492	affect	BAX	ENSG00000087088	15668717;
C482492	affect	BCL2	ENSG00000171791	15668717;
C482492	affect	TP53	ENSG00000141510	15668717;
C482884	decrease	BCL2	ENSG00000171791	16497706;
C482884	decrease	BID	ENSG00000015475	16497706;
C482884	decrease	CCNB1	ENSG00000134057	16497706;
C482884	decrease	CCND1	ENSG00000110092	16497706;
C482884	decrease	CCNE1	ENSG00000105173	16497706;
C482884	decrease	CDC25C	ENSG00000158402	16497706;
C482884	decrease	CDK1	ENSG00000170312	16497706;
C482884	decrease	CDK2	ENSG00000123374	16497706;
C482884	decrease	CDK4	ENSG00000135446	16497706;
C482884	decrease	CDK6	ENSG00000105810	16497706;
C482884	increase	BAX	ENSG00000087088	16497706;
C482884	increase	CDKN1B	ENSG00000111276	16497706;
C482884	increase	FADD	ENSG00000168040	16497706;
C482884	increase	FAS	ENSG00000026103	16497706;
C482884	increase	TNFSF10	ENSG00000121858	16497706;
C483321	increase	ABCB1	ENSG00000085563	18624906;
C483321	increase	ABCC2	ENSG00000023839	18624906;
C483321	increase	ABCC4	ENSG00000125257	18624906;
C483321	increase	ABCG2	ENSG00000118777	18624906;

C483321	increase	CCND1	ENSG00000110092	18624906;
C483321	increase	CTNNB1	ENSG00000168036	18624906;
C484027	decrease	ANXA2	ENSG00000182718	14668052;
C484027	decrease	LDHA	ENSG00000134333	14668052;
C484027	decrease	RXRA	ENSG00000186350	14668052;
C484027	increase	ALOX5	ENSG00000012779	14668052;
C484027	increase	BCL2A1	ENSG00000140379	14668052;
C484027	increase	CASP8	ENSG00000064012	14668052;
C484027	increase	CDO1	ENSG00000129596	14668052;
C484027	increase	DBF4	ENSG00000006634	14668052;
C484027	increase	DUSP1	ENSG00000120129	14668052;
C484027	increase	EDNRB	ENSG00000136160	14668052;
C484027	increase	EIF2S1	ENSG00000134001	14668052;
C484027	increase	ERCC1	ENSG00000012061	14668052;
C484027	increase	GINS1	ENSG00000101003	14668052;
C484027	increase	GMPS	ENSG00000163655	14668052;
C484027	increase	HSPA4	ENSG00000170606	14668052;
C484027	increase	HSPD1	ENSG00000144381	14668052;
C484027	increase	HYAL2	ENSG00000068001	14668052;
C484027	increase	MET	ENSG00000105976	14668052;
C484027	increase	MMP8	ENSG00000118113	14668052;
C484027	increase	MYC	ENSG00000136997	14668052;
C484027	increase	PFDN4	ENSG00000101132	14668052;
C484027	increase	POU2AF1	ENSG00000110777	14668052;
C484027	increase	POU2F2	ENSG00000028277	14668052;
C484027	increase	PTPRR	ENSG00000153233	14668052;
C484027	increase	RPL32	ENSG00000144713	14668052;
C484027	increase	TCEA2	ENSG00000171703	14668052;
C484327	decrease	BCL2	ENSG00000171791	14660655;
C484327	decrease	BCL2L2	ENSG00000129473	14660655;
C484919	increase	FSHB	ENSG00000131808	17190377;
C484919	increase	LHB	ENSG00000104826	17190377;
C485706	increase	VEGFA	ENSG00000112715	17010073;
C487081	increase	CDKN1A	ENSG00000124762	19234609;
C487081	increase	CLU	ENSG00000120885	19234609;
C487081	increase	MAGEA1	ENSG00000198681	19259094;
C487081	increase	MLH1	ENSG00000076242	19259094;
C487498	decrease	CNN1	ENSG00000130176	15380616;
C487498	decrease	TAGLN	ENSG00000149591	15380616;
C487498	increase	IL8	ENSG00000169429	17000667;
C487689	decrease	BIRC3	ENSG00000023445	16546985;
C487689	decrease	CCND1	ENSG00000110092	16546985;
C487689	decrease	CCND2	ENSG00000118971	16546985;
C487689	decrease	XIAP	ENSG00000101966	16546985;
C487689	increase	NFKBIA	ENSG00000100906	16546985;
C487928	increase	KLK3	ENSG00000142515	11580929;
C487928	increase	TFF1	ENSG00000160182	11580929;
C488176	increase	NGFR	ENSG00000064300	17447067;
C488234	decrease	ESRRA	ENSG00000173153	19464277;
C488234	decrease	PPARGC1A	ENSG00000109819	19464277;
C488623	increase	BAX	ENSG00000087088	16012788;
C488623	increase	TP53	ENSG00000141510	16012788;
C489023	decrease	CCND1	ENSG00000110092	15246556;
C489023	decrease	CCNE1	ENSG00000105173	15246556;

C489023	decrease	RB1	ENSG00000139687	15246556;
C490191	increase	MAPK14	ENSG00000112062	15963507;
C490191	increase	TP53	ENSG00000141510	15963507;
C490707	increase	CEACAM8	ENSG00000124469	15652230;
C490707	increase	IL1B	ENSG00000125538	15652230;
C490707	increase	IL8	ENSG00000169429	15652230;
C490707	increase	ITGAM	ENSG00000169896	15652230;
C490728	decrease	AKT1	ENSG00000142208	15665275;16091755;
C490728	decrease	BIRC5	ENSG00000089685	16091755;
C490728	decrease	CCND1	ENSG00000110092	15665275;
C490728	decrease	ERBB2	ENSG00000141736	15665275;16091755;
C490728	decrease	MAPK1	ENSG00000100030	16091755;
C490728	decrease	MAPK3	ENSG00000102882	16091755;
C490728	increase	CDKN1B	ENSG00000111276	15665275;
C492519	increase	DHCR24	ENSG00000116133	15585566;
C492651	increase	CYP1A1	ENSG00000140465	15377855;15355884;
C492719	increase	FOS	ENSG00000170345	12547826;
C492810	decrease	CDK4	ENSG00000135446	15733867;
C492810	decrease	CDKN1B	ENSG00000111276	15733867;
C492810	increase	CDKN1A	ENSG00000124762	15733867;
C492909	affect	SP1	ENSG00000185591	15345676;
C492909	affect	SP4	ENSG00000105866	15345676;
C492909	increase	CDKN1A	ENSG00000124762	15345676;
C494060	decrease	CYP17A1	ENSG00000148795	18336853;
C494620	decrease	MCL1	ENSG00000143384	15858615;
C494622	decrease	MCL1	ENSG00000143384	15858615;
C494622	decrease	XIAP	ENSG00000101966	15858615;
C494898	decrease	CCNA2	ENSG00000145386	16540676;
C494898	decrease	CDC25C	ENSG00000158402	16540676;
C494898	increase	CDKN1A	ENSG00000124762	16540676;
C494898	increase	TP53	ENSG00000141510	16540676;
C495287	decrease	PLAT	ENSG00000104368	16202731;
C495818	increase	CDKN1A	ENSG00000124762	18347191;18223691;
C496197	decrease	ABCA1	ENSG00000165029	17951470;
C496197	decrease	AIF1	ENSG00000235985	17951470;
C496197	decrease	ANLN	ENSG00000011426	17951470;
C496197	decrease	ASPM	ENSG00000066279	17951470;
C496197	decrease	BCAT1	ENSG00000060982	17951470;
C496197	decrease	BIRC5	ENSG00000089685	17951470;
C496197	decrease	BLM	ENSG00000197299	17951470;
C496197	decrease	BUB1B	ENSG00000156970	17951470;
C496197	decrease	CCNE2	ENSG00000175305	17951470;
C496197	decrease	CDC25B	ENSG00000101224	17951470;
C496197	decrease	CDC7	ENSG00000097046	17951470;
C496197	decrease	CDK1	ENSG00000170312	17951470;
C496197	decrease	CDK2	ENSG00000123374	17951470;
C496197	decrease	CDK4	ENSG00000135446	17951470;
C496197	decrease	CDKN2C	ENSG00000123080	17951470;
C496197	decrease	CDKN3	ENSG00000100526	17951470;
C496197	decrease	CENPA	ENSG00000115163	17951470;
C496197	decrease	CENPE	ENSG00000138778	17951470;
C496197	decrease	CENPF	ENSG00000117724	17951470;
C496197	decrease	CLDN1	ENSG00000163347	16650747;
C496197	decrease	CSRP2	ENSG00000175183	17951470;

C496197	decrease	DDX11	ENSG00000013573	17951470;
C496197	decrease	DNASE1	ENSG00000213918	17951470;
C496197	decrease	E2F7	ENSG00000165891	17951470;
C496197	decrease	E2F8	ENSG00000129173	17951470;
C496197	decrease	EMP2	ENSG00000213853	17951470;
C496197	decrease	EZH2	ENSG00000106462	17951470;
C496197	decrease	FEN1	ENSG00000168496	17951470;
C496197	decrease	FGA	ENSG00000171560	17951470;
C496197	decrease	FGB	ENSG00000171564	17951470;
C496197	decrease	FGG	ENSG00000171557	17951470;
C496197	decrease	G0S2	ENSG00000123689	17951470;
C496197	decrease	GAS2	ENSG00000148935	17951470;
C496197	decrease	GIN51	ENSG00000101003	17951470;
C496197	decrease	GIN52	ENSG00000131153	17951470;
C496197	decrease	GTSE1	ENSG00000075218	17951470;
C496197	decrease	HIRIP3	ENSG00000149929	17951470;
C496197	decrease	HMGB2	ENSG00000164104	17951470;
C496197	decrease	KCNMA1	ENSG00000156113	17951470;
C496197	decrease	KIF11	ENSG00000138160	17951470;
C496197	decrease	KIF15	ENSG00000163808	17951470;
C496197	decrease	KIF2C	ENSG00000142945	17951470;
C496197	decrease	KITLG	ENSG00000049130	17951470;
C496197	decrease	MCM2	ENSG00000073111	17951470;
C496197	decrease	MCM4	ENSG00000104738	17951470;
C496197	decrease	MCM7	ENSG00000166508	17951470;
C496197	decrease	MKI67	ENSG00000148773	17951470;
C496197	decrease	MSH2	ENSG00000095002	17951470;
C496197	decrease	MSH6	ENSG00000116062	17951470;
C496197	decrease	MYBL2	ENSG00000101057	17951470;
C496197	decrease	NASP	ENSG00000132780	17951470;
C496197	decrease	NCAPG	ENSG00000109805	17951470;
C496197	decrease	NCK2	ENSG00000071051	17951470;
C496197	decrease	NEIL3	ENSG00000109674	17951470;
C496197	decrease	NEK2	ENSG00000117650	17951470;
C496197	decrease	PBK	ENSG00000168078	17951470;
C496197	decrease	PDGFRA	ENSG00000134853	17951470;
C496197	decrease	PLK1	ENSG00000166851	17951470;
C496197	decrease	PLK4	ENSG00000142731	17951470;
C496197	decrease	POLA2	ENSG00000014138	17951470;
C496197	decrease	POLD3	ENSG00000077514	17951470;
C496197	decrease	POLE2	ENSG00000100479	17951470;
C496197	decrease	POLQ	ENSG00000051341	17951470;
C496197	decrease	PRC1	ENSG00000198901	17951470;
C496197	decrease	RAD51AP1	ENSG00000111247	17951470;
C496197	decrease	RAD51C	ENSG00000108384	17951470;
C496197	decrease	RARRES1	ENSG00000118849	17951470;
C496197	decrease	RFC3	ENSG00000133119	17951470;
C496197	decrease	RFC5	ENSG00000111445	17951470;
C496197	decrease	RNASEH2A	ENSG00000104889	17951470;
C496197	decrease	RRM2	ENSG00000171848	17951470;
C496197	decrease	SASH1	ENSG00000111961	17951470;
C496197	decrease	SESN1	ENSG00000080546	17951470;
C496197	decrease	SESN3	ENSG00000149212	17951470;
C496197	decrease	SI	ENSG00000090402	17951470;

C496197	decrease	SKP2	ENSG00000145604	17951470;
C496197	decrease	SMC4	ENSG00000113810	17951470;
C496197	decrease	SSTR1	ENSG00000139874	17951470;
C496197	decrease	TCF7L1	ENSG00000152284	17951470;
C496197	decrease	TGFB1	ENSG00000120708	17951470;
C496197	decrease	TK1	ENSG00000167900	17951470;
C496197	decrease	TOP2A	ENSG00000131747	17951470;
C496197	decrease	TPX2	ENSG00000088325	17951470;
C496197	decrease	TTK	ENSG00000112742	17951470;
C496197	decrease	UHRF1	ENSG00000034063	17951470;
C496197	decrease	ZFP36L2	ENSG00000152518	17951470;
C496197	increase	AREG	ENSG00000205595	17951470;
C496197	increase	ARHGEF2	ENSG00000116584	17951470;
C496197	increase	BRF2	ENSG00000104221	17951470;
C496197	increase	CDKN1A	ENSG00000124762	17951470;
C496197	increase	CDKN1C	ENSG00000129757	17951470;
C496197	increase	CDKN2B	ENSG00000147883	17951470;
C496197	increase	CLDN4	ENSG00000189143	17951470;16650747;
C496197	increase	CREB3L3	ENSG00000060566	17951470;
C496197	increase	CRIP1	ENSG00000213145	17951470;
C496197	increase	DUSP1	ENSG00000120129	17951470;
C496197	increase	DUSP6	ENSG00000139318	17951470;
C496197	increase	EGF	ENSG00000138798	17951470;
C496197	increase	EMP1	ENSG00000134531	17951470;
C496197	increase	ENPP7	ENSG00000182156	17951470;
C496197	increase	EREG	ENSG00000124882	17951470;
C496197	increase	FABP6	ENSG00000170231	17951470;
C496197	increase	GPNMB	ENSG00000136235	17951470;
C496197	increase	HBEGF	ENSG00000113070	17951470;
C496197	increase	HK2	ENSG00000159399	17951470;
C496197	increase	HMGA1	ENSG00000137309	17951470;
C496197	increase	HMGA2	ENSG00000149948	17951470;
C496197	increase	IFITM1	ENSG00000185885	17951470;
C496197	increase	INSIG1	ENSG00000186480	17951470;
C496197	increase	ISG20	ENSG00000172183	17951470;
C496197	increase	JAG1	ENSG00000101384	17951470;
C496197	increase	KLF4	ENSG00000136826	17951470;
C496197	increase	MAP2K5	ENSG00000137764	17951470;
C496197	increase	MAPRE3	ENSG00000084764	17951470;
C496197	increase	MXD1	ENSG00000059728	17951470;
C496197	increase	MXI1	ENSG00000119950	17951470;
C496197	increase	MYC	ENSG00000136997	17951470;
C496197	increase	OCLN	ENSG00000197822	16650747;
C496197	increase	POLD4	ENSG00000175482	17951470;
C496197	increase	POLR3D	ENSG00000168495	17951470;
C496197	increase	PPARG	ENSG00000132170	17951470;
C496197	increase	RECQL	ENSG00000004700	17951470;
C496197	increase	RGS2	ENSG00000116741	17951470;
C496197	increase	RHOB	ENSG00000143878	17951470;
C496197	increase	S100G	ENSG00000169906	17951470;
C496197	increase	SFN	ENSG00000175793	17951470;
C496197	increase	SLC22A4	ENSG00000197208	17951470;
C496197	increase	SLC29A2	ENSG00000174669	17951470;
C496197	increase	TJP1	ENSG00000104067	16650747;

C496197	increase	TM4SF4	ENSG00000169903	17951470;
C496197	increase	TP53INP2	ENSG00000078804	17951470;
C496197	increase	UCHL1	ENSG00000154277	17951470;
C496197	increase	VDR	ENSG00000111424	17951470;
C496197	increase	YWHAH	ENSG00000128245	17951470;
C496751	decrease	BCL2	ENSG00000171791	17145897;
C496751	decrease	CCND1	ENSG00000110092	17387344;17145897;
C496751	decrease	CDK4	ENSG00000135446	17145897;
C496751	decrease	ERBB2	ENSG00000141736	17145897;
C496751	decrease	NCOA3	ENSG00000124151	17145897;
C496751	increase	BAD	ENSG00000002330	17387344;17145897;
C496751	increase	BAX	ENSG00000087088	17145897;
C496751	increase	ESR1	ENSG00000091831	17145897;17387344;
C496751	increase	KRT18	ENSG00000111057	17387344;17145897;
C496751	increase	KRT8	ENSG00000170421	17387344;17145897;
C496879	decrease	SLC2A1	ENSG00000117394	15695405;
C496879	decrease	VEGFA	ENSG00000112715	15695405;
C496879	increase	HIF1A	ENSG00000100644	15695405;
C497101	decrease	CCND3	ENSG00000112576	16027227;
C497101	decrease	CDK2	ENSG00000123374	16027227;
C497101	decrease	CDK4	ENSG00000135446	16027227;
C497101	decrease	E2F1	ENSG00000101412	16027227;
C497101	increase	CCND1	ENSG00000110092	16027227;
C497101	increase	CCNE1	ENSG00000105173	16027227;
C497103	decrease	BCL2L1	ENSG00000171552	16009488;
C497103	decrease	CCNB1	ENSG00000134057	16009488;
C497103	decrease	MCL1	ENSG00000143384	16009488;
C497103	increase	CCND2	ENSG00000118971	16009488;
C497103	increase	CDKN1A	ENSG00000124762	16009488;
C498475	decrease	AR	ENSG00000169083	15547720;
C498475	decrease	CCND1	ENSG00000110092	15547720;
C498475	decrease	CCNE1	ENSG00000105173	15547720;
C498475	decrease	KLK3	ENSG00000142515	15547720;
C498475	increase	CDKN1B	ENSG00000111276	15547720;
C499403	increase	PGR	ENSG00000082175	16323292;
C499404	increase	PGR	ENSG00000082175	16323292;15541416;
C499404	increase	TFF1	ENSG00000160182	15541416;
C499814	decrease	CCND1	ENSG00000110092	17516867;
C499814	decrease	CDK1	ENSG00000170312	17516867;
C499814	decrease	KLK3	ENSG00000142515	17516867;
C499827	increase	HMOX1	ENSG00000100292	19683516;
C499970	decrease	BCL2	ENSG00000171791	15547680;
C499970	decrease	BIRC2	ENSG00000110330	15547680;
C499970	increase	BAX	ENSG00000087088	15547680;
C500218	decrease	IL10	ENSG00000136634	15658607;
C500218	decrease	IL1B	ENSG00000125538	15658607;
C500218	decrease	IL6	ENSG00000136244	15658607;
C500218	decrease	TNF	ENSG00000223952	15658607;
C500218	increase	IL4	ENSG00000113520	15658607;
C500344	decrease	KDR	ENSG00000128052	17426705;
C500344	decrease	MKI67	ENSG00000148773	17426705;
C500810	decrease	XIAP	ENSG00000101966	16322690;
C501280	decrease	BCL2L1	ENSG00000171552	15756023;
C501280	decrease	BIRC2	ENSG00000110330	15756023;

C501280	decrease	CCND1	ENSG00000110092	15756023;
C501280	decrease	XIAP	ENSG00000101966	15756023;
C501517	increase	HSPA8	ENSG00000109971	19763263;
C501517	increase	IDH3A	ENSG00000166411	19763263;
C501517	increase	LDHB	ENSG00000111716	19763263;
C501517	increase	PDHB	ENSG00000168291	19763263;
C501517	increase	PDIA3	ENSG00000167004	19763263;
C501520	increase	BIRC2	ENSG00000110330	19596284;
C501520	increase	BIRC3	ENSG00000023445	19596284;
C502230	decrease	KLK3	ENSG00000142515	16928829;
C502471	increase	CDKN1A	ENSG00000124762	16826403;
C503118	decrease	IL5	ENSG00000113525	15821026;
C503119	affect	CDC25C	ENSG00000158402	16179969;
C503119	decrease	CCNA2	ENSG00000145386	16179969;
C503119	increase	CCNB1	ENSG00000134057	16179969;
C503536	decrease	CCNA2	ENSG00000145386	15202011;
C503536	decrease	CCND1	ENSG00000110092	15202011;
C503536	decrease	CCNE1	ENSG00000105173	15202011;
C503536	decrease	CDK2	ENSG00000123374	15202011;
C503536	decrease	CDK4	ENSG00000135446	15202011;
C503536	decrease	CDK6	ENSG00000105810	15202011;
C503536	decrease	RB1	ENSG00000139687	15202011;
C503536	increase	CDKN1A	ENSG00000124762	15202011;
C503643	affect	CDC25C	ENSG00000158402	16179969;
C503643	affect	MAPK8	ENSG00000107643	16179969;
C503643	decrease	CCNA2	ENSG00000145386	16179969;
C503643	increase	CCNB1	ENSG00000134057	16179969;
C504517	increase	ABCA1	ENSG00000165029	16107141;
C504517	increase	SREBF1	ENSG00000072310	16107141;
C506002	decrease	BCL2	ENSG00000171791	16163705;
C506002	decrease	BCL2L1	ENSG00000171552	16163705;
C506002	decrease	BIRC2	ENSG00000110330	16163705;
C506002	decrease	CCND1	ENSG00000110092	16163705;
C506002	decrease	CCND3	ENSG00000112576	16163705;
C506002	decrease	CDK4	ENSG00000135446	16163705;
C506002	decrease	CDK6	ENSG00000105810	16163705;
C506002	decrease	PCNA	ENSG00000132646	16163705;
C506002	increase	BAD	ENSG00000002330	16163705;
C506002	increase	BAX	ENSG00000087088	16163705;
C506002	increase	CDKN1A	ENSG00000124762	16163705;
C506002	increase	CDKN1B	ENSG00000111276	16163705;
C506002	increase	FAS	ENSG00000026103	16163705;
C506002	increase	FASLG	ENSG00000117560	16163705;
C506606	decrease	BIRC5	ENSG00000089685	16170024;
C506698	decrease	BIRC5	ENSG00000089685	16707021;16123214;
C507164	decrease	MMP1	ENSG00000196611	16055107;
C507164	increase	ELN	ENSG00000049540	16055107;
C507164	increase	FBN1	ENSG00000166147	16055107;
C507553	increase	CDKN1A	ENSG00000124762	19091749;
C507553	increase	HIF1A	ENSG00000100644	19091749;
C507553	increase	SLC2A1	ENSG00000117394	19091749;
C507553	increase	VEGFA	ENSG00000112715	19091749;
C508075	increase	IFNG	ENSG00000111537	18490488;
C508075	increase	IL12A	ENSG00000168811	18490488;

C508075	increase	IL12B	ENSG00000113302	18490488;
C508075	increase	IL23A	ENSG00000110944	18490488;
C508178	increase	IL8	ENSG00000169429	12207893;
C508178	increase	TNF	ENSG00000223952	12207893;
C508406	decrease	ERBB2	ENSG00000141736	16393665;
C508406	increase	ESR1	ENSG00000091831	17603182;16393665;
C508406	increase	PDZK1	ENSG00000174827	16393665;
C508406	increase	PGR	ENSG00000082175	16393665;
C508406	increase	TFF1	ENSG00000160182	16393665;
C508470	decrease	NR5A2	ENSG00000116833	16357189;
C508490	increase	BBC3	ENSG00000105327	16432175;
C508490	increase	CDKN1A	ENSG00000124762	16432175;
C508490	increase	MDM2	ENSG00000135679	16432175;
C508490	increase	TP53I3	ENSG00000115129	16432175;
C508967	increase	CYP1A2	ENSG00000140505	19034627;
C509204	increase	BAD	ENSG00000002330	16413505;
C509204	increase	CDKN1A	ENSG00000124762	16413505;
C509204	increase	TP53	ENSG00000141510	16413505;
C509288	increase	CYP11B1	ENSG00000160882	16396990;
C509288	increase	CYP11B2	ENSG00000179142	16396990;
C509288	increase	CYP1A1	ENSG00000140465	16396990;19794518;
C509288	increase	CYP1B1	ENSG00000138061	16530937;19794518;17637178;
C510003	decrease	CFL1	ENSG00000172757	18232056;
C510003	decrease	EIF5A	ENSG00000132507	18232056;
C510003	decrease	PCNA	ENSG00000132646	18232056;
C510003	decrease	PRDX1	ENSG00000117450	18232056;
C510003	decrease	VIM	ENSG00000026025	18232056;
C510003	increase	CXCL12	ENSG00000107562	17415525;
C510003	increase	CXCR4	ENSG00000121966	17415525;
C510003	increase	ENO1	ENSG00000074800	18232056;
C510003	increase	GAPDH	ENSG00000111640	18232056;
C510003	increase	GFAP	ENSG00000131095	18232056;
C510003	increase	GSTP1	ENSG00000084207	18232056;
C510003	increase	IL8	ENSG00000169429	17415525;
C510003	increase	VEGFA	ENSG00000112715	17415525;17377739;
C510621	decrease	BAD	ENSG00000002330	16170020;
C510621	decrease	BIRC5	ENSG00000089685	16170020;
C510621	decrease	GSK3B	ENSG00000082701	16170020;
C511292	increase	CRP	ENSG00000132693	16982228;
C511292	increase	SERPINA6	ENSG00000170099	16982228;
C511292	increase	SERPINA7	ENSG00000123561	16982228;
C511292	increase	SHBG	ENSG00000129214	16982228;
C511402	affect	BCL2	ENSG00000171791	12587719;
C511402	affect	MYC	ENSG00000136997	12587719;
C511402	affect	TP53	ENSG00000141510	12587719;
C511704	affect	ITPR1	ENSG00000150995	17241155;
C511766	affect	PGR	ENSG00000082175	9144411;
C512273	increase	CDKN1A	ENSG00000124762	18347191;
C512910	increase	CYP1A2	ENSG00000140505	15672752;
C513485	decrease	CDKN1A	ENSG00000124762	16039525;
C513485	decrease	CDKN1B	ENSG00000111276	16039525;
C513485	decrease	SKP2	ENSG00000145604	16039525;
C514580	affect	TP53	ENSG00000141510	17341627;

C514580	increase	BCL2	ENSG00000171791	17341627;
C514580	increase	CDKN1A	ENSG00000124762	17341627;
C514835	decrease	ABCB1	ENSG00000085563	15378274;
C516024	decrease	AKT1	ENSG00000142208	17289836;
C516024	decrease	BCL2	ENSG00000171791	17289836;
C516024	decrease	BCL2L1	ENSG00000171552	17289836;
C516024	decrease	RELA	ENSG00000173039	17289836;
C516024	decrease	XIAP	ENSG00000101966	17289836;
C516216	increase	NR0B2	ENSG00000131910	17154495;
C516216	increase	NR5A2	ENSG00000116833	17154495;
C516322	decrease	SRC	ENSG00000197122	16600465;
C516322	increase	HSPA8	ENSG00000109971	16600465;
C516519	decrease	PLAT	ENSG00000104368	15157790;
C516519	decrease	SERPINE1	ENSG00000106366	15157790;
C516519	increase	F7	ENSG00000057593	15157790;
C516519	increase	PLG	ENSG00000122194	15157790;
C517629	affect	APP	ENSG00000142192	17287498;
C517975	increase	CDKN1A	ENSG00000124762	19422044;
C518327	decrease	NAT1	ENSG00000171428	16314733;
C518368	decrease	BCL2	ENSG00000171791	17352252;
C518368	decrease	CCNB1	ENSG00000134057	17352252;
C518368	increase	CDKN1A	ENSG00000124762	17352252;
C519899	decrease	BCL2L1	ENSG00000171552	18182997;
C519899	decrease	BIRC5	ENSG00000089685	18182997;
C519899	decrease	NFKBIA	ENSG00000100906	18182997;
C521787	decrease	KLK3	ENSG00000142515	17499997;
C522803	increase	TP53	ENSG00000141510	17285121;
C524042	decrease	ARNT	ENSG00000143437	18682687;
C524042	decrease	HIF1A	ENSG00000100644	18682687;
C524042	decrease	VHL	ENSG00000134086	18682687;
C524063	increase	BCL2	ENSG00000171791	18325115;
C524063	increase	F3	ENSG00000117525	18325115;
C524063	increase	F7	ENSG00000057593	18325115;
C524947	decrease	BAX	ENSG00000087088	15369734;
C524947	decrease	BCL2	ENSG00000171791	15369734;
C526145	decrease	CFLAR	ENSG00000003402	16868541;
C526145	increase	MAPK8	ENSG00000107643	16868541;
C526219	decrease	CTNNB1	ENSG00000168036	16968061;
C526219	decrease	EPHX1	ENSG00000143819	16369997;
C526219	increase	ABCC1	ENSG00000103222	18351577;
C526219	increase	ABCC2	ENSG00000023839	18351577;
C526219	increase	CASP10	ENSG00000003400	18351577;
C526219	increase	CHST3	ENSG00000122863	18351577;
C526219	increase	CHST5	ENSG00000135702	16369997;
C526219	increase	CHST6	ENSG00000183196	16369997;
C526219	increase	CHST7	ENSG00000147119	16369997;
C526219	increase	CYP24A1	ENSG00000019186	18351577;
C526219	increase	CYP4F3	ENSG00000186529	16369997;
C526219	increase	EPO	ENSG00000130427	18351577;
C526219	increase	GSK3B	ENSG00000082701	16968061;
C526219	increase	GSTA4	ENSG00000170899	18351577;
C526219	increase	GSTP1	ENSG00000084207	16369997;
C526219	increase	GSTT2	ENSG00000133433	18351577;16369997;
C526219	increase	MGST2	ENSG00000085871	16369997;

C526219	increase	NFKB2	ENSG00000077150	18351577;
C526219	increase	NFKBIB	ENSG00000104825	18351577;
C526219	increase	PTPN6	ENSG00000111679	18351577;
C526219	increase	PTPRJ	ENSG00000149177	18351577;
C526219	increase	TGFA	ENSG00000163235	18351577;
C526219	increase	UGT2B7	ENSG00000171234	18351577;
C526437	decrease	BIRC5	ENSG00000089685	19846905;
C526437	decrease	XIAP	ENSG00000101966	19846905;
C526438	decrease	BIRC5	ENSG00000089685	19846905;
C526438	decrease	XIAP	ENSG00000101966	19846905;
C526438	increase	CCNB1	ENSG00000134057	18223236;
C527236	decrease	BCL2L1	ENSG00000171552	19148494;
C527236	increase	CASP3	ENSG00000164305	19148494;
C527236	increase	CDKN1A	ENSG00000124762	19148494;
C527236	increase	CDKN2B	ENSG00000147883	19148494;
C527236	increase	MMP9	ENSG00000100985	19148494;
C527236	increase	NR4A1	ENSG00000123358	19148494;
C528002	decrease	BCL2	ENSG00000171791	18205257;18161298;17498489;
C528002	decrease	PCNA	ENSG00000132646	18205257;18161298;
C528002	decrease	ROD1	ENSG00000119314	18205257;18161298;
C528002	decrease	RUFY3	ENSG00000018189	18205257;18161298;
C528002	decrease	STAT3	ENSG00000168610	18205257;18161298;17498489;
C529061	affect	BBC3	ENSG00000105327	18424558;
C529061	affect	CDKN1A	ENSG00000124762	18424558;
C529061	affect	TP53	ENSG00000141510	18424558;
C529061	affect	TP73	ENSG00000078900	18424558;
C530804	increase	CDKN1A	ENSG00000124762	19497413;
C530804	increase	CDKN1B	ENSG00000111276	19497413;
C530804	increase	NOS2	ENSG00000007171	19497413;
C530804	increase	TP53	ENSG00000141510	19497413;
C531389	affect	CCL2	ENSG00000108691	18489909;
C531389	affect	ICAM1	ENSG00000090339	18489909;
C531389	decrease	PTGS2	ENSG00000073756	14988445;
C531389	increase	TNF	ENSG00000223952	18489909;17880982;
C531389	increase	VCAM1	ENSG00000162692	18489909;17880982;
C531975	increase	TNF	ENSG00000223952	18602074;
C531975	increase	VCAM1	ENSG00000162692	18602074;
C533894	decrease	AMIGO2	ENSG00000139211	16951191;
C533894	decrease	BARD1	ENSG00000138376	16951191;
C533894	decrease	BLM	ENSG00000197299	16951191;
C533894	decrease	BMP7	ENSG00000101144	16951191;
C533894	decrease	CAV1	ENSG00000105974	16951191;
C533894	decrease	CAV2	ENSG00000105971	16951191;
C533894	decrease	CCNA2	ENSG00000145386	16951191;
C533894	decrease	CCND1	ENSG00000110092	16951191;
C533894	decrease	CRABP2	ENSG00000143320	16951191;
C533894	decrease	CXCL12	ENSG00000107562	16951191;
C533894	decrease	ECT2	ENSG00000114346	16951191;
C533894	decrease	ENTPD5	ENSG00000187097	16951191;
C533894	decrease	FGFR3	ENSG00000068078	16951191;
C533894	decrease	G6PD	ENSG00000160211	16951191;
C533894	decrease	GPER	ENSG00000164850	16951191;

C533894	decrease	GREB1	ENSG00000196208	16951191;
C533894	decrease	HMMR	ENSG00000072571	16951191;
C533894	decrease	IRS1	ENSG00000169047	16951191;
C533894	decrease	LYPD3	ENSG00000124466	16951191;
C533894	decrease	MAFB	ENSG00000204103	16951191;
C533894	decrease	MSX2	ENSG00000120149	16951191;
C533894	decrease	MYB	ENSG00000118513	16951191;
C533894	decrease	MYBL1	ENSG00000185697	16951191;
C533894	decrease	NAT1	ENSG00000171428	16951191;
C533894	decrease	PBX3	ENSG00000167081	16951191;
C533894	decrease	PDLIM2	ENSG00000120913	16951191;
C533894	decrease	PHLDA2	ENSG00000181649	16951191;
C533894	decrease	PIK3R1	ENSG00000145675	16951191;
C533894	decrease	PTTG1	ENSG00000164611	16951191;
C533894	decrease	RET	ENSG00000165731	16951191;
C533894	decrease	SFN	ENSG00000175793	16951191;
C533894	decrease	SPDEF	ENSG00000124664	16951191;
C533894	decrease	TFF3	ENSG00000160180	16951191;
C533894	decrease	TOB1	ENSG00000141232	16951191;
C533894	decrease	VAV3	ENSG00000134215	16951191;
C533894	increase	ATF3	ENSG00000162772	16951191;
C533894	increase	BATF	ENSG00000156127	16951191;
C533894	increase	BTG1	ENSG00000133639	16951191;
C533894	increase	BTG2	ENSG00000159388	16951191;
C533894	increase	C13ORF15	ENSG00000102760	16951191;
C533894	increase	CDKN2B	ENSG00000147883	16951191;
C533894	increase	CEACAM1	ENSG00000079385	16951191;
C533894	increase	CLU	ENSG00000120885	16951191;
C533894	increase	CXCR4	ENSG00000121966	16951191;
C533894	increase	DDIT3	ENSG00000175197	16951191;
C533894	increase	EDN1	ENSG00000078401	16951191;
C533894	increase	EI24	ENSG00000149547	16951191;
C533894	increase	ELF3	ENSG00000163435	16951191;
C533894	increase	FBLN5	ENSG00000140092	16951191;
C533894	increase	FGF13	ENSG00000129682	16951191;
C533894	increase	FGFR2	ENSG00000066468	16951191;
C533894	increase	FOXO3	ENSG00000118689	16951191;
C533894	increase	GADD45G	ENSG00000130222	16951191;
C533894	increase	GDF15	ENSG00000130513	16951191;
C533894	increase	GSN	ENSG00000148180	16951191;
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C533894	increase	HOXA1	ENSG00000105991	16951191;
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C533894	increase	IGFBP3	ENSG00000146674	16951191;
C533894	increase	IGFBP6	ENSG00000167779	16951191;
C533894	increase	IL8	ENSG00000169429	16951191;
C533894	increase	IRF1	ENSG00000125347	16951191;
C533894	increase	JAG1	ENSG00000101384	16951191;
C533894	increase	JUN	ENSG00000177606	16951191;
C533894	increase	KLF6	ENSG00000067082	16951191;
C533894	increase	LIMA1	ENSG00000050405	16951191;
C533894	increase	LYN	ENSG00000249529	16951191;
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C533894	increase	MDM2	ENSG00000135679	16951191;

C533894	increase	MITF	ENSG00000187098	16951191;
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C533894	increase	SOD2	ENSG00000112096	16951191;
C533894	increase	SULF1	ENSG00000137573	16951191;
C533894	increase	TGFA	ENSG00000163235	16951191;
C533894	increase	TGFBI	ENSG00000120708	16951191;
C533894	increase	TGM2	ENSG00000198959	16951191;
C533894	increase	UBD	ENSG00000213886	16951191;
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C534043	decrease	NOS2	ENSG00000007171	18927491;
C534043	decrease	PTGS2	ENSG00000073756	18927491;
C534305	increase	RHOA	ENSG00000067560	12671036;
C534305	increase	RHOB	ENSG00000143878	12671036;
C534317	increase	RAP1A	ENSG00000116473	12671036;
C534317	increase	RHOA	ENSG00000067560	12671036;
C534317	increase	RHOB	ENSG00000143878	12671036;
C539236	increase	IL1B	ENSG00000125538	18854230;
C539236	increase	IL4	ENSG00000113520	18854230;
C540278	decrease	KLK3	ENSG00000142515	19359544;
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D000001	increase	DDIT3	ENSG00000175197	11360202;19428936;
D000001	increase	HDC	ENSG00000140287	17191106;
D000001	increase	HSPA5	ENSG00000044574	19428936;
D000001	increase	IFNG	ENSG00000111537	14994387;
D000001	increase	IL13	ENSG00000169194	12789233;
D000001	increase	IL18R1	ENSG00000115604	14994387;
D000001	increase	IL1B	ENSG00000125538	18958421;17588137;15705740;
D000001	increase	IL4	ENSG00000113520	12789233;11861792;16601352;18325701;
D000001	increase	IL5	ENSG00000113525	12789233;12797483;18325701;
D000001	increase	IL6	ENSG00000136244	11238657;12789233;17191106;18958421;17588137;
D000001	increase	IL8	ENSG00000169429	17000667;12789233;16134060;18958421;17588137;15286717;
D000001	increase	RELA	ENSG00000173039	17588137;18958421;11360202;
D000001	increase	TNF	ENSG00000223952	16134060;18958421;17588137;
D000079	affect	IL10	ENSG00000136634	15698409;
D000079	affect	ITPR1	ENSG00000150995	17241155;
D000079	decrease	BCL2	ENSG00000171791	16814256;
D000079	decrease	COL4A1	ENSG00000187498	8135774;

D000079	decrease	HAMP	ENSG00000105697	16737972;
D000079	decrease	MMP1	ENSG00000196611	7934638;
D000079	increase	ADIPOQ	ENSG00000181092	16814256;
D000079	increase	BAX	ENSG00000087088	16814256;
D000079	increase	CCL2	ENSG00000108691	18716790;17050345;
D000079	increase	CCR2	ENSG00000121807	19036374;
D000079	increase	COL1A1	ENSG00000108821	17030193;
D000079	increase	COL1A2	ENSG00000164692	11343241;16025520;
D000079	increase	CYBB	ENSG00000165168	18845238;
D000079	increase	DDIT3	ENSG00000175197	12612910;
D000079	increase	FANCD2	ENSG00000144554	18482162;
D000079	increase	FN1	ENSG00000115414	11343241;8135774;
D000079	increase	IL1B	ENSG00000125538	18716790;17050345;11344824;
D000079	increase	IL4	ENSG00000113520	15698409;
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D000079	increase	IL8	ENSG00000169429	18716790;14619338;11344824;15698409;
D000079	increase	JUN	ENSG00000177606	10799556;11978551;
D000079	increase	MAPK1	ENSG00000100030	11343241;17030193;14722101;
D000079	increase	MAPK3	ENSG00000102882	11343241;17030193;14722101;
D000079	increase	MMP11	ENSG00000099953	11978551;
D000079	increase	MMP2	ENSG00000087245	7934638;
D000079	increase	MMP9	ENSG00000100985	19110045;
D000079	increase	NOS2	ENSG00000007171	18845238;
D000079	increase	PPARG	ENSG00000132170	17030193;
D000079	increase	PRKCD	ENSG00000163932	17030193;
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D000079	increase	PTGS2	ENSG00000073756	18716790;19110045;17050345;
D000079	increase	SELP	ENSG00000174175	19036374;
D000079	increase	SMAD3	ENSG00000166949	16025520;
D000079	increase	SMAD4	ENSG00000141646	16025520;
D000079	increase	SP1	ENSG00000185591	16025520;
D000079	increase	SPP1	ENSG00000118785	18703563;
D000079	increase	SREBF1	ENSG00000072310	12612910;
D000079	increase	TGFB1	ENSG00000105329	16025520;8135774;
D000079	increase	TNF	ENSG00000223952	18716790;11344824;19036374;17050345;
D000079	increase	XDH	ENSG00000158125	18845238;
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D000082	affect	CDKN1A	ENSG00000124762	11896290;
D000082	affect	FOS	ENSG00000170345	11896290;
D000082	affect	MCL1	ENSG00000143384	11896290;
D000082	decrease	ACAT2	ENSG00000120437	11793227;
D000082	decrease	ALDH18A1	ENSG00000059573	11793227;
D000082	decrease	ANG	ENSG00000214274	11793227;
D000082	decrease	ATP5J2	ENSG00000241468	11793227;
D000082	decrease	BNIP3	ENSG00000176171	17093179;
D000082	decrease	CALU	ENSG00000128595	11793227;
D000082	decrease	CD2	ENSG00000116824	17093179;
D000082	decrease	CD69	ENSG00000110848	17093179;
D000082	decrease	CDK4	ENSG00000135446	11793227;

D000082	decrease	CYC1	ENSG00000179091	11793227;
D000082	decrease	DAD1	ENSG00000129562	11793227;
D000082	decrease	GLRX	ENSG00000173221	11793227;
D000082	decrease	GLT8D1	ENSG00000016864	11793227;
D000082	decrease	GLUD1	ENSG00000148672	11793227;
D000082	decrease	GSTO1	ENSG00000148834	11793227;
D000082	decrease	GZMA	ENSG00000145649	17093179;
D000082	decrease	KLRD1	ENSG00000134539	17093179;
D000082	decrease	KLRF1	ENSG00000150045	17093179;
D000082	decrease	LDHA	ENSG00000134333	11793227;
D000082	decrease	LDHB	ENSG00000111716	17093179;
D000082	decrease	LEF1	ENSG00000138795	17093179;
D000082	decrease	MAL	ENSG00000172005	17093179;
D000082	decrease	MGST1	ENSG00000008394	11793227;
D000082	decrease	MOAP1	ENSG00000165943	17093179;
D000082	decrease	NFKBIA	ENSG00000100906	17093179;
D000082	decrease	PDCD4	ENSG00000150593	17093179;
D000082	decrease	POMC	ENSG00000115138	16449370;
D000082	decrease	PRELID1	ENSG00000169230	11793227;
D000082	decrease	PRKCH	ENSG00000027075	17093179;
D000082	decrease	PRKCQ	ENSG00000065675	17093179;
D000082	decrease	PSME3	ENSG00000131467	11793227;
D000082	decrease	PTGS1	ENSG000000095303	16141368;17045584;11113024;15263079;17175104;
D000082	decrease	RASGRP1	ENSG00000172575	17093179;
D000082	decrease	RPS6KA3	ENSG00000177189	11793227;
D000082	decrease	SCFD1	ENSG000000249037	11793227;
D000082	decrease	SCP2	ENSG000000251612	17093179;
D000082	decrease	SEC13	ENSG00000157020	11793227;
D000082	decrease	SEC23A	ENSG00000100934	11793227;
D000082	decrease	SERPINA6	ENSG00000170099	11793227;
D000082	decrease	SFRS1	ENSG00000136450	11793227;
D000082	decrease	SQLE	ENSG00000104549	11793227;
D000082	decrease	STRBP	ENSG00000165209	11793227;
D000082	decrease	TFDP1	ENSG00000198176	11793227;
D000082	decrease	TM9SF1	ENSG00000100926	11793227;
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D000082	increase	ABCB1	ENSG000000085563	16930294;17526808;17627974;
D000082	increase	ABCC1	ENSG00000103222	17627974;
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D000082	increase	ABCC5	ENSG00000114770	17627974;
D000082	increase	ABCG2	ENSG00000118777	17627974;
D000082	increase	ACIN1	ENSG00000100813	11793227;
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D000082	increase	ARL6IP1	ENSG00000170540	11793227;
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D000082	increase	CD93	ENSG00000125810	17093179;
D000082	increase	DAPK1	ENSG00000196730	17093179;
D000082	increase	DDIT4	ENSG00000168209	17093179;
D000082	increase	DHRS9	ENSG00000073737	17093179;
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D000082	increase	GAA	ENSG00000171298	17093179;

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D000082	increase	HMOX1	ENSG00000100292	18227147;
D000082	increase	ID1	ENSG00000125968	15120964;
D000082	increase	IGFBP1	ENSG00000146678	11793227;
D000082	increase	IMPDH1	ENSG00000106348	17093179;
D000082	increase	MT1B	ENSG00000169688	11793227;
D000082	increase	MT1G	ENSG00000125144	11793227;
D000082	increase	MT1H	ENSG00000205358	11793227;
D000082	increase	MYC	ENSG00000136997	11896290;
D000082	increase	NQO1	ENSG00000181019	16610002;
D000082	increase	OAT	ENSG00000065154	11793227;
D000082	increase	PCNA	ENSG00000132646	17627974;
D000082	increase	PHYH	ENSG00000107537	15342952;
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D000082	increase	SIGLEC5	ENSG00000105501	17093179;
D000082	increase	SMOX	ENSG00000088826	11793227;
D000082	increase	TAC1	ENSG00000006128	16449370;
D000082	increase	TNFSF13	ENSG00000161955	17093179;
D000096	increase	CCND1	ENSG00000110092	12720008;
D000096	increase	FGFR2	ENSG00000066468	12720008;
D000096	increase	ITGA5	ENSG00000161638	12720008;
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D000111	decrease	AR	ENSG00000169083	16928829;
D000111	decrease	ART4	ENSG00000111339	16084531;
D000111	decrease	BCL2	ENSG00000171791	17542780;
D000111	decrease	BPGM	ENSG00000172331	16084531;
D000111	decrease	BTG1	ENSG00000133639	16084531;
D000111	decrease	CDH13	ENSG00000140945	16084531;
D000111	decrease	CFTR	ENSG00000001626	19061877;
D000111	decrease	COL1A1	ENSG00000108821	11710721;
D000111	decrease	COL1A2	ENSG00000164692	11710721;
D000111	decrease	COL4A1	ENSG00000187498	16084531;
D000111	decrease	CPE	ENSG00000109472	16084531;
D000111	decrease	CRADD	ENSG00000169372	16084531;
D000111	decrease	CXCL1	ENSG00000163739	17395010;
D000111	decrease	EFNB2	ENSG00000125266	16084531;
D000111	decrease	FGF2	ENSG00000138685	16084531;
D000111	decrease	FILIP1L	ENSG00000168386	16084531;
D000111	decrease	GBP1	ENSG00000117228	16084531;
D000111	decrease	GJA4	ENSG00000187513	16084531;
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D000111	decrease	ID2	ENSG00000115738	16084531;
D000111	decrease	IL10RB	ENSG00000243646	16084531;
D000111	decrease	IL27RA	ENSG00000104998	16084531;
D000111	decrease	ITGAV	ENSG00000138448	16084531;
D000111	decrease	JAG1	ENSG00000101384	16084531;
D000111	decrease	MGEA5	ENSG00000198408	16084531;
D000111	decrease	MOAP1	ENSG00000165943	16084531;

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D000111	decrease	PLAU	ENSG00000122861	16084531;
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D000111	decrease	SP1	ENSG00000185591	16928829;
D000111	decrease	TANK	ENSG00000136560	16084531;
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D000111	decrease	TSPAN6	ENSG00000000003	16084531;
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D000111	increase	ATF4	ENSG00000128272	15788408;
D000111	increase	ATP2A2	ENSG00000174437	16084531;
D000111	increase	BAX	ENSG000000087088	17542780;
D000111	increase	CCL2	ENSG00000108691	15139008;19158351;17529908;
D000111	increase	CCND1	ENSG00000110092	15897899;
D000111	increase	CD86	ENSG00000114013	19033392;
D000111	increase	CDKN1A	ENSG00000124762	15978937;9343371;894323
D000111	increase	CXCL2	ENSG000000081041	10718115;
D000111	increase	DDIT3	ENSG00000175197	17171638;18384088;16084531;
D000111	increase	DNAJB9	ENSG00000128590	16084531;
D000111	increase	DUSP4	ENSG00000120875	16084531;
D000111	increase	FLT1	ENSG00000102755	17992120;
D000111	increase	FOS	ENSG00000170345	9525474;
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D000111	increase	GCLC	ENSG00000001084	11909699;11820781;
D000111	increase	HBEGF	ENSG00000113070	12676768;
D000111	increase	HERPUD1	ENSG000000051108	16084531;
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D000111	increase	HIF1A	ENSG00000100644	15840558;17658243;17066447;
D000111	increase	HK2	ENSG00000159399	16084531;
D000111	increase	HMBS	ENSG00000149397	10656287;
D000111	increase	HMOX1	ENSG00000100292	16959797;18357586;19033392;16806455;
D000111	increase	ICAM1	ENSG000000090339	17666914;
D000111	increase	IL6	ENSG00000136244	16757516;
D000111	increase	IL8	ENSG00000169429	9628260;11306435;9707512;15139008;12208513;
D000111	increase	INS	ENSG00000129965	16505238;
D000111	increase	KDR	ENSG00000128052	17992120;
D000111	increase	KEAP1	ENSG00000079999	19033392;11909699;
D000111	increase	MGMT	ENSG00000170430	16950796;
D000111	increase	MMP7	ENSG00000137673	17928719;
D000111	increase	MMP9	ENSG00000100985	17015178;19371603;16251475;
D000111	increase	NDUFB6	ENSG00000165264	19523936;
D000111	increase	NDUFS7	ENSG00000115286	19523936;
D000111	increase	NFE2	ENSG00000123405	10656287;

D000111	increase	NFE2L2	ENSG00000116044	19033392;11909699;16806455;16959797;
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D000111	increase	PARK7	ENSG00000116288	18377993;
D000111	increase	PIGA	ENSG00000165195	16084531;
D000111	increase	PIM2	ENSG00000102096	16084531;
D000111	increase	PLD1	ENSG00000075651	17640750;
D000111	increase	PLD2	ENSG00000129219	17640750;
D000111	increase	PON2	ENSG00000105854	17916643;
D000111	increase	PTGS2	ENSG00000073756	18480072;17640750;17255567;15576159;16084531;
D000111	increase	SLC39A14	ENSG00000104635	16084531;
D000111	increase	SNAI1	ENSG00000124216	17596522;
D000111	increase	SNCA	ENSG00000145335	15114628;
D000111	increase	SOD2	ENSG00000112096	8760145;15904944;
D000111	increase	TGFB1	ENSG00000105329	16757516;
D000111	increase	TNF	ENSG00000223952	9721806;15161907;8760145;17666914;15650392;
D000111	increase	TP53	ENSG00000141510	15489221;17555331;10951577;
D000111	increase	UGDH	ENSG00000109814	16084531;
D000111	increase	VEGFA	ENSG00000112715	15788408;17992120;
D000111	increase	ZFP36L2	ENSG00000152518	16084531;
D000119	increase	CD40	ENSG00000101017	16299289;
D000119	increase	CD80	ENSG00000121594	16299289;
D000119	increase	CD83	ENSG00000112149	16299289;
D000119	increase	CD86	ENSG00000114013	16299289;
D000119	increase	IFNG	ENSG00000111537	18490488;16299289;
D000119	increase	IL12A	ENSG00000168811	16299289;18490488;
D000119	increase	IL12B	ENSG00000113302	15905553;16299289;18490488;
D000119	increase	IL15	ENSG00000164136	16299289;
D000119	increase	IL23A	ENSG00000110944	18490488;
D000119	increase	IL8	ENSG00000169429	16299289;18413660;
D000143	decrease	CDX2	ENSG00000165556	16990345;
D000143	increase	IL6	ENSG00000136244	19074641;
D000143	increase	IL8	ENSG00000169429	19074641;
D000165	increase	GSTP1	ENSG00000084207	16814760;
D000171	affect	EGFR	ENSG00000146648	11329622;15531749;
D000171	decrease	NFE2L1	ENSG00000082641	17949413;
D000171	decrease	PTGIS	ENSG00000124212	17255567;
D000171	decrease	TFAM	ENSG00000108064	17949413;
D000171	increase	ADAM17	ENSG00000151694	15531749;
D000171	increase	AKT1	ENSG00000142208	19596284;
D000171	increase	BIRC2	ENSG00000110330	19596284;
D000171	increase	BIRC3	ENSG00000023445	19596284;
D000171	increase	GCLC	ENSG00000001084	12084617;
D000171	increase	HMOX1	ENSG00000100292	18048804;
D000171	increase	IL6	ENSG00000136244	16860297;
D000171	increase	IL8	ENSG00000169429	17491020;15650393;18201443;11504702;16860297;
D000171	increase	MMP9	ENSG00000100985	19371603;18006877;15531749;
D000171	increase	NFE2L2	ENSG00000116044	18048804;12084617;18258206;17197552;

D000171	increase	NFKBIA	ENSG00000100906	15650393;
D000171	increase	NQO1	ENSG00000181019	12084617;
D000171	increase	PTGS2	ENSG00000073756	17363696;
D000171	increase	TIMP3	ENSG00000100234	15531749;
D000171	increase	TNF	ENSG00000223952	15650393;17491020;
D000181	decrease	BCL2	ENSG00000171791	16173056;
D000181	decrease	CCL2	ENSG00000108691	16173056;
D000181	decrease	CXCR4	ENSG00000121966	16173056;
D000181	decrease	FOS	ENSG00000170345	16173056;
D000181	decrease	JUN	ENSG00000177606	16173056;
D000181	decrease	S100A8	ENSG00000143546	16173056;
D000181	increase	BAX	ENSG00000087088	16173056;
D000181	increase	HMOX1	ENSG00000100292	14644359;
D000181	increase	NQO1	ENSG00000181019	9029048;
D000225	increase	IL8	ENSG00000169429	18308354;
D000241	affect	ADORA1	ENSG00000163485	16611738;
D000241	affect	ADORA2A	ENSG00000128271	16611738;
D000241	affect	ADORA2B	ENSG00000170425	16611738;
D000241	affect	ADORA3	ENSG00000121933	16611738;
D000241	decrease	DPP4	ENSG00000197635	16611738;
D000241	decrease	MAPK1	ENSG00000100030	16611738;
D000241	decrease	MAPK3	ENSG00000102882	16611738;
D000242	affect	SLC2A5	ENSG00000142583	8554516;12820898;
D000242	decrease	HRH2	ENSG00000113749	9681472;15843518;918726
D000242	decrease	IL12A	ENSG00000168811	15843518;
D000242	decrease	IL12B	ENSG00000113302	15843518;
D000242	increase	IL8	ENSG00000169429	9258252;
D000244	affect	CYP2C19	ENSG00000165841	18004210;18394438;16772608;
D000244	affect	P2RY12	ENSG00000169313	11196645;18404433;
D000244	increase	CD40LG	ENSG00000102245	11297035;
D000244	increase	ITGA2B	ENSG00000005961	18404433;
D000244	increase	ITGB3	ENSG00000056345	18404433;
D000244	increase	SELP	ENSG00000174175	18394438;18404433;
D000255	increase	ICAM1	ENSG00000090339	18508964;
D000255	increase	SLC5A5	ENSG00000105641	16439463;
D000255	increase	TSHB	ENSG00000134200	16439463;
D000305	decrease	IL12B	ENSG00000113302	11080718;
D000305	increase	IL3	ENSG00000164399	10224351;
D000305	increase	IL5	ENSG00000113525	10224351;
D000305	increase	IL5RA	ENSG00000091181	10224351;
D000420	decrease	ADRB2	ENSG00000169252	15687340;16980553;12920204;10516654;10952688;14722251;
D000420	decrease	UCP3	ENSG00000175564	12824081;
D000420	increase	CCL3	ENSG00000006075	12818968;
D000420	increase	IL8	ENSG00000169429	12818968;15679717;
D000420	increase	PDE4A	ENSG00000065989	10763856;
D000420	increase	PDE4B	ENSG00000184588	10763856;
D000431	decrease	ADAT1	ENSG00000065457	15963989;
D000431	decrease	C6ORF108	ENSG00000112667	11566570;
D000431	decrease	CDC37L1	ENSG00000106993	15963989;
D000431	decrease	CEBPA	ENSG00000245848	16737972;
D000431	decrease	CRYBB3	ENSG00000100053	11566570;

D000431	decrease	HAMP	ENSG00000105697	16737972;
D000431	decrease	MAPK3	ENSG00000102882	18295389;11427526;11566570;
D000431	decrease	MUTYH	ENSG00000132781	11566570;
D000431	decrease	OPRK1	ENSG00000082556	17934066;
D000431	decrease	PDYN	ENSG00000101327	17934066;
D000431	decrease	PENK	ENSG00000181195	17934066;
D000431	decrease	PFDN5	ENSG00000123349	11566570;
D000431	decrease	PMS2	ENSG00000122512	11566570;
D000431	decrease	POMC	ENSG00000115138	17934066;
D000431	decrease	POU2F1	ENSG00000143190	11566570;
D000431	decrease	RRAD	ENSG00000166592	11566570;
D000431	decrease	SLC19A1	ENSG00000173638	19616087;
D000431	increase	CAV1	ENSG00000105974	15963989;
D000431	increase	CCND1	ENSG00000110092	12720008;
D000431	increase	CLU	ENSG00000120885	15963989;
D000431	increase	CYBB	ENSG00000165168	18845238;
				8798623;12464242;10826103;10573527;18845238;11212141;16235733;15802389;8531136;9143349;8074729;17590308;3782137;170347
D000431	increase	CYP2E1	ENSG00000130649	
D000431	increase	ESR1	ENSG00000091831	15659783;
D000431	increase	FANCD2	ENSG00000144554	18482162;
D000431	increase	FGFR2	ENSG00000066468	12720008;
D000431	increase	FN1	ENSG00000115414	15963989;
D000431	increase	FOLR1	ENSG00000110195	17531458;19616087;
D000431	increase	FTL	ENSG00000087086	15963989;
D000431	increase	HMOX1	ENSG00000100292	17295091;
D000431	increase	IGFBP3	ENSG00000146674	15963989;
D000431	increase	IL11	ENSG00000095752	17295091;
D000431	increase	IL1B	ENSG00000125538	11344824;
D000431	increase	ITGA5	ENSG00000161638	12720008;
D000431	increase	ITPR1	ENSG00000150995	17241155;
D000431	increase	KRT18	ENSG00000111057	17034788;
D000431	increase	KRT8	ENSG00000170421	17034788;
D000431	increase	LOXL2	ENSG00000134013	15963989;
D000431	increase	NOS2	ENSG00000007171	16235733;18845238;
D000431	increase	PLOD2	ENSG00000152952	15997088;
D000431	increase	PPARA	ENSG00000186951	18003597;
D000431	increase	S100A4	ENSG00000196154	15963989;
D000431	increase	SPARC	ENSG00000113140	15963989;
D000431	increase	SPP1	ENSG00000118785	18703563;
D000431	increase	TFRC	ENSG00000072274	16737972;15963989;
D000431	increase	TGFB1	ENSG00000105329	11344824;15963989;15147944;
D000431	increase	TGM2	ENSG00000198959	18295389;
D000431	increase	TNF	ENSG00000223952	11344824;
D000431	increase	XDH	ENSG00000158125	18845238;
D000432	increase	CSF2	ENSG00000164400	11306435;
D000432	increase	ESR1	ENSG00000091831	15659783;
D000432	increase	IL1B	ENSG00000125538	15225597;
D000432	increase	PTGS2	ENSG00000073756	15225597;
D000450	decrease	CDH1	ENSG00000039068	17596522;
D000450	increase	ABCB1	ENSG00000085563	12387747;

D000450	increase	ACTA2	ENSG00000107796	17596522;
D000450	increase	SNAI1	ENSG00000124216	17596522;
D000452	increase	ACVR1C	ENSG00000123612	19422813;
D000452	increase	ACVRL1	ENSG00000139567	19422813;
D000452	increase	ALK	ENSG00000171094	19422813;
D000452	increase	CYP19A1	ENSG00000137869	16996190;
D000452	increase	CYP26A1	ENSG00000095596	15589975;
D000452	increase	CYP2B6	ENSG00000197408	15548381;
D000452	increase	CYP3A4	ENSG00000160868	15548381;
D000452	increase	ERBB3	ENSG00000065361	19422813;
D000452	increase	KIT	ENSG00000157404	19422813;
D000452	increase	PDGFRA	ENSG00000134853	19422813;
D000452	increase	PDGFRB	ENSG00000113721	19422813;
D000452	increase	RARB	ENSG00000077092	15589975;
D000452	increase	RARG	ENSG00000172819	15589975;
D000487	increase	WNT10B	ENSG00000169884	12437293;
D000493	increase	CXCL10	ENSG00000169245	18322232;
D000493	increase	IFNB1	ENSG00000171855	18322232;
D000493	increase	MMP9	ENSG00000100985	19371603;
D000535	affect	EPOR	ENSG00000187266	15777837;
D000535	decrease	ACO2	ENSG00000100412	16906525;
D000535	decrease	FH	ENSG00000091483	16906525;
D000535	decrease	OGDH	ENSG00000105953	16906525;
D000535	decrease	SCGB1A1	ENSG00000149021	16099050;
D000535	increase	ACLY	ENSG00000131473	17762189;
D000535	increase	APOB	ENSG00000084674	17762189;
D000535	increase	GPD1	ENSG00000167588	17762189;
D000535	increase	LITAF	ENSG00000189067	17408380;
D000535	increase	MPO	ENSG00000005381	17402216;
D000535	increase	SLC2A1	ENSG00000117394	16979867;
D000535	increase	TNF	ENSG00000223952	17408380;
D000537	increase	IL10	ENSG00000136634	15183442;
D000537	increase	IL1A	ENSG00000115008	15183442;
D000537	increase	IL1B	ENSG00000125538	15183442;
D000537	increase	IL8	ENSG00000169429	15183442;
D000537	increase	TNF	ENSG00000223952	15183442;
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D000622	affect	MMP3	ENSG00000149968	12542540;
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D000638	decrease	ADRB2	ENSG00000169252	1653643;
D000638	decrease	AP1S1	ENSG00000106367	17567588;
D000638	decrease	SLC26A4	ENSG00000091137	18020914;
D000638	decrease	SLC2A3	ENSG00000059804	17567588;15342952;
D000638	decrease	SLC5A5	ENSG00000105641	18020914;
D000638	decrease	TAGLN	ENSG00000149591	17567588;
D000638	decrease	TG	ENSG00000042832	18020914;
D000638	decrease	TPO	ENSG00000115705	18020914;
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D000638	increase	ABCC11	ENSG00000121270	19774075;
D000638	increase	ABL1	ENSG00000097007	19774075;
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D000638	increase	ACOT8	ENSG00000101473	19774075;
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D000638	increase	CPLX2	ENSG00000145920	19774075;
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D000638	increase	ZC3HAV1	ENSG00000105939	19774075;
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D000638	increase	ZNF710	ENSG00000140548	19774075;
D000638	increase	ZNF771	ENSG00000179965	19774075;
D000638	increase	ZNHIT2	ENSG00000174276	19774075;
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D000638	increase	ZXDA	ENSG00000198205	19774075;
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D000639	decrease	TAGLN	ENSG00000149591	17567588;15342952;
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D000639	increase	C10ORF10	ENSG00000165507	17567588;15342952;
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D000639	increase	LSS	ENSG00000160285	17567588;15342952;
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D000639	increase	PHYH	ENSG00000107537	15342952;
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D000640	decrease	EPO	ENSG00000130427	7980410;
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D000677	decrease	CCNA2	ENSG00000145386	11774253;
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D000677	decrease	EGF	ENSG00000138798	16969495;
D000677	decrease	MYC	ENSG00000136997	11585056;
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D000677	decrease	UBE2C	ENSG00000175063	17374387;
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D000677	increase	CCNE1	ENSG00000105173	11774253;
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D000677	increase	TP53I3	ENSG00000115129	17374387;
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D000728	affect	PSCA	ENSG00000167653	16015594;
D000728	affect	PTPN1	ENSG00000196396	16652382;
D000728	affect	RALA	ENSG00000006451	16964283;
D000728	affect	RAP2A	ENSG00000125249	17918750;
D000728	affect	VEGFC	ENSG00000150630	16964283;
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D000728	decrease	SELENBP1	ENSG00000143416	16380993;
D000728	decrease	SLC7A1	ENSG00000139514	11401523;
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D000728	increase	FGF8	ENSG00000107831	12404063;
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D000728	increase	JUND	ENSG00000130522	15486991;
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D000728	increase	NKX3-1	ENSG00000167034	16817226;17202838;
D000728	increase	TP53	ENSG00000141510	17202838;
D000735	decrease	CYP17A1	ENSG00000148795	15625562;16030167;15562 394;14522586;
D000735	increase	AR	ENSG00000169083	17804755;12730620;15336 702;
D000735	increase	KLK3	ENSG00000142515	15336702;

D000841	decrease	AHR	ENSG00000106546	15385644;
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D000841	increase	CYP1A1	ENSG00000140465	15385644;
D000841	increase	FOS	ENSG00000170345	12660819;
D000875	increase	CAT	ENSG00000121691	9628260;
D000875	increase	CSF2	ENSG00000164400	9628260;
D000875	increase	IL6	ENSG00000136244	9628260;
D000875	increase	IL8	ENSG00000169429	9628260;
D000875	increase	TNF	ENSG00000223952	9628260;
D000894	decrease	CYP19A1	ENSG00000137869	15964185;
D000965	decrease	A2M	ENSG00000175899	17547211;
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D000965	decrease	ATP2B1	ENSG00000070961	17547211;
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D000965	decrease	CLGN	ENSG00000153132	17547211;
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D000965	decrease	HSD17B2	ENSG00000086696	17547211;
D000965	decrease	HSD17B7	ENSG00000132196	17547211;
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D000965	decrease	LSS	ENSG00000160285	17547211;
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D000968	increase	ICAM1	ENSG00000090339	12952965;
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D000968	increase	JUN	ENSG00000177606	16237197;
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D001151	affect	RPP25	ENSG00000178718	18414638;
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D001151	affect	SH2D3C	ENSG00000095370	18414638;
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D001151	affect	SSRP1	ENSG00000149136	18414638;
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D001151	affect	STAT2	ENSG00000170581	18414638;
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D001151	affect	THAP11	ENSG00000168286	18414638;
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D001151	affect	TMC8	ENSG00000167895	18414638;
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D001151	decrease	CASP6	ENSG00000138794	11134558;
D001151	decrease	CCL20	ENSG00000115009	16835338;
D001151	decrease	CCL3L3	ENSG00000205021	16835338;
D001151	decrease	CCL4	ENSG00000129277	16835338;
D001151	decrease	CCRL2	ENSG00000121797	16835338;
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D001151	decrease	CD83	ENSG00000112149	16835338;
D001151	decrease	CXCL3	ENSG00000163734	16835338;
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D001151	decrease	ERCC4	ENSG00000175595	12569548;
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D001151	decrease	IL1A	ENSG00000115008	16835338;
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D001151	decrease	NDUFB8	ENSG00000166136	16835338;
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D001151	decrease	RFX3	ENSG00000080298	16835338;
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D001151	increase	CCNE1	ENSG00000105173	11134558;
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D001151	increase	CXCL2	ENSG00000081041	16835338;12928151;
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D001151	increase	IL6	ENSG00000136244	12928151;
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D001241	decrease	DLST	ENSG00000119689	11906190;
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D001241	decrease	GTF2I	ENSG00000077809	11906190;
D001241	decrease	IARS	ENSG00000196305	11906190;
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D001241	decrease	MYC	ENSG00000136997	11906190;
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D001241	decrease	PPP1R2	ENSG00000184203	11906190;
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D001241	decrease	TOB1	ENSG00000141232	11906190;
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D001241	decrease	WARS	ENSG00000140105	11906190;
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D001241	increase	ASTN2	ENSG00000148219	11906190;
D001241	increase	ATP2A1	ENSG00000196296	11906190;
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D001241	increase	KIF21A	ENSG00000139116	11906190;
D001241	increase	LY9	ENSG00000122224	11906190;
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D001241	increase	REEP6	ENSG00000115255	11906190;
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D001241	increase	SPAG6	ENSG00000077327	11906190;
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D001241	increase	TCIRG1	ENSG00000110719	11906190;
D001241	increase	TIMM17B	ENSG00000126768	11906190;
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D001241	increase	TP53I13	ENSG00000167543	11906190;
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D001241	increase	TRAPPC6A	ENSG00000007255	11906190;
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D001241	increase	TRPM4	ENSG00000130529	11906190;
D001241	increase	TSNAX	ENSG00000116918	11906190;
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D001241	increase	UBTD1	ENSG00000165886	11906190;
D001241	increase	UNG	ENSG00000076248	11906190;
D001241	increase	USP15	ENSG00000135655	11906190;
D001241	increase	WIF1	ENSG00000156076	11906190;
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D001241	increase	ZSCAN16	ENSG00000196812	11906190;
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D001262	decrease	SLC6A8	ENSG00000130821	19915711;
D001262	increase	CLEC2B	ENSG00000110852	19915711;
D001262	increase	SLCO4C1	ENSG00000173930	19915711;
D001262	increase	SNRPN	ENSG00000128739	19915711;
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D001280	increase	MT2A	ENSG00000125148	11678611;
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D001371	increase	IL12B	ENSG00000113302	9756745;
D001371	increase	IL2RA	ENSG00000134460	9756745;
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D001374	affect	CENPF	ENSG00000117724	18720364;
D001374	affect	E2F1	ENSG00000101412	19451745;
D001374	affect	FEN1	ENSG00000168496	18720364;
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D001374	decrease	LITAF	ENSG00000189067	19194470;
D001374	decrease	MAD1L1	ENSG00000002822	19194470;
D001374	decrease	MAPT	ENSG00000186868	16930453;
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D001374	decrease	NRN1	ENSG00000124785	19194470;
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D001374	decrease	SLC28A1	ENSG00000156222	19139132;
D001374	decrease	SLC29A2	ENSG00000174669	19194470;
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D001374	decrease	STC2	ENSG00000113739	19194470;
D001374	decrease	TBC1D4	ENSG00000136111	19194470;
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D001374	decrease	TOP2A	ENSG00000131747	18720364;18348204;
D001374	decrease	TRH	ENSG00000170893	19194470;
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D001374	increase	BLK	ENSG00000136573	15547111;
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D001374	increase	C6ORF62	ENSG00000112308	19194470;
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D001374	increase	HPGD	ENSG00000164120	19584167;
D001374	increase	HRK	ENSG00000135116	15547111;
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D001374	increase	KIR2DL3	ENSG00000243772	19394699;18945643;
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D001374	increase	MMP9	ENSG00000100985	19148494;
D001374	increase	MSRB2	ENSG00000148450	19194470;
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D001374	increase	NXT2	ENSG00000101888	19194470;
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D001374	increase	PAX4	ENSG00000106331	18949370;
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D001374	increase	PTPRC	ENSG00000081237	19194470;
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D001374	increase	TPO	ENSG00000115705	17679169;
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D001374	increase	TSHR	ENSG00000165409	17679169;
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D001388	decrease	IL8	ENSG00000169429	16243974;
D001388	increase	IL6	ENSG00000136244	16243974;
D001388	increase	NR3C1	ENSG00000113580	16243974;
D001388	increase	TNF	ENSG00000223952	16243974;
D001463	increase	CYP3A4	ENSG00000160868	15554232;15955870;
D001466	increase	IL6	ENSG00000136244	11403239;
D001498	increase	CYP11B2	ENSG00000179142	9139807;
D001498	increase	FOS	ENSG00000170345	16188231;
D001500	affect	AR	ENSG00000169083	14532843;
D001500	increase	IL6	ENSG00000136244	14532843;
D001507	increase	ADRB2	ENSG00000169252	15679717;
D001514	decrease	BCL2	ENSG00000171791	15922390;
D001514	increase	BAX	ENSG00000087088	15922390;
D001514	increase	CASP3	ENSG00000164305	15922390;
D001514	increase	CYP19A1	ENSG00000137869	15894134;
D001542	increase	BUB1B	ENSG00000156970	16903866;
D001542	increase	CYP19A1	ENSG00000137869	14691014;
D001554	decrease	BAX	ENSG00000087088	18724895;
D001554	decrease	BCL2	ENSG00000171791	18724895;
D001554	decrease	CALM1	ENSG00000143933	15929907;
D001554	decrease	GP1BB	ENSG00000203618	15929907;
D001554	decrease	HSPA1A	ENSG00000232804	15929907;
D001554	decrease	IFNG	ENSG00000111537	15929907;
D001554	decrease	JUN	ENSG00000177606	17119257;15929907;
D001554	decrease	MAP4	ENSG00000047849	15929907;
D001554	decrease	MYNN	ENSG00000085274	15929907;
D001554	decrease	PDE7B	ENSG00000171408	15929907;
D001554	decrease	PF4	ENSG00000163737	17119257;15929907;16286641;
D001554	decrease	PKIG	ENSG00000168734	15929907;
D001554	decrease	PPBP	ENSG00000163736	16286641;
D001554	decrease	PSRC1	ENSG00000134222	15929907;
D001554	decrease	RAD51	ENSG000000051180	18724895;
D001554	decrease	RNF31	ENSG00000092098	15929907;
D001554	decrease	TFPI	ENSG00000003436	15929907;

D001554	decrease	TGOLN2	ENSG00000152291	15929907;
D001554	decrease	TMEM107	ENSG00000179029	15929907;
D001554	decrease	TMEM40	ENSG00000088726	15929907;
D001554	decrease	TMEM66	ENSG00000133872	15929907;
D001554	decrease	UCP1	ENSG00000109424	15929907;
D001554	decrease	USP16	ENSG00000156256	15929907;
D001554	decrease	XPA	ENSG00000136936	18724895;
D001554	decrease	XPC	ENSG00000154767	18724895;
D001554	increase	ACOT9	ENSG00000123130	15929907;
D001554	increase	CCL5	ENSG00000161570	11306435;
D001554	increase	CCNB1	ENSG00000134057	15826604;
D001554	increase	CCNT2	ENSG00000082258	15929907;
D001554	increase	CD1B	ENSG00000158485	14673790;
D001554	increase	CD44	ENSG00000026508	15929907;
D001554	increase	CISH	ENSG00000114737	15929907;
D001554	increase	CLTC	ENSG00000141367	15929907;
D001554	increase	CREM	ENSG00000095794	15929907;
D001554	increase	CRK	ENSG00000167193	15929907;
D001554	increase	CSF2	ENSG00000164400	11306435;
D001554	increase	CXCL16	ENSG00000161921	17119257;15929907;
D001554	increase	CXORF40A	ENSG00000197620	15929907;
D001554	increase	FKBP1A	ENSG00000088832	14673790;
D001554	increase	FKBP5	ENSG00000096060	15036117;
D001554	increase	HSPA5	ENSG00000044574	12183065;
D001554	increase	IFNGR1	ENSG00000027697	15929907;
D001554	increase	IL10RA	ENSG00000110324	15929907;
D001554	increase	IL11RA	ENSG00000137070	15929907;
D001554	increase	IL16	ENSG00000172349	15929907;
D001554	increase	IL2RB	ENSG00000100385	15929907;
D001554	increase	IL4R	ENSG00000077238	15929907;14673790;
D001554	increase	IL6R	ENSG00000160712	15929907;
D001554	increase	IL8	ENSG00000169429	11306435;15356918;
D001554	increase	KLF13	ENSG00000169926	15929907;
D001554	increase	KPNA1	ENSG00000114030	15929907;
D001554	increase	LGALS8	ENSG00000116977	15929907;
D001554	increase	MMP13	ENSG00000137745	15036117;14673790;
D001554	increase	NAMPT	ENSG00000105835	15929907;
D001554	increase	PDE4D	ENSG00000113448	15929907;
D001554	increase	PIK3R5	ENSG00000141506	15929907;
D001554	increase	PPP1CB	ENSG00000213639	15929907;
D001554	increase	PPPDE1	ENSG00000121644	15929907;
D001554	increase	PTPRE	ENSG00000132334	15929907;
D001554	increase	PURB	ENSG00000146676	15929907;
D001554	increase	SLFN11	ENSG00000172716	15929907;
D001554	increase	SOCS3	ENSG00000184557	15929907;
D001554	increase	TBC1D7	ENSG00000145979	15929907;
D001554	increase	TLR2	ENSG00000137462	15929907;
D001554	increase	USP3	ENSG00000140455	15929907;
D001554	increase	ZNF302	ENSG00000089335	15929907;
D001554	increase	ZNF331	ENSG00000130844	17119257;15929907;
D001555	increase	IL8	ENSG00000169429	15356918;
D001556	decrease	IFNG	ENSG00000111537	15319175;
D001556	decrease	IL5	ENSG00000113525	15319175;
D001556	decrease	PGR	ENSG00000082175	14579009;9144411;

D001556	decrease	SULT2A1	ENSG00000105398	17080404;
D001556	decrease	TNF	ENSG00000223952	15319175;
D001556	increase	BAX	ENSG00000087088	14688026;
D001556	increase	BCL2	ENSG00000171791	14688026;
D001556	increase	CDKN1A	ENSG00000124762	14688026;
D001556	increase	CYP11A1	ENSG00000140459	17080404;
D001556	increase	CYP11B1	ENSG00000160882	17080404;
D001556	increase	CYP11B2	ENSG00000179142	17080404;
D001556	increase	CYP17A1	ENSG00000148795	17080404;
D001556	increase	CYP19A1	ENSG00000137869	12849724;17080404;
D001556	increase	CYP2B6	ENSG00000197408	15548381;
D001556	increase	CYP3A4	ENSG00000160868	15548381;
D001556	increase	CYP3A7	ENSG00000160870	8812189;
D001556	increase	ESR1	ENSG00000091831	15253041;14579009;16329587;
D001556	increase	GNRH1	ENSG00000147437	16329587;
D001556	increase	HSD3B2	ENSG00000203859	17080404;
D001556	increase	POMC	ENSG00000115138	16329587;
D001556	increase	STAR	ENSG00000147465	17080404;
D001564	decrease	AMHR2	ENSG00000135409	18247414;
D001564	decrease	BAD	ENSG00000002330	18247414;15698582;
D001564	decrease	BCL2A1	ENSG00000140379	18247414;
D001564	decrease	BCL2L1	ENSG00000171552	15698582;
D001564	decrease	BRCA1	ENSG00000012048	18247414;
D001564	decrease	BTF3	ENSG00000145741	18247414;
D001564	decrease	C5AR1	ENSG00000197405	18247414;
D001564	decrease	CCL16	ENSG00000161573	18247414;
D001564	decrease	CCR6	ENSG00000112486	18247414;
D001564	decrease	CDK1	ENSG00000170312	15837074;
D001564	decrease	CREB1	ENSG00000118260	18247414;
D001564	decrease	DFFB	ENSG00000169598	18247414;
D001564	decrease	DNASE2	ENSG00000105612	18247414;
D001564	decrease	EDNRA	ENSG00000151617	18247414;
D001564	decrease	EGR1	ENSG00000120738	15808406;
D001564	decrease	EPHA3	ENSG00000044524	18247414;
D001564	decrease	EPHB3	ENSG00000182580	18247414;
D001564	decrease	FLT3	ENSG00000122025	18247414;
D001564	decrease	FN1	ENSG00000115414	18247414;
D001564	decrease	HLTF	ENSG00000071794	18247414;
D001564	decrease	IFI6	ENSG00000126709	18247414;
D001564	decrease	IFNAR1	ENSG00000142166	18247414;
D001564	decrease	IL10	ENSG00000136634	18247414;
D001564	decrease	IL3RA	ENSG00000185291	18247414;
D001564	decrease	IL9	ENSG00000145839	18247414;
D001564	decrease	ITGAL	ENSG00000005844	18247414;
D001564	decrease	KLF11	ENSG00000172059	18247414;
D001564	decrease	LMNB1	ENSG00000113368	17292933;
D001564	decrease	LTB	ENSG00000236237	18247414;
D001564	decrease	MADD	ENSG00000110514	18247414;
D001564	decrease	MST1	ENSG00000173531	18247414;
D001564	decrease	NFKBIE	ENSG00000146232	18247414;
D001564	decrease	NFYB	ENSG00000120837	18247414;
D001564	decrease	NME3	ENSG00000103024	18247414;
D001564	decrease	OPRK1	ENSG00000082556	18247414;

D001564	decrease	POU2AF1	ENSG00000110777	18247414;
D001564	decrease	PRDX2	ENSG00000167815	17292933;
D001564	decrease	PSMB6	ENSG00000142507	18247414;
D001564	decrease	PTAFR	ENSG00000169403	18247414;
D001564	decrease	PTX3	ENSG00000163661	18247414;
D001564	decrease	RARG	ENSG00000172819	18247414;
D001564	decrease	RPL7A	ENSG00000148303	18247414;
D001564	decrease	RUNX1T1	ENSG00000079102	18247414;
D001564	decrease	SLC9A3R2	ENSG00000065054	18247414;
D001564	decrease	SREBF1	ENSG00000072310	18247414;
D001564	decrease	STAT2	ENSG00000170581	18247414;
D001564	decrease	TFDP1	ENSG00000198176	18247414;
D001564	decrease	UBE2I	ENSG00000103275	18247414;
D001564	decrease	VIM	ENSG00000026025	18247414;
D001564	increase	AATK	ENSG00000181409	18247414;
D001564	increase	ABCB1	ENSG00000085563	15566942;
D001564	increase	ABCG2	ENSG00000118777	15917307;
D001564	increase	AKR1C1	ENSG00000187134	19800895;15735009;
D001564	increase	AKR1C2	ENSG00000151632	19800895;15735009;
D001564	increase	ALDOA	ENSG00000149925	17292933;
D001564	increase	ANP32A	ENSG00000140350	17292933;
D001564	increase	ARNT	ENSG00000143437	18247414;
D001564	increase	BAX	ENSG00000087088	15735009;16041517;
D001564	increase	BCL2	ENSG00000171791	16041517;
D001564	increase	BCL2L11	ENSG00000153094	15735009;
D001564	increase	BID	ENSG00000015475	15698582;16041517;
D001564	increase	BTB	ENSG00000010671	18247414;
D001564	increase	CARTPT	ENSG00000164326	18247414;
D001564	increase	CBL	ENSG00000110395	18247414;
D001564	increase	CCL5	ENSG00000161570	18247414;11306435;
D001564	increase	CCR5	ENSG00000160791	18247414;
D001564	increase	CD4	ENSG00000010610	18247414;
D001564	increase	CD59	ENSG00000085063	18247414;17045307;
D001564	increase	CDKN1A	ENSG00000124762	15625077;18418871;15735009;15837074;15808406;
D001564	increase	CSF2	ENSG00000164400	11306435;
D001564	increase	CYP11B2	ENSG00000179142	15808406;
D001564	increase	CYP1A1	ENSG00000140465	15661813;15905203;19070657;15627480;15808406;15566942;15735009;15713371;19800895;16258175;15808407;11849738;18214805;15608128;15298956;2791199;8961944;12490585;1516211849738;2791199;896194
D001564	increase	CYP1A2	ENSG00000140505	16530937;15905203;18214805;15297370;15713371;15566942;15808406;15735009;15808407;16381670;16258175;15958554;15162144;
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D001564	increase	CYP2B6	ENSG00000197408	15735009;
D001564	increase	DDB2	ENSG00000134574	15735009;
D001564	increase	DEDD	ENSG00000158796	18247414;
D001564	increase	EHHADH	ENSG00000113790	17292933;
D001564	increase	ENO1	ENSG00000074800	17292933;

D001564	increase	EPHX1	ENSG00000143819	15566942;15735009;15298956;8961944;
D001564	increase	EPO	ENSG00000130427	18247414;
D001564	increase	ESR1	ENSG00000091831	12441364;11922773;
D001564	increase	EZR	ENSG00000092820	18247414;
D001564	increase	FAS	ENSG00000026103	16041517;
D001564	increase	FASLG	ENSG00000117560	18247414;16041517;
D001564	increase	FGF9	ENSG00000102678	16002475;
D001564	increase	G0S2	ENSG00000123689	15808406;
D001564	increase	GADD45A	ENSG00000116717	18418871;15735009;
D001564	increase	GAPDH	ENSG00000111640	17292933;
D001564	increase	GDF1	ENSG00000130283	18247414;
D001564	increase	GLUD1	ENSG00000148672	17292933;
D001564	increase	HRAS	ENSG00000174775	11008122;
D001564	increase	IL11	ENSG00000095752	16002475;
D001564	increase	IL1A	ENSG00000115008	16002475;
D001564	increase	IL1B	ENSG00000125538	15808406;15792794;
D001564	increase	IL6	ENSG00000136244	16002475;
D001564	increase	IL8	ENSG00000169429	11306435;12393170;
D001564	increase	JUN	ENSG00000177606	16041517;
D001564	increase	KRT19	ENSG00000171345	17292933;
D001564	increase	KRT8	ENSG00000170421	17292933;
D001564	increase	MAP3K1	ENSG00000095015	16041517;
D001564	increase	MAPK8	ENSG00000107643	16041517;15698582;
D001564	increase	MCL1	ENSG00000143384	16041517;
D001564	increase	MDM2	ENSG00000135679	15625077;18418871;
D001564	increase	MLLT11	ENSG00000213190	15808406;
D001564	increase	MMP1	ENSG00000196611	15808406;
D001564	increase	MT1A	ENSG00000205362	17418620;
D001564	increase	NOS2	ENSG00000007171	18247414;
D001564	increase	NQO1	ENSG00000181019	11008122;15808406;15735009;
D001564	increase	NR5A1	ENSG00000136931	17520059;
D001564	increase	OSGIN1	ENSG00000140961	15735009;
D001564	increase	PLD2	ENSG00000129219	18247414;
D001564	increase	PON1	ENSG00000005421	15169886;
D001564	increase	POU2F1	ENSG00000143190	18247414;
D001564	increase	PPARG	ENSG00000132170	15735009;
D001564	increase	PPIA	ENSG00000196262	17292933;
D001564	increase	PPIB	ENSG00000166794	17292933;
D001564	increase	PRDX1	ENSG00000117450	17292933;
D001564	increase	PRKAR2B	ENSG00000005249	18247414;
D001564	increase	PSMC4	ENSG00000013275	17292933;
D001564	increase	PTGES2	ENSG00000148334	16086235;
D001564	increase	PTGS2	ENSG00000073756	16086235;
D001564	increase	RAN	ENSG00000132341	17292933;
D001564	increase	RGS1	ENSG00000090104	18247414;
D001564	increase	RPS25	ENSG00000118181	18247414;
D001564	increase	S100A10	ENSG00000197747	18247414;
D001564	increase	SMAD9	ENSG00000120693	18247414;
D001564	increase	SNCA	ENSG00000145335	18247414;
D001564	increase	STK25	ENSG00000115694	18247414;
D001564	increase	SUPT4H1	ENSG00000213246	18247414;
D001564	increase	TNF	ENSG00000223952	17092623;15792794;

D001564	increase	TNFRSF1A	ENSG00000067182	18247414;15735009; 12807757;15808406;15625
D001564	increase	TP53	ENSG00000141510	077;18247414;16258175;16 041517;15698582;1583707
D001564	increase	TSHR	ENSG00000165409	18247414;
D001564	increase	TSKU	ENSG00000182704	15735009;
D001564	increase	TUFM	ENSG00000178952	17292933;
D001564	increase	UGP2	ENSG00000169764	18247414;
D001564	increase	UGT1A10	ENSG00000242515	15735009;14557274;
D001564	increase	UGT1A6	ENSG00000167165	15566942;
D001564	increase	UGT1A7	ENSG00000244122	15566942;14557274;
D001585	increase	IL6	ENSG00000136244	11403239;
D001599	decrease	BCL2	ENSG00000171791	16505103;
D001599	decrease	BCL2L1	ENSG00000171552	16505103;
D001599	decrease	CCND1	ENSG00000110092	16505103;
D001599	decrease	CCND2	ENSG00000118971	16505103;
D001599	decrease	CCNE1	ENSG00000105173	16505103;
D001599	decrease	CDK2	ENSG00000123374	16505103;
D001599	decrease	CDK4	ENSG00000135446	16505103;
D001599	decrease	CDK6	ENSG00000105810	16505103;
D001599	increase	BAX	ENSG00000087088	16505103;
D001599	increase	CCL2	ENSG00000108691	16391493;
D001599	increase	CDKN1A	ENSG00000124762	16505103;
D001599	increase	CDKN1B	ENSG00000111276	16505103;
D001599	increase	CYP1A1	ENSG00000140465	16046213;
D001599	increase	IL1B	ENSG00000125538	16391493;
D001599	increase	IL8	ENSG00000169429	16391493;
D001599	increase	TNF	ENSG00000223952	16391493;
D001608	increase	IL1B	ENSG00000125538	8629860;
D001608	increase	TNF	ENSG00000223952	8629860;12449171;151279
D001623	increase	HPGD	ENSG00000164120	15680906;
D001629	increase	ABCB4	ENSG00000005471	15258199;14685799;15588 777;
D001629	increase	ABCG5	ENSG00000138075	14685799;
D001629	increase	ACSL1	ENSG00000151726	19682441;
D001629	increase	CPT1A	ENSG00000110090	19682441;
D001629	increase	CYP1A1	ENSG00000140465	15521013;
D001629	increase	CYP4A11	ENSG00000187048	16712844;
D001629	increase	CYP7A1	ENSG00000167910	14685799;
D001629	increase	FAS	ENSG00000026103	16712844;
D001629	increase	PPARA	ENSG00000186951	15491415;19682441;
D001629	increase	SREBF2	ENSG00000198911	14685799;
D001647	decrease	CYP7A1	ENSG00000167910	15145977;15696852; 15696852;15841457;12663
D001647	increase	ABCB11	ENSG00000073734	868;15582136;15145977;12 705905;
D001647	increase	NR0B2	ENSG00000131910	15145977;
D001663	increase	CYP2B6	ENSG00000197408	15382119;
D001663	increase	CYP2C9	ENSG00000138109	15382119;
D001663	increase	CYP3A4	ENSG00000160868	15382119;
D001663	increase	GSTA1	ENSG00000243955	15382119;
D001663	increase	GSTA2	ENSG00000244067	15382119;
D001663	increase	IL1B	ENSG00000125538	15382119;
D001663	increase	SLCO1B1	ENSG00000134538	15382119;

D001663	increase	UGT1A1	ENSG00000241635	15560369;15334623;15382119;17898154;15988124;15557560;10950852;
D001710	affect	SLC5A6	ENSG00000138074	15561972;
D001710	decrease	CXCL11	ENSG00000169248	15219929;
D001710	decrease	HIRA	ENSG00000100084	15219929;
D001710	decrease	LAMP1	ENSG00000185896	15219929;
D001710	increase	CYP1B1	ENSG00000138061	15219929;15333708;
D001710	increase	HERC4	ENSG00000148634	15219929;
D001710	increase	TPR	ENSG00000047410	15219929;
D001728	increase	CDKN1A	ENSG00000124762	16061648;9343371;
D001728	increase	IL1B	ENSG00000125538	17959154;
D001728	increase	IL8	ENSG00000169429	19059883;
D001728	increase	MMP9	ENSG00000100985	17669387;
D001728	increase	RB1CC1	ENSG00000023287	16061648;
D001728	increase	TNF	ENSG00000223952	17669387;10531305;
D001728	increase	TP53	ENSG00000141510	14634213;17959154;16061648;
D001761	decrease	SOCS1	ENSG00000185338	17374387;
D001761	increase	IL8	ENSG00000169429	14617519;
D001761	increase	SFTPA1	ENSG00000122852	14617519;
D001761	increase	SFTPA2	ENSG00000185303	14617519;
D001761	increase	TNF	ENSG00000223952	14617519;
D001865	increase	ICAM1	ENSG00000090339	12952965;
D002038	increase	APP	ENSG00000142192	16627626;
D002038	increase	BCL2	ENSG00000171791	16835749;
D002038	increase	GATA3	ENSG00000107485	16835749;
D002038	increase	NFKB1	ENSG00000109320	16835749;
D002038	increase	PCNA	ENSG00000132646	16835749;
D002038	increase	STAT1	ENSG00000115415	16582591;16835749;
D002045	increase	PTGS1	ENSG00000095303	18165598;
D002045	increase	PTGS2	ENSG00000073756	18165598;
D002049	increase	HRH2	ENSG00000113749	9681472;
D002064	increase	BAX	ENSG00000087088	15965100;
D002064	increase	CASP3	ENSG00000164305	15965100;
D002064	increase	CASP9	ENSG00000132906	15965100;
D002083	decrease	ATP6V1A	ENSG00000114573	12470298;
D002083	decrease	COX2	ENSG00000198712	12470298;
D002083	decrease	ESR1	ENSG00000091831	12822488;14579009;
D002083	decrease	PSMC6	ENSG00000100519	12470298;
D002083	decrease	SOD2	ENSG00000112096	14981915;
D002083	decrease	TNF	ENSG00000223952	8740460;12470298;
D002083	increase	ABCC2	ENSG00000023839	16426233;
D002083	increase	CES1	ENSG00000198848	18227147;
D002083	increase	GCLC	ENSG00000001084	16426233;
D002083	increase	HMOX1	ENSG00000100292	18227147;
D002083	increase	NQO1	ENSG00000181019	18227147;
D002083	increase	PGR	ENSG00000082175	14579009;12822488;
D002083	increase	UGT1A1	ENSG00000241635	18227147;
D002084	affect	HMOX1	ENSG00000100292	8743975;
D002084	decrease	ATP6V1A	ENSG00000114573	12470298;
D002084	decrease	COX2	ENSG00000198712	12470298;
D002084	decrease	NR1H2	ENSG00000131408	17070507;
D002084	decrease	NR1H3	ENSG00000025434	17070507;

D002084	decrease	PON1	ENSG00000005421	16052486;
D002084	decrease	PPARG	ENSG00000132170	17070507;
D002084	decrease	PSMC6	ENSG00000100519	12470298;
D002084	decrease	SOD2	ENSG00000112096	14981915;
D002084	increase	ABCA1	ENSG00000165029	17070507;
D002084	increase	ACTA2	ENSG00000107796	16757516;
D002084	increase	CYP2B6	ENSG00000197408	18570159;
D002084	increase	CYP3A4	ENSG00000160868	18570159;
D002084	increase	LPA	ENSG00000198670	10856522;
D002084	increase	PGK1	ENSG00000102144	18603805;
D002084	increase	PLAT	ENSG00000104368	10856522;
D002084	increase	PON2	ENSG00000105854	17916643;
D002084	increase	SERPINE1	ENSG00000106366	10856522;
D002084	increase	TGFB1	ENSG00000105329	16757516;
D002084	increase	TNF	ENSG00000223952	9721806;12470298;
D002087	affect	CFTR	ENSG00000001626	15304546;
D002087	affect	HHEX	ENSG00000152804	16854221;
D002087	decrease	BID	ENSG00000015475	12893773;
D002087	decrease	BIRC5	ENSG00000089685	16042588;16007142;16061681;
D002087	decrease	CCNA1	ENSG00000133101	17698632;
D002087	decrease	CCNA2	ENSG00000145386	16007142;
D002087	decrease	CCNB1	ENSG00000134057	16007142;16061681;
D002087	decrease	CCND1	ENSG00000110092	16042588;12893773;15177505;17431121;
D002087	decrease	CCNE1	ENSG00000105173	15177505;
D002087	decrease	CCT5	ENSG00000150753	16042588;
D002087	decrease	CFLAR	ENSG00000003402	16042588;12893773;
D002087	decrease	CTNNB1	ENSG00000168036	15177505;
D002087	decrease	GTF2A1	ENSG00000165417	16646664;
D002087	decrease	GTF2A1L	ENSG00000242441	16646664;
D002087	decrease	IL12A	ENSG00000168811	11024006;
D002087	decrease	IL12B	ENSG00000113302	11024006;
D002087	decrease	IL12RB1	ENSG00000096996	11024006;
D002087	decrease	IL12RB2	ENSG00000081985	11024006;
D002087	decrease	MAP2K1	ENSG00000169032	12893773;15781658;
D002087	decrease	MAPK1	ENSG00000100030	12893773;15781658;
D002087	decrease	MAPK3	ENSG00000102882	12893773;15781658;
D002087	decrease	MECP2	ENSG00000169057	17698632;16042588;
D002087	decrease	MMP7	ENSG00000137673	16042588;
D002087	decrease	MPDU1	ENSG00000129255	15541394;
D002087	decrease	MPO	ENSG00000005381	12130515;
D002087	decrease	PCNA	ENSG00000132646	16042588;
D002087	decrease	PIK3CG	ENSG00000105851	16042588;
D002087	decrease	PTGS2	ENSG00000073756	16042588;
D002087	decrease	RAF1	ENSG00000132155	12893773;
D002087	decrease	RB1	ENSG00000139687	16042588;15177505;14707268;12893773;
D002087	decrease	SPP1	ENSG00000118785	16042588;
D002087	decrease	XIAP	ENSG00000101966	16007142;16061681;12893773;
D002087	increase	ABCB1	ENSG00000085563	15711177;
D002087	increase	ALPI	ENSG00000163295	16042588;
D002087	increase	AXIN2	ENSG00000168646	16042588;

D002087	increase	BAK1	ENSG00000030110	16042588;15781658;
D002087	increase	BCL2A1	ENSG00000140379	12130515;
D002087	increase	BCL2L1	ENSG00000171552	16042588;15177505;12893773;
D002087	increase	CASP8	ENSG00000064012	16042588;15781658;12893773;
D002087	increase	CDH1	ENSG00000039068	16042588;
D002087	increase	CDKN1A	ENSG00000124762	16042588;16112107;17431121;12893773;14707268;16007142;15942645;1213051
D002087	increase	CDKN1B	ENSG00000111276	16112107;17431121;
D002087	increase	CEBPE	ENSG00000092067	12130515;
D002087	increase	CLU	ENSG00000120885	16042588;
D002087	increase	CST6	ENSG00000175315	19503093;
D002087	increase	DAPK1	ENSG00000196730	16042588;
D002087	increase	GADD45A	ENSG00000116717	16042588;
D002087	increase	GSTA1	ENSG00000243955	12896903;
D002087	increase	GSTA2	ENSG00000244067	15746163;12896903;
D002087	increase	GSTA4	ENSG00000170899	15829614;15746163;
D002087	increase	GSTM2	ENSG00000213366	12896903;15746163;
D002087	increase	GSTP1	ENSG00000084207	15746163;12896903;
D002087	increase	GSTT2	ENSG00000133433	15746163;
D002087	increase	H1FO	ENSG00000189060	16006241;
D002087	increase	HBP1	ENSG00000105856	16042588;
D002087	increase	IFIT3	ENSG00000119917	12130515;
D002087	increase	KLK3	ENSG00000142515	11059779;
D002087	increase	LGALS1	ENSG00000100097	15541394;
D002087	increase	MYC	ENSG00000136997	12414619;
D002087	increase	NR3C1	ENSG00000113580	17498915;
D002087	increase	PPARG	ENSG00000132170	16112107;
D002087	increase	PTEN	ENSG00000171862	16042588;
D002087	increase	RASSF1	ENSG00000068028	18203293;
D002087	increase	SLC5A5	ENSG00000105641	17967635;17164311;
D002087	increase	ST3GAL5	ENSG00000115525	15541394;
D002104	decrease	ADH6	ENSG00000172955	17547211;
D002104	decrease	AKR1B1	ENSG00000085662	17547211;
D002104	decrease	ALDH6A1	ENSG00000119711	17547211;
D002104	decrease	ATP2B1	ENSG00000070961	17547211;
D002104	decrease	CACYBP	ENSG00000116161	16440303;
D002104	decrease	CIDEB	ENSG00000136305	17547211;
D002104	decrease	CLGN	ENSG00000153132	17547211;
D002104	decrease	CRYAA	ENSG00000160202	19031421;
D002104	decrease	EBP	ENSG00000147155	17547211;
D002104	decrease	ESR1	ENSG00000091831	17125913;16635015;
D002104	decrease	GPER	ENSG00000164850	17547211;
D002104	decrease	GSN	ENSG00000148180	17547211;
D002104	decrease	MGAT2	ENSG00000168282	17547211;
D002104	decrease	NUCB2	ENSG00000070081	17547211;
D002104	decrease	OS9	ENSG00000135506	17547211;
D002104	decrease	PDIA2	ENSG00000185615	16440303;
D002104	decrease	PGC	ENSG00000096088	17547211;
D002104	decrease	PSPH	ENSG00000146733	17547211;
D002104	decrease	SERPINA6	ENSG00000170099	17547211;
D002104	decrease	SERPINB1	ENSG00000021355	17547211;

D002104	decrease	SERPINC1	ENSG00000117601	17547211;
D002104	decrease	SOD1	ENSG00000142168	16440303;17120531;
D002104	decrease	TNFSF10	ENSG00000121858	17547211;
D002104	increase	ABCG2	ENSG00000118777	17547211;
D002104	increase	ANXA2	ENSG00000182718	17547211;
D002104	increase	ARHGDIA	ENSG00000141522	16440303;
D002104	increase	BIRC2	ENSG00000110330	14647439;
D002104	increase	CDKN1A	ENSG00000124762	17174997;14647439;
D002104	increase	CSF2	ENSG00000164400	18082304;
D002104	increase	CYP2C9	ENSG00000138109	11551516;
D002104	increase	ETS2	ENSG00000157557	17547211;
D002104	increase	FOS	ENSG00000170345	11738272;17125913;
D002104	increase	GADD45A	ENSG00000116717	17174997;
D002104	increase	GTPBP6	ENSG00000178605	17547211;
D002104	increase	HMOX1	ENSG00000100292	16959797;17244614;12716893;17156779;17547211;14647439;
D002104	increase	HSP90B1	ENSG00000166598	16440303;
D002104	increase	HSPA1A	ENSG00000232804	16460681;17244614;16729991;
D002104	increase	HSPA4	ENSG00000170606	16959797;
D002104	increase	IFITM2	ENSG00000185201	17547211;
D002104	increase	IL10	ENSG00000136634	18082304;
D002104	increase	IL1A	ENSG00000115008	18082304;
D002104	increase	IL1B	ENSG00000125538	18082304;
D002104	increase	IL6	ENSG00000136244	18082304;
D002104	increase	ITGB3BP	ENSG00000142856	17547211;
D002104	increase	JUN	ENSG00000177606	11738272;17125913;
D002104	increase	KIF2C	ENSG00000142945	19031421;
D002104	increase	MCM2	ENSG00000073111	17547211;
D002104	increase	MT1A	ENSG00000205362	12716893;16827180;17409696;15664440;
D002104	increase	MT1E	ENSG00000169715	16827180;12908821;
D002104	increase	MT1F	ENSG00000198417	16827180;
D002104	increase	MT1G	ENSG00000125144	16827180;
D002104	increase	MT1H	ENSG00000205358	16827180;
D002104	increase	MT1X	ENSG00000187193	16827180;17409696;
D002104	increase	MT2A	ENSG00000125148	15698955;12716893;17409708;17409696;15967203;15664440;
D002104	increase	MT3	ENSG00000087250	11087412;15461142;15782327;12220637;11994011;15698955;15755312;11738272;16854967;12908821;1512
D002104	increase	MYC	ENSG00000136997	11738272;
D002104	increase	PAK3	ENSG00000077264	19031421;
D002104	increase	PBK	ENSG00000168078	19031421;
D002104	increase	PDGFA	ENSG00000197461	17125913;
D002104	increase	PPIA	ENSG00000196262	16440303;
D002104	increase	PRDX1	ENSG00000117450	16440303;
D002104	increase	PRDX6	ENSG00000117592	16440303;
D002104	increase	PTTG1	ENSG00000164611	19031421;17547211;
D002104	increase	SERPINE2	ENSG00000135919	17547211;
D002104	increase	SFRS2	ENSG00000161547	17547211;
D002104	increase	SLC46A1	ENSG00000076351	17156779;

D002104	increase	SPP1	ENSG00000118785	17547211;
D002104	increase	STMN1	ENSG00000117632	16440303;
D002104	increase	TNFAIP3	ENSG00000118503	17547211;
D002104	increase	TP53	ENSG00000141510	10531375;17174997;
D002104	increase	TPX2	ENSG00000088325	19031421;
D002104	increase	TXN	ENSG00000136810	16440303;
D002104	increase	TYMS	ENSG00000176890	17547211;
D002104	increase	VDAC1	ENSG00000213585	16440303;
D002110	decrease	ACAT2	ENSG00000120437	11793227;
D002110	decrease	ALDH18A1	ENSG00000059573	11793227;
D002110	decrease	ANG	ENSG00000214274	11793227;
D002110	decrease	ATP5J2	ENSG00000241468	11793227;
D002110	decrease	CALU	ENSG00000128595	11793227;
D002110	decrease	CDK4	ENSG00000135446	11793227;
D002110	decrease	CYC1	ENSG00000179091	11793227;
D002110	decrease	DAD1	ENSG00000129562	11793227;
D002110	decrease	GLRX	ENSG00000173221	11793227;
D002110	decrease	GLT8D1	ENSG00000016864	11793227;
D002110	decrease	GLUD1	ENSG00000148672	11793227;
D002110	decrease	GSTO1	ENSG00000148834	11793227;
D002110	decrease	LDHA	ENSG00000134333	11793227;
D002110	decrease	MGST1	ENSG00000008394	11793227;
D002110	decrease	MICB	ENSG00000231179	18395517;
D002110	decrease	PRELID1	ENSG00000169230	11793227;
D002110	decrease	PSME3	ENSG00000131467	11793227;
D002110	decrease	RPS6KA3	ENSG00000177189	11793227;
D002110	decrease	SCFD1	ENSG00000249037	11793227;
D002110	decrease	SEC13	ENSG00000157020	11793227;
D002110	decrease	SEC23A	ENSG00000100934	11793227;
D002110	decrease	SERPINA6	ENSG00000170099	11793227;
D002110	decrease	SFRS1	ENSG00000136450	11793227;
D002110	decrease	SQLE	ENSG00000104549	11793227;
D002110	decrease	STRBP	ENSG00000165209	11793227;
D002110	decrease	TFDP1	ENSG00000198176	11793227;
D002110	decrease	TM9SF1	ENSG00000100926	11793227;
D002110	decrease	TMEM97	ENSG00000109084	11793227;
D002110	decrease	UQCRC2	ENSG00000140740	11793227;
D002110	increase	ACIN1	ENSG00000100813	11793227;
D002110	increase	ACSL3	ENSG00000123983	11793227;
D002110	increase	ARL6IP1	ENSG00000170540	11793227;
D002110	increase	CDKN1A	ENSG00000124762	17977830;18347191;18223691;
D002110	increase	EIF1	ENSG00000173812	11793227;
D002110	increase	IGFBP1	ENSG00000146678	11793227;
D002110	increase	MT1G	ENSG00000125144	11793227;
D002110	increase	OAT	ENSG00000065154	11793227;
D002110	increase	RRS1	ENSG00000179041	11793227;
D002110	increase	SLC16A1	ENSG00000155380	19023563;
D002110	increase	SMOX	ENSG00000088826	11793227;
D002110	increase	TP53	ENSG00000141510	17977830;16024610;16777994;
D002110	increase	UGT1A1	ENSG00000241635	18227147;
D002112	increase	CYP24A1	ENSG00000019186	16289102;16524720;
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D002117	decrease	ABCB10	ENSG00000135776	12875902;
D002117	decrease	ADAM28	ENSG00000042980	16002434;
D002117	decrease	ADRB2	ENSG00000169252	16002434;
D002117	decrease	AFF3	ENSG00000144218	16002434;
D002117	decrease	AGAP3	ENSG00000133612	16002434;
D002117	decrease	ALG13	ENSG00000101901	16002434;
D002117	decrease	ALOX12	ENSG00000108839	16002434;
D002117	decrease	APCDD1	ENSG00000154856	16002434;
D002117	decrease	ARHGEF3	ENSG00000163947	16002434;
D002117	decrease	ARL14	ENSG00000179674	16002434;
D002117	decrease	ARL4A	ENSG00000122644	16002434;
D002117	decrease	ARSI	ENSG00000183876	16002434;
D002117	decrease	ASS1	ENSG00000130707	12875902;
D002117	decrease	ATF3	ENSG00000162772	16002434;
D002117	decrease	ATP5F1	ENSG00000116459	16847355;15951637;
D002117	decrease	ATP6V1A	ENSG00000114573	12798352;
D002117	decrease	BAG1	ENSG00000250477	12479363;
D002117	decrease	BAIAP2	ENSG00000175866	16002434;
D002117	decrease	BAZ2A	ENSG00000076108	16002434;
D002117	decrease	BCL11B	ENSG00000127152	16002434;
D002117	decrease	BCL2	ENSG00000171791	15955619;12479363;
D002117	decrease	BCL2L1	ENSG00000171552	15955619;12479363;
D002117	decrease	BIRC2	ENSG00000110330	12479363;
D002117	decrease	BIRC3	ENSG00000023445	16002434;12479363;
D002117	decrease	C1ORF125	ENSG00000162779	16002434;
D002117	decrease	C1ORF61	ENSG00000125462	16002434;
D002117	decrease	C20ORF70	ENSG00000131050	16002434;
D002117	decrease	C8ORF34	ENSG00000165084	16002434;
D002117	decrease	C9ORF169	ENSG00000197191	16002434;
D002117	decrease	CBLB	ENSG00000114423	16002434;
D002117	decrease	CBX2	ENSG00000173894	16002434;
D002117	decrease	CCL20	ENSG00000115009	16002434;
D002117	decrease	CCNA1	ENSG00000133101	12875902;
D002117	decrease	CCND1	ENSG00000110092	15955619;
D002117	decrease	CCND2	ENSG00000118971	16847355;15951637;16002434;
D002117	decrease	CD44	ENSG00000026508	16051482;
D002117	decrease	CDC25A	ENSG00000164045	16002434;
D002117	decrease	CDR2L	ENSG00000109089	16002434;
D002117	decrease	CGA	ENSG00000135346	16002434;
D002117	decrease	CGNL1	ENSG00000128849	16002434;
D002117	decrease	CLDN1	ENSG00000163347	16002434;
D002117	decrease	COL4A2	ENSG00000134871	12875902;
D002117	decrease	CPA4	ENSG00000128510	16002434;
D002117	decrease	CRLS1	ENSG00000088766	16002434;
D002117	decrease	CSE1L	ENSG00000124207	12798352;
D002117	decrease	CSF1	ENSG00000184371	16002434;
D002117	decrease	CSRNP2	ENSG00000110925	16002434;
D002117	decrease	CTNNA1	ENSG00000044115	12875902;
D002117	decrease	CXCL11	ENSG00000169248	16002434;
D002117	decrease	CXCL14	ENSG00000145824	16002434;
D002117	decrease	CXCR7	ENSG00000144476	16002434;
D002117	decrease	CYP2S1	ENSG00000167600	16002434;
D002117	decrease	CYR61	ENSG00000142871	16002434;

D002117	decrease	DAB2IP	ENSG00000136848	16002434;
D002117	decrease	DAPK1	ENSG00000196730	16002434;
D002117	decrease	DCN	ENSG00000011465	16002434;
D002117	decrease	DHRS3	ENSG00000162496	16002434;
D002117	decrease	DLK2	ENSG00000171462	16002434;
D002117	decrease	EDN1	ENSG00000078401	16002434;
D002117	decrease	EEPD1	ENSG00000122547	16002434;
D002117	decrease	EFNB2	ENSG00000125266	16002434;
D002117	decrease	EIF2S1	ENSG00000134001	16847355;
D002117	decrease	EIF2S2	ENSG00000125977	16847355;15951637;
D002117	decrease	EIF2S3	ENSG00000130741	16847355;
D002117	decrease	EIF3B	ENSG00000106263	12875902;
D002117	decrease	EIF4A1	ENSG00000161960	12798352;
D002117	decrease	EIF4EBP2	ENSG00000148730	12798352;
D002117	decrease	ELF3	ENSG00000163435	16002434;
D002117	decrease	ETS2	ENSG00000157557	16002434;
D002117	decrease	FAM57A	ENSG00000167695	16002434;
D002117	decrease	FAM65A	ENSG00000039523	16002434;
D002117	decrease	FASN	ENSG00000169710	12798352;
D002117	decrease	FBXO32	ENSG00000156804	16002434;
D002117	decrease	FDXACB1	ENSG00000086848	16002434;
D002117	decrease	FGFBP1	ENSG00000137440	16002434;
D002117	decrease	FOLH1	ENSG00000086205	18247401;
D002117	decrease	FOXQ1	ENSG00000164379	16002434;
D002117	decrease	FUT4	ENSG00000196371	16002434;
D002117	decrease	GALNTL4	ENSG00000110328	16002434;
D002117	decrease	GCNT1	ENSG00000187210	16002434;
D002117	decrease	GLS	ENSG00000115419	16002434;
D002117	decrease	GLUL	ENSG00000135821	16002434;
D002117	decrease	GPR109B	ENSG00000182782	16002434;
D002117	decrease	GPR39	ENSG00000183840	16002434;
D002117	decrease	GPRC5B	ENSG00000167191	16002434;
D002117	decrease	GREM1	ENSG00000166923	15268896;16002434;
D002117	decrease	GRHL3	ENSG00000158055	16002434;
D002117	decrease	HHIP	ENSG00000164161	16002434;
D002117	decrease	HSPB3	ENSG00000169271	16002434;
D002117	decrease	HSPD1	ENSG00000144381	12875902;
D002117	decrease	HSPE1	ENSG00000115541	12875902;
D002117	decrease	ID2	ENSG00000115738	16002434;
D002117	decrease	IER3	ENSG00000137331	16002434;
D002117	decrease	IFIT1	ENSG00000185745	16002434;
D002117	decrease	IFIT2	ENSG00000119922	16002434;
D002117	decrease	IFIT3	ENSG00000119917	16002434;
D002117	decrease	IL1RN	ENSG00000136689	16002434;
D002117	decrease	IL7R	ENSG00000168685	16002434;
D002117	decrease	INHBA	ENSG00000122641	16002434;
D002117	decrease	IPO11	ENSG00000086200	16847355;
D002117	decrease	IPO13	ENSG00000117408	16847355;
D002117	decrease	IPO5	ENSG00000065150	16847355;
D002117	decrease	IPO7	ENSG00000205339	16847355;
D002117	decrease	IPO8	ENSG00000133704	16847355;
D002117	decrease	IPO9	ENSG00000198700	16847355;
D002117	decrease	IRF1	ENSG00000125347	16002434;
D002117	decrease	IRX3	ENSG00000177508	16002434;

D002117	decrease	JAG2	ENSG00000184916	16002434;
D002117	decrease	JUND	ENSG00000130522	16002434;
D002117	decrease	KCNJ15	ENSG00000157551	16002434;
D002117	decrease	KIAA1199	ENSG00000103888	16002434;
D002117	decrease	KITLG	ENSG00000049130	16002434;
D002117	decrease	KMO	ENSG00000117009	16002434;
D002117	decrease	KPNA2	ENSG00000182481	18614847;16847355;
D002117	decrease	KPNA3	ENSG00000102753	16847355;
D002117	decrease	KPNA4	ENSG00000186432	18614847;16847355;
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D002117	decrease	L3MBTL3	ENSG00000198945	16002434;
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D002117	increase	ZBTB38	ENSG00000177311	16002434;
				16002434;
D002117	increase	ZC3H12C	ENSG00000149289	16002434;
				16002434;
D002117	increase	ZFP36	ENSG00000128016	16002434;

D002117	increase	ZNF114	ENSG00000178150	16002434;
D002117	increase	ZNF167	ENSG00000196345	16002434;
D002117	increase	ZNF185	ENSG00000147394	16002434;
D002117	increase	ZNF462	ENSG00000148143	16002434;
D002117	increase	ZNF641	ENSG00000167528	16002434;
D002117	increase	ZSWIM6	ENSG00000130449	16002434;
D002118	affect	FGF23	ENSG00000118972	16381997;15086938;
D002118	affect	MMP1	ENSG00000196611	17508023;
D002118	affect	PTGS2	ENSG00000073756	12493747;
D002118	decrease	TP53	ENSG00000141510	16043423;
D002118	increase	IL6	ENSG00000136244	11238657;
				17000667;14505796;15748
D002118	increase	IL8	ENSG00000169429	943;10984371;11298490;16
				212921;
D002118	increase	IVL	ENSG00000163207	10469331;
D002118	increase	TGM1	ENSG00000092295	10469331;
D002122	increase	PPID	ENSG00000171497	18614807;
D002122	increase	S100A8	ENSG00000143546	17214633;
D002122	increase	S100A9	ENSG00000163220	17214633;
D002166	decrease	ABCB1	ENSG00000085563	17284363;10692111;
D002166	decrease	BCL2	ENSG00000171791	19481069;10692111;
D002166	decrease	BID	ENSG00000015475	19481069;
D002166	decrease	BIRC5	ENSG00000089685	16061681;
D002166	decrease	BRCA1	ENSG00000012048	10344722;
D002166	decrease	BRCA2	ENSG00000139618	10344722;
D002166	decrease	CAB39	ENSG00000135932	17374387;
D002166	decrease	CCNB1	ENSG00000134057	16061681;
D002166	decrease	CEBPZ	ENSG00000115816	17374387;
D002166	decrease	EP300	ENSG00000100393	10344722;
D002166	decrease	LGALS1	ENSG00000100097	19483324;
D002166	decrease	MAP3K5	ENSG00000197442	17374387;
D002166	decrease	MAPT	ENSG00000186868	16930453;
D002166	decrease	NCK2	ENSG00000071051	17374387;
D002166	decrease	PRC1	ENSG00000198901	17374387;
D002166	decrease	RAD51	ENSG00000051180	10344722;
D002166	decrease	RBL1	ENSG00000080839	15585644;
D002166	decrease	THBS1	ENSG00000137801	16962673;
D002166	decrease	XIAP	ENSG00000101966	16211302;16061681;
D002166	increase	AGRN	ENSG00000188157	17374387;
D002166	increase	ANXA4	ENSG00000196975	17374387;
D002166	increase	BAX	ENSG00000087088	19481069;15665116;17555
				331;
D002166	increase	CASP2	ENSG00000106144	14757846;
D002166	increase	CDKN1A	ENSG00000124762	11741290;9673414;175553
D002166	increase	CEACAM1	ENSG00000079385	17374387;
D002166	increase	DPYD	ENSG00000188641	16568373;
D002166	increase	EI24	ENSG00000149547	17374387;
D002166	increase	EPM2AIP1	ENSG00000178567	17374387;
D002166	increase	FDXR	ENSG00000161513	17374387;
D002166	increase	GSTP1	ENSG00000084207	15500952;14732228;
D002166	increase	JUN	ENSG00000177606	15585644;
D002166	increase	MAP2K3	ENSG00000034152	17374387;
D002166	increase	MDM2	ENSG00000135679	17555331;
D002166	increase	PLK3	ENSG00000173846	17374387;

D002166	increase	SDC1	ENSG00000115884	17374387;
D002166	increase	TAP1	ENSG00000230705	17374387;
D002166	increase	TAX1BP3	ENSG00000213977	17374387;
D002166	increase	TNFSF9	ENSG00000125657	17374387;
D002166	increase	TP53	ENSG00000141510	19481069;17555331;12082016;9673414;11741290;106
D002166	increase	TP53I3	ENSG00000115129	17374387;
D002166	increase	TYMS	ENSG00000176890	16568373;
D002193	decrease	BCL2	ENSG00000171791	16117893;
D002193	decrease	BIRC5	ENSG00000089685	16117893;
D002193	increase	AHR	ENSG00000106546	14644660;
D002193	increase	BAX	ENSG00000087088	16117893;
D002193	increase	CYP1A1	ENSG00000140465	14644660;
D002211	decrease	ACSL3	ENSG00000123983	18533110;
D002211	decrease	APOC1	ENSG00000130208	18533110;
D002211	decrease	BCL2	ENSG00000171791	18991268;17505005;18405923;
D002211	decrease	BCL2L1	ENSG00000171552	17505005;
D002211	decrease	BIRC5	ENSG00000089685	17505005;
D002211	decrease	CCND1	ENSG00000110092	17505005;
D002211	decrease	FABP4	ENSG00000170323	18533110;
D002211	decrease	FABP5	ENSG00000164687	18533110;
D002211	decrease	FOXA1	ENSG00000129514	18533110;
D002211	decrease	IL12B	ENSG00000113302	18533110;
D002211	decrease	PCTP	ENSG00000141179	18533110;
D002211	decrease	PPARA	ENSG00000186951	18769453;
D002211	decrease	PPARD	ENSG00000112033	18769453;
D002211	decrease	PPARG	ENSG00000132170	18769453;
D002211	decrease	RXRA	ENSG00000186350	18769453;
D002211	decrease	RXRB	ENSG00000235712	18769453;
D002211	decrease	SCP2	ENSG00000251612	18533110;
D002211	decrease	TGFB1	ENSG00000105329	18533110;
D002211	decrease	TM7SF2	ENSG00000149809	18533110;
D002211	decrease	VEGFA	ENSG00000112715	17505005;
D002211	increase	ABCB1	ENSG00000085563	16674925;
D002211	increase	ACOX1	ENSG00000161533	18533110;
D002211	increase	ALB	ENSG00000163631	18991268;
D002211	increase	AR	ENSG00000169083	19059400;
D002211	increase	ATF4	ENSG00000128272	18533110;
D002211	increase	BAX	ENSG00000087088	17292493;
D002211	increase	CALCA	ENSG00000110680	18584893;16996168;
D002211	increase	CALCB	ENSG00000175868	18584893;
D002211	increase	CASP3	ENSG00000164305	17442041;17505005;18405923;18991268;
D002211	increase	CDKN2A	ENSG00000147889	18533110;
D002211	increase	COX5A	ENSG00000178741	18991268;
D002211	increase	DDIT3	ENSG00000175197	18533110;
D002211	increase	GAPDH	ENSG00000111640	18991268;
D002211	increase	GFAP	ENSG00000131095	18405923;
D002211	increase	GLUD1	ENSG00000148672	18991268;
D002211	increase	GSTP1	ENSG00000084207	15313406;
D002211	increase	HSP90B1	ENSG00000166598	18991268;
D002211	increase	IL6	ENSG00000136244	17505005;17306835;
D002211	increase	LGALS1	ENSG00000100097	18991268;

D002211	increase	MAP2	ENSG00000078018	18405923;
D002211	increase	MMP1	ENSG00000196611	17508023;
D002211	increase	NPC1	ENSG00000141458	18533110;
D002211	increase	PRDX6	ENSG00000117592	18991268;
D002211	increase	RPS6KA3	ENSG00000177189	18991268;
D002211	increase	SC4MOL	ENSG00000052802	18533110;
D002211	increase	SUMO4	ENSG00000177688	18991268;
D002211	increase	TNF	ENSG00000223952	15313406;
D002211	increase	TP53	ENSG00000141510	17292493;18991268;
				15615864;16597917;18769
				453;17018028;18230619;17
D002211	increase	TRPV1	ENSG00000196689	442041;18804451;1679390
				2;17913835;17392452;1711
				0039;19056576;17306835;
D002211	increase	TRPV6	ENSG00000165125	17292493;
D002217	increase	CD40	ENSG00000101017	16879495;
D002219	increase	IFNG	ENSG00000111537	19111005;
D002219	increase	IL10	ENSG00000136634	19376255;
D002219	increase	IL12A	ENSG00000168811	19376255;19111005;
D002219	increase	IL12B	ENSG00000113302	19376255;19111005;
D002219	increase	IL1B	ENSG00000125538	19376255;19111005;
D002219	increase	IL6	ENSG00000136244	19376255;19111005;
D002219	increase	IL8	ENSG00000169429	19376255;19111005;
D002219	increase	TNF	ENSG00000223952	19376255;19111005;
D002220	affect	IL6	ENSG00000136244	10700573;
D002220	affect	TNF	ENSG00000223952	10700573;
D002220	increase	CYP2B6	ENSG00000197408	14977870;
				15915352;15286053;12065
				438;9512926;12673034;125
D002220	increase	CYP3A4	ENSG00000160868	05310;17954527;16837568;
				10219967;
D002220	increase	CYP3A5	ENSG00000106258	12673034;
D002220	increase	NR3C1	ENSG00000113580	12673034;10219967;
D002246	increase	LPA	ENSG00000198670	12712689;
D002251	decrease	C6ORF108	ENSG00000112667	11566570;
D002251	decrease	CRYBB3	ENSG00000100053	11566570;
D002251	decrease	MAPK3	ENSG00000102882	11566570;
D002251	decrease	MUTYH	ENSG00000132781	11566570;
D002251	decrease	PFDN5	ENSG00000123349	11566570;
D002251	decrease	PMS2	ENSG00000122512	11566570;
D002251	decrease	POU2F1	ENSG00000143190	11566570;
D002251	decrease	RRAD	ENSG00000166592	11566570;
D002251	increase	ABCB1	ENSG00000085563	15120965;
D002251	increase	ACTA2	ENSG00000107796	18207697;
D002251	increase	APOA2	ENSG00000158874	11566570;
D002251	increase	COL1A1	ENSG00000108821	18207697;17030193;
D002251	increase	CRYAB	ENSG00000109846	16815347;18207697;
D002251	increase	HTR1D	ENSG00000179546	11566570;
D002251	increase	IGF2	ENSG00000167244	11566570;
D002251	increase	IL6	ENSG00000136244	11566570;
D002251	increase	MAPK12	ENSG00000188130	11566570;
D002251	increase	NR1H4	ENSG00000012504	11566570;
D002251	increase	SERPINH1	ENSG00000149257	16815347;18207697;
D002251	increase	TF	ENSG00000091513	11566570;
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D002258	decrease	RBM3	ENSG00000102317	15075239;
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D002259	decrease	CASP8	ENSG00000064012	16039398;
D002259	decrease	CAT	ENSG00000121691	16039398;
D002259	decrease	CCNC	ENSG00000112237	16039398;
D002259	decrease	CCND1	ENSG00000110092	16039398;
D002259	decrease	CCNG1	ENSG00000113328	16039398;
D002259	decrease	DDB1	ENSG00000167986	16039398;
D002259	decrease	DNAJA1	ENSG00000086061	16039398;
D002259	decrease	EGR1	ENSG00000120738	16039398;
D002259	decrease	EPHX2	ENSG00000120915	16039398;
D002259	decrease	GADD45A	ENSG00000116717	16039398;
D002259	decrease	GSR	ENSG00000104687	16039398;
D002259	decrease	GSTM3	ENSG00000134202	16039398;
D002259	decrease	HMOX2	ENSG00000103415	16039398;
D002259	decrease	HSF1	ENSG00000185122	16039398;
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D002259	decrease	HSPA1L	ENSG00000204390	16039398;
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D002259	decrease	IL18	ENSG00000150782	16039398;
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D002259	decrease	RAD23A	ENSG00000179262	16039398;
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D002259	increase	SOD2	ENSG00000112096	16039398;
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D002330	decrease	ACTN1	ENSG00000072110	15980968;
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D002330	decrease	ALOX15B	ENSG00000179593	15980968;
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D002330	decrease	B4GALT5	ENSG00000158470	15980968;
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D002330	decrease	KRT17	ENSG00000128422	15980968;
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D002330	decrease	LAMB3	ENSG00000196878	15980968;
D002330	decrease	LMX1B	ENSG00000136944	15980968;
D002330	decrease	LOXL1	ENSG00000129038	15980968;
D002330	decrease	LRCH4	ENSG00000077454	15980968;
D002330	decrease	LRMP	ENSG00000118308	15980968;
D002330	decrease	MAD1L1	ENSG00000002822	15980968;
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D002330	decrease	MAPK10	ENSG00000109339	15980968;
D002330	decrease	MAT1A	ENSG00000151224	15980968;
D002330	decrease	MDK	ENSG00000110492	15980968;
D002330	decrease	MED1	ENSG00000125686	15980968;
D002330	decrease	MGAT3	ENSG00000128268	15980968;
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D002330	decrease	MUC2	ENSG00000198788	15980968;
D002330	decrease	MVD	ENSG00000167508	15980968;
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D002330	decrease	MYD88	ENSG00000172936	15980968;
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D002330	decrease	MYOG	ENSG00000122180	15980968;
D002330	decrease	NDUFC1	ENSG00000109390	15980968;
D002330	decrease	NKX2-2	ENSG00000125820	15980968;

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D002330	decrease	NRTN	ENSG00000171119	15980968;
D002330	decrease	PAEP	ENSG00000122133	15980968;
D002330	decrease	PAX8	ENSG00000125618	15980968;
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D002330	decrease	PCBD1	ENSG00000166228	15980968;
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D002330	decrease	PCOLCE	ENSG00000106333	15980968;
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D002330	decrease	PFKFB2	ENSG00000123836	15980968;
D002330	decrease	PFKM	ENSG00000152556	15980968;
D002330	decrease	PFN1	ENSG00000108518	15980968;
D002330	decrease	POLR2E	ENSG00000099817	15980968;
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D002330	decrease	PRC1	ENSG00000198901	17374387;
D002330	decrease	PRL	ENSG00000172179	15980968;
D002330	decrease	PRM2	ENSG00000122304	15980968;
D002330	decrease	PTPN3	ENSG00000070159	15980968;
D002330	decrease	PZP	ENSG00000126838	15980968;
D002330	decrease	RAD23A	ENSG00000179262	15980968;
D002330	decrease	RAD51	ENSG00000051180	15980968;
D002330	decrease	RCN1	ENSG00000049449	15980968;
D002330	decrease	RGR	ENSG00000248619	15980968;
D002330	decrease	RIT2	ENSG00000152214	15980968;
D002330	decrease	5-Sep	ENSG00000184702	15980968;
D002330	decrease	SFPQ	ENSG00000116560	15980968;
D002330	decrease	SGCA	ENSG00000108823	15980968;
D002330	decrease	SHMT2	ENSG00000182199	15980968;
D002330	decrease	SHOX	ENSG00000185960	15980968;
D002330	decrease	SLC30A3	ENSG00000115194	15980968;
D002330	decrease	SLCO1A2	ENSG00000084453	15980968;
D002330	decrease	SOCS1	ENSG00000185338	17374387;
D002330	decrease	SORBS2	ENSG00000154556	15980968;
D002330	decrease	SPEG	ENSG00000072195	15980968;
D002330	decrease	SPRR2B	ENSG00000196805	15980968;
D002330	decrease	SRP14	ENSG00000140319	15980968;
D002330	decrease	SRY	ENSG00000184895	15980968;
D002330	decrease	STAM	ENSG00000136738	15980968;
D002330	decrease	STX1B	ENSG00000099365	15980968;
D002330	decrease	STXBP2	ENSG00000076944	15980968;
D002330	decrease	TAC1	ENSG00000006128	15980968;
D002330	decrease	TCF21	ENSG00000118526	15980968;
D002330	decrease	TLE3	ENSG00000140332	15980968;
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D002330	decrease	TRAF1	ENSG00000056558	15980968;
D002330	decrease	TSPAN4	ENSG00000214063	15980968;
D002330	decrease	TUBG1	ENSG00000131462	15980968;
D002330	decrease	UPF1	ENSG00000005007	15980968;
D002330	decrease	VGF	ENSG00000128564	15980968;
D002330	decrease	WIPF1	ENSG00000115935	15980968;
D002330	decrease	YWHAH	ENSG00000128245	15980968;
D002330	decrease	ZBTB17	ENSG00000116809	15980968;
D002330	decrease	ZYX	ENSG00000159840	15980968;

D002330	increase	ABCB1	ENSG00000085563	15239124;
D002330	increase	AVPR1A	ENSG00000166148	15980968;
D002330	increase	BCL10	ENSG00000142867	15980968;
D002330	increase	CCL2	ENSG00000108691	15980968;
D002330	increase	CD80	ENSG00000121594	15980968;
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D002330	increase	CLTCL1	ENSG00000249108	15980968;
D002330	increase	CNTNAP1	ENSG00000108797	15980968;
D002330	increase	CTNNAL1	ENSG00000119326	15980968;
D002330	increase	CYTH1	ENSG00000108669	15980968;
D002330	increase	ECM2	ENSG00000106823	15980968;
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D002330	increase	EIF2B1	ENSG00000111361	15980968;
D002330	increase	ESRRA	ENSG00000173153	15980968;
D002330	increase	FNTA	ENSG00000168522	15980968;
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D002330	increase	GDI1	ENSG00000203879	15980968;
D002330	increase	GDI2	ENSG00000057608	15980968;
D002330	increase	GNRHR	ENSG00000109163	15980968;
D002330	increase	GOLGA4	ENSG00000144674	15980968;
D002330	increase	GPR65	ENSG00000140030	15980968;
D002330	increase	LAIR1	ENSG00000167613	15980968;
D002330	increase	PIK3R3	ENSG00000117461	15980968;
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D002330	increase	SLC16A2	ENSG00000147100	15980968;
D002330	increase	SLC6A2	ENSG00000103546	15980968;
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D002330	increase	SMPD2	ENSG00000135587	15980968;
D002330	increase	SNAPC1	ENSG00000023608	15980968;
D002330	increase	SNAPC3	ENSG00000164975	15980968;
D002330	increase	SNCG	ENSG00000173267	15980968;
D002330	increase	SNRPB2	ENSG00000125870	15980968;
D002330	increase	ST8SIA1	ENSG00000111728	15980968;
D002330	increase	STS	ENSG00000101846	15980968;
D002330	increase	TP53	ENSG00000141510	15735757;
D002330	increase	TUBB	ENSG00000229684	15980968;
D002330	increase	UGT8	ENSG00000174607	15980968;
D002331	increase	CPT1A	ENSG00000110090	16283381;
D002331	increase	SLC22A5	ENSG00000197375	16928358;19539806;15486076;16283381;
D002392	decrease	ABCG2	ENSG00000118777	17077187;
D002392	decrease	ARHGAP4	ENSG00000089820	15465739;
D002392	decrease	BCL2	ENSG00000171791	19557821;
D002392	decrease	BRCC3	ENSG00000185515	15465739;
D002392	decrease	CCND1	ENSG00000110092	16413414;
D002392	decrease	DEK	ENSG00000124795	15465739;
D002392	decrease	FLT3LG	ENSG00000090554	15465739;
D002392	decrease	HSPD1	ENSG00000144381	15465739;
D002392	decrease	IL2RA	ENSG00000134460	15465739;
D002392	decrease	IL32	ENSG00000008517	15465739;
D002392	decrease	IRF4	ENSG00000137265	15465739;
D002392	decrease	LYN	ENSG00000249529	15465739;
D002392	decrease	MIF	ENSG00000240972	15465739;

D002392	decrease	NFKBIA	ENSG00000100906	19557821;
D002392	decrease	NPM1	ENSG00000181163	15465739;
D002392	decrease	RAC1	ENSG00000136238	15465739;
D002392	decrease	SERPINE1	ENSG00000106366	17379280;
D002392	decrease	SF1	ENSG00000250652	15465739;
D002392	decrease	STAT1	ENSG00000115415	15465739;
D002392	decrease	TK1	ENSG00000167900	15465739;
D002392	decrease	TNFRSF8	ENSG00000120949	15465739;
D002392	decrease	TOP1	ENSG00000198900	15465739;
D002392	decrease	TOP2A	ENSG00000131747	15465739;
D002392	decrease	XCR1	ENSG00000173578	15465739;
D002392	increase	ANXA2	ENSG00000182718	15465739;
D002392	increase	ATF4	ENSG00000128272	15465739;
D002392	increase	BAT2	ENSG00000204469	15465739;
D002392	increase	BTG1	ENSG00000133639	15465739;
D002392	increase	CCL2	ENSG00000108691	17103373;
D002392	increase	CD19	ENSG00000177455	15465739;
D002392	increase	CD81	ENSG00000110651	15465739;
D002392	increase	CD9	ENSG00000010278	15465739;
D002392	increase	CEBPG	ENSG00000153879	15465739;
D002392	increase	CXCL10	ENSG00000169245	17103373;
D002392	increase	EWSR1	ENSG00000182944	15465739;
D002392	increase	FTH1	ENSG00000167996	15465739;
D002392	increase	GRN	ENSG00000030582	15465739;
D002392	increase	HCFC1	ENSG00000172534	15465739;
D002392	increase	HMOX1	ENSG00000100292	16799064;
D002392	increase	HOXD3	ENSG00000128652	15465739;
D002392	increase	ICAM1	ENSG00000090339	15465739;
D002392	increase	IL10	ENSG00000136634	15465739;
D002392	increase	IL1B	ENSG00000125538	19557821;17103373;
D002392	increase	ITGAL	ENSG00000005844	15465739;
D002392	increase	ITGB2	ENSG00000160255	17103373;
D002392	increase	MAP2K1	ENSG00000169032	15465739;
D002392	increase	NCF1	ENSG00000158517	17103373;19450372;
D002392	increase	NFE2L2	ENSG00000116044	16799064;
D002392	increase	NOTCH1	ENSG00000148400	15465739;
D002392	increase	PLAT	ENSG00000104368	11236827;
D002392	increase	PLAU	ENSG00000122861	11236827;
D002392	increase	PTGS2	ENSG00000073756	19557821;17103373;10920 275;
D002392	increase	RPL6	ENSG00000089009	15465739;
D002392	increase	S100B	ENSG00000160307	17103373;
D002392	increase	SLC20A1	ENSG00000144136	15465739;
D002392	increase	STAT5B	ENSG00000173757	15465739;
D002392	increase	STAT6	ENSG00000166888	15465739;
D002392	increase	TCF7	ENSG00000081059	15465739;
D002392	increase	TNF	ENSG00000223952	19557821;17103373;
D002392	increase	ZNF593	ENSG00000142684	15465739;
D002569	decrease	HNF4A	ENSG00000101076	17992261;
D002569	decrease	SHBG	ENSG00000129214	17992261;
D002635	decrease	CORO1A	ENSG00000102879	16040207;
D002635	decrease	PON1	ENSG00000005421	16269825;
D002635	decrease	SREBF1	ENSG00000072310	16269825;

D002635	increase	ABCB11	ENSG00000073734	16423920;12525500;14684751;12519787;
D002635	increase	ABCB4	ENSG00000005471	14527955;14623915;15588777;
D002635	increase	FGF19	ENSG00000162344	16269825;
D002635	increase	NR0B2	ENSG00000131910	16037943;16269825;
D002635	increase	NR1H4	ENSG00000012504	15307955;12519787;12525500;15576845;14527955;14684751;17567710;15145977;16037943;16423920;
D002635	increase	OSTALPHA	ENSG00000163959	16423920;
D002635	increase	OSTBETA	ENSG00000186198	16423920;
D002635	increase	VIPR1	ENSG00000114812	16037943;
D002699	affect	BIRC5	ENSG00000089685	17476690;
D002699	affect	TNFRSF10A	ENSG00000104689	14614459;
D002699	decrease	BCL2	ENSG00000171791	11699414;
D002699	decrease	HIST1H4C	ENSG00000182217	16861886;15556009;
D002699	increase	ABCB1	ENSG00000085563	15239124;
D002699	increase	BAX	ENSG00000087088	11699414;
D002699	increase	BBC3	ENSG00000105327	17476690;
D002699	increase	CDKN1B	ENSG00000111276	16039525;
D002699	increase	FAS	ENSG00000026103	17476690;11675354;
D002699	increase	MDM2	ENSG00000135679	17476690;
D002699	increase	RAD51	ENSG00000051180	10473103;
D002699	increase	SFN	ENSG00000175793	18092340;
D002699	increase	TNFRSF10B	ENSG00000120889	14614459;18092340;
D002699	increase	TP53	ENSG00000141510	18092340;
D002701	increase	ATG12	ENSG00000145782	17457038;
D002706	decrease	RB1	ENSG00000139687	10048758;
D002706	increase	CYP19A1	ENSG00000137869	16996190;
D002706	increase	CYP26A1	ENSG00000095596	15589975;
D002706	increase	CYP2B6	ENSG00000197408	15548381;
D002706	increase	CYP3A4	ENSG00000160868	12417264;15548381;
D002706	increase	NR1I2	ENSG00000144852	16054614;12417264;15548381;
D002706	increase	RARB	ENSG00000077092	15589975;
D002706	increase	RARG	ENSG00000172819	15589975;
D002725	increase	ABCB1	ENSG00000085563	15120965;
D002725	increase	IL8	ENSG00000169429	11306435;
D002738	increase	CCL2	ENSG00000108691	15139008;
D002738	increase	HSPA1B	ENSG00000232804	17046822;
D002738	increase	IL8	ENSG00000169429	15139008;
D002746	decrease	SLC2A3	ENSG00000059804	15342952;
D002746	increase	C10ORF10	ENSG00000165507	15342952;
D002746	increase	FABP1	ENSG00000163586	15342952;
D002746	increase	FNDC4	ENSG00000115226	15342952;
D002746	increase	GDPD3	ENSG00000102886	15342952;
D002746	increase	HPN	ENSG00000105707	15342952;
D002746	increase	INHBE	ENSG00000139269	15342952;
D002746	increase	LSS	ENSG00000160285	15342952;
D002746	increase	NUPR1	ENSG00000176046	15342952;
D002746	increase	PHYH	ENSG00000107537	15342952;
D002746	increase	SERPINA3	ENSG00000196136	15342952;
D002746	increase	WIP1	ENSG00000070540	15342952;
D002762	decrease	CCNE1	ENSG00000105173	12907249;

D002762	decrease	CDKN1A	ENSG00000124762	12907249;
D002762	decrease	ND4	ENSG00000198886	10491287;
D002762	decrease	VIM	ENSG00000026025	17024972;
D002762	increase	CD14	ENSG00000170458	15988048;
D002762	increase	CDA	ENSG00000158825	18537153;
D002762	increase	CDKN1B	ENSG00000111276	12907249;
D002762	increase	CDKN2D	ENSG00000129355	16582618;
D002762	increase	CYP24A1	ENSG00000019186	16207822;
D002762	increase	CYP2B6	ENSG00000197408	11991950;
D002762	increase	CYP2C9	ENSG00000138109	11991950;
D002762	increase	CYP3A4	ENSG00000160868	15005856;16207822;11991950;
D002762	increase	ITGAM	ENSG00000169896	15988048;
D002762	increase	ITGAX	ENSG00000140678	15988048;
D002762	increase	PML	ENSG00000140464	15988048;
D002762	increase	RARA	ENSG00000131759	15988048;
D002762	increase	TGFB1	ENSG00000105329	15988048;
D002762	increase	VDR	ENSG00000111424	17024972;
D002772	decrease	IL12A	ENSG00000168811	9927516;
D002772	decrease	IL12B	ENSG00000113302	9927516;
D002772	decrease	IL12RB1	ENSG00000096996	9927516;
D002772	decrease	IL12RB2	ENSG00000081985	9927516;
D002772	decrease	TNF	ENSG00000223952	9927516;
D002772	increase	BIRC3	ENSG00000023445	12837940;
D002772	increase	BIRC7	ENSG00000101197	12837940;
D002777	decrease	CYP7A1	ENSG00000167910	15145977;
D002777	increase	ABCB11	ENSG00000073734	15145977;
D002777	increase	NR0B2	ENSG00000131910	15145977;
D002784	increase	CES1	ENSG00000198848	11015575;8049197;127731
D002784	increase	FAS	ENSG00000026103	16162944;
D002784	increase	FGF7	ENSG00000140285	16162944;
D002784	increase	SCD	ENSG00000099194	16162944;
D002793	decrease	CDX2	ENSG00000165556	16990345;
D002794	affect	ALDH1A2	ENSG00000128918	17616785;
D002794	affect	ARHGAP9	ENSG00000123329	17616785;
D002794	affect	BUB1B	ENSG00000156970	17616785;
D002794	affect	CCL2	ENSG00000108691	17616785;
D002794	affect	CD163	ENSG00000177575	17616785;
D002794	affect	CD36	ENSG00000135218	17616785;
D002794	affect	CDCA8	ENSG00000134690	17616785;
D002794	affect	CHEK1	ENSG00000149554	17616785;
D002794	affect	COLEC12	ENSG00000158270	17616785;
D002794	affect	CST3	ENSG00000101439	17616785;
D002794	affect	CX3CR1	ENSG00000168329	17616785;
D002794	affect	DOCK2	ENSG00000134516	17616785;
D002794	affect	FOXA1	ENSG00000129514	17616785;
D002794	affect	GBE1	ENSG00000114480	17616785;
D002794	affect	GZMK	ENSG00000113088	17616785;
D002794	affect	HSPA5	ENSG00000044574	17616785;
D002794	affect	IL2RB	ENSG00000100385	17616785;
D002794	affect	KIF20A	ENSG00000112984	17616785;
D002794	affect	KIF23	ENSG00000137807	17616785;
D002794	affect	KLRF1	ENSG00000150045	17616785;
D002794	affect	MAL2	ENSG00000147676	17616785;

D002794	affect	1-Mar	ENSG00000145416	17616785;
D002794	affect	MGP	ENSG00000111341	17616785;
D002794	affect	MMP2	ENSG00000087245	17616785;
D002794	affect	MYOM2	ENSG00000036448	17616785;
D002794	affect	NFKBIA	ENSG00000100906	17616785;
D002794	affect	PDAP1	ENSG00000106244	17616785;
D002794	affect	PLAUR	ENSG00000011422	17616785;
D002794	affect	PRAME	ENSG00000185686	17616785;
D002794	affect	PTPRCAP	ENSG00000213402	17616785;
D002794	affect	RGS19	ENSG00000171700	17616785;
D002794	affect	RNPEPL1	ENSG00000142327	17616785;
D002794	affect	SFRP1	ENSG00000104332	17616785;
D002794	affect	SLC7A7	ENSG00000155465	17616785;
D002794	affect	SMARCA1	ENSG00000102038	17616785;
D002794	affect	TERT	ENSG00000164362	17616785;
D002794	affect	TNFAIP3	ENSG00000118503	17616785;
D002794	affect	UCK1	ENSG00000130717	17616785;
D002857	decrease	ACP2	ENSG00000134575	17547211;
D002857	decrease	ACSL1	ENSG00000151726	17547211;
D002857	decrease	AKR1B1	ENSG00000085662	17547211;
D002857	decrease	ATP2B1	ENSG00000070961	17547211;
D002857	decrease	AZGP1	ENSG00000160862	17547211;
D002857	decrease	C14ORF1	ENSG00000133935	17547211;
D002857	decrease	CALR	ENSG00000179218	17547211;
D002857	decrease	CDKN2A	ENSG00000147889	16828922;
D002857	decrease	CFB	ENSG00000243570	17547211;
D002857	decrease	CLGN	ENSG00000153132	17547211;
D002857	decrease	CLPTM1	ENSG00000104853	17547211;
D002857	decrease	CRYAA	ENSG00000160202	17547211;
D002857	decrease	CX3CL1	ENSG00000006210	17547211;
D002857	decrease	F5	ENSG00000198734	17547211;
D002857	decrease	FURIN	ENSG00000140564	17547211;
D002857	decrease	GGCX	ENSG00000115486	17547211;
D002857	decrease	GPER	ENSG00000164850	17547211;
D002857	decrease	HMGCR	ENSG00000113161	17547211;
D002857	decrease	IL17RB	ENSG00000056736	17547211;
D002857	decrease	ITIH3	ENSG00000162267	17547211;
D002857	decrease	MGAT2	ENSG00000168282	17547211;
D002857	decrease	MMP2	ENSG00000087245	16581223;
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D002857	decrease	OS9	ENSG00000135506	17547211;
D002857	decrease	PDIA4	ENSG00000155660	17547211;
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D002857	decrease	PGF	ENSG00000119630	17547211;
D002857	decrease	PNMA1	ENSG00000176903	17547211;
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D002857	decrease	SERPINB1	ENSG00000021355	17547211;
D002857	decrease	SERPINC1	ENSG00000117601	17547211;
D002857	decrease	SFRS5	ENSG00000100650	17547211;
D002857	decrease	TAF7	ENSG00000178913	17547211;
D002857	decrease	TNFSF10	ENSG00000121858	17547211;
D002857	decrease	TOB1	ENSG00000141232	17547211;
D002857	increase	ABCG2	ENSG00000118777	17547211;

D002857	increase	ADM	ENSG00000148926	17547211;
D002857	increase	ANXA2	ENSG00000182718	17547211;
D002857	increase	ASNS	ENSG00000070669	17547211;
D002857	increase	CAT	ENSG00000121691	16488005;
D002857	increase	CCNB2	ENSG00000157456	17547211;
D002857	increase	CDKN1A	ENSG00000124762	17547211;
D002857	increase	CHST3	ENSG00000122863	17547211;
D002857	increase	ENPP1	ENSG00000197594	17547211;
D002857	increase	FOSL1	ENSG00000175592	17547211;
D002857	increase	HIF1A	ENSG00000100644	16386771;
D002857	increase	HIST1H4C	ENSG00000182217	17547211;
D002857	increase	HMGA1	ENSG00000137309	17547211;
D002857	increase	HMG2	ENSG00000198830	17547211;
D002857	increase	HMOX1	ENSG00000100292	16488005;
D002857	increase	IER2	ENSG00000160888	17547211;
D002857	increase	ITGB3BP	ENSG00000142856	17547211;
D002857	increase	KLF10	ENSG00000155090	17547211;
D002857	increase	MAFF	ENSG00000185022	17547211;
D002857	increase	MCM2	ENSG00000073111	17547211;
D002857	increase	PIM1	ENSG00000137193	17547211;
D002857	increase	PPIH	ENSG00000171960	17547211;
D002857	increase	PTTG1	ENSG00000164611	17547211;
D002857	increase	RFC2	ENSG00000049541	17547211;
D002857	increase	RNASEH2A	ENSG00000104889	17547211;
D002857	increase	SFRS2	ENSG00000161547	17547211;
D002857	increase	SFRS7	ENSG00000115875	17547211;
D002857	increase	SIK1	ENSG00000142178	17547211;
D002857	increase	SNRPA	ENSG00000077312	17547211;
D002857	increase	TIMP1	ENSG00000102265	16581223;
D002857	increase	TNFAIP3	ENSG00000118503	17547211;
D002857	increase	TYMS	ENSG00000176890	17547211;
D002857	increase	UBE2C	ENSG00000175063	17547211;
D002857	increase	UGCG	ENSG00000148154	17547211;
D002857	increase	ZWINT	ENSG00000122952	17547211;
D002927	decrease	CD14	ENSG00000170458	11556524;
D002927	decrease	ITGA4	ENSG00000115232	11556524;
D002927	decrease	ITGAX	ENSG00000140678	11556524;
D002927	decrease	LRP1	ENSG00000123384	11556524;
D002927	increase	HRH2	ENSG00000113749	9681472;1912125;1223526
D002927	increase	IFNG	ENSG00000111537	10569698;
D002927	increase	IL16	ENSG00000172349	12235264;
D002927	increase	PDE4B	ENSG00000184588	11131300;
D002927	increase	TNF	ENSG00000223952	9088875;
D002939	decrease	BCL2	ENSG00000171791	12063570;
D002939	decrease	CDKN1A	ENSG00000124762	12063570;
D002939	decrease	IFNG	ENSG00000111537	16006447;
D002939	decrease	IL4	ENSG00000113520	16006447;
D002939	decrease	SLC2A1	ENSG00000117394	19022360;
D002939	increase	IL1B	ENSG00000125538	9267955;16148020;11052920;12428247;
D002939	increase	IL6	ENSG00000136244	11052920;9267955;
D002939	increase	IL8	ENSG00000169429	9267955;18191106;110529
D002939	increase	MMP13	ENSG00000137745	16148020;
D002939	increase	MMP1	ENSG00000196611	16148020;12428247;

D002939	increase	MMP3	ENSG00000149968	12428247;
D002939	increase	TGFB1	ENSG00000105329	19371339;
D002939	increase	TNF	ENSG00000223952	9267955;16939481;110529
D002945	affect	CNTF	ENSG00000242689	16898872;
D002945	affect	EDN2	ENSG00000127129	16898872;
D002945	affect	GDF15	ENSG00000130513	16898872;
D002945	affect	GUK1	ENSG00000143774	16898872;
D002945	affect	IFITM1	ENSG00000185885	16898872;18202764;16217747;
D002945	affect	NOTCH4	ENSG00000204301	16898872;
D002945	affect	NTHL1	ENSG00000065057	16898872;
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D002945	affect	RHOC	ENSG00000155366	16898872;
D002945	affect	RPS5	ENSG00000083845	16898872;
D002945	affect	TUBA1A	ENSG00000167552	16898872;
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D002945	decrease	ARHGEF6	ENSG00000129675	16803524;
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D002945	decrease	CFLAR	ENSG00000003402	14601052;
D002945	decrease	CREBBP	ENSG00000005339	17498666;
D002945	decrease	EGFR	ENSG00000146648	17146438;15723263;18337622;15737843;
D002945	decrease	EP300	ENSG00000100393	17498666;
D002945	decrease	ERBB2	ENSG00000141736	18337622;15737843;
D002945	decrease	ERCC1	ENSG00000012061	15173087;15737843;
D002945	decrease	GCNT1	ENSG00000187210	16803524;
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D002945	decrease	MGMT	ENSG00000170430	2766459;15015788;7562019;15809756;16043385;160317628013;16797627;16803524;
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D002945	decrease	PTK2	ENSG00000169398	16391810;
D002945	decrease	RELA	ENSG00000173039	19003803;
D002945	decrease	SERPINB4	ENSG00000206073	16803524;
D002945	decrease	SOCS1	ENSG00000185338	17374387;
D002945	decrease	TERT	ENSG00000164362	17923759;18021753;
D002945	decrease	TNFAIP3	ENSG00000118503	16803524;
D002945	decrease	TNFSF13	ENSG00000161955	18423122;
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D002945	decrease	XIAP	ENSG00000101966	204;16391810;15863139;11 911975;14654915;1614236 15756446;16785472;17284
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D002945	increase	BAX	ENSG00000087088	052;15641988;14512787;17 619073;16619537;
D002945	increase	BBC3	ENSG00000105327	16481741; 16009487;15917659;14601
D002945	increase	BCL2	ENSG00000171791	052;15981204;17404015;14 512787;17619073;1661953 16020667;15917659;14601
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D002945	increase	CASP8	ENSG00000064012	17619073;16803524;16009 487;18071906;
D002945	increase	CASP9	ENSG00000132906	17404015;17619073;16009 487;16803524;
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D002945	increase	DPYD	ENSG00000188641	16568373;18728667;16685 392;15737843;
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D002945	increase	ETV4	ENSG00000175832	16061661;
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D002945	increase	FAS	ENSG00000026103	16009487;16957513;17305 640;
D002945	increase	FASLG	ENSG00000117560	16009487;16957513;
D002945	increase	FGFR3	ENSG00000068078	12066199;
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D002945	increase	MT1A	ENSG00000205362	12680227;
D002945	increase	MT2A	ENSG00000125148	12680227;16394183;
D002945	increase	MT3	ENSG00000087250	16061661;16898872;
D002945	increase	MUT	ENSG00000146085	19427250;19199343;
D002945	increase	NUDT1	ENSG00000106268	16803524;
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D002945	increase	PCNA	ENSG00000132646	16803524;11099651;16685392;
D002945	increase	PFKFB4	ENSG00000114268	16803524;
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D002945	increase	PPIE	ENSG00000084072	16803524;
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D002945	increase	SNAP29	ENSG00000099940	16803524;
D002945	increase	SNRPA	ENSG00000077312	16803524;
D002945	increase	STYX	ENSG00000198252	16803524;
D002945	increase	TANK	ENSG00000136560	16803524;
D002945	increase	TLR2	ENSG00000137462	16803524;
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D002955	increase	CDKN1A	ENSG00000124762	15342418;
D002955	increase	DHFR	ENSG00000228716	16712799;
D002976	increase	IL10	ENSG00000136634	15502056;
D002976	increase	IL8	ENSG00000169429	15502056;
D002990	decrease	ABCC1	ENSG00000103222	16882163;
D002990	decrease	GCLC	ENSG00000001084	16882163;
D002990	increase	CYP3A5	ENSG00000106258	16882163;
D002994	increase	CCL2	ENSG00000108691	16600694;
D002994	increase	CYP1A1	ENSG00000140465	15521013;

D002994	increase	JUN	ENSG00000177606	16600694;
D002994	increase	RELA	ENSG00000173039	16600694;
D002995	decrease	CYP2A6	ENSG00000198077	11038160;
D002995	increase	CYP2C8	ENSG00000138115	15771232;
D002995	increase	CYP2C9	ENSG00000138109	15802389;
D002995	increase	CYP3A4	ENSG00000160868	15771232;
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D002997	decrease	AP1S1	ENSG00000106367	15342952;
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D003010	increase	UPF3B	ENSG00000125351	19691856;
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D003022	affect	NR3C1	ENSG00000113580	12673034;12695351;
D003022	affect	UGT1A1	ENSG00000241635	15849716;
D003022	increase	ABCB1	ENSG00000085563	8917702;8632764;
D003022	increase	ABCC2	ENSG00000023839	11836020;
D003022	increase	CYP2B6	ENSG00000197408	14977870;12695351;
D003022	increase	CYP3A4	ENSG00000160868	10219967;15135088;14977
				870;12065438;12673034;12
				505310;16837568;1546616
D003022	increase	CYP3A5	ENSG00000106258	3;8632764;
				12673034;8632764;
				12673034;
D003022	increase	CYP3A7	ENSG00000160870	14977870;15849716;16919
				048;15548381;12065438;12
				695351;
D003024	decrease	FCGR3B	ENSG00000162747	16510162;
D003024	decrease	SLC2A3	ENSG00000059804	15342952;
D003024	decrease	TAGLN	ENSG00000149591	15342952;
D003024	increase	ASAH1	ENSG00000104763	15342952;
D003024	increase	ASNS	ENSG00000070669	15342952;
D003024	increase	C10ORF10	ENSG00000165507	15342952;
D003024	increase	FABP1	ENSG00000163586	15342952;
D003024	increase	FASLG	ENSG00000117560	16510162;
D003024	increase	FNDC4	ENSG00000115226	15342952;
D003024	increase	GDPD3	ENSG00000102886	15342952;
D003024	increase	HMOX1	ENSG00000100292	18227147;
D003024	increase	HPN	ENSG00000105707	15342952;
D003024	increase	INHBE	ENSG00000139269	15342952;
D003024	increase	LSS	ENSG00000160285	15342952;
D003024	increase	NR0B2	ENSG00000131910	15342952;
D003024	increase	NUPR1	ENSG00000176046	15342952;
D003024	increase	SERPINA3	ENSG00000196136	15342952;
D003024	increase	UGT1A1	ENSG00000241635	18227147;
D003024	increase	WIP1	ENSG00000070540	15342952;
D003033	increase	CYP1A1	ENSG00000140465	16882163;15720126;
D003033	increase	CYP1A2	ENSG00000140505	16882163;
D003033	increase	CYP1B1	ENSG00000138061	16882163;15720126;
D003033	increase	CYP2C18	ENSG00000108242	16882163;
D003033	increase	CYP2S1	ENSG00000167600	16054184;
D003033	increase	GCLC	ENSG00000001084	16882163;
D003033	increase	GSTP1	ENSG00000084207	16882163;
D003033	increase	HMOX1	ENSG00000100292	16882163;
D003033	increase	NQO1	ENSG00000181019	16882163;
D003033	increase	PTGS2	ENSG00000073756	16882163;
D003035	decrease	CAT	ENSG00000121691	16488005;

D003035	increase	EPO	ENSG00000130427	10699462;
D003035	increase	FOS	ENSG00000170345	14971665;
D003035	increase	GSTA1	ENSG00000243955	14971665;
D003035	increase	HIF1A	ENSG00000100644	16877034;16386771;
D003035	increase	HMOX1	ENSG00000100292	16488005;
D003035	increase	MT2A	ENSG00000125148	14971665;
D003035	increase	NDRG1	ENSG00000104419	16386771;
D003078	decrease	MAPT	ENSG00000186868	16930453;
D003078	decrease	TAT	ENSG00000198650	15744361;
D003078	increase	ABCB1	ENSG00000085563	16007523;15112361;15725475;15342794;
D003276	decrease	MKI67	ENSG00000148773	16019350;
D003276	decrease	PROC	ENSG00000115718	15185533;
D003276	decrease	PROS1	ENSG00000184500	15185533;
D003276	increase	PLG	ENSG00000122194	15185533;
D003277	decrease	FSHB	ENSG00000131808	11228061;
D003277	decrease	LHB	ENSG00000104826	11228061;
D003277	increase	SHBG	ENSG00000129214	16409223;
D003300	decrease	AR	ENSG00000169083	17308104;
D003300	decrease	BCL2	ENSG00000171791	16962711;
D003300	decrease	CCNA2	ENSG00000145386	15367699;
D003300	decrease	SRC	ENSG00000197122	16600465;
D003300	increase	APP	ENSG00000142192	16648635;16627626;18583042;17239395;17119284;15699049;16325427;1696271
D003300	increase	BACE1	ENSG00000186318	18583042;
D003300	increase	BAX	ENSG00000087088	16962711;
D003300	increase	CASP3	ENSG00000164305	16962711;
D003300	increase	CCS	ENSG00000173992	16627626;
D003300	increase	CP	ENSG00000047457	16842975;17242517;17032174;10949969;
D003300	increase	F3	ENSG00000117525	7600656;
D003300	increase	FOS	ENSG00000170345	17032174;
D003300	increase	HIF1A	ENSG00000100644	16973622;
D003300	increase	HMOX1	ENSG00000100292	17244614;19888908;
D003300	increase	HSPA1A	ENSG00000232804	17244614;
D003300	increase	HSPA8	ENSG00000109971	16600465;
D003300	increase	IL8	ENSG00000169429	18464055;
D003300	increase	JUN	ENSG00000177606	17032174;
D003300	increase	MMP2	ENSG00000087245	16648635;
D003300	increase	MMP3	ENSG00000149968	16648635;
D003300	increase	MT1X	ENSG00000187193	17409696;
D003300	increase	MT2A	ENSG00000125148	17409696;
D003300	increase	NOS1	ENSG00000089250	16962711;
D003300	increase	NOS2	ENSG00000007171	16962711;
D003300	increase	SOD1	ENSG00000142168	19325915;10889018;16962711;10949969;16627626;17112476;
D003345	increase	SLC1A2	ENSG00000110436	17138558;
D003374	decrease	ESR1	ENSG00000091831	17275315;
D003375	decrease	AR	ENSG00000169083	11867264;

D003375	decrease	ESR1	ENSG00000091831	16328721;11162928;16566672;11518614;9751507;15876408;10397250;15084758;11867264;16118406;17275032;12650720;
D003375	decrease	IL2	ENSG00000109471	16696175;
D003375	decrease	NFKB1	ENSG00000109320	16696175;
D003375	increase	PGR	ENSG00000082175	11867264;
D003474	affect	KDR	ENSG00000128052	17960570;
D003474	affect	MAPK14	ENSG00000112062	17151092;18357586;
D003474	affect	SELE	ENSG00000007908	17960570;
D003474	affect	TP53	ENSG00000141510	19020741;17332930;17041101;17332326;
D003474	decrease	AARS	ENSG00000090861	17198877;
D003474	decrease	ABCB1	ENSG00000085563	17121181;18414057;18439772;
D003474	decrease	ADCY9	ENSG00000162104	15713895;
D003474	decrease	AGR2	ENSG00000106541	17198877;
D003474	decrease	AKT1	ENSG00000142208	18660423;18214481;17291458;17640567;16219905;17918158;16023083;19372569;18790744;17289836;17596214;17332930;
D003474	decrease	ALDOA	ENSG00000149925	16880289;
D003474	decrease	ALDOC	ENSG00000109107	17198877;
D003474	decrease	ANKRD37	ENSG00000186352	17198877;
D003474	decrease	ANKRD50	ENSG00000151458	17999991;
D003474	decrease	ANKZF1	ENSG00000163516	17198877;
D003474	decrease	APC	ENSG00000134982	15713895;
D003474	decrease	ARHGAP30	ENSG00000186517	18421014;
D003474	decrease	ARNT	ENSG00000143437	16880289;18682687;19018768;
D003474	decrease	BIRC5	ENSG00000089685	17671737;19235267;17596214;19372569;16106398;16023083;18593936;
D003474	decrease	CASP7	ENSG00000165806	16101141;16023083;
D003474	decrease	CASP8	ENSG00000064012	17148446;17096185;14555224;16173963;
D003474	decrease	CCNB1	ENSG00000134057	18719366;19401701;17148446;
D003474	decrease	CCNE1	ENSG00000105173	17148446;18156803;
D003474	decrease	CD36	ENSG00000135218	16713233;
D003474	decrease	CD40	ENSG00000101017	16101141;
D003474	decrease	CD55	ENSG00000196352	17999991;
D003474	decrease	CDC25C	ENSG00000158402	16106398;19401701;
D003474	decrease	CDH11	ENSG00000140937	18025290;
D003474	decrease	CDH17	ENSG00000079112	17198877;
D003474	decrease	CDK1	ENSG00000170312	19401701;16106398;17148446;
D003474	decrease	CDK4	ENSG00000135446	18156803;
D003474	decrease	CDK6	ENSG00000105810	18156803;
D003474	decrease	CLCN6	ENSG00000011021	17198877;
D003474	decrease	COL4A5	ENSG00000188153	15713895;
D003474	decrease	CTGF	ENSG00000118523	17965732;
D003474	decrease	CTNNB1	ENSG00000168036	17041101;19294764;19573523;
D003474	decrease	CXCL1	ENSG00000163739	17999991;

D003474	decrease	CXCL2	ENSG00000081041	17999991;
D003474	decrease	DDIT4L	ENSG00000145358	17999991;
D003474	decrease	DHRS1	ENSG00000157379	17198877;
D003474	decrease	DVL1	ENSG00000107404	19573523;
D003474	decrease	E2F5	ENSG00000133740	15713895;
D003474	decrease	EDIL3	ENSG00000164176	18421014;
				15129424;10851300;18214
D003474	decrease	EGFR	ENSG00000146648	481;17918158;18719366;15
				486348;
D003474	decrease	EIF1	ENSG00000173812	17999991;
D003474	decrease	ELF2	ENSG00000109381	15713895;
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D003474	decrease	EP300	ENSG00000100393	17927689;
D003474	decrease	EPO	ENSG00000130427	16880289;
D003474	decrease	ERBB2	ENSG00000141736	17041101;17918158;18719
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D003474	decrease	ERCC1	ENSG00000012061	17596214;
D003474	decrease	ERN1	ENSG00000178607	17999991;
D003474	decrease	ESR1	ENSG00000091831	15899841;18347134;
D003474	decrease	ETS2	ENSG00000157557	17332326;
D003474	decrease	FAM120B	ENSG00000112584	17999991;
D003474	decrease	FASLG	ENSG00000117560	16101141;
D003474	decrease	FGFR2	ENSG00000066468	15713895;
D003474	decrease	FLT1	ENSG00000102755	18593936;
D003474	decrease	FOXF2	ENSG00000137273	15713895;
D003474	decrease	FZD1	ENSG00000157240	15713895;
D003474	decrease	GPER	ENSG00000164850	17198877;
D003474	decrease	H1FX	ENSG00000184897	17198877;
D003474	decrease	HBS1L	ENSG00000112339	18421014;
D003474	decrease	HDAC1	ENSG00000116478	17927689;18161303;
D003474	decrease	HDAC2	ENSG00000196591	18421014;
D003474	decrease	HDAC3	ENSG00000171720	17927689;
D003474	decrease	HIF1A	ENSG00000100644	16880289;18682687;
D003474	decrease	IDO1	ENSG00000131203	18348204;
D003474	decrease	IFNK	ENSG00000147896	18421014;
D003474	decrease	IGF1R	ENSG00000140443	17499312;17918158;
D003474	decrease	IGFBP3	ENSG00000146674	16101141;17499312;
D003474	decrease	IGLL1	ENSG00000128322	17198877;
D003474	decrease	IKBKB	ENSG00000104365	16023083;16219905;17965
				732;
D003474	decrease	IL2	ENSG00000109471	19761891;
D003474	decrease	INSIG2	ENSG00000125629	18704882;
D003474	decrease	JAK2	ENSG00000096968	16959222;
D003474	decrease	JSRP1	ENSG00000167476	17198877;
D003474	decrease	KCNMB2	ENSG00000197584	17198877;
D003474	decrease	KLF10	ENSG00000155090	17999991;
D003474	decrease	KLHL24	ENSG00000114796	17198877;
D003474	decrease	KLK2	ENSG00000167751	18719366;
D003474	decrease	KRAS	ENSG00000133703	17041101;
D003474	decrease	KRTAP2-1	ENSG00000212725	17999991;
D003474	decrease	LRMP	ENSG00000118308	17198877;
D003474	decrease	MAP2K4	ENSG00000065559	15713895;

D003474	decrease	MAPK1	ENSG00000100030	18357586;11322385;19074 641;18214481;18555241;18 316600;
D003474	decrease	MAPK3	ENSG00000102882	18357586;11322385;19074 641;18214481;18555241;18 316600;
D003474	decrease	MCM7	ENSG00000166508	17198877;
D003474	decrease	MDM2	ENSG00000135679	17332326;
D003474	decrease	MFI2	ENSG00000163975	17198877;
D003474	decrease	MKI67	ENSG00000148773	19372569;18226269;
D003474	decrease	MME	ENSG00000196549	17198877;
D003474	decrease	MMP14	ENSG00000157227	18495463;
D003474	decrease	MMP2	ENSG00000087245	19189304;18226269;17996 675;18495463;
D003474	decrease	MPHOSPH6	ENSG00000135698	18421014;
D003474	decrease	MVD	ENSG00000167508	17198877;
D003474	decrease	MXD3	ENSG00000213347	17198877;15713895;
D003474	decrease	NAIP	ENSG00000250628	19250217;17671737;15911 101;
D003474	decrease	NANOS1	ENSG00000188613	17999991;
D003474	decrease	NFKB1	ENSG00000109320	17041101;16219905;17399 992;16243823;15489888;17 640567;17596214;1617396 3;16023083;18593936;1855 5241;16299251;
D003474	decrease	NFYA	ENSG00000001167	15713895;
D003474	decrease	NHLRC2	ENSG00000196865	17999991;
D003474	decrease	NKX3-1	ENSG00000167034	17303007;18719366;
D003474	decrease	NOTCH1	ENSG00000148400	17927689;18640131;
D003474	decrease	NPC2	ENSG00000119655	17198877;
D003474	decrease	NR4A2	ENSG00000153234	17999991;
D003474	decrease	OTUD7B	ENSG00000163113	18421014;
D003474	decrease	PCK1	ENSG00000124253	17198877;
D003474	decrease	PFKFB4	ENSG00000114268	17198877;
D003474	decrease	PHB	ENSG00000167085	19137819;
D003474	decrease	PMEPA1	ENSG00000124225	18719366;
D003474	decrease	POLB	ENSG00000070501	19401701;
D003474	decrease	PPARD	ENSG00000112033	19294764;
D003474	decrease	PPARG	ENSG00000132170	15713005;15486348;17965 732;
D003474	decrease	PPP3CC	ENSG00000120910	17198877;
D003474	decrease	PRKDC	ENSG00000121031	17596214;
D003474	decrease	PTPN13	ENSG00000163629	15713895;
D003474	decrease	RAMP1	ENSG00000132329	17198877;
D003474	decrease	RFXAP	ENSG00000133111	17999991;
D003474	decrease	RGS7	ENSG00000182901	17999991;
D003474	decrease	RIMS2	ENSG00000176406	17999991;
D003474	decrease	RUNX2	ENSG00000250096	15129424;
D003474	decrease	SCRN2	ENSG00000141295	17198877;
D003474	decrease	SDHA	ENSG00000073578	17198877;
D003474	decrease	SFRP5	ENSG00000120057	16101141;
D003474	decrease	SFRS5	ENSG00000100650	17999991;
D003474	decrease	SFXN1	ENSG00000164466	18421014;
D003474	decrease	SLC37A4	ENSG00000137700	16777101;
D003474	decrease	SNAI2	ENSG00000019549	19573523;

D003474	decrease	SP1	ENSG00000185591	18347134;18593936;
D003474	decrease	SP3	ENSG00000172845	18593936;
D003474	decrease	SP4	ENSG00000105866	18593936;
D003474	decrease	SRC	ENSG00000197122	16959222;
D003474	decrease	STAT5A	ENSG00000126561	16959222;
D003474	decrease	STAT5B	ENSG00000173757	16959222;
D003474	decrease	STS	ENSG00000101846	17198877;
D003474	decrease	SUZ12	ENSG00000178691	18421014;
D003474	decrease	TBC1D1	ENSG00000065882	17198877;
D003474	decrease	TIMP1	ENSG00000102265	17996675;
D003474	decrease	TIMP2	ENSG00000035862	17996675;
D003474	decrease	TMPRSS2	ENSG00000184012	18719366;
D003474	decrease	TOP2A	ENSG00000131747	18348204;18414057;
D003474	decrease	TRADD	ENSG00000102871	15713895;
D003474	decrease	TREM1	ENSG00000124731	17198877;
D003474	decrease	VHL	ENSG00000134086	18682687;
D003474	decrease	WT1	ENSG00000184937	19196508;18034345;
D003474	decrease	XRCC5	ENSG00000079246	17596214;
D003474	decrease	XRCC6	ENSG00000196419	17596214;
D003474	decrease	YPEL3	ENSG00000090238	17198877;
D003474	decrease	YWHAE	ENSG00000108953	19294764;
D003474	decrease	ZFHX3	ENSG00000140836	17198877;
D003474	decrease	ZFP36L1	ENSG00000185650	15713895;
D003474	decrease	ZNF589	ENSG00000164048	18421014;
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D003474	increase	ABCG1	ENSG00000160179	16713233;
D003474	increase	ABCG2	ENSG00000118777	17077187;
D003474	increase	ADAM17	ENSG00000151694	17666914;
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D003474	increase	AHR	ENSG00000106546	17077187;19018768;
D003474	increase	AKAP6	ENSG00000151320	18421014;
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D003474	increase	AQP3	ENSG00000165272	18214481;
D003474	increase	AR	ENSG00000169083	18676361;18719366;12497104;
D003474	increase	ATF3	ENSG00000162772	18719366;15713895;18555241;
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D003474	increase	BAD	ENSG00000002330	19235267;
D003474	increase	BAK1	ENSG00000030110	17332930;18226269;
D003474	increase	BAX	ENSG00000087088	17332930;19235267;17671742;17096185;18226269;
D003474	increase	BBC3	ENSG00000105327	17332930;
D003474	increase	BCL2A1	ENSG00000140379	16219905;17596214;
D003474	increase	BCL2	ENSG00000171791	19250217;17671737;16243823;16219905;17640567;17596214;17671742;17332930;19235267;19372569;18226269;16023083;18593936;17096185;12497104;186401
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D003474	increase	BCL2L2	ENSG00000129473	16101141;
D003474	increase	BCOR	ENSG00000183337	17198877;
D003474	increase	BIRC2	ENSG00000110330	17671737;16243823;16219905;17640567;17596214;16023083;
D003474	increase	BIRC3	ENSG00000023445	16243823;16219905;17596214;19372569;15911101;16101141;
D003474	increase	BIRC7	ENSG00000101197	15911101;
D003474	increase	CASP1	ENSG00000137752	16101141;
D003474	increase	CASP2	ENSG00000106144	16101141;
D003474	increase	CASP3	ENSG00000164305	17332930;17041101;17148446;19294764;19235267;17640567;17671742;17096185;17363495;19401701;16023083;16101141;18555241;
D003474	increase	CASP4	ENSG00000196954	16101141;
D003474	increase	CASP9	ENSG00000132906	16101141;17148446;17671742;14555224;16023083;18555241;
D003474	increase	CCL2	ENSG00000108691	17666914;17198877;
D003474	increase	CCND1	ENSG00000110092	17041101;16243823;16219905;15489888;17640567;19189304;15486348;19372569;16959222;17148446;19573523;18226269;16106398;16023083;18593936;18790744;18316600;18156803;18615551;
D003474	increase	CCPG1	ENSG00000214882	17198877;
D003474	increase	CD14	ENSG00000170458	18180316;
D003474	increase	CD44	ENSG00000026508	15713895;
D003474	increase	CDC14B	ENSG00000081377	17198877;
D003474	increase	CDH1	ENSG00000039068	19573523;
D003474	increase	CDKN1A	ENSG00000124762	17332326;18593936;17148446;18316600;18161303;15713895;18226269;1815680
D003474	increase	CDKN1B	ENSG00000111276	18593936;15713895;18226269;18156803;
D003474	increase	CDKN2A	ENSG00000147889	17148446;18156803;
D003474	increase	CFLAR	ENSG00000003402	16219905;16173963;
D003474	increase	COL2A1	ENSG00000139219	18321735;
D003474	increase	CXCL12	ENSG00000107562	18660423;
D003474	increase	CXCR4	ENSG00000121966	18660423;17198877;
D003474	increase	CYP1A1	ENSG00000140465	19018768;17012224;15841493;11454723;
D003474	increase	CYP1B1	ENSG00000138061	19018768;17637178;
D003474	increase	CYP3A4	ENSG00000160868	17270371;17965521;17210444;
D003474	increase	CYTH4	ENSG00000100055	17198877;
D003474	increase	DAXX	ENSG00000231617	16101141;
D003474	increase	DDIT3	ENSG00000175197	17171638;16613838;18719366;

D003474	increase	DNAJB9	ENSG00000128590	17999991;
D003474	increase	DUSP10	ENSG00000143507	15713895;17151092;
D003474	increase	DUSP1	ENSG00000120129	15713895;
D003474	increase	DUSP5	ENSG00000138166	17198877;
D003474	increase	DYNLL1	ENSG00000088986	17198877;
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D003474	increase	FDPS	ENSG00000160752	16713233;
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D003474	increase	HIST3H2BB	ENSG00000196890	15713895;
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D003474	increase	PTPN7	ENSG00000143851	8940178;
D003474	increase	RARA	ENSG00000131759	17198877;
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D003474	increase	RBM39	ENSG00000131051	16219905;12216086;18413660;19074641;15911101;12388107;16819191;17291458;17399992;17927689;16243823;18593918;17666914;15489888;17640567;17273796;18226269;16173963;16023083;17999991;18593936;18555241;19372569;18640121
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D003474	increase	RPL31	ENSG00000071082	16101141;
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D003513	affect	EFNB2	ENSG00000125266	16688769;
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D003520	affect	ST14	ENSG00000149418	16322899;
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D003609	decrease	CASP7	ENSG00000165806	16001973;

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D003609	decrease	MAP2K4	ENSG00000065559	16001973;
D003609	decrease	MAP3K7	ENSG00000135341	16001973;
D003609	decrease	MYC	ENSG00000136997	16001973;
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D003609	increase	CD1D	ENSG00000158473	17392484;
D003609	increase	CD28	ENSG00000178562	11465111;
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D003609	increase	CYP1B1	ENSG00000138061	11752201;
D003609	increase	CYP3A4	ENSG00000160868	15795092;
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D003609	increase	EFNB2	ENSG00000125266	16688769;
D003609	increase	GAPDH	ENSG00000111640	16001973;
D003609	increase	GDF15	ENSG00000130513	17257620;
D003609	increase	HMOX1	ENSG00000100292	18357586;8764571;
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D003609	increase	PAPPA	ENSG00000182752	16338976;
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D003609	increase	PLAU	ENSG00000122861	11236827;
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D003609	increase	ROS1	ENSG00000047936	16001973;
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D003630	decrease	MAPT	ENSG00000186868	16930453;
D003630	decrease	NCK2	ENSG00000071051	17374387;
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D003630	increase	ANXA4	ENSG00000196975	17374387;
D003630	increase	CCNG2	ENSG00000138764	18754885;
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D003633	increase	KIT	ENSG00000157404	19422813;
D003633	increase	PDGFRA	ENSG00000134853	19422813;
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D003634	increase	HSPA5	ENSG00000044574	15710169;
D003634	increase	IL4	ENSG00000113520	12696651;
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D003687	decrease	RB1	ENSG00000139687	15752352;
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D003687	increase	TP53	ENSG00000141510	15752352;
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D003840	increase	NR1H4	ENSG00000012504	14684751;17567710;
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D003891	decrease	IFNA1	ENSG00000197919	15885359;

D003891	decrease	NR3C1	ENSG00000113580	15885359;
D003902	increase	TRIM21	ENSG00000132109	9833039;
D003907	affect	HLA-DQB1	ENSG00000179344	12732289;
D003907	affect	IL10	ENSG00000136634	16357325;
D003907	affect	LYN	ENSG00000249529	12732289;
D003907	affect	NOG	ENSG00000183691	15268896;
D003907	affect	NR1I2	ENSG00000144852	16054614;12695351;12065438;
D003907	affect	NR1I3	ENSG00000143257	12695351;
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D003907	decrease	BCL2	ENSG00000171791	15867202;
D003907	decrease	BCL2L1	ENSG00000171552	15804364;
D003907	decrease	CCR3	ENSG00000183625	15931867;
D003907	decrease	CDK2	ENSG00000123374	12800980;
D003907	decrease	CHI3L1	ENSG00000133048	16357325;
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D003907	decrease	PLAU	ENSG00000122861	12732289;
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D003907	increase	CYP1A1	ENSG00000140465	10923861;16985168;15620718;
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D003907	increase	DUSP1	ENSG00000120129	16144937;
D003907	increase	EEF1A2	ENSG00000101210	16144937;
D003907	increase	ERBB4	ENSG00000178568	16144937;
D003907	increase	EREG	ENSG00000124882	16144938;
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D003907	increase	HNF4A	ENSG00000101076	17978169;
D003907	increase	HPGD	ENSG00000164120	15680906;
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D003907	increase	IGFBP1	ENSG00000146678	18483179;
D003907	increase	IL15	ENSG00000164136	16144937;
D003907	increase	IL1B	ENSG00000125538	16354411;16359550;15382119;
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D003907	increase	MYB	ENSG00000118513	16144937;
D003907	increase	MYC	ENSG00000136997	2558650;
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D003907	increase	NFKBIA	ENSG00000100906	15489888;12732289;
				18483179;15698552;16857
				225;11956172;15705660;11
D003907	increase	NR3C1	ENSG00000113580	861974;15382119;1593321
				2;15817653;12695351;1662
				1434;12730620;16243974;1
				5813899;10219967;179781
D003907	increase	OLFM4	ENSG00000102837	15679045;
D003907	increase	PER1	ENSG00000179094	15679045;
D003907	increase	PLAG1	ENSG00000181690	16144937;
D003907	increase	PRKX	ENSG00000183943	16144937;
D003907	increase	PTGS2	ENSG00000073756	16354411;19255438;15489
				888;15680906;
D003907	increase	RREB1	ENSG00000124782	16144937;
D003907	increase	SCEL	ENSG00000136155	16144937;
D003907	increase	SDCBP	ENSG00000137575	16144937;
D003907	increase	SFRP1	ENSG00000104332	16144937;
D003907	increase	SFTPB	ENSG00000168878	16857225;2539393;
D003907	increase	SFTPC	ENSG00000168484	2539393;
D003907	increase	SGK1	ENSG00000118515	15679045;
D003907	increase	SLC5A5	ENSG00000105641	16234306;16954431;
D003907	increase	SLC9A3	ENSG00000066230	16564041;
D003907	increase	SOCS1	ENSG00000185338	12732289;
D003907	increase	SOST	ENSG00000167941	15268896;
D003907	increase	SOX9	ENSG00000125398	17502159;
D003907	increase	TACC2	ENSG00000138162	16144939;
D003907	increase	TFF1	ENSG00000160182	15525692;
D003907	increase	TGFB1	ENSG00000105329	17502159;
D003907	increase	TGFB3	ENSG00000119699	16144937;
D003907	increase	TGFBR2	ENSG00000163513	12732289;
				15489888;19255438;16243
D003907	increase	TNF	ENSG00000223952	974;16769766;12721113;10
				883730;
D003907	increase	TSC22D3	ENSG00000157514	19255438;17081986;18483
				179;
D003907	increase	UGT1A1	ENSG00000241635	15557560;15560369;
D003907	increase	VCAM1	ENSG00000162692	16769766;11735124;
D003907	increase	WHSC2	ENSG00000185049	16144937;
D003958	increase	SOD2	ENSG00000112096	8760145;
D003975	affect	IL6	ENSG00000136244	10700573;
D003975	affect	TNF	ENSG00000223952	10700573;
D003976	decrease	ERCC5	ENSG00000134899	16539210;
D003976	decrease	RRM1	ENSG00000167325	16539210;
D003976	increase	ABCB1	ENSG00000085563	16221533;
D003976	increase	CALR	ENSG00000179218	16758764;

D003976	increase	CYP2C19	ENSG00000165841	15764407;11708902;16757081;
D003976	increase	CYP2D6	ENSG00000100197	16757081;
D003976	increase	CYP3A4	ENSG00000160868	15764407;11708902;16757081;
D003976	increase	CYP3A5	ENSG00000106258	16757081;
D003976	increase	TGFB3	ENSG00000119699	16758764;
D003993	decrease	SLC5A5	ENSG00000105641	16257484;
D003993	increase	AKR1C1	ENSG00000187134	18214805;
D003993	increase	CYP1B1	ENSG00000138061	16040568;
D003993	increase	INHA	ENSG00000123999	18214805;
D003994	decrease	MYC	ENSG00000136997	9187264;7798212;
D003994	increase	BDNF	ENSG00000176697	19189864;
D003994	increase	CCL3	ENSG00000006075	12538206;
D003994	increase	FOS	ENSG00000170345	9187264;7798212;
D003994	increase	IL8	ENSG00000169429	9258252;
D003994	increase	JUN	ENSG00000177606	9187264;
D003994	increase	REN	ENSG00000143839	9256163;
D003994	increase	SLC2A5	ENSG00000142583	12820898;
D004004	affect	SLC38A2	ENSG00000134294	15581851;
D004008	decrease	EPAS1	ENSG00000116016	12912967;
D004008	decrease	HIF1A	ENSG00000100644	12912967;
D004008	increase	CCND1	ENSG00000110092	15489888;15188006;
D004008	increase	EGR1	ENSG00000120738	15509713;
D004008	increase	GDF15	ENSG00000130513	15555568;
D004008	increase	HMOX1	ENSG00000100292	18227147;
D004008	increase	PTGS2	ENSG00000073756	15705740;15489888;17164136;
D004008	increase	TNF	ENSG00000223952	15489888;
D004008	increase	UGT1A1	ENSG00000241635	15334623;15593333;18227147;
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D004026	increase	ACVR1C	ENSG00000123612	19422813;
D004026	increase	ACVRL1	ENSG00000139567	19422813;
D004026	increase	ALK	ENSG00000171094	19422813;
D004026	increase	CYP26A1	ENSG00000095596	15589975;
D004026	increase	CYP2B6	ENSG00000197408	15548381;
D004026	increase	CYP3A4	ENSG00000160868	12417264;15548381;
D004026	increase	ERBB3	ENSG00000065361	19422813;
D004026	increase	ESR1	ENSG00000091831	14579009;10774817;16626760;9168004;9075711;15261991;15064155;11922773;
D004026	increase	ESR2	ENSG00000140009	16626760;15261991;
D004026	increase	KIT	ENSG00000157404	19422813;
D004026	increase	NR1I2	ENSG00000144852	16054614;12417264;15548381;
D004026	increase	PDGFRA	ENSG00000134853	19422813;
D004026	increase	PDGFRB	ENSG00000113721	19422813;
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D004026	increase	RARG	ENSG00000172819	15589975;
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D004040	decrease	AMIGO2	ENSG00000139211	17490981;
D004040	decrease	BNIP3	ENSG00000176171	17093179;
D004040	decrease	BTBD7	ENSG00000011114	17490981;

D004040	decrease	CA4	ENSG00000167434	17490981;
D004040	decrease	CCDC12	ENSG00000160799	17490981;
D004040	decrease	CCND2	ENSG00000118971	17490981;
D004040	decrease	CD2	ENSG00000116824	17093179;
D004040	decrease	CD34	ENSG00000174059	17490981;
D004040	decrease	CD69	ENSG00000110848	17093179;
D004040	decrease	CHST10	ENSG00000115526	17490981;
D004040	decrease	CRTAP	ENSG00000170275	17490981;
D004040	decrease	CSNK2A1	ENSG00000101266	17490981;
D004040	decrease	DDR1	ENSG00000204580	17490981;
D004040	decrease	DDX17	ENSG00000100201	17490981;
D004040	decrease	ELL2	ENSG00000118985	17490981;
D004040	decrease	ENO1	ENSG00000074800	17490981;
D004040	decrease	FAM89A	ENSG00000182118	17490981;
D004040	decrease	FDFT1	ENSG00000079459	17490981;
D004040	decrease	FXR1	ENSG00000114416	17490981;
D004040	decrease	GAS7	ENSG00000007237	17490981;
D004040	decrease	GLG1	ENSG00000090863	17490981;
D004040	decrease	GOLGA2	ENSG00000167110	17490981;
D004040	decrease	GZMA	ENSG00000145649	17093179;
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D004040	decrease	IGFBP5	ENSG00000115461	17490981;
D004040	decrease	IL10	ENSG00000136634	12533503;
D004040	decrease	IL1RN	ENSG00000136689	12533503;
D004040	decrease	IL6	ENSG00000136244	12533503;
D004040	decrease	IL8	ENSG00000169429	12533503;
D004040	decrease	INSR	ENSG00000171105	17490981;
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D004040	decrease	KLHL23	ENSG00000213160	17490981;
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D004040	decrease	KLRF1	ENSG00000150045	17093179;
D004040	decrease	LDHB	ENSG00000111716	17093179;
D004040	decrease	LEF1	ENSG00000138795	17093179;
D004040	decrease	LGALS1	ENSG00000100097	17490981;
D004040	decrease	LIPE	ENSG00000079435	17490981;
D004040	decrease	MAL	ENSG00000172005	17093179;
D004040	decrease	MOAP1	ENSG00000165943	17093179;
D004040	decrease	MRPL55	ENSG00000162910	17490981;
D004040	decrease	MRPS30	ENSG00000112996	17490981;
D004040	decrease	MTDH	ENSG00000147649	17490981;
D004040	decrease	MTMR12	ENSG00000150712	17490981;
D004040	decrease	NFKBIA	ENSG00000100906	17093179;
D004040	decrease	PAIP1	ENSG00000172239	17490981;
D004040	decrease	PDCD4	ENSG00000150593	17093179;
D004040	decrease	PDXDC1	ENSG00000179889	17490981;
D004040	decrease	PELO	ENSG00000152684	17490981;
D004040	decrease	PEX16	ENSG00000121680	17490981;
D004040	decrease	PGRMC2	ENSG00000164040	17490981;
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D004040	decrease	POLD4	ENSG00000175482	17490981;
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D004040	decrease	PPP1R12B	ENSG00000248526	17490981;
D004040	decrease	PRKCH	ENSG00000027075	17093179;
D004040	decrease	PRKCQ	ENSG00000065675	17093179;

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D004040	decrease	SCP2	ENSG00000251612	17093179;
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D004040	decrease	SYNCRIP	ENSG00000135316	17490981;
D004040	decrease	TCEAL1	ENSG00000172465	17490981;
D004040	decrease	TCF25	ENSG00000141002	17490981;
D004040	decrease	TCF7L2	ENSG00000148737	17490981;
D004040	decrease	TFE3	ENSG00000068323	17490981;
D004040	decrease	TMEM214	ENSG00000119777	17490981;
D004040	decrease	TNFRSF1A	ENSG00000067182	17490981;
D004040	decrease	TUSC5	ENSG00000184811	17490981;
D004040	decrease	TWIST2	ENSG00000233608	17490981;
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D004040	decrease	VAPB	ENSG00000124164	17490981;
D004040	decrease	WDR45L	ENSG00000141580	17490981;
D004040	decrease	WIPI2	ENSG00000248535	17490981;
D004040	decrease	YAF2	ENSG00000015153	17490981;
D004040	decrease	ZBTB4	ENSG00000174282	17490981;
D004040	decrease	ZNF791	ENSG00000173875	17490981;
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D004040	increase	AKAP8L	ENSG00000011243	17490981;
D004040	increase	APOLD1	ENSG00000178878	17490981;
D004040	increase	ARL6IP6	ENSG00000177917	17490981;
D004040	increase	ATP1B3	ENSG00000069849	17490981;
D004040	increase	BLNK	ENSG00000095585	17490981;
D004040	increase	C1ORF63	ENSG00000117616	17490981;
D004040	increase	C8ORF4	ENSG00000176907	17490981;
D004040	increase	CARD8	ENSG00000105483	17490981;
D004040	increase	CCL18	ENSG00000006074	17490981;
D004040	increase	CD14	ENSG00000170458	17093179;
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D004040	increase	CD93	ENSG00000125810	17093179;
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D004040	increase	CTBP2	ENSG00000175029	17490981;
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D004040	increase	DHRS9	ENSG00000073737	17093179;
D004040	increase	DUSP6	ENSG00000139318	17490981;
D004040	increase	EIF4E	ENSG00000151247	17490981;
D004040	increase	EWSR1	ENSG00000182944	17490981;
D004040	increase	FABP5	ENSG00000164687	17490981;
D004040	increase	GAA	ENSG00000171298	17093179;
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D004040	increase	HSPE1	ENSG00000115541	17490981;

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D004040	increase	MAN2A1	ENSG00000112893	17490981;
D004040	increase	MBNL2	ENSG00000139793	17490981;
D004040	increase	MKNK2	ENSG00000099875	17490981;
D004040	increase	MSX1	ENSG00000163132	17490981;
D004040	increase	MYEOV2	ENSG00000172428	17490981;
D004040	increase	MYO1E	ENSG00000157483	17490981;
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D004040	increase	NDNL2	ENSG00000185115	17490981;
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D004040	increase	PIK3C2B	ENSG00000133056	17490981;
D004040	increase	PLEKHB2	ENSG00000115762	17490981;
D004040	increase	PRDX6	ENSG00000117592	17490981;
D004040	increase	PSAP	ENSG00000197746	17093179;
D004040	increase	PYGL	ENSG00000100504	17093179;
D004040	increase	QTRTD1	ENSG00000151576	17490981;
D004040	increase	SAMHD1	ENSG00000101347	17490981;
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D004040	increase	TIA1	ENSG00000116001	17490981;
D004040	increase	TIMP3	ENSG00000100234	17490981;
D004040	increase	TMX1	ENSG00000139921	17490981;
D004040	increase	TNFSF13	ENSG00000161955	17093179;
D004040	increase	ZNF443	ENSG00000180855	17490981;
D004040	increase	ZNF573	ENSG00000189144	17490981;
D004050	decrease	CAT	ENSG00000121691	8279580;
D004050	decrease	ICAM1	ENSG00000090339	10644010;
D004050	increase	SOD1	ENSG00000142168	8279580;10644010;
D004050	increase	TP53	ENSG00000141510	10951577;
D004051	decrease	CDO1	ENSG00000129596	16223563;
D004051	decrease	MAPK1	ENSG00000100030	16455614;
D004051	decrease	MAPK3	ENSG00000102882	16455614;
D004051	decrease	MYC	ENSG00000136997	16455614;
D004051	decrease	PAPSS1	ENSG00000138801	16223563;
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D004051	decrease	PPARA	ENSG00000186951	10581215;16455614;
D004051	decrease	SUOX	ENSG00000139531	16223563;
D004051	increase	ABCB1	ENSG00000085563	17003290;
D004051	increase	CYP1A1	ENSG00000140465	16954067;
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D004051	increase	PPARD	ENSG00000112033	16455614;
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D004054	decrease	CYP11A1	ENSG00000140459	12858341;

D004054	decrease	DLX4	ENSG00000108813	12858341;
D004054	decrease	ENO2	ENSG00000111674	15159206;
D004054	decrease	HSD17B1	ENSG00000108786	12858341;
D004054	decrease	HSD3B1	ENSG00000203857	12858341;
D004054	decrease	KLK3	ENSG00000142515	15846301;
D004054	decrease	SELENBP1	ENSG00000143416	15159206;
D004054	decrease	SLC12A2	ENSG00000064651	15159206;
D004054	decrease	TUBB4	ENSG00000104833	15924336;
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D004054	increase	APOE	ENSG00000130203	15766595;
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D004054	increase	CKS1B	ENSG00000173207	15766595;
D004054	increase	CKS2	ENSG00000123975	15766595;
D004054	increase	CLU	ENSG00000120885	15766595;
D004054	increase	DAD1	ENSG00000129562	15766595;
D004054	increase	DCC	ENSG00000187323	15766595;
D004054	increase	DDIT3	ENSG00000175197	15766595;
D004054	increase	DDR1	ENSG00000204580	15766595;
D004054	increase	EGR3	ENSG00000179388	15159206;
D004054	increase	ESRRA	ENSG00000173153	11559547;
D004054	increase	ESRRB	ENSG00000119715	11559547;
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D004054	increase	FGR	ENSG00000000938	15766595;
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D004054	increase	FOSL1	ENSG00000175592	15766595;
D004054	increase	FZD2	ENSG00000180340	15766595;
D004054	increase	HINT1	ENSG00000169567	15766595;
D004054	increase	HOXA10	ENSG00000078399	15236964;16632680;15890 768;
D004054	increase	HOXA9	ENSG00000078399	16632680;
D004054	increase	IGFBP2	ENSG00000115457	15766595;
D004054	increase	IGFBP6	ENSG00000167779	15846301;
D004054	increase	ITGB7	ENSG00000139626	15766595;
D004054	increase	JAK3	ENSG00000105639	15766595;
D004054	increase	LYN	ENSG00000249529	15766595;
D004054	increase	MAOA	ENSG00000189221	10811566;
D004054	increase	MAP2K1	ENSG00000169032	15766595;
D004054	increase	MLH1	ENSG00000076242	15766595;
D004054	increase	MMP11	ENSG00000099953	15766595;
D004054	increase	MYC	ENSG00000136997	15766595;
D004054	increase	NME1	ENSG00000239672	15766595;
D004054	increase	NME2	ENSG00000243678	15766595;
D004054	increase	PDCD6	ENSG00000249915	15766595;
D004054	increase	PDZK1	ENSG00000174827	15159206;

D004054	increase	POLA1	ENSG00000101868	15766595;
D004054	increase	PRKCSH	ENSG00000130175	15766595;
D004054	increase	PTMA	ENSG00000187514	15766595;
D004054	increase	RAP1GAP	ENSG00000076864	15766595;
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D004054	increase	RPA3	ENSG00000106399	15766595;
D004054	increase	RPS19	ENSG00000105372	15766595;
D004054	increase	RPS3A	ENSG00000145425	15766595;
D004054	increase	SERPINA3	ENSG00000196136	10811566;
D004054	increase	SKI	ENSG00000157933	15766595;
D004054	increase	SLC7A11	ENSG00000151012	15159206;
D004054	increase	STAT1	ENSG00000115415	15766595;
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D004054	increase	TGFB3	ENSG00000119699	10811566;
D004054	increase	TNK2	ENSG00000061938	15766595;
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D004054	increase	TRAF3	ENSG00000131323	15766595;
D004054	increase	WARS	ENSG00000140105	15159206;
D004054	increase	YWHAB	ENSG00000166913	15766595;
D004077	decrease	KCNH2	ENSG00000055118	19139152;
D004110	increase	IL12A	ENSG00000168811	15652234;
D004110	increase	IL12B	ENSG00000113302	15652234;
D004117	increase	CHRM3	ENSG00000133019	15033005;
D004121	affect	ABCB1	ENSG00000085563	12843640;
D004121	affect	CYP1A2	ENSG00000140505	12843640;
D004121	affect	CYP1B1	ENSG00000138061	12843640;
D004121	affect	CYP2A6	ENSG00000198077	12843640;
D004121	affect	CYP3A4	ENSG00000160868	12843640;
D004121	affect	CYP3A5	ENSG00000106258	12843640;
D004121	affect	CYP3A7	ENSG00000160870	12843640;
D004121	affect	GAPDH	ENSG00000111640	12843640;
D004121	affect	UGT1A6	ENSG00000167165	12843640;
D004121	affect	UGT1A9	ENSG00000241119	12843640;
D004121	decrease	DNMT1	ENSG00000130816	17065238;
D004121	decrease	EDN2	ENSG00000127129	15619356;
D004121	decrease	MYC	ENSG00000136997	7798212;
D004121	increase	BAX	ENSG00000087088	15998540;17652743;
D004121	increase	CCL2	ENSG00000108691	17529908;14576080;
D004121	increase	CD38	ENSG00000004468	15964820;
D004121	increase	CLDN6	ENSG00000184697	18661270;
D004121	increase	CLDN8	ENSG00000156284	18661270;
D004121	increase	CLDN9	ENSG00000213937	18661270;
D004121	increase	CYP1A1	ENSG00000140465	12843640;12147272;
D004121	increase	CYP27A1	ENSG00000135929	15964820;
D004121	increase	CYP2E1	ENSG00000130649	12843640;12147272;9143349;8074729;
D004121	increase	FAS	ENSG00000026103	15998540;
D004121	increase	GAD1	ENSG00000128683	17065238;
D004121	increase	GRN	ENSG00000030582	16873554;
D004121	increase	IL8	ENSG00000169429	17529908;
D004121	increase	ITGAM	ENSG00000169896	15964820;16617325;
D004121	increase	ITGAX	ENSG00000140678	15964820;
D004121	increase	ITGB2	ENSG00000160255	15964820;

D004121	increase	OCLN	ENSG00000197822	18661270;
D004121	increase	PADI4	ENSG00000159339	15964820;
D004121	increase	PDCD4	ENSG00000150593	17259349;
D004121	increase	RELN	ENSG00000189056	17065238;
D004121	increase	TGM2	ENSG00000198959	15964820;
D004121	increase	TJP1	ENSG00000104067	18661270;
D004121	increase	TNF	ENSG00000223952	14576080;
D004121	increase	TNFRSF1A	ENSG00000067182	9870925;
D004126	increase	LTF	ENSG00000012223	18063697;
D004126	increase	MPO	ENSG00000005381	18063697;
D004126	increase	NCF1	ENSG00000158517	18063697;
D004126	increase	TNFSF10	ENSG00000121858	18063697;
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D004128	decrease	ACP2	ENSG00000134575	17547211;
D004128	decrease	ACSL1	ENSG00000151726	17547211;
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D004128	decrease	AKR1B1	ENSG00000085662	17547211;
D004128	decrease	ALDH18A1	ENSG00000059573	17547211;
D004128	decrease	ATP2B1	ENSG00000070961	17547211;
D004128	decrease	C14ORF1	ENSG00000133935	17547211;
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D004128	decrease	F5	ENSG00000198734	17547211;
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D004128	decrease	FDPS	ENSG00000160752	17547211;
D004128	decrease	FURIN	ENSG00000140564	17547211;
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D004128	decrease	GPOR	ENSG00000164850	17547211;
D004128	decrease	GSN	ENSG00000148180	17547211;
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D004128	decrease	HMGCS1	ENSG00000112972	17547211;
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D004128	decrease	HSD17B7	ENSG00000132196	17547211;
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D004128	decrease	SERPINB1	ENSG00000021355	17547211;
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D004128	decrease	SQLE	ENSG00000104549	17547211;
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D004128	decrease	TRA2A	ENSG00000164548	17547211;
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D004128	decrease	VTN	ENSG00000109072	17547211;
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D004128	increase	ANXA2	ENSG00000182718	17547211;
D004128	increase	AQP3	ENSG00000165272	17547211;
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D004128	increase	BUB3	ENSG00000154473	19031421;
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D004128	increase	CES1	ENSG00000198848	17547211;
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D004128	increase	CRY1	ENSG00000008405	19031421;
D004128	increase	CTSH	ENSG00000103811	17547211;
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D004128	increase	ENO2	ENSG00000111674	17547211;
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D004128	increase	FEZ2	ENSG00000171055	17547211;
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D004128	increase	GCNT3	ENSG00000140297	17547211;
D004128	increase	GLA	ENSG00000102393	17547211;
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D004128	increase	GRB10	ENSG00000106070	17547211;
D004128	increase	HMGA1	ENSG00000137309	17547211;
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D004128	increase	HPD	ENSG00000158104	17547211;
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D004128	increase	KPNA4	ENSG00000186432	17547211;
D004128	increase	KRT19	ENSG00000171345	17547211;
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D004128	increase	LGALS3	ENSG00000131981	17547211;

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D004128	increase	PIK3CD	ENSG00000171608	17547211;
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D004128	increase	PTTG1	ENSG00000164611	19031421;17547211;
D004128	increase	BPMS	ENSG00000157110	17547211;
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D004128	increase	TIMP1	ENSG00000102265	17547211;
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D004128	increase	TRIB1	ENSG00000173334	17547211;
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D004137	increase	ANXA2	ENSG00000182718	16314067;
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D004137	increase	CCL4	ENSG00000129277	16314067;
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D004137	increase	CDKN1A	ENSG00000124762	16314067;
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D004137	increase	HSPA6	ENSG00000173110	16314067;
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D004137	increase	JUN	ENSG00000177606	16314067;
D004137	increase	KEAP1	ENSG00000079999	19033392;
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D004137	increase	NQO1	ENSG00000181019	19033392;16314067;
D004137	increase	PIR	ENSG00000087842	16314067;
D004137	increase	RHOC	ENSG00000155366	16314067;
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D004137	increase	SOD2	ENSG00000112096	16314067;

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D004144	increase	VEGFA	ENSG00000112715	16331273;
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D004221	decrease	AR	ENSG00000169083	19789329;
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D004221	decrease	MCM5	ENSG00000100297	19789329;
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D004221	decrease	MMP9	ENSG00000100985	18047805;
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D004221	increase	MT1F	ENSG00000198417	19789329;
D004221	increase	MT1G	ENSG00000125144	19789329;
D004221	increase	MT1X	ENSG00000187193	19789329;
D004221	increase	MT2A	ENSG00000125148	19789329;
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D004229	increase	ATF3	ENSG00000162772	17332266;
D004229	increase	CCNG2	ENSG00000138764	17332266;
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D004237	decrease	TNF	ENSG00000223952	10883730;
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D004280	increase	IL8	ENSG00000169429	12818968;15502056;
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D004281	decrease	CASP9	ENSG00000132906	19015929;
D004281	decrease	COPS5	ENSG00000121022	17077332;
D004281	decrease	CRP	ENSG00000132693	17237316;
D004281	decrease	FAS	ENSG00000026103	19015929;
D004281	decrease	IFNA2	ENSG00000188379	17077332;
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D004281	decrease	IL6	ENSG00000136244	16305726;16702388;
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D004281	increase	PCNA	ENSG00000132646	16870008;
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D004316	decrease	TAGLN	ENSG00000149591	17567588;
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D004316	increase	C10ORF10	ENSG00000165507	17567588;
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D004316	increase	LSS	ENSG00000160285	17567588;
D004316	increase	NUPR1	ENSG00000176046	17567588;
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D004317	affect	BTG1	ENSG00000133639	16705698;
D004317	affect	BUB3	ENSG00000154473	16322899;
D004317	affect	CDK5R1	ENSG00000176749	15205334;
D004317	affect	CPXM1	ENSG00000088882	15205334;
D004317	affect	CRHBP	ENSG00000145708	15205334;
D004317	affect	CTNBP1	ENSG00000178585	16322899;
D004317	affect	CTSB	ENSG00000164733	17378599;16705698;
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D004317	affect	DCT	ENSG00000080166	15205334;
D004317	affect	DPYSL3	ENSG00000113657	15205334;
D004317	affect	EIF1AX	ENSG00000173674	16322899;
D004317	affect	EIF4EBP1	ENSG00000187840	16322899;
D004317	affect	ELN	ENSG00000049540	15205334;
D004317	affect	EPYC	ENSG00000083782	15205334;
D004317	affect	ERBB2	ENSG00000141736	15205334;17010609;15834928;16168102;15486187;
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D004317	affect	FKBP5	ENSG00000096060	15571967;

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D004317	affect	GTF3C1	ENSG00000077235	16322899;
D004317	affect	ILF3	ENSG00000129351	16322899;
D004317	affect	IRS1	ENSG00000169047	16322899;
D004317	affect	MCM4	ENSG00000104738	15205334;
D004317	affect	MMP9	ENSG00000100985	15205334;
D004317	affect	NR4A1	ENSG00000123358	15205334;16322897;
D004317	affect	PAWR	ENSG00000177425	12948851;
D004317	affect	PLOD1	ENSG00000083444	16322899;
D004317	affect	PLOD3	ENSG00000106397	16322899;
D004317	affect	RAB21	ENSG00000080371	15205334;
D004317	affect	RAB6C	ENSG00000222014	18992151;
D004317	affect	RB1	ENSG00000139687	15205334;16537896;15141020;
D004317	affect	RGS16	ENSG00000143333	15205334;
D004317	affect	RGS1	ENSG00000090104	15205334;
D004317	affect	RRM2	ENSG00000171848	15205334;16896004;
D004317	affect	SKP2	ENSG00000145604	17893511;16217747;
D004317	affect	SPHK2	ENSG00000063176	17974990;
D004317	affect	SPON1	ENSG00000152268	15205334;
D004317	affect	SRM	ENSG00000116649	16322899;
D004317	affect	ST14	ENSG00000149418	16322899;
D004317	affect	STK39	ENSG00000198648	16322899;
D004317	affect	TCEB3	ENSG00000011007	15205334;
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D004317	decrease	ADAMTS5	ENSG00000154736	16404146;
D004317	decrease	AHCY	ENSG00000101444	18510171;
D004317	decrease	AKT1	ENSG00000142208	16168102;17339365;16782806;18071906;16740780;16438844;17359293;15494689;17935137;16059641;
D004317	decrease	AZGP1	ENSG00000160862	16404146;
D004317	decrease	B4GALT1	ENSG00000086062	16404146;
D004317	decrease	BAD	ENSG00000002330	16705698;16001973;16843435;16438844;17359293;
D004317	decrease	BCL2L11	ENSG00000153094	17339365;
D004317	decrease	BID	ENSG00000015475	15289866;15870702;16705698;16868541;15812552;
D004317	decrease	BIK	ENSG00000100290	16007125;16705698;
D004317	decrease	BRCA1	ENSG00000012048	10344722;15607317;
D004317	decrease	BRCA2	ENSG00000139618	10344722;
D004317	decrease	BUB1B	ENSG00000156970	16217747;15870702;
D004317	decrease	CAPN6	ENSG00000077274	16404146;
D004317	decrease	CCND1	ENSG00000110092	16036217;
D004317	decrease	CCNE1	ENSG00000105173	16036217;
D004317	decrease	CDK1	ENSG00000170312	19074854;16036217;16537896;15205334;15870702;15141020;17320279;
D004317	decrease	CENPA	ENSG00000115163	16217747;15870702;
D004317	decrease	CFLAR	ENSG00000003402	14601052;15897917;
D004317	decrease	CHEK1	ENSG00000149554	17085670;15489221;16217747;18698031;16036217;17991895;15870702;17088865;17320279;
D004317	decrease	CLDN1	ENSG00000163347	16404146;

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D004317	decrease	COL18A1	ENSG00000182871	17627616;
D004317	decrease	CREBBP	ENSG00000005339	17498666;
D004317	decrease	CRISP2	ENSG00000124490	16404146;
D004317	decrease	CXCL6	ENSG00000124875	16404146;
D004317	decrease	DGKI	ENSG00000157680	16404146;
D004317	decrease	DKK2	ENSG00000155011	16404146;
D004317	decrease	DSPP	ENSG00000152591	16404146;
D004317	decrease	EGF	ENSG00000138798	16969495;
D004317	decrease	EP300	ENSG00000100393	10344722;17498666;
D004317	decrease	ERAP1	ENSG00000164307	16404146;
D004317	decrease	FCGR3A	ENSG00000203747	17852453;
D004317	decrease	FOLR1	ENSG00000110195	16404146;15634643;
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D004317	decrease	GULP1	ENSG00000144366	16001973;
D004317	decrease	HCRTR1	ENSG00000121764	16404146;
D004317	decrease	HK2	ENSG00000159399	16595493;
D004317	decrease	HLA-DQB1	ENSG00000179344	16404146;16322897;
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D004317	decrease	JAG2	ENSG00000184916	16404146;
D004317	decrease	KCNJ13	ENSG00000115474	16404146;
D004317	decrease	KCNJ16	ENSG00000153822	16404146;
D004317	decrease	KLF6	ENSG00000067082	15205334;
D004317	decrease	LMNB1	ENSG00000113368	16001973;16217747;
D004317	decrease	LY75	ENSG00000054219	16404146;
D004317	decrease	MAD2L1	ENSG00000164109	15870702;16217747;
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D004317	decrease	MAPT	ENSG00000186868	16930453;16896004;
D004317	decrease	MCL1	ENSG00000143384	17935137;
D004317	decrease	METAP2	ENSG00000111142	16404146;
D004317	decrease	MKI67	ENSG00000148773	15205334;18695136;
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D004317	decrease	NDUFB7	ENSG00000099795	16404146;
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D004317	decrease	OR2F1	ENSG00000213215	16404146;
D004317	decrease	PPARD	ENSG00000112033	16404146;
D004317	decrease	PROCR	ENSG00000101000	17172434;
D004317	decrease	PTTG1	ENSG00000164611	15205334;
D004317	decrease	RAD51	ENSG00000051180	17351394;10344722;
D004317	decrease	RBL1	ENSG00000080839	16537896;
D004317	decrease	REL	ENSG00000162924	15870702;16404146;17890907;
D004317	decrease	RGS13	ENSG00000127074	16404146;
D004317	decrease	SCNN1G	ENSG00000166828	15564131;
D004317	decrease	SEC22B	ENSG00000223380	16404146;
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D004317	increase	CABC1	ENSG00000163050	16404146;
D004317	increase	CASP10	ENSG00000003400	16001973;
D004317	increase	CASP1	ENSG00000137752	16001973;
D004317	increase	CASP2	ENSG00000106144	15917298;17013758;16001 973;14757846; 17085670;15456408;17285 121;17542780;17013758;16 909308;15870702;1827845 4;15981920;17088416;1696 2673;16843435;16364925;1 5985719;15571967;117798 55;19106633;15578696;156 80309;15868924;17437844; 16823846;18508926;17959 036;17653088;15555623;18 071906;15557793;1689018 5;15897917;16024631;1824 6814;17935137;17651020;1 6705698;15576332;160019 73;15939500;16168113;168 68541;15812552;18695136; 15870702;17922852;17437 844;16001973; 15870702;16298333;19106 633;17653088;16024631;16 705698;16001973;1616811 17013758;15870702;16705 698;15981920;18508926;15 868924;17437844;1807190 6;15897917;16024631;1600 1973;16168113;16868541;1 7970047;15812552; 17285121;17339365;17013 758;15870702;16705698;15 981920;17404015;1850892 6;11779855;17437844;1586 8924;17935137;15555623;1 7653088;16311509;155577 93;16024631;17651020;163 64925;15939500;16001973; 15576332;16168113;15812 552
D004317	increase	CASP3	ENSG00000164305	
D004317	increase	CASP6	ENSG00000138794	
D004317	increase	CASP7	ENSG00000165806	
D004317	increase	CASP8	ENSG00000064012	
D004317	increase	CASP9	ENSG00000132906	

D004317	increase	CBR1	ENSG00000159228	18635746;18755171;
D004317	increase	CCL2	ENSG00000108691	12908082;
D004317	increase	CCNA2	ENSG00000145386	16036217;17390037;16537896;15205334;16284694;
D004317	increase	CCNB1	ENSG00000134057	16928833;17893511;16537896;15205334;15141020;17320279;
D004317	increase	CD44	ENSG00000026508	16705698;
D004317	increase	CDC25C	ENSG00000158402	19074854;17320279;
D004317	increase	CDK10	ENSG00000185324	16404146;
D004317	increase	CDKN1A	ENSG00000124762	15781256;18347191;19074854;15492826;15161699;16909308;15823547;15601469;17893511;18269916;14601052;15141020;16705698;15205334;16439685;17653088;16537896;17682292;15555623;17974990;14665630;16166118;17893511;16036217;17935137;16322899;
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D004317	increase	CDKN2A	ENSG00000147889	16001973;
D004317	increase	CEBPB	ENSG00000172216	15205334;
D004317	increase	CES2	ENSG00000172831	15205334;
D004317	increase	CHI3L1	ENSG00000133048	16404146;
D004317	increase	CLIP1	ENSG00000130779	16283381;
D004317	increase	CPT1A	ENSG00000110090	16404146;
D004317	increase	CSPG4	ENSG00000173546	15205334;16579640;
D004317	increase	CTGF	ENSG00000118523	18566016;
D004317	increase	CTSD	ENSG00000117984	16001973;
D004317	increase	CYC1	ENSG00000179091	16331251;16749863;16705698;16001973;16868541;
D004317	increase	CYCS	ENSG00000172115	17716971;
D004317	increase	CYP27B1	ENSG00000111012	16298333;17912235;
D004317	increase	DDIT3	ENSG00000175197	16579640;
D004317	increase	DEK	ENSG00000124795	16404146;
D004317	increase	DHPS	ENSG00000095059	12948851;17521628;
D004317	increase	DIABLO	ENSG00000184047	16579640;
D004317	increase	DNAJA1	ENSG00000086061	17991895;17065238;17124180;
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D004317	increase	DPP4	ENSG00000197635	17974986;
D004317	increase	EDN1	ENSG00000078401	15205334;17330857;
D004317	increase	EGR1	ENSG00000120738	16900372;
D004317	increase	EPHA2	ENSG00000142627	15205334;
D004317	increase	EPHX1	ENSG00000143819	16322899;
D004317	increase	ESR1	ENSG00000091831	16900372;16322899;
D004317	increase	ESR2	ENSG00000140009	18278454;18246814;18325115;
D004317	increase	F3	ENSG00000117525	18325115;
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D004317	increase	FADD	ENSG00000168040	15763944;15981920;17970047;17404015;17088865;15576332;11779855;16705698;
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D004317	increase	FASN	ENSG00000169710	17089011;
D004317	increase	FDXR	ENSG00000161513	15205334;
D004317	increase	FKBP8	ENSG00000105701	16404146;
D004317	increase	FOS	ENSG00000170345	15205334;16900372;
D004317	increase	G6PD	ENSG00000160211	16404146;
D004317	increase	GAD1	ENSG00000128683	17065238;
D004317	increase	GADD45A	ENSG00000116717	15205334;
D004317	increase	GADD45G	ENSG00000130222	16404146;
D004317	increase	GATA1	ENSG00000102145	17097070;14623254;
D004317	increase	GDF15	ENSG00000130513	16705698;15205334;
D004317	increase	GP9	ENSG00000169704	16404146;
				14623254;16579640;15533
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D004317	increase	HBG2	ENSG00000196565	17097070;
D004317	increase	HIF1A	ENSG00000100644	17498666;17912235;16532
				342;16628086;
D004317	increase	HRAS	ENSG00000174775	16001973;
D004317	increase	HSP90AA1	ENSG00000080824	17680992;
D004317	increase	HSPA4	ENSG00000170606	16311509;
D004317	increase	HSPA5	ENSG00000044574	16298333;17680992;
D004317	increase	HSPA8	ENSG00000109971	16579640;17680992;
D004317	increase	HSPA9	ENSG00000113013	17680992;
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D004317	increase	HUWE1	ENSG00000086758	16404146;
D004317	increase	ID3	ENSG00000117318	15205334;
D004317	increase	IFNA1	ENSG00000197919	17959036;
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D004317	increase	IL8	ENSG00000169429	082;16217747;
				15205334;15880572;15585
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D004317	increase	KHSRP	ENSG00000088247	16404146;
D004317	increase	KLF2	ENSG00000127528	18510171;
D004317	increase	MAP2K4	ENSG00000065559	15870702;16001973;
				17526808;18468633;16001
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				15870702;15880572;16890
D004317	increase	MAPK8	ENSG00000107643	185;15917298;15494689;16
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				16001973;17959036;14665
D004317	increase	MDM2	ENSG00000135679	630;17653088;19074854;17
				935137;
D004317	increase	MEF2A	ENSG00000068305	16001973;
D004317	increase	MFGE8	ENSG00000140545	16404146;
D004317	increase	MRPS18A	ENSG00000096080	16404146;
D004317	increase	MT1G	ENSG00000125144	16579640;
D004317	increase	MT2A	ENSG00000125148	16579640;
				17521628;11911975;15911
D004317	increase	NAIP	ENSG00000250628	101;16322899;
				15905586;15870702;15571
D004317	increase	NFKB1	ENSG00000109320	967;15555623;16001973;17
				912235;18463201;1632230

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D004317	increase	NOS2	ENSG00000007171	15695394;18463201;
D004317	increase	OR12D2	ENSG00000168787	16404146;
D004317	increase	P2RX2	ENSG00000187848	16404146;
D004317	increase	PAX6	ENSG00000007372	16404146;
D004317	increase	PDCD5	ENSG00000105185	16579640;
D004317	increase	PITX1	ENSG00000069011	16404146;
D004317	increase	PLAU	ENSG00000122861	15557793;12908082;16356 834;16217747;
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D004317	increase	POMT2	ENSG00000009830	16404146;
D004317	increase	PPT2	ENSG00000231618	16404146;
D004317	increase	PRKACA	ENSG00000072062	16404146;
D004317	increase	PRL	ENSG00000172179	18681966;
D004317	increase	PTEN	ENSG00000171862	11707646;17330857;17935 137;16438844;17359293;15 548710;
D004317	increase	PTGS2	ENSG00000073756	15846114;15205334;15501 994;16127422;18498876;
D004317	increase	PTPN13	ENSG00000163629	16001973;
D004317	increase	RARB	ENSG00000077092	17608728;
D004317	increase	RBL2	ENSG00000103479	16537896;15585644;
D004317	increase	RBPM5	ENSG00000157110	16404146;
D004317	increase	RELA	ENSG00000173039	15905586;15911101;17097 285;15870702;18269916;15 899819;15571967;1555562 3;18463201;17542780;1789 0907;15823547;16322301;1
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D004317	increase	RHCG	ENSG00000140519	16404146;
D004317	increase	RPS27L	ENSG00000185088	18056458;
D004317	increase	SERPINE1	ENSG00000106366	16705698;15870702;16217 747;
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D004317	increase	SLC2A1	ENSG00000117394	16595493;
D004317	increase	SLIT3	ENSG00000184347	16404146;
D004317	increase	SMAD7	ENSG00000101665	18606404;
D004317	increase	SOD1	ENSG00000142168	16579640;
D004317	increase	SOS1	ENSG00000115904	16001973;
D004317	increase	SPARC	ENSG00000113140	15870702;
D004317	increase	SSH3	ENSG00000172830	16404146;
D004317	increase	STAT1	ENSG00000115415	16001973;17072862;
D004317	increase	STAT2	ENSG00000170581	16001973;
D004317	increase	STAT3	ENSG00000168610	16001973;17920763;
D004317	increase	TAGLN	ENSG00000149591	15870702;
D004317	increase	TERT	ENSG00000164362	16077987;15003732;18560 228;18396642;
D004317	increase	TGM2	ENSG00000198959	15870702;17073438;
D004317	increase	THBD	ENSG00000178726	17172434;
D004317	increase	TIA1	ENSG00000116001	16404146;
D004317	increase	TLX3	ENSG00000164438	16404146;

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D004317	increase	TNFRSF10A	ENSG00000104689	16364925;15897917;17437844;16098063;
D004317	increase	TNFRSF10B	ENSG00000120889	16364925;16705698;17922852;15897917;16098063;
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D004317	increase	TRIM23	ENSG00000113595	16404146;
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D004317	increase	TUBB	ENSG00000229684	16579640;
D004317	increase	TYMP	ENSG00000025708	15150550;
D004317	increase	UGCG	ENSG00000148154	16404146;18245173;
D004317	increase	VDR	ENSG00000111424	17716971;
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D004317	increase	VEGFA	ENSG00000112715	431384;
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D004317	increase	XIAP	ENSG00000101966	2;15911101;
D004317	increase	ZMAT3	ENSG00000172667	16439685;
D004317	increase	ZMYM2	ENSG00000121741	16579640;
D004318	decrease	ABCB1	ENSG00000085563	11147995;
D004318	increase	IL1B	ENSG00000125538	17267227;
D004318	increase	MMP13	ENSG00000137745	17267227;
D004318	increase	MMP3	ENSG00000149968	17267227;
D004365	decrease	BCL2	ENSG00000171791	17696246;19295228;
D004365	decrease	CCND1	ENSG00000110092	15456542;
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D004365	decrease	CCNE1	ENSG00000105173	15456542;
D004365	decrease	IL5	ENSG00000113525	15644155;

D004365	decrease	MCL1	ENSG00000143384	15802533;
D004365	decrease	MYC	ENSG00000136997	19295228;
D004365	decrease	NOS3	ENSG00000164867	16891912;
D004365	decrease	TEP1	ENSG00000129566	19295228;
D004365	decrease	TERT	ENSG00000164362	19295228;
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D004365	increase	CD86	ENSG00000114013	15894585;
D004365	increase	CYP11A1	ENSG00000140459	14711788;
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D004365	increase	CYP3A4	ENSG00000160868	12695340;
D004365	increase	FGF2	ENSG00000138685	16313111;
D004365	increase	HSD3B2	ENSG00000203859	14711788;
D004365	increase	ICAM1	ENSG00000090339	15894585;
D004365	increase	IL10	ENSG00000136634	15894585;
D004365	increase	IL12A	ENSG00000168811	15894585;
D004365	increase	IL12B	ENSG00000113302	15894585;
D004365	increase	OLR1	ENSG00000173391	16891912;
D004365	increase	STAR	ENSG00000147465	14711788;
D004390	decrease	HYDIN	ENSG00000157423	16790487;
D004390	increase	BCR	ENSG00000186716	16790487;
D004390	increase	CLIP3	ENSG00000105270	16790487;
D004390	increase	CYP2B6	ENSG00000197408	17079358;15557345;15764407;11854147;16757081;15548381;
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D004726	increase	HSPA5	ENSG00000044574	16884889;
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D004726	increase	RARG	ENSG00000172819	15589975;
D004726	increase	TERT	ENSG00000164362	15832825;
D004726	increase	TFF1	ENSG00000160182	16242299;
D004732	increase	CYP26A1	ENSG00000095596	15589975;
D004732	increase	CYP2B6	ENSG00000197408	15548381;
D004732	increase	CYP3A4	ENSG00000160868	15548381;
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D004732	increase	RARG	ENSG00000172819	15589975;
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D004786	decrease	NCR3	ENSG00000225211	18468695;
D004837	increase	CA2	ENSG00000104267	12729923;
D004837	increase	CCL3	ENSG00000006075	12538206;
D004837	increase	CTSK	ENSG00000143387	12729923;
D004837	increase	IL10	ENSG00000136634	10588509;
D004837	increase	IL1B	ENSG00000125538	10588509;
D004837	increase	IL6	ENSG00000136244	10588509;
D004837	increase	ITGAV	ENSG00000138448	12729923;
D004837	increase	SOD1	ENSG00000142168	11163531;
D004837	increase	SOD2	ENSG00000112096	11163531;
D004837	increase	TNF	ENSG00000223952	10588509;
D004917	decrease	TAGLN	ENSG00000149591	17567588;
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D004958	affect	ABCD3	ENSG00000117528	14699072;
D004958	affect	ABLIM1	ENSG00000099204	14699072;
D004958	affect	AGT	ENSG00000135744	14699072;17336289;
D004958	affect	AHNAK2	ENSG00000185567	14699072;
D004958	affect	AKAP1	ENSG00000121057	14699072;
D004958	affect	ALCAM	ENSG00000170017	14699072;
D004958	affect	ALDH2	ENSG00000111275	14699072;
D004958	affect	AP1G1	ENSG00000166747	14699072;
D004958	affect	ARL4C	ENSG00000188042	14699072;
D004958	affect	ARL6IP5	ENSG00000144746	14699072;
D004958	affect	BIRC3	ENSG00000023445	14699072;
D004958	affect	BMP4	ENSG00000125378	14699072;
D004958	affect	BMP5	ENSG00000112175	14699072;
D004958	affect	BTBD3	ENSG00000132640	14699072;
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D004958	affect	C18ORF10	ENSG00000134779	14699072;
D004958	affect	C2CD2	ENSG00000157617	14699072;
D004958	affect	C5ORF13	ENSG00000134986	14699072;
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D004958	affect	CDON	ENSG00000064309	14699072;
D004958	affect	CEBPB	ENSG00000172216	17395694;
D004958	affect	CHRD	ENSG00000090539	14699072;
D004958	affect	CLASP2	ENSG00000163539	14699072;

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D004958	affect	CLTB	ENSG00000175416	14699072;
D004958	affect	COL15A1	ENSG00000204291	14699072;
D004958	affect	CPE	ENSG00000109472	14699072;
D004958	affect	CRIP1	ENSG00000213145	14699072;
D004958	affect	CRKL	ENSG00000099942	14699072;
D004958	affect	CST5	ENSG00000170367	14699072;
D004958	affect	CTGF	ENSG00000118523	14699072;
D004958	affect	CTNNB1	ENSG00000168036	16053526;
D004958	affect	CXADR	ENSG00000154639	14699072;
D004958	affect	CYP27B1	ENSG00000111012	17659868;15795327;
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D004958	affect	DYNC1I1	ENSG00000158560	14699072;
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D004958	affect	EMP1	ENSG00000134531	14699072;
D004958	affect	ENPP2	ENSG00000136960	14699072;
D004958	affect	EPHA4	ENSG00000116106	14699072;
D004958	affect	EPHX1	ENSG00000143819	14699072;
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D004958	affect	FZD7	ENSG00000155760	14699072;
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D004958	affect	GABRA4	ENSG00000109158	16000229;
D004958	affect	GABRA5	ENSG00000186297	16000229;
D004958	affect	GABRP	ENSG00000094755	16000229;
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D004958	affect	GAS1	ENSG00000180447	14699072;
D004958	affect	GCH1	ENSG00000250845	14699072;
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D004958	affect	GPR176	ENSG00000166073	14699072;
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D004958	affect	HAS2	ENSG00000170961	14699072;
D004958	affect	HSD17B3	ENSG00000130948	14699072;
D004958	affect	HSF2	ENSG00000025156	17395694;
D004958	affect	IGFBP6	ENSG00000167779	14699072;
D004958	affect	IL11	ENSG00000095752	14699072;
D004958	affect	IL15	ENSG00000164136	14699072;
D004958	affect	IL32	ENSG00000008517	14699072;
D004958	affect	IL7R	ENSG00000168685	14699072;
D004958	affect	JUND	ENSG00000130522	14699072;
D004958	affect	KCNN4	ENSG00000104783	14699072;

D004958	affect	KIAA0368	ENSG00000136813	14699072;
D004958	affect	KLF10	ENSG00000155090	14699072;
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D004958	affect	LPO	ENSG00000167419	16584521;
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D004958	affect	MDFIC	ENSG00000135272	14699072;
D004958	affect	MMP12	ENSG00000110347	14699072;
D004958	affect	MYO10	ENSG00000145555	14699072;
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D004958	affect	NEFH	ENSG00000100285	14699072;
D004958	affect	NPR2	ENSG00000159899	14699072;
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D004958	affect	PAPSS2	ENSG00000198682	14699072;
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D004958	affect	PRMT7	ENSG00000132600	17404688;
D004958	affect	PTPRU	ENSG00000060656	14699072;
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D004958	decrease	KRAS	ENSG00000133703	16474171;

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D004958	increase	TPM3	ENSG00000143549	16474171;
D004958	increase	TRAF6	ENSG00000175104	16202921;
D004958	increase	TRAK2	ENSG00000115993	16514628;
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D004958	increase	TUBB6	ENSG00000176014	16474171;
D004958	increase	TYMS	ENSG00000176890	16474171;
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D004958	increase	UHRF1	ENSG00000034063	16474171;
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D004958	increase	UNG	ENSG00000076248	14699072;16474171;16514628;
D004958	increase	USP32	ENSG00000170832	16514628;
D004958	increase	VCAM1	ENSG00000162692	12547825;
D004958	increase	VDR	ENSG00000111424	15930183;17088408;
D004958	increase	VEGFA	ENSG00000112715	17289903;18252963;17010073;16299233;
D004958	increase	WARS	ENSG00000140105	15757668;15159206;
D004958	increase	WNT10B	ENSG00000169884	12437293;
D004958	increase	WNT2	ENSG00000105989	15072547;
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D004958	increase	XRCC5	ENSG00000079246	16514628;
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D004958	increase	ZWINT	ENSG00000122952	16474171;
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D004963	increase	CTSD	ENSG00000117984	15219790;
D004963	increase	PGR	ENSG00000082175	15219790;
D004963	increase	PLAT	ENSG00000104368	15219790;
D004963	increase	TFF1	ENSG00000160182	15219790;

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D004964	decrease	ENO2	ENSG00000111674	15159206;
D004964	decrease	IGFBP5	ENSG00000115461	15159206;
D004964	decrease	SELENBP1	ENSG00000143416	15159206;
D004964	decrease	SLC12A2	ENSG00000064651	15159206;
D004964	increase	AFP	ENSG00000081051	18497072;
D004964	increase	AGER	ENSG00000204305	15878629;
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D004964	increase	NOS3	ENSG00000164867	12547825;
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D004966	decrease	IGF1	ENSG00000017427	10843175;
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D004966	decrease	IGFBP3	ENSG00000146674	10843175;
D004966	decrease	LHB	ENSG00000104826	10843175;
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D004967	affect	BSN	ENSG00000164061	15473135;
D004967	affect	CDH2	ENSG00000170558	15473135;
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D004967	affect	ESR2	ENSG00000140009	15664452;
D004967	affect	NPY1R	ENSG00000164128	15473135;
D004967	affect	RBBP8	ENSG00000101773	15473135;
D004967	affect	VDR	ENSG00000111424	15664452;
D004967	decrease	COMT	ENSG00000093010	15777990;15987428;17138778;
D004967	decrease	TNFRSF11A	ENSG00000141655	16005483;
D004967	decrease	TNFRSF11B	ENSG00000164761	16005483;
D004967	decrease	TNFSF11	ENSG00000120659	16005483;
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D004967	increase	DVL1	ENSG00000107404	18204794;
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D004967	increase	HRAS	ENSG00000174775	18204794;
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D004970	decrease	ENO2	ENSG00000111674	15159206;
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D004970	increase	SLC7A11	ENSG00000151012	15159206;
D004970	increase	WARS	ENSG00000140105	15159206;
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D004976	decrease	MAPK8	ENSG00000107643	14556662;
D004976	increase	AKR1C1	ENSG00000187134	9973208;
D004976	increase	CYP1A1	ENSG00000140465	9973208;
D004976	increase	DDIT3	ENSG00000175197	17171638;
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D004976	increase	MAPK3	ENSG00000102882	14556662;
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D004996	increase	BCL2	ENSG00000171791	15897899;
D004996	increase	CCND1	ENSG00000110092	15897899;
D004996	increase	CCNE1	ENSG00000105173	15897899;
D004996	increase	CCNE2	ENSG00000175305	15897899;
D004997	affect	ALPL	ENSG00000162551	12521655;
D004997	affect	BGLAP	ENSG00000242252	12521655;
D004997	affect	VDR	ENSG00000111424	12521655;
D004997	decrease	C4BPB	ENSG00000123843	14551147;
D004997	decrease	CD4	ENSG00000010610	10813102;
D004997	decrease	F5	ENSG00000198734	14551147;
D004997	decrease	FSHB	ENSG00000131808	12013081;11907703;10843 175;17190377;16002536;16 291413;15387353;1524449
D004997	decrease	GAS6	ENSG00000248501	17717130;
D004997	decrease	IGF1	ENSG000000017427	15817916;10843175;16002 536;11172797;
D004997	decrease	IGFBP2	ENSG00000115457	15817916;
D004997	decrease	IGFBP3	ENSG00000146674	15817916;10843175;
D004997	decrease	IL6R	ENSG00000160712	11907703;
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D004997	decrease	KLK3	ENSG00000142515	10687981;
D004997	decrease	LHB	ENSG00000104826	11907703;10843175;17190 377;17105841;16002536;16 291413;15387353;1524449
D004997	decrease	PLAT	ENSG00000104368	12618251;15157790;15288 212;
D004997	decrease	SCARB1	ENSG00000073060	17673517;
D004997	decrease	SERPINC1	ENSG00000117601	17374706;14561536;11994 571;12618251;15288212;14 981370;
D004997	decrease	SERPINE1	ENSG00000106366	14561536;15504374;14981 370;15288212;15157790;
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D004997	decrease	TFRC	ENSG00000072274	16002536;
D004997	decrease	VCAM1	ENSG00000162692	17105841;15769986;17903 073;
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D004997	increase	APOB	ENSG00000084674	15769986;
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D004997	increase	CRP	ENSG00000132693	10770211;
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D004997	increase	F10	ENSG00000126218	16522526;15504374;15288212;
D004997	increase	F2	ENSG00000180210	12616980;14561536;12618251;15157790;15288212;
D004997	increase	F7	ENSG00000057593	11720199;12618251;
D004997	increase	F8	ENSG00000185010	16637303;12618251;12616983;12616980;15288212;14561536;
D004997	increase	FGA	ENSG00000171560	16637303;12618251;12616983;12616980;15288212;14561536;
D004997	increase	FGB	ENSG00000171564	16637303;12618251;12616983;12616980;15288212;14561536;
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D004997	increase	FN1	ENSG00000115414	15504374;
D004997	increase	GH1	ENSG00000189162	10843175;11172797;
D004997	increase	GJA1	ENSG00000152661	10633228;
D004997	increase	IGF2	ENSG00000167244	15817916;
D004997	increase	IGFALS	ENSG00000099769	10843175;15817916;
D004997	increase	IGFBP4	ENSG00000141753	15817916;
D004997	increase	LDLR	ENSG00000130164	17900441;
D004997	increase	MDM2	ENSG00000135679	12168835;
D004997	increase	PLG	ENSG00000122194	17374706;14561536;11720199;12618251;15157790;
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D004997	increase	PROS1	ENSG00000184500	11095476;
D004997	increase	REN	ENSG00000143839	17673517;
D004997	increase	SCARB2	ENSG00000138760	14551147;
D004997	increase	SERPINA5	ENSG00000188488	11245553;16982228;
D004997	increase	SERPINA6	ENSG00000170099	16982228;
D004997	increase	SERPINA7	ENSG00000123561	15669648;
D004997	increase	SERPIND1	ENSG00000099937	11907703;17374706;10899481;14981370;12586319;17519148;11245553;16982228;10709161;
D004997	increase	SHBG	ENSG00000129214	

D004997	increase	SP1	ENSG00000185591	15878629;
D004997	increase	TNF	ENSG00000223952	15769986;
D004997	increase	VWF	ENSG00000110799	12616983;
D004999	decrease	BCL2	ENSG00000171791	15985719;
D004999	increase	BAX	ENSG00000087088	15985719;
D005047	affect	ATF4	ENSG00000128272	16298333;
D005047	affect	BAK1	ENSG00000030110	15215046;
D005047	affect	BCL2L1	ENSG00000171552	11468182;15917659;15215046;
D005047	affect	CASP9	ENSG00000132906	15215046;18056177;17935137;16364925;16799960;
D005047	affect	CCNA2	ENSG00000145386	17390037;
D005047	affect	DDIT3	ENSG00000175197	16298333;
D005047	affect	HSPA5	ENSG00000044574	16298333;
D005047	decrease	BCL2	ENSG00000171791	15917659;12063570;
D005047	decrease	BIRC3	ENSG00000023445	15050749;14666661;
D005047	decrease	CAB39	ENSG00000135932	17374387;
D005047	decrease	CEBPZ	ENSG00000115816	17374387;
D005047	decrease	EGF	ENSG00000138798	15228094;16969495;
D005047	decrease	EGFR	ENSG00000146648	15228094;
D005047	decrease	ERBB2	ENSG00000141736	15228094;
D005047	decrease	ERBB3	ENSG00000065361	16217747;15228094;
D005047	decrease	ERBB4	ENSG00000178568	15228094;
D005047	decrease	MAP3K5	ENSG00000197442	17374387;
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D005047	decrease	MMP1	ENSG00000196611	18557930;
D005047	decrease	NCK2	ENSG00000071051	17374387;
D005047	decrease	PRC1	ENSG00000198901	17374387;
D005047	decrease	TOP2A	ENSG00000131747	17575151;11676865;12569090;11470519;11531262;16969495;
D005047	decrease	UBE2C	ENSG00000175063	17374387;
D005047	increase	ABCB1	ENSG00000085563	12969965;15239124;
D005047	increase	AGRN	ENSG00000188157	17374387;
D005047	increase	ANXA4	ENSG00000196975	17374387;
D005047	increase	AREG	ENSG00000205595	15228094;
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D005047	increase	BRCA1	ENSG00000012048	16417649;15607317;
D005047	increase	CASP2	ENSG00000106144	14757846;
D005047	increase	CASP3	ENSG00000164305	16951922;15215046;18056177;16364925;16844113;17935137;18649362;
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D005047	increase	CD274	ENSG00000120217	17920123;
D005047	increase	CDK2	ENSG00000123374	16417649;16217747;
D005047	increase	CDKN1A	ENSG00000124762	14601052;
D005047	increase	CDKN1B	ENSG00000111276	17935137;
D005047	increase	CEACAM1	ENSG00000079385	17374387;
D005047	increase	CFLAR	ENSG00000003402	14601052;
D005047	increase	CYP27B1	ENSG00000111012	17716971;
D005047	increase	EI24	ENSG00000149547	17374387;
D005047	increase	EPM2AIP1	ENSG00000178567	17374387;
D005047	increase	EREG	ENSG00000124882	15228094;

D005047	increase	FASN	ENSG00000169710	17089011;
D005047	increase	FDXR	ENSG00000161513	17374387;
D005047	increase	HBEGF	ENSG00000113070	15228094;
D005047	increase	IL8	ENSG00000169429	10540334;
D005047	increase	MAP2K3	ENSG00000034152	17374387;
D005047	increase	PLK3	ENSG00000173846	17374387;
D005047	increase	RAD52	ENSG00000002016	16417649;
D005047	increase	RAD54L	ENSG00000085999	16417649;
D005047	increase	RPS27L	ENSG00000185088	18056458;
D005047	increase	SDC1	ENSG00000115884	17374387;
D005047	increase	TAP1	ENSG00000230705	17374387;
D005047	increase	TAX1BP3	ENSG00000213977	17374387;
D005047	increase	TGFA	ENSG00000163235	15228094;
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D005047	increase	TNFSF9	ENSG00000125657	17374387;
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D005047	increase	XRCC4	ENSG00000152422	16417649;
D005054	increase	UGDH	ENSG00000109814	16292757;
D005217	increase	IL1B	ENSG00000125538	16804125;
D005227	affect	CFTR	ENSG00000001626	14762183;
D005229	decrease	CRP	ENSG00000132693	16276071;
D005230	increase	ITGAM	ENSG00000169896	16357311;
D005231	increase	CD40	ENSG00000101017	15684433;
D005231	increase	IL12B	ENSG00000113302	15684433;
D005231	increase	PTGS2	ENSG00000073756	15684433;
D005231	increase	TNF	ENSG00000223952	15684433;17823444;
D005273	decrease	MAPT	ENSG00000186868	16930453;
D005279	increase	NGFR	ENSG00000064300	17409433;
D005280	increase	EDNRB	ENSG00000136160	16340002;
D005419	decrease	ABCC1	ENSG00000103222	15670588;15916776;15465739;
D005419	decrease	ARHGAP4	ENSG00000089820	15465739;
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D005419	decrease	BRCC3	ENSG00000185515	15465739;
D005419	decrease	CD79A	ENSG00000105369	15465739;
D005419	decrease	CEBPG	ENSG00000153879	15465739;
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D005419	decrease	IGF1	ENSG00000017427	15922007;
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D005419	decrease	TK1	ENSG00000167900	15465739;
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D005419	increase	CSF2RB	ENSG00000100368	15465739;
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D005419	increase	ICAM1	ENSG00000090339	15465739;
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D005424	increase	WIP1	ENSG00000070540	15342952;
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D005439	increase	IL1A	ENSG00000115008	10866999;
D005439	increase	NOS2	ENSG00000007171	10866999;
D005439	increase	PPARG	ENSG00000132170	9013583;10866999;
D005439	increase	PTGS2	ENSG00000073756	10866999;
D005439	increase	TNF	ENSG00000223952	10866999;

D005467	affect	UNG	ENSG00000076248	16951200;
D005467	increase	TK1	ENSG00000167900	16951200;
D005467	increase	TP53	ENSG00000141510	19015155;
D005472	affect	AARS	ENSG00000090861	15016801;
D005472	affect	ACTL8	ENSG00000117148	15016801;
D005472	affect	ACY1	ENSG00000243989	15016801;
D005472	affect	ADAM10	ENSG00000137845	15016801;
D005472	affect	ADAMTS9	ENSG00000163638	15016801;
D005472	affect	AGR2	ENSG00000106541	15016801;
D005472	affect	AKAP12	ENSG00000131016	16584549;
D005472	affect	AKR1B10	ENSG00000198074	16584549;
D005472	affect	AKR1C1	ENSG00000187134	16217747;16584549;
D005472	affect	AKR1C3	ENSG00000196139	16217747;16584549;
D005472	affect	ALG3	ENSG00000214160	15016801;
D005472	affect	ANKRD36B	ENSG00000196912	16584549;
D005472	affect	ANP32E	ENSG00000143401	15016801;
D005472	affect	AP3S1	ENSG00000177879	15016801;
D005472	affect	ARMCX1	ENSG00000126947	15016801;
D005472	affect	ASAH1	ENSG00000104763	16217747;15016801;
D005472	affect	ATOH8	ENSG00000168874	16584549;
D005472	affect	ATP5D	ENSG00000099624	15016801;
D005472	affect	ATXN10	ENSG00000130638	15016801;
D005472	affect	BCAT1	ENSG00000060982	15016801;
D005472	affect	BCKDHA	ENSG00000248098	16584549;
D005472	affect	BDKRB2	ENSG00000168398	15016801;
D005472	affect	BNIP3	ENSG00000176171	15067352;15016801;
D005472	affect	BOP1	ENSG00000170727	15016801;
D005472	affect	C12ORF5	ENSG00000078237	15016801;
D005472	affect	C1ORF183	ENSG00000197852	15016801;
D005472	affect	C1ORF35	ENSG00000143793	16584549;
D005472	affect	C4BPB	ENSG00000123843	16584549;
D005472	affect	CA14	ENSG00000118298	15016801;
D005472	affect	CAD	ENSG00000084774	15016801;
D005472	affect	CANX	ENSG00000127022	18678097;15016801;
D005472	affect	CBS	ENSG00000160200	15016801;
D005472	affect	CCNJL	ENSG00000135083	16584549;
D005472	affect	CD38	ENSG00000004468	16584549;
D005472	affect	CD52	ENSG00000169442	16584549;15016801;
D005472	affect	CD8A	ENSG00000153563	15016801;
D005472	affect	CDC20	ENSG00000117399	15016801;
D005472	affect	CDIPT	ENSG00000103502	16584549;
D005472	affect	CDK5R1	ENSG00000176749	15205334;
D005472	affect	CDKN3	ENSG00000100526	15016801;
D005472	affect	CHRNA4	ENSG00000101204	15016801;
D005472	affect	CLTC	ENSG00000141367	18927307;15016801;
D005472	affect	COL6A3	ENSG00000163359	16217747;15016801;
D005472	affect	CPD	ENSG00000108582	16217747;15016801;
D005472	affect	CP	ENSG00000047457	15016801;
D005472	affect	CPXM1	ENSG00000088882	15205334;
D005472	affect	CRHBP	ENSG00000145708	15205334;
D005472	affect	CRYGS	ENSG00000213139	15016801;
D005472	affect	CRYL1	ENSG00000165475	15016801;
D005472	affect	CSE1L	ENSG00000124207	15016801;
D005472	affect	CSNK1E	ENSG00000213923	16584549;

D005472	affect	CST8	ENSG00000125815	16584549;
D005472	affect	CTGF	ENSG00000118523	15205334;
D005472	affect	CUTC	ENSG00000119929	16217747;15016801;
D005472	affect	CXCR4	ENSG00000121966	16584549;
D005472	affect	CXCR7	ENSG00000144476	15016801;
D005472	affect	CYC1	ENSG00000179091	15016801;
D005472	affect	CYP2F1	ENSG00000197446	16584549;
D005472	affect	CYP3A4	ENSG00000160868	16584549;
D005472	affect	DARS	ENSG00000115866	16584549;
D005472	affect	DCCK	ENSG00000156136	15016801;
D005472	affect	DCLK1	ENSG00000133083	15016801;
D005472	affect	DCT	ENSG00000080166	15205334;
D005472	affect	DCXR	ENSG00000169738	15016801;
D005472	affect	DIMT1L	ENSG00000086189	15016801;
D005472	affect	DLC1	ENSG00000164741	15016801;
D005472	affect	DLK1	ENSG00000185559	15016801;
D005472	affect	DPYSL3	ENSG00000113657	15205334;
D005472	affect	DUSP14	ENSG00000161326	15016801;
D005472	affect	DUSP5	ENSG00000138166	15016801;
D005472	affect	E2F8	ENSG00000129173	16584549;
D005472	affect	EHF	ENSG00000135373	15016801;
D005472	affect	ELN	ENSG00000049540	15205334;
D005472	affect	EP400	ENSG00000183495	15016801;
D005472	affect	EPHA2	ENSG00000142627	15016801;
D005472	affect	EPYC	ENSG00000083782	15205334;
D005472	affect	ETF1	ENSG00000120705	15016801;
D005472	affect	ETS1	ENSG00000134954	15016801;
D005472	affect	FAH	ENSG00000103876	15016801;
D005472	affect	FAM102A	ENSG00000167106	16584549;
D005472	affect	FAM107B	ENSG00000065809	15016801;
D005472	affect	FAM114A1	ENSG00000197712	16584549;
D005472	affect	FAM20C	ENSG00000177706	16584549;
D005472	affect	FKBP5	ENSG00000096060	15016801;
D005472	affect	FMOD	ENSG00000122176	15016801;
D005472	affect	FOXC1	ENSG00000054598	16584549;
D005472	affect	GBAS	ENSG00000146729	15016801;
D005472	affect	GCSH	ENSG00000140905	15016801;
D005472	affect	GDF1	ENSG00000130283	15016801;
D005472	affect	GEM	ENSG00000164949	15205334;
D005472	affect	GINS2	ENSG00000131153	16584549;
D005472	affect	GP1BB	ENSG00000203618	16584549;
D005472	affect	GPR137C	ENSG00000180998	16584549;
D005472	affect	GRHL3	ENSG00000158055	16584549;
D005472	affect	GRINA	ENSG00000178719	16584549;
D005472	affect	GSPT1	ENSG00000103342	15016801;
D005472	affect	GYG2	ENSG00000056998	15016801;
D005472	affect	H2AFX	ENSG00000188486	16584549;15016801;
D005472	affect	HAND1	ENSG00000113196	15016801;
D005472	affect	HAPLN2	ENSG00000132702	16584549;
D005472	affect	HBA1	ENSG00000206172	15016801;
D005472	affect	HDGFRP3	ENSG00000166503	15016801;
D005472	affect	HERPUD1	ENSG00000051108	15016801;
D005472	affect	HHLA3	ENSG00000197568	16584549;
D005472	affect	HIST2H4A	ENSG00000182217	16584549;

D005472	affect	HM13	ENSG00000101294	16584549;
D005472	affect	HMMR	ENSG00000072571	15016801;
D005472	affect	HNRNPA2B	ENSG00000122566	15016801;
D005472	affect	HNRNPF	ENSG00000169813	15016801;
D005472	affect	HOXC11	ENSG00000123388	15331170;
D005472	affect	HPX	ENSG00000110169	15016801;
D005472	affect	HSD17B2	ENSG00000086696	16584549;
D005472	affect	HTR7	ENSG00000148680	16584549;
D005472	affect	IER5	ENSG00000162783	15016801;
D005472	affect	IFI16	ENSG00000163565	15016801;
D005472	affect	IL8	ENSG00000169429	16584549;
D005472	affect	INPP5E	ENSG00000148384	15016801;
D005472	affect	IQGAP2	ENSG00000145703	15016801;
D005472	affect	ITPR1	ENSG00000150995	15016801;
D005472	affect	KCNQ2	ENSG00000075043	15016801;
D005472	affect	KIAA0090	ENSG00000127463	16584549;
D005472	affect	KIF15	ENSG00000163808	15016801;
D005472	affect	KIF23	ENSG00000137807	15016801;
D005472	affect	KLF5	ENSG00000102554	15016801;
D005472	affect	KLK15	ENSG00000174562	16584549;
D005472	affect	KRT17	ENSG00000128422	16584549;
D005472	affect	KRT6A	ENSG00000205420	16584549;
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D005472	affect	LDHA	ENSG00000134333	15016801;
D005472	affect	LRBA	ENSG00000198589	15016801;
D005472	affect	LYPLA1	ENSG00000120992	15016801;
D005472	affect	MACF1	ENSG00000127603	15016801;
D005472	affect	MAP4K5	ENSG00000012983	15016801;
D005472	affect	MARS	ENSG00000166986	15016801;
D005472	affect	MCM10	ENSG00000065328	16584549;
D005472	affect	MCM4	ENSG00000104738	15205334;
D005472	affect	MCM6	ENSG00000076003	15016801;
D005472	affect	MCM7	ENSG00000166508	15548681;15016801;
D005472	affect	MDFIC	ENSG00000135272	16584549;
D005472	affect	MEF2B	ENSG00000213999	16584549;
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D005472	affect	MFN2	ENSG00000116688	16584549;
D005472	affect	MMP1	ENSG00000196611	15016801;
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D005472	affect	MRAS	ENSG00000158186	16584549;
D005472	affect	MYLIP	ENSG00000007944	16584549;
D005472	affect	NASP	ENSG00000132780	15016801;
D005472	affect	NBN	ENSG00000104320	15016801;
D005472	affect	NCAPG	ENSG00000109805	15016801;
D005472	affect	NEK2	ENSG00000117650	15016801;
D005472	affect	NEUROD1	ENSG00000162992	16584549;
D005472	affect	NINJ1	ENSG00000131669	15016801;
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D005472	affect	NR1D2	ENSG00000174738	15016801;
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D005472	affect	NUPR1	ENSG00000176046	16584549;
D005472	affect	ODC1	ENSG00000115758	15016801;
D005472	affect	OXCT1	ENSG00000083720	16217747;15016801;
D005472	affect	PAFAH1B1	ENSG00000007168	15016801;

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D005472	affect	PDCD1LG2	ENSG00000197646	15016801;
D005472	affect	PGLYRP1	ENSG00000008438	15016801;
D005472	affect	PHIP	ENSG00000146247	15016801;
D005472	affect	PI4KB	ENSG00000143393	15016801;
D005472	affect	PLAU	ENSG00000122861	16584549;
D005472	affect	PMAIP1	ENSG00000141682	16217747;15016801;
D005472	affect	PMF1	ENSG00000160783	15016801;
D005472	affect	PPA2	ENSG00000138777	15016801;
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D005472	affect	PREPL	ENSG00000138078	15016801;
D005472	affect	PRKAG2	ENSG00000106617	15016801;
D005472	affect	PRKCI	ENSG00000163558	15016801;
D005472	affect	PRKCZ	ENSG00000067606	16584549;
D005472	affect	PRKDC	ENSG00000121031	18546291;15016801;
D005472	affect	PROCR	ENSG00000101000	15016801;
D005472	affect	PRSS2	ENSG00000204983	16584549;
D005472	affect	PUM1	ENSG00000134644	16584549;
D005472	affect	PURA	ENSG00000185129	16584549;
D005472	affect	PURG	ENSG00000172733	15016801;
D005472	affect	QSOX1	ENSG00000116260	15016801;
D005472	affect	R3HDM2	ENSG00000179912	16584549;
D005472	affect	RAB21	ENSG00000080371	15205334;
D005472	affect	RANBP1	ENSG00000099901	15016801;
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D005472	affect	RB1	ENSG00000139687	15205334;17640669;18383 818;18678097;
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D005472	affect	RDX	ENSG00000137710	16584549;
D005472	affect	RECQL4	ENSG00000160957	15016801;
D005472	affect	REST	ENSG00000084093	16584549;
D005472	affect	REV1	ENSG00000135945	16584549;
D005472	affect	RFC4	ENSG00000163918	15016801;
D005472	affect	RGS16	ENSG00000143333	15205334;
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D005472	affect	RPL10A	ENSG00000198755	15016801;
D005472	affect	RPS26	ENSG00000197728	16584549;
D005472	affect	SAMHD1	ENSG00000101347	16584549;
D005472	affect	SAP30	ENSG00000164105	15016801;
D005472	affect	SCN2B	ENSG00000149575	16584549;
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D005472	affect	SEC31B	ENSG00000075826	15016801;
D005472	affect	SERPINA7	ENSG00000123561	15016801;
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D005472	affect	SLCO2A1	ENSG00000174640	16584549;
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D005472	affect	SPRR1B	ENSG00000169469	16584549;
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D005472	affect	TBCD	ENSG00000141556	15016801;
D005472	affect	TCEB3	ENSG00000011007	15205334;
D005472	affect	TFF1	ENSG00000160182	15016801;
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D005472	affect	TGFA	ENSG00000163235	15016801;
D005472	affect	TJP3	ENSG00000105289	16584549;
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D005472	affect	TPP1	ENSG00000166340	16584549;
D005472	affect	TRAP1	ENSG00000126602	15016801;
D005472	affect	TRIB3	ENSG00000101255	16584549;
D005472	affect	TROAP	ENSG00000135451	15016801;
D005472	affect	TSPO	ENSG00000100300	15016801;
D005472	affect	TSSC1	ENSG00000032389	15016801;
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D005472	affect	UBE2T	ENSG00000077152	16557594;
D005472	affect	UGT8	ENSG00000174607	15016801;
D005472	affect	UNC5B	ENSG00000107731	16584549;
D005472	affect	UNG	ENSG00000076248	16951200;18714155;
D005472	affect	UQCRB	ENSG00000156467	15016801;
D005472	affect	USH2A	ENSG00000042781	15016801;
D005472	affect	VANGL2	ENSG00000162738	15016801;
D005472	affect	VPREB3	ENSG00000128218	16584549;
D005472	affect	VPS35	ENSG00000069329	16584549;
D005472	affect	WARS	ENSG00000140105	15016801;
D005472	affect	WBP4	ENSG00000120688	16584549;
D005472	affect	WDR61	ENSG00000140395	15016801;
D005472	affect	WEE1	ENSG00000166483	15016801;
D005472	affect	WTAP	ENSG00000146457	15016801;
D005472	affect	YARS	ENSG00000134684	15016801;
D005472	affect	ZAK	ENSG00000091436	16584549;
D005472	affect	ZC3H3	ENSG00000014164	16584549;
D005472	affect	ZIM2	ENSG00000198300	15016801;
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D005472	affect	ZNF266	ENSG00000174652	15016801;
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D005472	decrease	ACTG2	ENSG00000163017	16709241;
D005472	decrease	ADCY9	ENSG00000162104	19219653;
D005472	decrease	AHNAK	ENSG00000124942	15352031;
D005472	decrease	AKT1	ENSG00000142208	18794807;17918158;
D005472	decrease	ALCAM	ENSG00000170017	15352031;
D005472	decrease	ALDH1A3	ENSG00000184254	15352031;
D005472	decrease	ALKBH8	ENSG00000137760	16510598;
D005472	decrease	AMPD2	ENSG00000116337	19219653;
D005472	decrease	ANGPT2	ENSG00000091879	17786339;
D005472	decrease	ANLN	ENSG00000011426	17982676;15016801;

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D005472	decrease	ANXA4	ENSG00000196975	15109396;
D005472	decrease	AP2S1	ENSG00000042753	16391804;
D005472	decrease	AP4S1	ENSG00000100478	16510598;
D005472	decrease	ARPC3	ENSG00000111229	16709241;
D005472	decrease	ASS1	ENSG00000130707	16391804;
D005472	decrease	ATG12	ENSG00000145782	16510598;
D005472	decrease	ATP9A	ENSG00000054793	15352031;
D005472	decrease	AURKA	ENSG00000087586	16557594;
D005472	decrease	BCAR3	ENSG00000137936	15352031;
D005472	decrease	BCL2L12	ENSG00000126453	19015929;
D005472	decrease	BDH1	ENSG00000161267	16803524;15585135;
D005472	decrease	BRIX1	ENSG00000113460	16510598;
D005472	decrease	BUB1B	ENSG00000156970	16709241;16557594;
D005472	decrease	BUB1	ENSG00000169679	16709241;
D005472	decrease	BUB3	ENSG00000154473	15548681;16803524;15585135;
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D005472	decrease	CAV1	ENSG00000105974	15352031;
D005472	decrease	CAV2	ENSG00000105971	16510598;
D005472	decrease	CCNA2	ENSG00000145386	15548681;18383818;16557594;15205334;15546879;
D005472	decrease	CCNB1	ENSG00000134057	17982676;16557594;15205334;15546879;15016801;
D005472	decrease	CCNB2	ENSG00000157456	16709241;16557594;17982488;15016801;
D005472	decrease	CCNC	ENSG00000112237	16709241;
D005472	decrease	CCND1	ENSG00000110092	15352031;18930000;17982676;
D005472	decrease	CD8B	ENSG00000172116	15352031;
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D005472	decrease	CDC25B	ENSG00000101224	16709241;
D005472	decrease	CDC73	ENSG00000134371	16510598;
D005472	decrease	CDCA8	ENSG00000134690	17374387;
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D005472	decrease	CDKN1B	ENSG00000111276	17217824;18930000;
D005472	decrease	CDKN2A	ENSG00000147889	17982676;
D005472	decrease	CDKN2C	ENSG00000123080	16557594;
D005472	decrease	CEP55	ENSG00000138180	17039268;
D005472	decrease	CKS2	ENSG00000123975	17374387;
D005472	decrease	CLDN4	ENSG00000189143	15352031;
D005472	decrease	CLEC11A	ENSG00000105472	15352031;
D005472	decrease	COL12A1	ENSG00000111799	15205334;16510598;
D005472	decrease	COL4A2	ENSG00000134871	15352031;
D005472	decrease	CPA4	ENSG00000128510	16510598;
D005472	decrease	CRYZ	ENSG00000116791	17982676;
D005472	decrease	CST7	ENSG00000077984	15352031;
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D005472	decrease	CTPS	ENSG00000171793	19219653;
D005472	decrease	CTTN	ENSG00000085733	16803524;15585135;
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D005472	decrease	DBF4	ENSG00000006634	16510598;
D005472	decrease	DICER1	ENSG00000100697	16510598;
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D005472	decrease	DUT	ENSG00000128951	19015155;16557594;

D005472	decrease	ECT2	ENSG00000114346	17982676;
D005472	decrease	EFHD2	ENSG00000142634	16510598;
D005472	decrease	EFNB2	ENSG00000125266	16217747;15352031;
				16098254;19217205;17169
D005472	decrease	EGFR	ENSG00000146648	374;16836928;15981280;17
				146438;15723263;1791815
				8;17982676;18794807;1573
D005472	decrease	EIF2B2	ENSG00000119718	16803524;15585135;
D005472	decrease	ENTPD1	ENSG00000138185	19219653;
D005472	decrease	EPRS	ENSG00000136628	16709241;
D005472	decrease	ERBB2	ENSG00000141736	17918158;18337622;15940
				066;15205334;15737843;
D005472	decrease	ERBB3	ENSG00000065361	17918158;
				17401013;18448328;15213
D005472	decrease	ERCC1	ENSG00000012061	713;15173087;17016597;15
				737843;
D005472	decrease	EREG	ENSG00000124882	16510598;
D005472	decrease	ERP29	ENSG00000089248	16803524;15585135;
D005472	decrease	F12	ENSG00000131187	15352031;
D005472	decrease	F2	ENSG00000180210	16709241;
D005472	decrease	F3	ENSG00000117525	15067352;16510598;
D005472	decrease	FAM76B	ENSG00000077458	16510598;
D005472	decrease	FANCC	ENSG00000158169	16557594;
D005472	decrease	FARS2	ENSG00000145982	16101138;
D005472	decrease	FBXO5	ENSG00000112029	16557594;
D005472	decrease	FGF2	ENSG00000138685	16510598;
D005472	decrease	FGG	ENSG00000171557	16217747;17039268;
D005472	decrease	FND3B	ENSG00000075420	16217747;16510598;
D005472	decrease	FOLR1	ENSG00000110195	16510598;
D005472	decrease	FOXN3	ENSG00000053254	15352031;
D005472	decrease	GLI1	ENSG00000111087	18776995;
D005472	decrease	GNB2	ENSG00000172354	16709241;
D005472	decrease	GNE	ENSG00000159921	15352031;
D005472	decrease	GUCY1B3	ENSG00000061918	19219653;
D005472	decrease	HBE1	ENSG00000213931	15352031;
D005472	decrease	HDAC4	ENSG00000068024	16557594;
D005472	decrease	HIST1H4B	ENSG00000182217	17039268;15016801;
D005472	decrease	HIST1H4C	ENSG00000182217	17039268;16510598;
D005472	decrease	HK2	ENSG00000159399	16595493;18772588;
D005472	decrease	HMG20B	ENSG00000064961	16709241;
D005472	decrease	HNRNPA1	ENSG00000135486	16101138;
D005472	decrease	HS6ST2	ENSG00000171004	16510598;
D005472	decrease	HSPA1B	ENSG00000232804	15352031;
D005472	decrease	HSPA4	ENSG00000170606	15352031;
D005472	decrease	IGFBP5	ENSG00000115461	16557594;
D005472	decrease	IGFBP6	ENSG00000167779	15352031;
D005472	decrease	ITGB4	ENSG00000132470	15205334;
D005472	decrease	KCTD12	ENSG00000178695	17039268;
D005472	decrease	KIAA0101	ENSG00000166803	17039268;16391804;
D005472	decrease	KLF6	ENSG00000067082	15205334;
D005472	decrease	KLK6	ENSG00000167755	15352031;
D005472	decrease	KNG1	ENSG00000113889	16391804;
D005472	decrease	KPNA2	ENSG00000182481	17374387;15016801;
D005472	decrease	KPNA3	ENSG00000102753	16709241;
D005472	decrease	KRAS	ENSG00000133703	16803524;15585135;

D005472	decrease	KRT5	ENSG00000186081	15352031;
D005472	decrease	KRT86	ENSG00000170442	15352031;
D005472	decrease	L1CAM	ENSG00000198910	15352031;
D005472	decrease	LGALS7	ENSG00000178934	15352031;
D005472	decrease	LIPH	ENSG00000163898	16709241;
D005472	decrease	LRP8	ENSG00000157193	16101138;
D005472	decrease	MAD2L1	ENSG00000164109	16557594;17039268;
D005472	decrease	MAD2L2	ENSG00000116670	16803524;
D005472	decrease	MAGEA12	ENSG00000213401	15352031;
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D005472	decrease	MAGEA6	ENSG00000197172	15352031;
D005472	decrease	MAGEB2	ENSG00000099399	15352031;
D005472	decrease	MARCKS	ENSG00000155130	17039268;16217747;
D005472	decrease	MBNL1	ENSG00000152601	16709241;
D005472	decrease	MCM3	ENSG00000112118	16709241;15016801;
D005472	decrease	MDFI	ENSG00000112559	15352031;
D005472	decrease	MGMT	ENSG00000170430	17487405;
D005472	decrease	MKI67	ENSG00000148773	15205334;16709241;15548681;15940066;
D005472	decrease	MKX	ENSG00000150051	16510598;
D005472	decrease	MPP7	ENSG00000150054	16510598;
D005472	decrease	MSH2	ENSG00000095002	16709241;16557594;18949393;
D005472	decrease	MSX2	ENSG00000120149	15352031;
D005472	decrease	MT1X	ENSG00000187193	17039268;
D005472	decrease	MTAP	ENSG00000099810	16510598;
D005472	decrease	MYB	ENSG00000118513	16557594;15548681;
D005472	decrease	NAF1	ENSG00000145414	16510598;
D005472	decrease	NAIP	ENSG00000250628	16101138;
D005472	decrease	NBL1	ENSG00000158747	16709241;
D005472	decrease	NEK1	ENSG00000137601	16709241;
D005472	decrease	NEK4	ENSG00000114904	16709241;
D005472	decrease	NEK6	ENSG00000119408	17039268;
D005472	decrease	NEK9	ENSG00000119638	16709241;
D005472	decrease	NFIB	ENSG00000147862	16557594;
D005472	decrease	NFKB1	ENSG00000109320	15548681;16637064;
D005472	decrease	NOM1	ENSG00000146909	16510598;
D005472	decrease	NPM3	ENSG00000107833	16510598;
D005472	decrease	NTRK2	ENSG00000148053	15352031;
D005472	decrease	NTSR1	ENSG00000101188	15352031;
D005472	decrease	NUCKS1	ENSG00000069275	16803524;15585135;15016801;
D005472	decrease	PAQR8	ENSG00000170915	17039268;
D005472	decrease	PARP1	ENSG00000143799	19084572;17982676;16525653;15996812;
D005472	decrease	PCDHA5	ENSG00000204965	16803524;15585135;
D005472	decrease	PDCD4	ENSG00000150593	15109396;
D005472	decrease	PDCD6IP	ENSG00000170248	17039268;
D005472	decrease	PDIA4	ENSG00000155660	16709241;
D005472	decrease	PDXK	ENSG00000160209	16510598;
D005472	decrease	PDXP	ENSG00000241360	16709241;
D005472	decrease	PIR	ENSG00000087842	15352031;
D005472	decrease	POLA1	ENSG00000101868	19219653;
D005472	decrease	PPARG	ENSG00000132170	15352031;

D005472	decrease	PPP1R2	ENSG00000184203	17039268;16557594;
D005472	decrease	PRC1	ENSG00000198901	17374387;
D005472	decrease	PRODH2	ENSG00000250799	15352031;
D005472	decrease	PRPF18	ENSG00000165630	16101138;
D005472	decrease	PRPS2	ENSG00000101911	16510598;
D005472	decrease	PRRG1	ENSG00000130962	17039268;
D005472	decrease	PSMB10	ENSG00000205220	16510598;
D005472	decrease	PSRC1	ENSG00000134222	17374387;
D005472	decrease	PTEN	ENSG00000171862	17039268;
D005472	decrease	RAB11A	ENSG00000103769	17039268;
D005472	decrease	RAB8A	ENSG00000167461	16709241;
D005472	decrease	RAD54B	ENSG00000197275	16557594;
D005472	decrease	RAMP1	ENSG00000132329	15352031;16896004;
D005472	decrease	RARRES2	ENSG00000106538	16709241;
D005472	decrease	RBBP4	ENSG00000162521	16557594;18678097;
D005472	decrease	RBP1	ENSG00000248478	15352031;
D005472	decrease	RBPJ	ENSG00000168214	16391804;
D005472	decrease	RCC1	ENSG00000180198	16709241;
D005472	decrease	RELA	ENSG00000173039	19003803;15548681;16680372;16637064;
D005472	decrease	RGS13	ENSG00000127074	16803524;
D005472	decrease	RGS2	ENSG00000116741	16510598;
D005472	decrease	RNF4	ENSG00000063978	16709241;
D005472	decrease	RPL37	ENSG00000145592	16557594;
D005472	decrease	RPL3	ENSG00000100316	16803524;15585135;
D005472	decrease	RRBP1	ENSG00000125844	15352031;
D005472	decrease	RRP15	ENSG00000067533	16510598;
D005472	decrease	S100A3	ENSG00000188015	15352031;
D005472	decrease	S100A4	ENSG00000196154	15352031;
D005472	decrease	S100P	ENSG00000163993	15352031;18636193;
D005472	decrease	SCAMP3	ENSG00000116521	16391804;
D005472	decrease	SCG2	ENSG00000171951	15352031;
D005472	decrease	SCNN1A	ENSG00000111319	15352031;
D005472	decrease	SERF2	ENSG00000140264	16510598;
D005472	decrease	SERPINB4	ENSG00000206073	16803524;
D005472	decrease	SHH	ENSG00000164690	18776995;
D005472	decrease	SLC15A1	ENSG00000088386	16253763;
D005472	decrease	SLC16A1	ENSG00000155380	16709241;
D005472	decrease	SMN2	ENSG00000172062	16101138;
D005472	decrease	SMO	ENSG00000128602	18776995;
D005472	decrease	SNAPC1	ENSG00000023608	16803524;15585135;
D005472	decrease	SNRNP48	ENSG00000168566	16510598;
D005472	decrease	SQLE	ENSG00000104549	15205334;
D005472	decrease	SR140	ENSG00000163714	16510598;
D005472	decrease	SRP19	ENSG00000153037	16391804;
D005472	decrease	SRRM1	ENSG00000133226	16709241;
D005472	decrease	STAU1	ENSG00000124214	16709241;
D005472	decrease	SUFU	ENSG00000107882	18776995;
D005472	decrease	SUPV3L1	ENSG00000156502	17039268;
D005472	decrease	SWAP70	ENSG00000133789	16510598;
D005472	decrease	SYMPK	ENSG00000125755	16709241;
D005472	decrease	SYNCRIP	ENSG00000135316	17039268;
D005472	decrease	TAF5L	ENSG00000135801	16391804;
D005472	decrease	TAGLN	ENSG00000149591	15352031;16217747;

D005472	decrease	TERT	ENSG00000164362	17923759;16929163;16455633;17996122;15003732;18396642;15608686;1501680
D005472	decrease	TFDP1	ENSG00000198176	16510598;
D005472	decrease	THOC1	ENSG00000079134	16709241;
D005472	decrease	TK1	ENSG00000167900	16557594;15374632;15548681;
D005472	decrease	TMEM33	ENSG00000109133	16510598;
D005472	decrease	TNNI3	ENSG00000129991	15352031;
D005472	decrease	TNNT1	ENSG00000105048	15352031;
D005472	decrease	TOP1	ENSG00000198900	16709241;18509181;
D005472	decrease	TOP2A	ENSG00000131747	15205334;16557594;18465341;15016801;
D005472	decrease	TPI1	ENSG00000111669	16510598;18309519;
D005472	decrease	TSPAN8	ENSG00000127324	16391804;
D005472	decrease	TSR1	ENSG00000167721	16510598;
D005472	decrease	TTYH2	ENSG00000141540	16510598;
D005472	decrease	TUBA8	ENSG00000183785	17039268;
D005472	decrease	TUBB	ENSG00000229684	17039268;
D005472	decrease	UBE2C	ENSG00000175063	17039268;16557594;17374387;
D005472	decrease	UCK2	ENSG00000143179	19219653;15548681;
D005472	decrease	USP14	ENSG00000101557	16803524;
D005472	decrease	VAV3	ENSG00000134215	16557594;
D005472	decrease	VPS52	ENSG00000224455	16709241;
D005472	decrease	WDR4	ENSG00000160193	16510598;
D005472	decrease	YWHAE	ENSG00000108953	16709241;
D005472	decrease	ZBTB20	ENSG00000181722	16510598;
D005472	decrease	ZBTB7A	ENSG00000178951	15352031;
D005472	decrease	ZNF367	ENSG00000165244	16510598;
D005472	increase	ABCB1	ENSG00000085563	12576456;17284363;17934748;17287894;15239124;
D005472	increase	ABCC6	ENSG000000091262	15352031;
D005472	increase	ACADL	ENSG00000115361	16803524;15585135;
D005472	increase	ADSS	ENSG00000035687	16709241;16803524;15585135;
D005472	increase	AIFM1	ENSG00000156709	16168113;
D005472	increase	AKT2	ENSG00000105221	16803524;
D005472	increase	AMT	ENSG00000145020	16803524;15585135;
D005472	increase	ANGPT1	ENSG00000154188	17786339;
D005472	increase	ANKRD11	ENSG00000167522	16584549;16510598;
D005472	increase	ANKRD1	ENSG00000148677	17039268;
D005472	increase	ANXA2	ENSG00000182718	15152939;
D005472	increase	ANXA3	ENSG00000138772	17039268;
D005472	increase	APAF1	ENSG00000120868	16557594;
D005472	increase	APOBEC3C	ENSG00000244509	15352031;16510598;
D005472	increase	AREG	ENSG00000205595	15067352;16709241;
D005472	increase	ARFGAP1	ENSG00000101199	15331170;
D005472	increase	ARL4C	ENSG00000188042	16510598;
D005472	increase	ATF3	ENSG00000162772	15205334;16709241;16557594;14665630;15016801;
D005472	increase	ATP6	ENSG00000198899	16391804;
D005472	increase	AVEN	ENSG00000169857	16510598;16709241;
D005472	increase	BAK1	ENSG00000030110	18593893;16557594;15489892;

D005472	increase	BARX2	ENSG00000043039	16803524;15585135;
D005472	increase	BAT1	ENSG00000229496	16510598;
				11062132;16686938;17399
				942;15996812;15709199;18
D005472	increase	BAX	ENSG00000087088	834353;16168113;1564198
				8;17589894;17045692;1705
				6233;15986848;19015929;
D005472	increase	BBC3	ENSG00000105327	16481741;16557594;14665
				630;15489892;15016801;
				16407826;16412276;16332
				177;18949393;15177426;16
				603448;15940066;1743941
D005472	increase	BCL2	ENSG00000171791	4;15709199;19084572;1758
				9894;16557594;15996812;1
				6929163;17287894;182052
				57;18161298;14503796;190
				15929;16596200;16391804;
				16407826;15767554;17033
				717;16875599;15289866;15
D005472	increase	BCL2L1	ENSG00000171552	709199;17439414;1692916
				3;17045692;17399942;1655
				7594;16596200;
D005472	increase	BEAN	ENSG00000166546	15352031;
D005472	increase	BIRC2	ENSG00000110330	17039268;
D005472	increase	BIRC3	ENSG00000023445	16557594;
				15067352;16217747;18714
				155;17686279;15685548;16
D005472	increase	BIRC5	ENSG00000089685	929163;16709241;1510939
				6;17399942;16596200;
				15067352;15109396;16557
D005472	increase	BNIP3L	ENSG00000104765	594;16709241;17039268;
				17982676;15607317;16101
D005472	increase	BRCA1	ENSG00000012048	138;16557594;
D005472	increase	BTG2	ENSG00000159388	17982676;15016801;
D005472	increase	BTN3A3	ENSG00000111801	16101138;
D005472	increase	C10ORF116	ENSG00000148671	17039268;
D005472	increase	C10ORF118	ENSG00000165813	16510598;
D005472	increase	C10ORF119	ENSG00000197771	17039268;
D005472	increase	C20ORF165	ENSG00000149634	15331170;
D005472	increase	C4ORF34	ENSG00000163683	16510598;
D005472	increase	C7ORF16	ENSG00000106341	16803524;
D005472	increase	CALB2	ENSG00000172137	16510598;
				17056233;15546879;19084
				572;16407826;15685448;12
				414664;16803524;1883059
				4;17399942;16080519;1820
D005472	increase	CASP3	ENSG00000164305	5257;18161298;17498489;1
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				96;15585135;18772588;170
				16659;16168113;18608205;
				15585135;
D005472	increase	CASP4	ENSG00000196954	16217747;15352031;
				17056233;17498489;16803
D005472	increase	CASP8	ENSG00000064012	524;12414664;18830594;17
				637740;15585135;1701665
				9;16168113;

D005472	increase	CASP9	ENSG00000132906	17056233;16168113;16407826;12414664;15996812;16803524;18830594;17498489;15546879;17016659;1901
D005472	increase	CCND2	ENSG00000118971	15352031;15016801;
D005472	increase	CCND3	ENSG00000112576	15067352;15548681;18383818;16709241;
D005472	increase	CCNE1	ENSG00000105173	18930000;16101138;15342418;
D005472	increase	CCNG1	ENSG00000113328	16217747;16709241;17982676;16557594;15152939;
D005472	increase	CCNG2	ENSG00000138764	15067352;17039268;16510598;16557594;18754885;
D005472	increase	CD274	ENSG00000120217	17920123;
D005472	increase	CDC40	ENSG00000168438	16803524;
D005472	increase	CDC6	ENSG00000094804	16557594;17039268;16709241;15342418;
D005472	increase	CDCA5	ENSG00000146670	16709241;
D005472	increase	CDK1	ENSG00000170312	16557594;17039268;15205334;15152939;15342418;
D005472	increase	CDK2	ENSG00000123374	15548681;18383818;16557594;15342418;
D005472	increase	CDKN1A	ENSG00000124762	15067352;15161699;15331170;15942645;16686938;15375580;15546879;16168113;15489892;15625077;14665630;16434701;17355264;16557594;16584549;16709241;15205334;17039268;19098008;17699798;17982676;15016801;18834353;15342418;
D005472	increase	CEBPB	ENSG00000172216	16584549;16557594;
D005472	increase	CENPQ	ENSG00000031691	15331170;
D005472	increase	CES2	ENSG00000172831	16963839;17287894;15205334;
D005472	increase	CFLAR	ENSG00000003402	16373718;15548681;16217747;17045692;15152939;
D005472	increase	CHEK1	ENSG00000149554	18698031;15016801;
D005472	increase	CHI3L1	ENSG00000133048	15205334;
D005472	increase	CIDEB	ENSG00000136305	16803524;15585135;
D005472	increase	CPE	ENSG00000109472	15352031;
D005472	increase	CRABP1	ENSG00000166426	15352031;
D005472	increase	CRIM1	ENSG00000150938	15352031;16510598;
D005472	increase	CSTF3	ENSG00000176102	15331170;
D005472	increase	CTSH	ENSG00000103811	15352031;
D005472	increase	CUL4B	ENSG00000158290	16803524;
D005472	increase	CUL5	ENSG00000166266	16557594;
D005472	increase	CYFIP2	ENSG00000055163	16217747;17982676;17039268;15016801;
D005472	increase	CYR61	ENSG00000142871	15067352;17699798;
D005472	increase	DDB2	ENSG00000134574	15331170;17982676;16584549;
D005472	increase	DDIT3	ENSG00000175197	17355264;
D005472	increase	DDIT4	ENSG00000168209	17039268;16510598;16557594;
D005472	increase	DHFR	ENSG00000228716	16557594;15109396;
D005472	increase	DHX15	ENSG00000109606	16584549;
D005472	increase	DIABLO	ENSG00000184047	18031615;16557594;

D005472	increase	DKK4	ENSG00000104371	16584549;
D005472	increase	DNER	ENSG00000187957	16510598;
				16568373;17046731;17121
				937;18443386;18299612;19
				104657;17064846;1559171
				5;15858133;18986760;1524
				6190;18383874;15239142;1
				6361556;18197934;150173
				33;18619742;15655543;188
D005472	increase	DPYD	ENSG00000188641	46242;19020767;15993511;
				16646564;18600527;15930
				747;17520254;16033824;14
				689231;16282729;1737779
				1;19105824;15890242;1822
				5548;18075467;16115930;1
				6557585;16761622;192196
				53;17330233;15109396;158
				65071;15737843;19093184
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D005472	increase	DUSP6	ENSG00000139318	16510598;
D005472	increase	ECHS1	ENSG00000127884	15152939;
D005472	increase	EDN1	ENSG00000078401	19098008;
D005472	increase	EEF1A1	ENSG00000156508	17982676;
D005472	increase	EGR1	ENSG00000120738	18757417;15205334;16557
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D005472	increase	EIF3H	ENSG00000147677	16803524;15585135;
D005472	increase	EIF4E	ENSG00000151247	16584549;15016801;
D005472	increase	EIF4H	ENSG00000106682	16803524;15585135;
D005472	increase	EIF5	ENSG00000100664	17039268;
D005472	increase	ELMO2	ENSG00000062598	16803524;
D005472	increase	EPAS1	ENSG00000116016	16557594;
D005472	increase	EPHX1	ENSG00000143819	16217747;15205334;
D005472	increase	FANCG	ENSG00000221829	15067352;15548681;15109
				396;
				17056233;15034078;15161
				716;16957513;17039268;15
D005472	increase	FAS	ENSG00000026103	152939;16709241;1655759
				4;14665630;17982676;1558
				5135;17045692;15546879;1
				5016801;19015929;165962
D005472	increase	FBLN1	ENSG00000077942	15205334;17039268;
D005472	increase	FDXR	ENSG00000161513	17982676;16557594;15205
				334;14665630;15016801;
D005472	increase	FEN1	ENSG00000168496	15067352;15109396;
D005472	increase	FHL3	ENSG00000183386	17039268;
D005472	increase	FILIP1L	ENSG00000168386	15352031;
D005472	increase	FKBPL	ENSG00000223666	14503796;
D005472	increase	FOS	ENSG00000170345	15205334;17039268;
D005472	increase	FXYP3	ENSG00000089356	15152939;
D005472	increase	G0S2	ENSG00000123689	15352031;
				17982676;16709241;15205
D005472	increase	GADD45A	ENSG00000116717	334;19003803;19098008;15
				067352;15016801;
D005472	increase	GAMT	ENSG00000130005	15352031;16896004;15016
				801;
D005472	increase	GART	ENSG00000159131	19219653;
D005472	increase	GDF15	ENSG00000130513	15205334;15016801;

D005472	increase	GPR132	ENSG00000183484	16584549;
D005472	increase	GPR35	ENSG00000178623	15331170;
D005472	increase	GSTP1	ENSG00000084207	15205334;15213713;16622263;15737843;
D005472	increase	GSTT1	ENSG00000184674	16803524;15585135;
D005472	increase	HINT1	ENSG00000169567	16803524;15585135;
D005472	increase	HIST1H1D	ENSG00000124575	15585135;
D005472	increase	HIST1H2BK	ENSG00000197903	16101138;15352031;16217747;
D005472	increase	HLA-F	ENSG00000204642	16101138;
D005472	increase	HLA-G	ENSG00000237216	16101138;
D005472	increase	HNRNPC	ENSG00000092199	16803524;
D005472	increase	HRAS	ENSG00000174775	16557594;
D005472	increase	HSPA2	ENSG00000126803	16101138;16217747;
D005472	increase	HSPB8	ENSG00000152137	16557594;
D005472	increase	HSPE1	ENSG00000115541	15152939;
D005472	increase	HTATIP2	ENSG00000109854	16391804;
D005472	increase	HTRA1	ENSG00000166033	15352031;
D005472	increase	ID1	ENSG00000125968	16557594;
D005472	increase	ID2	ENSG00000115738	15352031;16557594;
D005472	increase	ID3	ENSG00000117318	15205334;16557594;
D005472	increase	IFI27L2	ENSG00000119632	16391804;
D005472	increase	IFI35	ENSG00000068079	16101138;
D005472	increase	IFI6	ENSG00000126709	17039268;15685448;
D005472	increase	IFIT1	ENSG00000185745	17039268;
D005472	increase	IFIT2	ENSG00000119922	16101138;
D005472	increase	IFITM1	ENSG00000185885	16101138;17039268;16510598;
D005472	increase	IFNA1	ENSG00000197919	17786339;15709199;17971768;17045692;17016659;16101138;16568373;
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D005472	increase	IFNAR2	ENSG00000159110	17088986;16101138;
D005472	increase	IFNG	ENSG00000111537	15162350;16101138;17711513;16568373;15301717;
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D005472	increase	INSIG1	ENSG00000186480	17039268;
D005472	increase	IRAK1	ENSG00000184216	15109396;15067352;
D005472	increase	IREB2	ENSG00000136381	16584549;
D005472	increase	IRF1	ENSG00000125347	15709199;
D005472	increase	IRF9	ENSG00000213928	16101138;
D005472	increase	ISG15	ENSG00000187608	16101138;16557594;
D005472	increase	JAG1	ENSG00000101384	16510598;
D005472	increase	JUNB	ENSG00000171223	16557594;18678097;
D005472	increase	JUN	ENSG00000177606	15205334;17355264;16557594;
D005472	increase	KHK	ENSG00000138030	15352031;
D005472	increase	KITLG	ENSG00000049130	19098008;
D005472	increase	KLF4	ENSG00000136826	17039268;16557594;
D005472	increase	KLHL24	ENSG00000114796	16510598;
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D005472	increase	MAF	ENSG00000178573	16557594;

D005472	increase	MALT1	ENSG00000172175	15109396;15067352;
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D005472	increase	MAP2	ENSG00000078018	16510598;
D005472	increase	MAPK13	ENSG00000156711	16803524;15585135;
D005472	increase	MAPKAP1	ENSG00000119487	16557594;
D005472	increase	MAST4	ENSG00000069020	16510598;
D005472	increase	MDM2	ENSG00000135679	15546879;14665630;16557594;17982676;19098008;
D005472	increase	MR1	ENSG00000153029	16101138;
D005472	increase	MT1E	ENSG00000169715	15352031;
D005472	increase	MT1M	ENSG00000205364	15352031;
D005472	increase	MVP	ENSG00000013364	15750632;
D005472	increase	MYBL2	ENSG00000101057	16557594;15548681;
D005472	increase	MYC	ENSG00000136997	16709241;16557594;16803524;15585135;18802399;17628013;
D005472	increase	MYO1E	ENSG00000157483	15331170;
D005472	increase	NBPF10	ENSG00000203832	16510598;
D005472	increase	NDUFA10	ENSG00000130414	16803524;15585135;15548681;
D005472	increase	NFIC	ENSG00000141905	16584549;
D005472	increase	NFKBIA	ENSG00000100906	16929163;16337965;16637064;
D005472	increase	NOV	ENSG00000136999	16510598;
D005472	increase	NRIP1	ENSG00000180530	16510598;16391804;
D005472	increase	NT5M	ENSG00000205309	19219653;
D005472	increase	NTN4	ENSG00000074527	17039268;
D005472	increase	OAS2	ENSG00000111335	16557594;
D005472	increase	OLFM1	ENSG00000130558	15352031;
D005472	increase	OPTN	ENSG00000123240	16101138;17039268;16217747;
D005472	increase	ORC6L	ENSG00000091651	16584549;
D005472	increase	PAICS	ENSG00000128050	19219653;
D005472	increase	PANK1	ENSG00000152782	16557594;
D005472	increase	PARP14	ENSG00000173193	17039268;
D005472	increase	PCNA	ENSG00000132646	18205257;16709241;16557594;
D005472	increase	PDAP1	ENSG00000106244	16709241;16803524;15585135;
D005472	increase	PDF	ENSG00000213380	16510598;
D005472	increase	PFN2	ENSG00000070087	15352031;15016801;
D005472	increase	PHLDA3	ENSG00000174307	16557594;
D005472	increase	PLAT	ENSG00000104368	16101138;
D005472	increase	PLEKHB1	ENSG00000021300	16510598;
D005472	increase	PLK1	ENSG00000166851	15016801;
D005472	increase	PLK2	ENSG00000145632	17982676;
D005472	increase	PLOD2	ENSG00000152952	16557594;15352031;
D005472	increase	PLRG1	ENSG00000171566	16391804;
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D005472	increase	PPFIBP1	ENSG00000110841	16510598;
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D005472	increase	PPP2CB	ENSG00000104695	16709241;
D005472	increase	PPP3CA	ENSG00000138814	16803524;15585135;18927307;16391804;
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D005472	increase	PRR13	ENSG00000205352	16391804;
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D005472	increase	PTGR1	ENSG00000106853	15585135;
				17918158;15205334;16340194;15846114;12414664;18695918;16322294;
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D005472	increase	PTTG1	ENSG00000164611	15109396;15067352;
D005472	increase	RAD23B	ENSG00000119318	15152939;
D005472	increase	RAF1	ENSG00000132155	16557594;
D005472	increase	RBM14	ENSG00000239306	16101138;
D005472	increase	RND2	ENSG00000108830	16407826;16080519;16270526;16596200;
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D005472	increase	RPRD1B	ENSG00000101413	18056458;16557594;15016801;
D005472	increase	RPS27L	ENSG00000185088	15152939;
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D005472	increase	S100A2	ENSG00000196754	16101138;
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D005472	increase	SCCPDH	ENSG00000143653	17982676;17039268;16217747;
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D005472	increase	SEMA3A	ENSG00000075213	17039268;
D005472	increase	SERPINA5	ENSG00000188488	16709241;
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D005472	increase	SLC3A2	ENSG00000168003	15331170;
D005472	increase	SMARCA1	ENSG00000102038	15352031;16217747;
D005472	increase	SMCHD1	ENSG00000101596	16510598;
D005472	increase	SMOX	ENSG00000088826	17987291;
D005472	increase	SMS	ENSG00000102172	15152939;15016801;
D005472	increase	SMURF1	ENSG00000198742	16557594;
D005472	increase	SNAP29	ENSG00000099940	16803524;
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D005472	increase	SOCS1	ENSG00000185338	16557594;
D005472	increase	SOX4	ENSG00000124766	16510598;
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D005472	increase	SPRY1	ENSG00000164056	17039268;
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D005472	increase	TNFRSF10B	ENSG00000120889	17982676;15585621;17922852;
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D005472	increase	UMPS	ENSG00000114491	16101138;
D005472	increase	UPP1	ENSG00000183696	
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D005472	increase	ZNF238	ENSG00000179456	16510598;
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D005480	increase	MAPK11	ENSG00000185386	18056468;
D005480	increase	MAPK14	ENSG00000112062	18056468;
D005480	increase	MAPKAPK2	ENSG00000162889	18056468;
D005480	increase	MAPKAPK3	ENSG00000114738	18056468;
D005480	increase	NGFR	ENSG00000064300	18056468;17447067;17409433;
D005485	decrease	AR	ENSG00000169083	16601080;15483189;16111029;17303007;16857237;9705896;10696776;12730620;15589981;11981028;16893599;16169144;9846162;119
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D005485	decrease	NKX3-1	ENSG00000167034	17303007;
D005485	decrease	TNFRSF11B	ENSG00000164761	17189957;
D005485	increase	GREB1	ENSG00000196208	16496412;
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D005485	increase	IGFBP2	ENSG00000115457	16368782;
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D005492	affect	ACTA2	ENSG00000107796	17320366;
D005492	affect	ACTC1	ENSG00000159251	17320366;
D005492	affect	AFAP1	ENSG00000196526	17320366;
D005492	affect	AK3L1	ENSG00000162433	17320366;

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D005492	affect	ANXA13	ENSG00000104537	17868486;
D005492	affect	ARHGAP29	ENSG00000137962	17320366;
D005492	affect	ARL4C	ENSG00000188042	17320366;
D005492	affect	ATF6B	ENSG00000228628	17320366;
D005492	affect	ATM	ENSG00000149311	16361273;
D005492	affect	B2M	ENSG00000166710	17868486;
D005492	affect	BAX	ENSG00000087088	16361273;
D005492	affect	BCL2	ENSG00000171791	16611376;
D005492	affect	BCL2L11	ENSG00000153094	16361273;
D005492	affect	BFAR	ENSG00000103429	16361273;
D005492	affect	BIRC3	ENSG00000023445	16361273;
D005492	affect	BNIP3	ENSG00000176171	17320366;
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D005492	affect	C5ORF13	ENSG00000134986	17320366;
D005492	affect	CASP4	ENSG00000196954	16361273;
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D005492	affect	CASP8	ENSG00000064012	16361273;
D005492	affect	CCND1	ENSG00000110092	16361273;
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D005492	affect	CCRL1	ENSG00000129048	17320366;
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D005492	affect	CDKN1B	ENSG00000111276	16361273;
D005492	affect	CHEK1	ENSG00000149554	16361273;
D005492	affect	CIDEB	ENSG00000136305	16361273;
D005492	affect	CNTF	ENSG00000242689	16898872;
D005492	affect	CTNNB1	ENSG00000168036	16361273;
D005492	affect	CTSC	ENSG00000109861	17320366;
D005492	affect	CXCR7	ENSG00000144476	17320366;
D005492	affect	DEK	ENSG00000124795	17320366;
D005492	affect	DHFR	ENSG00000228716	17311948;
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D005492	affect	DNMT3B	ENSG00000088305	17311948;
D005492	affect	DPT	ENSG00000143196	17320366;
D005492	affect	EDN2	ENSG00000127129	16898872;
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D005492	affect	FAS	ENSG00000026103	16611376;
D005492	affect	FHL1	ENSG00000022267	17320366;
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D005492	affect	GDF15	ENSG00000130513	16898872;
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D005492	affect	GGH	ENSG00000137563	17311948;
D005492	affect	GJA1	ENSG00000152661	17320366;
D005492	affect	GUK1	ENSG00000143774	16898872;
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D005492	affect	HSPB7	ENSG00000173641	17320366;
D005492	affect	ID1	ENSG00000125968	17320366;
D005492	affect	IFITM1	ENSG00000185885	16898872;
D005492	affect	IGFBP5	ENSG00000115461	17320366;
D005492	affect	IL2	ENSG00000109471	16611376;

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D005492	affect	ITGA4	ENSG00000115232	17320366;
D005492	affect	ITGA5	ENSG00000161638	16361273;
D005492	affect	ITGA6	ENSG00000091409	16361273;
D005492	affect	ITGB1	ENSG00000150093	16361273;
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D005492	affect	KNTC1	ENSG00000184445	17320366;
D005492	affect	MALL	ENSG00000144063	17320366;
D005492	affect	MAP1B	ENSG00000131711	17320366;
D005492	affect	MBD2	ENSG00000134046	17311948;
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D005492	affect	MICA	ENSG00000183214	16361273;
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D005492	affect	MME	ENSG00000196549	17320366;
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D005492	affect	MTHFR	ENSG00000177000	185;16690736;16621645;16
				646054;17301267;
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D005492	affect	MUC1	ENSG00000185499	17320366;
D005492	affect	MYO10	ENSG00000145555	17320366;
D005492	affect	NCAM1	ENSG00000149294	16361273;
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D005492	affect	NFKBIA	ENSG00000100906	16361273;16845898;
D005492	affect	NME4	ENSG00000103202	16361273;
D005492	affect	NOTCH4	ENSG00000204301	16898872;
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D005492	affect	PLAU	ENSG00000122861	16361273;
D005492	affect	PLAUR	ENSG00000011422	16361273;
D005492	affect	PODXL	ENSG00000128567	17320366;
D005492	affect	PRKDC	ENSG00000121031	16361273;
D005492	affect	PRR16	ENSG00000184838	17320366;
D005492	affect	PTK6	ENSG00000101213	17320366;
D005492	affect	RAF1	ENSG00000132155	16361273;
D005492	affect	RASA1	ENSG00000145715	16361273;
D005492	affect	RECK	ENSG00000122707	17320366;
D005492	affect	RHOC	ENSG00000155366	16898872;
D005492	affect	RPA3	ENSG00000106399	16361273;
D005492	affect	RPS5	ENSG00000083845	16898872;
D005492	affect	S100A10	ENSG00000197747	17320366;
D005492	affect	S100A4	ENSG00000196154	16361273;
D005492	affect	SERPINB2	ENSG00000197632	16361273;

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D005492	affect	SLC7A7	ENSG00000155465	17868486;
D005492	affect	TAGLN	ENSG00000149591	17320366;
D005492	affect	TM4SF1	ENSG00000169908	17320366;
D005492	affect	TNFRSF10B	ENSG00000120889	16361273;
D005492	affect	TNFRSF14	ENSG00000157873	16361273;
D005492	affect	TP53	ENSG00000141510	16611376;16361273;
D005492	affect	TRAF1	ENSG00000056558	16361273;
D005492	affect	TRAF4	ENSG00000076604	16361273;
D005492	affect	TRAF6	ENSG00000175104	16361273;
D005492	affect	TRAIP	ENSG00000183763	16361273;
D005492	affect	TUBA1A	ENSG00000167552	16898872;
D005492	affect	TYMS	ENSG00000176890	17320366;17311948;
D005492	affect	USP53	ENSG00000145390	17320366;
D005492	affect	VEGFA	ENSG00000112715	16361273;
D005492	affect	VGLL3	ENSG00000206538	17320366;
D005492	affect	WISP1	ENSG00000104415	17320366;
D005492	affect	WNT5A	ENSG00000114251	17320366;
D005492	affect	ZNF219	ENSG00000165804	17320366;
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D005492	decrease	CDH13	ENSG00000140945	11723236;
D005492	decrease	CDH1	ENSG00000039068	17868486;
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D005492	decrease	FOLR2	ENSG00000165457	16740727;17616776;
D005492	decrease	GPT	ENSG00000167701	16877991;
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D005492	increase	APOB	ENSG00000084674	17868486;17237316;
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D005492	increase	CCL2	ENSG00000108691	16845898;16491109;16634837;
D005492	increase	CDH3	ENSG00000062038	17868486;
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D005492	increase	SOX4	ENSG00000124766	17868486;

D005492	increase	SPINK1	ENSG00000164266	17868486;
D005492	increase	TXNIP	ENSG00000117289	11723236;
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D005557	increase	IFNG	ENSG00000111537	18082304;
D005557	increase	IL10	ENSG00000136634	18082304;
D005557	increase	IL1A	ENSG00000115008	18082304;
D005557	increase	IL1B	ENSG00000125538	18082304;
D005557	increase	IL2	ENSG00000109471	18082304;
D005557	increase	IL6	ENSG00000136244	18082304;16860297;
D005557	increase	IL8	ENSG00000169429	16860297;
D005557	increase	TP53	ENSG00000141510	15715472;
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D005576	decrease	ADAMTS1	ENSG00000154734	15313392;15967414;
D005576	decrease	APPBP2	ENSG00000062725	16751804;
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D005576	decrease	MAF	ENSG00000178573	16751804;
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D005576	increase	BDNF	ENSG00000176697	19189864;
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D005576	increase	REN	ENSG00000143839	9256163;
D005576	increase	RRP12	ENSG00000052749	16751804;
D005576	increase	SELE	ENSG00000007908	8780174;
D005576	increase	SFTPC	ENSG00000168484	2539393;
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D005632	decrease	HNF4A	ENSG00000101076	17992261;
D005632	decrease	MYC	ENSG00000136997	2558650;
D005632	decrease	NOS3	ENSG00000164867	18508964;
D005632	decrease	PPARGC1A	ENSG00000109819	18063403;
D005632	decrease	SHBG	ENSG00000129214	17992261;
D005632	decrease	SLC2A4	ENSG00000181856	18063403;
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D005632	increase	ICAM1	ENSG00000090339	18508964;
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D005632	increase	SLC2A5	ENSG00000142583	1634504;12820898;8554516;17710649;16960373;
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D005707	increase	LDLR	ENSG00000130164	12612140;
D005707	increase	MMP7	ENSG00000137673	17928719;
D005707	increase	SULT1A1	ENSG00000196502	16308312;
D005839	affect	MUT	ENSG00000146085	19427250;
D005905	increase	CYP1A1	ENSG00000140465	10799337;
D005912	increase	BIRC3	ENSG00000023445	14527959;
D005912	increase	IL8	ENSG00000169429	11527995;
D005938	decrease	BCL2	ENSG00000171791	15748212;
D005938	decrease	IL5	ENSG00000113525	15113433;15835818;
D005938	decrease	IL7R	ENSG00000168685	15748212;
D005938	increase	CDKN1A	ENSG00000124762	15034294;
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D005938	increase	CDKN2A	ENSG00000147889	15034294;
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D005938	increase	IL10	ENSG00000136634	16384973;
D005938	increase	MT2A	ENSG00000125148	11878821;
D005944	decrease	BCL2L1	ENSG00000171552	15972124;
D005944	increase	ACAN	ENSG00000157766	18321735;
D005944	increase	COL1A1	ENSG00000108821	18321735;
D005944	increase	COL2A1	ENSG00000139219	18321735;
D005944	increase	IL1B	ENSG00000125538	18321735;
D005947	affect	ASNS	ENSG00000070669	17409444;
D005947	affect	MYC	ENSG00000136997	2558650;
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D005947	decrease	HSPD1	ENSG00000144381	17855661;
D005947	decrease	NFKBIA	ENSG00000100906	19557821;
D005947	decrease	NOS1	ENSG00000089250	17855661;
D005947	decrease	NOS3	ENSG00000164867	17855661;
D005947	decrease	PPARA	ENSG00000186951	16600694;
D005947	decrease	PPARGC1A	ENSG00000109819	17855661;
D005947	decrease	SHBG	ENSG00000129214	17992261;
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D005947	increase	ARNT	ENSG00000143437	15767253;
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D005947	increase	FOS	ENSG00000170345	18180316;
D005947	increase	G6PC	ENSG00000131482	15767253;
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D005947	increase	INSR	ENSG00000171105	7826318;

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D005947	increase	NFKB1	ENSG00000109320	18180316;
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D005947	increase	RELA	ENSG00000173039	16600694;19557821;12388107;
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D005947	increase	TNF	ENSG00000223952	19557821;
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D005978	decrease	PROCR	ENSG00000101000	17172434;
D005978	increase	BCL2	ENSG00000171791	17640567;
D005978	increase	BCL2L1	ENSG00000171552	17640567;
D005978	increase	BIRC2	ENSG00000110330	17640567;
D005978	increase	CCND1	ENSG00000110092	17640567;
D005978	increase	DDIT3	ENSG00000175197	17171638;
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D005978	increase	HIF1A	ENSG00000100644	16678800;17658243;
D005978	increase	IL6	ENSG00000136244	15379216;
D005978	increase	IL8	ENSG00000169429	15379216;12208513;
D005978	increase	ITGAM	ENSG00000169896	16357311;
D005978	increase	MMP9	ENSG00000100985	17015178;17640567;
D005978	increase	NOS2	ENSG00000007171	17640567;
D005978	increase	PTGS2	ENSG00000073756	17640567;
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D005990	decrease	MYC	ENSG00000136997	2558650;
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D005996	affect	CALCA	ENSG00000110680	14659530;
D005996	decrease	EDN1	ENSG00000078401	12206003;
D005996	decrease	NOS2	ENSG00000007171	12206003;
D005996	increase	FAS	ENSG00000026103	12105852;
D005996	increase	GUCY1B3	ENSG00000061918	11742226;
D005996	increase	HMOX1	ENSG00000100292	17470570;
D005996	increase	IL6	ENSG00000136244	17470570;
D005996	increase	IL8	ENSG00000169429	17470570;
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D005996	increase	MMP7	ENSG00000137673	12084592;
D005996	increase	MMP9	ENSG00000100985	12084592;
D006063	increase	AFP	ENSG00000081051	18497072;
D006072	decrease	CCL2	ENSG00000108691	19825521;
D006072	decrease	CXCL1	ENSG00000163739	19825521;
D006072	decrease	EPHB4	ENSG00000196411	19825521;
D006072	decrease	FGF2	ENSG00000138685	19825521;
D006072	decrease	FGFR3	ENSG00000068078	19825521;
D006072	decrease	ID1	ENSG00000125968	19825521;
D006072	decrease	LAMA5	ENSG00000130702	19825521;
D006072	decrease	MDK	ENSG00000110492	19825521;
D006072	decrease	PDGFA	ENSG00000197461	19825521;
D006072	increase	TYMP	ENSG00000025708	19825521;
D006096	decrease	KCNH2	ENSG00000055118	19139152;
D006096	decrease	MAPT	ENSG00000186868	16930453;
D006160	increase	GYPA	ENSG00000170180	17002868;
D006220	decrease	ABCB1	ENSG00000085563	15946544;
D006220	decrease	ABCC1	ENSG00000103222	15946544;

D006220	decrease	GSTP1	ENSG00000084207	15946544;
D006221	increase	CYB5A	ENSG00000166347	3689822;
D006241	increase	IL1B	ENSG00000125538	9714973;
D006241	increase	TNF	ENSG00000223952	9714973;
D006388	decrease	IL10	ENSG00000136634	17185614;
D006388	increase	IL2	ENSG00000109471	17185614;
D006388	increase	IL4	ENSG00000113520	17185614;
D006418	increase	ABCB6	ENSG00000115657	17006453;
D006418	increase	HMOX1	ENSG00000100292	17156779;
D006418	increase	SLC46A1	ENSG00000076351	17156779;
D006427	decrease	TFRC	ENSG00000072274	16760464;
D006427	increase	ARL6IP5	ENSG00000144746	16430862;
D006427	increase	BIRC2	ENSG00000110330	14647439;
D006427	increase	CDKN1A	ENSG00000124762	14647439;
D006427	increase	GSTP1	ENSG00000084207	15313425;
D006427	increase	HMOX1	ENSG00000100292	15589375;17464175;18357586;8764571;17420286;16959797;14647439;
D006533	decrease	GJA1	ENSG00000152661	8738476;
D006533	decrease	HRAS	ENSG00000174775	1771636;
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D006533	decrease	MAP3K1	ENSG00000095015	9704902;
D006533	decrease	MAPK1	ENSG00000100030	9704902;15888667;
D006533	decrease	MAPK3	ENSG00000102882	9704902;15888667;
D006533	decrease	RB1	ENSG00000139687	10048758;
D006533	decrease	TP53	ENSG00000141510	9544696;
D006534	decrease	GJA1	ENSG00000152661	8738476;
D006534	increase	PGR	ENSG00000082175	16242299;
D006534	increase	TFF1	ENSG00000160182	16242299;
D006569	increase	MMP9	ENSG00000100985	19110045;
D006569	increase	PTGS2	ENSG00000073756	19110045;
D006581	decrease	IFNG	ENSG00000111537	15319175;11266329;
D006581	decrease	IL10	ENSG00000136634	15319175;
D006581	decrease	IL5	ENSG00000113525	15319175;
D006582	decrease	CCND1	ENSG00000110092	16735606;
D006582	decrease	MYC	ENSG00000136997	16735606;
D006582	increase	CTNNB1	ENSG00000168036	16735606;
D006582	increase	SIAH1	ENSG00000196470	16735606;
D006582	increase	WNT3A	ENSG00000154342	16735606;
D006586	increase	CCL5	ENSG00000161570	11306435;
D006586	increase	CSF2	ENSG00000164400	11306435;
D006586	increase	IL8	ENSG00000169429	11306435;
D006588	decrease	CCND1	ENSG00000110092	14757120;
D006588	decrease	CCND3	ENSG00000112576	14757120;
D006588	decrease	CCNE1	ENSG00000105173	14757120;
D006588	decrease	RB1	ENSG00000139687	14757120;
D006588	increase	CCNG2	ENSG00000138764	14757120;
D006632	affect	CD14	ENSG00000170458	14499251;
D006632	affect	HRH3	ENSG00000101180	14499251;12706455;
D006632	affect	IL10	ENSG00000136634	9819373;
D006632	decrease	CD40	ENSG00000101017	11306145;
D006632	decrease	HRH4	ENSG00000134489	14499251;11181941;15843518;
D006632	decrease	PTPRC	ENSG00000081237	11306145;

D006632	increase	CSF2	ENSG00000164400	9856766;
D006632	increase	FOS	ENSG00000170345	9187264;
D006632	increase	GUSB	ENSG00000169919	11238657;
				2419744;12147327;144992
D006632	increase	HRH1	ENSG00000196639	51;11238657;11527950;11306145;
				9681472;12235264;158435
D006632	increase	HRH2	ENSG00000113749	18;9187264;14499251;11238657;10569698;9819373;11
D006632	increase	IFNG	ENSG00000111537	10569698;
D006632	increase	IL12A	ENSG00000168811	15843518;9819373;
D006632	increase	IL12B	ENSG00000113302	15843518;9819373;
D006632	increase	IL16	ENSG00000172349	12235264;
D006632	increase	IL6	ENSG00000136244	11238657;9856766;
D006632	increase	MMP1	ENSG00000196611	9856766;
D006632	increase	PDE4B	ENSG00000184588	11131300;
D006632	increase	TNF	ENSG00000223952	14499251;
D006710	affect	EDN1	ENSG00000078401	16757814;
D006710	decrease	BCL2	ENSG00000171791	16757814;
D006710	decrease	CCNA1	ENSG00000133101	17698632;
D006710	decrease	EPHB6	ENSG00000106123	17320366;
D006710	decrease	HDAC1	ENSG00000116478	18310117;
D006710	decrease	MECP2	ENSG00000169057	18310117;17698632;
D006710	decrease	NOS3	ENSG00000164867	16757814;
D006710	decrease	SOD3	ENSG00000109610	18310117;
D006710	decrease	WISP1	ENSG00000104415	17320366;
D006710	decrease	WNT5A	ENSG00000114251	17320366;
D006710	increase	BAX	ENSG00000087088	16757814;
D006710	increase	CCL2	ENSG00000108691	16845898;11356643;
D006710	increase	CCL5	ENSG00000161570	16225753;
D006710	increase	DNMT1	ENSG00000130816	17698632;18310117;
D006710	increase	MMP9	ENSG00000100985	16251475;
				16845898;17586618;11356643;
D006710	increase	NFKBIA	ENSG00000100906	
D006710	increase	VCAM1	ENSG00000162692	17586618;
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D006820	decrease	NR1D1	ENSG00000126368	17075855;
D006820	increase	HAS2	ENSG00000170961	11318944;
D006820	increase	IL1B	ENSG00000125538	11318944;
D006820	increase	IRAK3	ENSG00000090376	15728517;
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D006830	decrease	AGPAT2	ENSG00000169692	17183730;
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D006830	decrease	HBZ	ENSG00000130656	17183730;
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D006830	decrease	IL3	ENSG00000164399	17183730;
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D006830	increase	ARIH2	ENSG00000177479	17183730;
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D006830	increase	C20ORF108	ENSG00000124098	17183730;
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D006830	increase	CREB5	ENSG00000146592	17183730;
D006830	increase	CRYBA4	ENSG00000196431	17183730;
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D006830	increase	DBI	ENSG00000155368	17183730;
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D006830	increase	DCLRE1C	ENSG00000152457	17183730;
D006830	increase	DCP1A	ENSG00000162290	17183730;
D006830	increase	DDT	ENSG00000099977	17183730;
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D006830	increase	DRD4	ENSG00000069696	17183730;
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D006830	increase	EDDM3A	ENSG00000181562	17183730;
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D006830	increase	EFHB	ENSG00000163576	17183730;
D006830	increase	EFHD2	ENSG00000142634	17183730;
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D006830	increase	RPS6KA5	ENSG00000100784	17183730;
D006830	increase	RPS9	ENSG00000170889	17183730;
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D006830	increase	RWDD1	ENSG00000111832	17183730;
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D006830	increase	SAMD4A	ENSG00000020577	17183730;
D006830	increase	SAMM50	ENSG00000100347	17183730;
D006830	increase	SCAP	ENSG00000114650	17183730;

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D006830	increase	SCRN2	ENSG00000141295	17183730;
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D006830	increase	SEC11C	ENSG00000166562	17183730;
D006830	increase	SEC31A	ENSG00000138674	17183730;
D006830	increase	SEMA4A	ENSG00000196189	17183730;
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D006830	increase	SERP2	ENSG00000151778	17183730;
D006830	increase	SERPING1	ENSG00000149131	17183730;
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D006830	increase	SUFU	ENSG00000107882	17183730;
D006830	increase	SUMO3	ENSG00000184900	17183730;
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D006830	increase	TBX18	ENSG00000112837	17183730;
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D006843	increase	CYP11B2	ENSG00000179142	16650473;
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D006854	increase	TGM1	ENSG00000092295	11485391;
D006854	increase	TLR2	ENSG00000137462	17033190;
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D006861	decrease	ADCY3	ENSG00000138031	12414654;
D006861	decrease	ADORA1	ENSG00000163485	12419474;
D006861	decrease	AMPH	ENSG00000078053	12419474;
D006861	decrease	APC	ENSG00000134982	12419474;
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D006861	decrease	ATF4	ENSG00000128272	12419474;
D006861	decrease	AURKB	ENSG00000178999	12414654;
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D006861	decrease	BMP4	ENSG00000125378	12419474;
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D006861	decrease	CAPN2	ENSG00000162909	12419474;
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D006861	decrease	CASK	ENSG00000147044	12419474;
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D006861	decrease	CRHR1	ENSG00000120088	12419474;
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D006861	decrease	ITGA3	ENSG00000005884	12419474;
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				10601;15090542;15322087;
				16007145;
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D006861	decrease	PDYN	ENSG00000101327	12419474;
D006861	decrease	PFDN4	ENSG00000101132	12419474;
D006861	decrease	PHB	ENSG00000167085	12419474;
D006861	decrease	PIK3R2	ENSG00000105647	12419474;
D006861	decrease	PLK1	ENSG00000166851	12414654;
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D006861	decrease	SOX18	ENSG00000203883	15761015;
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D006861	decrease	SST	ENSG00000157005	12414654;
D006861	decrease	STAB1	ENSG00000010327	15761015;
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D006861	decrease	TSC2	ENSG00000103197	12419474;
D006861	decrease	TUBA1A	ENSG00000167552	12414654;
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D006861	decrease	UBE2A	ENSG00000077721	12419474;
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D006861	decrease	UNG	ENSG00000076248	12414654;
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D006861	increase	FAS	ENSG00000026103	12414654;
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D006861	increase	FDPS	ENSG00000160752	18032389;
D006861	increase	FDXR	ENSG00000161513	12414654;
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D006861	increase	HMOX1	ENSG00000100292	18687144;10218639;12414654;
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D006861	increase	IL8	ENSG00000169429	9707512;18687144;122078
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D006861	increase	MT1H	ENSG00000205358	12414654;
D006861	increase	MT1X	ENSG00000187193	12414654;
D006861	increase	MT2A	ENSG00000125148	12414654;
D006861	increase	MYC	ENSG00000136997	15761015;12419474;
D006861	increase	NDUFB8	ENSG00000166136	18603805;
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D006861	increase	PDIA3	ENSG00000167004	18603805;
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D006861	increase	PPM1D	ENSG00000170836	12414654;
D006861	increase	PPP1R15A	ENSG00000087074	18687144;
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D006861	increase	SLAMF1	ENSG00000117090	12414654;
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D006861	increase	TOM1	ENSG00000100284	12414654;
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D006886	increase	IL8	ENSG00000169429	15139008;
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D006918	decrease	CDCA8	ENSG00000134690	17374387;

D006918	decrease	CKS2	ENSG00000123975	17374387;
D006918	decrease	EDN3	ENSG00000124205	15020278;
D006918	decrease	KPNA2	ENSG00000182481	17374387;
D006918	decrease	PRC1	ENSG00000198901	17374387;
D006918	decrease	PSRC1	ENSG00000134222	17374387;
D006918	decrease	UBE2C	ENSG00000175063	17374387;
D006918	increase	BAX	ENSG00000087088	16005713;
D006918	increase	CCNA2	ENSG00000145386	11468187;
D006918	increase	CCNB1	ENSG00000134057	11468187;
D006918	increase	CCND1	ENSG00000110092	11468187;
D006918	increase	CCND2	ENSG00000118971	11468187;
D006918	increase	CCND3	ENSG00000112576	11468187;
D006918	increase	CCNE1	ENSG00000105173	11468187;
D006918	increase	CCNG1	ENSG00000113328	16005713;
D006918	increase	CDKN1A	ENSG00000124762	16005713;
D006918	increase	FAS	ENSG00000026103	16005713;
D006918	increase	MECOM	ENSG00000085276	16532439;
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D006918	increase	TP53	ENSG00000141510	16005713;
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D007052	affect	ANXA2	ENSG00000182718	18351690;
D007052	affect	ANXA3	ENSG00000138772	17070997;
D007052	affect	C3	ENSG00000125730	17070997;
D007052	affect	CACNA2D3	ENSG00000157445	17070997;
D007052	affect	CDH3	ENSG00000062038	17070997;
D007052	affect	CDSN	ENSG00000204539	17070997;
D007052	affect	CEACAM1	ENSG00000079385	17070997;
D007052	affect	CLU	ENSG00000120885	17070997;
D007052	affect	COL11A1	ENSG00000060718	17070997;
D007052	affect	CX3CL1	ENSG00000006210	17070997;
D007052	affect	DDX1	ENSG00000079785	18351690;
D007052	affect	DSC1	ENSG00000134765	17070997;
D007052	affect	ENO1	ENSG00000074800	18351690;
D007052	affect	EPHB6	ENSG00000106123	17070997;
D007052	affect	FRZB	ENSG00000162998	17070997;
D007052	affect	HPGD	ENSG00000164120	17070997;
D007052	affect	ITGBL1	ENSG00000198542	17070997;
D007052	affect	LDHB	ENSG00000111716	18351690;
D007052	affect	LGALS1	ENSG00000100097	18351690;
D007052	affect	MAPRE2	ENSG00000166974	17070997;
D007052	affect	NOS1	ENSG00000089250	17070997;
D007052	affect	NQO1	ENSG00000181019	17070997;
D007052	affect	PLA2G2A	ENSG00000188257	17070997;
D007052	affect	PML	ENSG00000140464	17070997;
D007052	affect	PPIA	ENSG00000196262	18351690;
D007052	affect	PRDX6	ENSG00000117592	18351690;
D007052	affect	PTGER3	ENSG00000050628	17070997;
D007052	affect	RAN	ENSG00000132341	18351690;
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D007052	decrease	FASN	ENSG00000169710	18351690;
D007052	decrease	HIF1A	ENSG00000100644	12912967;
D007052	decrease	INSM1	ENSG00000173404	17070997;
D007052	decrease	LTBR	ENSG00000111321	17070997;
D007052	decrease	LY9	ENSG00000122224	17070997;
D007052	decrease	P2RY2	ENSG00000175591	10496880;
D007052	decrease	PYY	ENSG00000131096	17070997;
D007052	decrease	SLC2A1	ENSG00000117394	12912967;
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D007052	increase	BACE1	ENSG00000186318	14586007;
D007052	increase	BCL2L1	ENSG00000171552	18348186;
D007052	increase	CCL2	ENSG00000108691	11230753;17070997;
D007052	increase	CCND1	ENSG00000110092	15489888;
D007052	increase	CD36	ENSG00000135218	12664607;
D007052	increase	CXCL10	ENSG00000169245	19020770;
D007052	increase	EGF	ENSG00000138798	16340751;
D007052	increase	ELAVL1	ENSG00000066044	18056468;
D007052	increase	F3	ENSG00000117525	17070997;
D007052	increase	FOSB	ENSG00000125740	17070997;
D007052	increase	GCLC	ENSG00000001084	11909699;
D007052	increase	GCLM	ENSG00000023909	11909699;
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D007052	increase	HSPA1A	ENSG00000232804	16239242;
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D007052	increase	IFNG	ENSG00000111537	14586007;
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D007052	increase	IL6	ENSG00000136244	17070997;
D007052	increase	MAL	ENSG00000172005	17070997;
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D007052	increase	MMP3	ENSG00000149968	16580899;
D007052	increase	MMP9	ENSG00000100985	16340751;
D007052	increase	MTA2	ENSG00000149480	17070997;
D007052	increase	NGFR	ENSG00000064300	18056468;17447067;17409433;
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D007052	increase	SOD2	ENSG00000112096	17070997;
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D007099	decrease	TAGLN	ENSG00000149591	17567588;15342952;
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				916776;15581599;1836072
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D007213	decrease	AKT1	ENSG00000142208	17654042;17341418;
D007213	decrease	ALS2CR4	ENSG00000155755	16984733;
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D007213	decrease	ANKRD13C	ENSG00000118454	16984733;
D007213	decrease	ARID1A	ENSG00000117713	16984733;
D007213	decrease	ARID5B	ENSG00000150347	16984733;
D007213	decrease	ATP8B1	ENSG00000081923	16984733;
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D007213	decrease	C12ORF35	ENSG00000174718	16984733;

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D007213	decrease	COL1A1	ENSG00000108821	8971655;
D007213	decrease	CPSF6	ENSG00000111605	16984733;
D007213	decrease	CREBL2	ENSG00000111269	16984733;
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D007213	decrease	EFR3A	ENSG00000132294	16984733;
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D007213	decrease	F3	ENSG00000117525	20200314;
D007213	decrease	FBXW2	ENSG00000119402	16984733;
D007213	decrease	FZD7	ENSG00000155760	16984733;
D007213	decrease	GBP1	ENSG00000117228	16984733;
D007213	decrease	GLS	ENSG00000115419	16984733;
D007213	decrease	GLUL	ENSG00000135821	17401462;
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D007213	decrease	PCNA	ENSG00000132646	17054584;
D007213	decrease	PJA2	ENSG00000198961	16984733;
D007213	decrease	PKP4	ENSG00000144283	16984733;
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D007213	decrease	PPP4R2	ENSG00000163605	16984733;
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D007213	decrease	PRPF4B	ENSG00000112739	16984733;
D007213	decrease	PTGER2	ENSG00000125384	17555711;

D007213	decrease	PTPN12	ENSG00000127947	16984733;
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D007213	decrease	RAPH1	ENSG00000173166	16984733;
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D007213	decrease	TGS1	ENSG00000137574	16984733;
D007213	decrease	THBD	ENSG00000178726	16984733;
D007213	decrease	TMEFF2	ENSG00000144339	16984733;
D007213	decrease	TMTC1	ENSG00000133687	16984733;
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D007213	decrease	TPD52L1	ENSG00000111907	16984733;
D007213	decrease	TROVE2	ENSG00000116747	16984733;
D007213	decrease	TUBGCP3	ENSG00000126216	16984733;
D007213	decrease	TXN	ENSG00000136810	17654042;
D007213	decrease	TXNIP	ENSG00000117289	16984733;
D007213	decrease	UBLCP1	ENSG00000164332	16984733;
D007213	decrease	UBR5	ENSG00000104517	16984733;
D007213	decrease	UGCG	ENSG00000148154	16984733;
D007213	decrease	UGT3A1	ENSG00000145626	16984733;
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D007213	decrease	WISP1	ENSG00000104415	17054584;
D007213	decrease	YOD1	ENSG00000180667	16984733;
D007213	decrease	YTHDF2	ENSG00000198492	16984733;
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D007213	decrease	YWHAE	ENSG00000108953	18678619;17409426;
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D007213	decrease	ZBTB44	ENSG00000196323	16984733;
D007213	decrease	ZC3H13	ENSG00000123200	16984733;
D007213	decrease	ZNF148	ENSG00000163848	16984733;
D007213	decrease	ZNF238	ENSG00000179456	16984733;
D007213	decrease	ZNF398	ENSG00000197024	16984733;
D007213	decrease	ZNHIT6	ENSG00000117174	16984733;
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D007213	increase	ACRBP	ENSG00000111644	16984733;

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D007213	increase	AMIGO2	ENSG00000139211	16984733;
D007213	increase	ANGPTL4	ENSG00000167772	16984733;
D007213	increase	ANXA5	ENSG00000164111	18678619;
D007213	increase	APC	ENSG00000134982	15963497;
D007213	increase	APP	ENSG00000142192	11700559;16111494;14586007;
D007213	increase	ARL4C	ENSG00000188042	16984733;
D007213	increase	ARRDC3	ENSG00000113369	16984733;
D007213	increase	ASNS	ENSG00000070669	17401462;
D007213	increase	ATP5I	ENSG00000169020	16984733;
D007213	increase	BACE1	ENSG00000186318	14586007;
D007213	increase	BAX	ENSG00000087088	11062132;11005569;
D007213	increase	BIRC3	ENSG00000023445	17873517;16984733;
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D007213	increase	C6ORF52	ENSG00000137434	16984733;
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D007213	increase	CBS	ENSG00000160200	17401462;
D007213	increase	CCDC50	ENSG00000152492	16984733;
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D007213	increase	CTH	ENSG00000116761	17401462;
D007213	increase	DDIT3	ENSG00000175197	17341418;
D007213	increase	DNAJC4	ENSG00000110011	16984733;
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D007213	increase	LTA	ENSG00000226979	17873517;
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D007213	increase	NME1	ENSG00000239672	12192599;
D007213	increase	NR4A1	ENSG00000123358	10919358;
D007213	increase	NT5E	ENSG00000135318	17568578;
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D007213	increase	PLAU	ENSG00000122861	16984733;
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D007213	increase	PSPH	ENSG00000146733	17401462;
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D007213	increase	SNAI2	ENSG00000019549	16984733;
D007213	increase	SOX18	ENSG00000203883	16984733;
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D007213	increase	TRIB3	ENSG00000101255	17401462;
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D007213	increase	UCP2	ENSG00000175567	16984733;
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D007213	increase	ZC3HAV1L	ENSG00000146858	16984733;
D007213	increase	ZEB1	ENSG00000148516	16984733;
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D007306	increase	TRIM21	ENSG00000132109	9833039;
D007455	increase	CLDN5	ENSG00000184113	16514648;
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D007464	increase	EPO	ENSG00000130427	16973622;
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D007464	increase	MMP2	ENSG00000087245	16648635;
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D007464	increase	VEGFA	ENSG00000112715	16973622;
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D007501	decrease	IL6	ENSG00000136244	16460831;
D007501	decrease	PON1	ENSG00000005421	16052486;
D007501	increase	CALR	ENSG00000179218	11500943;
D007501	increase	CYP2A6	ENSG00000198077	11927840;
D007501	increase	EPAS1	ENSG00000116016	17973296;
D007501	increase	HIF1A	ENSG00000100644	16877034;17973296;19729006;17364964;
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D007529	affect	AOX1	ENSG00000138356	16365062;
D007529	affect	APOBEC3G	ENSG00000239713	16365062;
D007529	affect	ARHGEF1	ENSG00000076928	16365062;
D007529	affect	COL13A1	ENSG00000197467	16365062;
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D007529	affect	DPP4	ENSG00000197635	16365062;
D007529	affect	F12	ENSG00000131187	16365062;
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D007529	affect	HIST1H2AB	ENSG00000168274	16365062;
D007529	affect	HIST1H3D	ENSG00000197153	16365062;
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D007529	affect	HIST2H2AA	ENSG00000203812	16365062;
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D007529	affect	HPGD	ENSG00000164120	16365062;
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D007529	affect	LIF	ENSG00000128342	16365062;
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D007529	affect	NOX5	ENSG00000137808	16365062;
D007529	affect	NPC2	ENSG00000119655	16365062;
D007529	affect	NTSR1	ENSG00000101188	16365062;
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D007529	affect	PPAP2B	ENSG00000162407	16365062;
D007529	affect	PTX3	ENSG00000163661	16365062;
D007529	affect	PXN	ENSG00000089159	16365062;
D007529	affect	SPARC	ENSG00000113140	16365062;
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D007529	decrease	BTG1	ENSG00000133639	17374662;
D007529	decrease	CAMKK2	ENSG00000110931	17374662;
D007529	decrease	CCNB2	ENSG00000157456	17374662;
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D007529	decrease	DHFR	ENSG00000228716	17374662;
D007529	decrease	DUSP4	ENSG00000120875	17374662;
D007529	decrease	EIF3C	ENSG00000184110	17374662;
D007529	decrease	ENDOD1	ENSG00000149218	17374662;
D007529	decrease	ENDOG	ENSG00000167136	17374662;
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D007529	decrease	FST	ENSG00000134363	16365062;
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D007529	decrease	HEBP2	ENSG00000051620	17374662;

D007529	decrease	IL8	ENSG00000169429	16365062;
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D007529	decrease	IQGAP2	ENSG00000145703	17374662;
D007529	decrease	KIF2C	ENSG00000142945	17374662;
D007529	decrease	KIF4A	ENSG00000090889	17374662;
D007529	decrease	KLK2	ENSG00000167751	17374662;
D007529	decrease	KLK3	ENSG00000142515	17374662;
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D007529	decrease	MMP13	ENSG00000137745	16365062;
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D007529	decrease	RAC3	ENSG00000169750	17374662;
D007529	decrease	RACGAP1	ENSG00000161800	17374662;
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D007529	increase	ASPH	ENSG00000198363	17374662;
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D007529	increase	ATP2B1	ENSG00000070961	17374662;
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D007529	increase	G6PD	ENSG00000160211	17374662;
D007529	increase	GALNT10	ENSG00000164574	17374662;
D007529	increase	GCA	ENSG00000115271	17374662;
D007529	increase	GCLM	ENSG00000023909	17374662;
D007529	increase	GSTK1	ENSG00000250907	17374662;
D007529	increase	HIBCH	ENSG00000198130	17374662;
D007529	increase	HMGCS1	ENSG00000112972	17374662;
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D007529	increase	ITM2B	ENSG00000136156	17374662;
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D007529	increase	JUN	ENSG00000177606	17374662;
D007529	increase	LSS	ENSG00000160285	17374662;
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D007538	increase	CYP2E1	ENSG00000130649	12668988;17950035;80747
D007538	increase	PLOD2	ENSG00000152952	15997088;
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D007545	decrease	FN1	ENSG00000115414	11821714;
D007545	decrease	TGFB1	ENSG00000105329	11821714;
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D007545	increase	IL8	ENSG00000169429	9258252;
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D007545	increase	TNF	ENSG00000223952	8096834;8780174;
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D007654	decrease	IL5	ENSG00000113525	15284827;
D007654	decrease	SLC2A3	ENSG00000059804	17567588;15342952;
D007654	increase	ASNS	ENSG00000070669	15342952;
D007654	increase	C10ORF10	ENSG00000165507	15342952;
D007654	increase	FABP1	ENSG00000163586	17567588;15342952;
D007654	increase	FNDC4	ENSG00000115226	17567588;15342952;
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D007654	increase	NUPR1	ENSG00000176046	17567588;15342952;
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D007832	decrease	MAPT	ENSG00000186868	16930453;
D007854	increase	IL8	ENSG00000169429	18464055;
D007975	decrease	HSD11B2	ENSG00000176387	18032417;

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D007978	increase	ENPP1	ENSG00000197594	18500657;
D007978	increase	PHEX	ENSG00000102174	18500657;
D007978	increase	PTGS2	ENSG00000073756	15047127;
D008012	decrease	IL6	ENSG00000136244	16378115;
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D008050	increase	IFNG	ENSG00000111537	16299289;
D008050	increase	IL12A	ENSG00000168811	16299289;
D008050	increase	IL12B	ENSG00000113302	16299289;
D008050	increase	IL15	ENSG00000164136	16299289;
D008050	increase	IL18	ENSG00000150782	16299289;
D008050	increase	IL8	ENSG00000169429	16299289;
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D008055	increase	OLR1	ENSG00000173391	16891912;
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D008063	increase	NQO1	ENSG00000181019	17940886;19033392;
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D008070	decrease	ABCC2	ENSG00000023839	15205115;
D008070	decrease	CTGF	ENSG00000118523	17965732;
D008070	decrease	LTC4S	ENSG00000213316	12574384;
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D008070	decrease	SLC10A1	ENSG00000100652	15205115;
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D008070	increase	ADRB2	ENSG00000169252	9258252;
D008070	increase	BCL2A1	ENSG00000140379	15860229;
D008070	increase	BIRC3	ENSG00000023445	16154993;15454145;
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D008070	increase	CCL2	ENSG00000108691	17529908;16317058;15196211;15788441;
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D008070	increase	CD40	ENSG00000101017	15684433;16317058;16299289;
D008070	increase	CD80	ENSG00000121594	16299289;
D008070	increase	CD83	ENSG00000112149	17698565;16299289;
D008070	increase	CD86	ENSG00000114013	17698565;16299289;
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D008070	increase	IFIT2	ENSG00000119922	15860229;
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D008070	increase	IFITM1	ENSG00000185885	15860229;
D008070	increase	IFNG	ENSG00000111537	15779068;15379866;10569698;16713974;17399992;19020770;15358692;9256163;16380391;
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D008070	increase	IL18	ENSG00000150782	10866999;15860229;17929310;15779068;
D008070	increase	IL1A	ENSG00000115008	9851740;15652230;15802305;19164858;10588509;16804125;9890559;10772282;12574323;15860229;10328874;16687389;19020770;10072544;16369138;11344824;17377406;19211157;1611210072544;17377406;
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D008070	increase	IL8	ENSG00000169429	15860229;
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D008070	increase	ISG15	ENSG00000187608	18180316;
D008070	increase	ITGAM	ENSG00000169896	17408380;
D008070	increase	JUN	ENSG00000177606	11739494;
D008070	increase	LITAF	ENSG00000189067	15860229;
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D008070	increase	SOD2	ENSG00000112096	12734376;12225373;12176910;
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D008344	increase	BAX	ENSG00000087088	15824117;
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D008345	decrease	AKT1	ENSG00000142208	17043766;
D008345	decrease	FOS	ENSG00000170345	17043766;
D008345	decrease	JUN	ENSG00000177606	17043766;
D008345	decrease	MMP14	ENSG00000157227	17043766;
D008345	decrease	MMP2	ENSG00000087245	17043766;
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D008345	increase	BACE1	ENSG00000186318	18583042;
D008345	increase	HIF1A	ENSG00000100644	16386771;
D008345	increase	HSPA8	ENSG00000109971	16600465;
D008345	increase	NDRG1	ENSG00000104419	16386771;
D008351	increase	PTGS2	ENSG00000073756	15944324;
D008456	increase	TNF	ENSG00000223952	10883730;
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D008466	increase	TP53	ENSG00000141510	16738803;
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D008468	affect	GAL	ENSG00000069482	12388792;
D008468	affect	GAP43	ENSG00000172020	12388792;
D008468	affect	RET	ENSG00000165731	12388792;
D008468	affect	TIMP1	ENSG00000102265	12388792;
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D008468	increase	NR1I3	ENSG00000143257	15272053;
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D008535	affect	CLU	ENSG00000120885	12388792;
D008535	affect	GAL	ENSG00000069482	12388792;
D008535	affect	GAP43	ENSG00000172020	12388792;

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D008535	affect	TIMP1	ENSG00000102265	12388792;
D008543	decrease	PLD1	ENSG00000075651	14615486;
D008543	decrease	TYR	ENSG00000077498	14615486;
D008550	decrease	CYP19A1	ENSG00000137869	16080194;
D008550	increase	CASP3	ENSG00000164305	12880480;
D008558	increase	ICAM1	ENSG00000090339	16025434;
D008558	increase	TNF	ENSG00000223952	16025434;
D008610	increase	RAP1A	ENSG00000116473	12671036;
D008610	increase	RHOA	ENSG00000067560	12671036;
D008610	increase	RHOB	ENSG00000143878	12671036;
D008623	increase	ACTA2	ENSG00000107796	17053324;
D008627	increase	ABCC1	ENSG00000103222	15585369;
D008627	increase	HMOX1	ENSG00000100292	17244614;
D008627	increase	HSPA1A	ENSG00000232804	17244614;
D008628	affect	C1ORF144	ENSG00000055070	16823088;
D008628	affect	CLK1	ENSG00000013441	16823088;
D008628	affect	POGK	ENSG00000143157	16823088;
D008628	affect	POLD2	ENSG00000106628	16823088;
D008628	affect	RNGTT	ENSG00000111880	16823088;
D008628	affect	TK2	ENSG00000166548	16823088;
D008628	decrease	A2M	ENSG00000175899	17547211;
D008628	decrease	ACP2	ENSG00000134575	17547211;
D008628	decrease	ACSL1	ENSG00000151726	17547211;
D008628	decrease	AKR1B1	ENSG00000085662	17547211;
D008628	decrease	AKT2	ENSG00000105221	16823088;
D008628	decrease	ALDH6A1	ENSG00000119711	17547211;
D008628	decrease	ARF4	ENSG00000168374	16823088;
D008628	decrease	ATP6V1A	ENSG00000114573	16823088;
D008628	decrease	AZGP1	ENSG00000160862	17547211;
D008628	decrease	BAT3	ENSG00000204463	16823088;
D008628	decrease	BUB3	ENSG00000154473	16823088;
D008628	decrease	CALM3	ENSG00000143933	16823088;
D008628	decrease	CCR2	ENSG00000121807	16823088;
D008628	decrease	CD84	ENSG00000066294	16823088;
D008628	decrease	CFB	ENSG00000243570	17547211;
D008628	decrease	CIDEB	ENSG00000136305	17547211;
D008628	decrease	CLGN	ENSG00000153132	17547211;
D008628	decrease	CLTC	ENSG00000141367	16823088;
D008628	decrease	CRYAA	ENSG00000160202	17547211;
D008628	decrease	CYB561	ENSG00000008283	16823088;
D008628	decrease	DNAH1	ENSG00000114841	16823088;
D008628	decrease	EIF3F	ENSG00000175390	16823088;
D008628	decrease	F10	ENSG00000126218	17547211;
D008628	decrease	F5	ENSG00000198734	17547211;
D008628	decrease	FCGR3A	ENSG00000203747	16823088;
D008628	decrease	FCRLA	ENSG00000132185	16823088;
D008628	decrease	FN1	ENSG00000115414	16823088;
D008628	decrease	FURIN	ENSG00000140564	17547211;
D008628	decrease	GGCX	ENSG00000115486	17547211;
D008628	decrease	GPER	ENSG00000164850	17547211;
D008628	decrease	GSN	ENSG00000148180	17547211;
D008628	decrease	HLA-DQA1	ENSG00000196735	16823088;
D008628	decrease	HLA-DQB1	ENSG00000179344	16823088;

D008628	decrease	HS1BP3	ENSG00000118960	16823088;
D008628	decrease	IFRD1	ENSG00000006652	17547211;
D008628	decrease	IKBKAP	ENSG00000070061	16823088;
D008628	decrease	IL17RB	ENSG00000056736	17547211;
D008628	decrease	IL3RA	ENSG00000185291	16823088;
D008628	decrease	ITIH3	ENSG00000162267	17547211;
D008628	decrease	IVNS1ABP	ENSG00000116679	16823088;
D008628	decrease	LANCL1	ENSG00000115365	16823088;
D008628	decrease	LEPR	ENSG00000116678	16823088;
D008628	decrease	LILRA2	ENSG00000239998	16823088;
D008628	decrease	LIPA	ENSG00000107798	17547211;
D008628	decrease	LMNA	ENSG00000160789	16823088;
D008628	decrease	MGAT2	ENSG00000168282	17547211;
D008628	decrease	MORF4L2	ENSG00000123562	16823088;
D008628	decrease	MTMR11	ENSG00000014914	16823088;
D008628	decrease	MYC	ENSG00000136997	16823088;
D008628	decrease	NDUFS2	ENSG00000158864	16823088;
D008628	decrease	OS9	ENSG00000135506	17547211;
D008628	decrease	PDIA4	ENSG00000155660	17547211;
D008628	decrease	PDS5B	ENSG00000083642	16823088;
D008628	decrease	PGC	ENSG00000096088	17547211;
D008628	decrease	PNMA1	ENSG00000176903	17547211;
D008628	decrease	PPP1R15A	ENSG00000087074	16823088;
D008628	decrease	PRDX6	ENSG00000117592	16823088;
D008628	decrease	PSPH	ENSG00000146733	17547211;
D008628	decrease	RELN	ENSG00000189056	17547211;
D008628	decrease	RNASEH1	ENSG00000171865	16823088;
D008628	decrease	RPL19	ENSG00000108298	16823088;
D008628	decrease	RPL28	ENSG00000108107	16823088;
D008628	decrease	RPS5	ENSG00000083845	16823088;
D008628	decrease	SERPINB1	ENSG00000021355	17547211;
D008628	decrease	SERPINC1	ENSG00000117601	17547211;
D008628	decrease	SHC1	ENSG00000160691	16823088;
D008628	decrease	SLIT3	ENSG00000184347	16823088;
D008628	decrease	SRF	ENSG00000112658	16823088;
D008628	decrease	SSR2	ENSG00000163479	16823088;
D008628	decrease	TMF1	ENSG00000144747	16823088;
D008628	decrease	TNFSF10	ENSG00000121858	17547211;
D008628	decrease	TSPAN7	ENSG00000156298	17547211;
D008628	decrease	TST	ENSG00000128311	17547211;
D008628	decrease	TWF2	ENSG00000247596	16823088;
D008628	decrease	UBE2N	ENSG00000177889	16823088;
D008628	decrease	VTN	ENSG00000109072	17547211;
D008628	decrease	YWHAZ	ENSG00000164924	16823088;
D008628	increase	ABCG1	ENSG00000160179	16823088;
D008628	increase	ABCG2	ENSG00000118777	17547211;
D008628	increase	ADM	ENSG00000148926	17547211;
D008628	increase	ALG3	ENSG00000214160	16823088;
D008628	increase	ANKHD1	ENSG00000131503	16823088;
D008628	increase	ANXA2	ENSG00000182718	17547211;
D008628	increase	BANK1	ENSG00000153064	16823088;
D008628	increase	BCOR	ENSG00000183337	16823088;
D008628	increase	BIRC3	ENSG00000023445	16823088;
D008628	increase	BUB1	ENSG00000169679	16823088;

D008628	increase	C13ORF18	ENSG00000102445	16823088;
D008628	increase	C4ORF34	ENSG00000163683	16823088;
D008628	increase	CA3	ENSG00000164879	16823088;
D008628	increase	CCNB2	ENSG00000157456	17547211;
D008628	increase	CD226	ENSG00000150637	16823088;
D008628	increase	CD40	ENSG00000101017	16823088;
D008628	increase	CDK5R1	ENSG00000176749	16823088;
D008628	increase	CDKN3	ENSG00000100526	17547211;
D008628	increase	CFD	ENSG00000197766	16823088;
D008628	increase	CKS2	ENSG00000123975	17547211;
D008628	increase	CLASP2	ENSG00000163539	16823088;
D008628	increase	CLPTM1	ENSG00000104853	17547211;16823088;
D008628	increase	COL4A3	ENSG00000169031	16823088;
D008628	increase	CPZ	ENSG00000109625	16823088;
D008628	increase	CSPG5	ENSG00000114646	16823088;
D008628	increase	CTBP1	ENSG00000159692	16823088;
D008628	increase	CYP2U1	ENSG00000155016	16823088;
D008628	increase	DAB1	ENSG00000173406	16823088;
D008628	increase	DOCK10	ENSG00000135905	16823088;
D008628	increase	DPYSL4	ENSG00000151640	16823088;
D008628	increase	DTNA	ENSG00000134769	16823088;
D008628	increase	EEA1	ENSG00000102189	16823088;
D008628	increase	EFNB1	ENSG00000090776	16823088;
D008628	increase	EMX2	ENSG00000170370	16823088;
D008628	increase	EN1	ENSG00000163064	16823088;
D008628	increase	ENPP1	ENSG00000197594	17547211;
D008628	increase	ESR2	ENSG00000140009	16823088;
D008628	increase	ETFB	ENSG00000105379	16823088;
D008628	increase	ETS2	ENSG00000157557	17547211;
D008628	increase	EZH1	ENSG00000108799	16823088;
D008628	increase	FABP7	ENSG00000164434	16823088;
D008628	increase	FAM125B	ENSG00000249991	16823088;
D008628	increase	FGF2	ENSG00000138685	16823088;
D008628	increase	FOSL1	ENSG00000175592	17547211;
D008628	increase	GABRA6	ENSG00000145863	16823088;
D008628	increase	GAS7	ENSG00000007237	16823088;
D008628	increase	GCLC	ENSG00000001084	17547211;
D008628	increase	GLA	ENSG00000102393	17547211;
D008628	increase	GLRA3	ENSG00000145451	16823088;
D008628	increase	GNGT1	ENSG00000127928	16823088;
D008628	increase	GNRH1	ENSG00000147437	16823088;
D008628	increase	HABP4	ENSG00000130956	16823088;
D008628	increase	HEPH	ENSG00000089472	16823088;
D008628	increase	HIST1H2AG	ENSG00000233224	16823088;
D008628	increase	HIST1H3I	ENSG00000197153	16823088;
D008628	increase	HIST1H4C	ENSG00000182217	17547211;
D008628	increase	HMG2	ENSG00000198830	17547211;
D008628	increase	HMOX1	ENSG00000100292	17244614;17547211;
D008628	increase	HNF1A	ENSG00000135100	16823088;
D008628	increase	HNRNP3	ENSG00000096746	16823088;
D008628	increase	HOXB6	ENSG00000108511	16823088;
D008628	increase	HSP90AA1	ENSG00000080824	16823088;
D008628	increase	HSPA1A	ENSG00000232804	17244614;
D008628	increase	HTN1	ENSG00000126550	16823088;

D008628	increase	HTR7	ENSG00000148680	16823088;
D008628	increase	IFNA8	ENSG00000120242	16823088;
D008628	increase	IMPG1	ENSG00000112706	16823088;
D008628	increase	ITGB3BP	ENSG00000142856	17547211;
D008628	increase	KCNH2	ENSG00000055118	16823088;
D008628	increase	LAMB4	ENSG00000091128	16823088;
D008628	increase	LPPR4	ENSG00000117600	16823088;
D008628	increase	LRRFIP1	ENSG00000124831	16823088;
D008628	increase	MAGEB4	ENSG00000120289	16823088;
D008628	increase	MAP2K2	ENSG00000126934	16823088;
D008628	increase	MCM2	ENSG00000073111	17547211;
D008628	increase	MED16	ENSG00000175221	16823088;
D008628	increase	MEOX2	ENSG00000106511	16823088;
D008628	increase	MFAP5	ENSG00000197614	16823088;
D008628	increase	MLL4	ENSG00000105663	16823088;
D008628	increase	MT1H	ENSG00000205358	16823088;
D008628	increase	MTF1	ENSG00000188786	16823088;
D008628	increase	MYO1B	ENSG00000128641	16823088;
D008628	increase	NAP1L1	ENSG00000187109	16823088;
D008628	increase	NAV3	ENSG00000067798	16823088;
D008628	increase	NCOA3	ENSG00000124151	16823088;
D008628	increase	NGF	ENSG00000134259	16823088;
D008628	increase	NMT2	ENSG00000152465	16823088;
D008628	increase	NUP107	ENSG00000111581	17547211;
D008628	increase	PARK7	ENSG00000116288	16823088;
D008628	increase	PDE4DIP	ENSG00000178104	16823088;
D008628	increase	PEX14	ENSG00000142655	16823088;
D008628	increase	PHOX2B	ENSG00000109132	16823088;
D008628	increase	PIK3R4	ENSG00000196455	16823088;
D008628	increase	PLGLB1	ENSG00000125551	16823088;
D008628	increase	POU2F3	ENSG00000137709	16823088;
D008628	increase	PPIA	ENSG00000196262	16823088;
D008628	increase	PPIH	ENSG00000171960	17547211;
D008628	increase	PPP1R12A	ENSG00000058272	16823088;
D008628	increase	PTTG1	ENSG00000164611	17547211;
D008628	increase	RAC1	ENSG00000136238	16823088;
D008628	increase	RACGAP1	ENSG00000161800	17547211;
D008628	increase	RBPMS	ENSG00000157110	17547211;
D008628	increase	RHOBTB2	ENSG00000008853	16823088;
D008628	increase	RNASEH2A	ENSG00000104889	16823088;17547211;
D008628	increase	RNF138	ENSG00000134758	16823088;
D008628	increase	SAA2	ENSG00000134339	16823088;
D008628	increase	SAP30	ENSG00000164105	16823088;
D008628	increase	SCG3	ENSG00000104112	16823088;
D008628	increase	SEC24C	ENSG00000176986	16823088;
D008628	increase	SENK6	ENSG00000112701	16823088;
D008628	increase	SFRS15	ENSG00000156304	16823088;
D008628	increase	SFRS2	ENSG00000161547	17547211;
D008628	increase	SFRS7	ENSG00000115875	17547211;
D008628	increase	SH3GLB2	ENSG00000148341	16823088;
D008628	increase	SH3PXD2A	ENSG00000107957	16823088;
D008628	increase	SLC9A3R2	ENSG00000065054	16823088;
D008628	increase	SMC4	ENSG00000113810	17547211;
D008628	increase	SNRPA	ENSG00000077312	17547211;

D008628	increase	SOX18	ENSG00000203883	16823088;
D008628	increase	SPP1	ENSG00000118785	17547211;
D008628	increase	SPTBN1	ENSG00000115306	16823088;
D008628	increase	TAC1	ENSG00000006128	16823088;
D008628	increase	TGFB2	ENSG00000092969	16823088;
D008628	increase	TM2D1	ENSG00000162604	16823088;
D008628	increase	TNFAIP3	ENSG00000118503	17547211;
D008628	increase	TNFAIP8	ENSG00000145779	17547211;
D008628	increase	TOX3	ENSG00000103460	16823088;
D008628	increase	TPM2	ENSG00000198467	16823088;
D008628	increase	TRIP13	ENSG00000071539	17547211;
D008628	increase	TYMS	ENSG00000176890	17547211;
D008628	increase	UBE2C	ENSG00000175063	17547211;
D008628	increase	UGCG	ENSG00000148154	17547211;
D008628	increase	UQCRB	ENSG00000156467	16823088;
D008628	increase	USP39	ENSG00000168883	16823088;
D008628	increase	USPL1	ENSG00000132952	16823088;
D008628	increase	VWA1	ENSG00000179403	16823088;
D008628	increase	YBX1	ENSG00000065978	16823088;
D008628	increase	ZBTB10	ENSG00000205189	16823088;
D008628	increase	ZBTB1	ENSG00000126804	16823088;
D008628	increase	ZNF80	ENSG00000174255	16823088;
D008628	increase	ZWINT	ENSG00000122952	17547211;
D008687	decrease	CRP	ENSG00000132693	14557435;
D008704	affect	CLU	ENSG00000120885	12388792;
D008704	affect	GAL	ENSG00000069482	12388792;
D008704	affect	GAP43	ENSG00000172020	12388792;
D008704	affect	RET	ENSG00000165731	12388792;
D008704	affect	TIMP1	ENSG00000102265	12388792;
D008714	increase	ESR2	ENSG00000140009	15064155;15130599;
D008723	increase	JUN	ENSG00000177606	15263067;
D008724	decrease	HSP90B1	ENSG00000166598	16271832;
D008724	decrease	HSPA1A	ENSG00000232804	16271832;
D008724	decrease	HSPA8	ENSG00000109971	16271832;
D008724	increase	HSPA5	ENSG00000044574	16271832;
D008727	decrease	CD4	ENSG00000010610	15476228;
D008727	decrease	CD68	ENSG00000129226	15476228;
D008727	decrease	CD8A	ENSG00000153563	15476228;
D008727	decrease	CYP3A4	ENSG00000160868	12065438;16837568;
D008727	decrease	DKK1	ENSG00000107984	17320366;
D008727	decrease	ICAM1	ENSG00000090339	15476228;
D008727	decrease	IL8	ENSG00000169429	15476228;
D008727	decrease	MMP3	ENSG00000149968	15476228;
D008727	decrease	MTR	ENSG00000116984	16598758;
D008727	decrease	PRC1	ENSG00000198901	17374387;
D008727	decrease	SELE	ENSG00000007908	15476228;
D008727	decrease	TAGLN	ENSG00000149591	17320366;
D008727	decrease	UBE2C	ENSG00000175063	17374387;
D008727	decrease	WISP1	ENSG00000104415	17320366;
D008727	increase	ABCB1	ENSG00000085563	12576456;15239124;
D008727	increase	CASP8	ENSG00000064012	17637740;
D008727	increase	CDKN1A	ENSG00000124762	17637740;
D008727	increase	MDM2	ENSG00000135679	17637740;
D008727	increase	ODC1	ENSG00000115758	16598758;

D008727	increase	TNFRSF10A	ENSG00000104689	17637740;
D008727	increase	TNFRSF10B	ENSG00000120889	17637740;
D008727	increase	TP53	ENSG00000141510	17637740;
D008727	increase	WNT5A	ENSG00000114251	17320366;
D008730	increase	CYP1A1	ENSG00000140465	9169082;
D008731	decrease	DLX4	ENSG00000108813	12858341;
D008731	decrease	HSD17B1	ENSG00000108786	12858341;
D008731	decrease	MT2A	ENSG00000125148	12858341;
D008731	decrease	SELENBP1	ENSG00000143416	15159206;
D008731	increase	CYP11A1	ENSG00000140459	12858341;
D008731	increase	CYP19A1	ENSG00000137869	16996190;
D008731	increase	CYP2B6	ENSG00000197408	9733665;9047321;1010114
D008731	increase	CYP3A4	ENSG00000160868	7;12464242;9241656;15548
D008731	increase	EGR3	ENSG00000179388	9714305;15466163;155483
D008731	increase	ESR1	ENSG00000091831	15159206;
D008731	increase	HOXA10	ENSG00000078399	10999957;9751507;152530
D008731	increase	HSD3B1	ENSG00000203857	41;14579009;10774817;166
D008741	affect	CDKN1A	ENSG00000124762	26760;15890768;10579340;
D008741	decrease	DNMT1	ENSG00000130816	11861976;12623674;15064
D008741	increase	CDX2	ENSG00000165556	155;11485867;11922773;14
D008741	increase	JUN	ENSG00000177606	15890768;16632680;
D008741	increase	TP53	ENSG00000141510	12858341;
D008743	decrease	MKI67	ENSG00000148773	17079232;
D008743	increase	AKR1C1	ENSG00000187134	11912126;
D008743	increase	AKR1C2	ENSG00000151632	16990345;
D008743	increase	CDKN1A	ENSG00000124762	16061660;
D008743	increase	CYP1A1	ENSG00000140465	10531375;17079232;
D008743	increase	GADD45A	ENSG00000116717	18418871;
D008743	increase	MDM2	ENSG00000135679	19800895;
D008743	increase	TP53	ENSG00000141510	19800895;
D008748	decrease	CES1	ENSG00000198848	18418871;
D008748	decrease	CES2	ENSG00000172831	19800895;
D008748	decrease	CYP3A4	ENSG00000160868	18418871;
D008748	increase	AHR	ENSG00000106546	18418871;
D008748	increase	AHRR	ENSG00000063438	10640517;
D008748	increase	AKR1A1	ENSG00000117448	10640517;
D008748	increase	AKR1C1	ENSG00000187134	16489053;16359657;15860
D008748	increase	AREG	ENSG00000205595	653;19286049;
D008748	increase	C3	ENSG00000125730	12655030;14672759;
D008748	increase	CTSD	ENSG00000117984	9973208;
D008748	increase	CYP1A1	ENSG00000140465	9973208;
D008748	increase	CYP1A2	ENSG00000140505	16257430;
D008748	increase	ESR1	ENSG00000091831	16257430;
D008748	increase	PGR	ENSG00000082175	16257430;
D008748	increase	PON1	ENSG00000005421	15169886;
D008748	increase	TFF1	ENSG00000160182	16257430;

D008751	increase	MAPT	ENSG00000186868	16930453;
D008767	decrease	ANP32A	ENSG00000140350	18959786;
D008767	decrease	ASMTL	ENSG00000169093	18959786;
D008767	decrease	BTBD1	ENSG00000064726	18959786;
D008767	decrease	GNB2L1	ENSG00000204628	18959786;
D008767	decrease	VIM	ENSG00000026025	18959786;
D008767	increase	PSMC6	ENSG00000100519	18959786;
D008767	increase	WARS	ENSG00000140105	18959786;
D008769	decrease	AMBP	ENSG00000106927	12773770;
D008769	decrease	ATP1B3	ENSG00000069849	12634122;
D008769	decrease	BMP4	ENSG00000125378	12773770;
D008769	decrease	CBX5	ENSG00000094916	12634122;
D008769	decrease	CDH8	ENSG00000150394	12634122;
D008769	decrease	CDKN1A	ENSG00000124762	12634122;
D008769	decrease	CKB	ENSG00000166165	12634122;
D008769	decrease	CXCR4	ENSG00000121966	12634122;
D008769	decrease	CYB561D2	ENSG00000114395	12634122;
D008769	decrease	DEAF1	ENSG00000177030	12634122;
D008769	decrease	EIF5	ENSG00000100664	12634122;
D008769	decrease	EPHB3	ENSG00000182580	12634122;
D008769	decrease	FCGRT	ENSG00000104870	12634122;
D008769	decrease	FOSL1	ENSG00000175592	12634122;
D008769	decrease	GSS	ENSG00000100983	12634122;
D008769	decrease	HIST1H4B	ENSG00000182217	12634122;
D008769	decrease	HMGB2	ENSG00000164104	12634122;
D008769	decrease	ID1	ENSG00000125968	12634122;
D008769	decrease	ITGB4	ENSG00000132470	12634122;12773770;
D008769	decrease	KRT17	ENSG00000128422	12634122;
D008769	decrease	LIG1	ENSG00000105486	12634122;
D008769	decrease	MCM2	ENSG00000073111	12634122;
D008769	decrease	MCM4	ENSG00000104738	12634122;
D008769	decrease	MGST2	ENSG00000085871	12634122;
D008769	decrease	MLH1	ENSG00000076242	17671175;
D008769	decrease	MYLK	ENSG00000251351	12634122;
D008769	decrease	NBL1	ENSG00000158747	12634122;
D008769	decrease	PCDH7	ENSG00000169851	12634122;
D008769	decrease	PCNA	ENSG00000132646	12634122;
D008769	decrease	PTPRA	ENSG00000132670	12634122;
D008769	decrease	PTPRG	ENSG00000144724	12634122;
D008769	decrease	PTPRS	ENSG00000105426	12634122;
D008769	decrease	RAD23A	ENSG00000179262	12634122;12773770;
D008769	decrease	RARRES3	ENSG00000133321	12634122;
D008769	decrease	SFRS7	ENSG00000115875	12634122;
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D008769	decrease	SPARC	ENSG00000113140	12634122;
D008769	decrease	STK39	ENSG00000198648	12634122;
D008769	decrease	TSC22D1	ENSG00000102804	12634122;
D008769	decrease	WARS	ENSG00000140105	12634122;
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D008769	increase	ALPL	ENSG00000162551	12634122;
D008769	increase	APC	ENSG00000134982	12634122;
D008769	increase	ARAF	ENSG00000078061	12634122;
D008769	increase	AXL	ENSG00000167601	12634122;
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D008769	increase	BRCA1	ENSG00000012048	12634122;
D008769	increase	BRCA2	ENSG00000139618	12634122;
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D008769	increase	CCNA1	ENSG00000133101	12634122;
D008769	increase	CCNH	ENSG00000134480	12634122;
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D008769	increase	DAB2	ENSG00000153071	12634122;12773770;
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D008769	increase	DSTN	ENSG00000249789	12634122;
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D008769	increase	ELK3	ENSG00000111145	12634122;
D008769	increase	EMP1	ENSG00000134531	12634122;
D008769	increase	EPCAM	ENSG00000119888	12634122;
D008769	increase	EPHA1	ENSG00000146904	12634122;
D008769	increase	ERBB2	ENSG00000141736	12634122;
D008769	increase	ERBB4	ENSG00000178568	12634122;
D008769	increase	ETS1	ENSG00000134954	12634122;
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D008769	increase	FES	ENSG00000182511	12634122;
D008769	increase	FGFR1OP	ENSG00000213066	12634122;
D008769	increase	FYN	ENSG00000010810	12634122;
D008769	increase	GDF15	ENSG00000130513	12634122;12773770;
D008769	increase	HLA-DRB1	ENSG00000196126	12634122;
D008769	increase	HMGB1	ENSG00000189403	12634122;
D008769	increase	HSP90B1	ENSG00000166598	12634122;
D008769	increase	IFITM1	ENSG00000185885	12634122;12773770;
D008769	increase	IFRD1	ENSG00000006652	12634122;
D008769	increase	KIT	ENSG00000157404	12634122;
D008769	increase	LGALS8	ENSG00000116977	12634122;
D008769	increase	MAPK4	ENSG00000141639	12634122;
D008769	increase	MAPK9	ENSG00000050748	12634122;
D008769	increase	MAX	ENSG00000125952	12634122;
D008769	increase	MCAM	ENSG00000076706	12634122;12773770;
D008769	increase	MDM2	ENSG00000135679	12634122;
D008769	increase	MECOM	ENSG00000085276	12634122;
D008769	increase	MET	ENSG00000105976	12634122;
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D008769	increase	MYBL1	ENSG00000185697	12634122;
D008769	increase	MYL2	ENSG00000111245	12634122;
D008769	increase	MYL9	ENSG00000101335	12634122;
D008769	increase	PDGFB	ENSG00000100311	12634122;
D008769	increase	PEA15	ENSG00000162734	12634122;
D008769	increase	PGK1	ENSG00000102144	12634122;
D008769	increase	PLXNA3	ENSG00000130827	12634122;
D008769	increase	PRKD1	ENSG00000184304	12634122;
D008769	increase	PTP4A1	ENSG00000112245	12634122;
D008769	increase	RBBP5	ENSG00000117222	12634122;
D008769	increase	RBM6	ENSG00000004534	12634122;
D008769	increase	RPSA	ENSG00000168028	12773770;
D008769	increase	SERPING1	ENSG00000149131	12634122;
D008769	increase	SNRPN	ENSG00000128739	12634122;
D008769	increase	SPINK1	ENSG00000164266	12634122;
D008769	increase	SPINT2	ENSG00000167642	12634122;

D008769	increase	SQLE	ENSG00000104549	12634122;
D008769	increase	TBRG4	ENSG00000136270	12634122;
D008769	increase	TIAM1	ENSG00000156299	12634122;
D008769	increase	TNC	ENSG00000041982	12634122;
D008769	increase	TNFRSF25	ENSG00000215788	12634122;
D008769	increase	TP53	ENSG00000141510	12634122;
D008769	increase	TRAM1	ENSG00000067167	12634122;
D008769	increase	UCHL1	ENSG00000154277	12634122;
D008769	increase	VIM	ENSG00000026025	12634122;12773770;
D008769	increase	WNT2	ENSG00000105989	12634122;
D008770	decrease	CCNA2	ENSG00000145386	15870882;
D008770	decrease	CDK1	ENSG00000170312	15870882;
D008775	decrease	CYP3A4	ENSG00000160868	16837568;15964336;
D008775	increase	FCER2	ENSG00000104921	11997017;
D008775	increase	IL4	ENSG00000113520	11997017;
D008775	increase	IL4R	ENSG00000077238	11997017;
D008797	affect	NR3C1	ENSG00000113580	10219967;
D008797	increase	CYP3A4	ENSG00000160868	12505310;10219967;
D008798	affect	RAP1A	ENSG00000116473	12671036;
D008798	affect	RHOA	ENSG00000067560	12671036;
D008798	affect	RHOB	ENSG00000143878	12671036;
D008798	increase	PON1	ENSG00000005421	14500290;15690306;
D008803	increase	HTR2C	ENSG00000147246	18083778;
D008825	decrease	IL4	ENSG00000113520	15284827;
D008825	decrease	IL5	ENSG00000113525	15284827;
D008874	increase	ABCB1	ENSG00000085563	8632764;
D008911	increase	BACE1	ENSG00000186318	18583042;
D008926	decrease	AXL	ENSG00000167601	18522535;
D008926	increase	F3	ENSG00000117525	15636197;
D008926	increase	IFNG	ENSG00000111537	18953428;
D008926	increase	MAOA	ENSG00000189221	15946989;
D008926	increase	PLA2G2A	ENSG00000188257	18953428;
D008926	increase	PON1	ENSG00000005421	15690306;
D008942	affect	BIRC3	ENSG00000023445	12948851;
D008942	affect	DAXX	ENSG00000231617	12948851;
D008942	affect	PAWR	ENSG00000177425	12948851;
D008942	decrease	BIRC2	ENSG00000110330	15359644;
D008942	decrease	XIAP	ENSG00000101966	15359644;12948851;
D008942	increase	ABCB1	ENSG00000085563	15239124;
D008942	increase	ABCG2	ENSG00000118777	15695404;15875186;17032 904;15640379;16954373;16 636798;15239124;1570330
D008942	increase	CASP2	ENSG00000106144	14757846;
D008942	increase	RARB	ENSG00000077092	17608728;
D009020	decrease	BCL2	ENSG00000171791	17542780;
D009020	increase	BAX	ENSG00000087088	17542780;
D009151	affect	CD40LG	ENSG00000102245	16173061;
D009151	affect	CXCL2	ENSG00000081041	16173061;
D009151	affect	ERBB4	ENSG00000178568	16173061;
D009151	affect	FGF7	ENSG00000140285	16173061;
D009151	affect	FGF8	ENSG00000107831	16173061;
D009151	affect	FGF9	ENSG00000102678	16173061;
D009151	affect	GDF1	ENSG00000130283	16173061;
D009151	affect	IL13	ENSG00000169194	16173061;

D009151	affect	IL3	ENSG00000164399	16173061;
D009151	affect	IL7R	ENSG00000168685	16173061;
D009151	affect	NOTCH2	ENSG00000134250	16173061;
D009151	affect	PDCD10	ENSG00000114209	16173061;
D009151	affect	PDGFA	ENSG00000197461	16173061;
D009151	affect	PDGFRB	ENSG00000113721	16173061;
D009151	affect	TNFRSF10A	ENSG00000104689	16173061;
D009151	affect	TNFRSF1A	ENSG00000067182	16173061;
D009151	affect	TNFRSF1B	ENSG00000028137	16173061;
D009151	affect	VEGFB	ENSG00000173511	16173061;
D009151	affect	VEGFC	ENSG00000150630	16173061;
D009151	decrease	BCL2	ENSG00000171791	9665388;11428642;
D009151	decrease	C6ORF114	ENSG00000187461	12884408;
D009151	decrease	CETN2	ENSG00000147400	12884408;
D009151	decrease	CHST15	ENSG00000182022	12884408;
D009151	decrease	CSF3R	ENSG00000119535	16173061;
D009151	decrease	FGFR3	ENSG00000068078	16173061;
D009151	decrease	FN1	ENSG00000115414	9665388;11428642;183423
D009151	decrease	IL10RA	ENSG00000110324	16173061;
D009151	decrease	IL4R	ENSG00000077238	16173061;
D009151	decrease	IL6R	ENSG00000160712	16173061;
D009151	decrease	IL9	ENSG00000145839	16173061;
D009151	decrease	IL9R	ENSG00000124334	16173061;
D009151	decrease	ITGA6	ENSG00000091409	12880345;
D009151	decrease	ITGB4	ENSG00000132470	12880345;11428621;
D009151	decrease	KDR	ENSG00000128052	16173061;
D009151	decrease	KRT14	ENSG00000186847	12880345;18342354;14644625;12884408;11428621;
D009151	decrease	LAMA5	ENSG00000130702	12880345;
D009151	decrease	LAMC2	ENSG00000248691	18095945;9504665;183003
D009151	decrease	MCL1	ENSG00000143384	12884408;
D009151	decrease	MIF	ENSG00000240972	12884408;
D009151	decrease	NBN	ENSG00000104320	12884408;
D009151	decrease	NGF	ENSG00000134259	16173061;
D009151	decrease	NTF3	ENSG00000185652	16173061;
D009151	decrease	OXSR1	ENSG00000172939	12884408;
D009151	decrease	PELO	ENSG00000152684	12884408;
D009151	decrease	POP1	ENSG00000104356	12884408;
D009151	increase	ACHE	ENSG00000087085	17229443;
D009151	increase	C3	ENSG00000125730	15953574;
D009151	increase	CALM1	ENSG00000143933	16935404;
D009151	increase	CCL11	ENSG00000172156	17620002;
D009151	increase	CCL2	ENSG00000108691	17720292;
D009151	increase	CCL3	ENSG00000006075	17720292;
D009151	increase	CCL4	ENSG00000129277	17720292;
D009151	increase	CCL5	ENSG00000161570	17620002;
D009151	increase	CCND2	ENSG00000118971	12884408;
D009151	increase	CD93	ENSG00000125810	11428648;
D009151	increase	CSF2	ENSG00000164400	17894541;
D009151	increase	CSF3	ENSG00000108342	17894541;
D009151	increase	CTGF	ENSG00000118523	16173061;
D009151	increase	EGF	ENSG00000138798	17266442;
D009151	increase	FAS	ENSG00000026103	16173061;12482751;
D009151	increase	FASLG	ENSG00000117560	16173061;12482751;

D009151	increase	GADD45A	ENSG00000116717	12884408;
D009151	increase	GNPDA1	ENSG00000113552	12884408;
D009151	increase	HBEGF	ENSG00000113070	16173061;
D009151	increase	IL10	ENSG00000136634	16173061;
D009151	increase	IL1A	ENSG00000115008	8603935;
D009151	increase	IL1B	ENSG00000125538	11428645;17524151;10025362;17266442;15251176;
D009151	increase	IL5	ENSG00000113525	17620002;
D009151	increase	IL6	ENSG00000136244	12753408;16173061;11766126;17524151;10025362;17266442;15251176;11428645;17510838;
D009151	increase	IL8	ENSG00000169429	12753408;16173061;10593592;17524151;15251176;11428645;12083423;10025362;17894541;17266442;1751
D009151	increase	KRT10	ENSG00000186395	9665388;11428642;
D009151	increase	KRT1	ENSG00000167768	12482751;9665388;114286
D009151	increase	MRPS18B	ENSG00000229861	12884408;
D009151	increase	NCKAP1	ENSG00000061676	12884408;
D009151	increase	ND3	ENSG00000198840	12884408;
D009151	increase	NOS2	ENSG00000007171	17964119;17524151;
D009151	increase	POMC	ENSG00000115138	8299707;
D009151	increase	PSMD6	ENSG00000163636	12884408;
D009151	increase	RPL27A	ENSG00000166441	12884408;
D009151	increase	RPS12	ENSG00000112306	12884408;
D009151	increase	SUMO2	ENSG00000188612	12884408;
D009151	increase	TGFB1	ENSG00000105329	17266442;15286001;
D009151	increase	TNF	ENSG00000223952	17524151;15868479;10025362;17266442;15251176;11428645;16173061;
D009151	increase	TOMM20	ENSG00000173726	12884408;
D009151	increase	TP53	ENSG00000141510	9665388;11428642;
D009173	decrease	MAPT	ENSG00000186868	16930453;
D009240	increase	IL1B	ENSG00000125538	12946449;
D009240	increase	IL6	ENSG00000136244	12946449;
D009240	increase	IL8	ENSG00000169429	12946449;17459229;
D009240	increase	ITGAM	ENSG00000169896	10215738;15774851;
D009240	increase	ITGB2	ENSG00000160255	10215738;
D009240	increase	PTGS2	ENSG00000073756	12946449;
D009240	increase	TNF	ENSG00000223952	12946449;
D009240	increase	VEGFA	ENSG00000112715	17520823;17377739;17459229;
D009268	increase	IL1B	ENSG00000125538	16148020;
D009268	increase	MMP13	ENSG00000137745	16148020;
D009281	decrease	BCL2	ENSG00000171791	17224139;
D009281	increase	TP53	ENSG00000141510	17224139;
D009288	increase	CCND1	ENSG00000110092	15489888;
D009288	increase	GCLC	ENSG00000001084	11909699;
D009288	increase	GCLM	ENSG00000023909	11909699;
D009288	increase	NGFR	ENSG00000064300	17409433;
D009288	increase	PTGS2	ENSG00000073756	15705740;15489888;17164136;
D009288	increase	TNF	ENSG00000223952	15489888;
D009496	increase	FOS	ENSG00000170345	17000667;

D009496	increase	FOSL1	ENSG00000175592	17000667;
D009496	increase	IL8	ENSG00000169429	17000667;
D009496	increase	JUNB	ENSG00000171223	17000667;
D009496	increase	NFKB1	ENSG00000109320	17000667;
D009496	increase	RELA	ENSG00000173039	17000667;
D009532	affect	STAT1	ENSG00000115415	19403854;
D009532	decrease	CHPT1	ENSG00000111666	19031421;
D009532	decrease	CLIP1	ENSG00000130779	19031421;
D009532	decrease	EHMT2	ENSG00000204371	16648469;
D009532	decrease	NEK4	ENSG00000114904	19031421;
D009532	decrease	UBE2A	ENSG00000077721	16870173;
D009532	increase	AURKA	ENSG00000087586	19031421;
D009532	increase	BIRC5	ENSG00000089685	19031421;
D009532	increase	BUB1B	ENSG00000156970	19031421;
D009532	increase	CCNB2	ENSG00000157456	19031421;
D009532	increase	CD86	ENSG00000114013	19033392;
D009532	increase	CDC25B	ENSG00000101224	19031421;
D009532	increase	CKS2	ENSG00000123975	19031421;
D009532	increase	FOS	ENSG00000170345	14971665;
D009532	increase	GSTA1	ENSG00000243955	14971665;
D009532	increase	HIF1A	ENSG00000100644	11504687;16877034;19403854;16386771;
D009532	increase	HMOX1	ENSG00000100292	19033392;
D009532	increase	KEAP1	ENSG00000079999	19033392;
D009532	increase	KIF2C	ENSG00000142945	19031421;
D009532	increase	MMP2	ENSG00000087245	16581223;
D009532	increase	MT2A	ENSG00000125148	14971665;
D009532	increase	NDRG1	ENSG00000104419	16386771;
D009532	increase	NEK2	ENSG00000117650	19031421;
D009532	increase	NQO1	ENSG00000181019	19033392;
D009532	increase	NUSAP1	ENSG00000137804	19031421;
D009532	increase	PAK3	ENSG00000077264	19031421;
D009532	increase	PBK	ENSG00000168078	19031421;
D009532	increase	PLK1	ENSG00000166851	19031421;
D009532	increase	PTTG1	ENSG00000164611	19031421;
D009532	increase	SERPINE1	ENSG00000106366	11504687;
D009532	increase	SMC4	ENSG00000113810	19031421;
D009532	increase	SPAG5	ENSG00000076382	19031421;
D009532	increase	TPX2	ENSG00000088325	19031421;
D009532	increase	UBE2E1	ENSG00000170142	16870173;
D009532	increase	VEGFA	ENSG00000112715	19403854;
D009536	affect	IL1A	ENSG00000115008	11031321;
D009536	affect	IL1R2	ENSG00000115590	11031321;
D009536	affect	IL1RN	ENSG00000136689	11031321;
D009536	decrease	IL6	ENSG00000136244	12727023;
D009536	increase	BAX	ENSG00000087088	16998810;
D009536	increase	CDKN1A	ENSG00000124762	12782109;
D009536	increase	INS	ENSG00000129965	16505238;
D009536	increase	MDM2	ENSG00000135679	16998810;
D009536	increase	TP53	ENSG00000141510	12782109;
D009538	decrease	AMHR2	ENSG00000135409	18247414;
D009538	decrease	BAD	ENSG00000002330	18247414;
D009538	decrease	BCL2A1	ENSG00000140379	18247414;
D009538	decrease	BRCA1	ENSG00000012048	18247414;

D009538	decrease	BTF3	ENSG00000145741	18247414;
D009538	decrease	BTK	ENSG00000010671	18247414;
D009538	decrease	C5AR1	ENSG00000197405	18247414;
D009538	decrease	CARTPT	ENSG00000164326	18247414;
D009538	decrease	CCL16	ENSG00000161573	18247414;
D009538	decrease	CCR6	ENSG00000112486	18247414;
D009538	decrease	CD4	ENSG00000010610	18247414;
D009538	decrease	CHRNA3	ENSG00000080644	12628473;
D009538	decrease	CHRNA5	ENSG00000169684	12628473;
D009538	decrease	CHRNA6	ENSG00000147434	12628473;
D009538	decrease	CHRNA7	ENSG00000175344	12628473;
D009538	decrease	CREB1	ENSG00000118260	18247414;
D009538	decrease	DEDD	ENSG00000158796	18247414;
D009538	decrease	DFFB	ENSG00000169598	18247414;
D009538	decrease	DNASE2	ENSG00000105612	18247414;
D009538	decrease	EDNRA	ENSG00000151617	18247414;
D009538	decrease	EPHA3	ENSG00000044524	18247414;
D009538	decrease	EPHB3	ENSG00000182580	18247414;
D009538	decrease	FLT3	ENSG00000122025	18247414;
D009538	decrease	FN1	ENSG00000115414	18247414;
D009538	decrease	HLTF	ENSG00000071794	18247414;
D009538	decrease	IFI6	ENSG00000126709	18247414;
D009538	decrease	IFNAR1	ENSG00000142166	18247414;
D009538	decrease	IL10	ENSG00000136634	18247414;
D009538	decrease	IL3RA	ENSG00000185291	18247414;
D009538	decrease	IL9	ENSG00000145839	18247414;
D009538	decrease	ITGAL	ENSG00000005844	18247414;
D009538	decrease	ITGB1	ENSG00000150093	11338295;
D009538	decrease	IVL	ENSG00000163207	16011614;
D009538	decrease	KLF11	ENSG00000172059	18247414;
D009538	decrease	LTB	ENSG00000236237	18247414;
D009538	decrease	MADD	ENSG00000110514	18247414;
D009538	decrease	MST1	ENSG00000173531	18247414;
D009538	decrease	NFKBIE	ENSG00000146232	18247414;
D009538	decrease	NFYB	ENSG00000120837	18247414;
D009538	decrease	NME3	ENSG00000103024	18247414;
D009538	decrease	OPRK1	ENSG00000082556	18247414;
D009538	decrease	POU2AF1	ENSG00000110777	18247414;
D009538	decrease	PSMB6	ENSG00000142507	18247414;
D009538	decrease	PTAFR	ENSG00000169403	18247414;
D009538	decrease	PTX3	ENSG00000163661	18247414;
D009538	decrease	RARG	ENSG00000172819	18247414;
D009538	decrease	RB1	ENSG00000139687	16011614;
D009538	decrease	RPL7A	ENSG00000148303	18247414;
D009538	decrease	RUNX1T1	ENSG00000079102	18247414;
D009538	decrease	S100A10	ENSG00000197747	18247414;
D009538	decrease	SLC19A1	ENSG00000173638	19616087;
D009538	decrease	SLC9A3R2	ENSG00000065054	18247414;
D009538	decrease	SOD1	ENSG00000142168	16627626;
D009538	decrease	SREBF1	ENSG00000072310	18247414;
D009538	decrease	STAT2	ENSG00000170581	18247414;
D009538	decrease	SUPT4H1	ENSG00000213246	18247414;
D009538	decrease	TFDP1	ENSG00000198176	18247414;
D009538	decrease	TNFRSF1A	ENSG00000067182	18247414;

D009538	decrease	TP53	ENSG00000141510	18247414;16011614;
D009538	decrease	UBE2I	ENSG00000103275	18247414;
D009538	decrease	VIM	ENSG00000026025	18247414;
D009538	increase	AATK	ENSG00000181409	18247414;
D009538	increase	APP	ENSG00000142192	16627626;
D009538	increase	CBL	ENSG00000110395	18247414;
D009538	increase	CCL5	ENSG00000161570	18247414;
D009538	increase	CCR5	ENSG00000160791	18247414;
D009538	increase	CCS	ENSG00000173992	16627626;
D009538	increase	CD59	ENSG00000085063	18247414;
D009538	increase	CDKN1A	ENSG00000124762	16011614;
D009538	increase	CSF2	ENSG00000164400	18082304;
D009538	increase	CYP1A1	ENSG00000140465	11849738;
D009538	increase	CYP1A2	ENSG00000140505	15916432;11849738;
D009538	increase	EPO	ENSG00000130427	18247414;
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D009538	increase	FASLG	ENSG00000117560	18247414;
D009538	increase	GDF1	ENSG00000130283	18247414;
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D009538	increase	IL1B	ENSG00000125538	18082304;
D009538	increase	IL6	ENSG00000136244	18082304;
D009538	increase	IL7	ENSG00000104432	18082304;
D009538	increase	NOS2	ENSG00000007171	18247414;
D009538	increase	PLD2	ENSG00000129219	18247414;
D009538	increase	POU2F1	ENSG00000143190	18247414;
D009538	increase	PRKAR2B	ENSG00000005249	18247414;
D009538	increase	RGS1	ENSG00000090104	18247414;
D009538	increase	RPS25	ENSG00000118181	18247414;
D009538	increase	SMAD9	ENSG00000120693	18247414;
D009538	increase	SNCA	ENSG00000145335	18247414;
D009538	increase	STK25	ENSG00000115694	18247414;
D009538	increase	TSHR	ENSG00000165409	18247414;
D009538	increase	UGP2	ENSG00000169764	18247414;
D009543	affect	BCL2	ENSG00000171791	10695937;
D009543	increase	ABCB1	ENSG00000085563	8632764;
D009543	increase	CYP3A4	ENSG00000160868	15286053;15634941;15784 650;16712844;15937564;15 618748;8632764;17954527; 16837568;
D009543	increase	FGF2	ENSG00000138685	16188231;
D009543	increase	FOS	ENSG00000170345	16188231;
D009543	increase	MYC	ENSG00000136997	10695937;
D009544	decrease	CYP19A1	ENSG00000137869	15964185;
D009569	decrease	BCL2	ENSG00000171791	15126337;
D009569	decrease	BCL2L1	ENSG00000171552	15126337;
D009569	decrease	BIRC3	ENSG00000023445	15126337;
D009569	decrease	BIRC5	ENSG00000089685	15126337;
D009569	decrease	CD86	ENSG00000114013	13678430;
D009569	decrease	EDN1	ENSG00000078401	11187978;15838368;
D009569	decrease	HIF1A	ENSG00000100644	15465035;16310922;
D009569	decrease	IL12B	ENSG00000113302	13678430;
D009569	decrease	XIAP	ENSG00000101966	15126337;
D009569	increase	ANXA5	ENSG00000164111	16024610;
D009569	increase	BBC3	ENSG00000105327	15126337;

D009569	increase	FAS	ENSG00000026103	15126337;
D009569	increase	IL8	ENSG00000169429	13678430;10619828;
D009569	increase	NOS2	ENSG00000007171	10450786;15979383;18845238;
D009569	increase	PMAIP1	ENSG00000141682	15126337;
D009569	increase	PPM1D	ENSG00000170836	15126337;
D009569	increase	TP53	ENSG00000141510	16024610;15979383;17555331;
D009569	increase	TP53I3	ENSG00000115129	15126337;
D009588	decrease	AHR	ENSG00000106546	17204746;
D009588	decrease	BRCA1	ENSG00000012048	10344722;
D009588	decrease	BRCA2	ENSG00000139618	10344722;
D009588	decrease	ERBB2	ENSG00000141736	16417271;
D009588	increase	NFE2L2	ENSG00000116044	17204746;
D009589	increase	BAX	ENSG00000087088	16041517;
D009589	increase	BCL2	ENSG00000171791	16041517;
D009589	increase	BID	ENSG00000015475	16041517;
D009589	increase	FAS	ENSG00000026103	16041517;
D009589	increase	FASLG	ENSG00000117560	16041517;
D009589	increase	JUN	ENSG00000177606	16041517;
D009589	increase	MAP3K1	ENSG00000095015	16041517;
D009589	increase	MAPK8	ENSG00000107643	16041517;
D009589	increase	MCL1	ENSG00000143384	16041517;
D009589	increase	TP53	ENSG00000141510	16041517;
D009599	decrease	BCL2	ENSG00000171791	15708893;
D009599	decrease	BIRC5	ENSG00000089685	14988404;
D009599	decrease	HIF1A	ENSG00000100644	15465035;
D009599	decrease	HSPD1	ENSG00000144381	17855661;
D009599	decrease	IFNG	ENSG00000111537	9201699;
D009599	decrease	IL4	ENSG00000113520	9201699;
D009599	decrease	MYC	ENSG00000136997	7798212;
D009599	decrease	NOS1	ENSG00000089250	17855661;
D009599	decrease	NOS3	ENSG00000164867	17855661;
D009599	decrease	PPARGC1A	ENSG00000109819	17855661;
D009599	increase	CASP3	ENSG00000164305	15708893;
D009599	increase	CASP7	ENSG00000165806	15708893;
D009599	increase	G6PD	ENSG00000160211	17018880;
D009599	increase	HMOX1	ENSG00000100292	8764571;
D009599	increase	MT1A	ENSG00000205362	17018880;
D009599	increase	MT1E	ENSG00000169715	17018880;
D009599	increase	MT1X	ENSG00000187193	17018880;
D009599	increase	MT2A	ENSG00000125148	17018880;
D009599	increase	MTF1	ENSG00000188786	17018880;
D009599	increase	SLC30A1	ENSG00000170385	17018880;
D009599	increase	TP53	ENSG00000141510	15979383;
D009602	decrease	LYNX1	ENSG00000180155	17280689;
D009602	decrease	SLURP1	ENSG00000126233	17280689;
D009637	decrease	FPR1	ENSG00000171051	17520823;17459229;
D009637	increase	CASP8	ENSG00000064012	17645780;
D009637	increase	CDH1	ENSG00000039068	18418215;
D009637	increase	CDKN2A	ENSG00000147889	18164318;
D009637	increase	FAS	ENSG00000026103	17645780;
D009637	increase	HSD11B2	ENSG00000176387	18032417;
D009637	increase	IGF1R	ENSG00000140443	18491370;

D009637	increase	IL1B	ENSG00000125538	12573452;
D009637	increase	IL8	ENSG00000169429	17459229;
D009637	increase	PTGS2	ENSG00000073756	12573452;
D009637	increase	SOD2	ENSG00000112096	8760145;
D009637	increase	TNF	ENSG00000223952	8760145;
D009637	increase	TNFRSF10B	ENSG00000120889	17645780;
D009637	increase	VEGFA	ENSG00000112715	17520823;17459229;
D009638	increase	FN1	ENSG00000115414	11821714;
D009638	increase	S100A8	ENSG00000143546	16677282;
D009638	increase	S100A9	ENSG00000163220	16677282;
D009640	affect	FSHB	ENSG00000131808	15244497;
D009640	affect	LHB	ENSG00000104826	15244497;
D009640	affect	SHBG	ENSG00000129214	10709161;
D009640	decrease	MAPT	ENSG00000186868	16930453;
D009640	decrease	SERPINC1	ENSG00000117601	14561536;
D009640	decrease	SERPINE1	ENSG00000106366	14561536;
D009640	increase	F10	ENSG00000126218	14561536;
D009640	increase	F7	ENSG00000057593	14561536;
D009640	increase	FGA	ENSG00000171560	14561536;
D009640	increase	FGB	ENSG00000171564	14561536;
D009640	increase	FGG	ENSG00000171557	14561536;
D009640	increase	PLG	ENSG00000122194	14561536;
D009640	increase	PROC	ENSG00000115718	14561536;
D009640	increase	VEGFA	ENSG00000112715	17010073;
D009641	increase	FASN	ENSG00000169710	15870863;
D009643	increase	IL1B	ENSG00000125538	16148020;
D009643	increase	MMP13	ENSG00000137745	16148020;
D009643	increase	MMP1	ENSG00000196611	16148020;
D009644	increase	KLK3	ENSG00000142515	11580929;
D009665	decrease	HIF1A	ENSG00000100644	16596621;
D009675	decrease	CDH2	ENSG00000170558	11853877;
D009675	increase	CD38	ENSG00000004468	11853877;
D009840	decrease	CCND1	ENSG00000110092	15925326;
D009840	decrease	HIF1A	ENSG00000100644	15840558;
D009840	increase	CD14	ENSG00000170458	10491287;
D009840	increase	CD38	ENSG00000004468	10491287;
D009853	affect	NR1I2	ENSG00000144852	12695340;
D009853	decrease	ABCB4	ENSG00000005471	12040753;
D009853	decrease	ADH1C	ENSG00000248144	12040753;
D009853	increase	ALDH1A3	ENSG00000184254	12040753;
D009853	increase	ALDH3A1	ENSG00000108602	12040753;
D009853	increase	CYP1A1	ENSG00000140465	11454723;12040753;17954527;15681896;12623754;11849738;15860653;128419316035375;18332078;12040753;15681896;17954527;15802389;12623754;1284193
D009853	increase	CYP1A2	ENSG00000140505	12623754;12040753;
D009853	increase	CYP1B1	ENSG00000138061	17954527;
D009853	increase	CYP2B6	ENSG00000197408	15802389;
D009853	increase	CYP2E1	ENSG00000130649	15286053;15626586;12485723;17565714;12695340;17954527;15802389;1546616
D009853	increase	CYP3A4	ENSG00000160868	16980553;
D009921	decrease	ADRB2	ENSG00000169252	17210701;
D009942	decrease	MDM2	ENSG00000135679	

D009942	decrease	MDM4	ENSG00000198625	17210701;
D009942	increase	ANXA5	ENSG00000164111	17210701;
D009942	increase	PMAIP1	ENSG00000141682	17210701;
D009942	increase	TP53	ENSG00000141510	17210701;
D010042	decrease	KCNH2	ENSG00000055118	19139152;
D010100	affect	AKT1	ENSG00000142208	18924134;
D010100	affect	BIRC5	ENSG00000089685	16628086;
D010100	affect	HSPD1	ENSG00000144381	15583868;
D010100	affect	ITGB1	ENSG00000150093	16628086;
D010100	affect	MAPK8	ENSG00000107643	19196431;10780954;
D010100	affect	MAPK9	ENSG00000050748	19196431;
D010100	decrease	NFKBIA	ENSG00000100906	17671207;11034997;
D010100	increase	ANGPT2	ENSG00000091879	10854229;
D010100	increase	BACE1	ENSG00000186318	19196431;
D010100	increase	BIRC3	ENSG00000023445	17671207;
D010100	increase	BNIP3	ENSG00000176171	17914565;
D010100	increase	CA9	ENSG00000107159	18924134;
D010100	increase	CAT	ENSG00000121691	19196431;11306437;
D010100	increase	CCND1	ENSG00000110092	17914565;
D010100	increase	CDKN1A	ENSG00000124762	19091749;10951577;
D010100	increase	CDKN1B	ENSG00000111276	17914565;
D010100	increase	CDKN1C	ENSG00000129757	17914565;
D010100	increase	DCC	ENSG00000187323	17914565;
D010100	increase	DNMT1	ENSG00000130816	18314485;
D010100	increase	E2F3	ENSG00000112242	17914565;
D010100	increase	EGR1	ENSG00000120738	17914565;
D010100	increase	FOS	ENSG00000170345	17914565;
				12062197;18924134;11424
				089;19091749;16628086;19
D010100	increase	HIF1A	ENSG00000100644	196431;18394600;1237634
				5;19542490;17671207;1205
				4621;19139008;17764071;1
D010100	increase	HSF1	ENSG00000185122	11424089;
D010100	increase	HSPB1	ENSG00000106211	15583868;17914565;
D010100	increase	IL6	ENSG00000136244	11950692;
D010100	increase	JUN	ENSG00000177606	17914565;
D010100	increase	LOX	ENSG00000113083	18924134;
D010100	increase	MDK	ENSG00000110492	17914565;
D010100	increase	MOS	ENSG00000172680	17914565;
D010100	increase	MPG	ENSG00000103152	17914565;
D010100	increase	MT1X	ENSG00000187193	17914565;
D010100	increase	MT2A	ENSG00000125148	17914565;
D010100	increase	MT3	ENSG00000087250	12763630;12058024;
D010100	increase	NOL3	ENSG00000140939	17914565;
D010100	increase	PKD1	ENSG00000152256	17671207;
D010100	increase	PLCG1	ENSG00000124181	17914565;
D010100	increase	PPP1R15A	ENSG00000087074	17914565;
D010100	increase	PRKCD	ENSG00000163932	11424089;
D010100	increase	PROM1	ENSG00000007062	18985161;
D010100	increase	RRAS	ENSG00000126458	17914565;
D010100	increase	SLC2A1	ENSG00000117394	19091749;10780954;74939
D010100	increase	STC2	ENSG00000113739	18394600;
D010100	increase	TGFA	ENSG00000163235	11171960;
D010100	increase	TP53	ENSG00000141510	10951577;

D010100	increase	VCL	ENSG00000035403	17914565; 19091749;19542490;17914
D010100	increase	VEGFA	ENSG00000112715	565;17671207;12563064;17 764071;18575727;
D010100	increase	VEGFB	ENSG00000173511	17914565;
D010100	increase	WT1	ENSG00000184937	12738801;
D010117	increase	MMP9	ENSG00000100985	19371603;
D010126	affect	PPARA	ENSG00000186951	17355223;
D010126	affect	TFAP2A	ENSG00000137203	17355223;
D010126	decrease	CFTR	ENSG00000001626	19061877;
D010126	decrease	IL5	ENSG00000113525	10226068;
D010126	decrease	TAC1	ENSG00000006128	9310018;
D010126	increase	AHR	ENSG00000106546	19536146;
D010126	increase	APP	ENSG00000142192	15513908;
D010126	increase	BRS3	ENSG00000102239	17355223;16426703;
D010126	increase	COL1A1	ENSG00000108821	9820643;
D010126	increase	COL3A1	ENSG00000168542	9820643;
D010126	increase	CYP1A1	ENSG00000140465	19536146;
D010126	increase	CYP1A2	ENSG00000140505	19536146;
D010126	increase	CYP1B1	ENSG00000138061	19536146;
D010126	increase	HMOX1	ENSG00000100292	18524839;18274635;
D010126	increase	IL1B	ENSG00000125538	15570426;7598938;
D010126	increase	IL6	ENSG00000136244	15379216;15570426;75989 38;16860297;
D010126	increase	IL8	ENSG00000169429	19059883;15379216;98206 43;16819095;9297567;1916 2161;9124608;11781168;75 98938;16860297;
D010126	increase	NQO1	ENSG00000181019	17652311;19059883;
D010126	increase	PTGS2	ENSG00000073756	9176252;15513908;
D010126	increase	SFTPA1	ENSG00000122852	15065867;14617519;11781 168;
D010126	increase	SFTPA2	ENSG00000185303	15065867;14617519;11781 168;
D010126	increase	TGFB1	ENSG00000105329	9820643;
D010126	increase	TNF	ENSG00000223952	16456144;14617519;15570 426;11781168;7598938;174 50233;19236316;15486341;
D010171	decrease	HNF4A	ENSG00000101076	17992261;
D010171	decrease	SHBG	ENSG00000129214	17992261;
D010269	decrease	BCL2L1	ENSG00000171552	15824117;
D010269	decrease	SFTPD	ENSG00000133661	17503247;
D010269	increase	APAF1	ENSG00000120868	17064354;
D010269	increase	BAX	ENSG00000087088	15824117;
D010269	increase	CASP8	ENSG00000064012	17064354;
D010269	increase	CASP9	ENSG00000132906	17064354;
D010269	increase	CTGF	ENSG00000118523	16767377;15728566;
D010269	increase	HMOX1	ENSG00000100292	17409708;15728566;16263 688;
D010269	increase	ICAM1	ENSG00000090339	10644010;
D010269	increase	JUN	ENSG00000177606	16237197;
D010269	increase	LSM1	ENSG00000175324	17064354;
D010269	increase	MT2A	ENSG00000125148	14503839;
D010269	increase	NQO1	ENSG00000181019	17409708;
D010269	increase	PARK7	ENSG00000116288	11811539;11697128;14662 519;

D010269	increase	PRDX1	ENSG00000117450	11697128;
D010269	increase	PRDX2	ENSG00000167815	11697128;
D010269	increase	PRDX3	ENSG00000165672	11697128;
D010269	increase	SCGB1A1	ENSG00000149021	17174135;
D010269	increase	SFTPA1	ENSG00000122852	17174135;
D010269	increase	SFTPB	ENSG00000168878	17174135;
D010269	increase	SMN1	ENSG00000172062	17064354;
D010269	increase	SNCA	ENSG00000145335	17934957;16239214;15234 109;12716914;
D010269	increase	SOD1	ENSG00000142168	11590119;10644010;18686 095;16738222;15824117;16 677106;
D010269	increase	SOD2	ENSG00000112096	10644010;14503839;14660 625;11306437;10969820;
D010269	increase	TGFB1	ENSG00000105329	15728566;
D010269	increase	TP53	ENSG00000141510	11369509;15162845;10969 820;
D010269	increase	VEGFA	ENSG00000112715	15728566;
D010278	increase	DVL1	ENSG00000107404	18204794;
D010278	increase	HRAS	ENSG00000174775	18204794;
D010278	increase	MCM2	ENSG00000073111	18204794;
D010278	increase	PCNA	ENSG00000132646	12762645;
D010278	increase	TP53	ENSG00000141510	12762645;19787260;
D010278	increase	TP53I3	ENSG00000115129	18204794;
D010365	increase	IL1B	ENSG00000125538	18308354;
D010365	increase	IL8	ENSG00000169429	18308354;
D010406	increase	SLC1A2	ENSG00000110436	17138558;
D010416	affect	FOS	ENSG00000170345	12724925;
D010416	affect	TP53	ENSG00000141510	12724925;
D010416	decrease	CCR5	ENSG00000160791	18486366;
D010416	decrease	CSE1L	ENSG00000124207	11064002;
D010416	decrease	XCL2	ENSG00000143185	18486366;
D010416	increase	CCL3	ENSG00000006075	18486366;
D010416	increase	CYP1A1	ENSG00000140465	8812189;12724925;
D010416	increase	CYP2B6	ENSG00000197408	15548381;
D010416	increase	CYP3A4	ENSG00000160868	15548381;
D010416	increase	CYP3A7	ENSG00000160870	8812189;
D010416	increase	DNAJB4	ENSG00000162616	18486366;
D010416	increase	ERCC3	ENSG00000163161	18486366;
D010416	increase	ERCC4	ENSG00000175595	18486366;
D010416	increase	HSP90AA1	ENSG00000080824	18486366;
D010416	increase	IL21	ENSG00000138684	18486366;
D010416	increase	LTBR	ENSG00000111321	18486366;
D010416	increase	POR	ENSG00000127948	18486366;
D010416	increase	RAD23A	ENSG00000179262	18486366;
D010416	increase	TRADD	ENSG00000102871	18486366;
D010416	increase	UGT1A10	ENSG00000242515	18486366;
D010416	increase	XRCC4	ENSG00000152422	18486366;
D010417	increase	FTH1	ENSG00000167996	17641250;
D010417	increase	HMOX1	ENSG00000100292	17641250;
D010419	decrease	FABP1	ENSG00000163586	15342952;
D010419	decrease	LSS	ENSG00000160285	15342952;
D010419	decrease	SLC2A3	ENSG00000059804	15342952;
D010419	increase	ASNS	ENSG00000070669	15342952;
D010419	increase	C10ORF10	ENSG00000165507	15342952;

D010419	increase	FNDC4	ENSG00000115226	15342952;
D010419	increase	HPN	ENSG00000105707	15342952;
D010419	increase	INHBE	ENSG00000139269	15342952;
D010419	increase	NR0B2	ENSG00000131910	15342952;
D010419	increase	NUPR1	ENSG00000176046	15342952;
D010419	increase	SERPINA3	ENSG00000196136	15342952;
D010419	increase	WIP1	ENSG00000070540	15342952;
D010424	increase	JUN	ENSG00000177606	15263067;
D010431	affect	CRYAB	ENSG00000109846	18207697;
D010431	affect	SERPINH1	ENSG00000149257	18207697;
D010431	increase	ACTA2	ENSG00000107796	18207697;
D010431	increase	COL1A1	ENSG00000108821	18207697;
D010431	increase	TNF	ENSG00000223952	7769305;
D010457	increase	BCL2A1	ENSG00000140379	15860229;
D010457	increase	CCL20	ENSG00000115009	15860229;15191912;
D010457	increase	CSF2	ENSG00000164400	12176910;15191912;12574323;
D010457	increase	CXCL5	ENSG00000163735	15860229;
D010457	increase	EHD1	ENSG00000110047	15860229;
D010457	increase	GADD45B	ENSG00000099860	15860229;
D010457	increase	ICAM1	ENSG00000090339	15860229;
D010457	increase	IL12B	ENSG00000113302	15860229;
D010457	increase	IL1A	ENSG00000115008	15860229;
D010457	increase	IL1B	ENSG00000125538	15860229;12574323;
D010457	increase	IL23A	ENSG00000110944	15860229;
D010457	increase	IL6	ENSG00000136244	15860229;
D010457	increase	IL8	ENSG00000169429	12176910;15893496;15860229;
D010457	increase	MMP1	ENSG00000196611	15860229;
D010457	increase	PTGS2	ENSG00000073756	15860229;
D010457	increase	SOD2	ENSG00000112096	15860229;
D010457	increase	TNFAIP6	ENSG00000123610	15860229;
D010457	increase	TNF	ENSG00000223952	15893496;15860229;
D010480	decrease	SLC2A3	ENSG00000059804	15342952;
D010480	decrease	TAGLN	ENSG00000149591	15342952;
D010480	increase	ASAHI	ENSG00000104763	15342952;
D010480	increase	C10ORF10	ENSG00000165507	15342952;
D010480	increase	FABP1	ENSG00000163586	15342952;
D010480	increase	FNDC4	ENSG00000115226	15342952;
D010480	increase	GDPD3	ENSG00000102886	15342952;
D010480	increase	HPN	ENSG00000105707	15342952;
D010480	increase	LSS	ENSG00000160285	15342952;
D010480	increase	NR0B2	ENSG00000131910	15342952;
D010480	increase	SERPINA3	ENSG00000196136	15342952;
D010480	increase	WIP1	ENSG00000070540	15342952;
D010628	decrease	PTGS2	ENSG00000073756	14592552;
D010634	affect	CYP7A1	ENSG00000167910	15629111;
D010634	affect	IL6	ENSG00000136244	10700573;
D010634	affect	TNF	ENSG00000223952	10700573;
D010634	decrease	GSTA1	ENSG00000243955	7986210;
D010634	decrease	GSTM1	ENSG00000134184	7986210;
D010634	increase	ABCB1	ENSG00000085563	18408562;19409404;18094037;8632764;
D010634	increase	CES1	ENSG00000198848	10640517;

D010634	increase	CES2	ENSG00000172831	10640517;
D010634	increase	CYP1A1	ENSG00000140465	19409404;16354159;
D010634	increase	CYP1A2	ENSG00000140505	15272053;
D010634	increase	CYP2A6	ENSG00000198077	11038160;16857725;15629111;15448115;
D010634	increase	CYP2B6	ENSG00000197408	12695351;12870655;14977870;18332078;18094037;17954527;15802389;15629111;15548381;15448115;
D010634	increase	CYP2C19	ENSG00000165841	17304159;16789993;15629111;
D010634	increase	CYP2C9	ENSG00000138109	17304159;15629111;15802389;
D010634	increase	CYP3A4	ENSG00000160868	12695340;10219967;14977870;12065438;18094037;16837568;17954527;15802389;15629111;12505310;15833926;15466163;12673034;8632764;10640517;1554838
D010634	increase	CYP3A5	ENSG00000106258	10696073;15629111;
D010634	increase	NR1I2	ENSG00000144852	12695351;12695340;15039302;14977870;12065438;15548381;
D010634	increase	NR1I3	ENSG00000143257	15272053;12695351;
D010634	increase	NR3C1	ENSG00000113580	12695351;10219967;12673034;
D010653	increase	CCND1	ENSG00000110092	15489888;
D010653	increase	CYP3A4	ENSG00000160868	10219967;9512926;
D010653	increase	NR3C1	ENSG00000113580	10219967;
D010653	increase	PTGS2	ENSG00000073756	15489888;
D010653	increase	TNF	ENSG00000223952	10328874;15489888;
D010654	increase	CDKN1A	ENSG00000124762	10866311;18223691;16875574;
D010654	increase	IFNG	ENSG00000111537	10866311;
D010656	affect	GDF15	ENSG00000130513	19505289;
D010656	increase	CAV3	ENSG00000182533	12847114;
D010656	increase	CDKN1A	ENSG00000124762	10766810;
D010656	increase	EDN1	ENSG00000078401	12724418;
D010656	increase	EP300	ENSG00000100393	12724418;
D010656	increase	FN1	ENSG00000115414	11821714;
D010656	increase	GATA4	ENSG00000136574	12724418;
D010656	increase	MMP9	ENSG00000100985	16574429;
D010656	increase	MYH7	ENSG00000092054	12847114;
D010656	increase	TGFB1	ENSG00000105329	11821714;
D010670	decrease	FOS	ENSG00000170345	18003792;
D010670	increase	CASP9	ENSG00000132906	16447258;
D010670	increase	PPARA	ENSG00000186951	16447258;
D010670	increase	RELA	ENSG00000173039	16447258;
D010672	affect	BCL2	ENSG00000171791	11134551;10695937;
D010672	affect	IL6	ENSG00000136244	10700573;
D010672	affect	NR1I3	ENSG00000143257	15123723;15849716;
D010672	affect	TNF	ENSG00000223952	10700573;
D010672	decrease	AFP	ENSG00000081051	14741686;
D010672	decrease	BMP1	ENSG00000168487	14741686;
D010672	decrease	CAPN5	ENSG00000149260	14741686;
D010672	decrease	CCND1	ENSG00000110092	14741686;

D010672	decrease	CDKN1A	ENSG00000124762	14741686;
D010672	decrease	COL1A1	ENSG00000108821	8971655;
D010672	decrease	DAPK2	ENSG00000035664	14741686;
D010672	decrease	FRS3	ENSG00000137218	14741686;
D010672	decrease	GSTK1	ENSG00000250907	14741686;
D010672	decrease	GSTO1	ENSG00000148834	14741686;
D010672	decrease	IL1B	ENSG00000125538	8971655;9029455;
D010672	decrease	ITGA2	ENSG00000164171	15948689;
D010672	decrease	ITGB1	ENSG00000150093	15948689;
D010672	decrease	MMP2	ENSG00000087245	15948689;
D010672	decrease	MMP3	ENSG00000149968	15948689;
D010672	decrease	PLAUR	ENSG00000011422	14741686;
D010672	decrease	PLXNB2	ENSG00000196576	14741686;
D010672	decrease	STAT4	ENSG00000138378	14741686;
D010672	decrease	VEGFB	ENSG00000173511	14741686;
D010672	increase	CASP10	ENSG00000003400	14741686;
D010672	increase	COL6A1	ENSG00000142156	8224229;
D010672	increase	COL6A2	ENSG00000142173	8224229;
D010672	increase	COL6A3	ENSG00000163359	8224229;
D010672	increase	CTSB	ENSG00000164733	10914799;14741686;
D010672	increase	CTSL1	ENSG00000135047	10914799;
D010672	increase	CYP2B6	ENSG00000197408	12695351;18206661;15123 723;14977870;18332078;17 954527;
D010672	increase	CYP2C9	ENSG00000138109	11503012;16873909;98600 67;16220110;11740344;114 34505;10208645;14659971; 15855726;2025243;911036 2;11234294;10850388;1051 0154;11668218;14600250;
D010672	increase	CYP2E1	ENSG00000130649	18206661;
D010672	increase	CYP3A4	ENSG00000160868	18206661;12695340;10219 967;16207822;14977870;95 12926;12065438;18332078; 16837568;17954527;12673 034;12505310;15466163;
D010672	increase	CYP3A5	ENSG00000106258	12673034;
D010672	increase	CYP3A7	ENSG00000160870	12673034;
D010672	increase	DAP3	ENSG00000132676	14741686;
D010672	increase	EOMES	ENSG00000163508	14741686;
D010672	increase	FGFR2	ENSG00000066468	11352631;
D010672	increase	FLRT2	ENSG00000185070	14741686;
D010672	increase	GSTA1	ENSG00000243955	11134551;
D010672	increase	ITGA8	ENSG00000077943	14741686;
D010672	increase	LPIN1	ENSG00000134324	14741686;
D010672	increase	MAP1B	ENSG00000131711	14741686;
D010672	increase	MDK	ENSG00000110492	14741686;
D010672	increase	MMP1	ENSG00000196611	15948689;14741686;10914 799;
D010672	increase	MYC	ENSG00000136997	10695937;
D010672	increase	NFKB1	ENSG00000109320	10700573;14741686;
D010672	increase	NR1I2	ENSG00000144852	12695351;14600250;12695 340;15039302;14977870;12 065438;
D010672	increase	NR3C1	ENSG00000113580	12695351;10219967;12673 034;

D010672	increase	PDGFB	ENSG00000100311	9029455;8463938;
D010672	increase	PIP4K2A	ENSG00000150867	14741686;
D010672	increase	PRSS12	ENSG00000164099	14741686;
D010672	increase	RPL28	ENSG00000108107	14741686;
D010672	increase	S100A4	ENSG00000196154	14741686;
D010672	increase	SC5DL	ENSG00000109929	14741686;
D010672	increase	SP3	ENSG00000172845	14741686;
D010672	increase	TIMP1	ENSG00000102265	10914799;15948689;
D010672	increase	TP53	ENSG00000141510	11134551;
D010672	increase	UGT1A1	ENSG00000241635	15849716;10421657;
D010693	increase	CYP1A1	ENSG00000140465	17177569;
D010710	affect	AKT1	ENSG00000142208	16763222;
D010710	increase	DMP1	ENSG00000152592	20185895;
				14988389;15827108;15917
				335;16011465;15838626;15
				613425;16352682;1627262
D010710	increase	FGF23	ENSG00000118972	8;16369891;15284207;1596
				1556;15995295;15248822;1
				1409890;15086938;146331
D010710	increase	MKNK1	ENSG00000079277	16763222;
D010710	increase	PHEX	ENSG00000102174	16011465;15542045;
D010712	increase	PTGS2	ENSG00000073756	15210717;
D010716	affect	MAPK1	ENSG00000100030	19013290;
D010716	affect	MAPK3	ENSG00000102882	19013290;
D010716	increase	APOA1	ENSG00000118137	19013290;
D010758	affect	CPT1A	ENSG00000110090	17715259;
D010758	affect	EDNRB	ENSG00000136160	17715259;
D010758	affect	IL11	ENSG00000095752	17715259;
D010758	affect	IL6	ENSG00000136244	17715259;
D010758	affect	NR4A1	ENSG00000123358	17715259;
D010758	affect	NR4A2	ENSG00000153234	17715259;
D010758	affect	PEX11A	ENSG00000166821	17715259;
D010758	decrease	APOE	ENSG00000130203	17715259;
D010758	decrease	CPN2	ENSG00000178772	17715259;
D010758	decrease	CTDSPL	ENSG00000144677	17715259;
D010758	decrease	CYP1B1	ENSG00000138061	17715259;
D010758	decrease	CYP2B6	ENSG00000197408	17715259;
D010758	decrease	GHRHR	ENSG00000106128	17715259;
D010758	decrease	IL1B	ENSG00000125538	17715259;
D010758	decrease	IL1F5	ENSG00000136695	17715259;
D010758	decrease	IL1RN	ENSG00000136689	17715259;
D010758	decrease	IL24	ENSG00000162892	17715259;
D010758	decrease	IL8	ENSG00000169429	17715259;
D010758	decrease	NCOR1	ENSG00000141027	17715259;
D010758	decrease	POSTN	ENSG00000133110	17715259;
D010758	decrease	RGS4	ENSG00000117152	17715259;
D010758	decrease	SERPINE1	ENSG00000106366	17715259;
D010758	decrease	THBS1	ENSG00000137801	17715259;
D010758	decrease	TNFRSF11B	ENSG00000164761	17715259;
D010758	increase	AADAC	ENSG00000114771	17715259;
D010758	increase	ALB	ENSG00000163631	17715259;
D010758	increase	ALPL	ENSG00000162551	17715259;
D010758	increase	B4GALT1	ENSG00000086062	17715259;
D010758	increase	BMP4	ENSG00000125378	17715259;

D010758	increase	CD14	ENSG00000170458	17715259;
D010758	increase	CES1	ENSG00000198848	17715259;
D010758	increase	COL15A1	ENSG00000204291	17715259;
D010758	increase	COL1A1	ENSG00000108821	17715259;
D010758	increase	CP	ENSG00000047457	17715259;
D010758	increase	CRIP1	ENSG00000213145	17715259;
D010758	increase	CST1	ENSG00000170373	17715259;
D010758	increase	CYP24A1	ENSG00000019186	17715259;
D010758	increase	DTNA	ENSG00000134769	17715259;
D010758	increase	FABP3	ENSG00000121769	17715259;
D010758	increase	FBLN2	ENSG00000163520	17715259;
D010758	increase	FGF23	ENSG00000118972	15356053;12419819;
D010758	increase	ID3	ENSG00000117318	17715259;
D010758	increase	MAP4	ENSG00000047849	17715259;
D010758	increase	MAPK13	ENSG00000156711	17715259;
D010758	increase	MCAM	ENSG00000076706	17715259;
D010758	increase	MFI2	ENSG00000163975	17715259;
D010758	increase	MGP	ENSG00000111341	17715259;
D010758	increase	MRPL33	ENSG00000243147	17715259;
D010758	increase	PTGS1	ENSG00000095303	17715259;
D010758	increase	PTGS2	ENSG00000073756	17715259;
D010758	increase	RARRES1	ENSG00000118849	17715259;
D010758	increase	SMC3	ENSG00000108055	17715259;
D010758	increase	SOD3	ENSG00000109610	17715259;
D010758	increase	SON	ENSG00000159140	17715259;
D010758	increase	SPIB	ENSG00000142539	17715259;
D010758	increase	SPP1	ENSG00000118785	17715259;
D010758	increase	TGFB3	ENSG00000119699	17715259;
D010758	increase	THBD	ENSG00000178726	17715259;
D010758	increase	TNXB	ENSG00000168477	17715259;
D010758	increase	TPR	ENSG00000047410	17715259;
D010758	increase	TREM1	ENSG00000124731	17715259;
D010758	increase	VDR	ENSG00000111424	17715259;
D010833	affect	PRKCD	ENSG00000163932	15868430;
D010833	decrease	CDKN1B	ENSG00000111276	15868430;
D010833	increase	TP53	ENSG00000141510	16357363;
D010847	decrease	GSTA1	ENSG00000243955	7986210;
D010847	decrease	GSTM1	ENSG00000134184	7986210;
D010853	increase	IL1B	ENSG00000125538	18854230;17429439;
D010853	increase	IL4	ENSG00000113520	18854230;
D010869	decrease	ADRB2	ENSG00000169252	2175014;
D010869	increase	ADRB1	ENSG00000043591	2175014;
D010882	increase	IFNG	ENSG00000111537	10414782;
D010882	increase	IL4	ENSG00000113520	10414782;
D010890	increase	CD40	ENSG00000101017	16879495;
D010894	decrease	CYP19A1	ENSG00000137869	15964185;
D010894	increase	TNF	ENSG00000223952	10328874;
D010936	affect	CRP	ENSG00000132693	17884346;
D010936	affect	GADD45A	ENSG00000116717	12878215;
D010936	affect	HSP90AA1	ENSG00000080824	12878215;
D010936	affect	HSPB1	ENSG00000106211	12878215;
D010936	affect	IL1A	ENSG00000115008	17884346;
D010936	affect	IL1B	ENSG00000125538	17884346;
D010936	affect	MDM2	ENSG00000135679	12878215;

D010936	affect	NR1I2	ENSG00000144852	12695340;15627040;17210444;
D010936	affect	ODC1	ENSG00000115758	12878215;
D010936	affect	PTCH1	ENSG00000185920	12878215;
D010936	decrease	ARHGAP4	ENSG00000089820	15465739;
D010936	decrease	BCL2L1	ENSG00000171552	17619071;
D010936	decrease	BCR	ENSG00000186716	15465739;
D010936	decrease	BRCC3	ENSG00000185515	15465739;
D010936	decrease	CASP3	ENSG00000164305	16962711;17619071;
D010936	decrease	CCNA2	ENSG00000145386	15327971;
D010936	decrease	CCR2	ENSG00000121807	12462994;
D010936	decrease	CCR3	ENSG00000183625	12462994;
D010936	decrease	CCR5	ENSG00000160791	12462994;
D010936	decrease	CD79A	ENSG00000105369	15465739;
D010936	decrease	CDK2	ENSG00000123374	15327971;
D010936	decrease	CDK6	ENSG00000105810	15930460;
D010936	decrease	CEBPG	ENSG00000153879	15465739;
D010936	decrease	DCT	ENSG00000080166	17473463;
D010936	decrease	E2F1	ENSG00000101412	15327971;
D010936	decrease	FLT3LG	ENSG00000090554	15465739;
D010936	decrease	FTH1	ENSG00000167996	15465739;
D010936	decrease	GSTP1	ENSG00000084207	15465739;
D010936	decrease	HSPD1	ENSG00000144381	15465739;
D010936	decrease	IL2	ENSG00000109471	12878215;12412711;19761891;
D010936	decrease	IL8	ENSG00000169429	16243974;
D010936	decrease	IRF4	ENSG00000137265	15465739;
D010936	decrease	MAP2K1	ENSG00000169032	15465739;
D010936	decrease	NPM1	ENSG00000181163	15465739;
D010936	decrease	PARP1	ENSG00000143799	15465739;19168119;17619071;
D010936	decrease	RAC1	ENSG00000136238	15465739;
D010936	decrease	RBL1	ENSG00000080839	15327971;
D010936	decrease	RPL6	ENSG00000089009	15465739;
D010936	decrease	STAT1	ENSG00000115415	15465739;
D010936	decrease	TCF3	ENSG00000071564	15465739;
D010936	decrease	TK1	ENSG00000167900	15465739;
D010936	decrease	TOP1	ENSG00000198900	15465739;
D010936	decrease	TOP2A	ENSG00000131747	15465739;
D010936	decrease	VEGFA	ENSG00000112715	14666653;
D010936	decrease	XCL1	ENSG00000143184	15465739;
D010936	decrease	XRCC1	ENSG00000073050	15465739;
D010936	increase	ABCB1	ENSG00000085563	15729621;18425719;15627040;18439772;
D010936	increase	ABCC1	ENSG00000103222	15465739;18351577;
D010936	increase	ABCC2	ENSG00000023839	15729621;18351577;
D010936	increase	APP	ENSG00000142192	16962711;
D010936	increase	BAT2	ENSG00000204469	15465739;
D010936	increase	BAX	ENSG00000087088	18834353;12878215;16962711;17619071;
D010936	increase	BCL2	ENSG00000171791	16962711;
D010936	increase	BIRC2	ENSG00000110330	12878215;18841906;
D010936	increase	BIRC3	ENSG00000023445	12878215;18841906;
D010936	increase	BSG	ENSG00000172270	15465739;
D010936	increase	CASP10	ENSG00000003400	18351577;

D010936	increase	CD81	ENSG00000110651	15465739;
D010936	increase	CDKN1A	ENSG00000124762	12878215;15327971;18834353;
D010936	increase	CHST3	ENSG00000122863	18351577;
D010936	increase	CSF2RB	ENSG00000100368	15465739;
D010936	increase	CYP1A1	ENSG00000140465	19794518;17177569;15560888;15629189;
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D010936	increase	CYP1B1	ENSG00000138061	19794518;
D010936	increase	CYP24A1	ENSG00000019186	18351577;
D010936	increase	CYP2D6	ENSG00000100197	15025748;15930738;15974642;15900287;15992226;15629189;
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D010936	increase	EPO	ENSG00000130427	18351577;
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D010936	increase	GCLC	ENSG00000001084	11864778;
D010936	increase	GRN	ENSG00000030582	15465739;
D010936	increase	GSTA4	ENSG00000170899	18351577;
D010936	increase	GSTT2	ENSG00000133433	18351577;
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D010936	increase	IL4	ENSG00000113520	15465739;
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D010936	increase	IRF2	ENSG00000168310	15465739;
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D010936	increase	ITGAL	ENSG00000005844	15465739;
D010936	increase	LPL	ENSG00000175445	15975614;
D010936	increase	MIF	ENSG00000240972	15465739;
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D010936	increase	NFKB2	ENSG00000077150	18351577;
D010936	increase	NFKBIB	ENSG00000104825	18351577;
D010936	increase	NOS1	ENSG00000089250	16962711;
D010936	increase	NOS2	ENSG00000007171	16962711;18841906;
D010936	increase	NOS3	ENSG00000164867	17278969;
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D010936	increase	PTPN6	ENSG00000111679	18351577;

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D010936	increase	SLC20A1	ENSG00000144136	15465739;
D010936	increase	SOD1	ENSG00000142168	16962711;
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D010972	increase	OLR1	ENSG00000173391	16386258;
D010972	increase	PTAFR	ENSG00000169403	16386258;
D010972	increase	PTGS1	ENSG00000095303	16386258;
D010972	increase	PTGS2	ENSG00000073756	16386258;
D010972	increase	SELE	ENSG00000007908	16386258;
D010972	increase	TIMP4	ENSG00000157150	16386258;
D010972	increase	TNF	ENSG00000223952	16386258;
D010984	increase	GSTP1	ENSG00000084207	15788669;16814760;
D011034	decrease	MAPT	ENSG00000186868	16930453;
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D011070	increase	CD86	ENSG00000114013	17698565;
D011070	increase	EIF2AK2	ENSG00000055332	17669408;
D011070	increase	IFNB1	ENSG00000171855	17669408;18779317;
D011070	increase	IL8	ENSG00000169429	18779317;17669408;
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D011070	increase	TLR2	ENSG00000137462	17669408;
D011070	increase	TLR3	ENSG00000164342	17669408;18779317;
D011070	increase	TLR7	ENSG00000196664	17669408;
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D011078	decrease	HSD3B2	ENSG00000203859	16650473;
D011078	decrease	ID3	ENSG00000117318	16474171;
D011078	decrease	JUP	ENSG00000173801	16474171;
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D011078	decrease	L1CAM	ENSG00000198910	16474171;
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D011078	decrease	NEDD9	ENSG00000111859	16474171;
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D011078	increase	CYP1B1	ENSG00000138061	16474171;
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D011084	decrease	RB1	ENSG00000139687	16002475;
D011084	increase	AHR	ENSG00000106546	16650473;
D011084	increase	AHRR	ENSG00000063438	12655030;
D011084	increase	CDKN1A	ENSG00000124762	16002475;
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D011084	increase	CYP1A1	ENSG00000140465	15801491;15917149;11967 624;15278913;16002475;15 720126;
D011084	increase	CYP1A2	ENSG00000140505	15824912;
D011084	increase	CYP1B1	ENSG00000138061	15122594;15471096;15278 913;16002475;15720126;
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D011084	increase	FOSL1	ENSG00000175592	16002475;
D011084	increase	IL11	ENSG00000095752	16002475;
D011084	increase	IL1A	ENSG00000115008	16002475;
D011084	increase	IL6	ENSG00000136244	16002475;
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D011134	increase	CD80	ENSG00000121594	15894585;
D011134	increase	CD83	ENSG00000112149	15894585;
D011134	increase	CD86	ENSG00000114013	15894585;
D011134	increase	ICAM1	ENSG00000090339	15894585;
D011134	increase	IL10	ENSG00000136634	15894585;
D011134	increase	IL12A	ENSG00000168811	15894585;
D011134	increase	IL12B	ENSG00000113302	15894585;
D011143	decrease	ANGPT1	ENSG00000154188	12809767;
D011188	decrease	KCNH2	ENSG00000055118	19419905;17624316;19139 152;15618689;16960444;15 679475;
D011188	increase	CYP11B2	ENSG00000179142	12193581;9139807;
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D011192	decrease	AKR1B1	ENSG00000085662	17547211;
D011192	decrease	ATP2B1	ENSG00000070961	17547211;
D011192	decrease	AZGP1	ENSG00000160862	17547211;
D011192	decrease	C14ORF1	ENSG00000133935	17547211;
D011192	decrease	CALR	ENSG00000179218	17547211;
D011192	decrease	CFB	ENSG00000243570	17547211;
D011192	decrease	CLGN	ENSG00000153132	17547211;

D011192	decrease	CLPTM1	ENSG00000104853	17547211;
D011192	decrease	CRYAA	ENSG00000160202	17547211;
D011192	decrease	CX3CL1	ENSG00000006210	17547211;
D011192	decrease	F5	ENSG00000198734	17547211;
D011192	decrease	FURIN	ENSG00000140564	17547211;
D011192	decrease	GGCX	ENSG00000115486	17547211;
D011192	decrease	GPER	ENSG00000164850	17547211;
D011192	decrease	HMGCR	ENSG00000113161	17547211;
D011192	decrease	IL17RB	ENSG00000056736	17547211;
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D011192	decrease	NUCB2	ENSG00000070081	17547211;
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D011192	decrease	PDIA4	ENSG00000155660	17547211;
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D011192	decrease	PGF	ENSG00000119630	17547211;
D011192	decrease	PNMA1	ENSG00000176903	17547211;
D011192	decrease	REPIN1	ENSG00000214022	17547211;
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D011192	decrease	SERPINC1	ENSG00000117601	17547211;
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D011192	decrease	TOB1	ENSG00000141232	17547211;
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D011192	increase	ADM	ENSG00000148926	17547211;
D011192	increase	ANXA2	ENSG00000182718	17547211;
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D011192	increase	HMOX1	ENSG00000100292	16775837;
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D011224	increase	CYP1A1	ENSG00000140465	15627480;
D011239	decrease	IL4	ENSG00000113520	15821026;
D011239	decrease	IL5	ENSG00000113525	15821026;
D011239	increase	CYP3A4	ENSG00000160868	12673034;
D011239	increase	HPGD	ENSG00000164120	15680906;
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D011319	increase	CYP1B1	ENSG00000138061	12623754;
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D011341	increase	SELE	ENSG00000007908	16769766;
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D011341	increase	VCAM1	ENSG00000162692	16769766;
D011342	increase	HSD11B2	ENSG00000176387	15489962;
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D011345	decrease	CRP	ENSG00000132693	16123850;
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D011345	decrease	PPARA	ENSG00000186951	15299082;16569247;
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D011345	increase	CCL2	ENSG00000108691	16600694;
D011345	increase	CYP7A1	ENSG00000167910	14685799;
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D011345	increase	SREBF2	ENSG00000198911	14685799;
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D011374	decrease	ABCC6	ENSG00000091262	18070364;
D011374	decrease	ABHD11	ENSG00000249672	18037150;
D011374	decrease	ACPP	ENSG00000014257	17404688;
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D011374	decrease	AKAP8	ENSG00000105127	18037150;
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D011433	increase	FN1	ENSG00000115414	11821714;
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D011691	increase	CYP1A1	ENSG00000140465	15385644;
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D011719	decrease	GSTA1	ENSG00000243955	7986210;
D011719	decrease	GSTM1	ENSG00000134184	7986210;
D011720	increase	IL2	ENSG00000109471	11592964;
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D011794	affect	CYCS	ENSG00000172115	16059641;
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D011794	affect	MAPK13	ENSG00000156711	15221776;
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D011794	decrease	BCR	ENSG00000186716	14715546;
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D011794	decrease	CLDN10	ENSG00000134873	15309432;
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D011794	decrease	EGF	ENSG00000138798	15135307;16619521;12469199;
D011794	decrease	EGR1	ENSG00000120738	15309432;
D011794	decrease	EPHX1	ENSG00000143819	17639512;
D011794	decrease	EPHX2	ENSG00000120915	17639512;
D011794	decrease	ERBB3	ENSG00000065361	15741050;
D011794	decrease	ESR1	ENSG00000091831	16118406;15185748;14706564;15182386;9751507;15937998;11502892;
D011794	decrease	F3	ENSG00000117525	12871381;
D011794	decrease	FABP6	ENSG00000170231	17639512;
D011794	decrease	FASN	ENSG00000169710	19729006;
D011794	decrease	FBP1	ENSG00000165140	18331776;
D011794	decrease	FGL2	ENSG00000127951	15309432;
D011794	decrease	FMO1	ENSG00000010932	17639512;
D011794	decrease	FMO5	ENSG00000131781	17639512;
D011794	decrease	FN1	ENSG00000115414	15309432;
D011794	decrease	G0S2	ENSG00000123689	17639512;
D011794	decrease	GALNT1	ENSG00000141429	15309432;
D011794	decrease	GDF15	ENSG00000130513	15309432;
D011794	decrease	GLS	ENSG00000115419	17639512;
D011794	decrease	GLUD2	ENSG00000182890	15221776;
D011794	decrease	GPOR	ENSG00000164850	15090535;15309432;
D011794	decrease	GRB14	ENSG00000115290	15309432;
D011794	decrease	GRPEL1	ENSG00000109519	15221776;
D011794	decrease	GSK3A	ENSG00000105723	16968065;
D011794	decrease	GSK3B	ENSG00000082701	16968061;16968065;
D011794	decrease	GTF2H1	ENSG00000110768	17639512;
D011794	decrease	H1FX	ENSG00000184897	15309432;
D011794	decrease	HBG2	ENSG00000196565	15221776;
D011794	decrease	HDC	ENSG00000140287	17191106;17191019;
D011794	decrease	HEPH	ENSG00000089472	17639512;
D011794	decrease	HIST1H2AC	ENSG00000180573	15309432;
D011794	decrease	HMGCS1	ENSG00000112972	19729006;
D011794	decrease	HNRPD1	ENSG00000152795	15309432;
D011794	decrease	HRAS	ENSG00000174775	10652438;
D011794	decrease	HSPA1B	ENSG00000232804	15221776;
D011794	decrease	IDI1	ENSG00000067064	19729006;

D011794	decrease	IFNGR2	ENSG00000159128	15309432;
D011794	decrease	IL1R1	ENSG00000115594	15309432;
D011794	decrease	IL2	ENSG00000109471	19761891;
D011794	decrease	IL4R	ENSG00000077238	15309432;
D011794	decrease	KEAP1	ENSG00000079999	17462537;
D011794	decrease	KIAA1751	ENSG00000142609	15221776;
D011794	decrease	KIF15	ENSG00000163808	15221776;
D011794	decrease	KIF20B	ENSG00000138182	15309432;
D011794	decrease	KLK2	ENSG00000167751	11238180;
D011794	decrease	KRAS	ENSG00000133703	19424582;10652438;
D011794	decrease	LEF1	ENSG00000138795	17148581;
D011794	decrease	LGALS3BP	ENSG00000108679	15309432;
D011794	decrease	LMNA	ENSG00000160789	15221776;
D011794	decrease	LMNB1	ENSG00000113368	15221776;
D011794	decrease	MAD2L1	ENSG00000164109	15309432;
D011794	decrease	MAP2K4	ENSG00000065559	15309432;
D011794	decrease	MAP3K12	ENSG00000139625	15309432;
D011794	decrease	MAP4K1	ENSG00000104814	15309432;
D011794	decrease	MDM2	ENSG00000135679	17973296;
D011794	decrease	MEP1A	ENSG00000112818	17639512;
D011794	decrease	MLL	ENSG00000118058	15309432;17468513;
D011794	decrease	MRPL13	ENSG00000172172	15221776;
D011794	decrease	MST1	ENSG00000173531	17639512;
D011794	decrease	MYB	ENSG00000118513	14715546;
D011794	decrease	MYD88	ENSG00000172936	19729006;
D011794	decrease	MYO1A	ENSG00000166866	17639512;
D011794	decrease	NCOA1	ENSG00000084676	15309432;
D011794	decrease	NDUFA4	ENSG00000189043	15309432;
D011794	decrease	NDUFS1	ENSG00000023228	15221776;
D011794	decrease	NFKBIA	ENSG00000100906	19557821;18982426;17588 137;17184768;18852136;
D011794	decrease	NIN	ENSG00000100503	15221776;
D011794	decrease	NKX3-1	ENSG00000167034	11238180;
D011794	decrease	NME4	ENSG00000103202	15309432;15221776;
D011794	decrease	NOS2	ENSG00000007171	12144868;17184768;
D011794	decrease	NOS3	ENSG00000164867	16891912;15740983;
D011794	decrease	NRAS	ENSG00000213281	10652438;
D011794	decrease	NT5E	ENSG00000135318	17643826;
D011794	decrease	ODC1	ENSG00000115758	11238180;
D011794	decrease	P4HB	ENSG00000185624	15221776;
D011794	decrease	PA2G4	ENSG00000170515	15221776;
D011794	decrease	PAX8	ENSG00000125618	15309432;
D011794	decrease	PCNA	ENSG00000132646	14715546;
D011794	decrease	PDK2	ENSG00000005882	15309432;
D011794	decrease	PKM2	ENSG00000067225	15221776;
D011794	decrease	PKP2	ENSG00000057294	15309432;
D011794	decrease	POLA1	ENSG00000101868	15309432;
D011794	decrease	POLD2	ENSG00000106628	15309432;
D011794	decrease	PPP1R1A	ENSG00000135447	15309432;
D011794	decrease	PPP2R4	ENSG00000119383	15309432;
D011794	decrease	PSCA	ENSG00000167653	18331776;
D011794	decrease	RALA	ENSG00000006451	15309432;
D011794	decrease	RARB	ENSG00000077092	15309432;
D011794	decrease	RBM3	ENSG00000102317	15309432;

D011794	decrease	RBM4	ENSG00000173933	15221776;
D011794	decrease	RBMS1	ENSG00000153250	15309432;
D011794	decrease	RBMS2	ENSG00000076067	15309432;
D011794	decrease	RELB	ENSG00000104856	15309432;
D011794	decrease	RGN	ENSG00000130988	15309432;
D011794	decrease	RGS7	ENSG00000182901	15309432;
D011794	decrease	RQCD1	ENSG00000144580	15309432;
D011794	decrease	RSAD2	ENSG00000134321	19729006;
D011794	decrease	S100G	ENSG00000169906	17639512;
D011794	decrease	S100P	ENSG00000163993	15309432;
D011794	decrease	SAMD9	ENSG00000205413	19729006;
D011794	decrease	SART1	ENSG00000175467	15309432;
D011794	decrease	SDHC	ENSG00000143252	15309432;15221776;
D011794	decrease	SEMA3C	ENSG00000075223	19729006;
D011794	decrease	SERPINE1	ENSG00000106366	17379280;
D011794	decrease	SFRP1	ENSG00000104332	15309432;
D011794	decrease	SIAH1	ENSG00000196470	15309432;
D011794	decrease	SIAH2	ENSG00000181788	15309432;
D011794	decrease	SI	ENSG00000090402	17639512;
D011794	decrease	SMAD5	ENSG00000113658	15309432;
D011794	decrease	STAT1	ENSG00000115415	16077199;15309432;
D011794	decrease	STAT2	ENSG00000170581	16797527;
D011794	decrease	STMN1	ENSG00000117632	15221776;
D011794	decrease	SULT2A1	ENSG00000105398	17639512;
D011794	decrease	TCEB2	ENSG00000103363	15309432;
D011794	decrease	TCF7	ENSG00000081059	17148581;
D011794	decrease	TCF7L2	ENSG00000148737	19440933;
D011794	decrease	TF	ENSG00000091513	16507316;17639512;
D011794	decrease	TFF2	ENSG00000160181	17639512;
D011794	decrease	THBS1	ENSG00000137801	19729006;
D011794	decrease	TMPRSS6	ENSG00000187045	17639512;
D011794	decrease	TNNC1	ENSG00000114854	19729006;
D011794	decrease	TSPAN3	ENSG00000140391	15309432;
D011794	decrease	TYMS	ENSG00000176890	16573383;
D011794	decrease	UGT2B15	ENSG00000196620	17639512;
D011794	decrease	VRK2	ENSG00000028116	15309432;
D011794	decrease	WWTR1	ENSG00000018408	17639512;
D011794	decrease	XPNPEP2	ENSG00000122121	17639512;
D011794	decrease	ZFP161	ENSG00000198081	15309432;
D011794	decrease	ZW10	ENSG00000086827	15309432;
D011794	increase	ABCB1	ENSG00000085563	15112361;15969930;15266218;16059641;18283591;18624906;
D011794	increase	ABCC1	ENSG00000103222	16156793;16004972;15041478;15670588;11836020;
D011794	increase	ABCG2	ENSG00000118777	17077187;18624906;
D011794	increase	ACADVL	ENSG00000072778	15221776;
D011794	increase	ADAM12	ENSG00000148848	15309432;
D011794	increase	AGER	ENSG00000204305	19557821;
D011794	increase	AHR	ENSG00000106546	17077187;19286049;19299563;14644660;15169886;19794518;19034627;
D011794	increase	AK3L1	ENSG00000162433	19729006;

D011794	increase	AKT1	ENSG00000142208	16059641;19464278;16619521;19244381;16794257;15741050;17973296;15829497;14715546;
D011794	increase	ALDOA	ENSG00000149925	17292933;
D011794	increase	ANXA1	ENSG00000135046	15221776;17639512;
D011794	increase	ANXA2	ENSG00000182718	15221776;
D011794	increase	ANXA5	ENSG00000164111	18377872;
D011794	increase	APC	ENSG00000134982	14715546;
D011794	increase	AR	ENSG00000169083	15661808;11238180;16239064;12391264;
D011794	increase	ARF3	ENSG00000134287	17292933;
D011794	increase	ARHGDIB	ENSG00000111348	17639512;
D011794	increase	ATF3	ENSG00000162772	17639512;
D011794	increase	AURKB	ENSG00000178999	17639512;
D011794	increase	BAD	ENSG00000002330	14767529;
D011794	increase	BAK1	ENSG00000030110	16280456;
D011794	increase	BAX	ENSG00000087088	15975156;17652743;12672908;16280456;17876056;16059641;16049707;1661953
D011794	increase	BIRC3	ENSG00000023445	17639512;
D011794	increase	BIRC5	ENSG00000089685	18377872;19440933;14988404;
D011794	increase	BMP1	ENSG00000168487	15309432;
D011794	increase	BMP2	ENSG00000125845	16996034;
D011794	increase	BNIP3	ENSG00000176171	19729006;
D011794	increase	BPTF	ENSG00000171634	19729006;
D011794	increase	BRCA1	ENSG00000012048	14715546;
D011794	increase	BRCA2	ENSG00000139618	15309432;
D011794	increase	BRDT	ENSG00000137948	15309432;
D011794	increase	BUB1B	ENSG00000156970	15309432;
D011794	increase	BUB1	ENSG00000169679	17639512;
D011794	increase	CASP3	ENSG00000164305	15975156;15583868;19464278;18385095;15795422;12672908;17929310;16280456;18377872;17876056;18563345;18787224;19397994;15741050;18331776;14767529;16049707;18980244;
D011794	increase	CASP7	ENSG00000165806	18787224;14767529;
D011794	increase	CAV1	ENSG00000105974	17876056;18385095;
D011794	increase	CCL2	ENSG00000108691	17103373;18489909;16794257;17880982;17191019;
D011794	increase	CCND1	ENSG00000110092	17148581;12589822;18787224;19440933;15309432;18323654;12469199;1471554
D011794	increase	CCND2	ENSG00000118971	14715546;17639512;
D011794	increase	CCNE1	ENSG00000105173	12589822;12934110;
D011794	increase	CD40	ENSG00000101017	16601352;
D011794	increase	CDC6	ENSG00000094804	15309432;17639512;
D011794	increase	CDH11	ENSG00000140937	15309432;
D011794	increase	CDH2	ENSG00000170558	15309432;
D011794	increase	CDK2	ENSG00000123374	12589822;11322924;14715546;
D011794	increase	CDK4	ENSG00000135446	12589822;15309432;14715546;
D011794	increase	CDK8	ENSG00000132964	14715546;

D011794	increase	CDKN1A	ENSG00000124762	16059641;11790449;16280456;12934110;11322924;14715546;19397994;18323654;19009557;16049707;1258
D011794	increase	CDKN1B	ENSG00000111276	11322924;15829497;
D011794	increase	CDKN1C	ENSG00000129757	14715546;
D011794	increase	CDKN2C	ENSG00000123080	18331776;
D011794	increase	CEBPB	ENSG00000172216	11779194;
D011794	increase	CEBPD	ENSG00000221869	11779194;
D011794	increase	CFL1	ENSG00000172757	17292933;
D011794	increase	CIT	ENSG00000122966	17639512;
D011794	increase	CLDN4	ENSG00000189143	18492835;
D011794	increase	COL1A1	ENSG00000108821	19814765;
D011794	increase	CREBBP	ENSG00000005339	14715546;
D011794	increase	CRP	ENSG00000132693	18184041;17388968;17184768;
D011794	increase	CTNNA1	ENSG00000044115	15309432;
D011794	increase	CTSD	ENSG00000117984	15090535;
D011794	increase	CUL4B	ENSG00000158290	14715546;
D011794	increase	CXCL10	ENSG00000169245	17103373;
D011794	increase	CYP19A1	ENSG00000137869	16023337;16965912;15319488;
D011794	increase	CYP1A1	ENSG00000140465	15760569;19766177;15618000;14633740;17177569;16271822;18456490;19794518;17639512;
D011794	increase	CYP1A2	ENSG00000140505	16544949;10620351;12949046;15916432;19034627;
D011794	increase	CYP1B1	ENSG00000138061	16271822;17637178;19794518;
D011794	increase	CYP3A4	ENSG00000160868	12695340;15266218;19766177;16442130;11502731;
D011794	increase	DARS	ENSG00000115866	19729006;
D011794	increase	DDIT3	ENSG00000175197	19428936;
D011794	increase	DDIT4	ENSG00000168209	19729006;
D011794	increase	DEFA1	ENSG00000240247	19814765;
D011794	increase	DENR	ENSG00000139726	19729006;
D011794	increase	DLGAP5	ENSG00000126787	17639512;
D011794	increase	EDN1	ENSG00000078401	11755377;18234130;
D011794	increase	EDNRB	ENSG00000136160	15309432;
D011794	increase	EFEMP1	ENSG00000115380	15309432;
D011794	increase	EGLN3	ENSG00000129521	17639512;
D011794	increase	EIF4A1	ENSG00000161960	17292933;
D011794	increase	EMP1	ENSG00000134531	17639512;
D011794	increase	EMP3	ENSG00000142227	17639512;
D011794	increase	ENO1	ENSG00000074800	17292933;
D011794	increase	EPAS1	ENSG00000116016	17973296;
D011794	increase	EPO	ENSG00000130427	19729006;
D011794	increase	ERBB2	ENSG00000141736	15741050;14715546;
D011794	increase	ERP29	ENSG00000089248	17292933;
D011794	increase	ESR2	ENSG00000140009	16118406;14706564;15182386;11502892;9751507;15937998;18937077;16596234;18955141;
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D011794	increase	FBLN2	ENSG00000163520	15309432;

D011794	increase	FCGR2B	ENSG00000072694	15309432;
D011794	increase	FGF7	ENSG00000140285	15309432;
D011794	increase	FH	ENSG00000091483	17292933;
D011794	increase	FOS	ENSG00000170345	15090535;18982426;
D011794	increase	FPR2	ENSG00000171049	15309432;
D011794	increase	FZD2	ENSG00000180340	17639512;
D011794	increase	GABPB2	ENSG00000143458	15309432;
D011794	increase	GADD45A	ENSG00000116717	16211300;
D011794	increase	GADD45B	ENSG00000099860	18331776;
D011794	increase	GATA1	ENSG00000102145	10656287;
D011794	increase	GBE1	ENSG00000114480	19729006;
D011794	increase	GCLC	ENSG00000001084	11864778;
D011794	increase	GCLM	ENSG00000023909	19576171;
D011794	increase	GIPC1	ENSG00000123159	15309432;
D011794	increase	GLO1	ENSG00000124767	17292933;
D011794	increase	GNA15	ENSG00000060558	15309432;
D011794	increase	GNB2L1	ENSG00000204628	15221776;17292933;
D011794	increase	GPI	ENSG00000105220	19729006;
D011794	increase	GSTA1	ENSG00000243955	12756216;17639512;
D011794	increase	GYS1	ENSG00000104812	15309432;
D011794	increase	HEBP2	ENSG00000051620	17292933;
D011794	increase	HIF1A	ENSG00000100644	17364964;17973296;19729006;11424089;12054621;
D011794	increase	HK2	ENSG00000159399	15661808;
D011794	increase	HMBS	ENSG00000149397	10656287;
D011794	increase	HMOX1	ENSG00000100292	19576171;17210444;16799064;
D011794	increase	HNRNPA2B	ENSG00000122566	17292933;
D011794	increase	HNRNPH3	ENSG00000096746	17292933;
D011794	increase	HOOK2	ENSG00000095066	15221776;
D011794	increase	HSF1	ENSG00000185122	11424089;
D011794	increase	HSF4	ENSG00000102878	15309432;
D011794	increase	HSP90B1	ENSG00000166598	15221776;
D011794	increase	HSPA1A	ENSG00000232804	17639512;
D011794	increase	HSPA5	ENSG00000044574	19428936;15221776;
D011794	increase	HSPB1	ENSG00000106211	15583868;17639512;
D011794	increase	HSPE1	ENSG00000115541	17292933;
D011794	increase	ICAM1	ENSG00000090339	18982426;15113938;18489909;15322261;14628445;17880982;
D011794	increase	IER3	ENSG00000137331	17639512;
D011794	increase	IFNG	ENSG00000111537	12431781;
D011794	increase	IL1A	ENSG00000115008	17929310;
D011794	increase	IL1B	ENSG00000125538	19557821;12871381;18982426;19367675;15180920;17103373;17388968;18958421;17588137;15309432;
D011794	increase	IL4	ENSG00000113520	12789233;12431781;
D011794	increase	IL5	ENSG00000113525	12789233;16797527;
D011794	increase	IL6	ENSG00000136244	18184041;16426496;17388968;18958421;17588137;11893605;17191106;167975217717114;18184041;15180920;17884996;16794257;18958421;17588137;1530943
D011794	increase	IL8	ENSG00000169429	

D011794	increase	IMMT	ENSG00000132305	15221776;
D011794	increase	INS	ENSG00000129965	16505238;
D011794	increase	IQCF1	ENSG00000173389	15221776;
D011794	increase	ITGA6	ENSG00000091409	15309432;
D011794	increase	ITGB2	ENSG00000160255	17103373;
D011794	increase	JUN	ENSG00000177606	15795422;18982426;18628248;10620351;
D011794	increase	KIF23	ENSG00000137807	17639512;
D011794	increase	KLC4	ENSG00000137171	19729006;
D011794	increase	KLK3	ENSG00000142515	11238180;15661808;12391264;
D011794	increase	KRT1	ENSG00000167768	17292933;
D011794	increase	KRT20	ENSG00000171431	15309432;
D011794	increase	LGALS1	ENSG00000100097	17639512;
D011794	increase	MAFF	ENSG00000185022	17639512;
D011794	increase	MALT1	ENSG00000172175	17639512;
D011794	increase	MAPK1	ENSG00000100030	18377872;19464278;11414687;19557821;19367675;17103373;12589822;18628248;16996034;10718847;18419748;18346843;17379280;15090535;18377872;19464278;11414687;19557821;19367675;17103373;12589822;18628248;16996034;10718847;18419748;16059641;17379280;18346843;
D011794	increase	MAPK3	ENSG00000102882	17639512;
D011794	increase	MCM4	ENSG00000104738	15090535;
D011794	increase	MEN1	ENSG00000133895	19729006;
D011794	increase	MIF	ENSG00000240972	15309432;
D011794	increase	MITF	ENSG00000187098	17639512;
D011794	increase	MKI67	ENSG00000148773	11414687;12724357;
D011794	increase	MMP1	ENSG00000196611	15725655;17639512;
D011794	increase	MMP7	ENSG00000137673	15135307;12589822;19804834;18628248;
D011794	increase	MMP9	ENSG00000100985	14715546;
D011794	increase	MSH2	ENSG00000095002	10656621;
D011794	increase	MT2A	ENSG00000125148	19729006;
D011794	increase	MTMR15	ENSG00000198690	15309432;
D011794	increase	MUC2	ENSG00000198788	17639512;
D011794	increase	MYBL2	ENSG00000101057	15670774;16948901;15309432;
D011794	increase	MYC	ENSG00000136997	15221776;
D011794	increase	MYO5A	ENSG00000197535	17103373;19450372;
D011794	increase	NCF1	ENSG00000158517	19729006;
D011794	increase	NDRG1	ENSG00000104419	17292933;
D011794	increase	NEDD8	ENSG00000129559	10656287;
D011794	increase	NFE2	ENSG00000123405	19576171;17462537;16799064;
D011794	increase	NFE2L2	ENSG00000116044	11275421;
D011794	increase	NQO1	ENSG00000181019	19651184;
D011794	increase	OGG1	ENSG00000114026	16891912;17639512;
D011794	increase	OLR1	ENSG00000173391	15309432;
D011794	increase	OMG	ENSG00000126861	15309432;
D011794	increase	P2RY2	ENSG00000175591	15221776;
D011794	increase	PAFAH1B1	ENSG00000007168	

D011794	increase	PARP1	ENSG00000143799	16280456;18377872;17876056;17884996;18787224;15741050;16059641;
D011794	increase	PBRM1	ENSG00000163939	15221776;
D011794	increase	PDK4	ENSG00000004799	15309432;
D011794	increase	PEBP1	ENSG00000089220	17292933;
D011794	increase	PFKFB3	ENSG00000170525	19729006;
D011794	increase	PFKP	ENSG00000067057	19729006;
D011794	increase	PGAM1	ENSG00000171314	17292933;
D011794	increase	PGK1	ENSG00000102144	19729006;
D011794	increase	PHLDA1	ENSG00000139289	17639512;
D011794	increase	PHLDA2	ENSG00000181649	17639512;
D011794	increase	PI4KA	ENSG00000249793	15309432;
D011794	increase	PITX2	ENSG00000164093	15309432;
D011794	increase	PLA2G16	ENSG00000176485	17639512;
D011794	increase	PLAT	ENSG00000104368	18419748;11236827;
D011794	increase	PLAU	ENSG00000122861	11236827;12724357;
D011794	increase	PLK1	ENSG00000166851	17639512;
D011794	increase	PON1	ENSG00000005421	15169886;
D011794	increase	PPIA	ENSG00000196262	17292933;
D011794	increase	PRDX1	ENSG00000117450	17292933;
D011794	increase	PRDX2	ENSG00000167815	17292933;
D011794	increase	PRDX4	ENSG00000123131	15221776;
D011794	increase	PRKCQ	ENSG00000065675	15309432;
D011794	increase	PTEN	ENSG00000171862	14715546;15829497;
D011794	increase	PTGFRN	ENSG00000134247	19729006;
D011794	increase	PTGS2	ENSG00000073756	12144868;19557821;12672646;17103373;10783318;19804834;14988445;15225597;15155531;17184768;1092
D011794	increase	RAB3B	ENSG00000169213	17639512;
D011794	increase	RAD54B	ENSG00000197275	17639512;
D011794	increase	RB1	ENSG00000139687	14767529;19009557;16049707;14715546;
D011794	increase	RGS1	ENSG00000090104	15309432;
D011794	increase	RIT2	ENSG00000152214	15309432;
D011794	increase	ROCK1	ENSG00000067900	15221776;
D011794	increase	RPA3	ENSG00000106399	16797527;
D011794	increase	RUNX2	ENSG00000250096	16996034;
D011794	increase	RXRG	ENSG00000249671	15309432;
D011794	increase	S100B	ENSG00000160307	17103373;
D011794	increase	SELE	ENSG00000007908	15113938;
D011794	increase	SELP	ENSG00000174175	14628445;
D011794	increase	SERPINB3	ENSG00000057149	15309432;
D011794	increase	SERPINB9	ENSG00000170542	15309432;
D011794	increase	SFN	ENSG00000175793	18331776;
D011794	increase	SH3BP2	ENSG00000087266	15309432;
D011794	increase	SOD1	ENSG00000142168	15782287;10656621;18686095;
D011794	increase	SOD2	ENSG00000112096	18852136;
D011794	increase	SP1	ENSG00000185591	18419748;18377872;15661808;18980244;18852136;
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D011794	increase	STC1	ENSG00000159167	19729006;
D011794	increase	STK17B	ENSG00000081320	17639512;

D011794	increase	SUB1	ENSG00000113387	15309432;
D011794	increase	TAF9	ENSG00000085231	15309432;
D011794	increase	TFF1	ENSG00000160182	15090535;14706564;
D011794	increase	TFRC	ENSG00000072274	17364964;
D011794	increase	TGFA	ENSG00000163235	10783318;
D011794	increase	TGFB1	ENSG00000105329	17086741;17639512;
D011794	increase	TGFBR2	ENSG00000163513	14715546;
D011794	increase	THBS2	ENSG00000186340	15309432;
D011794	increase	TIMP1	ENSG00000102265	11414687;11506819;
D011794	increase	TIMP2	ENSG00000035862	11506819;15309432;
D011794	increase	TM4SF1	ENSG00000169908	17639512;
D011794	increase	TMEM45A	ENSG00000181458	19729006;
D011794	increase	TNF	ENSG00000223952	19557821;17929310;17103
				373;15113938;16794257;12
D011794	increase	TNFRSF10B	ENSG00000120889	589822;12871381;1848990
				9;15322261;14628445;1895
D011794	increase	TNFRSF11B	ENSG00000164761	8421;17588137;17880982;
D011794	increase	TNFRSF1B	ENSG00000028137	17876056;18980244;
D011794	increase	TNFRSF10	ENSG00000121858	15309432;
D011794	increase	TP53BP2	ENSG00000143514	15309432;
D011794	increase	TP53	ENSG00000141510	18323654;11522280;15795
				422;19424582;16948901;16
D011794	increase	TP53I3	ENSG00000115129	720314;14715546;1797329
D011794	increase	TP63	ENSG00000073282	18331776;19397994;
D011794	increase	TP73	ENSG00000078900	18331776;19397994;
D011794	increase	TPI1	ENSG00000111669	17292933;
D011794	increase	TRIB3	ENSG00000101255	17639512;
D011794	increase	TSC1	ENSG00000165699	14715546;
D011794	increase	TSC2	ENSG00000103197	14715546;
D011794	increase	TSFM	ENSG00000123297	15309432;15221776;
D011794	increase	TSG101	ENSG00000074319	15309432;
D011794	increase	TUFM	ENSG00000178952	17292933;
D011794	increase	UGT1A10	ENSG00000242515	14557274;17639512;
D011794	increase	UGT1A1	ENSG00000241635	12756216;11442279;14557
				274;
D011794	increase	UGT1A6	ENSG00000167165	18094037;
D011794	increase	UGT1A9	ENSG00000241119	14557274;17639512;
D011794	increase	VCAM1	ENSG00000162692	15113938;18489909;17880
				982;
D011794	increase	VDAC1	ENSG00000213585	17292933;
D011794	increase	VEGFA	ENSG00000112715	19005980;19729006;12469
				199;17973296;
D011794	increase	VHL	ENSG00000134086	17973296;14715546;
D011794	increase	VIPR1	ENSG00000114812	15309432;
D011794	increase	WEE1	ENSG00000166483	16280456;
D011794	increase	WSB1	ENSG00000109046	19729006;
D011794	increase	ZNF165	ENSG00000197279	17639512;
D011794	increase	ZNF624	ENSG00000197566	15221776;
D011802	decrease	SLC2A3	ENSG00000059804	17567588;15342952;
D011802	decrease	TAGLN	ENSG00000149591	17567588;
D011802	increase	ASNS	ENSG00000070669	15342952;

D011802	increase	C10ORF10	ENSG00000165507	17567588;
D011802	increase	FABP1	ENSG00000163586	17567588;
D011802	increase	INHBE	ENSG00000139269	15342952;
D011802	increase	NUPR1	ENSG00000176046	17567588;
D011804	increase	CCNB1	ENSG00000134057	15826604;
D011899	affect	GUSB	ENSG00000169919	11238657;
D011899	affect	IL6	ENSG00000136244	11238657;
D011899	decrease	IL12A	ENSG00000168811	9819373;
D011899	decrease	IL12B	ENSG00000113302	9819373;
D011899	increase	IFNG	ENSG00000111537	10569698;
D011929	increase	ABCB1	ENSG00000085563	18385176;
D012110	increase	ABCB1	ENSG00000085563	10617675;8632764;
D012110	increase	CYP1A1	ENSG00000140465	15627480;
D012110	increase	CYP3A4	ENSG00000160868	16837568;8632764;
D012110	increase	CYP3A5	ENSG00000106258	8632764;
D012172	decrease	BTC	ENSG00000174808	16470170;
D012172	increase	AREG	ENSG00000205595	16470170;
D012172	increase	CYP26A1	ENSG00000095596	17526768;
D012172	increase	HBEGF	ENSG00000113070	16470170;
D012176	decrease	MMP1	ENSG00000196611	16055107;
D012176	decrease	TERT	ENSG00000164362	16482212;
D012176	increase	CDKN2D	ENSG00000129355	16582618;
D012176	increase	CYP17A1	ENSG00000148795	15914525;
D012176	increase	ELN	ENSG00000049540	16055107;
D012176	increase	FBN1	ENSG00000166147	16055107;
D012176	increase	MUC1	ENSG00000185499	11287445;
D012176	increase	PLAT	ENSG00000104368	7556191;
D012176	increase	STAR	ENSG00000147465	15914525;
D012254	increase	SLC6A4	ENSG00000108576	16476009;
D012256	decrease	CRP	ENSG00000132693	16517955;
D012293	decrease	ABCA1	ENSG00000165029	15883047;
D012293	decrease	CYP7A1	ENSG00000167910	15629111;
D012293	decrease	PPARA	ENSG00000186951	16292757;
D012293	decrease	SCARB1	ENSG00000073060	15883047;
D012293	increase	ABCB1	ENSG00000085563	15964336;17191263;18094037;15710169;14722322;17003290;8632764;
D012293	increase	ABCC1	ENSG00000103222	11836020;17191263;
D012293	increase	ABCC2	ENSG00000023839	15652233;12206135;11836020;
D012293	increase	ABCG1	ENSG00000160179	12040753;
D012293	increase	ADH1C	ENSG00000248144	12040753;
D012293	increase	CES1	ENSG00000198848	10640517;
D012293	increase	CES2	ENSG00000172831	10640517;
D012293	increase	CYP1A1	ENSG00000140465	10923861;19409404;12040753;
D012293	increase	CYP1A2	ENSG00000140505	10923861;15977188;17590308;
D012293	increase	CYP24A1	ENSG00000019186	15630458;
D012293	increase	CYP2A6	ENSG00000198077	16857725;15629111;14709624;
D012293	increase	CYP2B6	ENSG00000197408	12695351;14977870;18332078;17954527;15802389;12040753;15629111;18094037;15548381;14709624;

D012293	increase	CYP2C19	ENSG00000165841	16985168;15629111;17954527;14709624;
D012293	increase	CYP2C8	ENSG00000138115	15771232;15933212;17954527;12040753;
D012293	increase	CYP2C9	ENSG00000138109	14600250;16985168;14722322;15919766;15802389;17954527;15629111;17590308;14709624;
D012293	increase	CYP2E1	ENSG00000130649	18071298;
D012293	increase	CYP3A4	ENSG00000160868	16146350;12695340;10219967;15964336;16985168;12417264;16632523;18332078;12065438;14977870;9512926;17270371;15771232;14636322;14722322;18094037;15554232;12642470;12673034;15855724;15802389;15769886;12040753;16565514;15977188;15629111;16837568;17954527;15681896;15833926;15710169;15075359;15466163;12505310;14600250;17590308;15548381;18632764;10640517;1470912673034;15629111;15681896;12040753;
D012293	increase	CYP3A5	ENSG00000106258	12673034;
D012293	increase	CYP3A7	ENSG00000160870	15670600;
D012293	increase	NR0B2	ENSG00000131910	12695351;15670600;14600250;12695340;15705662;14977870;15864135;15933212;15849716;15883047;15630458;15833926;16857725;12417264;16632523;18692084;15802384;15885729;14636322;16565514;15548381;12065438;19249324;18098034;
D012293	increase	NR1I2	ENSG00000144852	12695351;10219967;12673034;
D012293	increase	NR3C1	ENSG00000113580	16632523;16292757;
D012293	increase	RXRA	ENSG00000186350	15670600;15652233;
D012293	increase	SLCO1B1	ENSG00000134538	16292757;
D012293	increase	UGDH	ENSG00000109814	15849716;15104253;15771232;18098064;
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D012293	increase	UGT1A6	ENSG00000167165	7986210;
D012294	decrease	GSTM1	ENSG00000134184	7986210;
D012294	increase	GSTA1	ENSG00000243955	19763263;
D012402	affect	HAX1	ENSG00000143575	16565515;
D012402	decrease	ACAD9	ENSG00000177646	17651460;
D012402	decrease	ARL2	ENSG00000213465	17596522;
D012402	decrease	CDH1	ENSG00000039068	19019832;
D012402	decrease	CP	ENSG00000047457	8902626;
D012402	decrease	FAS	ENSG00000026103	15086456;17651460;
D012402	decrease	FN1	ENSG00000115414	16565515;
D012402	decrease	HSPA9	ENSG00000113013	16930453;
D012402	decrease	MAPT	ENSG00000186868	17651460;
D012402	decrease	TNFRSF11B	ENSG00000164761	17596522;
D012402	increase	ACTA2	ENSG00000107796	8833408;
D012402	increase	ANPEP	ENSG00000166825	

D012402	increase	APAF1	ENSG00000120868	17064354;
D012402	increase	ATF4	ENSG00000128272	19233273;
D012402	increase	ATM	ENSG00000149311	18191903;
D012402	increase	ATP5E	ENSG00000124172	18191903;
D012402	increase	ATP5G3	ENSG00000154518	18191903;
D012402	increase	ATP5I	ENSG00000169020	18191903;
D012402	increase	ATP5J	ENSG00000154723	18191903;
D012402	increase	ATP5L	ENSG00000167283	18191903;
D012402	increase	ATP5O	ENSG00000241837	18191903;
D012402	increase	ATR	ENSG00000175054	18191903;
D012402	increase	ATXN3	ENSG00000066427	18191903;
D012402	increase	BACE1	ENSG00000186318	19196431;
D012402	increase	BARD1	ENSG00000138376	18191903;
D012402	increase	BCL2	ENSG00000171791	12730627;16815102;
D012402	increase	BECN1	ENSG00000126581	18032788;
D012402	increase	BIRC3	ENSG00000023445	17671207;
D012402	increase	BRCA1	ENSG00000012048	18191903;
D012402	increase	BRCA2	ENSG00000139618	18191903;
D012402	increase	CAT	ENSG00000121691	15904944;
D012402	increase	CCND1	ENSG00000110092	15897899;
D012402	increase	CCNH	ENSG00000134480	18191903;
D012402	increase	CD14	ENSG00000170458	10491287;
D012402	increase	CD38	ENSG00000004468	10491287;8833408;
D012402	increase	CDKN1A	ENSG00000124762	19091749;
D012402	increase	CHEK1	ENSG00000149554	18191903;
D012402	increase	CNOT7	ENSG00000198791	18191903;
D012402	increase	COX4I1	ENSG00000131143	18191903;
D012402	increase	COX5A	ENSG00000178741	18191903;
D012402	increase	COX5B	ENSG00000135940	18191903;
D012402	increase	COX7A2	ENSG00000112695	18191903;
D012402	increase	COX7B	ENSG00000131174	18191903;
D012402	increase	DDIT3	ENSG00000175197	12111836;19233273;
D012402	increase	EIF2S1	ENSG00000134001	19233273;
D012402	increase	EXO1	ENSG00000174371	18191903;
D012402	increase	FANCA	ENSG00000187741	18191903;
D012402	increase	FANCC	ENSG00000158169	18191903;
D012402	increase	FANCD2	ENSG00000144554	18191903;
D012402	increase	FANCE	ENSG00000112039	18191903;
D012402	increase	FANCF	ENSG00000183161	18191903;
D012402	increase	FANCG	ENSG00000221829	18191903;
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D012402	increase	HTRA2	ENSG00000115317	19763263;
D012402	increase	HUS1	ENSG00000136273	18191903;
D012402	increase	ICAM1	ENSG00000090339	12952965;
D012402	increase	IDH3A	ENSG00000166411	19763263;
D012402	increase	IL6	ENSG00000136244	11950692;
D012402	increase	IL8	ENSG00000169429	12208513;
D012402	increase	MRE11A	ENSG00000020922	18191903;
D012402	increase	MRPS9	ENSG00000135972	18191903;
D012402	increase	MSR1	ENSG00000038945	9614211;
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D012402	increase	MUS81	ENSG00000172732	18191903;

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D012402	increase	NDUFA6	ENSG00000184983	18191903;
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D012402	increase	NDUFB1	ENSG00000183648	18191903;
D012402	increase	NDUFB2	ENSG00000090266	18191903;
D012402	increase	NDUFB3	ENSG00000119013	18191903;
D012402	increase	NDUFB4	ENSG00000065518	18191903;
D012402	increase	NDUFB5	ENSG00000136521	18191903;
D012402	increase	NDUFB6	ENSG00000165264	18191903;
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D012402	increase	NDUFS4	ENSG00000164258	18191903;
D012402	increase	NDUFS6	ENSG00000145494	18191903;
D012402	increase	NDUFS8	ENSG00000110717	18191903;
D012402	increase	NUDT1	ENSG00000106268	18191903;
D012402	increase	PARK7	ENSG00000116288	18377993;18331584;
D012402	increase	PDHB	ENSG00000168291	19763263;
D012402	increase	PDK1	ENSG00000152256	17671207;
D012402	increase	POLA1	ENSG00000101868	18191903;
D012402	increase	POLE2	ENSG00000100479	18191903;
D012402	increase	PPID	ENSG00000171497	18614807;
D012402	increase	PRKAA1	ENSG00000132356	17651460;
D012402	increase	PROM1	ENSG00000007062	18985161;
D012402	increase	RAD17	ENSG00000152942	18191903;
D012402	increase	RAD18	ENSG00000070950	18191903;
D012402	increase	RAD1	ENSG00000113456	18191903;
D012402	increase	RAD50	ENSG00000113522	18191903;
D012402	increase	RAD51AP1	ENSG00000111247	18191903;
D012402	increase	RAD51	ENSG00000051180	18191903;
D012402	increase	RAD54B	ENSG00000197275	18191903;
D012402	increase	RAD9A	ENSG00000172613	18191903;
D012402	increase	RFC4	ENSG00000163918	18191903;
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D012402	increase	SMN1	ENSG00000172062	17064354;
D012402	increase	SNAI1	ENSG00000124216	17596522;
D012402	increase	SNCA	ENSG00000145335	16239214;19114014;15114 628;17131421;17041725;18 514418;12151787;
D012402	increase	SOD2	ENSG00000112096	15904944;18032788;
D012402	increase	SREBF1	ENSG00000072310	17651460;
D012402	increase	TK2	ENSG00000166548	16565515;
D012402	increase	TP53	ENSG00000141510	18191903;
D012402	increase	UBE2N	ENSG00000177889	18191903;
D012402	increase	UQCRB	ENSG00000156467	18191903;
D012402	increase	UQCRC1	ENSG00000010256	18191903;
D012402	increase	VDAC1	ENSG00000213585	18802751;
D012402	increase	VEGFA	ENSG00000112715	19091749;19542490;17671 207;
D012413	decrease	KCNH2	ENSG00000055118	19139152;
D012428	decrease	MDM2	ENSG00000135679	17210701;

D012428	decrease	MDM4	ENSG00000198625	17210701;
D012428	increase	ANXA5	ENSG00000164111	17210701;
D012428	increase	PMAIP1	ENSG00000141682	17210701;
D012428	increase	TP53	ENSG00000141510	17210701;
D012430	affect	MMP1	ENSG00000196611	17508023;
D012431	affect	BAX	ENSG00000087088	15975156;
D012431	decrease	BCL2	ENSG00000171791	15975156;19557821;
D012431	decrease	NFKBIA	ENSG00000100906	19557821;
D012431	increase	AGER	ENSG00000204305	19557821;
D012431	increase	IL1B	ENSG00000125538	19557821;18958421;
D012431	increase	IL6	ENSG00000136244	18958421;
D012431	increase	IL8	ENSG00000169429	18958421;
D012431	increase	PTGS2	ENSG00000073756	19557821;
D012431	increase	TNF	ENSG00000223952	19557821;18958421;
D012435	decrease	COL1A1	ENSG00000108821	15983038;
D012435	decrease	COL1A2	ENSG00000164692	15983038;
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D012436	decrease	COL1A2	ENSG00000164692	15983038;
D012459	decrease	MMP7	ENSG00000137673	15725655;
D012460	decrease	IL1B	ENSG00000125538	15955209;
D012460	decrease	IL8	ENSG00000169429	15955209;
D012460	decrease	RELA	ENSG00000173039	15955209;
D012631	increase	JUN	ENSG00000177606	15263067;
D012642	increase	CASP3	ENSG00000164305	12880480;
D012642	increase	PARK2	ENSG00000185345	12880480;
D012642	increase	SNCA	ENSG00000145335	15114628;12880480;
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D012643	decrease	ALCAM	ENSG00000170017	19244175;
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D012643	decrease	AMY2A	ENSG00000243480	19244175;
D012643	decrease	ANGPT1	ENSG00000154188	19244175;
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D012643	decrease	ANKRA2	ENSG00000164331	19244175;
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D012643	decrease	APC	ENSG00000134982	19244175;
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D012643	decrease	ARG2	ENSG00000081181	19244175;
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D012643	increase	TNK1	ENSG00000174292	19244175;
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D012643	increase	TSC2	ENSG00000103197	19244175;
D012643	increase	TSPAN14	ENSG00000108219	19244175;
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D012643	increase	TSTA3	ENSG00000104522	19244175;

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D012645	affect	DUSP3	ENSG00000108861	17222674;
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D012645	affect	ECSIT	ENSG00000130159	17222674;
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D012645	increase	IL8	ENSG00000169429	14572605;
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D012701	affect	IL6	ENSG00000136244	15802305;
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D012822	increase	MINA	ENSG00000170854	15897898;
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D012839	decrease	IFNG	ENSG00000111537	10883730;
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D013015	decrease	ASNS	ENSG00000070669	15342952;
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D013148	increase	CYP3A4	ENSG00000160868	12505310;
D013185	increase	PON1	ENSG00000005421	14500290;
D013196	affect	AGR2	ENSG00000106541	17094431;
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D013196	affect	DHCR24	ENSG00000116133	17094431;
D013196	affect	NTS	ENSG00000133636	17094431;
D013196	decrease	ACPP	ENSG00000014257	12391264;
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D013196	increase	ADAM9	ENSG00000168615	17342749;
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				14579009;11861976;15483 189;15840436;12676605;16 107550;11861974;1237798 2;15336702;16169144;1453 2843;17342749;17526768;1 5466214;10402478;106967 76;16125883;17980950;146 28596;15064155;9182867;1 4751673;11956172;108752 57;16111029;15994348;970 5896;12730620;11985887;1 6857237;11222873;109109 98;16266977;17804755;172 18635;16893599;18487222; 16648561;16020486;16951 154;12391264;12711008;12 368053;15171712;1018819 3;11861975;16621434;9846 162;16877366;18922931;18 324645;11241555;1749999
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D013196	increase	CCL2	ENSG00000108691	15647840;
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D013196	increase	CD40	ENSG00000101017	17254854;
D013196	increase	CD83	ENSG00000112149	15647840;
D013196	increase	CDK2	ENSG00000123374	16631469;
D013196	increase	CHPF	ENSG00000123989	15466214;
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D013196	increase	FOS	ENSG00000170345	16631469;
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D013196	increase	GDF15	ENSG00000130513	16496412;
D013196	increase	GREB1	ENSG00000196208	17254854;
D013196	increase	HOXD11	ENSG00000128713	16317058;
D013196	increase	ICAM1	ENSG00000090339	16541417;
D013196	increase	ID1	ENSG00000125968	16541417;
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D013196	increase	ID3	ENSG00000117318	16541417;
D013196	increase	ID4	ENSG00000172201	16368782;
D013196	increase	IGF1	ENSG00000017427	18491370;
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D013196	increase	IGFBP2	ENSG00000115457	16368782;16825320;
D013196	increase	IGFBP3	ENSG00000146674	14532843;16317058;
D013196	increase	IL6	ENSG00000136244	17254854;
D013196	increase	INTS4	ENSG00000149262	15336702;15950459;16648 561;18487222;16951154;12 711008;12391264;1762492 4;17503469;16140617;1713 1305;17075824;11580929;1 8922931;15994348;120322
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D013196	increase	KLK7	ENSG00000169035	17254854;
D013196	increase	LRRC28	ENSG00000168904	16631469;
D013196	increase	MAK	ENSG00000111837	16951154;
D013196	increase	MAPK6	ENSG00000069956	16631469;
D013196	increase	ME1	ENSG00000065833	16631469;
D013196	increase	MEF2A	ENSG00000068305	16631469;
D013196	increase	MYBL2	ENSG00000101057	17254854;
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D013196	increase	NKX3-1	ENSG00000167034	12711008;17131305;
D013196	increase	NUDT11	ENSG00000196368	16631469;
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D013196	increase	PIGF	ENSG00000151665	16631469;
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D013196	increase	PMEPA1	ENSG00000124225	12711008;
D013196	increase	PTGS2	ENSG00000073756	16317058;
D013196	increase	PTS	ENSG00000150787	16631469;
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D013196	increase	SELENBP1	ENSG00000143416	16631469;
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D013196	increase	SNAI2	ENSG00000019549	16541421;
D013196	increase	SPA17	ENSG00000064199	16631469;
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D013196	increase	STK39	ENSG00000198648	17131305;
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D013196	increase	TNF	ENSG00000223952	16317058;11241555;
D013196	increase	TRAP1	ENSG00000126602	16631469;
D013196	increase	TRIOBP	ENSG00000100106	17254854;
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D013196	increase	VCAM1	ENSG00000162692	16317058;
D013196	increase	ZBTB26	ENSG00000171448	16631469;
D013256	increase	CYP3A4	ENSG00000160868	15955870;
D013324	increase	SPP1	ENSG00000118785	16886220;
D013395	increase	INS	ENSG00000129965	1805284;
D013420	decrease	PHYH	ENSG00000107537	15342952;
D013431	increase	IL8	ENSG00000169429	18464055;
D013442	affect	NR3C1	ENSG00000113580	10219967;
D013442	increase	CYP2B6	ENSG00000197408	14977870;
D013442	increase	CYP3A4	ENSG00000160868	10219967;12065438;9512926;16837568;17954527;
D013449	increase	CCNB1	ENSG00000134057	15826604;
D013449	increase	NOTCH1	ENSG00000148400	19147571;
D013467	affect	AKT1	ENSG00000142208	18924134;
D013467	affect	CLU	ENSG00000120885	12388792;

D013467	affect	CSK	ENSG00000103653	18644992;
D013467	affect	GAL	ENSG00000069482	12388792;
D013467	affect	GAP43	ENSG00000172020	12388792;
D013467	affect	RET	ENSG00000165731	12388792;
D013467	affect	TIMP1	ENSG00000102265	12388792;
D013467	decrease	AKT2	ENSG00000105221	11906190;
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D013467	decrease	BIRC5	ENSG00000089685	16707021;14610217;11906190;18156316;
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D013467	decrease	C21ORF33	ENSG00000160221	11906190;
D013467	decrease	CA9	ENSG00000107159	18924134;
D013467	decrease	CALM3	ENSG00000143933	11906190;
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D013467	decrease	CCNB1	ENSG00000134057	11906190;
D013467	decrease	CCNE1	ENSG00000105173	16488075;
D013467	decrease	CCNJ	ENSG00000107443	11906190;
D013467	decrease	CDK1	ENSG00000170312	16273229;
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D013467	decrease	CDK4	ENSG00000135446	18291362;17292881;
D013467	decrease	CDK6	ENSG00000105810	16488075;
D013467	decrease	CPNE1	ENSG00000214078	11906190;
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D013467	decrease	CTNNB1	ENSG00000168036	18291362;11751639;
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D013467	decrease	HIF1A	ENSG00000100644	18924134;
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D013467	decrease	ITGB4	ENSG00000132470	12628509;
D013467	decrease	LOX	ENSG00000113083	18924134;
D013467	decrease	NAP1L1	ENSG00000187109	11507085;
D013467	decrease	NAT1	ENSG00000171428	11828994;
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D013467	decrease	PLAT	ENSG00000104368	12628509;
D013467	decrease	RB1	ENSG00000139687	16488075;
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D013467	increase	ATF4	ENSG00000128272	11906190;
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D013467	increase	BBC3	ENSG00000105327	11906190;
D013467	increase	BCAP29	ENSG00000075790	11906190;
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D013467	increase	CASP9	ENSG00000132906	15713900;
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D013467	increase	CCND1	ENSG00000110092	18291362;15489888;11593435;17292881;
D013467	increase	CDC42EP1	ENSG00000128283	11906190;
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D013467	increase	CYP1A2	ENSG00000140505	17985343;
D013467	increase	CYP1B1	ENSG00000138061	17985343;
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D013467	increase	DGCR14	ENSG00000100056	11906190;
D013467	increase	DPYS	ENSG00000147647	11906190;
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D013467	increase	GRB10	ENSG00000106070	11906190;
D013467	increase	GRN	ENSG00000030582	15190207;
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D013467	increase	HERPUD1	ENSG000000051108	11093808;
D013467	increase	HIST2H4B	ENSG00000182217	11906190;
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D013467	increase	ITGA2	ENSG00000164171	11906190;
D013467	increase	ITGB3	ENSG00000056345	15190207;
D013467	increase	JUND	ENSG00000130522	11906190;
D013467	increase	KIAA1324L	ENSG00000164659	11906190;
D013467	increase	KIF14	ENSG00000118193	11906190;
D013467	increase	KLF5	ENSG00000102554	11906190;
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D013467	increase	LARP4	ENSG00000161813	11906190;
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D013467	increase	LFNG	ENSG00000106003	11906190;
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D013467	increase	LGALS3	ENSG00000131981	15190207;
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D013467	increase	MAPK8	ENSG00000107643	17292881;15713900;
D013467	increase	MED15	ENSG00000099917	11906190;
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D013467	increase	PML	ENSG00000140464	16273229;
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D013467	increase	TBK1	ENSG00000183735	11093808;
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D013467	increase	TGM2	ENSG00000198959	15190207;
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D013498	increase	IL12B	ENSG00000113302	15914193;
D013498	increase	TNF	ENSG00000223952	15914193;
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D013605	decrease	CD44	ENSG00000026508	18196609;
D013605	decrease	HAS2	ENSG00000170961	18196609;
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D013605	increase	TNF	ENSG00000223952	18196609;
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D013629	affect	PNP	ENSG00000198805	14699072;
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D013629	affect	PRPF40A	ENSG00000196504	14699072;
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D013629	affect	PTPRH	ENSG00000080031	14699072;
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D013629	affect	RASA1	ENSG00000145715	14699072;
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D013629	affect	RFTN1	ENSG00000131378	14699072;
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D013629	affect	SALL1	ENSG00000103449	14699072;
D013629	affect	SDCBP	ENSG00000137575	14699072;
D013629	affect	SEMA3C	ENSG00000075223	14699072;
D013629	affect	SFRS2IP	ENSG00000139218	14699072;
D013629	affect	SHB	ENSG00000107338	14699072;
D013629	affect	SMAD7	ENSG00000101665	14699072;
D013629	affect	SNCA	ENSG00000145335	14699072;
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D013739	affect	INSR	ENSG00000171105	17162844;
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D013739	increase	IGFBP6	ENSG00000167779	15817916;
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D013739	increase	KLKB1	ENSG00000164344	18030663;
D013739	increase	TFF1	ENSG00000160182	15525692;
D013739	increase	TFRC	ENSG00000072274	16002536;
D013739	increase	TP53	ENSG00000141510	18030663;
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D013749	affect	FOS	ENSG00000170345	16985168;
D013749	affect	FOSL1	ENSG00000175592	16985168;
D013749	affect	FOSL2	ENSG00000075426	16985168;
D013749	affect	JUNB	ENSG00000171223	16985168;
D013749	affect	SLC2A4	ENSG00000181856	17107852;
D013749	decrease	BAX	ENSG00000087088	16039398;
D013749	decrease	BCL2L1	ENSG00000171552	16039398;
D013749	decrease	BCL2L2	ENSG00000129473	16039398;
D013749	decrease	CASP8	ENSG00000064012	16039398;
D013749	decrease	CCNC	ENSG00000112237	16039398;
				15157999;16039398;15322
D013749	decrease	CCND1	ENSG00000110092	241;
D013749	decrease	CCNG1	ENSG00000113328	16039398;
D013749	decrease	CRABP1	ENSG00000166426	15345368;
D013749	decrease	CYP2C18	ENSG00000108242	16985168;
D013749	decrease	CYP2C19	ENSG00000165841	16985168;
D013749	decrease	CYP2C9	ENSG00000138109	16985168;
D013749	decrease	CYP3A4	ENSG00000160868	16985168;
D013749	decrease	CYP4B1	ENSG00000142973	16985168;
D013749	decrease	EGR1	ENSG00000120738	16039398;
D013749	decrease	EPHX2	ENSG00000120915	16039398;
D013749	decrease	GSTM3	ENSG00000134202	16039398;
D013749	decrease	HMOX2	ENSG00000103415	16039398;
D013749	decrease	HSF1	ENSG00000185122	16039398;
D013749	decrease	HSPA2	ENSG00000126803	16039398;
D013749	decrease	HSPA5	ENSG00000044574	16039398;
D013749	decrease	HSPA9	ENSG00000113013	16039398;
D013749	decrease	IL18	ENSG00000150782	16039398;
D013749	decrease	IL1A	ENSG00000115008	16039398;
D013749	decrease	IL2	ENSG00000109471	16696175;
D013749	decrease	KRT10	ENSG00000186395	16985168;
D013749	decrease	MDM2	ENSG00000135679	16039398;
D013749	decrease	MT1A	ENSG00000205362	16039398;

D013749	decrease	MT1H	ENSG00000205358	16039398;
D013749	decrease	MT2A	ENSG00000125148	16039398;
D013749	decrease	NFKB1	ENSG00000109320	17107852;16696175;
D013749	decrease	PGR	ENSG00000082175	16009159;
D013749	decrease	SOD2	ENSG00000112096	16039398;
D013749	decrease	XRCC1	ENSG00000073050	16039398;
D013749	increase	ABCG2	ENSG00000118777	15917307;17077187;
D013749	increase	ACOX1	ENSG00000161533	15345368;
				15657799;16480812;15385644;9169082;10799337;14644660;15947024;17012224;
D013749	increase	AHR	ENSG00000106546	16788953;15917307;19376845;15964790;15313166;18541696;16985168;10544064;15982688;14709624;15899923;19286049;15142886;
D013749	increase	AHRR	ENSG00000063438	11742002;12655030;
D013749	increase	ALDH1A3	ENSG00000184254	15345368;
D013749	increase	ALDH3A1	ENSG00000108602	15345368;
D013749	increase	ALDH3A2	ENSG00000072210	15345368;
D013749	increase	BRCA1	ENSG00000012048	12473173;
D013749	increase	CDKN1A	ENSG00000124762	15157999;12473173;16039398;15322241;15345368;
D013749	increase	CDKN1B	ENSG00000111276	15157999;
D013749	increase	CYBA	ENSG00000051523	16051281;
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D013749	increase	CYP1A1	ENSG00000140465	16713074;15659567;19376845;16985168;17959153;16258175;14709624;
D013749	increase	CYP1A2	ENSG00000140505	19018768;11358810;9920887;15837795;10696073;19376845;16271822;15596250;15953582;16985168;15093275;16258175;15142886;
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D013749	increase	CYP2W1	ENSG00000073067	16985168;
D013749	increase	ELF3	ENSG00000163435	15345368;
D013749	increase	IGFBP3	ENSG00000146674	16480812;
D013749	increase	IL1B	ENSG00000125538	16051281;
D013749	increase	IL4	ENSG00000113520	15899923;
D013749	increase	ITGA5	ENSG00000161638	16051281;
D013749	increase	MAPK1	ENSG00000100030	16051281;15313166;
D013749	increase	MMP1	ENSG00000196611	17003102;15982688;
D013749	increase	MMP2	ENSG00000087245	17003102;15982688;
D013749	increase	MMP9	ENSG00000100985	17003102;15982688;

D013749	increase	MZF1	ENSG00000099326	15345368;
D013749	increase	NCOA2	ENSG00000140396	15964790;15345368;
D013749	increase	NFIC	ENSG00000141905	9920887;
D013749	increase	NQO1	ENSG00000181019	9029048;
D013749	increase	NQO2	ENSG00000124588	11154737;
D013749	increase	RARB	ENSG00000077092	15345368;
D013749	increase	SERPINB2	ENSG00000197632	16051281;
D013749	increase	TFF1	ENSG00000160182	9276643;12473173;
D013749	increase	TGM1	ENSG00000092295	16985168;
D013749	increase	TGM2	ENSG00000198959	16480812;
D013749	increase	TGM3	ENSG00000125780	16985168;
D013749	increase	TGM5	ENSG00000104055	16985168;
D013749	increase	UGT1A10	ENSG00000242515	16155002;
D013749	increase	UGT1A1	ENSG00000241635	16155002;15258113;
D013749	increase	UGT1A3	ENSG00000243135	16155002;
D013749	increase	UGT1A4	ENSG00000244474	16155002;
D013749	increase	UGT1A5	ENSG00000240224	16155002;
D013749	increase	UGT1A6	ENSG00000167165	16155002;
D013749	increase	UGT1A7	ENSG00000244122	16155002;
D013749	increase	UGT1A8	ENSG00000242366	16155002;
D013749	increase	UGT1A9	ENSG00000241119	16155002;15258113;
D013750	decrease	BCL2	ENSG00000171791	16010555;12160929;
D013750	decrease	CASP10	ENSG00000003400	16010555;
D013750	decrease	CRYAA	ENSG00000160202	19031421;
D013750	decrease	FOS	ENSG00000170345	16010555;
D013750	decrease	IFNG	ENSG00000111537	12112628;
D013750	decrease	INSIG1	ENSG00000186480	16010555;
D013750	decrease	ISG15	ENSG00000187608	16010555;
D013750	decrease	JUN	ENSG00000177606	16010555;
D013750	decrease	MMP3	ENSG00000149968	16010555;
D013750	increase	BAX	ENSG00000087088	16010555;12160929;
D013750	increase	BIRC5	ENSG00000089685	19031421;
D013750	increase	CCNB2	ENSG00000157456	19031421;
D013750	increase	CDC25B	ENSG00000101224	19031421;
D013750	increase	CKS2	ENSG00000123975	19031421;
D013750	increase	EPHA5	ENSG00000145242	16010555;
D013750	increase	KIF2C	ENSG00000142945	19031421;
D013750	increase	MAPK14	ENSG00000112062	16010555;
D013750	increase	MAPRE2	ENSG00000166974	19031421;
D013750	increase	MMP17	ENSG00000198598	16010555;
D013750	increase	MX1	ENSG00000157601	16010555;
D013750	increase	NCAPG	ENSG00000109805	19031421;
D013750	increase	NEK2	ENSG00000117650	19031421;
D013750	increase	NUSAP1	ENSG00000137804	19031421;
D013750	increase	PAK3	ENSG00000077264	19031421;
D013750	increase	PBK	ENSG00000168078	19031421;
D013750	increase	PTTG1	ENSG00000164611	19031421;
D013750	increase	RAD50	ENSG00000113522	19031421;
D013750	increase	SHC1	ENSG00000160691	19031421;
D013750	increase	SPAG5	ENSG00000076382	19031421;
D013750	increase	TP53	ENSG00000141510	12160929;
D013750	increase	TPX2	ENSG00000088325	19031421;
D013752	increase	IL1B	ENSG00000125538	17267227;
D013752	increase	MMP13	ENSG00000137745	17267227;

D013752	increase	MMP3	ENSG00000149968	17267227;
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D013755	affect	ANXA10	ENSG00000109511	16979875;
D013755	affect	ANXA3	ENSG00000138772	16979875;
D013755	affect	ARHGEF9	ENSG00000131089	16979875;
D013755	affect	ARL4C	ENSG00000188042	16979875;
D013755	affect	ASS1	ENSG00000130707	16979875;
D013755	affect	ATF5	ENSG00000169136	16979875;
D013755	affect	BCL2A1	ENSG00000140379	16979875;
D013755	affect	CA14	ENSG00000118298	16979875;
D013755	affect	CAPN11	ENSG00000137225	16979875;
D013755	affect	CAPN9	ENSG00000135773	16979875;
D013755	affect	CCL18	ENSG00000006074	16979875;
D013755	affect	CCL1	ENSG00000108702	16979875;
D013755	affect	CD4	ENSG00000010610	16979875;
D013755	affect	CD58	ENSG00000116815	16979875;
D013755	affect	CDKN1C	ENSG00000129757	16979875;
D013755	affect	CDKN2C	ENSG00000123080	16979875;
D013755	affect	CMKLR1	ENSG00000174600	16979875;
D013755	affect	CNTN6	ENSG00000134115	16979875;
D013755	affect	COL1A2	ENSG00000164692	16979875;
D013755	affect	CRTAM	ENSG00000109943	16979875;
D013755	affect	CSF3	ENSG00000108342	16979875;
D013755	affect	CXCL5	ENSG00000163735	16979875;
D013755	affect	CXCL6	ENSG00000124875	16979875;
D013755	affect	CYP7A1	ENSG00000167910	16979875;
D013755	affect	EFNA4	ENSG00000243364	16979875;
D013755	affect	EGR4	ENSG00000135625	16979875;
D013755	affect	EIF5	ENSG00000100664	16979875;
D013755	affect	FMO5	ENSG00000131781	16979875;
D013755	affect	FN1	ENSG00000115414	15086456;16979875;
D013755	affect	GDF10	ENSG00000107623	16979875;
D013755	affect	GIF	ENSG00000134812	16979875;
D013755	affect	GNRHR	ENSG00000109163	16979875;
D013755	affect	HBEGF	ENSG00000113070	16979875;
D013755	affect	IBSP	ENSG00000029559	16979875;
D013755	affect	IGFBP5	ENSG00000115461	16979875;
D013755	affect	IGFBP7	ENSG00000163453	16979875;
D013755	affect	IGLL1	ENSG00000128322	16979875;
D013755	affect	IL1RAP	ENSG00000196083	16979875;
D013755	affect	IL1RAPL2	ENSG00000189108	16979875;
D013755	affect	IL3	ENSG00000164399	16979875;
D013755	affect	IL6R	ENSG00000160712	16979875;
D013755	affect	IL9R	ENSG00000124334	16979875;
D013755	affect	IRAK3	ENSG00000090376	16979875;
D013755	affect	ITGAX	ENSG00000140678	16979875;
D013755	affect	ITGB6	ENSG00000115221	16979875;
D013755	affect	KIF20A	ENSG00000112984	16979875;
D013755	affect	KLF12	ENSG00000118922	16979875;
D013755	affect	LAMB1	ENSG00000091136	16979875;
D013755	affect	LIF	ENSG00000128342	16979875;
D013755	affect	LMO7	ENSG00000136153	16979875;
D013755	affect	MBL2	ENSG00000165471	16979875;
D013755	affect	MEOX2	ENSG00000106511	16979875;

D013755	affect	MMP8	ENSG00000118113	16979875;
D013755	affect	MSLN	ENSG00000102854	16979875;
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D013755	affect	MZF1	ENSG00000099326	16979875;
D013755	affect	NAP1L3	ENSG00000186310	16979875;
D013755	affect	NFIB	ENSG00000147862	16979875;
D013755	affect	NFKBIL1	ENSG00000204498	16979875;
D013755	affect	NQO1	ENSG00000181019	16979875;
D013755	affect	NQO2	ENSG00000124588	16979875;
D013755	affect	NR4A1	ENSG00000123358	16979875;
D013755	affect	NR4A2	ENSG00000153234	16979875;
D013755	affect	NR4A3	ENSG00000119508	16979875;
D013755	affect	PCDHA2	ENSG00000204969	16979875;
D013755	affect	PCOLCE	ENSG00000106333	16979875;
D013755	affect	POU4F3	ENSG00000091010	16979875;
D013755	affect	PTPRN2	ENSG00000155093	16979875;
D013755	affect	PTX3	ENSG00000163661	16979875;
D013755	affect	RAD54L	ENSG00000085999	16979875;
D013755	affect	RARRES1	ENSG00000118849	16979875;
D013755	affect	RB1	ENSG00000139687	15978937;16979875;
				15905586;16230421;14527
				959;17588137;18958421;16
D013755	affect	RELA	ENSG00000173039	376386;9973483;16928326;
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				542;15322087;16007145;
D013755	affect	RGS11	ENSG00000076344	16979875;
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D013755	affect	S100P	ENSG00000163993	16979875;
D013755	affect	SHANK2	ENSG00000162105	16979875;
D013755	affect	SIGLEC6	ENSG00000105492	16979875;
D013755	affect	SOCS2	ENSG00000120833	16979875;
D013755	affect	SPP1	ENSG00000118785	16979875;
D013755	affect	TAF15	ENSG00000172660	16979875;
D013755	affect	TGFB1	ENSG00000105329	16979875;
D013755	affect	TGFB2	ENSG00000092969	16979875;
D013755	affect	THPO	ENSG00000090534	16979875;
D013755	affect	TIMM17A	ENSG00000134375	16979875;
D013755	affect	TLR6	ENSG00000174130	16979875;
D013755	affect	TNC	ENSG00000041982	16979875;
D013755	affect	TNFRSF9	ENSG00000049249	16979875;
D013755	affect	TRHDE	ENSG00000072657	16979875;
D013755	affect	VEGFA	ENSG00000112715	16979875;
D013755	affect	VIPR2	ENSG00000106018	16979875;
D013755	affect	ZEB1	ENSG00000148516	16979875;
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D013755	affect	ZNF235	ENSG00000159917	16979875;
D013755	affect	ZNF257	ENSG00000197134	16979875;
D013755	decrease	ABCB4	ENSG00000005471	11331069;
D013755	decrease	ABCC1	ENSG00000103222	15517594;
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D013755	decrease	BCL2	ENSG00000171791	19631781;15748703;16979
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D013755	decrease	CALR	ENSG00000179218	19031421;
D013755	decrease	CCND1	ENSG00000110092	15978937;15949478;

D013755	decrease	CDK4	ENSG00000135446	15978937;
D013755	decrease	CNN1	ENSG00000130176	15380616;
D013755	decrease	CYP11B2	ENSG00000179142	9139807;15666830;
D013755	decrease	DCT	ENSG00000080166	15892717;
D013755	decrease	ESR1	ENSG00000091831	10633228;
D013755	decrease	ESR2	ENSG00000140009	10633228;
D013755	decrease	GFI1	ENSG00000162676	16888099;
D013755	decrease	IL5RA	ENSG00000091181	8049355;
D013755	decrease	MME	ENSG00000196549	16997790;
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D013755	decrease	PRKCA	ENSG00000154229	937;15707588;17171646;15
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				15380616;18628248;15976
D013755	decrease	PRKCD	ENSG00000163932	015;15707588;11424089;15
				949478;
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D013755	decrease	TAGLN	ENSG00000149591	15380616;
D013755	decrease	TP53	ENSG00000141510	10910098;15542774;
D013755	decrease	UHRF1	ENSG00000034063	15964557;
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D013755	increase	ARL6IP5	ENSG00000144746	16468075;16430862;
D013755	increase	AURKA	ENSG00000087586	19031421;
D013755	increase	BIRC3	ENSG00000023445	14527959;
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D013755	increase	BSG	ENSG00000172270	17055343;
D013755	increase	BTG2	ENSG00000159388	15302583;
D013755	increase	BUB1B	ENSG00000156970	19031421;
D013755	increase	CCL11	ENSG00000172156	17572062;
D013755	increase	CCL2	ENSG00000108691	16376386;17572062;
D013755	increase	CCL3	ENSG00000006075	17572062;
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D013755	increase	CCL5	ENSG00000161570	17572062;
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D013755	increase	CD14	ENSG00000170458	16430862;
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D013755	increase	CD36	ENSG00000135218	16484594;12664607;
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D013755	increase	CD40LG	ENSG00000102245	11297035;
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D013755	increase	CYBB	ENSG00000165168	9794432;
D013755	increase	CYP19A1	ENSG00000137869	16357189;10338361;
D013755	increase	CYP2E1	ENSG00000130649	9143349;8531136;8798623;
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D013755	increase	EGR1	ENSG00000120738	10739673;10779383;

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D013755	increase	FOS	ENSG00000170345	10739673;10620351;16116 958;7963561;15705907;
D013755	increase	FOSL1	ENSG00000175592	17148446;
D013755	increase	FOSL2	ENSG00000075426	17148446;16979875;
D013755	increase	GATA2	ENSG00000179348	14757314;
D013755	increase	GJA1	ENSG00000152661	10633228;
D013755	increase	GRN	ENSG00000030582	16873554;
D013755	increase	GSTP1	ENSG00000084207	15313406;14623254;15533 597;
D013755	increase	GTF2H4	ENSG00000234370	19031421;
D013755	increase	GYP A	ENSG00000170180	14769215;
D013755	increase	HIF1A	ENSG00000100644	14695184;11424089;
D013755	increase	HPGD	ENSG00000164120	11237475;15680906;
D013755	increase	IFNG	ENSG00000111537	15379866;18953428;16374 615;14994387;15358692;17 572062;16154495;
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D013755	increase	IL12RB1	ENSG00000096996	11441113;
D013755	increase	IL12RB2	ENSG00000081985	11441113;16979875;
D013755	increase	IL13	ENSG00000169194	10428506;
D013755	increase	IL18R1	ENSG00000115604	14994387;
D013755	increase	IL1B	ENSG00000125538	10072544;18958421;17588 137;16374615;17572062;
D013755	increase	IL1RN	ENSG00000136689	10072544;
D013755	increase	IL2	ENSG00000109471	8719445;15379866;162418 59;18423386;11592964;127 49906;16374615;17572062; 16154495;
D013755	increase	IL2RA	ENSG00000134460	12749906;16979875;
D013755	increase	IL4	ENSG00000113520	16601352;10428506;17572 062;16979875;18325701;
D013755	increase	IL5	ENSG00000113525	16116958;16374615;17572 062;18325701;
D013755	increase	IL6	ENSG00000136244	10072544;18958421;17588 137;10428506;16374615;17 572062;
D013755	increase	IL8	ENSG00000169429	16091123;12039947;17366 569;15502056;16134060;10 072544;18958421;1758813 7;16376386;9628260;15286 717;17572062;
D013755	increase	ITGA2B	ENSG00000005961	10428506;
D013755	increase	ITGA2	ENSG00000164171	17669516;
D013755	increase	ITGAM	ENSG00000169896	10739673;16430862;16617 325;
D013755	increase	ITGB3	ENSG00000056345	10910098;14769215;14757 314;
D013755	increase	IVL	ENSG00000163207	17148446;
D013755	increase	JUNB	ENSG00000171223	17148446;15666830;
D013755	increase	JUND	ENSG00000130522	17148446;10620351;
D013755	increase	JUN	ENSG00000177606	17148446;18628248;15263 067;10620351;16116958;15 705907;

D013755	increase	KIF20B	ENSG00000138182	19031421;
D013755	increase	KIF23	ENSG00000137807	19031421;
D013755	increase	KIF2C	ENSG00000142945	19031421;
D013755	increase	MAD1L1	ENSG00000002822	19031421;
D013755	increase	MAD2L1	ENSG00000164109	19031421;
				15978937;18628248;16091
D013755	increase	MAPK1	ENSG00000100030	123;18423386;19804834;15
				542774;16251475;1566683
				0;16838270;12761878;
				15978937;18628248;16091
D013755	increase	MAPK3	ENSG00000102882	123;18423386;19804834;15
				542774;16251475;1566683
				0;16838270;12761878;
D013755	increase	MMP1	ENSG00000196611	16176868;
D013755	increase	MMP21	ENSG00000154485	16984259;
D013755	increase	MMP3	ENSG00000149968	16176868;
D013755	increase	MMP9	ENSG00000100985	17055343;18628248;19804
				834;16574429;
D013755	increase	MSR1	ENSG00000038945	9614211;16484594;
D013755	increase	MYC	ENSG00000136997	10739673;2558650;159494
				78;12749906;
D013755	increase	NCAPG	ENSG00000109805	19031421;
D013755	increase	NCF1	ENSG00000158517	11246141;9794432;
D013755	increase	NEK2	ENSG00000117650	19031421;
D013755	increase	NFKBIA	ENSG00000100906	15502056;10072544;17588
				137;16376386;
D013755	increase	NOLC1	ENSG00000166197	19031421;
D013755	increase	NR5A2	ENSG00000116833	16357189;
D013755	increase	NUSAP1	ENSG00000137804	19031421;
D013755	increase	ODC1	ENSG00000115758	9834970;
D013755	increase	PAK3	ENSG00000077264	19031421;
D013755	increase	PARP2	ENSG00000129484	19031421;
D013755	increase	PBK	ENSG00000168078	19031421;
D013755	increase	PDGFA	ENSG00000197461	10428506;
D013755	increase	PDGFB	ENSG00000100311	10428506;
D013755	increase	PLA2G2A	ENSG00000188257	18953428;
D013755	increase	PLD2	ENSG00000129219	18423386;
D013755	increase	PLK1	ENSG00000166851	19031421;
D013755	increase	POLE2	ENSG00000100479	19031421;
D013755	increase	PPBP	ENSG00000163736	15316029;
				16870006;19804834;15997
D013755	increase	PTGS2	ENSG00000073756	105;10783318;11237475;86
				21535;16417216;15843042;
				15680906;16979875;
D013755	increase	PTTG1	ENSG00000164611	19031421;
D013755	increase	RAD51AP1	ENSG00000111247	19031421;
D013755	increase	RAD51C	ENSG00000108384	19031421;
D013755	increase	RBBP8	ENSG00000101773	19031421;
D013755	increase	RBX1	ENSG00000100387	19031421;
D013755	increase	RFC4	ENSG00000163918	19031421;
D013755	increase	RFC5	ENSG00000111445	19031421;
D013755	increase	SELE	ENSG00000007908	8780174;
D013755	increase	SERPINB9	ENSG00000170542	12177049;
D013755	increase	SHC1	ENSG00000160691	19031421;
D013755	increase	SLC7A11	ENSG00000151012	17200146;
D013755	increase	SMC4	ENSG00000113810	19031421;

D013755	increase	SPAG5	ENSG00000076382	19031421;
D013755	increase	SPRR1A	ENSG00000169474	11485391;
D013755	increase	SPRR1B	ENSG00000169469	11485391;
D013755	increase	TFRC	ENSG00000072274	12749906;
D013755	increase	TGM1	ENSG00000092295	11485391;
D013755	increase	TIMP1	ENSG00000102265	11414687;
				16091123;16134060;17196
				940;10072544;18958421;17
D013755	increase	TNF	ENSG00000223952	588137;9628260;15358692;
				16154495;10890505;17572
				062;16112155;
D013755	increase	TNFRSF1A	ENSG00000067182	9870925;11882518;
D013755	increase	TNFRSF1B	ENSG00000028137	10072544;
D013755	increase	TPX2	ENSG00000088325	19031421;
D013755	increase	TYMS	ENSG00000176890	19031421;
D013755	increase	ZWINT	ENSG00000122952	19031421;
D013759	decrease	ANXA5	ENSG00000164111	16039398;
D013759	decrease	BAX	ENSG00000087088	16039398;
D013759	decrease	BCL2L2	ENSG00000129473	16039398;
D013759	decrease	CASP8	ENSG00000064012	16039398;
D013759	decrease	CAT	ENSG00000121691	16039398;
D013759	decrease	CDKN1A	ENSG00000124762	16039398;
D013759	decrease	DDB1	ENSG00000167986	16039398;
D013759	decrease	DNAJA1	ENSG00000086061	16039398;
D013759	decrease	EGR1	ENSG00000120738	16039398;
D013759	decrease	HSF1	ENSG00000185122	16039398;
D013759	decrease	HSPA1A	ENSG00000232804	16039398;
D013759	decrease	HSPA1B	ENSG00000232804	16039398;
D013759	decrease	HSPA1L	ENSG00000204390	16039398;
D013759	decrease	HSPA5	ENSG00000044574	16039398;
D013759	decrease	HSPA6	ENSG00000173110	16039398;
D013759	decrease	HSPA8	ENSG00000109971	16039398;
D013759	decrease	HSPE1	ENSG00000115541	16039398;
D013759	decrease	HSPH1	ENSG00000120694	16039398;
D013759	decrease	RAD23A	ENSG00000179262	16039398;
D013759	decrease	SLC19A1	ENSG00000173638	19616087;
D013759	decrease	XRCC1	ENSG00000073050	16039398;
D013759	decrease	XRCC5	ENSG00000079246	16039398;
D013759	increase	CYP1A1	ENSG00000140465	16039398;
D013759	increase	GADD45A	ENSG00000116717	16039398;
D013759	increase	GDF15	ENSG00000130513	16039398;
D013759	increase	IL1A	ENSG00000115008	16039398;
D013759	increase	MT1A	ENSG00000205362	16039398;
D013759	increase	PTGS2	ENSG00000073756	16039398;
D013759	increase	SERPINE1	ENSG00000106366	16039398;
D013759	increase	SLC16A1	ENSG00000155380	19023563;
D013792	affect	ANGPT2	ENSG00000091879	15939924;
D013792	affect	BUB1B	ENSG00000156970	18720364;
D013792	affect	CCNA2	ENSG00000145386	18720364;
D013792	affect	CCNB1	ENSG00000134057	18720364;
D013792	affect	CDC20	ENSG00000117399	18720364;
D013792	affect	CENPA	ENSG00000115163	18720364;
D013792	affect	CENPF	ENSG00000117724	18720364;
D013792	affect	FEN1	ENSG00000168496	18720364;

D013792	affect	FGF2	ENSG00000138685	15939924;
D013792	affect	HGF	ENSG00000019991	15939924;
D013792	affect	IFNG	ENSG00000111537	16454849;
D013792	affect	IGF1	ENSG00000017427	15939924;
D013792	affect	IGFBP3	ENSG00000146674	15939924;
D013792	affect	IL10	ENSG00000136634	16454849;
D013792	affect	KIF2C	ENSG00000142945	18720364;
D013792	affect	MCM5	ENSG00000100297	18720364;
D013792	affect	MKI67	ENSG00000148773	18720364;
D013792	affect	NUSAP1	ENSG00000137804	18720364;
D013792	affect	RFC3	ENSG00000133119	18720364;
D013792	affect	RRM2	ENSG00000171848	18720364;
D013792	affect	SPAG5	ENSG00000076382	18720364;
D013792	affect	TMPO	ENSG00000120802	18720364;
D013792	affect	TOP2A	ENSG00000131747	18720364;
D013792	affect	TTK	ENSG00000112742	18720364;
D013792	affect	UBE2C	ENSG00000175063	18720364;
D013792	decrease	ABCB1	ENSG00000085563	16136308;15920492;
D013792	decrease	ACP5	ENSG00000102575	16079895;
D013792	decrease	BCL2	ENSG00000171791	15982930;15867202;
D013792	decrease	BCL2L1	ENSG00000171552	15986355;
D013792	decrease	CFLAR	ENSG00000003402	15986355;
D013792	decrease	F2R	ENSG00000181104	15618473;
D013792	decrease	FAS	ENSG00000026103	16531263;
D013792	decrease	FASLG	ENSG00000117560	16531263;
D013792	decrease	IL1R1	ENSG00000115594	15618473;
D013792	decrease	IL6ST	ENSG00000134352	15618473;
D013792	decrease	KDR	ENSG00000128052	15741222;
D013792	decrease	MCL1	ENSG00000143384	15858615;
D013792	decrease	NRP1	ENSG00000099250	15741222;
D013792	decrease	NRP2	ENSG00000118257	15741222;
D013792	decrease	PIM1	ENSG00000137193	16616857;
D013792	decrease	PTGS2	ENSG00000073756	15982930;
D013792	decrease	SELL	ENSG00000188404	16344495;
D013792	decrease	TEK	ENSG00000120156	15618473;
D013792	decrease	TGFBR1	ENSG00000106799	15618473;
D013792	decrease	TNFRSF10A	ENSG00000104689	16531263;
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D013792	decrease	TNFRSF1A	ENSG00000067182	15618473;16344495;
D013792	decrease	TNFRSF1B	ENSG00000028137	15618473;
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D013792	decrease	VEGFA	ENSG00000112715	15939924;15858615;15982930;
D013792	decrease	XIAP	ENSG00000101966	15858615;
D013792	increase	CYCS	ENSG00000172115	15982930;
D013792	increase	IL8	ENSG00000169429	15687330;
D013792	increase	PLAUR	ENSG00000011422	16288038;
D013792	increase	RELA	ENSG00000173039	15687330;16685529;17164350;
D013792	increase	TGFB1	ENSG00000105329	16288038;
D013792	increase	TNF	ENSG00000223952	15687330;15982930;16454849;
D013804	increase	BECN1	ENSG00000126581	18032788;

D013804	increase	BIRC3	ENSG00000023445	17671207;
D013804	increase	ICAM1	ENSG00000090339	12952965;
D013804	increase	PKD1	ENSG00000152256	17671207;
D013804	increase	SOD2	ENSG00000112096	18032788;
D013804	increase	VEGFA	ENSG00000112715	17671207;
D013806	decrease	BCL2	ENSG00000171791	10877050;
D013806	decrease	IL12A	ENSG00000168811	15569413;
D013806	decrease	IL12B	ENSG00000113302	15569413;
D013827	increase	CYP1A1	ENSG00000140465	11226373;
D013827	increase	CYP1A2	ENSG00000140505	12920490;10936227;16261361;18570159;
D013827	increase	CYP2B6	ENSG00000197408	18570159;
D013827	increase	CYP3A4	ENSG00000160868	18570159;
D013840	increase	JUN	ENSG00000177606	15263067;
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D013849	decrease	GEMIN4	ENSG00000179409	16870260;
D013849	decrease	MED18	ENSG00000130772	16870260;
D013849	decrease	PHF20L1	ENSG00000129292	16870260;
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D013849	increase	ATF3	ENSG00000162772	16870260;
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D013849	increase	CD86	ENSG00000114013	15737199;
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D013849	increase	CLU	ENSG00000120885	16870260;
D013849	increase	COL21A1	ENSG00000124749	16870260;
D013849	increase	CPEB3	ENSG00000107864	16870260;
D013849	increase	CRYAB	ENSG00000109846	16870260;
D013849	increase	CYR61	ENSG00000142871	16870260;
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D013849	increase	DNAJB4	ENSG00000162616	16870260;
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D013849	increase	HBEGF	ENSG00000113070	16870260;
D013849	increase	HIST1H3B	ENSG00000197153	16870260;
D013849	increase	HIST1H3G	ENSG00000197153	16870260;
D013849	increase	HMOX1	ENSG00000100292	16870260;
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D013849	increase	HSPA1B	ENSG00000232804	16870260;
D013849	increase	HSPA1L	ENSG00000204390	16870260;
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D013849	increase	HSPB1	ENSG00000106211	16870260;
D013849	increase	JUN	ENSG00000177606	16870260;
D013849	increase	KLF4	ENSG00000136826	16870260;
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D013849	increase	MXD1	ENSG00000059728	16870260;
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D013849	increase	NR4A1	ENSG00000123358	16870260;
D013849	increase	NR4A2	ENSG00000153234	16870260;
D013849	increase	PGF	ENSG00000119630	16870260;
D013849	increase	PLK2	ENSG00000145632	16870260;
D013849	increase	RRAD	ENSG00000166592	16870260;

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D013849	increase	TMOD2	ENSG00000128872	16870260;
D013849	increase	UPP1	ENSG00000183696	16870260;
D013852	increase	BAD	ENSG00000002330	10822281;
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D013852	increase	BAX	ENSG00000087088	10822281;
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D013853	decrease	ACAT2	ENSG00000120437	11793227;
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D013853	decrease	ANG	ENSG00000214274	11793227;
D013853	decrease	ATP5J2	ENSG00000241468	11793227;
D013853	decrease	CALU	ENSG00000128595	11793227;
D013853	decrease	CDK4	ENSG00000135446	11793227;
D013853	decrease	CYC1	ENSG00000179091	11793227;
D013853	decrease	DAD1	ENSG00000129562	11793227;
D013853	decrease	GLRX	ENSG00000173221	11793227;
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D013853	decrease	GLUD1	ENSG00000148672	11793227;
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D013853	decrease	LDHA	ENSG00000134333	11793227;
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D013853	decrease	SEC13	ENSG00000157020	11793227;
D013853	decrease	SEC23A	ENSG00000100934	11793227;
D013853	decrease	SERPINA6	ENSG00000170099	11793227;
D013853	decrease	SFRS1	ENSG00000136450	11793227;
D013853	decrease	SQLE	ENSG00000104549	11793227;
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D013853	decrease	TMEM97	ENSG00000109084	11793227;
D013853	decrease	UQCRC2	ENSG00000140740	11793227;
D013853	increase	ACIN1	ENSG00000100813	11793227;
D013853	increase	ACSL3	ENSG00000123983	11793227;
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D013853	increase	EIF1	ENSG00000173812	11793227;
D013853	increase	IGFBP1	ENSG00000146678	11793227;
D013853	increase	MT1B	ENSG00000169688	11793227;
D013853	increase	MT1G	ENSG00000125144	11793227;
D013853	increase	MT1H	ENSG00000205358	11793227;
D013853	increase	OAT	ENSG00000065154	11793227;
D013853	increase	RRS1	ENSG00000179041	11793227;
D013853	increase	SMOX	ENSG00000088826	11793227;
D013864	increase	ANXA2	ENSG00000182718	14504107;
D013874	increase	HSP90AA1	ENSG00000080824	18218830;
D013874	increase	HSPB1	ENSG00000106211	18218830;
D013874	increase	JUN	ENSG00000177606	15263067;
D013876	affect	ADD3	ENSG00000148700	16140955;
D013876	affect	ALAS1	ENSG00000023330	16140955;

D013876	affect	ANXA2	ENSG00000182718	16140955;
D013876	affect	ANXA8L2	ENSG00000186807	16140955;
D013876	affect	CDKN2C	ENSG00000123080	16140955;
D013876	affect	COL9A2	ENSG00000049089	16140955;
D013876	affect	DEFA1	ENSG00000240247	16140955;
D013876	affect	EIF2C1	ENSG00000092847	16140955;
D013876	affect	ELF4	ENSG00000102034	16140955;
D013876	affect	FUBP3	ENSG00000107164	16140955;
D013876	affect	GARS	ENSG00000106105	16140955;
D013876	affect	ITM2B	ENSG00000136156	16140955;
D013876	affect	MAD1L1	ENSG00000002822	16140955;
D013876	affect	NTHL1	ENSG00000065057	16140955;
D013876	affect	PECI	ENSG00000198721	16140955;
D013876	affect	PGD	ENSG00000142657	16140955;
D013876	affect	PIM1	ENSG00000137193	16140955;
D013876	affect	PPP3CA	ENSG00000138814	16140955;
D013876	affect	PSMB9	ENSG00000240065	16140955;
D013876	affect	PTK2B	ENSG00000120899	16140955;
D013876	affect	RAGE	ENSG00000080823	16140955;
D013876	affect	RAP2A	ENSG00000125249	16140955;
D013876	affect	RCBTB2	ENSG00000136161	16140955;
D013876	affect	REL	ENSG00000162924	16140955;
D013876	affect	TPM4	ENSG00000167460	16140955;
D013876	affect	UBE3A	ENSG00000114062	16140955;
D013876	affect	WAS	ENSG00000015285	16140955;
D013876	affect	WIPF1	ENSG00000115935	16140955;
D013876	decrease	ABCE1	ENSG00000164163	16140955;
D013876	decrease	CSE1L	ENSG00000124207	16140955;
D013876	decrease	DDX10	ENSG00000178105	16140955;
D013876	decrease	DDX18	ENSG00000088205	16140955;
D013876	decrease	EIF3B	ENSG00000106263	16140955;
D013876	decrease	EIF3C	ENSG00000184110	16140955;
D013876	decrease	EIF4EBP1	ENSG00000187840	16140955;
D013876	decrease	EIF4E	ENSG00000151247	16140955;
D013876	decrease	GRB10	ENSG00000106070	16140955;
D013876	decrease	MPO	ENSG00000005381	16140954;
D013876	decrease	MYC	ENSG00000136997	16140955;
D013876	decrease	PPM1G	ENSG00000115241	16140955;
D013876	decrease	PRMT1	ENSG00000126457	16140955;
D013876	decrease	RABGGTB	ENSG00000137955	16140955;
D013876	decrease	RUVBL2	ENSG00000183207	16140955;
D013876	increase	ANXA1	ENSG00000135046	16140955;
D013876	increase	BIRC2	ENSG00000110330	16140955;
D013876	increase	CD53	ENSG00000143119	16140955;
D013876	increase	CDKN1A	ENSG00000124762	16140954;
D013876	increase	CDKN1B	ENSG00000111276	16140954;
D013876	increase	DDX58	ENSG00000107201	16140955;
D013876	increase	GAS7	ENSG00000007237	16140955;
D013876	increase	GSTP1	ENSG00000084207	16140955;
D013876	increase	HDAC1	ENSG00000116478	16140955;
D013876	increase	ICAM3	ENSG00000076662	16140955;
D013876	increase	IFIT3	ENSG00000119917	16140954;
D013876	increase	IFITM1	ENSG00000185885	16140955;
D013876	increase	IL8	ENSG00000169429	16140955;

D013876	increase	ITGA6	ENSG00000091409	16140955;
D013876	increase	LAMP2	ENSG00000005893	16140955;
D013876	increase	LY6E	ENSG00000160932	16140954;
D013876	increase	MYH9	ENSG00000100345	16140955;
D013876	increase	NMI	ENSG00000123609	16140955;
D013876	increase	RARA	ENSG00000131759	16140955;
D013876	increase	STAT1	ENSG00000115415	16140955;
D013876	increase	STK10	ENSG00000072786	16140955;
D013876	increase	TGM2	ENSG00000198959	16140955;
D013876	increase	TNFSF10	ENSG00000121858	16140955;
D013881	decrease	AP1S1	ENSG00000106367	15342952;
D013881	decrease	SLC2A3	ENSG00000059804	15342952;
D013881	decrease	TAGLN	ENSG00000149591	15342952;
D013881	increase	C10ORF10	ENSG00000165507	15342952;
D013881	increase	FABP1	ENSG00000163586	15342952;
D013881	increase	FNDC4	ENSG00000115226	15342952;
D013881	increase	HPN	ENSG00000105707	15342952;
D013881	increase	INHBE	ENSG00000139269	15342952;
D013881	increase	LSS	ENSG00000160285	15342952;
D013881	increase	NUPR1	ENSG00000176046	15342952;
D013881	increase	PHYH	ENSG00000107537	15342952;
D013881	increase	SERPINA3	ENSG00000196136	15342952;
D013881	increase	WIP1	ENSG00000070540	15342952;
D013893	decrease	SFTPA1	ENSG00000122852	16857225;
D013893	increase	SFTPB	ENSG00000168878	16857225;
D013917	increase	PPBP	ENSG00000163736	15316029;
D013929	increase	PTGS2	ENSG00000073756	8621535;
D013936	decrease	MTR	ENSG00000116984	16598758;
D013974	increase	CDKN1A	ENSG00000124762	17174366;
D013974	increase	FOS	ENSG00000170345	17174366;
D013974	increase	JUN	ENSG00000177606	17174366;
D013974	increase	PCNA	ENSG00000132646	17174366;
D013988	increase	HMOX1	ENSG00000100292	18227147;
D013988	increase	UGT1A1	ENSG00000241635	18227147;
D013989	increase	HMOX1	ENSG00000100292	18227147;
D013989	increase	UGT1A1	ENSG00000241635	18227147;
D014013	increase	BECN1	ENSG00000126581	18032788;
D014013	increase	CXCL1	ENSG00000163739	17395010;
D014013	increase	IL1B	ENSG00000125538	16987005;
D014013	increase	MMP1	ENSG00000196611	16987005;
D014013	increase	MMP9	ENSG00000100985	19371603;
D014025	increase	CCL2	ENSG00000108691	16392133;
D014025	increase	IL8	ENSG00000169429	16392133;
D014025	increase	LITAF	ENSG00000189067	17408380;
D014025	increase	TNF	ENSG00000223952	17408380;
D014028	increase	MMP1	ENSG00000196611	10836612;
D014028	increase	MMP3	ENSG00000149968	10836612;
D014028	increase	PTGS2	ENSG00000073756	17255567;17363495;
D014028	increase	TNF	ENSG00000223952	17450233;
D014047	decrease	IL4	ENSG00000113520	15284827;
D014047	decrease	IL5	ENSG00000113525	15284827;
D014050	increase	CYP2E1	ENSG00000130649	17292523;12464242;18350910;16581535;
D014050	increase	HSPA5	ENSG00000044574	12183065;

D014050	increase	NQO1	ENSG00000181019	9029048;
D014051	affect	EGFR	ENSG00000146648	16908450;
D014051	affect	IL1B	ENSG00000125538	14676436;
D014051	decrease	MMP9	ENSG00000100985	12534559;
D014051	increase	ALB	ENSG00000163631	16908450;14676436;17042142;17030242;15478392;
D014051	increase	CCL5	ENSG00000161570	18447907;16908450;
D014051	increase	CSF2	ENSG00000164400	16908450;
D014051	increase	ICAM1	ENSG00000090339	11698162;
D014051	increase	IL8	ENSG00000169429	16908450;14676436;
D014051	increase	KRT14	ENSG00000186847	15478392;
D014051	increase	KRT19	ENSG00000171345	15478392;
D014051	increase	NOS2	ENSG00000007171	12974195;
D014051	increase	NOS3	ENSG00000164867	12974195;
D014051	increase	TIMP1	ENSG00000102265	12534559;
D014051	increase	VEGFA	ENSG00000112715	18250044;
D014107	affect	EGR1	ENSG00000120738	10739673;
D014107	affect	FOS	ENSG00000170345	10739673;
D014107	affect	MYC	ENSG00000136997	10739673;
D014107	increase	CCL2	ENSG00000108691	11698246;
D014107	increase	CX3CL1	ENSG00000006210	11698246;
D014107	increase	CXCL1	ENSG00000163739	11698246;
D014107	increase	FGF2	ENSG00000138685	16289960;
D014107	increase	ICAM1	ENSG00000090339	11698246;
D014107	increase	IL8	ENSG00000169429	12083423;11698246;
D014107	increase	IRF1	ENSG00000125347	11739238;
D014107	increase	NRP1	ENSG00000099250	16289960;
D014107	increase	TGM2	ENSG00000198959	18295389;
D014107	increase	TNF	ENSG00000223952	11698246;7576814;
D014107	increase	VCAM1	ENSG00000162692	11698246;
D014108	affect	EGR1	ENSG00000120738	10739673;
D014108	affect	FOS	ENSG00000170345	10739673;
D014108	affect	MYC	ENSG00000136997	10739673;
D014108	decrease	ICAM1	ENSG00000090339	11735124;
D014108	decrease	NFKBIA	ENSG00000100906	12574206;15687330;16288038;
D014108	decrease	PLAU	ENSG00000122861	10467400;
D014108	decrease	RELA	ENSG00000173039	12016129;17136479;10640779;10616907;15687330;10467400;16288038;
D014108	decrease	TGFB1	ENSG00000105329	16288038;
D014108	decrease	VCAM1	ENSG00000162692	11735124;
D014108	increase	CCL2	ENSG00000108691	16600694;12016129;
D014108	increase	CDKN1A	ENSG00000124762	12821135;
D014108	increase	CTSD	ENSG00000117984	10772776;
D014108	increase	IL17A	ENSG00000112115	12016129;
D014108	increase	IL6	ENSG00000136244	12016129;10616907;
D014108	increase	IL8	ENSG00000169429	10540334;12016129;12574206;15687330;
D014108	increase	TNF	ENSG00000223952	10640779;10616907;12574206;15687330;
D014112	decrease	CDKN1A	ENSG00000124762	12473173;
D014112	decrease	GJA1	ENSG00000152661	8820588;
D014112	decrease	RB1	ENSG00000139687	10048758;
D014112	increase	BRCA1	ENSG00000012048	12473173;

D014112	increase	TFF1	ENSG00000160182	9276643;12473173;
D014212	affect	ALOX15	ENSG00000161905	15996861;
D014212	affect	BCMO1	ENSG00000135697	16186334;
D014212	affect	CDH1	ENSG00000039068	17034753;
D014212	affect	CREBBP	ENSG00000005339	16050810;17307735;16757381;16417649;
D014212	affect	CTCF	ENSG00000102974	16054129;
D014212	affect	ELF1	ENSG00000120690	16054129;
D014212	affect	ELF2	ENSG00000109381	16054129;
D014212	affect	ERF	ENSG00000105722	16054129;
D014212	affect	GREM1	ENSG00000166923	15268896;
D014212	affect	IL18	ENSG00000150782	17253143;
D014212	affect	IRF8	ENSG00000140968	16918696;
D014212	affect	MAPK3	ENSG00000102882	16922813;16149052;16050810;16470170;16329108;16849523;17293044;1643930
D014212	affect	MNT	ENSG00000070444	16054129;
D014212	affect	MXI1	ENSG00000119950	16054129;
D014212	affect	RBMS1	ENSG00000153250	16054129;
D014212	affect	STAT2	ENSG00000170581	16918696;
D014212	decrease	ABCB10	ENSG00000135776	12875902;
D014212	decrease	ABCE1	ENSG00000164163	16140955;
D014212	decrease	ALB	ENSG00000163631	16569428;17184834;17217919;16608438;
D014212	decrease	ALDH1A1	ENSG00000165092	15470086;16614850;
D014212	decrease	ALDH3A1	ENSG00000108602	15470086;16614850;
D014212	decrease	AMD1	ENSG00000123505	16054129;
D014212	decrease	ANXA2	ENSG00000182718	16140955;16197459;
D014212	decrease	ANXA8L2	ENSG00000186807	16140955;
D014212	decrease	ASF1B	ENSG00000105011	16249480;
D014212	decrease	ASS1	ENSG00000130707	12875902;16129123;
D014212	decrease	ATAD2	ENSG00000156802	16249480;
D014212	decrease	ATP13A3	ENSG00000133657	16054129;
D014212	decrease	ATP2A2	ENSG00000174437	16054129;
D014212	decrease	AURKAIP1	ENSG00000175756	17218384;
D014212	decrease	AURKB	ENSG00000178999	16249480;
D014212	decrease	BCL2	ENSG00000171791	15790450;16909596;12644474;15770638;16517207;16572199;16109544;16109552;17077328;16778211;16242776;16196285;20349282;
D014212	decrease	BCL2L1	ENSG00000171552	15790450;16135400;16242776;
D014212	decrease	BID	ENSG00000015475	16242776;
D014212	decrease	BIRC5	ENSG00000089685	16473406;16574167;18304466;16135400;20349282;
D014212	decrease	BRAF	ENSG00000157764	17045167;
D014212	decrease	BTC	ENSG00000174808	16470170;
D014212	decrease	CAPZA1	ENSG00000116489	17051635;
D014212	decrease	CBX1	ENSG00000108468	16569592;
D014212	decrease	CBX3	ENSG00000122565	15982314;16569592;
D014212	decrease	CBX5	ENSG00000094916	16569592;
D014212	decrease	CCL5	ENSG00000161570	17118196;
D014212	decrease	CCNA2	ENSG00000145386	17138961;16517207;
D014212	decrease	CCNB1	ENSG00000134057	16517207;

D014212	decrease	CCNB2	ENSG00000157456	16574167; 16517207;16766008;16765
D014212	decrease	CCNE1	ENSG00000105173	349;15194426;16054129;17 349212;
D014212	decrease	CCNE2	ENSG00000175305	16054129;17138961;
D014212	decrease	CD34	ENSG00000174059	16443354;
D014212	decrease	CD40	ENSG00000101017	16443354;
D014212	decrease	CD44	ENSG00000026508	17349212;
D014212	decrease	CDC6	ENSG00000094804	16249480;
D014212	decrease	CDCA3	ENSG00000111665	16249480;
D014212	decrease	CDCA7L	ENSG00000164649	17218384;
D014212	decrease	CDK1	ENSG00000170312	16888198;17138961;16517 207;
D014212	decrease	CDK2	ENSG00000123374	16766008;16765349;16517 207;
D014212	decrease	CDKN1C	ENSG00000129757	15982314;
D014212	decrease	CDT1	ENSG00000167513	16249480;
D014212	decrease	CEBPG	ENSG00000153879	17218384;
D014212	decrease	CEBPZ	ENSG00000115816	16054129;
D014212	decrease	CIAO1	ENSG00000144021	17218384;
D014212	decrease	CKB	ENSG00000166165	15982314;
D014212	decrease	CNBP	ENSG00000169714	17218384;
D014212	decrease	COL17A1	ENSG00000065618	15982314;
D014212	decrease	COL6A1	ENSG00000142156	15982314;
D014212	decrease	COL8A2	ENSG00000171812	15982314;
D014212	decrease	CR2	ENSG00000117322	16443354;
D014212	decrease	CSE1L	ENSG00000124207	16140955;
D014212	decrease	CSF3	ENSG00000108342	17118196;
D014212	decrease	CSNK2B	ENSG00000224398	17218384;
D014212	decrease	CTNNA1	ENSG00000044115	12875902;
D014212	decrease	CTPS	ENSG00000171793	16054129;
D014212	decrease	CTSG	ENSG00000100448	17218384;
D014212	decrease	CUL4A	ENSG00000139842	17218384;
D014212	decrease	CUL5	ENSG00000166266	17045167;
D014212	decrease	CXCL1	ENSG00000163739	15982314;
D014212	decrease	CYP1A1	ENSG00000140465	12870655;16882163;
D014212	decrease	CYP2C18	ENSG00000108242	16985168;
D014212	decrease	CYP2C19	ENSG00000165841	16985168;
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D014212	decrease	CYP2J2	ENSG00000134716	16985168;
D014212	decrease	CYP2W1	ENSG00000073067	16985168;
D014212	decrease	CYP3A7	ENSG00000160870	16041241;15982314;
D014212	decrease	CYTL1	ENSG00000170891	17218384;
D014212	decrease	DAG1	ENSG00000173402	17045167;
D014212	decrease	DCK	ENSG00000156136	17218384;
D014212	decrease	DDAH2	ENSG00000225635	17218384;
D014212	decrease	DDX10	ENSG00000178105	16140955;
D014212	decrease	DDX18	ENSG00000088205	16140955;
D014212	decrease	DDX21	ENSG00000165732	16054129;
D014212	decrease	DDX39	ENSG00000123136	16249480;
D014212	decrease	DEGS1	ENSG00000143753	16249480;
D014212	decrease	DEK	ENSG00000124795	17218384;
D014212	decrease	DIABLO	ENSG00000184047	20349282;
D014212	decrease	DLK1	ENSG00000185559	16012519;

D014212	decrease	DNMT1	ENSG00000130816	17273765;
D014212	decrease	DNMT3A	ENSG00000119772	17273765;
D014212	decrease	DNMT3B	ENSG00000088305	17273765;
D014212	decrease	DPPA3	ENSG00000187569	16168501;
D014212	decrease	DPYSL2	ENSG00000092964	17229153;
D014212	decrease	DSC1	ENSG00000134765	15982314;
D014212	decrease	DUSP11	ENSG00000144048	15982314;
D014212	decrease	EBNA1BP2	ENSG00000117395	16054129;
D014212	decrease	EDN3	ENSG00000124205	16443354;
D014212	decrease	EEF1A2	ENSG00000101210	15770638;
D014212	decrease	EEF1G	ENSG00000149016	17218384;
D014212	decrease	EGFR	ENSG00000146648	17310985;15982314;15970678;16473924;
D014212	decrease	EIF2S1	ENSG00000134001	16054129;
D014212	decrease	EIF3B	ENSG00000106263	16140955;12875902;
D014212	decrease	EIF3C	ENSG00000184110	16140955;
D014212	decrease	EIF4EBP1	ENSG00000187840	16140955;17218384;
D014212	decrease	EIF4EBP2	ENSG00000148730	15982314;
D014212	decrease	EIF4E	ENSG00000151247	16140955;
D014212	decrease	ENO1	ENSG00000074800	16054129;17051635;
D014212	decrease	ERBB2	ENSG00000141736	16752155;
D014212	decrease	ETV5	ENSG00000244405	16054129;
D014212	decrease	F3	ENSG00000117525	16206674;
D014212	decrease	FASTK	ENSG00000164896	15982314;
D014212	decrease	FEN1	ENSG00000168496	16054129;16249480;
D014212	decrease	FGF12	ENSG00000114279	17045167;
D014212	decrease	FGF1	ENSG00000113578	15982314;
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D014212	decrease	FGFR3	ENSG00000068078	7680553;
D014212	decrease	FGFR4	ENSG00000160867	7680553;
D014212	decrease	FKBP8	ENSG00000105701	15982314;
D014212	decrease	FLT3	ENSG00000122025	16473406;
D014212	decrease	FSCN1	ENSG00000075618	17218384;
D014212	decrease	FUBP1	ENSG00000162613	16054129;
D014212	decrease	FUBP3	ENSG00000107164	16140955;
D014212	decrease	FUS	ENSG00000089280	16249480;
D014212	decrease	GAK	ENSG00000178950	16443354;
D014212	decrease	GARS	ENSG00000106105	16140955;
D014212	decrease	GART	ENSG00000159131	16054129;
D014212	decrease	GBA	ENSG00000177628	15982314;
D014212	decrease	GDF2	ENSG00000128802	15982314;
D014212	decrease	GDF3	ENSG00000184344	16168501;
D014212	decrease	GFI1	ENSG00000162676	16888099;
D014212	decrease	GINS1	ENSG00000101003	16054129;
D014212	decrease	GINS2	ENSG00000131153	16249480;
D014212	decrease	GLUD1	ENSG00000148672	17098229;
D014212	decrease	GRB10	ENSG00000106070	16140955;
D014212	decrease	GRB7	ENSG00000141738	15982314;
D014212	decrease	GSTM1	ENSG00000134184	15982314;
D014212	decrease	GTF2A1	ENSG00000165417	16646664;
D014212	decrease	GTF2A1L	ENSG00000242441	16646664;
D014212	decrease	GTF2A2	ENSG00000140307	16646664;
D014212	decrease	GTF2H3	ENSG00000111358	17045167;
D014212	decrease	GTSE1	ENSG00000075218	16249480;

D014212	decrease	GZMB	ENSG00000100453	17107666;
D014212	decrease	H2AFX	ENSG00000188486	16249480;
D014212	decrease	HAT1	ENSG00000128708	16054129;
D014212	decrease	HDAC11	ENSG00000163517	17218384;
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D014212	decrease	HHEX	ENSG00000152804	17218384;16854221;
D014212	decrease	HJURP	ENSG00000123485	16249480;
D014212	decrease	HMGB2	ENSG00000164104	16249480;
D014212	decrease	HNRNPAB	ENSG00000197451	17098229;
D014212	decrease	HNRNPH3	ENSG00000096746	17098229;
D014212	decrease	HSP90AB1	ENSG00000096384	17218384;
D014212	decrease	HSPA8	ENSG00000109971	17218384;
D014212	decrease	HSPD1	ENSG00000144381	12875902;17318229;
D014212	decrease	HSPE1	ENSG00000115541	12875902;17218384;
D014212	decrease	IFI44	ENSG00000137965	16249480;
D014212	decrease	IGFBP2	ENSG00000115457	17218384;
D014212	decrease	IGFBP5	ENSG00000115461	16443354;
D014212	decrease	IL10RA	ENSG00000110324	15982314;
D014212	decrease	IL12A	ENSG00000168811	16872382;15189689;17118196;
D014212	decrease	IL24	ENSG00000162892	15982314;
D014212	decrease	IL2	ENSG00000109471	11171635;17118196;
D014212	decrease	IL6	ENSG00000136244	17033190;17134824;17118196;
D014212	decrease	ILF3	ENSG00000129351	16249480;
D014212	decrease	ILKAP	ENSG00000132323	17218384;
D014212	decrease	INHBC	ENSG00000175189	16249480;
D014212	decrease	IRX3	ENSG00000177508	17218384;
D014212	decrease	JUN	ENSG00000177606	16959971;
D014212	decrease	KIAA0020	ENSG00000080608	17218384;16054129;
D014212	decrease	KIF22	ENSG00000079616	16249480;
D014212	decrease	KIF2C	ENSG00000142945	16249480;
D014212	decrease	KPNA2	ENSG00000182481	18614847;
D014212	decrease	KPNB1	ENSG00000108424	18614847;
D014212	decrease	KRT5	ENSG00000186081	15982314;
D014212	decrease	KRT6A	ENSG00000205420	15982314;
D014212	decrease	KRT75	ENSG00000170454	15982314;
D014212	decrease	LAMA2	ENSG00000196569	15982314;
D014212	decrease	LAMA3	ENSG00000053747	15982314;
D014212	decrease	LGALS1	ENSG00000100097	17218384;
D014212	decrease	LGALS3	ENSG00000131981	12875902;
D014212	decrease	LIG1	ENSG00000105486	16249480;
D014212	decrease	LOR	ENSG00000203782	16985168;
D014212	decrease	LPP	ENSG00000145012	12875902;
D014212	decrease	LTBR	ENSG00000111321	20349282;
D014212	decrease	LYL1	ENSG00000104903	17218384;
D014212	decrease	MAD1L1	ENSG00000002822	16140955;
D014212	decrease	MAGOH	ENSG00000162385	16249480;
D014212	decrease	MBP	ENSG00000197971	7579340;
D014212	decrease	MCM10	ENSG00000065328	16249480;
D014212	decrease	MCM2	ENSG00000073111	16249480;
D014212	decrease	MCM3	ENSG00000112118	16054129;
D014212	decrease	MCM5	ENSG00000100297	16249480;
D014212	decrease	MCM7	ENSG00000166508	16249480;

D014212	decrease	MEF2D	ENSG00000116604	15059897;
D014212	decrease	MFAP2	ENSG00000117122	15982314;
D014212	decrease	MGAT5	ENSG00000152127	16411021;16406367;17031849;
D014212	decrease	MKI67	ENSG00000148773	16249480;16461808;
D014212	decrease	MMP26	ENSG00000167346	16984259;
D014212	decrease	MMP9	ENSG00000100985	16914095;
D014212	decrease	MND1	ENSG00000121211	17218384;
D014212	decrease	MPHOSPH9	ENSG00000051825	16249480;
D014212	decrease	MPO	ENSG00000005381	16140954;17218384;12130515;
D014212	decrease	MRPL24	ENSG00000143314	16249480;
D014212	decrease	MRPS12	ENSG00000128626	17045167;
D014212	decrease	MYB	ENSG00000118513	12875902;17218384;
D014212	decrease	MYBL2	ENSG00000101057	12875902;17318229;
D014212	decrease	MYC	ENSG00000136997	16140955;16054129;17310985;12875902;17453147;17229153;15770638;17218384;17318229;
D014212	decrease	MYCN	ENSG00000134323	17486130;17283129;17229153;
D014212	decrease	NANOG	ENSG00000111704	16168501;17138961;
D014212	decrease	NANS	ENSG00000095380	17098229;
D014212	decrease	NCR1	ENSG00000189430	17107666;
D014212	decrease	NCR3	ENSG00000225211	17107666;
D014212	decrease	NDUFS8	ENSG00000110717	17218384;
D014212	decrease	NFYA	ENSG00000001167	16443354;
D014212	decrease	NME1	ENSG00000239672	16054129;16443354;
D014212	decrease	NOLC1	ENSG00000166197	16054129;
D014212	decrease	NOP16	ENSG00000048162	16054129;
D014212	decrease	NPM1	ENSG00000181163	17318229;
D014212	decrease	NRGN	ENSG00000154146	16249480;
D014212	decrease	NTHL1	ENSG00000065057	16140955;
D014212	decrease	NUSAP1	ENSG00000137804	16249480;
D014212	decrease	ODC1	ENSG00000115758	15982314;
D014212	decrease	OS9	ENSG00000135506	16443354;
D014212	decrease	PA2G4	ENSG00000170515	16054129;
D014212	decrease	PAICS	ENSG00000128050	16054129;
D014212	decrease	PAX3	ENSG00000135903	17229153;
D014212	decrease	PDCD5	ENSG00000105185	12875902;
D014212	decrease	PDXK	ENSG00000160209	17051635;
D014212	decrease	PECI	ENSG00000198721	16140955;
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D014212	decrease	PGK1	ENSG00000102144	17051635;
D014212	decrease	PHB	ENSG00000167085	12875902;
D014212	decrease	PHC1	ENSG00000111752	16168501;
D014212	decrease	PLK1	ENSG00000166851	16249480;
D014212	decrease	PNP	ENSG00000198805	16054129;
D014212	decrease	POLD3	ENSG00000077514	16054129;
D014212	decrease	POLE2	ENSG00000100479	16054129;
D014212	decrease	POLR1C	ENSG00000171453	16054129;
D014212	decrease	POU2AF1	ENSG00000110777	12875902;
D014212	decrease	POU5F1	ENSG00000235068	16168501;17138961;
D014212	decrease	PPIA	ENSG00000196262	17098229;
D014212	decrease	PPIL6	ENSG00000185250	17218384;

D014212	decrease	PPM1G	ENSG00000115241	16140955;
D014212	decrease	PPP1R3C	ENSG00000119938	16249480;
D014212	decrease	PPP2CA	ENSG00000113575	16206244;
D014212	decrease	PPP3CA	ENSG00000138814	16140955;
D014212	decrease	PRDX1	ENSG00000117450	12875902;16054129;
D014212	decrease	PRMT1	ENSG00000126457	16140955;16782888;17218384;
D014212	decrease	PRRX1	ENSG00000116132	17045167;
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D014212	decrease	PSMA1	ENSG00000129084	17098229;
D014212	decrease	PSMC2	ENSG00000161057	17218384;
D014212	decrease	PSMD11	ENSG00000108671	16054129;
D014212	decrease	PTMA	ENSG00000187514	17218384;
D014212	decrease	PTPN3	ENSG00000070159	16129123;
D014212	decrease	PTPRK	ENSG00000152894	17045167;
D014212	decrease	PTPRU	ENSG00000060656	16012519;
D014212	decrease	RAB6A	ENSG00000175582	16443354;
D014212	decrease	RABGGTB	ENSG00000137955	16140955;
D014212	decrease	RAGE	ENSG00000080823	16140955;
D014212	decrease	RAP2A	ENSG00000125249	16140955;
D014212	decrease	RARS	ENSG00000113643	16054129;
D014212	decrease	RFC2	ENSG00000049541	16249480;
D014212	decrease	RFC3	ENSG00000133119	16054129;
D014212	decrease	RHOA	ENSG00000067560	15982314;
D014212	decrease	RHOB	ENSG00000143878	15982314;
D014212	decrease	RIN1	ENSG00000174791	17045167;
D014212	decrease	RNF5	ENSG00000225452	15982314;
D014212	decrease	RNF7	ENSG00000114125	17218384;
D014212	decrease	RPE65	ENSG00000116745	12910240;
D014212	decrease	RRAGA	ENSG00000155876	17045167;
D014212	decrease	RUVBL1	ENSG00000175792	17051635;
D014212	decrease	RUVBL2	ENSG00000183207	16140955;
D014212	decrease	S100A1	ENSG00000160678	15982314;
D014212	decrease	SCNN1A	ENSG00000111319	16168501;
D014212	decrease	SELP	ENSG00000174175	16206674;
D014212	decrease	SERPINB8	ENSG00000166401	15982314;
D014212	decrease	SERPINB9	ENSG00000170542	15982314;
D014212	decrease	SF3A3	ENSG00000183431	16054129;
D014212	decrease	SFRS3	ENSG00000112081	16054129;
D014212	decrease	SGCB	ENSG00000163069	17045167;
D014212	decrease	SKA1	ENSG00000154839	16249480;
D014212	decrease	SKP2	ENSG00000145604	16618747;
D014212	decrease	SLC16A1	ENSG00000155380	15982314;
D014212	decrease	SLC26A10	ENSG00000135502	17218384;
D014212	decrease	SLC43A3	ENSG00000134802	16249480;
D014212	decrease	SLC7A1	ENSG00000139514	16054129;
D014212	decrease	SLC7A5	ENSG00000103257	16054129;
D014212	decrease	SMARCA5	ENSG00000153147	17045167;
D014212	decrease	SNRPB	ENSG00000125835	17218384;
D014212	decrease	SOCS1	ENSG00000185338	15982314;
D014212	decrease	SPRR1B	ENSG00000169469	15982314;
D014212	decrease	SRM	ENSG00000116649	12875902;
D014212	decrease	SRPK1	ENSG00000096063	12875902;
D014212	decrease	SRRT	ENSG00000087087	17218384;

D014212	decrease	STMN1	ENSG00000117632	17218384;
D014212	decrease	SULT1A3	ENSG00000213599	17045167;
D014212	decrease	SULT2A1	ENSG00000105398	15982314;
D014212	decrease	SUMO1	ENSG00000116030	17218384;
D014212	decrease	TBR1	ENSG00000136535	17045167;
D014212	decrease	TBX21	ENSG00000073861	17118196;
D014212	decrease	TCF12	ENSG00000140262	12875902;
D014212	decrease	TCOF1	ENSG00000070814	16249480;
D014212	decrease	TDGF1	ENSG00000241186	16954206;
D014212	decrease	TERT	ENSG00000164362	16054129;15770638;16584924;16482212;17273765;
D014212	decrease	TFDP2	ENSG00000114126	16129123;
D014212	decrease	TFRC	ENSG00000072274	16054129;
D014212	decrease	TGM1	ENSG00000092295	15982314;16985168;17147502;
D014212	decrease	TIAL1	ENSG00000151923	16012519;
D014212	decrease	TNFRSF10A	ENSG00000104689	16242776;
D014212	decrease	TNPO2	ENSG00000105576	18614847;
D014212	decrease	TOE1	ENSG00000132773	16054129;
D014212	decrease	TPM4	ENSG00000167460	16140955;
D014212	decrease	TPT1	ENSG00000133112	17218384;
D014212	decrease	TPX2	ENSG00000088325	16249480;
D014212	decrease	TRIP10	ENSG00000125733	16443354;
D014212	decrease	TSHR	ENSG00000165409	17679169;
D014212	decrease	TSR1	ENSG00000167721	16054129;
D014212	decrease	TYMS	ENSG00000176890	16249480;
D014212	decrease	UBA3	ENSG00000144744	17218384;
D014212	decrease	UBE2A	ENSG00000077721	16443354;
D014212	decrease	UBE2S	ENSG00000108106	16249480;
D014212	decrease	UBE3A	ENSG00000114062	16140955;
D014212	decrease	USP18	ENSG00000184979	16249480;
D014212	decrease	USP1	ENSG00000162607	16249480;
D014212	decrease	UTF1	ENSG00000171794	17138961;
D014212	decrease	UVRAG	ENSG00000198382	15982314;
D014212	decrease	VCAM1	ENSG00000162692	16443354;
D014212	decrease	VIM	ENSG00000026025	16129123;17045167;17218384;
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D014212	decrease	WNT2	ENSG00000105989	17045167;
D014212	decrease	XPO1	ENSG00000082898	18614847;
D014212	decrease	XPO5	ENSG00000124571	18614847;
D014212	decrease	XPO6	ENSG00000169180	18614847;
D014212	decrease	XPO7	ENSG00000130227	18614847;
D014212	decrease	XPOT	ENSG00000184575	18614847;
D014212	decrease	YBX1	ENSG00000065978	17218384;
D014212	increase	ABCB1	ENSG00000085563	16223781;
D014212	increase	ABCC3	ENSG00000108846	16249480;
D014212	increase	ABCC6	ENSG00000091262	17045963;
D014212	increase	ACTA2	ENSG00000107796	17069765;17053324;
D014212	increase	ADAM10	ENSG00000137845	15972296;16279945;
D014212	increase	ADD3	ENSG00000148700	16140955;16054129;
D014212	increase	ADM	ENSG00000148926	16054129;
D014212	increase	AES	ENSG00000104964	16054129;
D014212	increase	AHR	ENSG00000106546	16480812;

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D014212	increase	AKAP12	ENSG00000131016	16249480;
				16417524;16617325;12556
D014212	increase	AKT1	ENSG00000142208	562;16043647;16456186;17
				259349;17293044;
D014212	increase	ALAS1	ENSG00000023330	16140955;17218384;
D014212	increase	ALDH1A2	ENSG00000128918	16166285;16982809;
D014212	increase	ALDH2	ENSG00000111275	16249480;
D014212	increase	ALOX5AP	ENSG00000132965	17218384;
D014212	increase	ALOX5	ENSG00000012779	16129123;
D014212	increase	ALPL	ENSG00000162551	10567916;
D014212	increase	ANAPC5	ENSG00000089053	17218384;
D014212	increase	ANXA11	ENSG00000122359	16249480;
D014212	increase	ANXA1	ENSG00000135046	16140955;15982314;
D014212	increase	ANXA5	ENSG00000164111	15982314;
D014212	increase	APBA3	ENSG00000011132	17045167;
D014212	increase	APLP1	ENSG00000105290	16150056;
D014212	increase	APLP2	ENSG00000084234	16150056;16054129;16279
				945;17218384;
D014212	increase	APOD	ENSG00000189058	15982314;
D014212	increase	APP	ENSG00000142192	16150056;17199430;
D014212	increase	AQP9	ENSG00000103569	16968895;
D014212	increase	AREG	ENSG00000205595	16470170;
D014212	increase	ARHGDIB	ENSG00000111348	17218384;
D014212	increase	ARHGEF2	ENSG00000116584	16054129;
				16922813;16468075;16720
D014212	increase	ARL6IP5	ENSG00000144746	286;16430862;
D014212	increase	ARPC3	ENSG00000111229	17218384;
D014212	increase	ASL	ENSG00000126522	16012519;17218384;
D014212	increase	ASNA1	ENSG00000198356	16054129;
D014212	increase	ATP6V1A	ENSG00000114573	16054129;
D014212	increase	ATP7A	ENSG00000165240	16012519;
D014212	increase	ATPIF1	ENSG00000251077	16826196;
D014212	increase	B2M	ENSG00000166710	17218384;
D014212	increase	BACE1	ENSG00000186318	16279945;
D014212	increase	BAD	ENSG00000002330	17387344;20349282;
D014212	increase	BAK1	ENSG00000030110	16778211;
				16242776;15790450;16909
D014212	increase	BAX	ENSG00000087088	596;14646600;16411021;16
				109552;16196285;1610954
				4;20349282;
D014212	increase	BBOX1	ENSG00000129151	16249480;
D014212	increase	BCCIP	ENSG00000107949	17218384;
D014212	increase	BCL2A1	ENSG00000140379	12130515;16572199;
D014212	increase	BCL3	ENSG00000069399	17045167;
D014212	increase	BDNF	ENSG00000176697	16150056;
D014212	increase	BIRC2	ENSG00000110330	16140955;20349282;
D014212	increase	BLMH	ENSG00000108578	16054129;
D014212	increase	BLNK	ENSG00000095585	16249480;
D014212	increase	BLVRB	ENSG00000090013	16249480;
D014212	increase	BMP2	ENSG00000125845	15268896;17196394;
D014212	increase	BMP4	ENSG00000125378	15268896;17196394;
D014212	increase	BMP6	ENSG00000153162	15268896;17196394;
D014212	increase	BMP7	ENSG00000101144	17196394;
D014212	increase	BRCA1	ENSG00000012048	16054129;

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D014212	increase	BTG2	ENSG00000159388	16782888;
D014212	increase	C10ORF116	ENSG00000148671	16249480;
D014212	increase	C2ORF54	ENSG00000172478	16249480;
D014212	increase	C9ORF3	ENSG00000148120	16249480;
D014212	increase	CA2	ENSG00000104267	15970678;16249480;
D014212	increase	CA6	ENSG00000131686	16054129;
D014212	increase	CADM1	ENSG00000182985	16054129;
D014212	increase	CAPN10	ENSG00000142330	17218384;
D014212	increase	CASP1	ENSG00000137752	16085646;
				16168621;16411021;16242776;16196285;16765349;16135400;16935849;16909596;16157052;16109544;16826196;20349282;
D014212	increase	CASP3	ENSG00000164305	135400;16935849;16909596;16157052;16109544;16826196;20349282;
D014212	increase	CASP7	ENSG00000165806	16166294;20349282;
D014212	increase	CASP9	ENSG00000132906	16166294;17387344;16826196;
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D014212	increase	CCL3	ENSG00000006075	17218384;
D014212	increase	CCNA1	ENSG00000133101	16517207;12875902;
				16024653;17310985;17431121;15695403;16565789;17453147;17387344;
D014212	increase	CCND1	ENSG00000110092	16024653;
D014212	increase	CCND2	ENSG00000118971	16024653;16920920;
D014212	increase	CCND3	ENSG00000112576	15753651;
D014212	increase	CCNT1	ENSG00000129315	16019559;14646600;15988048;16766008;
D014212	increase	CD14	ENSG00000170458	17392484;16054129;
D014212	increase	CD1D	ENSG00000158473	17077328;16226872;16054129;16329108;16275619;
D014212	increase	CD38	ENSG00000004468	12875902;
D014212	increase	CD3G	ENSG00000160654	17361223;
D014212	increase	CD4	ENSG00000010610	16140955;
D014212	increase	CD53	ENSG00000143119	16249480;
D014212	increase	CD55	ENSG00000196352	16168501;17218384;
D014212	increase	CD9	ENSG00000010278	16149052;
D014212	increase	CDH2	ENSG00000170558	16443354;
D014212	increase	CDK11A	ENSG00000008128	16149052;
D014212	increase	CDK5	ENSG00000164885	17045167;
D014212	increase	CDK5R1	ENSG00000176749	15753651;
D014212	increase	CDK9	ENSG00000136807	16140954;15790450;17431121;16766008;16223781;17349212;17138961;12130515;15695403;16765349;16752155;16461808;17341627;16618747;16140954;17431121;17349212;15194426;16752155;15695403;
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D014212	increase	CDKN1B	ENSG00000111276	17138961;
D014212	increase	CDKN2A	ENSG00000147889	16140955;
D014212	increase	CDKN2B	ENSG00000147883	16322758;
D014212	increase	CDKN2C	ENSG00000123080	
D014212	increase	CDKN2D	ENSG00000129355	

D014212	increase	CEBPA	ENSG00000245848	16226872;16918696;16608438;16325577;
D014212	increase	CEBPB	ENSG00000172216	16918696;16608438;16352814;17218384;
D014212	increase	CEBPE	ENSG00000092067	16918696;17431504;16766008;12130515;16054129;15770638;16647867;
D014212	increase	CFB	ENSG00000243570	16249480;
D014212	increase	CFLAR	ENSG00000003402	16242776;
D014212	increase	CGB	ENSG00000213030	15941851;
D014212	increase	CHI3L1	ENSG00000133048	16249480;
D014212	increase	CIITA	ENSG00000179583	17229644;
D014212	increase	CITED2	ENSG00000164442	17138961;
D014212	increase	CLEC7A	ENSG00000172243	16249480;
D014212	increase	CLIP1	ENSG00000130779	16574066;
D014212	increase	CLMN	ENSG00000165959	16688769;
D014212	increase	CLTB	ENSG00000175416	16054129;
D014212	increase	CNN1	ENSG00000130176	17069765;
D014212	increase	CNN2	ENSG00000064666	16012519;
D014212	increase	CNPY2	ENSG00000144785	17218384;
D014212	increase	CNTF	ENSG00000242689	17017122;
D014212	increase	COL1A1	ENSG00000108821	17034753;
D014212	increase	COL4A2	ENSG00000134871	12875902;17034753;
D014212	increase	COL4A5	ENSG00000188153	17138961;
D014212	increase	COL4A6	ENSG00000197565	17138961;
D014212	increase	COL9A2	ENSG00000049089	16140955;
D014212	increase	CORO1A	ENSG00000102879	17218384;16040207;
D014212	increase	COX2	ENSG00000198712	16699180;16826196;
D014212	increase	COX4I1	ENSG00000131143	16826196;
D014212	increase	COX7A2	ENSG00000112695	17218384;
D014212	increase	CRABP1	ENSG00000166426	16254461;7556191;16012519;16959971;
D014212	increase	CRABP2	ENSG00000143320	16166294;17486130;15958702;16979656;17034753;17431108;15225641;
D014212	increase	CREG1	ENSG00000143162	17218384;
D014212	increase	CRYAB	ENSG00000109846	16249480;
D014212	increase	CSF1R	ENSG00000182578	16439309;
D014212	increase	CSF3R	ENSG00000119535	7579340;16054129;
D014212	increase	CSRP3	ENSG00000129170	17045167;
D014212	increase	CST6	ENSG00000175315	16249480;
D014212	increase	CSTA	ENSG00000121552	17218384;
D014212	increase	CTNNB1	ENSG00000168036	17219422;
D014212	increase	CTSD	ENSG00000117984	16054129;17218384;
D014212	increase	CXCL16	ENSG00000161921	16142401;
D014212	increase	CXCL9	ENSG00000138755	16443354;
D014212	increase	CXCR5	ENSG00000160683	16443354;
D014212	increase	CYB5R2	ENSG00000166394	16249480;
D014212	increase	CYBA	ENSG00000051523	16054129;17218384;
D014212	increase	CYP11A1	ENSG00000140459	16621909;
D014212	increase	CYP17A1	ENSG00000148795	16621909;
D014212	increase	CYP19A1	ENSG00000137869	15941851;16443354;
D014212	increase	CYP1A2	ENSG00000140505	16882163;16985168;
D014212	increase	CYP1B1	ENSG00000138061	12870655;16985168;
D014212	increase	CYP24A1	ENSG00000019186	16289102;16249480;

D014212	increase	CYP26A1	ENSG00000095596	17460545;16194896;17486130;15291358;16012519;16882163;17431108;17218384;17138961;12870655;1724
D014212	increase	CYP26B1	ENSG00000003137	16574820;17486130;17431108;
D014212	increase	CYP2S1	ENSG00000167600	16054184;16985168;
D014212	increase	CYP2U1	ENSG00000155016	16985168;
D014212	increase	CYP3A4	ENSG00000160868	12870655;16632523;16985168;
D014212	increase	CYP4A11	ENSG00000187048	16712844;15982314;
D014212	increase	CYP4B1	ENSG00000142973	16985168;16249480;
D014212	increase	CYP4F3	ENSG00000186529	17218384;
D014212	increase	DAB2	ENSG00000153071	17138961;
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D014212	increase	DCX	ENSG00000077279	16012519;
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D014212	increase	FAS	ENSG00000026103	513;16712844;16136269;20
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D014212	increase	GNS	ENSG00000135677	16054129;
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D014212	increase	GSR	ENSG00000104687	17169568;
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D014212	increase	HAS2	ENSG00000170961	17307735;
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D014212	increase	HIST2H2BE	ENSG00000184678	16249480;
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D014212	increase	IFI6	ENSG00000126709	16054129;16129123;
D014212	increase	IFIT3	ENSG00000119917	16140954;12130515;15059897;
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D014212	increase	IFNB1	ENSG00000171855	16826196;
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D014212	increase	IGF1	ENSG00000017427	16680587;16565789;15982314;
D014212	increase	IGF2	ENSG00000167244	15982314;16680587;
D014212	increase	IGFBP3	ENSG00000146674	15982314;16480812;16951191;16012519;
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D014212	increase	IL13	ENSG00000169194	17118196;
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D014212	increase	IL1B	ENSG00000125538	15982314;17118196;14646600;16804330;
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D014212	increase	NRIP1	ENSG00000180530	16249480;
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D014212	increase	NTRK1	ENSG00000198400	17085092;
D014212	increase	NTRK2	ENSG00000148053	16150056;16051641;17085092;
D014212	increase	NTRK3	ENSG00000140538	16996685;17085092;
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D014212	increase	OGDH	ENSG00000105953	16054129;
D014212	increase	OGFR	ENSG00000060491	16054129;
D014212	increase	OLR1	ENSG00000173391	17034753;
D014212	increase	OMG	ENSG00000126861	12875902;
D014212	increase	OR51B4	ENSG00000183251	17218384;
D014212	increase	OSM	ENSG00000099985	16467367;
D014212	increase	P2RY2	ENSG00000175591	12875902;
D014212	increase	P4HA2	ENSG00000072682	17138961;
D014212	increase	PALLD	ENSG00000129116	16054129;
D014212	increase	PAX8	ENSG00000125618	19524134;
D014212	increase	PDCD4	ENSG00000150593	17259349;
D014212	increase	PDK4	ENSG00000004799	16757381;
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D014212	increase	PGAP2	ENSG00000249611	16249480;
D014212	increase	PGD	ENSG00000142657	16140955;
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D014212	increase	PIK3CG	ENSG00000105851	16054129;
D014212	increase	PIK3IP1	ENSG00000100100	16249480;
D014212	increase	PIM1	ENSG00000137193	16140955;
D014212	increase	PIR	ENSG00000087842	15982314;

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D014212	increase	PLAT	ENSG00000104368	15982314;17138961;1743108;16012519;
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D014212	increase	PLD3	ENSG00000105223	16054129;
D014212	increase	PLEK	ENSG00000115956	16129123;
D014212	increase	PLK2	ENSG00000145632	17431108;
D014212	increase	PLOD2	ENSG00000152952	17138961;
D014212	increase	PLTP	ENSG00000100979	16054129;
D014212	increase	PMAIP1	ENSG00000141682	12875902;
D014212	increase	PML	ENSG00000140464	16935935;16352814;16249480;12130515;15748426;12015078;
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D014212	increase	POR	ENSG00000127948	16882163;
D014212	increase	PPARG	ENSG00000132170	16982809;
D014212	increase	PPP2R2B	ENSG00000156475	16249480;
D014212	increase	PPP5C	ENSG00000011485	16054129;
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D014212	increase	PRKCD	ENSG00000163932	16178010;17017122;16322068;
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D014212	increase	PROSC	ENSG00000147471	16054129;
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D014212	increase	PSMB8	ENSG00000226201	17218384;
D014212	increase	PSMB9	ENSG00000240065	16140955;
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D014212	increase	PTGS2	ENSG00000073756	16894348;16127422;15982314;16959971;
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D014212	increase	QARS	ENSG00000172053	17218384;
D014212	increase	RAB11B	ENSG00000185236	17218384;
D014212	increase	RAB31	ENSG00000168461	16129123;
D014212	increase	RAB8A	ENSG00000167461	16054129;
D014212	increase	RAC2	ENSG00000128340	17218384;
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D014212	increase	RAD51C	ENSG00000108384	16443354;

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D014212	increase	RARA	ENSG00000131759	17077328;16894348;16417524;16289102;17486130;16287870;17001699;16288117;16280361;17170094;16236281;16636064;15958702;16740727;17079450;17034753;10866818;16012519;15754000;7556191;15959780;16613989;17134824;17453147;17431108;17138961;16832676;15317450;15375546;16646664;16959971;16158052;16007204;11340568;16280361;17170094;16236281;15615532;16788091;16740727;16417947;17392484;15375546;10866818;17134824;16158052;19524134;
D014212	increase	RARB	ENSG00000077092	17034753;16054129;17034753;17218384;16226872;16140954;16565789;15194426;15126328;15695403;15770638;16920920;16242776;
D014212	increase	RARG	ENSG00000172819	17218384;
D014212	increase	RARRES1	ENSG00000118849	16206244;16936753;15059897;
D014212	increase	RARRES3	ENSG00000133321	17079450;7556191;16012519;17431108;16249480;
D014212	increase	RB1	ENSG00000139687	17023940;
D014212	increase	RBBP4	ENSG00000162521	16443354;
D014212	increase	RBL2	ENSG00000103479	16140955;
D014212	increase	RBP1	ENSG00000248478	16982809;
D014212	increase	RBP2	ENSG00000114113	16054129;
D014212	increase	RCAN1	ENSG00000159200	16140955;
D014212	increase	RCBTB2	ENSG00000136161	16849523;16012519;17431108;17435603;
D014212	increase	RDH10	ENSG00000121039	17218384;
D014212	increase	RELA	ENSG00000173039	16129123;16012519;
D014212	increase	REL	ENSG00000162924	15982314;
D014212	increase	RET	ENSG00000165731	16054129;
D014212	increase	RETN	ENSG00000104918	16010410;
D014212	increase	RGS16	ENSG00000143333	
D014212	increase	RPS13	ENSG00000110700	
D014212	increase	RRBP1	ENSG00000125844	
D014212	increase	RXFP2	ENSG00000133105	

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D014212	increase	RXRB	ENSG00000235712	10866818;16158052;
D014212	increase	RXRG	ENSG00000249671	15982314;16249480;
D014212	increase	S100A7	ENSG00000143556	17214633;15982314;
D014212	increase	S100A8	ENSG00000143546	17214633;15982314;17218384;16054129;
D014212	increase	S100A9	ENSG00000163220	16249480;
D014212	increase	S100P	ENSG00000163993	16249480;16129123;
D014212	increase	SAT1	ENSG00000130066	16249480;
D014212	increase	SCEL	ENSG00000136155	16888198;
D014212	increase	SCT	ENSG00000070031	12875902;
D014212	increase	SDCBP	ENSG00000137575	17218384;
D014212	increase	SDHB	ENSG00000117118	16054129;
D014212	increase	SDS	ENSG00000135094	17218384;
D014212	increase	SEC61B	ENSG00000106803	15982314;
D014212	increase	SERPINA3	ENSG00000196136	16569592;16249480;17218384;
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D014212	increase	SERPINB4	ENSG00000206073	15051476;
D014212	increase	SERPINF1	ENSG00000132386	17098229;
D014212	increase	SFPQ	ENSG00000116560	17218384;
D014212	increase	SFRS6	ENSG00000124193	17085092;17109623;
D014212	increase	SHH	ENSG00000164690	16249480;
D014212	increase	SIDT2	ENSG00000149577	17218384;
D014212	increase	SLA	ENSG00000155926	16249480;
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D014212	increase	SLC16A4	ENSG00000168679	16054129;
D014212	increase	SLC25A1	ENSG00000100075	17218384;
D014212	increase	SLC25A37	ENSG00000147454	16168501;16054129;
D014212	increase	SLC2A3	ENSG00000059804	16054129;16960373;
D014212	increase	SLC2A5	ENSG00000142583	16439463;16234306;16730657;16954431;17332617;17045167;19524134;
D014212	increase	SLC5A5	ENSG00000105641	17045167;
D014212	increase	SLIT1	ENSG00000187122	17098229;16012519;17431108;
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D014212	increase	SMARCA2	ENSG00000080503	16054129;
D014212	increase	SMARCD2	ENSG00000108604	16054129;
D014212	increase	SMOX	ENSG00000088826	16054129;
D014212	increase	SNTB1	ENSG00000172164	15982314;
D014212	increase	SOCS2	ENSG00000120833	15982314;
D014212	increase	SOCS3	ENSG00000184557	17218384;17169568;16443354;
D014212	increase	SOD1	ENSG00000142168	16249480;17169568;
D014212	increase	SOD2	ENSG00000112096	15268896;
D014212	increase	SOST	ENSG00000167941	17196394;
D014212	increase	SOX10	ENSG00000100146	

D014212	increase	SOX3	ENSG00000134595	17005281;
D014212	increase	SOX7	ENSG00000171056	17138961;
D014212	increase	SOX9	ENSG00000125398	16480812;
D014212	increase	SPI1	ENSG00000066336	16918696;16352814;17361223;17218384;
D014212	increase	SPINK5	ENSG00000133710	16249480;
D014212	increase	SPON2	ENSG00000159674	16249480;
D014212	increase	SST	ENSG00000157005	16473924;
D014212	increase	ST6GALNA C2	ENSG00000070731	17045167;16249480;
D014212	increase	ST8SIA3	ENSG00000177511	17069899;
D014212	increase	STAR	ENSG00000147465	16621909;
D014212	increase	STAT1	ENSG00000115415	16085646;16918696;16574066;16140955;14668793;16007204;16636311;
D014212	increase	STAT6	ENSG00000166888	17118196;
D014212	increase	STK10	ENSG00000072786	16140955;
D014212	increase	STXBP2	ENSG00000076944	16054129;17218384;
D014212	increase	SUOX	ENSG00000139531	17218384;
D014212	increase	SYP	ENSG00000102003	17085092;
D014212	increase	TACSTD2	ENSG00000184292	15982314;
D014212	increase	TAGLN	ENSG00000149591	17069765;
D014212	increase	TAP1	ENSG00000230705	17218384;
D014212	increase	TBC1D3F	ENSG00000185128	16249480;
D014212	increase	TFAP2A	ENSG00000137203	17229153;17318229;17138961;
D014212	increase	TG	ENSG00000042832	17679169;19524134;
D014212	increase	TGFB1	ENSG00000105329	16242776;17253143;17196394;17098229;
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D014212	increase	TGFB2	ENSG00000092969	16007204;17196394;15955085;15970678;16473924;
D014212	increase	TGFBI	ENSG00000120708	16951191;
D014212	increase	TGM2	ENSG00000198959	9516142;16158052;16140955;16480812;16054129;16982809;17034753;16158929;15556610;
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D014212	increase	TH	ENSG00000180176	15464216;17017122;17085092;
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D014212	increase	TINAGL1	ENSG00000142910	17138961;
D014212	increase	TK1	ENSG00000167900	16249480;16054129;
D014212	increase	TKT	ENSG00000163931	17218384;
D014212	increase	TMSB10	ENSG00000034510	17218384;
D014212	increase	TMSB4X	ENSG00000205542	15982314;16012519;17218384;
D014212	increase	TNFAIP2	ENSG00000185215	16129123;17218384;
D014212	increase	TNF	ENSG00000223952	17253143;16292516;17118196;
D014212	increase	TNFRSF10B	ENSG00000120889	20349282;
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D014212	increase	TNFRSF12A	ENSG00000006327	20349282;

D014212	increase	TNFRSF1A	ENSG00000067182	16166294;20349282;
D014212	increase	TNFSF10	ENSG00000121858	16242776;16140955;16085646;
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D014212	increase	TNS3	ENSG00000136205	17431108;
D014212	increase	TOP2A	ENSG00000131747	16249480;15059897;
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D014212	increase	TP53I3	ENSG00000115129	16012519;
D014212	increase	TPO	ENSG00000115705	17679169;
D014212	increase	TPSAB1	ENSG00000172236	16054129;
D014212	increase	TRADD	ENSG00000102871	16249480;
D014212	increase	TRIB2	ENSG00000071575	16012519;
D014212	increase	TRIM16	ENSG00000221926	16636064;
D014212	increase	TRIM31	ENSG00000223531	16951191;
D014212	increase	TSC22D3	ENSG00000157514	16054129;
D014212	increase	TSHB	ENSG00000134200	16439463;
D014212	increase	TSPAN8	ENSG00000127324	16012519;
D014212	increase	TUBA4A	ENSG00000127824	17218384;
D014212	increase	TUBB3	ENSG00000198211	16646664;
D014212	increase	TYROBP	ENSG00000011600	12875902;16054129;16322758;
D014212	increase	UBD	ENSG00000213886	16951191;
D014212	increase	UBE2L6	ENSG00000156587	17218384;
D014212	increase	UBE2M	ENSG00000130725	17218384;
D014212	increase	UBL5	ENSG00000198258	17218384;
D014212	increase	UQCRFS1	ENSG00000169021	16826196;
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D014212	increase	VTCN1	ENSG00000134258	16249480;
D014212	increase	WARS	ENSG00000140105	17218384;
D014212	increase	WAS	ENSG00000015285	16140955;
D014212	increase	WFDC2	ENSG00000101443	16249480;
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D014212	increase	WT1	ENSG00000184937	17259349;15749674;15770638;14646600;12644474;
D014212	increase	XAF1	ENSG00000132530	16530516;
D014212	increase	ZCCHC5	ENSG00000179300	17218384;
D014212	increase	ZMYND19	ENSG00000165724	17218384;
D014221	increase	HPGD	ENSG00000164120	15680906;
D014222	decrease	MKI67	ENSG00000148773	16029572;
D014222	decrease	NR3C1	ENSG00000113580	15705660;16029572;
D014222	increase	CTGF	ENSG00000118523	15728566;
D014222	increase	TGFB1	ENSG00000105329	15728566;
D014222	increase	VEGFA	ENSG00000112715	15728566;16029572;
D014236	decrease	BCL2	ENSG00000171791	19631781;
D014236	decrease	SERPINA3	ENSG00000196136	10599054;
D014236	decrease	STAR	ENSG00000147465	17329077;
D014236	increase	TP53	ENSG00000141510	19631781;
D014241	decrease	BCL2	ENSG00000171791	12160929;

D014241	increase	BAX	ENSG00000087088	12160929;
D014241	increase	TP53	ENSG00000141510	12160929;
D014266	decrease	BCL2	ENSG00000171791	11369509;
D014266	decrease	SOD1	ENSG00000142168	11369509;
D014268	decrease	HIF1A	ENSG00000100644	18822394;
D014284	decrease	ADH1B	ENSG00000196616	15507505;
D014284	decrease	APP	ENSG00000142192	17199430;
D014284	decrease	BAD	ENSG00000002330	16021636;
D014284	decrease	BAX	ENSG00000087088	16021636;
D014284	decrease	CASP3	ENSG00000164305	16021636;
D014284	decrease	CDKN1B	ENSG00000111276	16021636;
D014284	decrease	FGF7	ENSG00000140285	15507505;
D014284	decrease	PCSK1	ENSG00000175426	15291740;
D014284	decrease	PCSK2	ENSG00000125851	15585599;
D014284	increase	ADRB2	ENSG00000169252	18454446;
D014284	increase	AKR1C1	ENSG00000187134	15507505;
D014284	increase	AKR1C2	ENSG00000151632	15507505;
D014284	increase	AKR1C3	ENSG00000196139	15507505;
D014284	increase	BCL2	ENSG00000171791	16021636;
D014284	increase	BCL2L1	ENSG00000171552	16021636;
D014284	increase	CCNA2	ENSG00000145386	16021636;
D014284	increase	CCND1	ENSG00000110092	16021636;
D014284	increase	CCNE1	ENSG00000105173	16021636;
D014284	increase	COL6A3	ENSG00000163359	15507505;
D014284	increase	DIO1	ENSG00000211452	16131326;
D014284	increase	ENO1	ENSG00000074800	15507505;
D014284	increase	HIF1A	ENSG00000100644	15507505;
D014284	increase	KLF9	ENSG00000119138	15507505;
D014284	increase	LDLR	ENSG00000130164	9712728;
D014284	increase	PCNA	ENSG00000132646	17174366;
D014284	increase	PFKP	ENSG00000067057	15507505;
D014284	increase	RAB3B	ENSG00000169213	15507505;
D014284	increase	SLC16A3	ENSG00000141526	15507505;
D014284	increase	SLC2A1	ENSG00000117394	15507505;
D014284	increase	SOD1	ENSG00000142168	16738222;
D014284	increase	THRA	ENSG00000126351	11806713;16738222;15680168;16021636;
D014284	increase	THRB	ENSG00000151090	11806713;15598685;16738222;15680168;18486176;15103026;18584933;16021636;12538616;
D014303	increase	CYP1A1	ENSG00000140465	11409192;
D014303	increase	DDIT3	ENSG00000175197	11409192;
D014303	increase	FOS	ENSG00000170345	11409192;
D014303	increase	GADD45A	ENSG00000116717	11409192;
D014303	increase	MT2A	ENSG00000125148	11409192;
D014311	affect	IFNG	ENSG00000111537	10569698;
D014311	decrease	CD14	ENSG00000170458	11556524;
D014311	decrease	CD40	ENSG00000101017	11306145;
D014311	decrease	HRH1	ENSG00000196639	7522859;11527950;2419744;11306145;1912125;
D014311	decrease	ITGA4	ENSG00000115232	11556524;
D014311	decrease	ITGAX	ENSG00000140678	11556524;
D014311	decrease	LRP1	ENSG00000123384	11556524;

D014311	decrease	PTPRC	ENSG00000081237	11306145;
D014315	decrease	ATP5H	ENSG00000167863	18422750;
D014315	decrease	ECHS1	ENSG00000127884	18422750;
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D014415	increase	HSPA5	ENSG00000044574	19428936;15049342;17416481;
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D014635	increase	YWHAQ	ENSG00000134308	17183730;
D014635	increase	ZC3H3	ENSG00000014164	17183730;
D014635	increase	ZDHHC17	ENSG00000186908	17183730;
D014635	increase	ZDHHC7	ENSG00000153786	17183730;
D014635	increase	ZFAND2B	ENSG00000158552	17183730;
D014635	increase	ZFP62	ENSG00000196670	17183730;
D014635	increase	ZFR	ENSG00000056097	17183730;
D014635	increase	ZMPSTE24	ENSG00000084073	17183730;
D014635	increase	ZNF211	ENSG00000121417	17183730;
D014635	increase	ZNF227	ENSG00000131115	17183730;
D014635	increase	ZNF354C	ENSG00000177932	17183730;
D014635	increase	ZNF398	ENSG00000197024	17183730;
D014635	increase	ZNF439	ENSG00000171291	17183730;
D014635	increase	ZNF441	ENSG00000197044	17183730;
D014635	increase	ZNF45	ENSG00000124459	17183730;
D014635	increase	ZNF493	ENSG00000196268	17183730;
D014635	increase	ZNF519	ENSG00000175322	17183730;

D014635	increase	ZNF540	ENSG00000171817	17183730;
D014635	increase	ZNF556	ENSG00000172000	17183730;
D014635	increase	ZNF592	ENSG00000166716	17183730;
D014635	increase	ZNF621	ENSG00000172888	17183730;
D014635	increase	ZNF622	ENSG00000173545	17183730;
D014635	increase	ZNF701	ENSG00000167562	17183730;
D014635	increase	ZNF768	ENSG00000169957	17183730;
D014638	affect	PRKAA1	ENSG00000132356	16678800;15297373;
D014638	increase	CAT	ENSG00000121691	16678800;
D014638	increase	CXCL2	ENSG00000081041	10718115;
D014638	increase	HIF1A	ENSG00000100644	16678800;16649251;15297373;
D014638	increase	PFKFB3	ENSG00000170525	15297373;
D014638	increase	SLC2A1	ENSG00000117394	15297373;
D014638	increase	VEGFA	ENSG00000112715	16678800;15297373;
D014639	increase	CYP1A1	ENSG00000140465	18541696;
D014639	increase	HIF1A	ENSG00000100644	16386771;
D014639	increase	IL6	ENSG00000136244	9344885;
D014639	increase	IL8	ENSG00000169429	9344885;18464055;
D014639	increase	LITAF	ENSG00000189067	17408380;
D014639	increase	NDRG1	ENSG00000104419	16386771;
D014639	increase	TNF	ENSG00000223952	17408380;
D014641	increase	NOS3	ENSG00000164867	15740983;
D014700	affect	CLU	ENSG00000120885	12388792;
D014700	affect	GAL	ENSG00000069482	12388792;
D014700	affect	GAP43	ENSG00000172020	12388792;
D014700	affect	RET	ENSG00000165731	12388792;
D014700	affect	TIMP1	ENSG00000102265	12388792;
D014750	decrease	BAX	ENSG00000087088	16001973;
D014750	decrease	MDM2	ENSG00000135679	16001973;
D014750	decrease	MYC	ENSG00000136997	16001973;
D014750	increase	ABCB1	ENSG00000085563	15645438;11934808;10617675;15239124;16038730;16925584;
D014750	increase	ASPM	ENSG00000066279	17374387;
D014750	increase	AURKA	ENSG00000087586	17374387;
D014750	increase	CASP6	ENSG00000138794	16001973;
D014750	increase	CASP8	ENSG00000064012	16001973;
D014750	increase	CEBPB	ENSG00000172216	16001973;
D014750	increase	HRAS	ENSG00000174775	16001973;
D014750	increase	IL6	ENSG00000136244	16001973;
D014750	increase	PRC1	ENSG00000198901	17374387;
D014750	increase	SOS1	ENSG00000115904	16001973;
D014750	increase	STAT1	ENSG00000115415	16001973;
D014750	increase	TP53	ENSG00000141510	16001973;12082016;17555331;
D014752	increase	TP53	ENSG00000141510	12705718;17384900;12010862;16097394;18226366;16474264;14979067;12670519;16881598;14602524;
D014801	affect	CDH1	ENSG00000039068	17034753;
D014801	affect	MCL1	ENSG00000143384	17034753;
D014801	decrease	CCL2	ENSG00000108691	16988133;
D014801	decrease	CCND1	ENSG00000110092	17219422;17234770;
D014801	decrease	CTNNB1	ENSG00000168036	17219422;

D014801	decrease	FAS	ENSG00000026103	17034753;
D014801	decrease	MYC	ENSG00000136997	17219422;
D014801	decrease	NKX2-1	ENSG00000136352	16490937;
D014801	decrease	SFTPB	ENSG00000168878	16490937;
D014801	decrease	TFRC	ENSG00000072274	16960172;
D014801	decrease	TGFBR1	ENSG00000106799	17225872;
D014801	increase	BTG2	ENSG00000159388	17234770;
D014801	increase	CD14	ENSG00000170458	17033190;
D014801	increase	COL1A1	ENSG00000108821	17034753;
D014801	increase	COL4A2	ENSG00000134871	17034753;
D014801	increase	CRABP2	ENSG00000143320	17234770;16793012;17034753;
D014801	increase	CYP26A1	ENSG00000095596	16194896;17244623;
D014801	increase	EPO	ENSG00000130427	16960172;
D014801	increase	FOXA1	ENSG00000129514	17034753;
D014801	increase	GABRB3	ENSG00000166206	17225872;
D014801	increase	GATA6	ENSG00000141448	17034753;
D014801	increase	ITGA3	ENSG00000005884	17241391;
D014801	increase	ITGB1	ENSG00000150093	17241391;
D014801	increase	IVL	ENSG00000163207	17034753;
D014801	increase	KRT18	ENSG00000111057	17034753;
D014801	increase	KRT19	ENSG00000171345	17034753;
D014801	increase	KRT7	ENSG00000135480	17034753;
D014801	increase	KRT8	ENSG00000170421	17034753;
D014801	increase	MEIS1	ENSG00000143995	17034753;
D014801	increase	MEIS2	ENSG00000134138	17034753;
D014801	increase	MEOX1	ENSG00000005102	17034753;
D014801	increase	OLR1	ENSG00000173391	17034753;
D014801	increase	RARA	ENSG00000131759	17034753;17225872;17244623;
D014801	increase	RARB	ENSG00000077092	17034753;15754000;
D014801	increase	RARRES1	ENSG00000118849	17034753;
D014801	increase	RARRES3	ENSG00000133321	17034753;
D014801	increase	RBP1	ENSG00000248478	16150442;16793012;
D014801	increase	RXRA	ENSG00000186350	17219422;17244623;
D014801	increase	RXRG	ENSG00000249671	17219422;
D014801	increase	SLC1A2	ENSG00000110436	17138558;
D014801	increase	TGFB3	ENSG00000119699	17225872;
D014801	increase	TGFBR2	ENSG00000163513	17225872;
D014801	increase	TGM2	ENSG00000198959	17034753;
D014801	increase	TLR2	ENSG00000137462	17033190;
D014801	increase	TLR4	ENSG00000136869	17033190;
D014801	increase	TOB1	ENSG00000141232	17234770;
D014805	decrease	CRP	ENSG00000132693	16517955;16634837;
D014807	increase	AQP9	ENSG00000103569	15336539;
D014807	increase	CYP3A4	ENSG00000160868	17965521;
D014807	increase	ITGAM	ENSG00000169896	15964820;
D014807	increase	ITGAX	ENSG00000140678	15964820;
D014807	increase	TGM2	ENSG00000198959	15964820;
D014810	decrease	AASS	ENSG00000008311	19244175;
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D014810	decrease	ACP1	ENSG00000143727	19244175;
D014810	decrease	ACTA2	ENSG00000107796	19244175;
D014810	decrease	ADAM17	ENSG00000151694	19244175;

D014810	decrease	ADAMTS5	ENSG00000154736	19244175;
D014810	decrease	ADARB1	ENSG00000197381	19244175;
D014810	decrease	ADD3	ENSG00000148700	19244175;
D014810	decrease	ADH7	ENSG00000196344	19244175;
D014810	decrease	ADRBK2	ENSG00000100077	19244175;
D014810	decrease	AGAP4	ENSG00000188234	19244175;
D014810	decrease	AGPAT2	ENSG00000169692	19244175;
D014810	decrease	AGRN	ENSG00000188157	19244175;
D014810	decrease	AGTPBP1	ENSG00000135049	19244175;
D014810	decrease	AHR	ENSG00000106546	19244175;
D014810	decrease	ALDH6A1	ENSG00000119711	19244175;
D014810	decrease	AMY2A	ENSG00000243480	19244175;
D014810	decrease	ANGPT1	ENSG00000154188	19244175;
D014810	decrease	ANK3	ENSG00000151150	19244175;
D014810	decrease	ANKRD12	ENSG00000101745	19244175;
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D014810	decrease	APBB2	ENSG00000163697	19244175;
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D014810	decrease	APOB	ENSG00000084674	17475462;17237316;
D014810	decrease	APP	ENSG00000142192	19244175;
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D014810	decrease	ATF3	ENSG00000162772	19244175;
D014810	decrease	ATG12	ENSG00000145782	19244175;
D014810	decrease	ATP5C1	ENSG00000165629	19244175;
D014810	decrease	ATP5I	ENSG00000169020	19244175;
D014810	decrease	ATP6AP2	ENSG00000182220	19244175;
D014810	decrease	ATP6V1C1	ENSG00000155097	19244175;
D014810	decrease	ATP8B1	ENSG00000081923	19244175;
D014810	decrease	ATRX	ENSG00000085224	19244175;
D014810	decrease	ATXN3	ENSG00000066427	19244175;
D014810	decrease	ATXN7	ENSG00000163635	19244175;
D014810	decrease	AUTS2	ENSG00000158321	19244175;
D014810	decrease	AXL	ENSG00000167601	19244175;
D014810	decrease	BAG5	ENSG00000166170	19244175;
D014810	decrease	BARD1	ENSG00000138376	19244175;
D014810	decrease	BAT2L2	ENSG00000117523	19244175;
D014810	decrease	BAZ1A	ENSG00000198604	19244175;
D014810	decrease	BBX	ENSG00000114439	19244175;
D014810	decrease	BCL11A	ENSG00000119866	19244175;
D014810	decrease	BCL2	ENSG00000171791	15566391;
D014810	decrease	BCL6	ENSG00000113916	19244175;
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D014810	decrease	BIRC2	ENSG00000110330	15566391;
D014810	decrease	BIRC3	ENSG00000023445	15566391;
D014810	decrease	BMP2K	ENSG00000138756	19244175;
D014810	decrease	C11ORF30	ENSG00000158636	19244175;
D014810	decrease	C11ORF48	ENSG00000162194	19244175;
D014810	decrease	C12ORF4	ENSG00000047621	19244175;
D014810	decrease	C14ORF101	ENSG00000070269	19244175;
D014810	decrease	C17ORF63	ENSG00000173065	19244175;
D014810	decrease	C19ORF24	ENSG00000228300	19244175;
D014810	decrease	C1ORF107	ENSG00000117597	19244175;

D014810	decrease	C1ORF50	ENSG00000164008	19244175;
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D014810	decrease	C20ORF117	ENSG00000149639	19244175;
D014810	decrease	C2ORF3	ENSG00000005436	19244175;
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D014810	decrease	CALD1	ENSG00000122786	19244175;
D014810	decrease	CALR	ENSG00000179218	19244175;
D014810	decrease	CAMK2G	ENSG00000148660	19244175;
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D014810	decrease	CAPRN2	ENSG00000110888	19244175;
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D014810	decrease	CCNL1	ENSG00000163660	19244175;
D014810	decrease	CD44	ENSG00000026508	19244175;
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D014810	decrease	CDS1	ENSG00000163624	19244175;
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D014810	decrease	CLCC1	ENSG00000121940	19244175;
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D014810	decrease	CPM	ENSG00000135678	19244175;
D014810	decrease	CREB1	ENSG00000118260	19244175;
D014810	decrease	CREBBP	ENSG00000005339	19244175;
D014810	decrease	CRP	ENSG00000132693	17237316;16517955;
D014810	decrease	CSDA	ENSG00000060138	19244175;
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D014810	decrease	CSNK2A1	ENSG00000101266	19244175;
D014810	decrease	CTBP1	ENSG00000159692	19244175;
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D014810	decrease	CTTN	ENSG00000085733	19244175;
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D014810	decrease	CWH43	ENSG00000109182	19244175;
D014810	decrease	CYORF15B	ENSG00000131002	19244175;
D014810	decrease	CYP3A4	ENSG00000160868	19244175;

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D014810	decrease	DACT1	ENSG00000165617	19244175;
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D014810	decrease	DDX24	ENSG00000089737	19244175;
D014810	decrease	DENND1B	ENSG00000213047	19244175;
D014810	decrease	DENND2D	ENSG00000162777	19244175;
D014810	decrease	DENND4A	ENSG00000174485	19244175;
D014810	decrease	DHODH	ENSG00000102967	19244175;
D014810	decrease	DHX9	ENSG00000135829	19244175;
D014810	decrease	DICER1	ENSG00000100697	19244175;
D014810	decrease	DNAJA3	ENSG00000103423	19244175;
D014810	decrease	DNAJB4	ENSG00000162616	19244175;
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D014810	decrease	EGR1	ENSG00000120738	19244175;
D014810	decrease	EHBP1	ENSG00000115504	19244175;
D014810	decrease	EIF2AK2	ENSG00000055332	19244175;
D014810	decrease	EIF5	ENSG00000100664	19244175;
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D014810	decrease	FECH	ENSG00000066926	19244175;
D014810	decrease	FERMT1	ENSG00000101311	19244175;
D014810	decrease	FIG4	ENSG00000112367	19244175;
D014810	decrease	FLRT3	ENSG00000125848	19244175;
D014810	decrease	FNBP1	ENSG00000187239	19244175;
D014810	decrease	FNBP4	ENSG00000109920	19244175;
D014810	decrease	FOLH1	ENSG00000086205	19244175;
D014810	decrease	FOXA2	ENSG00000125798	16490937;
D014810	decrease	FOX E1	ENSG00000178919	19244175;
D014810	decrease	FOXF2	ENSG00000137273	19244175;
D014810	decrease	FOX M1	ENSG00000111206	19244175;
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D014810	decrease	FTSJ1	ENSG00000068438	19244175;
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D014810	decrease	GABPB2	ENSG00000143458	19244175;
D014810	decrease	GAK	ENSG00000178950	19244175;
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D014810	decrease	GGPS1	ENSG00000152904	19244175;
D014810	decrease	GLMN	ENSG00000174842	19244175;
D014810	decrease	GNAS	ENSG00000087460	19244175;
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D014810	decrease	GPATCH8	ENSG00000186566	19244175;
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D014810	decrease	GRINA	ENSG00000178719	19244175;
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D014810	decrease	GTF2IRD1	ENSG00000006704	19244175;
D014810	decrease	GTPBP8	ENSG00000163607	19244175;
D014810	decrease	H3F3A	ENSG00000163041	19244175;
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D014810	decrease	HBA2	ENSG00000206172	19244175;
D014810	decrease	HIATL1	ENSG00000148110	19244175;
D014810	decrease	HIPK2	ENSG00000064393	19244175;
D014810	decrease	HIST1H4K	ENSG00000182217	19244175;
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D014810	decrease	HOOK1	ENSG00000134709	19244175;
D014810	decrease	HOXA7	ENSG00000122592	19244175;
D014810	decrease	HSP90AA1	ENSG00000080824	19244175;
D014810	decrease	HSPA9	ENSG00000113013	19244175;
D014810	decrease	ID2	ENSG00000115738	19244175;
D014810	decrease	IFT74	ENSG00000096872	19244175;
D014810	decrease	IFT81	ENSG00000122970	19244175;
D014810	decrease	IGF1R	ENSG00000140443	19244175;
D014810	decrease	IGF2BP2	ENSG00000073792	19244175;
D014810	decrease	IGF2R	ENSG00000197081	19244175;
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D015032	affect	ARL4C	ENSG00000188042	16979875;
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D015032	decrease	BIRC3	ENSG00000023445	12429649;
D015032	decrease	C20ORF7	ENSG00000101247	16870260;
D015032	decrease	C3ORF14	ENSG00000114405	15226459;
D015032	decrease	CCDC52	ENSG00000163611	16870260;
D015032	decrease	CDR1	ENSG00000184258	16870260;
D015032	decrease	DYNC1H1	ENSG00000197102	15226459;
D015032	decrease	F2RL2	ENSG00000164220	16870260;
D015032	decrease	FABP5	ENSG00000164687	15226459;
D015032	decrease	FADS1	ENSG00000149485	15226459;
D015032	decrease	GADD45A	ENSG00000116717	15226459;
D015032	decrease	MTA2	ENSG00000149480	16870260;
D015032	decrease	NF2	ENSG00000186575	16870260;
D015032	decrease	PEG3	ENSG00000198300	16870260;
D015032	decrease	PTS	ENSG00000150787	15226459;
D015032	decrease	RELA	ENSG00000173039	16606632;16472982;12429649;
D015032	decrease	SCARA3	ENSG00000168077	16870260;
D015032	decrease	SLC39A1	ENSG00000143570	18326752;15226459;
D015032	decrease	SLC39A4	ENSG00000147804	17202136;18326752;
D015032	decrease	TRA2A	ENSG00000164548	16870260;
D015032	decrease	TROVE2	ENSG00000116747	15226459;
D015032	decrease	WDR46	ENSG00000227057	15226459;
D015032	increase	ACADS	ENSG00000122971	15226459;
D015032	increase	BAG3	ENSG00000151929	16870260;
D015032	increase	BCL2	ENSG00000171791	16979875;16472982;17029595;
D015032	increase	BLK	ENSG00000136573	15226459;
D015032	increase	CALD1	ENSG00000122786	16870260;
D015032	increase	CCDC102B	ENSG00000150636	16870260;
D015032	increase	CD22	ENSG00000012124	15226459;
D015032	increase	CD9	ENSG00000010278	16870260;16979875;
D015032	increase	CFTR	ENSG00000001626	16236827;16870260;
D015032	increase	CNBP	ENSG00000169714	15226459;
D015032	increase	CPS1	ENSG00000021826	16870260;
D015032	increase	DHRS2	ENSG00000100867	16870260;
D015032	increase	EMID1	ENSG00000186998	15226459;
D015032	increase	ERCC1	ENSG00000012061	15226459;
D015032	increase	FAS	ENSG00000026103	16472982;
D015032	increase	FASLG	ENSG00000117560	16472982;
D015032	increase	FOS	ENSG00000170345	16472982;16373669;

D015032	increase	GRIK2	ENSG00000164418	16870260;
D015032	increase	HIF1A	ENSG00000100644	16579968;16330433;16973622;
D015032	increase	HMOX1	ENSG00000100292	17244614;16870260;
D015032	increase	HSPA1A	ENSG00000232804	16460681;17244614;16870260;
D015032	increase	HSPA6	ENSG00000173110	16870260;
D015032	increase	IFNG	ENSG00000111537	17150331;16844947;16472982;
D015032	increase	IKBKB	ENSG00000104365	16979875;17029595;
D015032	increase	IL1B	ENSG00000125538	16472982;
D015032	increase	IL2	ENSG00000109471	16930873;17162254;
D015032	increase	IL2RA	ENSG00000134460	16930873;17162254;16979875;
D015032	increase	IL6	ENSG00000136244	16513158;16606632;16472982;
D015032	increase	IL8	ENSG00000169429	16373669;16606632;
D015032	increase	ITGB6	ENSG00000115221	16870260;16979875;
D015032	increase	MAL	ENSG00000172005	15226459;
D015032	increase	MT1A	ENSG00000205362	10548558;11168427;17409696;15867382;12716893;
D015032	increase	MT1B	ENSG00000169688	11168427;
D015032	increase	MT1E	ENSG00000169715	15226459;11168427;16870260;
D015032	increase	MT1F	ENSG00000198417	15226459;16870260;
D015032	increase	MT1G	ENSG00000125144	15226459;16870260;11168427;
D015032	increase	MT1H	ENSG00000205358	15226459;11168427;16870260;
D015032	increase	MT1M	ENSG00000205364	16870260;
D015032	increase	MT1X	ENSG00000187193	15226459;11168427;16870260;17409696;
D015032	increase	MT2A	ENSG00000125148	15698955;17224279;16460681;15226459;17409708;17409696;16870260;11168427;12716893;11127411;
D015032	increase	MTF1	ENSG00000188786	12716893;16460681;16719502;
D015032	increase	MYST1	ENSG00000103510	15226459;
D015032	increase	NFKB1	ENSG00000109320	16472982;17029595;
D015032	increase	NFKBIA	ENSG00000100906	16606632;17029595;
D015032	increase	NOX4	ENSG00000086991	16870260;
D015032	increase	PGF	ENSG00000119630	16870260;
D015032	increase	PGK1	ENSG00000102144	15226459;
D015032	increase	PIK3R4	ENSG00000196455	16870260;
D015032	increase	PML	ENSG00000140464	16330433;
D015032	increase	PTGES2	ENSG00000148334	15226459;
D015032	increase	RARA	ENSG00000131759	16330433;
D015032	increase	SBNO1	ENSG00000139697	16870260;
D015032	increase	SLC30A1	ENSG00000170385	18326752;15226459;15867382;
D015032	increase	SLC48A1	ENSG00000211584	16870260;
D015032	increase	ST5	ENSG00000166444	16870260;
D015032	increase	TFPI2	ENSG00000105825	16870260;
D015032	increase	TNF	ENSG00000223952	16513158;16930873;16606632;16844947;16472982;
D015032	increase	UNC119	ENSG00000109103	16979875;15226459;

D015040	increase	IL18	ENSG00000150782	16100009;
D015054	affect	CLEC7A	ENSG00000172243	16622020;17030235;18279049;
D015054	affect	IL1RN	ENSG00000136689	10072544;
D015054	affect	NFKBIA	ENSG00000100906	10072544;11527995;
D015054	decrease	BIRC3	ENSG00000023445	16803582;
D015054	decrease	XIAP	ENSG00000101966	16803582;
D015054	increase	CAT	ENSG00000121691	11313354;17654044;
D015054	increase	CCL20	ENSG00000115009	15191912;
D015054	increase	CD83	ENSG00000112149	17698565;
D015054	increase	CD86	ENSG00000114013	17698565;
D015054	increase	CSF2	ENSG00000164400	17030235;12176910;12574323;15191912;
D015054	increase	CTNNB1	ENSG00000168036	11739494;
D015054	increase	CXCL1	ENSG00000163739	12401803;
D015054	increase	FTL	ENSG00000087086	16239567;
D015054	increase	IFNG	ENSG00000111537	18490488;16713974;
D015054	increase	IL10	ENSG00000136634	18490488;16713974;11994432;10072544;17698565;12115622;
D015054	increase	IL12A	ENSG00000168811	18490488;
D015054	increase	IL12B	ENSG00000113302	18279049;18490488;
D015054	increase	IL1B	ENSG00000125538	17030235;12946449;10072544;12574323;
D015054	increase	IL23A	ENSG00000110944	18490488;
D015054	increase	IL6	ENSG00000136244	12946449;17698565;10072544;12225373;15196211;12176910;11527995;12946449;10072544;15893496;12225373;15196211;1519657
D015054	increase	IL8	ENSG00000169429	
D015054	increase	MMP7	ENSG00000137673	11739494;
D015054	increase	PLAUR	ENSG00000011422	11739494;
D015054	increase	PPBP	ENSG00000163736	15316029;
D015054	increase	PTGS2	ENSG00000073756	12946449;15944324;
D015054	increase	SLC7A11	ENSG00000151012	17200146;
D015054	increase	TNFAIP6	ENSG00000123610	12401803;
D015054	increase	TNF	ENSG00000223952	18279049;12721113;11994432;17698565;12805067;12401803;12946449;15893496;10072544;
D015054	increase	TNFRSF1A	ENSG00000067182	10072544;
D015054	increase	TNFRSF1B	ENSG00000028137	10072544;
D015056	increase	AREG	ENSG00000205595	15284208;
D015056	increase	SLC5A5	ENSG00000105641	16439463;
D015073	affect	NFKB1	ENSG00000109320	11960367;
D015073	affect	RELA	ENSG00000173039	11960367;
D015073	increase	ABCB1	ENSG00000085563	12387747;11960367;
D015073	increase	ABCC10	ENSG00000124574	12566991;
D015073	increase	ABCC2	ENSG00000023839	16426233;10691972;
D015073	increase	ABCC3	ENSG00000108846	10691972;
D015073	increase	AKT1	ENSG00000142208	11960367;
D015073	increase	GCLC	ENSG00000001084	16426233;
D015073	increase	ID1	ENSG00000125968	15120964;
D015073	increase	NR1I2	ENSG00000144852	16381673;
D015073	increase	RAC1	ENSG00000136238	11960367;
D015073	increase	TP53	ENSG00000141510	12888115;

D015075	increase	IL8	ENSG00000169429	18599499;
D015081	decrease	AMHR2	ENSG00000135409	18247414;
D015081	decrease	BAD	ENSG00000002330	18247414;
D015081	decrease	BRCA1	ENSG00000012048	18247414;
D015081	decrease	BTF3	ENSG00000145741	18247414;
D015081	decrease	C5AR1	ENSG00000197405	18247414;
D015081	decrease	CCL16	ENSG00000161573	18247414;
D015081	decrease	CCR6	ENSG00000112486	18247414;
D015081	decrease	CREB1	ENSG00000118260	18247414;
D015081	decrease	DFFB	ENSG00000169598	18247414;
D015081	decrease	DNASE2	ENSG00000105612	18247414;
D015081	decrease	EDNRA	ENSG00000151617	18247414;
D015081	decrease	EPHA3	ENSG00000044524	18247414;
D015081	decrease	FASLG	ENSG00000117560	18247414;
D015081	decrease	FLT3	ENSG00000122025	18247414;
D015081	decrease	FN1	ENSG00000115414	18247414;
D015081	decrease	HLTF	ENSG00000071794	18247414;
D015081	decrease	IFI6	ENSG00000126709	18247414;
D015081	decrease	IFNAR1	ENSG00000142166	18247414;
D015081	decrease	IL10	ENSG00000136634	18247414;
D015081	decrease	IL3RA	ENSG00000185291	18247414;
D015081	decrease	IL9	ENSG00000145839	18247414;
D015081	decrease	ITGAL	ENSG00000005844	18247414;
D015081	decrease	LTB	ENSG00000236237	18247414;
D015081	decrease	MST1	ENSG00000173531	18247414;
D015081	decrease	NFKBIE	ENSG00000146232	18247414;
D015081	decrease	NFYB	ENSG00000120837	18247414;
D015081	decrease	NME3	ENSG00000103024	18247414;
D015081	decrease	OPRK1	ENSG00000082556	18247414;
D015081	decrease	POU2AF1	ENSG00000110777	18247414;
D015081	decrease	PSMB6	ENSG00000142507	18247414;
D015081	decrease	PTAFR	ENSG00000169403	18247414;
D015081	decrease	PTX3	ENSG00000163661	18247414;
D015081	decrease	RARG	ENSG00000172819	18247414;
D015081	decrease	RPL7A	ENSG00000148303	18247414;
D015081	decrease	RUNX1T1	ENSG00000079102	18247414;
D015081	decrease	SLC9A3R2	ENSG00000065054	18247414;
D015081	decrease	SREBF1	ENSG00000072310	18247414;
D015081	decrease	STAT2	ENSG00000170581	18247414;
D015081	decrease	TFDP1	ENSG00000198176	18247414;
D015081	decrease	TNFRSF1A	ENSG00000067182	18247414;
D015081	decrease	TP53	ENSG00000141510	18247414;
D015081	decrease	VIM	ENSG00000026025	18247414;
D015081	increase	AATK	ENSG00000181409	18247414;
D015081	increase	BCL2A1	ENSG00000140379	18247414;
D015081	increase	BTK	ENSG00000010671	18247414;
D015081	increase	CARTPT	ENSG00000164326	18247414;
D015081	increase	CBL	ENSG00000110395	18247414;
D015081	increase	CCL5	ENSG00000161570	18247414;
D015081	increase	CCR5	ENSG00000160791	18247414;
D015081	increase	CD4	ENSG00000010610	18247414;
D015081	increase	CD59	ENSG00000085063	18247414;
D015081	increase	DEDD	ENSG00000158796	18247414;
D015081	increase	EPHB3	ENSG00000182580	18247414;

D015081	increase	EPO	ENSG00000130427	18247414;
D015081	increase	EZR	ENSG00000092820	18247414;
D015081	increase	GDF1	ENSG00000130283	18247414;
D015081	increase	KLF11	ENSG00000172059	18247414;
D015081	increase	MADD	ENSG00000110514	18247414;
D015081	increase	NOS2	ENSG00000007171	18247414;
D015081	increase	PLD2	ENSG00000129219	18247414;
D015081	increase	POU2F1	ENSG00000143190	18247414;
D015081	increase	PRKAR2B	ENSG00000005249	18247414;
D015081	increase	RGS1	ENSG00000090104	18247414;
D015081	increase	RPS25	ENSG00000118181	18247414;
D015081	increase	S100A10	ENSG00000197747	18247414;
D015081	increase	SMAD9	ENSG00000120693	18247414;
D015081	increase	SNCA	ENSG00000145335	18247414;
D015081	increase	STK25	ENSG00000115694	18247414;
D015081	increase	SUPT4H1	ENSG00000213246	18247414;
D015081	increase	TSHR	ENSG00000165409	18247414;
D015081	increase	UBE2I	ENSG00000103275	18247414;
D015081	increase	UGP2	ENSG00000169764	18247414;
D015082	increase	VEGFA	ENSG00000112715	15075239;
D015084	decrease	CCDC120	ENSG00000147144	15878651;
D015084	decrease	CLK1	ENSG00000013441	15878651;
D015084	decrease	IL1RL1	ENSG00000115602	15878651;
D015084	decrease	PTGER3	ENSG00000050628	15878651;
D015084	decrease	VEGFA	ENSG00000112715	15878651;
D015084	increase	CYP3A7	ENSG00000160870	8812189;
D015084	increase	DCLRE1C	ENSG00000152457	15878651;
D015084	increase	DDB2	ENSG00000134574	15878651;
D015084	increase	FTH1	ENSG00000167996	15878651;
D015084	increase	FTL	ENSG00000087086	15878651;
D015084	increase	PCNA	ENSG00000132646	15878651;
D015084	increase	USP19	ENSG00000172046	15878651;
D015085	increase	ABCC2	ENSG00000023839	16426233;
D015085	increase	CYP3A7	ENSG00000160870	8812189;
D015085	increase	GCLC	ENSG00000001084	16426233;
D015113	affect	PRKACB	ENSG00000142875	16949795;
D015113	decrease	CYP7B1	ENSG00000172817	16630558;
D015117	decrease	CES1	ENSG00000198848	11409902;
D015118	decrease	ABCA1	ENSG00000165029	16730733;
D015118	decrease	ABCG1	ENSG00000160179	16730733;
D015118	decrease	APOB	ENSG00000084674	17237316;
D015118	decrease	CRP	ENSG00000132693	17237316;
D015118	decrease	IL4	ENSG00000113520	16305726;
D015118	decrease	IL6	ENSG00000136244	16305726;16702388;
D015118	decrease	LEP	ENSG00000174697	15949695;
D015118	decrease	RETN	ENSG00000104918	15949695;
D015118	decrease	SREBF1	ENSG00000072310	15949695;
D015118	increase	CD40	ENSG00000101017	15684433;
D015118	increase	DCD	ENSG00000161634	15451026;
D015118	increase	GCLC	ENSG00000001084	17092368;
D015118	increase	HMOX1	ENSG00000100292	17092368;
D015118	increase	IL12B	ENSG00000113302	15684433;
D015118	increase	IL1B	ENSG00000125538	12573452;16305726;
D015118	increase	PSMA2	ENSG00000106588	15451026;

D015118	increase	PSMB5	ENSG00000251114	15451026;
D015118	increase	PTGS2	ENSG00000073756	12573452;15684433;17092368;
D015118	increase	TNF	ENSG00000223952	15684433;16702388;
D015123	increase	CXCL1	ENSG00000163739	18197826;
D015123	increase	IL8	ENSG00000169429	18197826;
D015124	decrease	CYP17A1	ENSG00000148795	18336853;
D015124	decrease	HSD3B2	ENSG00000203859	18336853;
D015124	increase	FBLN1	ENSG00000077942	15774544;
D015124	increase	HSD17B4	ENSG00000133835	18336853;
D015124	increase	IGFBP1	ENSG00000146678	17065600;
D015124	increase	PLD1	ENSG00000075651	17065600;
D015124	increase	PRL	ENSG00000172179	17065600;15774544;
D015125	increase	HSPA1A	ENSG00000232804	16239242;
D015127	increase	CYP1A1	ENSG00000140465	15596260;8961944;
D015127	increase	CYP1B1	ENSG00000138061	15596260;
D015215	affect	CYTB	ENSG00000198727	20032539;
D015215	decrease	ADIPOQ	ENSG00000181092	17668557;
D015215	decrease	AFAP1	ENSG00000196526	15784690;
D015215	decrease	ATP5D	ENSG00000099624	16894629;
D015215	decrease	ATP8B1	ENSG00000081923	16894629;
D015215	decrease	C8ORF83	ENSG00000205133	20370541;
D015215	decrease	C9ORF116	ENSG00000160345	20370541;
D015215	decrease	C9ORF140	ENSG00000186193	20370541;
D015215	decrease	CCNC	ENSG00000112237	15784690;
D015215	decrease	CCND2	ENSG00000118971	15784690;
D015215	decrease	CCNE2	ENSG00000175305	15784690;
D015215	decrease	CD1C	ENSG00000158481	20370541;
D015215	decrease	CD83	ENSG00000112149	15784690;
D015215	decrease	CDCA8	ENSG00000134690	20370541;
D015215	decrease	CDK6	ENSG00000105810	20370541;
D015215	decrease	CDKN1A	ENSG00000124762	15784690;
D015215	decrease	CDKN1B	ENSG00000111276	15784690;
D015215	decrease	CDKN1C	ENSG00000129757	15784690;
D015215	decrease	CDKN2C	ENSG00000123080	15784690;
D015215	decrease	CHN1	ENSG00000128656	16894629;
D015215	decrease	COX11	ENSG00000166260	16894629;
D015215	decrease	COX15	ENSG00000014919	16894629;
D015215	decrease	CYP1B1	ENSG00000138061	20370541;
D015215	decrease	DDR2	ENSG00000162733	20370541;
D015215	decrease	DHFR	ENSG00000228716	15784690;
D015215	decrease	GAS1	ENSG00000180447	20370541;15784690;
D015215	decrease	GATA1	ENSG00000102145	8599995;10651068;
D015215	decrease	GRB7	ENSG00000141738	20370541;
D015215	decrease	HBB	ENSG00000244734	10651068;
D015215	decrease	HDLBP	ENSG00000115677	16894629;
D015215	decrease	HIST1H4C	ENSG00000182217	20370541;
D015215	decrease	IL2RA	ENSG00000134460	7606800;
D015215	decrease	LEP	ENSG00000174697	17668557;
D015215	decrease	LGALS1	ENSG00000100097	20370541;
D015215	decrease	LPL	ENSG00000175445	16894629;
D015215	decrease	MVD	ENSG00000167508	20370541;
D015215	decrease	NDUFS2	ENSG00000158864	16894629;
D015215	decrease	NDUFV1	ENSG00000167792	16894629;

D015215	decrease	NFE2	ENSG00000123405	8599995;
D015215	decrease	PGR	ENSG00000082175	20370541;
D015215	decrease	PKMYT1	ENSG00000127564	20370541;
D015215	decrease	RAB17	ENSG00000124839	20370541;
D015215	decrease	RAB3B	ENSG00000169213	20370541;
D015215	decrease	RASSF7	ENSG00000099849	20370541;
D015215	decrease	RBL1	ENSG00000080839	15784690;
D015215	decrease	RBL2	ENSG00000103479	15784690;
D015215	decrease	SDHB	ENSG00000117118	16894629;
D015215	decrease	TK1	ENSG00000167900	11923581;8915012;170672 65;8941356;
D015215	decrease	TMEM97	ENSG00000109084	20370541;
D015215	decrease	TNC	ENSG00000041982	20370541;
D015215	decrease	TRDMT1	ENSG00000107614	20370541;
D015215	decrease	TYMS	ENSG00000176890	15784690;
D015215	decrease	TYRP1	ENSG00000107165	15784690;
D015215	decrease	WDR62	ENSG00000075702	20370541;
D015215	increase	ABCB1	ENSG00000085563	18310046;15456083;91488 18364470;18535159;15456 083;
D015215	increase	ABCC4	ENSG00000125257	18535159;15456083;
D015215	increase	ABCC5	ENSG00000114770	20370541;
D015215	increase	AQP9	ENSG00000103569	15784690;
D015215	increase	ASNS	ENSG00000070669	15784690;
D015215	increase	ASS1	ENSG00000130707	15784690;
D015215	increase	ATF3	ENSG00000162772	15784690;
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D015215	increase	ATP5I	ENSG00000169020	16894629;
D015215	increase	ATP5J	ENSG00000154723	16894629;
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D015240	decrease	PRKCA	ENSG00000154229	17171646;
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D015240	increase	IL12B	ENSG00000113302	15516327;

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D015242	increase	IL1B	ENSG00000125538	16148020;
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D015251	increase	FKBPL	ENSG00000223666	14503796;
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D015283	increase	NUPR1	ENSG00000176046	17567588;
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D015474	increase	CYP26B1	ENSG00000003137	17486130;
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D015741	decrease	MAPRE2	ENSG00000166974	17010675;
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D015741	decrease	NAV1	ENSG00000134369	16751804;
D015741	decrease	OSR2	ENSG00000164920	16751804;
D015741	decrease	PAK2	ENSG00000180370	17152098;
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D015741	decrease	PDXK	ENSG00000160209	17010196;17152098;
D015741	decrease	PHB	ENSG00000167085	17152098;
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D015741	decrease	PRPS2	ENSG00000101911	17152098;
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D015741	decrease	SELENBP1	ENSG00000143416	17152098;
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D015741	decrease	SESN1	ENSG00000080546	16751804;
D015741	decrease	TALDO1	ENSG00000177156	17152098;
D015741	decrease	TARDBP	ENSG00000120948	17152098;
D015741	decrease	TNK1	ENSG00000174292	17010675;
D015741	decrease	TRIM28	ENSG00000130726	17152098;
D015741	decrease	TRPS1	ENSG00000104447	19759027;
D015741	decrease	TUBB	ENSG00000229684	17152098;
D015741	decrease	UFD1L	ENSG00000070010	17152098;

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D015741	increase	ACPP	ENSG00000014257	17541959;
D015741	increase	ACSL3	ENSG00000123983	17220478;17010675;16751804;
D015741	increase	ACTB	ENSG00000075624	17220478;17152098;
D015741	increase	ACTG1	ENSG00000184009	17152098;
D015741	increase	ADAM7	ENSG00000069206	17010675;
D015741	increase	AKR1A1	ENSG00000117448	17152098;
D015741	increase	ALDH1A3	ENSG00000184254	17526768;
D015741	increase	ALDH9A1	ENSG00000143149	17152098;
D015741	increase	ALDOA	ENSG00000149925	17010196;
D015741	increase	AMH	ENSG00000104899	16740653;
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D015741	increase	APPBP2	ENSG00000062725	16751804;
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D015741	increase	ATP6	ENSG00000198899	17010196;
D015741	increase	ATR	ENSG00000175054	19318562;
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D015741	increase	B2M	ENSG00000166710	17404077;17131305;
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D015741	increase	BRMS1	ENSG00000174744	17010196;
D015741	increase	BUB1	ENSG00000169679	19318562;
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D015741	increase	C17ORF80	ENSG00000141219	17010196;
D015741	increase	C18ORF8	ENSG00000141452	17010196;
D015741	increase	C1ORF116	ENSG00000248413	17010675;
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D015741	increase	C6ORF125	ENSG00000137288	17010196;
D015741	increase	CAMKK2	ENSG00000110931	16751804;
D015741	increase	CAPZA1	ENSG00000116489	17152098;
D015741	increase	CAPZB	ENSG00000077549	17152098;
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D015741	increase	CASC4	ENSG00000166734	17010196;
D015741	increase	CASC5	ENSG00000137812	17010196;

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D015741	increase	CENPN	ENSG00000166451	17010675;
D015741	increase	CHEK1	ENSG00000149554	19318562;
D015741	increase	CKB	ENSG00000166165	17152098;
D015741	increase	CLDN3	ENSG00000165215	17010196;
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D015741	increase	DIRC1	ENSG00000174325	17010196;
D015741	increase	DLG5	ENSG00000151208	17010196;
D015741	increase	DYNLL2	ENSG00000121083	16751804;
D015741	increase	EAF2	ENSG00000145088	17010675;
D015741	increase	EBAG9	ENSG00000147654	17010196;
D015741	increase	EEF2	ENSG00000167658	17220478;17152098;
D015741	increase	ELAC2	ENSG00000006744	17010196;
D015741	increase	ELL2	ENSG00000118985	17010675;16751804;
D015741	increase	EPHX2	ENSG00000120915	17152098;
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D015741	increase	EVI5	ENSG00000067208	16751804;
D015741	increase	EZR	ENSG00000092820	16873375;
D015741	increase	FADS1	ENSG00000149485	16751804;
D015741	increase	FAM84B	ENSG00000168672	17010196;
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D015741	increase	FDFT1	ENSG00000079459	17483544;
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D015741	increase	GFM1	ENSG00000168827	17152098;
D015741	increase	GLUL	ENSG00000135821	17152098;
D015741	increase	GNAI3	ENSG00000065135	16751804;
D015741	increase	GNMT	ENSG00000124713	17010675;
D015741	increase	GOT2	ENSG00000125166	17626249;
D015741	increase	GREB1	ENSG00000196208	16496412;
D015741	increase	GSPT1	ENSG00000103342	17152098;
D015741	increase	GSS	ENSG00000100983	17152098;
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D015741	increase	HEXB	ENSG00000049860	17010196;
D015741	increase	HMGCR	ENSG00000113161	16751804;
D015741	increase	HMGCS1	ENSG00000112972	17152098;
D015741	increase	HNRNPF	ENSG00000169813	17220478;17152098;
D015741	increase	HSPA5	ENSG00000044574	17440980;17220478;17152098;
D015741	increase	HSPB1	ENSG00000106211	17152098;
D015741	increase	HUS1	ENSG00000136273	19318562;
D015741	increase	HYOU1	ENSG00000149428	17152098;
D015741	increase	ICK	ENSG00000112144	17010196;
D015741	increase	IDE	ENSG00000119912	17152098;
D015741	increase	IDH1	ENSG00000138413	17152098;

D015741	increase	IDI1	ENSG00000067064	17152098;
D015741	increase	IGFBP3	ENSG00000146674	16825320;
D015741	increase	IMMT	ENSG00000132305	17152098;
D015741	increase	INSIG1	ENSG00000186480	16751804;
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D015741	increase	KLK2	ENSG00000167751	17010675;16751804;
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D015741	increase	KRT8	ENSG00000170421	17010196;17152098;
D015741	increase	LDHD	ENSG00000166816	17152098;
D015741	increase	LGALS8	ENSG00000116977	17010196;
D015741	increase	LSM1	ENSG00000175324	17010196;
D015741	increase	LTA4H	ENSG00000111144	17152098;
D015741	increase	MAF	ENSG00000178573	17010675;16751804;
D015741	increase	MAGED2	ENSG00000102316	17010196;
D015741	increase	MAP7	ENSG00000135525	16751804;
D015741	increase	MCC	ENSG00000171444	17010196;
D015741	increase	MED28	ENSG00000118579	17010675;16751804;
D015741	increase	MMP2	ENSG00000087245	16888681;
D015741	increase	MPHOSPH9	ENSG00000051825	17010675;
D015741	increase	MRPS11	ENSG00000181991	17010196;
D015741	increase	MTERFD2	ENSG00000122085	16751804;
D015741	increase	NANS	ENSG00000095380	17152098;
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D015741	increase	NCOA6	ENSG00000198646	17010196;
D015741	increase	ND2	ENSG00000198763	17010196;
D015741	increase	ND4	ENSG00000198886	17010196;
D015741	increase	NDRG1	ENSG00000104419	17220478;
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D015741	increase	NKX3-1	ENSG00000167034	008;17010675;17202838;17
				131305;17303007;
D015741	increase	NLN	ENSG00000123213	17152098;
D015741	increase	NNMT	ENSG00000166741	17010675;
D015741	increase	NPLOC4	ENSG00000182446	17152098;
D015741	increase	NUCB2	ENSG00000070081	17010196;
D015741	increase	ORM1	ENSG00000229314	16751804;
D015741	increase	PA2G4	ENSG00000170515	15994225;
D015741	increase	PAGE1	ENSG00000068985	17010196;
D015741	increase	PANK4	ENSG00000157881	17152098;
D015741	increase	PARK7	ENSG00000116288	17152098;
D015741	increase	PDIA3	ENSG00000167004	17152098;
D015741	increase	PDIA6	ENSG00000143870	17152098;
D015741	increase	PDS5B	ENSG00000083642	17010196;
D015741	increase	PDXDC1	ENSG00000179889	17152098;
D015741	increase	PGM2	ENSG00000169299	17152098;
D015741	increase	PHGDH	ENSG00000092621	17152098;
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				12711008;17010675;17010
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D015741	increase	PPHLN1	ENSG00000134283	17010196;
D015741	increase	PRDX6	ENSG00000117592	17152098;
D015741	increase	PSMC1	ENSG00000100764	17152098;
D015741	increase	PSMC3	ENSG00000165916	17152098;
D015741	increase	PSMD2	ENSG00000175166	17220478;17152098;
D015741	increase	PSMD6	ENSG00000163636	17010196;
D015741	increase	PTGER4	ENSG00000171522	17010675;
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D015741	increase	PTPRM	ENSG00000173482	16751804;
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D015741	increase	RDH11	ENSG00000072042	17010196;
D015741	increase	RHOU	ENSG00000116574	16751804;
D015741	increase	RPSA	ENSG00000168028	17152098;
D015741	increase	RRP12	ENSG00000052749	16751804;
D015741	increase	SDCCAG1	ENSG00000165525	17010196;
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D015741	increase	SDCCAG8	ENSG00000054282	17010196;
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D015741	increase	2-Sep	ENSG00000168385	17152098;
D015741	increase	SFXN4	ENSG00000183605	17010196;
D015741	increase	SH3GLB2	ENSG00000148341	17010196;
D015741	increase	SIL1	ENSG00000120725	17152098;
D015741	increase	SLC30A7	ENSG00000162695	16751804;
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D015741	increase	SLC43A1	ENSG00000149150	17010196;
D015741	increase	SLC45A3	ENSG00000158715	17010196;
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D015741	increase	SOCS2	ENSG00000120833	16751804;
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D015741	increase	SPON2	ENSG00000159674	17010196;
D015741	increase	STARD10	ENSG00000214530	17010196;
D015741	increase	STEAP1	ENSG00000164647	17010196;
D015741	increase	STEAP2	ENSG00000157214	17010196;
D015741	increase	STIP1	ENSG00000168439	17440980;17152098;
D015741	increase	STK39	ENSG00000198648	17131305;
D015741	increase	SUCLA2	ENSG00000136143	17152098;
D015741	increase	TACC1	ENSG00000147526	17010196;
D015741	increase	TBCC	ENSG00000124659	17152098;
D015741	increase	TMEM50A	ENSG00000183726	16751804;
D015741	increase	TMPRSS2	ENSG00000184012	12711008;17010675;
D015741	increase	TP53	ENSG00000141510	17202838;
D015741	increase	TPX2	ENSG00000088325	17010196;
D015741	increase	TSHZ1	ENSG00000179981	17010196;
D015741	increase	UAP1	ENSG00000117143	17152098;
D015741	increase	UBA6	ENSG00000033178	17152098;
D015741	increase	UBE2J1	ENSG00000241519	16751804;
D015741	increase	VCL	ENSG00000035403	17152098;
D015741	increase	VCP	ENSG00000165280	17220478;17152098;
D015741	increase	WARS	ENSG00000140105	17152098;
D015741	increase	XPNPEP1	ENSG00000108039	17152098;
D015741	increase	YTHDF1	ENSG00000149658	17010196;
D015741	increase	ZBTB10	ENSG00000205189	17010675;16751804;

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D015759	increase	CCL2	ENSG00000108691	17572062;
D015759	increase	CCL3	ENSG00000006075	17572062;
D015759	increase	CCL4	ENSG00000129277	17572062;
D015759	increase	CCL5	ENSG00000161570	17572062;
D015759	increase	CSF2	ENSG00000164400	17572062;
D015759	increase	DPYD	ENSG00000188641	15705907;
D015759	increase	FOS	ENSG00000170345	15705907;
D015759	increase	IFNG	ENSG00000111537	15379866;15358692;16154495;17572062;
D015759	increase	IL10	ENSG00000136634	17572062;
D015759	increase	IL1B	ENSG00000125538	17572062;
D015759	increase	IL2	ENSG00000109471	18423386;8719445;15379866;16241859;11592964;17572062;16154495;
D015759	increase	IL4	ENSG00000113520	17572062;
D015759	increase	IL5	ENSG00000113525	17572062;
D015759	increase	IL6	ENSG00000136244	17572062;
D015759	increase	IL8	ENSG00000169429	17000667;17572062;
D015759	increase	JUN	ENSG00000177606	15263067;15705907;
D015759	increase	PLD2	ENSG00000129219	18423386;
D015759	increase	TNF	ENSG00000223952	17196940;15358692;10890505;17572062;16154495;
D015762	decrease	MTA1	ENSG00000182979	15601553;
D015766	decrease	MAPT	ENSG00000186868	16930453;
D016047	affect	TFAM	ENSG00000108064	7849699;
D016047	decrease	COX1	ENSG00000198804	18823003;
D016047	decrease	COX3	ENSG00000198938	17508937;
D016047	decrease	IL2RA	ENSG00000134460	7606800;
D016047	decrease	TK1	ENSG00000167900	14659972;
D016047	decrease	TK2	ENSG00000166548	14659972;
D016047	increase	TYMP	ENSG00000025708	16457948;
D016049	decrease	COX2	ENSG00000198712	16940060;
D016190	decrease	BAX	ENSG00000087088	15996812;15576332;
D016190	decrease	BCL2	ENSG00000171791	15576332;17404015;15996812;
D016190	decrease	CASP9	ENSG00000132906	15576332;17404015;15996812;
D016190	increase	BCL2L12	ENSG00000126453	15576332;
D016190	increase	CASP3	ENSG00000164305	15576332;
D016190	increase	FAS	ENSG00000026103	15576332;
D016226	increase	FGF23	ENSG00000118972	15613425;
D016285	decrease	IL1B	ENSG00000125538	16363279;
D016285	decrease	IL6	ENSG00000136244	16363279;
D016285	decrease	SELL	ENSG00000188404	16363279;
D016285	increase	ANGPT1	ENSG00000154188	16373414;
D016285	increase	ANGPT2	ENSG00000091879	16373414;
D016285	increase	FGF2	ENSG00000138685	16373414;
D016293	increase	CYP2B6	ENSG00000197408	18332078;
D016293	increase	CYP3A4	ENSG00000160868	18332078;
D016559	decrease	BIRC5	ENSG00000089685	16574167;
D016559	decrease	CCL11	ENSG00000172156	15948978;
D016559	decrease	CCL5	ENSG00000161570	15948978;
D016559	decrease	CCNB2	ENSG00000157456	16574167;

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D016559	decrease	IL5	ENSG00000113525	15948978;
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D016572	increase	CTSL1	ENSG00000135047	19034006;15964336;15450954;15454731;15808586;12673034;
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D016572	increase	CYP3A5	ENSG00000106258	15250830;
				16682453;17066447;
D016572	increase	CYP3A7	ENSG00000160870	16682453;16882103;
D016572	increase	FGF7	ENSG00000140285	11438525;
D016572	increase	HGF	ENSG00000019991	10914799;
D016572	increase	HIF1A	ENSG00000100644	12673034;
D016572	increase	IGF1	ENSG00000017427	8708960;
D016572	increase	IL12RB2	ENSG00000081985	12493747;
D016572	increase	MMP1	ENSG00000196611	10914799;
D016572	increase	NR3C1	ENSG00000113580	12673034;
D016572	increase	PDGFB	ENSG00000100311	10914799;
D016572	increase	PTGS2	ENSG00000073756	17517105;
D016572	increase	TIMP1	ENSG00000102265	17517105;
D016589	increase	ICAM1	ENSG00000090339	17517105;
D016589	increase	IL1B	ENSG00000125538	17517105;
D016589	increase	VCAM1	ENSG00000162692	14738865;
D016590	increase	CCNA2	ENSG00000145386	14738865;
D016590	increase	RXRA	ENSG00000186350	15383492;15684493;12505310;
D016593	increase	CYP3A4	ENSG00000160868	15120964;
D016604	increase	E2F1	ENSG00000101412	15120964;
D016604	increase	ID1	ENSG00000125968	17855475;
D016627	decrease	HMOX1	ENSG00000100292	19763263;
D016627	decrease	IDH3A	ENSG00000166411	19763263;
D016627	decrease	PDHB	ENSG00000168291	17855475;
D016627	increase	CYBB	ENSG00000165168	19763263;
D016627	increase	HAX1	ENSG00000143575	19763263;
D016627	increase	HSPA8	ENSG00000109971	19763263;
D016627	increase	HTRA2	ENSG00000115317	17855475;
D016627	increase	NOS1	ENSG00000089250	17855475;
D016627	increase	NOS2	ENSG00000007171	18377993;
D016627	increase	PARK7	ENSG00000116288	17855475;
D016627	increase	PTGS2	ENSG00000073756	19763263;
D016627	increase	SPG7	ENSG00000197912	12760830;
D016685	decrease	BMP4	ENSG00000125378	12760830;
D016685	decrease	EPHA2	ENSG00000142627	12760830;
D016685	decrease	HLA-C	ENSG00000204525	12760830;
D016685	decrease	LIG1	ENSG00000105486	12760830;
D016685	decrease	MMP14	ENSG00000157227	12760830;
D016685	decrease	RB1	ENSG00000139687	15617745;

D016685	decrease	RFC4	ENSG00000163918	12760830;
D016685	decrease	TYMP	ENSG00000025708	16568373;18728667;
D016685	decrease	UMPS	ENSG00000114491	16568373;17237621;
D016685	increase	ABCB1	ENSG00000085563	17934748;
D016685	increase	APP	ENSG00000142192	12760830;
D016685	increase	ATF4	ENSG00000128272	12760830;
D016685	increase	BAX	ENSG00000087088	15120327;
D016685	increase	BCL2	ENSG00000171791	15793875;
D016685	increase	CCNB1	ENSG00000134057	12760830;
D016685	increase	EGR1	ENSG00000120738	16217747;12760830;
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D016685	increase	FASLG	ENSG00000117560	16957513;
D016685	increase	MAPRE1	ENSG00000101367	12760830;
D016685	increase	NFYA	ENSG00000001167	12760830;16217747;
D016685	increase	PRNP	ENSG00000171867	12760830;
D016685	increase	PTGS2	ENSG00000073756	15793875;
D016685	increase	RBBP7	ENSG00000102054	12760830;
D016685	increase	RPS3A	ENSG00000145425	12760830;
D016685	increase	SUB1	ENSG00000113387	12760830;
D016685	increase	TP53	ENSG00000141510	12082016;15182437;
D016685	increase	TYMS	ENSG00000176890	16568373;
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D016718	affect	IL8	ENSG00000169429	15115777;
D016718	decrease	ABCD3	ENSG00000117528	16704987;
D016718	decrease	ABCG1	ENSG00000160179	16730733;
D016718	decrease	ADARB1	ENSG00000197381	16704987;
D016718	decrease	AQP3	ENSG00000165272	16704987;
D016718	decrease	BDNF	ENSG00000176697	16704987;
D016718	decrease	C14ORF1	ENSG00000133935	16704987;
D016718	decrease	COL18A1	ENSG00000182871	16704987;
D016718	decrease	CTDSPL	ENSG00000144677	16704987;
D016718	decrease	DDX24	ENSG00000089737	16704987;
D016718	decrease	DHCR7	ENSG00000172893	16704987;
D016718	decrease	EBP	ENSG00000147155	16704987;
D016718	decrease	FGFR3	ENSG00000068078	16704987;
D016718	decrease	GNPDA1	ENSG00000113552	16704987;
D016718	decrease	HMGCR	ENSG00000113161	16704987;
D016718	decrease	HS2ST1	ENSG00000153936	16704987;
D016718	decrease	HSPB11	ENSG00000081870	16704987;
D016718	decrease	ID3	ENSG00000117318	16704987;
D016718	decrease	IDI1	ENSG00000067064	16704987;
D016718	decrease	IGFBP7	ENSG00000163453	16704987;
D016718	decrease	ILVBL	ENSG00000105135	16704987;
D016718	decrease	ISL1	ENSG00000016082	16704987;
D016718	decrease	LSS	ENSG00000160285	16704987;
D016718	decrease	LUC7L3	ENSG00000108848	16704987;
D016718	decrease	NR2F1	ENSG00000175745	16704987;
D016718	decrease	NR4A2	ENSG00000153234	16704987;
D016718	decrease	NRTN	ENSG00000171119	16704987;
D016718	decrease	PDE4DIP	ENSG00000178104	16704987;
D016718	decrease	PDSS2	ENSG00000164494	16704987;
D016718	decrease	RETN	ENSG00000104918	15949695;
D016718	decrease	SKP2	ENSG00000145604	16704987;

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D016718	decrease	SPAST	ENSG00000021574	16704987;
D016718	decrease	SRGAP2	ENSG00000163486	16704987;
D016718	decrease	TNS3	ENSG00000136205	16704987;
D016718	decrease	TOP2A	ENSG00000131747	16704987;
D016718	decrease	ZBED2	ENSG00000177494	16704987;
D016718	increase	ABCB11	ENSG00000073734	15307955;
D016718	increase	ALOX15	ENSG00000161905	11861792;
D016718	increase	ARHGDIA	ENSG00000141522	16704987;
D016718	increase	ATF3	ENSG00000162772	16704987;
D016718	increase	CD40	ENSG00000101017	15684433;
D016718	increase	CPT1A	ENSG00000110090	15307955;
D016718	increase	CYP2E1	ENSG00000130649	16978661;17034788;
D016718	increase	DDIT4	ENSG00000168209	16704987;
D016718	increase	EGR1	ENSG00000120738	16704987;
D016718	increase	FOS	ENSG00000170345	16704987;
D016718	increase	FOSL1	ENSG00000175592	16704987;
D016718	increase	GCLC	ENSG00000001084	17092368;16704987;
D016718	increase	GCLM	ENSG00000023909	16704987;
D016718	increase	HMOX1	ENSG00000100292	16704987;17092368;
D016718	increase	IL12B	ENSG00000113302	15684433;
D016718	increase	IL4	ENSG00000113520	11861792;
D016718	increase	ITGA6	ENSG00000091409	16704987;
D016718	increase	JUN	ENSG00000177606	16704987;
D016718	increase	KLF5	ENSG00000102554	16704987;
D016718	increase	KNG1	ENSG00000113889	15307955;
D016718	increase	KRT18	ENSG00000111057	17034788;
D016718	increase	KRT8	ENSG00000170421	17034788;
D016718	increase	MAFF	ENSG00000185022	16704987;
D016718	increase	MMP13	ENSG00000137745	16185265;
D016718	increase	MMP2	ENSG00000087245	16185265;
D016718	increase	MMP9	ENSG00000100985	16185265;
D016718	increase	PHLDA1	ENSG00000139289	16704987;
D016718	increase	PMAIP1	ENSG00000141682	16704987;
D016718	increase	PSAT1	ENSG00000135069	16704987;
D016718	increase	PTGS2	ENSG00000073756	15684433;17092368;
D016718	increase	PTP4A1	ENSG00000112245	16704987;
D016718	increase	RAPGEF2	ENSG00000109756	16704987;
D016718	increase	SLC7A11	ENSG00000151012	16704987;
D016718	increase	SNAI2	ENSG00000019549	16704987;
D016718	increase	SQSTM1	ENSG00000161011	16704987;
D016718	increase	STC2	ENSG00000113739	16704987;
D016718	increase	TNF	ENSG00000223952	15684433;
D016718	increase	TNFRSF12A	ENSG00000006327	16704987;
D016718	increase	YWHAZ	ENSG00000164924	16704987;
D016729	affect	IGF1	ENSG00000017427	17143537;
D016729	affect	ITGA5	ENSG00000161638	17143537;
D016729	affect	ITGB3	ENSG00000056345	17143537;
D016729	decrease	IGF1R	ENSG00000140443	17143537;
D016729	increase	BAX	ENSG00000087088	15965100;
D016729	increase	CASP3	ENSG00000164305	15965100;
D016729	increase	CASP9	ENSG00000132906	15965100;
D016912	affect	ALPL	ENSG00000162551	12521655;

D016912	affect	BGLAP	ENSG00000242252	12521655;
D016912	affect	VDR	ENSG00000111424	12521655;
D016912	decrease	BCL2	ENSG00000171791	16019350;
D016912	decrease	C4BPB	ENSG00000123843	14551147;
D016912	decrease	F5	ENSG00000198734	14551147;
D016912	decrease	FSHB	ENSG00000131808	17190377;16291413;15387353;
D016912	decrease	GAS6	ENSG00000248501	17717130;
D016912	decrease	IGF1	ENSG00000017427	11172797;
D016912	decrease	LDLR	ENSG00000130164	17900441;
D016912	decrease	LHB	ENSG00000104826	17190377;16291413;15387353;
D016912	decrease	MKI67	ENSG00000148773	16019350;
D016912	decrease	PLAT	ENSG00000104368	12618251;15288212;15157790;
D016912	decrease	PROS1	ENSG00000184500	14551147;12618251;
D016912	decrease	SERPINC1	ENSG00000117601	15288212;14981370;12618251;
D016912	decrease	SERPINE1	ENSG00000106366	14981370;15288212;15157790;
D016912	decrease	TNFSF11	ENSG00000120659	16114553;
D016912	decrease	VCAM1	ENSG00000162692	15769986;
D016912	increase	AGT	ENSG00000135744	17519148;
D016912	increase	APOB	ENSG00000084674	15769986;
D016912	increase	CRP	ENSG00000132693	15769986;
D016912	increase	F7	ENSG00000057593	15157790;12618251;
D016912	increase	F8	ENSG00000185010	12618251;
D016912	increase	FGA	ENSG00000171560	12618251;15288212;
D016912	increase	FGB	ENSG00000171564	12618251;15288212;
D016912	increase	FGG	ENSG00000171557	12618251;15288212;
D016912	increase	GH1	ENSG00000189162	11172797;
D016912	increase	PLG	ENSG00000122194	12618251;15157790;
D016912	increase	PROC	ENSG00000115718	15288212;14551147;12618251;
D016912	increase	SERPINA5	ENSG00000188488	14551147;
D016912	increase	SHBG	ENSG00000129214	12586319;14981370;17519148;
D016912	increase	TNF	ENSG00000223952	15769986;
D016912	increase	TNFRSF11B	ENSG00000164761	16114553;
D016912	increase	VEGFA	ENSG00000112715	17010073;
D017127	increase	CCL2	ENSG00000108691	16143069;
D017135	affect	PROS1	ENSG00000184500	11442481;
D017135	decrease	LHB	ENSG00000104826	17105841;
D017135	decrease	VCAM1	ENSG00000162692	17105841;
D017135	increase	CRP	ENSG00000132693	17105841;16637303;
D017135	increase	LDLR	ENSG00000130164	17900441;
D017239	decrease	BRCA1	ENSG00000012048	15607317;
D017239	decrease	DPYD	ENSG00000188641	18630517;18506536;16568373;
D017239	decrease	EFNA1	ENSG00000169242	19682730;
D017239	decrease	EHF	ENSG00000135373	19682730;
D017239	decrease	FXYP3	ENSG00000089356	16322897;19682730;
D017239	decrease	HOOK1	ENSG00000134709	19682730;
D017239	decrease	ITGB6	ENSG00000115221	19682730;
D017239	decrease	MAPK14	ENSG00000112062	16051289;

D017239	decrease	MAPT	ENSG00000186868	16896004;16930453;
D017239	decrease	MCL1	ENSG00000143384	14749477;
D017239	decrease	MPZL2	ENSG00000149573	19682730;
D017239	decrease	NAT1	ENSG00000171428	17564303;15015580;
D017239	decrease	PPAP2C	ENSG00000141934	19682730;
D017239	decrease	PRRG4	ENSG00000135378	19682730;
D017239	decrease	S100P	ENSG00000163993	19682730;16322897;18636193;
D017239	decrease	SPINT2	ENSG00000167642	19682730;
D017239	decrease	TFAP2C	ENSG00000087510	19682730;
D017239	decrease	TPD52	ENSG00000076554	19682730;
D017239	decrease	UMPS	ENSG00000114491	16568373;17237621;
D017239	increase	ABCB1	ENSG00000085563	15901749;16322897;15239142;18433974;17284363;15252144;16831368;15990222;10617675;15650019;1867
D017239	increase	AIFM1	ENSG00000156709	16168113;
D017239	increase	APAF1	ENSG00000120868	14749477;
D017239	increase	APOD	ENSG00000189058	19682730;
D017239	increase	ASPM	ENSG00000066279	17374387;
D017239	increase	AURKA	ENSG00000087586	17374387;
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D017239	increase	BAK1	ENSG00000030110	10822281;
D017239	increase	BAX	ENSG00000087088	16168113;17399942;10822281;16051289;
D017239	increase	BBC3	ENSG00000105327	16481741;
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D017239	increase	BIRC2	ENSG00000110330	16217747;16243823;14749477;
D017239	increase	BIRC3	ENSG00000023445	16243823;14749477;
D017239	increase	BIRC5	ENSG00000089685	16211241;16202317;16373717;15970709;14749477;17399942;16170024;
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D017239	increase	CCNB1	ENSG00000134057	16849574;16356831;18516295;
D017239	increase	CCND1	ENSG00000110092	16243823;
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D017239	increase	CDH11	ENSG00000140937	19682730;
D017239	increase	CDKN1A	ENSG00000124762	16168113;18516295;16413505;
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D017239	increase	COL1A2	ENSG00000164692	19682730;
D017239	increase	COL4A1	ENSG00000187498	19682730;
D017239	increase	COL4A2	ENSG00000134871	19682730;
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D017239	increase	CYP3A4	ENSG00000160868	15901749;12065438;15650019;
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D017239	increase	ENPP2	ENSG00000136960	19682730;
D017239	increase	F2	ENSG00000180210	19944065;
D017239	increase	F3	ENSG00000117525	19944065;
D017239	increase	FAS	ENSG00000026103	16051289;
D017239	increase	FASLG	ENSG00000117560	16051289;
D017239	increase	FBN1	ENSG00000166147	19682730;
D017239	increase	ICAM1	ENSG00000090339	16243823;
D017239	increase	IGFBP4	ENSG00000141753	16896004;19682730;
D017239	increase	MAPK1	ENSG00000100030	16211241;16051289;16413505;
D017239	increase	MAPK3	ENSG00000102882	16211241;16051289;16413505;
D017239	increase	MAPK8	ENSG00000107643	16051289;19944065;
D017239	increase	MAPK9	ENSG00000050748	16051289;19944065;
D017239	increase	MMP9	ENSG00000100985	16243823;
D017239	increase	MYC	ENSG00000136997	16243823;18802399;
D017239	increase	NRP1	ENSG00000099250	19682730;
D017239	increase	OLFML3	ENSG00000116774	19682730;
D017239	increase	PCOLCE	ENSG00000106333	19682730;
D017239	increase	PLK1	ENSG00000166851	18516295;
D017239	increase	POSTN	ENSG00000133110	19682730;
D017239	increase	PRC1	ENSG00000198901	17374387;
D017239	increase	PTGS2	ENSG00000073756	16243823;16127422;16831230;15846114;
D017239	increase	RELA	ENSG00000173039	16243823;19944065;17039268;15291876;
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D017239	increase	SDC2	ENSG00000169439	19682730;
D017239	increase	SERPINF1	ENSG00000132386	19682730;
D017239	increase	SPARC	ENSG00000113140	19682730;
D017239	increase	THY1	ENSG00000154096	19682730;
D017239	increase	TP53	ENSG00000141510	16168113;18516295;12082016;15990222;16734730;16413505;
D017239	increase	TYMP	ENSG00000025708	17640356;18506536;18630517;
D017239	increase	TYMS	ENSG00000176890	16168113;18630517;16568373;16424979;10482907;
D017239	increase	VEGFA	ENSG00000112715	16243823;17498666;
D017239	increase	XIAP	ENSG00000101966	16243823;18071906;16356831;
D017245	increase	DMP1	ENSG00000152592	20185895;
D017245	increase	PHEX	ENSG00000102174	18500657;
D017255	decrease	BCL2	ENSG00000171791	16196285;16109552;
D017255	decrease	CCND1	ENSG00000110092	16610086;
D017255	decrease	MAPK1	ENSG00000100030	16610086;
D017255	decrease	MAPK3	ENSG00000102882	16610086;
D017255	decrease	STAT3	ENSG00000168610	16610086;
D017255	increase	BAX	ENSG00000087088	16196285;16109552;
D017258	decrease	FSHB	ENSG00000131808	16236362;
D017258	decrease	IL6	ENSG00000136244	16702388;
D017258	decrease	LCN2	ENSG00000148346	15866426;
D017258	decrease	TNF	ENSG00000223952	15866426;16702388;

D017258	increase	ATP1A1	ENSG00000163399	15866426;
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D017258	increase	CDKN1B	ENSG00000111276	17283133;
D017258	increase	CRP	ENSG00000132693	17882670;15990257;
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D017258	increase	F2	ENSG00000180210	11733402;
D017258	increase	F2R	ENSG00000181104	11733402;
D017258	increase	F3	ENSG00000117525	11733402;16011840;
D017258	increase	FBLN1	ENSG00000077942	15774544;
D017258	increase	HOXA10	ENSG00000078399	16632680;
D017258	increase	HOXA11	ENSG00000005073	16632680;
D017258	increase	ICAM1	ENSG00000090339	15358673;
D017258	increase	NOS3	ENSG00000164867	15358673;
D017258	increase	PRL	ENSG00000172179	15774544;
D017258	increase	SERPINE1	ENSG00000106366	16011840;
D017258	increase	VCAM1	ENSG00000162692	15358673;
D017258	increase	VEGFA	ENSG00000112715	17010073;15860260;
D017258	increase	ZFP36	ENSG00000128016	15866426;
D017259	affect	CD14	ENSG00000170458	14499251;
D017259	decrease	JUN	ENSG00000177606	9187264;
D017259	decrease	MYC	ENSG00000136997	9187264;
D017259	increase	FOS	ENSG00000170345	9187264;
D017259	increase	HRH2	ENSG00000113749	9187264;14499251;122352
D017259	increase	IL16	ENSG00000172349	12235264;
D017259	increase	TNF	ENSG00000223952	9088875;
D017273	decrease	ESR1	ENSG00000091831	16973256;
D017273	decrease	PGR	ENSG00000082175	16973256;
D017273	decrease	TP53	ENSG00000141510	16973256;
D017273	increase	BCL2	ENSG00000171791	16973256;
D017279	increase	IL8	ENSG00000169429	14572605;
D017291	decrease	CYP3A4	ENSG00000160868	16416302;16837568;
D017291	decrease	IL4	ENSG00000113520	16006447;
D017291	decrease	ITGB4	ENSG00000132470	14687228;
D017291	decrease	LSS	ENSG00000160285	15342952;
D017291	decrease	PHYH	ENSG00000107537	15342952;
D017291	increase	ASAH1	ENSG00000104763	15342952;
D017291	increase	INHBE	ENSG00000139269	15342952;
D017292	decrease	CCNA2	ENSG00000145386	15371785;
D017292	decrease	VEGFA	ENSG00000112715	16007219;
D017292	increase	BAX	ENSG00000087088	16007219;
D017292	increase	SERPINB5	ENSG00000206075	16007219;
D017292	increase	SMAD4	ENSG00000141646	16007219;
D017308	decrease	BCL2	ENSG00000171791	16046235;16104877;
D017308	decrease	BIRC2	ENSG00000110330	16104877;16046235;
D017308	decrease	BIRC5	ENSG00000089685	16004971;16104877;16046235;
D017308	decrease	CD44	ENSG00000026508	16046235;
D017308	decrease	CXCR4	ENSG00000121966	16046235;
D017308	decrease	HGF	ENSG00000019991	10807402;
D017308	decrease	ITGA4	ENSG00000115232	16046235;
D017308	decrease	ITGAL	ENSG00000005844	16046235;
D017308	decrease	ITGB1	ENSG00000150093	16046235;
D017313	affect	ARL6IP5	ENSG00000144746	16720286;
D017313	affect	IARS2	ENSG00000067704	16570282;

D017313	affect	IDH1	ENSG00000138413	16570282;
D017313	affect	MCM3AP	ENSG00000160294	16570282;
D017313	affect	MIPEP	ENSG00000027001	16570282;
D017313	affect	MTCH1	ENSG00000137409	16570282;
D017313	affect	MTHFD2	ENSG00000065911	16570282;
D017313	affect	NDUFA10	ENSG00000130414	16570282;
D017313	affect	NDUFA1	ENSG00000125356	16570282;
D017313	affect	NDUFA5	ENSG00000128609	16570282;
D017313	affect	NDUFA8	ENSG00000119421	16570282;
D017313	affect	NDUFA9	ENSG00000139180	16570282;
D017313	affect	NDUFAB1	ENSG00000004779	16570282;
D017313	affect	NDUFB2	ENSG00000090266	16570282;
D017313	affect	NDUFB3	ENSG00000119013	16570282;
D017313	affect	NDUFB6	ENSG00000165264	16570282;
D017313	affect	NDUFB7	ENSG00000099795	16570282;
D017313	affect	NQO1	ENSG00000181019	16570282;
				16407847;16570282;16230
D017313	affect	PARP1	ENSG00000143799	421;17159502;15735044;17
				273769;
D017313	affect	TFAM	ENSG00000108064	16570282;
D017313	affect	TIMM23	ENSG00000138297	16570282;
D017313	affect	TOMM40	ENSG00000130204	16570282;
D017313	affect	UQCRH	ENSG00000173660	16570282;
D017313	decrease	APOC4	ENSG00000224916	16671099;
D017313	decrease	BARD1	ENSG00000138376	16570282;
D017313	decrease	BCL2L1	ENSG00000171552	16187019;
D017313	decrease	BRCA2	ENSG00000139618	16570282;
D017313	decrease	CASP3	ENSG00000164305	16972258;16407847;16124
				896;17159502;17273769;
D017313	decrease	CCNA2	ENSG00000145386	16540676;
D017313	decrease	CD34	ENSG00000174059	15958647;
D017313	decrease	CD58	ENSG00000116815	16671099;
D017313	decrease	CDK1	ENSG00000170312	16671099;
D017313	decrease	CDK5R1	ENSG00000176749	16570282;
D017313	decrease	CRIP2	ENSG00000182809	16671099;
D017313	decrease	DUT	ENSG00000128951	16671099;
D017313	decrease	FAF1	ENSG00000185104	16570282;
D017313	decrease	FKBP4	ENSG00000004478	16671099;
D017313	decrease	GNG11	ENSG00000127920	16671099;
D017313	decrease	H2AFZ	ENSG00000164032	16671099;
D017313	decrease	HMGN2	ENSG00000198830	16671099;
D017313	decrease	HSPA2	ENSG00000126803	15958647;
D017313	decrease	IGFBP5	ENSG00000115461	16671099;
D017313	decrease	IL4R	ENSG00000077238	16570282;
D017313	decrease	KCTD3	ENSG00000136636	16671099;
D017313	decrease	LDHA	ENSG00000134333	16570282;16671099;
D017313	decrease	LDLR	ENSG00000130164	15958647;
D017313	decrease	LILRB2	ENSG00000131042	16570282;
D017313	decrease	MDM2	ENSG00000135679	16570282;
D017313	decrease	MED16	ENSG00000175221	16570282;
D017313	decrease	NUCKS1	ENSG00000069275	16671099;
D017313	decrease	PAX6	ENSG00000007372	17110918;
D017313	decrease	PCNA	ENSG00000132646	16671099;
D017313	decrease	PPP1R3C	ENSG00000119938	15958647;

D017313	decrease	PTTG1	ENSG00000164611	16671099;
D017313	decrease	RAD21	ENSG00000164754	16671099;
D017313	decrease	RARG	ENSG00000172819	10623701;15375546;
D017313	decrease	SERPINB2	ENSG00000197632	16671099;
D017313	decrease	SRP19	ENSG00000153037	16671099;
D017313	decrease	SSBP4	ENSG00000130511	16671099;
D017313	decrease	TFF3	ENSG00000160180	15958647;16671099;
D017313	decrease	TUBB	ENSG00000229684	16671099;
D017313	decrease	VIM	ENSG00000026025	17024972;
D017313	decrease	XIAP	ENSG00000101966	17159502;
D017313	decrease	XRCC1	ENSG00000073050	16124896;
D017313	increase	ACADVL	ENSG00000072778	16671099;
D017313	increase	AGXT	ENSG00000172482	16671099;
D017313	increase	AKR1C1	ENSG00000187134	16671099;
D017313	increase	ALDOC	ENSG00000109107	16671099;
D017313	increase	ATF3	ENSG00000162772	15958647;16671099;
D017313	increase	ATF4	ENSG00000128272	16671099;17353921;
D017313	increase	BAK1	ENSG00000030110	17273769;
D017313	increase	BAX	ENSG00000087088	17159502;
D017313	increase	BBC3	ENSG00000105327	16091745;
D017313	increase	BCL2A1	ENSG00000140379	16230421;
D017313	increase	BCL2	ENSG00000171791	16230421;16187019;17159502;
D017313	increase	BCL2L14	ENSG00000121380	16570282;
D017313	increase	BIRC2	ENSG00000110330	16230421;
D017313	increase	BMP2	ENSG00000125845	15958647;
D017313	increase	C10ORF10	ENSG00000165507	15958647;
D017313	increase	CALR	ENSG00000179218	17353921;
D017313	increase	CANX	ENSG00000127022	17353921;
D017313	increase	CCL20	ENSG00000115009	15958647;
D017313	increase	CCND1	ENSG00000110092	16230421;17387344;
D017313	increase	CDKN1A	ENSG00000124762	16540676;16570282;
D017313	increase	CDKN1B	ENSG00000111276	16270382;
D017313	increase	CDKN2A	ENSG00000147889	16570282;
D017313	increase	CFLAR	ENSG00000003402	16230421;
D017313	increase	CLDN3	ENSG00000165215	16671099;
D017313	increase	CLDN4	ENSG00000189143	16671099;
D017313	increase	CRYAB	ENSG00000109846	16671099;
D017313	increase	CXCL2	ENSG00000081041	15958647;
D017313	increase	CXCL3	ENSG00000163734	15958647;
D017313	increase	CYP26A1	ENSG00000095596	15291358;
D017313	increase	CYP3A4	ENSG00000160868	16632523;
D017313	increase	DDIT3	ENSG00000175197	16972258;17273769;15958647;16671099;17353921;
D017313	increase	DDIT4	ENSG00000168209	15958647;
D017313	increase	DHRS3	ENSG00000162496	15958647;
D017313	increase	DNAJC10	ENSG00000077232	17353921;
D017313	increase	EGFR	ENSG00000146648	16570282;
D017313	increase	ELF3	ENSG00000163435	16671099;15059897;
D017313	increase	ERCC1	ENSG00000012061	15059897;
D017313	increase	GADD45A	ENSG00000116717	17474084;16570282;16671099;
D017313	increase	GDF15	ENSG00000130513	15958647;16671099;
D017313	increase	GPRC5A	ENSG00000013588	15958647;

D017313	increase	GRB2	ENSG00000177885	15059897;
D017313	increase	HERPUD1	ENSG00000051108	15958647;
D017313	increase	HMOX1	ENSG00000100292	16972258;
D017313	increase	HSPA5	ENSG00000044574	17353921;
D017313	increase	HSPB8	ENSG00000152137	16671099;
D017313	increase	IRF1	ENSG00000125347	15958647;
D017313	increase	JAK1	ENSG00000162434	15059897;
D017313	increase	JUN	ENSG00000177606	15059897;16407847;
D017313	increase	KLF7	ENSG00000118263	15958647;
D017313	increase	KLRC2	ENSG00000205809	16671099;
D017313	increase	KRT18	ENSG00000111057	17387344;
D017313	increase	KRT8	ENSG00000170421	17387344;
D017313	increase	LCN2	ENSG00000148346	16671099;
D017313	increase	MAP1LC3B	ENSG00000140941	16671099;
D017313	increase	MAPT	ENSG00000186868	16570282;
D017313	increase	MDK	ENSG00000110492	16671099;
D017313	increase	MGMT	ENSG00000170430	16950796;15059897;
D017313	increase	MMP9	ENSG00000100985	16230421;
D017313	increase	MYC	ENSG00000136997	16230421;
D017313	increase	NCF2	ENSG00000116701	15059897;16077929;
D017313	increase	NR1I2	ENSG00000144852	16632523;
D017313	increase	NR2C2	ENSG00000177463	16570282;
D017313	increase	NRIP1	ENSG00000180530	15958647;
D017313	increase	NUCB2	ENSG00000070081	16671099;
D017313	increase	PDIA3	ENSG00000167004	17353921;
D017313	increase	PGD	ENSG00000142657	16671099;
D017313	increase	PIR	ENSG00000087842	16671099;
D017313	increase	PMAIP1	ENSG00000141682	17216584;
D017313	increase	PPIF	ENSG00000108179	16671099;
D017313	increase	PRRX1	ENSG00000116132	16570282;
D017313	increase	PTGS2	ENSG00000073756	16230421;15958647;16127422;
D017313	increase	RARA	ENSG00000131759	10623701;15375546;15735044;
D017313	increase	RARB	ENSG00000077092	10660875;15375546;
D017313	increase	RB1	ENSG00000139687	16570282;
D017313	increase	RBAK	ENSG00000146587	16570282;
D017313	increase	RBBP4	ENSG00000162521	16570282;
D017313	increase	RBL2	ENSG00000103479	15059897;
D017313	increase	RGS5	ENSG00000143248	16671099;
D017313	increase	RXRA	ENSG00000186350	10623701;16632523;15375546;16570282;
D017313	increase	RXRB	ENSG00000235712	10660875;16570282;
D017313	increase	RXRG	ENSG00000249671	10623701;16570282;15735044;
D017313	increase	SELE	ENSG00000007908	15958647;
D017313	increase	SEMA3C	ENSG00000075223	15958647;
D017313	increase	SLC25A14	ENSG00000102078	16570282;
D017313	increase	SLC3A2	ENSG00000168003	16671099;
D017313	increase	SLC7A5	ENSG00000103257	15958647;
D017313	increase	ST3GAL1	ENSG00000008513	15958647;
D017313	increase	TNF	ENSG00000223952	16230421;
D017313	increase	TNFRSF10B	ENSG00000120889	17273769;15735044;
D017313	increase	TNFSF13B	ENSG00000102524	16570282;

D017313	increase	TP53BP1	ENSG00000067369	16570282;
D017313	increase	TP53	ENSG00000141510	16720286;17216584;16540676;16570282;17159502;
D017313	increase	TPD52L1	ENSG00000111907	16671099;
D017313	increase	TRAF1	ENSG00000056558	16230421;
D017313	increase	TRAK2	ENSG00000115993	16671099;
D017313	increase	TRIM33	ENSG00000197323	15958647;
D017313	increase	TUBB3	ENSG00000198211	17110918;
D017313	increase	UBE2C	ENSG00000175063	16671099;16570282;
D017313	increase	UBE3A	ENSG00000114062	16570282;
D017313	increase	VDR	ENSG00000111424	17024972;
D017313	increase	VEGFA	ENSG00000112715	16230421;
D017313	increase	WARS	ENSG00000140105	16671099;
D017316	increase	TFF1	ENSG00000160182	15525692;
D017323	increase	HMOX1	ENSG00000100292	16462769;
D017332	decrease	IL5	ENSG00000113525	15061398;
D017332	decrease	IL8	ENSG00000169429	15061398;
D017336	decrease	AP1S1	ENSG00000106367	17567588;
D017336	decrease	SLC2A3	ENSG00000059804	17567588;15342952;
D017336	decrease	TAGLN	ENSG00000149591	17567588;15342952;
D017336	increase	ASNS	ENSG00000070669	17567588;15342952;
D017336	increase	FABP1	ENSG00000163586	17567588;15342952;
D017336	increase	GDPD3	ENSG00000102886	15342952;
D017336	increase	HPN	ENSG00000105707	15342952;
D017336	increase	INHBE	ENSG00000139269	17567588;15342952;
D017336	increase	LSS	ENSG00000160285	15342952;
D017336	increase	NR0B2	ENSG00000131910	15342952;
D017336	increase	NUPR1	ENSG00000176046	17567588;15342952;
D017336	increase	SERPINA3	ENSG00000196136	15342952;
D017338	decrease	BIRC3	ENSG00000023445	12948851;
D017338	decrease	DAXX	ENSG00000231617	12948851;
D017338	decrease	PAWR	ENSG00000177425	12948851;
D017338	decrease	XIAP	ENSG00000101966	12948851;
D017338	increase	IL8	ENSG00000169429	10540334;
D017338	increase	TNF	ENSG00000223952	10540334;
D017373	decrease	FSHB	ENSG00000131808	16002536;
D017373	decrease	IGF1	ENSG00000017427	16002536;
D017373	decrease	KLK2	ENSG00000167751	10687981;
D017373	decrease	LHB	ENSG00000104826	16002536;
D017373	decrease	TFRC	ENSG00000072274	16002536;
D017373	increase	AR	ENSG00000169083	17505938;15308689;14751673;15483189;17804755;15336702;10053169;15994225;15084347;
D017373	increase	CCR1	ENSG00000163823	10770211;
D017373	increase	CCR5	ENSG00000160791	10770211;
D017373	increase	CRP	ENSG00000132693	14557435;
D017373	increase	CXCR3	ENSG00000186810	10770211;
D017373	increase	CYP3A4	ENSG00000160868	12505310;
D017373	increase	GREB1	ENSG00000196208	16496412;
D017373	increase	KLK3	ENSG00000142515	16753443;15336702;10687981;15308689;
D017373	increase	PA2G4	ENSG00000170515	15994225;
D017374	decrease	PTGS2	ENSG00000073756	17499975;

D017374	decrease	STAT3	ENSG00000168610	17499975;
D017382	affect	ALOX5AP	ENSG00000132965	15761015;
D017382	affect	CXCL2	ENSG00000081041	10718115;
D017382	affect	CYTL1	ENSG00000170891	15761015;
D017382	affect	GJA1	ENSG00000152661	15761015;
D017382	affect	MYC	ENSG00000136997	17628013;15761015;
D017382	affect	PLD1	ENSG00000075651	17640750;
D017382	affect	PTGS2	ENSG00000073756	17640750;19804834;
D017382	affect	SOX18	ENSG00000203883	15761015;
D017382	affect	TERT	ENSG00000164362	15761015;
D017382	decrease	XRCC1	ENSG00000073050	16124896;
D017382	increase	AKR1C1	ENSG00000187134	9973208;
D017382	increase	CCL2	ENSG00000108691	14576080;
D017382	increase	EDN1	ENSG00000078401	11603923;
D017382	increase	ELANE	ENSG00000197561	11919081;10843967;
D017382	increase	FAS	ENSG00000026103	15382040;
D017382	increase	FN1	ENSG00000115414	15086456;
D017382	increase	IL6	ENSG00000136244	11710721;11950692;
D017382	increase	RAC1	ENSG00000136238	10973919;14576080;
D017382	increase	SOD1	ENSG00000142168	16424399;
D017382	increase	SOD2	ENSG00000112096	8760145;
D017382	increase	TNF	ENSG00000223952	15161907;10973919;14576080;11710721;10802230;
D017382	increase	TP53	ENSG00000141510	10951577;
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D017632	increase	BAX	ENSG00000087088	15882436;
D017632	increase	CITED1	ENSG00000125931	18197826;
D017632	increase	CXCL1	ENSG00000163739	18197826;
D017632	increase	F3	ENSG00000117525	15636197;
D017632	increase	HRAS	ENSG00000174775	10905503;
D017632	increase	IL8	ENSG00000169429	18197826;
D017632	increase	MYC	ENSG00000136997	11198217;
D017632	increase	TP53	ENSG00000141510	12676607;
D017638	affect	ADCY3	ENSG00000138031	17331233;
D017638	affect	ADORA2B	ENSG00000170425	17331233;
D017638	affect	ADRA2A	ENSG00000150594	17331233;
D017638	affect	ARHGEF11	ENSG00000132694	17331233;
D017638	affect	ARID1A	ENSG00000117713	17331233;
D017638	affect	ARID1B	ENSG00000049618	17331233;
D017638	affect	ASF1A	ENSG00000111875	17331233;
D017638	affect	ATF4	ENSG00000128272	17331233;
D017638	affect	ATF6	ENSG00000118217	17331233;
D017638	affect	ATF7IP	ENSG00000171681	17331233;
D017638	affect	BAX	ENSG00000087088	17331233;
D017638	affect	BCL2L1	ENSG00000171552	17331233;
D017638	affect	BCL3	ENSG00000069399	17331233;
D017638	affect	BIRC7	ENSG00000101197	17331233;
D017638	affect	BNIP3L	ENSG00000104765	17331233;
D017638	affect	BRCA1	ENSG00000012048	17331233;
D017638	affect	C5AR1	ENSG00000197405	17331233;
D017638	affect	CCNE1	ENSG00000105173	17331233;
D017638	affect	CDK7	ENSG00000134058	17331233;
D017638	affect	CNKSRI	ENSG00000142675	17331233;
D017638	affect	CREB5	ENSG00000146592	17331233;

D017638	affect	CRKL	ENSG00000099942	17331233;
D017638	affect	CTCF	ENSG00000102974	17331233;
D017638	affect	CTNNB1	ENSG00000168036	17331233;
D017638	affect	CYB5R4	ENSG00000065615	17331233;
D017638	affect	DAXX	ENSG00000231617	17331233;
D017638	affect	DBNL	ENSG00000136279	17331233;
D017638	affect	DUSP22	ENSG00000112679	17331233;
D017638	affect	DUSP2	ENSG00000158050	17331233;
D017638	affect	DUSP8	ENSG00000184545	17331233;
D017638	affect	DUSP9	ENSG00000130829	17331233;
D017638	affect	DYRK1B	ENSG00000105204	17331233;
D017638	affect	EGF	ENSG00000138798	17331233;
D017638	affect	EHF	ENSG00000135373	17331233;
D017638	affect	ELL3	ENSG00000128886	17331233;
D017638	affect	ESRRG	ENSG00000196482	17331233;
D017638	affect	FAF1	ENSG00000185104	17331233;
D017638	affect	FHL2	ENSG00000115641	17331233;
D017638	affect	FOXD3	ENSG00000187140	17331233;
D017638	affect	G3BP2	ENSG00000138757	17331233;
D017638	affect	GAS8	ENSG00000141013	17331233;
D017638	affect	GATA4	ENSG00000136574	17331233;
D017638	affect	GLIS1	ENSG00000174332	17331233;
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D017638	affect	GPS1	ENSG00000169727	17331233;
D017638	affect	GPS2	ENSG00000132522	17331233;
D017638	affect	GRAP2	ENSG00000100351	17331233;
D017638	affect	GRAP	ENSG00000154016	17331233;
D017638	affect	GRB2	ENSG00000177885	17331233;
D017638	affect	GRIP1	ENSG00000155974	17331233;
D017638	affect	GRM7	ENSG00000196277	17331233;
D017638	affect	GRM8	ENSG00000179603	17331233;
D017638	affect	HIPK3	ENSG00000110422	17331233;
D017638	affect	HRK	ENSG00000135116	17331233;
D017638	affect	IGF1	ENSG00000017427	17331233;
D017638	affect	IL10	ENSG00000136634	17331233;
D017638	affect	IL31RA	ENSG00000164509	17331233;
D017638	affect	IL4I1	ENSG00000104951	17331233;
D017638	affect	ILF3	ENSG00000129351	17331233;
D017638	affect	IQGAP1	ENSG00000140575	17331233;
D017638	affect	IQGAP2	ENSG00000145703	17331233;
D017638	affect	IQGAP3	ENSG00000183856	17331233;
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D017638	affect	LAT	ENSG00000213658	17331233;
D017638	affect	LAX1	ENSG00000122188	17331233;
D017638	affect	LCK	ENSG00000182866	17331233;
D017638	affect	LZTFL1	ENSG00000163818	17331233;
D017638	affect	MAML1	ENSG00000161021	17331233;
D017638	affect	MAML2	ENSG00000184384	17331233;
D017638	affect	MAML3	ENSG00000196782	17331233;
D017638	affect	MAP3K10	ENSG00000130758	17331233;
D017638	affect	MAP3K11	ENSG00000173327	17331233;
D017638	affect	MAP3K2	ENSG00000169967	17331233;
D017638	affect	MAP3K5	ENSG00000197442	17331233;
D017638	affect	MAP3K6	ENSG00000142733	17331233;

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D017638	affect	MAP4K1	ENSG00000104814	17331233;
D017638	affect	MAP4K5	ENSG00000012983	17331233;
D017638	affect	MBIP	ENSG00000151332	17331233;
D017638	affect	MED12	ENSG00000184634	17331233;
D017638	affect	MED14	ENSG00000180182	17331233;
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D017638	affect	MED6	ENSG00000133997	17331233;
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D017638	affect	MKL2	ENSG00000186260	17331233;
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D017638	affect	NOTCH4	ENSG00000204301	17331233;
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D017638	affect	OR1J4	ENSG00000239590	17331233;
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D017638	increase	HIST1H4H	ENSG00000182217	18687144;
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D017962	increase	IL1B	ENSG00000125538	16305726;
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D017965	decrease	CCNE1	ENSG00000105173	15318936;
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D017965	decrease	MYC	ENSG00000136997	15318936;
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D017975	increase	TP53	ENSG00000141510	17210701;
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D017998	decrease	FAS	ENSG00000026103	15990778;
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D017998	increase	ICAM1	ENSG00000090339	15947480;
D017998	increase	IL5	ENSG00000113525	15947480;
D017998	increase	TGFB1	ENSG00000105329	15947480;
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D018021	increase	BCL2	ENSG00000171791	18830594;
D018021	increase	CTNNB1	ENSG00000168036	16735606;12813129;16076840;16053526;
D018021	increase	ESR1	ENSG00000091831	16076840;
D018021	increase	F3	ENSG00000117525	15371228;
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D018038	affect	CLK3	ENSG00000179335	16705456;
D018038	affect	CRP	ENSG00000132693	12867288;
D018038	affect	ESR2	ENSG00000140009	16928829;
D018038	affect	INS	ENSG00000129965	18972406;
D018038	affect	NR3C1	ENSG00000113580	16928829;
D018038	affect	PGR	ENSG00000082175	16928829;
D018038	affect	RBBP6	ENSG00000122257	16705456;
D018038	affect	RELA	ENSG00000173039	11888521;12867288;
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D018038	decrease	ABCD1	ENSG00000101986	18175754;

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D018038	decrease	ACOT11	ENSG00000162390	18175754;
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D018038	decrease	ADAM12	ENSG00000148848	18175754;
D018038	decrease	ADIPOQ	ENSG00000181092	18175754;
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D018038	decrease	ASCC3	ENSG00000112249	18175754;
D018038	decrease	ASCL1	ENSG00000139352	18175754;
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D018038	decrease	ATP6V0A1	ENSG00000033627	18175754;
D018038	decrease	ATP8B1	ENSG00000081923	18175754;
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D018038	decrease	BATF3	ENSG00000123685	18175754;
D018038	decrease	BBS4	ENSG00000140463	18175754;
D018038	decrease	BCL9	ENSG00000116128	18175754;
D018038	decrease	BIK	ENSG00000100290	18175754;
D018038	decrease	BIRC3	ENSG00000023445	16705456;
D018038	decrease	BRCA1	ENSG00000012048	10344722;
D018038	decrease	BRCA2	ENSG00000139618	10344722;
D018038	decrease	BRF1	ENSG00000185024	18175754;
D018038	decrease	BTBD7	ENSG00000011114	18175754;
D018038	decrease	C10ORF137	ENSG00000107938	18175754;
D018038	decrease	C12ORF70	ENSG00000165935	18175754;
D018038	decrease	C16ORF3	ENSG00000221819	18175754;
D018038	decrease	C17ORF68	ENSG00000178971	18175754;
D018038	decrease	C18ORF25	ENSG00000152242	18175754;
D018038	decrease	C19ORF42	ENSG00000214046	18175754;
D018038	decrease	C1ORF25	ENSG00000121486	18175754;
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D018038	decrease	C8A	ENSG00000157131	18175754;
D018038	decrease	C9	ENSG00000113600	18175754;
D018038	decrease	C9ORF21	ENSG00000158122	18175754;
D018038	decrease	CACNA2D4	ENSG00000151062	18175754;
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D018038	decrease	CASP3	ENSG00000164305	16705456;
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D018038	decrease	CCDC21	ENSG00000130695	18175754;

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D018038	decrease	CCDC99	ENSG00000040275	18175754;
D018038	decrease	CCNC	ENSG00000112237	16705456;
D018038	decrease	CCND2	ENSG00000118971	16705456;
D018038	decrease	CCNG1	ENSG00000113328	16705456;
D018038	decrease	CD84	ENSG00000066294	18175754;
D018038	decrease	CDC14B	ENSG00000081377	18175754;
D018038	decrease	CDC6	ENSG00000094804	16705456;
D018038	decrease	CDH2	ENSG00000170558	18175754;
D018038	decrease	CDK5	ENSG00000164885	16705456;
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D018038	increase	TXNDC17	ENSG00000129235	18175754;
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D018038	increase	UBE2V2	ENSG00000169139	18175754;
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D018038	increase	UHL5	ENSG00000116750	18175754;
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D018038	increase	USP47	ENSG00000170242	18175754;
D018038	increase	UTS2R	ENSG00000181408	18175754;
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D018119	decrease	PPARG	ENSG00000132170	14518702;
D018119	decrease	UCP2	ENSG00000175567	14518702;
D018119	decrease	UCP3	ENSG00000175564	14518702;
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D018119	increase	TNF	ENSG00000223952	17668557;
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D019207	decrease	BAG3	ENSG00000151929	17034753;
D019207	decrease	BAG4	ENSG00000156735	17034753;
D019207	decrease	BAG5	ENSG00000166170	17034753;
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D019207	decrease	CTSB	ENSG00000164733	17034753;
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D019207	decrease	ITGB1	ENSG00000150093	17034753;
D019207	decrease	ITGB4	ENSG00000132470	17034753;
D019207	decrease	KRT8	ENSG00000170421	17034753;
D019207	decrease	RAD51AP1	ENSG00000111247	17034753;
D019207	decrease	RARA	ENSG00000131759	17034753;
D019207	decrease	SOD1	ENSG00000142168	17034753;
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D019207	increase	ADH5	ENSG00000197894	17034753;
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D019207	increase	ANK3	ENSG00000151150	17034753;
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D019207	increase	BCMO1	ENSG00000135697	16186334;
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D019207	increase	CLDN10	ENSG00000134873	17034753;
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D019207	increase	CRADD	ENSG00000169372	17034753;
D019207	increase	CXCL12	ENSG00000107562	17034753;
D019207	increase	CXCL6	ENSG00000124875	17034753;
D019207	increase	CXCL9	ENSG00000138755	17034753;
D019207	increase	CXCR4	ENSG00000121966	17034753;
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D019207	increase	CYP2C9	ENSG00000138109	17034753;
D019207	increase	CYP3A43	ENSG00000021461	17034753;
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D019207	increase	XRCC3	ENSG00000126215	17034753;
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D019216	decrease	VIM	ENSG00000026025	12773770;
D019216	increase	BMP4	ENSG00000125378	12773770;
D019216	increase	CDKN2A	ENSG00000147889	12773770;
D019216	increase	MT3	ENSG00000087250	12773770;
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D019256	decrease	ATP2B1	ENSG00000070961	17547211;
D019256	decrease	BAG1	ENSG00000250477	12634122;
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D019256	decrease	C1ORF61	ENSG00000125462	12634122;
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D019256	decrease	CDKN1A	ENSG00000124762	17174997;12634122;
D019256	decrease	CIDEB	ENSG00000136305	17547211;
D019256	decrease	CKB	ENSG00000166165	12634122;
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D019256	decrease	CLGN	ENSG00000153132	17547211;
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D019256	decrease	ERCC2	ENSG00000104884	12634122;
D019256	decrease	ERCC5	ENSG00000134899	12634122;
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D019256	decrease	HSP90AA1	ENSG00000080824	12760830;
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D019256	decrease	IER3	ENSG00000137331	12760830;
D019256	decrease	IGFBP7	ENSG00000163453	12634122;
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D019256	decrease	MCF2	ENSG00000101977	12634122;
D019256	decrease	MCM5	ENSG00000100297	12760830;
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D019256	decrease	OS9	ENSG00000135506	17547211;
D019256	decrease	PDIA2	ENSG00000185615	16440303;
D019256	decrease	PGC	ENSG00000096088	17547211;

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D019256	decrease	PSPH	ENSG00000146733	17547211;
D019256	decrease	PTP4A1	ENSG00000112245	12634122;
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D019256	decrease	SPINK1	ENSG00000164266	12634122;
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D019256	decrease	STOM	ENSG00000148175	12634122;
D019256	decrease	TGFB2	ENSG00000092969	12634122;
D019256	decrease	TM4SF1	ENSG00000169908	12634122;
D019256	decrease	TMSB4X	ENSG00000205542	12760830;
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D019256	increase	CASP10	ENSG00000003400	12634122;
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D019256	increase	SPP1	ENSG00000118785	17547211;
D019256	increase	STMN1	ENSG00000117632	16440303;
D019256	increase	TNFAIP3	ENSG00000118503	17547211;
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D019258	increase	IL6	ENSG00000136244	15388451;
D019259	decrease	AFAP1	ENSG00000196526	15784690;
D019259	decrease	CCNA2	ENSG00000145386	15784690;
D019259	decrease	CCNC	ENSG00000112237	15784690;
D019259	decrease	CCND2	ENSG00000118971	15784690;
D019259	decrease	CCNE2	ENSG00000175305	15784690;
D019259	decrease	CD83	ENSG00000112149	15784690;
D019259	decrease	CDKN1A	ENSG00000124762	15784690;
D019259	decrease	CDKN1B	ENSG00000111276	15784690;
D019259	decrease	CDKN1C	ENSG00000129757	15784690;
D019259	decrease	CDKN2C	ENSG00000123080	15784690;
D019259	decrease	DHFR	ENSG00000228716	15784690;
D019259	decrease	GAS1	ENSG00000180447	15784690;
D019259	decrease	RBL1	ENSG00000080839	15784690;
D019259	decrease	RBL2	ENSG00000103479	15784690;
D019259	decrease	TGFB1	ENSG00000105329	15309715;
D019259	decrease	TIMP1	ENSG00000102265	15309715;
D019259	decrease	TYMS	ENSG00000176890	15784690;
D019259	decrease	TYRP1	ENSG00000107165	15784690;
D019259	increase	ASNS	ENSG00000070669	15784690;
D019259	increase	ASS1	ENSG00000130707	15784690;

D019259	increase	ATF3	ENSG00000162772	15784690;
D019259	increase	CARS	ENSG00000110619	15784690;
D019259	increase	CASP5	ENSG00000137757	15784690;
D019259	increase	CCND1	ENSG00000110092	15784690;
D019259	increase	CD44	ENSG00000026508	15784690;
D019259	increase	CDK7	ENSG00000134058	15784690;
D019259	increase	COMT	ENSG00000093010	15784690;
D019259	increase	DDIT3	ENSG00000175197	15784690;
D019259	increase	EIF4EBP1	ENSG00000187840	15784690;
D019259	increase	FAM129A	ENSG00000135842	15784690;
D019259	increase	GARS	ENSG00000106105	15784690;
D019259	increase	HAX1	ENSG00000143575	15784690;
D019259	increase	IFNA2	ENSG00000188379	16476009;
D019259	increase	IL27RA	ENSG00000104998	15784690;
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D019259	increase	KLF4	ENSG00000136826	15784690;
D019259	increase	KRT7	ENSG00000135480	15784690;
D019259	increase	KYNU	ENSG00000115919	15784690;
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D019259	increase	MARS	ENSG00000166986	15784690;
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D019259	increase	OGT	ENSG00000147162	15784690;
D019259	increase	PCK2	ENSG00000100889	15784690;
D019259	increase	PSAT1	ENSG00000135069	15784690;
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D019259	increase	RIPK2	ENSG00000104312	15784690;
D019259	increase	SLC1A4	ENSG00000115902	15784690;
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D019259	increase	SLC31A1	ENSG00000136868	15784690;
D019259	increase	SLC3A2	ENSG00000168003	15784690;
D019259	increase	SLC6A4	ENSG00000108576	16476009;
D019259	increase	STC2	ENSG00000113739	15784690;
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D019259	increase	WARS	ENSG00000140105	15784690;
D019259	increase	YARS	ENSG00000134684	15784690;
D019271	decrease	MTR	ENSG00000116984	16598758;
D019284	affect	TP53	ENSG00000141510	17216584;
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D019284	decrease	CCND1	ENSG00000110092	17332266;
D019284	increase	ATF3	ENSG00000162772	17332266;
D019284	increase	ATF4	ENSG00000128272	16298333;
D019284	increase	BIRC3	ENSG00000023445	15339911;
D019284	increase	BRCA1	ENSG00000012048	16434996;
D019284	increase	BRCA2	ENSG00000139618	16434996;
D019284	increase	CALR	ENSG00000179218	17353921;
D019284	increase	CANX	ENSG00000127022	17353921;
D019284	increase	CASP3	ENSG00000164305	18178165;16382148;
D019284	increase	CCNG2	ENSG00000138764	17332266;
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D019284	increase	HSPA5	ENSG00000044574	19428936;16298333;17332
D019284	increase	LMAN1	ENSG00000074695	266;17353921;17416481;
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D019284	increase	TGM2	ENSG00000198959	17216584;
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D019287	decrease	FADS1	ENSG00000149485	15226459;
D019287	decrease	GADD45A	ENSG00000116717	15226459;
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D019287	decrease	IL24	ENSG00000162892	16330358;
D019287	decrease	IL6ST	ENSG00000134352	16606632;16330358;
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D019287	increase	ACADS	ENSG00000122971	15226459;
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D019287	increase	HSPA1L	ENSG00000204390	16330358;
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D019287	increase	MAL	ENSG00000172005	15226459;
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D019287	increase	MT1G	ENSG00000125144	15226459;16330358;
D019287	increase	MT1H	ENSG00000205358	15226459;
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D019287	increase	MT2A	ENSG00000125148	16460681;17018880;15226459;17409708;
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D019290	decrease	PPIA	ENSG00000196262	16939895;
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D019290	increase	CCT6A	ENSG00000146731	16939895;
D019290	increase	COMT	ENSG00000093010	16939895;
D019290	increase	KRT8	ENSG00000170421	16939895;
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D019290	increase	SF3A3	ENSG00000183431	16939895;
D019297	increase	APAF1	ENSG00000120868	17064354;
D019297	increase	SMN1	ENSG00000172062	17064354;
D019301	decrease	ABCG1	ENSG00000160179	16730733;
D019301	decrease	APOB	ENSG00000084674	17237316;
D019301	decrease	CRP	ENSG00000132693	17237316;
D019301	decrease	E2F1	ENSG00000101412	16027227;
D019301	decrease	EDN1	ENSG00000078401	16895544;
D019301	decrease	NOS3	ENSG00000164867	16895544;
D019301	decrease	SREBF1	ENSG00000072310	15949695;
D019304	decrease	MUC1	ENSG00000185499	11056131;
D019304	decrease	SELE	ENSG00000007908	11996209;
D019304	decrease	VCAM1	ENSG00000162692	11996209;
D019304	increase	ESR1	ENSG00000091831	11056131;
D019304	increase	ICAM1	ENSG00000090339	11996209;
D019304	increase	NOS3	ENSG00000164867	14742696;
D019307	increase	HRH2	ENSG00000113749	9187264;
D019307	increase	RARA	ENSG00000131759	8940178;
D019307	increase	TGFB1	ENSG00000105329	8940178;
D019308	decrease	BCL2	ENSG00000171791	15945276;
D019308	decrease	MT1E	ENSG00000169715	17658692;
D019308	decrease	MT1F	ENSG00000198417	17658692;
D019308	decrease	MT1H	ENSG00000205358	17658692;
D019308	decrease	MT1X	ENSG00000187193	17658692;
D019308	decrease	MT2A	ENSG00000125148	17658692;
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D019308	increase	EDN1	ENSG00000078401	16895544;
D019308	increase	HAL	ENSG00000084110	17658692;
D019308	increase	HAMP	ENSG00000105697	17658692;
D019308	increase	IGF2	ENSG00000167244	17658692;
D019308	increase	PSMC3IP	ENSG00000131470	17658692;
D019308	increase	SERPINE1	ENSG00000106366	17658692;
D019311	affect	CYP1B1	ENSG00000138061	10696073;
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D019311	increase	APP	ENSG00000142192	18001288;12556443;
D019311	increase	CD28	ENSG00000178562	11465111;
D019311	increase	CDKN1A	ENSG00000124762	15978937;
D019311	increase	CYP1A1	ENSG00000140465	10696073;15947024;
D019311	increase	CYP3A4	ENSG00000160868	17965521;
D019311	increase	F3	ENSG00000117525	15371228;
D019311	increase	HMOX1	ENSG00000100292	18048804;
D019311	increase	MMP9	ENSG00000100985	16251475;
D019311	increase	PSEN2	ENSG00000143801	12556443;
D019311	increase	WT1	ENSG00000184937	12914969;
D019319	affect	BCL2L1	ENSG00000171552	18348186;
D019319	affect	CYP1A1	ENSG00000140465	10696073;

D019319	affect	MCL1	ENSG00000143384	18348186;
D019319	decrease	ESR1	ENSG00000091831	15965230;
D019319	decrease	PGR	ENSG00000082175	15965230;
D019319	increase	CYP1B1	ENSG00000138061	10696073;
D019319	increase	FOS	ENSG00000170345	7963561;
D019319	increase	NFE2L2	ENSG00000116044	12446695;
D019324	decrease	AHR	ENSG00000106546	17553063;11752201;16705413;9407059;15860653;169
D019324	decrease	CYP2C18	ENSG00000108242	16985168;
D019324	decrease	CYP2C19	ENSG00000165841	16985168;
D019324	decrease	CYP2C9	ENSG00000138109	16985168;
D019324	decrease	CYP2W1	ENSG00000073067	16985168;
D019324	decrease	CYP3A4	ENSG00000160868	16985168;16837568;
D019324	decrease	CYP4B1	ENSG00000142973	16985168;
D019324	decrease	KRT10	ENSG00000186395	16985168;
D019324	decrease	LOR	ENSG00000203782	16985168;
D019324	increase	ABCC2	ENSG00000023839	16426233;
D019324	increase	AKR1A1	ENSG00000117448	9973208;
D019324	increase	CYP1A1	ENSG00000140465	15893423;10923861;9973208;15629189;15860653;16985168;18094037;12623754;10936227;14722322;10923861;15893423;12623754;15629189;15855724;1698516
D019324	increase	CYP1A2	ENSG00000140505	12623754;14990334;16985168;
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D019324	increase	NFE2L2	ENSG00000116044	18094037;
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D019327	increase	HMOX1	ENSG00000100292	16730829;17244614;
D019327	increase	HSPA1A	ENSG00000232804	16880289;
D019328	decrease	ARNT	ENSG00000143437	17171638;
D019328	increase	DDIT3	ENSG00000175197	17658243;
D019328	increase	HIF1A	ENSG00000100644	18227147;19683516;
D019328	increase	HMOX1	ENSG00000100292	15114628;
D019328	increase	SNCA	ENSG00000145335	17065238;
D019342	decrease	DNMT1	ENSG00000130816	17065238;
D019342	increase	GAD1	ENSG00000128683	17065238;
D019342	increase	RELN	ENSG00000189056	16624386;
D019343	decrease	BCL2	ENSG00000171791	16624386;
D019343	decrease	BCL2L1	ENSG00000171552	16624386;
D019343	increase	BAX	ENSG00000087088	16624386;
D019343	increase	CDKN1A	ENSG00000124762	18032417;
D019377	increase	HSD11B2	ENSG00000176387	16638750;
D019377	increase	VEGFA	ENSG00000112715	10202824;
D019380	decrease	CCR5	ENSG00000160791	10202824;
D019380	decrease	IFNG	ENSG00000111537	10202824;
D019380	decrease	IL13	ENSG00000169194	17992261;
D019422	decrease	SHBG	ENSG00000129214	15849716;
D019438	affect	UGT1A1	ENSG00000241635	17668557;
D019438	decrease	ADIPOQ	ENSG00000181092	16174765;
D019438	decrease	BCL2L1	ENSG00000171552	16174765;
D019438	decrease	BIRC5	ENSG00000089685	16174765;
D019438	decrease	CCND2	ENSG00000118971	16174765;
D019438	decrease	LEP	ENSG00000174697	17668557;

D019438	decrease	MYC	ENSG00000136997	16174765;
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D019438	increase	CCL3	ENSG00000006075	17668557;
D019438	increase	CYP1A2	ENSG00000140505	11918509;
D019438	increase	CYP2B6	ENSG00000197408	14977870;
D019438	increase	CYP2C19	ENSG00000165841	11918509;
D019438	increase	CYP2C9	ENSG00000138109	11918509;
D019438	increase	CYP3A4	ENSG00000160868	15286053;15523003;15860655;16837568;
D019438	increase	IL6	ENSG00000136244	15388451;17668557;
D019469	decrease	ADIPOQ	ENSG00000181092	17668557;
D019469	decrease	LEP	ENSG00000174697	17668557;
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D019469	increase	CCL3	ENSG00000006075	17668557;
D019469	increase	IL6	ENSG00000136244	17668557;
D019772	decrease	HIF1A	ENSG00000100644	15930297;
D019772	decrease	TOP2A	ENSG00000131747	16026610;
D019772	decrease	VEGFA	ENSG00000112715	15930297;
D019787	affect	IL6	ENSG00000136244	16305726;
D019787	decrease	ABCG1	ENSG00000160179	16730733;
D019787	decrease	EDN1	ENSG00000078401	16895544;
D019787	decrease	IL2	ENSG00000109471	16305726;
D019787	decrease	IL4	ENSG00000113520	16305726;
D019787	decrease	IL5	ENSG00000113525	16305726;
D019787	decrease	NOS3	ENSG00000164867	16895544;
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D019787	increase	IFNG	ENSG00000111537	16305726;
D019787	increase	IL10	ENSG00000136634	16305726;
D019787	increase	IL1B	ENSG00000125538	16305726;
D019800	decrease	ACOT2	ENSG00000119673	17547211;
D019800	decrease	BLCAP	ENSG00000166619	17547211;
D019800	decrease	CALU	ENSG00000128595	17547211;
D019800	decrease	CCNA2	ENSG00000145386	19293009;
D019800	decrease	DDX3X	ENSG00000215301	17547211;
D019800	decrease	FBXW2	ENSG00000119402	17547211;
D019800	decrease	MAN1A2	ENSG00000198162	17547211;
D019800	decrease	MCL1	ENSG00000143384	17547211;
D019800	decrease	MGAT2	ENSG00000168282	17547211;
D019800	decrease	MRPL49	ENSG00000149792	17547211;
D019800	decrease	MT1H	ENSG00000205358	17547211;
D019800	decrease	MT1X	ENSG00000187193	17547211;
D019800	decrease	NR0B2	ENSG00000131910	17547211;
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D019800	decrease	PNN	ENSG00000100941	17547211;
D019800	decrease	RAB9A	ENSG00000123595	17547211;
D019800	decrease	REPIN1	ENSG00000214022	17547211;
D019800	decrease	RRAGA	ENSG00000155876	17547211;
D019800	decrease	SCAND1	ENSG00000171222	17547211;
D019800	decrease	SFRS1	ENSG00000136450	17547211;
D019800	decrease	SFRS5	ENSG00000100650	17547211;
D019800	decrease	SS18L2	ENSG00000008324	17547211;
D019800	decrease	TAF7	ENSG00000178913	17547211;
D019800	decrease	TARDBP	ENSG00000120948	17547211;
D019800	decrease	TIMM17A	ENSG00000134375	17547211;

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D019800	increase	CHST3	ENSG00000122863	17547211;
D019800	increase	DAZAP1	ENSG00000071626	17547211;
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D019800	increase	ELL2	ENSG00000118985	17547211;
D019800	increase	ETS2	ENSG00000157557	17547211;
D019800	increase	FAS	ENSG00000026103	17547211;
D019800	increase	FOSL1	ENSG00000175592	17547211;
D019800	increase	GTF3C4	ENSG00000125484	17547211;
D019800	increase	HES1	ENSG00000114315	17547211;
D019800	increase	HMOX1	ENSG00000100292	17547211;
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D019800	increase	ING3	ENSG00000071243	17547211;
D019800	increase	KLF10	ENSG00000155090	17547211;
D019800	increase	KLF6	ENSG00000067082	17547211;
D019800	increase	KPNA4	ENSG00000186432	17547211;
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D019800	increase	MYC	ENSG00000136997	17547211;
D019800	increase	NFYA	ENSG00000001167	17547211;
D019800	increase	NQO1	ENSG00000181019	9029048;
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D019800	increase	PPM1D	ENSG00000170836	17547211;
D019800	increase	SIK1	ENSG00000142178	17547211;
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D019800	increase	TGIF1	ENSG00000177426	17547211;
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D019800	increase	TNFRSF21	ENSG00000146072	17547211;
D019800	increase	TRIB1	ENSG00000173334	17547211;
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D019800	increase	UGCG	ENSG00000148154	17547211;
D019800	increase	VRK2	ENSG00000028116	17547211;
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D019803	increase	TP53	ENSG00000141510	17555331;15993333;
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D019810	decrease	CIRBP	ENSG00000099622	15075239;
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D019810	decrease	RBM3	ENSG00000102317	15075239;
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D019810	increase	NOS3	ENSG00000164867	17045927;
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D019810	increase	TP53	ENSG00000141510	17045927;
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D019812	increase	TNFSF11	ENSG00000120659	15334457;
D019817	increase	NOS3	ENSG00000164867	15740983;
D019819	decrease	CCL17	ENSG00000102970	15679716;
D019819	decrease	IL4R	ENSG00000077238	15679716;
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D019819	increase	MT2A	ENSG00000125148	9973176;
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D019821	decrease	CD40	ENSG00000101017	16387846;
D019821	decrease	CD83	ENSG00000112149	16387846;
D019821	decrease	CD86	ENSG00000114013	16387846;
D019821	decrease	ENTPD1	ENSG00000138185	12067895;
D019821	decrease	F2	ENSG00000180210	12067895;
D019821	decrease	LHB	ENSG00000104826	17105841;
D019821	decrease	SERPINE1	ENSG00000106366	16375908;
D019821	decrease	VCAM1	ENSG00000162692	17105841;
D019821	increase	CRP	ENSG00000132693	17105841;
D019821	increase	CYP2B6	ENSG00000197408	15802384;
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D019821	increase	HMOX1	ENSG00000100292	16375908;
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D019821	increase	NOS2	ENSG00000007171	18463201;
D019821	increase	NOS3	ENSG00000164867	16375908;
D019821	increase	PON1	ENSG00000005421	14500290;16238680;15324535;15690306;
D019821	increase	THBD	ENSG00000178726	16375908;
D019821	increase	TLR2	ENSG00000137462	16387846;
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D019829	decrease	EGF	ENSG00000138798	19152342;
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D019829	decrease	VEGFA	ENSG00000112715	19152342;
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D019829	increase	AR	ENSG00000169083	19152342;
D019829	increase	CETP	ENSG00000087237	19667106;
D019829	increase	KLK3	ENSG00000142515	19152342;
D019829	increase	KRT18	ENSG00000111057	19152342;
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D019833	affect	CDCA5	ENSG00000146670	18847459;
D019833	affect	CENPE	ENSG00000138778	18847459;
D019833	affect	CIT	ENSG00000122966	18847459;
D019833	affect	GPER	ENSG00000164850	15090535;17088055;
D019833	affect	GTSE1	ENSG00000075218	18847459;
D019833	affect	KIF2C	ENSG00000142945	18847459;
D019833	affect	PTGES2	ENSG00000148334	15779068;
D019833	affect	SPAG5	ENSG00000076382	18847459;
D019833	affect	TTK	ENSG00000112742	18847459;
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D019833	decrease	ADAM15	ENSG00000143537	16705744;
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D019833	decrease	AKT2	ENSG00000105221	15257099;
D019833	decrease	ALDH1A3	ENSG00000184254	15378649;
D019833	decrease	ALDOB	ENSG00000136872	16705744;
D019833	decrease	ANGPT1	ENSG00000154188	16705744;
D019833	decrease	ANK1	ENSG00000029534	16705744;
D019833	decrease	ANKRD16	ENSG00000134461	18847459;
D019833	decrease	ANP32A	ENSG00000140350	18847459;
D019833	decrease	APLP2	ENSG00000084234	16705744;
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D019833	decrease	ARHGDI4	ENSG00000141522	15757668;15159206;
D019833	decrease	ATF3	ENSG00000162772	16474171;
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D019833	decrease	ATP6V0A2	ENSG00000185344	16963248;
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D019833	decrease	BAZ2A	ENSG00000076108	16705744;
D019833	decrease	BCL2	ENSG00000171791	15955619;15288519;
D019833	decrease	BTG1	ENSG00000133639	16474171;
D019833	decrease	BTG2	ENSG00000159388	16705744;
D019833	decrease	CAMK2N1	ENSG00000162545	16474171;
D019833	decrease	CAMKK2	ENSG00000110931	15378649;
D019833	decrease	CAPN1	ENSG00000014216	16705744;
D019833	decrease	CBX6	ENSG00000183741	16705744;
D019833	decrease	CCL4	ENSG00000129277	15256057;
D019833	decrease	CD44	ENSG00000026508	16912569;16705744;
D019833	decrease	CDC25B	ENSG00000101224	16865672;
D019833	decrease	CDC25C	ENSG00000158402	16865672;
D019833	decrease	CDK2AP2	ENSG00000167797	16474171;
D019833	decrease	CDKN2C	ENSG00000123080	16474171;
D019833	decrease	CDKN3	ENSG00000100526	16474171;
D019833	decrease	CEBPD	ENSG00000221869	16474171;
D019833	decrease	CHAF1A	ENSG00000167670	16705744;
D019833	decrease	CLDN4	ENSG00000189143	16474171;
D019833	decrease	CLPTM1	ENSG00000104853	16705744;
D019833	decrease	COL18A1	ENSG00000182871	16705744;
D019833	decrease	COMT	ENSG00000093010	18192686;18497090;
D019833	decrease	CRP	ENSG00000132693	15970291;16332659;
D019833	decrease	CXCL14	ENSG00000145824	15256057;
D019833	decrease	CYBA	ENSG00000051523	16705744;
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D019833	decrease	DBNDD2	ENSG00000244274	18847459;
D019833	decrease	DCT	ENSG00000080166	16705744;
D019833	decrease	DHCR24	ENSG00000116133	15378649;
D019833	decrease	DNAJC17	ENSG00000104129	18847459;
D019833	decrease	DNMT1	ENSG00000130816	16705744;19221000;
D019833	decrease	DNMT3B	ENSG00000088305	19221000;
D019833	decrease	DOCK3	ENSG00000088538	16963248;
D019833	decrease	DUSP4	ENSG00000120875	16865672;
D019833	decrease	E2F2	ENSG00000007968	18847459;
D019833	decrease	EDC4	ENSG00000038358	16705744;
D019833	decrease	EEF2	ENSG00000167658	16705744;

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D019833	decrease	ELOVL5	ENSG00000012660	15378649;
D019833	decrease	ENO2	ENSG00000111674	15159206;
D019833	decrease	ENO3	ENSG00000108515	15757668;
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D019833	decrease	ERLIN2	ENSG00000147475	16705744;
D019833	decrease	ESPN	ENSG00000187017	16963248;
D019833	decrease	ETS2	ENSG00000157557	16474171;
D019833	decrease	EXTL3	ENSG00000012232	16705744;
D019833	decrease	FANCC	ENSG00000158169	16705744;
D019833	decrease	FOXJ1	ENSG00000129654	16705744;
D019833	decrease	FOXO3	ENSG00000118689	18431742;
D019833	decrease	GADD45A	ENSG00000116717	16474171;
D019833	decrease	GBP1	ENSG00000117228	16705744;
D019833	decrease	GLUL	ENSG00000135821	16705744;
D019833	decrease	GNB2	ENSG00000172354	16705744;
D019833	decrease	GPRC5A	ENSG00000013588	16474171;
D019833	decrease	GRB2	ENSG00000177885	16705744;
D019833	decrease	GSR	ENSG00000104687	16705744;
D019833	decrease	GSS	ENSG00000100983	16705744;
D019833	decrease	GTF2F1	ENSG00000125651	16705744;
D019833	decrease	HCST	ENSG00000126264	18847459;
D019833	decrease	HIST1H2AC	ENSG00000180573	16474171;
D019833	decrease	HIST2H2BE	ENSG00000184678	16474171;
D019833	decrease	HM13	ENSG00000101294	16705744;
D019833	decrease	HMGN2	ENSG00000198830	18847459;
D019833	decrease	HOMER2	ENSG00000103942	15378649;
D019833	decrease	HYI	ENSG00000178922	16705744;
D019833	decrease	ID3	ENSG00000117318	16474171;
D019833	decrease	IGF1R	ENSG00000140443	16865672;
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D019833	decrease	ILF3	ENSG00000129351	18847459;
D019833	decrease	INPP4B	ENSG00000109452	15378649;
D019833	decrease	IQGAP2	ENSG00000145703	15378649;
D019833	decrease	JUP	ENSG00000173801	16474171;16705744;
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D019833	decrease	KLK2	ENSG00000167751	15378649;
D019833	decrease	KRAS	ENSG00000133703	15256057;16474171;
D019833	decrease	KRT34	ENSG00000131737	16705744;
D019833	decrease	KRT8	ENSG00000170421	16705744;
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D019833	decrease	MAF	ENSG00000178573	15378649;
D019833	decrease	MAP2K3	ENSG00000034152	16705744;
D019833	decrease	MAP4	ENSG00000047849	16705744;

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D019833	decrease	MLKL	ENSG00000168404	18847459;
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D019833	decrease	MMP15	ENSG00000102996	15754008;
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D019833	decrease	MVD	ENSG00000167508	16705744;
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D019833	decrease	MYH6	ENSG00000197616	16474171;
D019833	decrease	NAP1L4	ENSG00000205531	16705744;
D019833	decrease	NAPA	ENSG00000105402	16705744;
D019833	decrease	NCOA3	ENSG00000124151	16474171;
D019833	decrease	NDUFB1	ENSG00000183648	18847459;
D019833	decrease	NEDD9	ENSG00000111859	16474171;
D019833	decrease	NELL2	ENSG00000184613	15257099;
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D019833	decrease	NIPAL4	ENSG00000172548	16705744;
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D019833	decrease	NMT1	ENSG00000136448	16705744;
D019833	decrease	NPIP	ENSG00000183426	16705744;
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D019833	decrease	NR4A1	ENSG00000123358	16705744;
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D019833	decrease	PLEC	ENSG00000178209	16705744;
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D019833	decrease	PMEPA1	ENSG00000124225	15378649;16474171;
D019833	decrease	POLD4	ENSG00000175482	16474171;
D019833	decrease	POU4F2	ENSG00000151615	16963248;
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D019833	decrease	PPAP2C	ENSG00000141934	16474171;
D019833	decrease	PRCC	ENSG00000143294	16705744;
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D019833	decrease	PWP2	ENSG00000241945	16705744;
D019833	decrease	RAB11B	ENSG00000185236	16705744;
D019833	decrease	RANGAP1	ENSG00000100401	16705744;
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D019833	decrease	RRAD	ENSG00000166592	15257099;
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D019833	decrease	SFRP4	ENSG00000106483	15256057;
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D019833	decrease	SLC7A11	ENSG00000151012	16474171;
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D019833	decrease	SMG1	ENSG00000157106	16705744;
D019833	decrease	SNRPA	ENSG00000077312	16705744;
D019833	decrease	SORD	ENSG00000140263	15378649;
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D019833	decrease	SOX4	ENSG00000124766	16474171;
D019833	decrease	SPATA2L	ENSG00000158792	16705744;
D019833	decrease	SPDEF	ENSG00000124664	15378649;
D019833	decrease	SPIN1	ENSG00000106723	16705744;
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D019833	decrease	SURF4	ENSG00000148248	16705744;
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D019833	decrease	TFPI	ENSG00000003436	18847459;
D019833	decrease	TGFB2	ENSG00000092969	16474171;
D019833	decrease	TIMP1	ENSG00000102265	15754008;
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D019833	decrease	TKT	ENSG00000163931	16705744;
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D019833	decrease	TNFRSF12A	ENSG00000006327	16705744;
D019833	decrease	TP53	ENSG00000141510	18431742;
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D019833	decrease	TRIM16	ENSG00000221926	16474171;
D019833	decrease	TUBB	ENSG00000229684	16705744;
D019833	decrease	TULP3	ENSG00000078246	16705744;
D019833	decrease	TXLNA	ENSG00000084652	16705744;
D019833	decrease	UAP1	ENSG00000117143	15378649;
D019833	decrease	UBAP2L	ENSG00000143569	16705744;
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D019833	decrease	USP20	ENSG00000136878	16705744;
D019833	decrease	VEGFA	ENSG00000112715	18252963;19005980;
D019833	decrease	WDR4	ENSG00000160193	18847459;
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D019833	increase	ABI1	ENSG00000136754	15256057;
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D019833	increase	ADAMTS7	ENSG00000136378	18847459;
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D019833	increase	ALDH3A2	ENSG00000072210	18847459;
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D019833	increase	APOBEC3B	ENSG00000179750	16474171;
D019833	increase	AREG	ENSG00000205595	16474171;
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D019833	increase	DNAJC21	ENSG00000168724	18847459;
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D019833	increase	ECT2	ENSG00000114346	16474171;
D019833	increase	EGR1	ENSG00000120738	15257099;
D019833	increase	EGR3	ENSG00000179388	15159206;
D019833	increase	EMP2	ENSG00000213853	16474171;
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D019833	increase	ERCC8	ENSG00000049167	16705744;

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D019833	increase	FZD3	ENSG00000104290	18847459;
D019833	increase	GAA	ENSG00000171298	16705744;
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D019833	increase	GNG7	ENSG00000176533	18847459;
D019833	increase	GREB1	ENSG00000196208	16474171;
D019833	increase	GZMA	ENSG00000145649	15256057;
D019833	increase	H2AFX	ENSG00000188486	16474171;
D019833	increase	H2AFZ	ENSG00000164032	16474171;
D019833	increase	HADH	ENSG00000138796	16474171;
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D019833	increase	HIST3H3	ENSG00000168148	18431742;19221000;
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D019833	increase	IFRD2	ENSG00000214706	16963248;
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D019833	increase	IGFBP4	ENSG00000141753	15757668;16474171;
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D019833	increase	KIF20A	ENSG00000112984	16474171;
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D019833	increase	MYB	ENSG00000118513	16474171;
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D019833	increase	MYC	ENSG00000136997	16474171;17266178;
D019833	increase	MYLIP	ENSG00000007944	18847459;
D019833	increase	NCAPD2	ENSG00000010292	16474171;
D019833	increase	NCAPG	ENSG00000109805	18847459;16474171;
D019833	increase	NDC80	ENSG00000080986	16474171;
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D019833	increase	PCNA	ENSG00000132646	16149052;16474171;
D019833	increase	PCP4	ENSG00000183036	16474171;
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D019833	increase	PDLIM2	ENSG00000120913	16963248;
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D019833	increase	RAD51C	ENSG00000108384	16474171;
D019833	increase	RAD51	ENSG00000051180	16474171;
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D019833	increase	RPS6KA3	ENSG00000177189	15757668;
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D019833	increase	SLC7A5	ENSG00000103257	15757668;
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D019833	increase	SMC4	ENSG00000113810	16474171;

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D019833	increase	SULF2	ENSG00000196562	18847459;
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D019833	increase	TNF	ENSG00000223952	12547825;15779068;
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D019833	increase	TOP2A	ENSG00000131747	16474171;
D019833	increase	TP53INP1	ENSG00000164938	18847459;
D019833	increase	TP63	ENSG00000073282	15256057;
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D019833	increase	TPM3	ENSG00000143549	16474171;
D019833	increase	TRIP13	ENSG00000071539	16474171;
D019833	increase	TSC22D1	ENSG00000102804	18847459;
D019833	increase	TUBB6	ENSG00000176014	16474171;
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D019833	increase	WARS	ENSG00000140105	15757668;15159206;
D019833	increase	ZC3H10	ENSG00000135482	18847459;
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D019888	decrease	LEP	ENSG00000174697	17668557;
D019888	increase	CCL2	ENSG00000108691	17668557;
D019888	increase	CCL3	ENSG00000006075	17668557;
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D019888	increase	IL6	ENSG00000136244	15388451;17668557;
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D020001	increase	IGFBP1	ENSG00000146678	17065600;
D020001	increase	IL1B	ENSG00000125538	11854442;
D020001	increase	IL2	ENSG00000109471	18423386;
D020001	increase	IL8	ENSG00000169429	12039947;
D020001	increase	PRL	ENSG00000172179	17065600;
D020001	increase	PTGS2	ENSG00000073756	11854442;17640750;15210717;
D020002	increase	IL2	ENSG00000109471	18423386;
D020030	decrease	CD86	ENSG00000114013	13678430;
D020030	decrease	IL12B	ENSG00000113302	13678430;
D020058	affect	JUN	ENSG00000177606	15212811;
D020058	affect	TGFB2	ENSG00000092969	16705669;
D020058	affect	TGFBR3	ENSG00000069702	16705669;
D020058	decrease	BAX	ENSG00000087088	15212811;
D020058	decrease	CCR1	ENSG00000163823	15212811;
D020058	decrease	LCP2	ENSG00000043462	15212811;
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D020058	increase	CCL2	ENSG00000108691	15212811;17993253;
D020058	increase	FOS	ENSG00000170345	15212811;
D020058	increase	HSPA1A	ENSG00000232804	16705669;
D020058	increase	IL8	ENSG00000169429	17993253;
D020058	increase	RAF1	ENSG00000132155	15212811;
D020106	affect	CYP2E1	ENSG00000130649	17267090;
D020111	affect	ATF5	ENSG00000169136	17851650;
D020111	affect	HTRA1	ENSG00000166033	17851650;
D020111	affect	UGT2B17	ENSG00000197888	17851650;
D020111	decrease	AFF4	ENSG00000072364	16934159;
D020111	decrease	ANAPC11	ENSG00000141552	16934159;
D020111	decrease	BTG1	ENSG00000133639	16934159;
D020111	decrease	CARD10	ENSG00000100065	16934159;
D020111	decrease	CDC25A	ENSG00000164045	16934159;
D020111	decrease	CDC26	ENSG00000176386	16934159;
D020111	decrease	CDK3	ENSG00000250506	16934159;
D020111	decrease	CENPF	ENSG00000117724	16934159;
D020111	decrease	CGRRF1	ENSG00000100532	16934159;
D020111	decrease	CIDEB	ENSG00000136305	16934159;
D020111	decrease	CNOT2	ENSG00000111596	16934159;
D020111	decrease	CYP2E1	ENSG00000130649	17851650;
D020111	decrease	CYP4A11	ENSG00000187048	17851650;
D020111	decrease	EAF2	ENSG00000145088	16934159;
D020111	decrease	EMP3	ENSG00000142227	16934159;
D020111	decrease	HBP1	ENSG00000105856	16934159;
D020111	decrease	HCFC1	ENSG00000172534	16934159;
D020111	decrease	ID2	ENSG00000115738	16934159;
D020111	decrease	IL18	ENSG00000150782	17851650;
D020111	decrease	IL8	ENSG00000169429	17851650;
D020111	decrease	IRF7	ENSG00000185507	16934159;
D020111	decrease	LGALS1	ENSG00000100097	16934159;
D020111	decrease	MAD2L1	ENSG00000164109	16934159;
D020111	decrease	MBD1	ENSG00000141644	16934159;
D020111	decrease	MLLT6	ENSG00000108292	16934159;

D020111	decrease	MTCP1	ENSG00000214827	16934159;
D020111	decrease	NEDD9	ENSG00000111859	16934159;
D020111	decrease	NIN	ENSG00000100503	16934159;
D020111	decrease	NPAS2	ENSG00000170485	16934159;
D020111	decrease	NTRK1	ENSG00000198400	16934159;
D020111	decrease	PAX6	ENSG00000007372	16934159;
D020111	decrease	PBX1	ENSG00000185630	16934159;
D020111	decrease	PCGF2	ENSG00000056661	16934159;
D020111	decrease	PML	ENSG00000140464	16934159;
D020111	decrease	RBAK	ENSG00000146587	16934159;
D020111	decrease	RBBP6	ENSG00000122257	16934159;
D020111	decrease	REST	ENSG00000084093	16934159;
D020111	decrease	RFXANK	ENSG00000064490	16934159;
D020111	decrease	RUNX1T1	ENSG00000079102	16934159;
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D020111	decrease	SMAD4	ENSG00000141646	16934159;
D020111	decrease	SON	ENSG00000159140	16934159;
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D020111	decrease	TAF2	ENSG00000064313	16934159;
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D020111	decrease	TNFSF12	ENSG00000239697	16934159;
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D020111	increase	ANAPC5	ENSG00000089053	16934159;
D020111	increase	ATF3	ENSG00000162772	16934159;
D020111	increase	BANP	ENSG00000172530	16934159;
D020111	increase	BMF	ENSG00000104081	16934159;
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D020111	increase	CREB3	ENSG00000107175	16934159;
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D020111	increase	CYP1A2	ENSG00000140505	16934159;17851650;16049271;
D020111	increase	CYP1B1	ENSG00000138061	17851650;
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D020111	increase	CYP2B6	ENSG00000197408	17851650;
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D020111	increase	CYP3A5	ENSG00000106258	17851650;
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D020111	increase	GAPDH	ENSG00000111640	17851650;
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D020111	increase	GSTA2	ENSG00000244067	17851650;
D020111	increase	GSTA3	ENSG00000174156	17851650;
D020111	increase	HEY1	ENSG00000164683	16934159;
D020111	increase	HOXB6	ENSG00000108511	16934159;
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D020111	increase	JUN	ENSG00000177606	16934159;
D020111	increase	KLF12	ENSG00000118922	16934159;
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D020111	increase	LIMS1	ENSG00000169756	16934159;
D020111	increase	MCRS1	ENSG00000187778	16934159;
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D020111	increase	NAT1	ENSG00000171428	17851650;
D020111	increase	NEK6	ENSG00000119408	16934159;
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D020111	increase	NFE2L2	ENSG00000116044	17851650;
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D020111	increase	UGT1A3	ENSG00000243135	17851650;
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D020122	decrease	ATR	ENSG00000175054	12419474;
D020122	decrease	ATXN1	ENSG00000124788	12893416;15336504;
D020122	decrease	AURKB	ENSG00000178999	12414654;
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D020122	decrease	BAK1	ENSG00000030110	12419474;
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D020122	decrease	BAZ1B	ENSG00000009954	15336504;
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D020122	decrease	BMP4	ENSG00000125378	12419474;
D020122	decrease	BNIP3	ENSG00000176171	12419474;
D020122	decrease	BRAF	ENSG00000157764	12419474;
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D020122	decrease	BTN3A3	ENSG00000111801	15336504;
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D020122	decrease	C13ORF34	ENSG00000136122	15336504;
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D020122	decrease	C17ORF62	ENSG00000178927	15336504;
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D020122	decrease	C1ORF115	ENSG00000162817	15336504;
D020122	decrease	C1R	ENSG00000159403	15336504;
D020122	decrease	C20ORF111	ENSG00000132823	15336504;
D020122	decrease	C21ORF33	ENSG00000160221	15336504;
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D020122	decrease	CALU	ENSG00000128595	15336504;
D020122	decrease	CAND1	ENSG00000111530	15336504;
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D020122	decrease	CARS2	ENSG00000134905	15336504;
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D020122	decrease	CBS	ENSG00000160200	15336504;
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D020122	decrease	CD320	ENSG00000167775	15336504;
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D020122	decrease	CD47	ENSG00000196776	12419474;
D020122	decrease	CD99	ENSG00000002586	15336504;
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D020122	decrease	COMT	ENSG00000093010	12419474;
D020122	decrease	COPA	ENSG00000122218	15336504;
D020122	decrease	COPE	ENSG00000105669	15336504;
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D020122	decrease	ELAVL1	ENSG00000066044	15336504;
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D020122	decrease	EPHB4	ENSG00000196411	15336504;
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D020122	decrease	ERCC5	ENSG00000134899	12419474;
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D020122	decrease	FKBP8	ENSG00000105701	15336504;
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D020122	decrease	HBP1	ENSG00000105856	15336504;
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D020122	decrease	HEG1	ENSG00000173706	15336504;
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D020122	decrease	HSPB2	ENSG00000170276	15336504;
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D020122	decrease	IER2	ENSG00000160888	15336504;
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D020122	decrease	PPP1R3C	ENSG00000119938	15336504;
D020122	decrease	PPP1R7	ENSG00000115685	15336504;
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D020122	decrease	PRUNE	ENSG00000143363	15336504;
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D020122	decrease	PTMA	ENSG00000187514	12419474;
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D020122	decrease	RCN3	ENSG00000142552	15336504;
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D020148	increase	TLR1	ENSG00000174125	15196572;
D020148	increase	TLR6	ENSG00000174130	15196572;
D020148	increase	TNF	ENSG00000223952	17928716;
D020160	increase	MSR1	ENSG00000038945	9614211;
D020160	increase	TP53	ENSG00000141510	16357363;
D020280	decrease	PTGS2	ENSG00000073756	17499975;
D020280	decrease	SLC2A3	ENSG00000059804	17567588;15342952;

D020280	decrease	STAT3	ENSG00000168610	17499975;
D020280	decrease	TAGLN	ENSG00000149591	15342952;
D020280	increase	ASAH1	ENSG00000104763	15342952;
D020280	increase	ASNS	ENSG00000070669	17567588;15342952;
D020280	increase	C10ORF10	ENSG00000165507	17567588;15342952;
D020280	increase	DNAJC5	ENSG00000101152	11257428;
D020280	increase	FABP1	ENSG00000163586	17567588;15342952;
D020280	increase	FNDC4	ENSG00000115226	17567588;15342952;
D020280	increase	GDPD3	ENSG00000102886	17567588;15342952;
D020280	increase	HPN	ENSG00000105707	15342952;
D020280	increase	INHBE	ENSG00000139269	17567588;15342952;
D020280	increase	LSS	ENSG00000160285	17567588;15342952;
D020280	increase	NR0B2	ENSG00000131910	15342952;
D020280	increase	NUPR1	ENSG00000176046	17567588;15342952;
D020280	increase	PHYH	ENSG00000107537	15342952;
D020280	increase	SERPINA3	ENSG00000196136	17567588;15342952;
D020280	increase	SLC6A4	ENSG00000108576	18452396;16580768;12955294;17042913;
D020280	increase	WIP1	ENSG00000070540	17567588;15342952;
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D020355	increase	ABCB11	ENSG00000073734	14684751;
D020355	increase	NR1H4	ENSG00000012504	14684751;
D020845	increase	DHCR24	ENSG00000116133	15585566;
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D020849	affect	ABCG1	ENSG00000160179	14699072;
D020849	affect	ABHD5	ENSG00000011198	14699072;
D020849	affect	ABLIM3	ENSG00000173210	14699072;
D020849	affect	ADAMTSL3	ENSG00000156218	14699072;
D020849	affect	AHCYL1	ENSG00000168710	14699072;
D020849	affect	AKAP1	ENSG00000121057	14699072;
D020849	affect	AMOTL2	ENSG00000114019	14699072;
D020849	affect	ANGPTL2	ENSG00000136859	14699072;
D020849	affect	AP1G1	ENSG00000166747	14699072;
D020849	affect	ARHGAP29	ENSG00000137962	14699072;
D020849	affect	ARID5B	ENSG00000150347	14699072;
D020849	affect	ARL4C	ENSG00000188042	14699072;
D020849	affect	ATP9A	ENSG00000054793	14699072;
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D020849	affect	BAX	ENSG00000087088	16009171;
D020849	affect	BMP7	ENSG00000101144	14699072;
D020849	affect	C2CD2	ENSG00000157617	14699072;
D020849	affect	C5ORF13	ENSG00000134986	14699072;
D020849	affect	CA12	ENSG00000074410	14699072;
D020849	affect	CAPN2	ENSG00000162909	14699072;
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D020849	affect	CASP7	ENSG00000165806	14699072;
D020849	affect	CAV1	ENSG00000105974	14699072;
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D020849	affect	CCL2	ENSG00000108691	14699072;17006379;
D020849	affect	CCND1	ENSG00000110092	14699072;
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D020849	affect	CHRD	ENSG00000090539	14699072;
D020849	affect	CLTB	ENSG00000175416	14699072;

D020849	affect	CXADR	ENSG00000154639	14699072;
D020849	affect	CXCR7	ENSG00000144476	14699072;
D020849	affect	DAXX	ENSG00000231617	14699072;
D020849	affect	DDIT4	ENSG00000168209	14699072;
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D020849	affect	DYNC1LI2	ENSG00000135720	14699072;
D020849	affect	EDN3	ENSG00000124205	14699072;
D020849	affect	EFEMP1	ENSG00000115380	14699072;
D020849	affect	EIF2C2	ENSG00000123908	14699072;
D020849	affect	EMP1	ENSG00000134531	14699072;
D020849	affect	ENC1	ENSG00000171617	14699072;
D020849	affect	ENO2	ENSG00000111674	14699072;
D020849	affect	ENPP2	ENSG00000136960	14699072;
D020849	affect	EPOR	ENSG00000187266	14699072;
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D020849	affect	ESR2	ENSG00000140009	14699072;16798746;17638070;15950373;17872375;17654759;17962382;
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D020849	affect	FHL2	ENSG00000115641	14699072;15666801;
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D020849	affect	FOXO1	ENSG00000150907	14699072;
D020849	affect	FST	ENSG00000134363	14699072;
D020849	affect	FZD6	ENSG00000164930	14699072;
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D020849	affect	GLRB	ENSG00000109738	14699072;
D020849	affect	GLRX	ENSG00000173221	14699072;
D020849	affect	GLYAT	ENSG00000149124	14699072;
D020849	affect	GPC1	ENSG00000063660	14699072;
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D020849	affect	GRK5	ENSG00000198873	14699072;
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D020849	affect	HIST1H2AL	ENSG00000233224	14699072;
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D020849	affect	HTR2A	ENSG00000102468	14699072;
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D020849	affect	IL4R	ENSG00000077238	14699072;
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D020849	affect	METTL7A	ENSG00000185432	14699072;
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D020849	decrease	EIF5	ENSG00000100664	16514628;
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D020849	decrease	GOLGA5	ENSG00000066455	16514628;
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D020849	increase	BCL2	ENSG00000171791	16009171;16566921;17220163;16973256;
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D020849	increase	CALB2	ENSG00000172137	17962382;
D020849	increase	CCNA2	ENSG00000145386	17445807;
D020849	increase	CCNB1	ENSG00000134057	17445807;
D020849	increase	CCNG2	ENSG00000138764	16497877;
D020849	increase	CDKN1A	ENSG00000124762	16497877;
D020849	increase	CDKN1B	ENSG00000111276	16536755;
D020849	increase	CEBPB	ENSG00000172216	14699072;16497877;
D020849	increase	CLCN6	ENSG00000011021	16497877;
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D020849	increase	CLU	ENSG00000120885	16202921;
D020849	increase	CTSH	ENSG00000103811	16514628;
D020849	increase	CYP27B1	ENSG00000111012	15795327;
D020849	increase	DAG1	ENSG00000173402	16497877;
D020849	increase	DMBT1	ENSG00000187908	15564322;
D020849	increase	DNAJB1	ENSG00000132002	16497877;
D020849	increase	DNAJB4	ENSG00000162616	16497877;
D020849	increase	DNAJB9	ENSG00000128590	16497877;
D020849	increase	E2F2	ENSG00000007968	16497877;
D020849	increase	ELF3	ENSG00000163435	16202921;
D020849	increase	ELL	ENSG00000105656	15849065;
D020849	increase	EMID2	ENSG00000160963	17962382;
D020849	increase	F8	ENSG00000185010	16359964;15850603;
D020849	increase	HBP1	ENSG00000105856	16497877;
D020849	increase	HERPUD1	ENSG00000051108	16497877;
D020849	increase	IGF1	ENSG00000017427	17872375;16912660;15978972;17645796;15762036;
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D020849	increase	IL10RA	ENSG00000110324	16497877;
D020849	increase	INSIG1	ENSG00000186480	16497877;
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D020849	increase	KLRC3	ENSG00000205810	17395694;
D020849	increase	LDLR	ENSG00000130164	16497877;
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D020849	increase	NCOA2	ENSG00000140396	17872375;16739346;
D020849	increase	NFE2L1	ENSG00000082641	16497877;
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D020849	increase	NRG2	ENSG00000158458	15849065;
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D020849	increase	PDCD5	ENSG00000105185	16202921;
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D020849	increase	PMS2	ENSG00000122512	16202921;
D020849	increase	POLM	ENSG00000122678	16497877;
D020849	increase	PPP1R10	ENSG00000235291	16497877;
D020849	increase	PPP1R15A	ENSG00000087074	16497877;
D020849	increase	PTGS2	ENSG00000073756	16127422;17872375;
D020849	increase	PTPN13	ENSG00000163629	15876410;
D020849	increase	PYY	ENSG00000131096	16202921;
D020849	increase	RBM10	ENSG00000182872	16497877;
D020849	increase	ROM1	ENSG00000149489	17962382;
D020849	increase	RXRΒ	ENSG00000235712	16497877;
D020849	increase	SERPINΒ2	ENSG00000197632	16202921;16298037;

D020849	increase	SERPINB9	ENSG00000170542	14617632;17237823;
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D020849	increase	SHBG	ENSG00000129214	16912660;16775175;
D020849	increase	SLC38A2	ENSG00000134294	16497877;
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D020849	increase	SPATA13	ENSG00000182957	17962382;
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D020849	increase	STX1A	ENSG00000106089	15849065;
D020849	increase	TBX2	ENSG00000121068	16202921;
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D020849	increase	TERT	ENSG00000164362	16798746;
D020849	increase	THBS1	ENSG00000137801	17010073;
D020849	increase	TIMP1	ENSG00000102265	16202921;
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D020849	increase	TNFSF15	ENSG00000181634	16202921;
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D020889	increase	PDE4B	ENSG00000184588	10763856;
D020889	increase	SELE	ENSG00000007908	8780174;
D020889	increase	TNF	ENSG00000223952	8780174;
D020910	decrease	EPAS1	ENSG00000116016	12912967;
D020910	decrease	HIF1A	ENSG00000100644	12912967;
D020910	decrease	PTGS1	ENSG00000095303	17175104;
D020910	increase	PTGS2	ENSG00000073756	17175104;
D020927	increase	CYP1A1	ENSG00000140465	15627480;
D020959	increase	LITAF	ENSG00000189067	17408380;
D020959	increase	TNF	ENSG00000223952	17408380;
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D022562	increase	TNF	ENSG00000223952	12045164;
D022621	affect	ADRB2	ENSG00000169252	11675405;
D022621	increase	IL8	ENSG00000169429	16819191;
D022621	increase	MAPK1	ENSG00000100030	11675405;
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D022621	increase	TNF	ENSG00000223952	11675405;16819191;
D022622	increase	IL8	ENSG00000169429	18599499;
D022681	increase	IL13	ENSG00000169194	16299307;
D022681	increase	IL5	ENSG00000113525	16299307;
D022681	increase	IL6	ENSG00000136244	16299307;
D024483	decrease	ADCY3	ENSG00000138031	12414654;
D024483	decrease	AURKB	ENSG00000178999	12414654;
D024483	decrease	CCNA2	ENSG00000145386	12414654;
D024483	decrease	CENPA	ENSG00000115163	12414654;
D024483	decrease	CHEK1	ENSG00000149554	12414654;
D024483	decrease	EPO	ENSG00000130427	7980410;
D024483	decrease	FEN1	ENSG00000168496	12414654;
D024483	decrease	FOXN1	ENSG00000111206	12414654;
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D024483	decrease	LBR	ENSG00000143815	12414654;
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D024483	decrease	POLE2	ENSG00000100479	12414654;
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D024483	decrease	TMPO	ENSG00000120802	12414654;
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D024483	decrease	UBE2C	ENSG00000175063	12414654;
D024483	decrease	UNG	ENSG00000076248	12414654;
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D024483	increase	AREG	ENSG00000205595	12414654;
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D024483	increase	BTG2	ENSG00000159388	12414654;
D024483	increase	CDKN1A	ENSG00000124762	12414654;
D024483	increase	CTAGE5	ENSG00000150527	12414654;
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D024483	increase	CYR61	ENSG00000142871	12414654;
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D024483	increase	DDX42	ENSG00000198231	12414654;
D024483	increase	DKK1	ENSG00000107984	12414654;
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D024483	increase	JUN	ENSG00000177606	12414654;
D024483	increase	LDLR	ENSG00000130164	12414654;
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D024483	increase	LRP6	ENSG00000070018	12414654;
D024483	increase	MAFG	ENSG00000197063	12414654;
D024483	increase	ME1	ENSG00000065833	12414654;
D024483	increase	MT1G	ENSG00000125144	12414654;
D024483	increase	MT1H	ENSG00000205358	12414654;
D024483	increase	MT1X	ENSG00000187193	12414654;
D024483	increase	MT2A	ENSG00000125148	12414654;
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D024483	increase	PPP2CB	ENSG00000104695	12414654;
D024483	increase	PSMD12	ENSG00000197170	12414654;
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D024483	increase	SERPINB5	ENSG00000206075	12414654;
D024483	increase	SLAMF1	ENSG00000117090	12414654;
D024483	increase	SLC7A11	ENSG00000151012	12414654;
D024483	increase	TOM1	ENSG00000100284	12414654;
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D024502	increase	BACE1	ENSG00000186318	19196431;
D024502	increase	CRABP2	ENSG00000143320	15225641;
D024502	increase	MBP	ENSG00000197971	14645110;
D024502	increase	PGK1	ENSG00000102144	18603805;
D024502	increase	TP53	ENSG00000141510	12126965;
D024504	increase	CRABP2	ENSG00000143320	15225641;
D024505	decrease	AR	ENSG00000169083	12032296;16302272;
D024505	decrease	CCND1	ENSG00000110092	12504091;
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D024505	decrease	CDK2	ENSG00000123374	12504091;
D024505	decrease	CDK4	ENSG00000135446	12504091;
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D024505	decrease	FGFR1	ENSG00000249195	15144885;
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D024505	increase	KLK3	ENSG00000142515	12032296;16302272;
D024505	increase	VDR	ENSG00000111424	12032296;
D025101	affect	IL6R	ENSG00000160712	16690736;
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D025101	decrease	CRP	ENSG00000132693	16690736;17237316;16517955;
D026023	decrease	AR	ENSG00000169083	17980950;16621434;16857237;
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D026023	increase	PGR	ENSG00000082175	16326432;11137321;
D026023	increase	TFF1	ENSG00000160182	10064545;12396874;
D026023	increase	WNT10B	ENSG00000169884	12437293;
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D026423	increase	TP53	ENSG00000141510	16351512;
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D030421	increase	BNIP3	ENSG00000176171	16002567;
D030421	increase	IL8	ENSG00000169429	14572605;
D034261	decrease	BCL2L1	ENSG00000171552	12517783;
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D034261	decrease	MCL1	ENSG00000143384	12517783;

D034261	decrease	XIAP	ENSG00000101966	12517783;
D037342	affect	HRH2	ENSG00000113749	12235264;
D037342	decrease	C5	ENSG00000106804	16116186;
D037342	decrease	IL12A	ENSG00000168811	16116186;
D037342	decrease	IL12B	ENSG00000113302	16116186;
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D037342	increase	FOS	ENSG00000170345	15090535;
D037342	increase	HRH4	ENSG00000134489	12235264;
D037342	increase	IL16	ENSG00000172349	12235264;
D037342	increase	IL1B	ENSG00000125538	17191021;
D037342	increase	IL8	ENSG00000169429	12039947;
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D037742	decrease	CACNA2D3	ENSG00000157445	15585362;
D037742	decrease	CCNA1	ENSG00000133101	15585362;
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D037742	increase	APAF1	ENSG00000120868	15585362;
D037742	increase	ATM	ENSG00000149311	17450800;
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D037742	increase	CCNG2	ENSG00000138764	15585362;

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D037742	increase	CDC37	ENSG00000105401	15585362;
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D037742	increase	CNNM2	ENSG00000148842	15585362;
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D037742	increase	TNFAIP2	ENSG00000185215	15585362;
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D039741	increase	TNF	ENSG00000223952	9856837;
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D043371	decrease	CD84	ENSG00000066294	16823509;
D043371	decrease	EBI3	ENSG00000105246	16823509;
D043371	decrease	GARS	ENSG00000106105	16823509;
D043371	decrease	PHKG1	ENSG00000164776	16823509;
D043371	decrease	PUF60	ENSG00000179950	16823509;
D043371	decrease	SLC1A6	ENSG00000105143	16823509;
D043371	decrease	SLC26A4	ENSG00000091137	16823509;
D043371	decrease	TROVE2	ENSG00000116747	16823509;
D043371	decrease	URB1	ENSG00000142207	16823509;
D043371	increase	ATP8A1	ENSG00000124406	16823509;
D043371	increase	CPB2	ENSG00000080618	16823509;
D043371	increase	DGKE	ENSG00000153933	16823509;
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D043371	increase	GJC1	ENSG00000182963	16823509;
D043371	increase	HS3ST1	ENSG00000002587	16823509;
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D043371	increase	ITGB4	ENSG00000132470	16823509;
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D043371	increase	MSLN	ENSG00000102854	16823509;
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D043371	increase	SDC4	ENSG00000124145	16823509;
D043371	increase	SOAT1	ENSG00000057252	16823509;
D043371	increase	VTI1B	ENSG00000100568	16823509;
D043582	increase	ESR1	ENSG00000091831	17683929;
D044243	decrease	BCL2	ENSG00000171791	15961301;
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D044243	increase	GCLC	ENSG00000001084	17092368;
D044243	increase	PPARG	ENSG00000132170	15961301;
D044243	increase	TP53	ENSG00000141510	15961301;
D044966	decrease	F8	ENSG00000185010	19929230;
D044966	decrease	VWF	ENSG00000110799	19929230;
D045167	increase	PGR	ENSG00000082175	15845615;
D045167	increase	VEGFA	ENSG00000112715	15860260;15845615;
D047071	increase	IFNG	ENSG00000111537	18490488;
D047071	increase	IL10	ENSG00000136634	18490488;
D047071	increase	IL12A	ENSG00000168811	18490488;
D047071	increase	IL12B	ENSG00000113302	18490488;
D047071	increase	IL23A	ENSG00000110944	18490488;
D047072	decrease	MKI67	ENSG00000148773	16002280;
D047072	decrease	PGR	ENSG00000082175	16002280;
D047310	decrease	AKT1	ENSG00000142208	15947208;
D047310	decrease	BCL2	ENSG00000171791	16059641;15486995;
D047310	decrease	CCNB1	ENSG00000134057	19397994;
D047310	decrease	CYP19A1	ENSG00000137869	16023337;10403137;15319488;16965912;
D047310	decrease	ESR1	ENSG00000091831	14579009;16541309;16860978;16118406;
D047310	decrease	FBP1	ENSG00000165140	18331776;
D047310	decrease	HIF1A	ENSG00000100644	15947208;
D047310	decrease	IL4	ENSG00000113520	16343431;
D047310	decrease	PSCA	ENSG00000167653	18331776;
D047310	decrease	RPS6KB1	ENSG00000108443	15947208;
D047310	decrease	VEGFA	ENSG00000112715	15947208;
D047310	increase	CD40	ENSG00000101017	16601352;
D047310	increase	CDKN1A	ENSG00000124762	19397994;11790449;16023288;
D047310	increase	CDKN2C	ENSG00000123080	18331776;
D047310	increase	CYP1A1	ENSG00000140465	11454723;17012224;16271822;
D047310	increase	FOS	ENSG00000170345	15322261;
D047310	increase	GCLC	ENSG00000001084	11864778;
D047310	increase	ICAM1	ENSG00000090339	15322261;15113938;
D047310	increase	JUN	ENSG00000177606	15322261;
D047310	increase	RELA	ENSG00000173039	15113938;15090468;
D047310	increase	SELE	ENSG00000007908	15113938;
D047310	increase	TNF	ENSG00000223952	15113938;15322261;
D047310	increase	TP53	ENSG00000141510	16023288;11790449;
D047310	increase	TP53I3	ENSG00000115129	19397994;
D047310	increase	TP63	ENSG00000073282	19397994;
D047310	increase	TP73	ENSG00000078900	19397994;
D047310	increase	UGT1A1	ENSG00000241635	15090468;14557274;
D047310	increase	VCAM1	ENSG00000162692	15113938;
D047311	affect	TP53	ENSG00000141510	11790449;
D047311	decrease	BCL2	ENSG00000171791	16059641;19557821;
D047311	decrease	CCNB1	ENSG00000134057	18331776;19397994;
D047311	decrease	CD74	ENSG00000019582	18818744;
D047311	decrease	CDKN2C	ENSG00000123080	18331776;
D047311	decrease	CSF2	ENSG00000164400	10718847;
D047311	decrease	FBP1	ENSG00000165140	18331776;
D047311	decrease	NFKBIA	ENSG00000100906	19557821;15322261;

D047311	decrease	NR1D1	ENSG00000126368	19397994;
D047311	decrease	PSCA	ENSG00000167653	18331776;19397994;
D047311	decrease	TNFSF10	ENSG00000121858	16140950;
D047311	decrease	VAV3	ENSG00000134215	19397994;
D047311	decrease	VEGFA	ENSG00000112715	19005980;
D047311	decrease	WISP2	ENSG00000064205	19397994;
D047311	decrease	XIAP	ENSG00000101966	16140950;
D047311	increase	AGER	ENSG00000204305	19557821;
D047311	increase	BIRC2	ENSG00000110330	15334063;
D047311	increase	CD40	ENSG00000101017	16601352;
D047311	increase	CDKN1A	ENSG00000124762	19397994;11790449;11322924;
D047311	increase	CDKN1B	ENSG00000111276	11322924;
D047311	increase	EGR1	ENSG00000120738	19397994;
D047311	increase	FOS	ENSG00000170345	15322261;16343431;
D047311	increase	GADD45B	ENSG00000099860	18331776;
D047311	increase	ICAM1	ENSG00000090339	15322261;15113938;
D047311	increase	IL1B	ENSG00000125538	19557821;
D047311	increase	IL4	ENSG00000113520	16601352;16343431;
D047311	increase	JUN	ENSG00000177606	15322261;15334063;16343431;
D047311	increase	PTGS2	ENSG00000073756	19557821;
D047311	increase	SELE	ENSG00000007908	15113938;
D047311	increase	SFN	ENSG00000175793	18331776;
D047311	increase	TNFAIP3	ENSG00000118503	15334063;
D047311	increase	TNF	ENSG00000223952	19557821;15113938;15322261;15334063;
D047311	increase	TP53I3	ENSG00000115129	18331776;19397994;
D047311	increase	TP63	ENSG00000073282	18331776;19397994;
D047311	increase	TP73	ENSG00000078900	18331776;19397994;
D047311	increase	VCAM1	ENSG00000162692	15113938;
D047630	affect	ABCG2	ENSG00000118777	16954373;
D047630	decrease	BCL2L1	ENSG00000171552	17064661;
D047630	decrease	CAV1	ENSG00000105974	17064661;
D047630	decrease	CCND1	ENSG00000110092	17064661;
D047630	decrease	NRP1	ENSG00000099250	17064661;
D047630	decrease	RAD23B	ENSG00000119318	17064661;
D047630	decrease	TIA1	ENSG00000116001	17064661;
D047630	decrease	TIAL1	ENSG00000151923	17064661;
D047630	decrease	ZFP36L1	ENSG00000185650	17064661;
D047630	increase	BIK	ENSG00000100290	17064661;
D047630	increase	BMF	ENSG00000104081	17064661;
D047630	increase	CBX4	ENSG00000141582	17064661;
D047630	increase	CLU	ENSG00000120885	17064661;
D047630	increase	GADD45B	ENSG00000099860	18225533;
D047630	increase	JUND	ENSG00000130522	17064661;
D047630	increase	MAP3K3	ENSG00000198909	17064661;
D047630	increase	SLC5A5	ENSG00000105641	16954431;
D047630	increase	SPTAN1	ENSG00000197694	17064661;
D047630	increase	SREBF1	ENSG00000072310	17064661;
D047630	increase	STK17B	ENSG00000081320	17064661;
D048789	decrease	ESR1	ENSG00000091831	16076101;16033089;
D048789	decrease	IL6	ENSG00000136244	16019205;
D048789	increase	ALPL	ENSG00000162551	16019205;

D048789	increase	ESR2	ENSG00000140009	16921512;15887952;16566672;16076101;16033089;
D048789	increase	PGR	ENSG00000082175	16076101;
D048789	increase	TFF1	ENSG00000160182	16019205;
D048789	increase	TRIM21	ENSG00000132109	9833039;
D048789	increase	VWF	ENSG00000110799	16019205;
D052638	increase	APP	ENSG00000142192	15513908;
D052638	increase	IL8	ENSG00000169429	18464055;
D052638	increase	PTGS2	ENSG00000073756	15513908;
D053683	increase	ABCC1	ENSG00000103222	15654950;
D053683	increase	ABCC3	ENSG00000108846	15654950;
D053683	increase	ABCC4	ENSG00000125257	15654950;
D053683	increase	ABCC5	ENSG00000114770	15654950;
D053683	increase	LDLR	ENSG00000130164	12524230;
D055768	increase	CYP11A1	ENSG00000140459	18313098;
D055768	increase	CYP11B2	ENSG00000179142	18313098;
D055768	increase	CYP17A1	ENSG00000148795	18313098;
D055768	increase	CYP19A1	ENSG00000137869	18313098;
D055768	increase	CYP21A2	ENSG00000231852	18313098;
D055768	increase	HSD17B1	ENSG00000108786	18313098;
D055768	increase	HSD17B4	ENSG00000133835	18313098;
D055768	increase	HSD3B2	ENSG00000203859	18313098;
D055768	increase	STAR	ENSG00000147465	18313098;
D056604	increase	KLK3	ENSG00000142515	11580929;
D056604	increase	TFF1	ENSG00000160182	11580929;
