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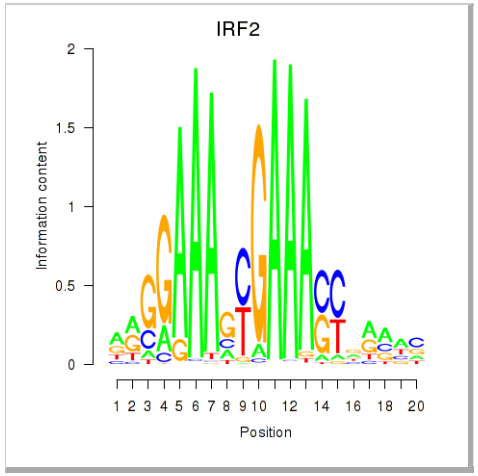
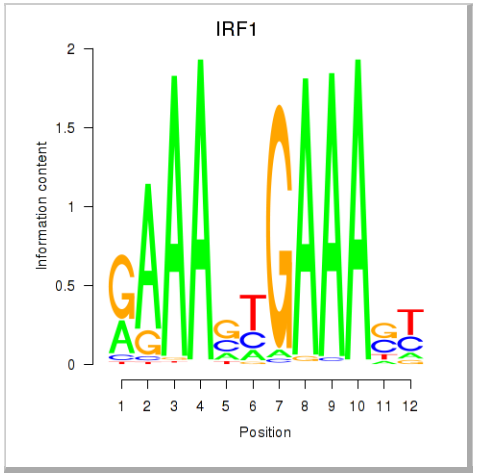
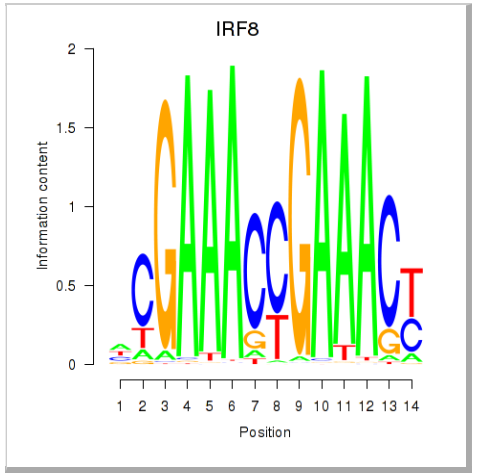
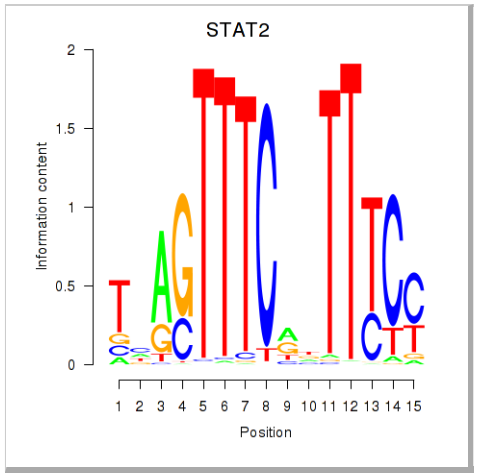
Motif ID: IRF2_STAT2_IRF8_IRF1

Z-value: 5.971









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Transcription factors associated with IRF2_STAT2_IRF8_IRF1:

Gene Symbol	Entrez ID	Gene Name
IRF1	ENSG00000125347.9	IRF1

IRF2	ENSG00000168310.6	IRF2
IRF8	ENSG00000140968.6	IRF8
STAT2	ENSG00000170581.9	STAT2

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Activity-expression correlation:

Gene Symbol	Promoter	Pearson corr. coef.	P-value	Plot
STAT2	hg19_v2_chr12_-_56753858_56753930	0.82	2.1e-08	Click!
IRF1	hg19_v2_chr5_-_131826457_131826514	0.70	1.9e-05	Click!
IRF2	hg19_v2_chr4_-_185395672_185395734	0.62	2.8e-04	Click!
IRF8	hg19_v2_chr16_+_85936295_85936444	0.29	1.3e-01	Click!

Activity profile for motif IRF2_STAT2_IRF8_IRF1.

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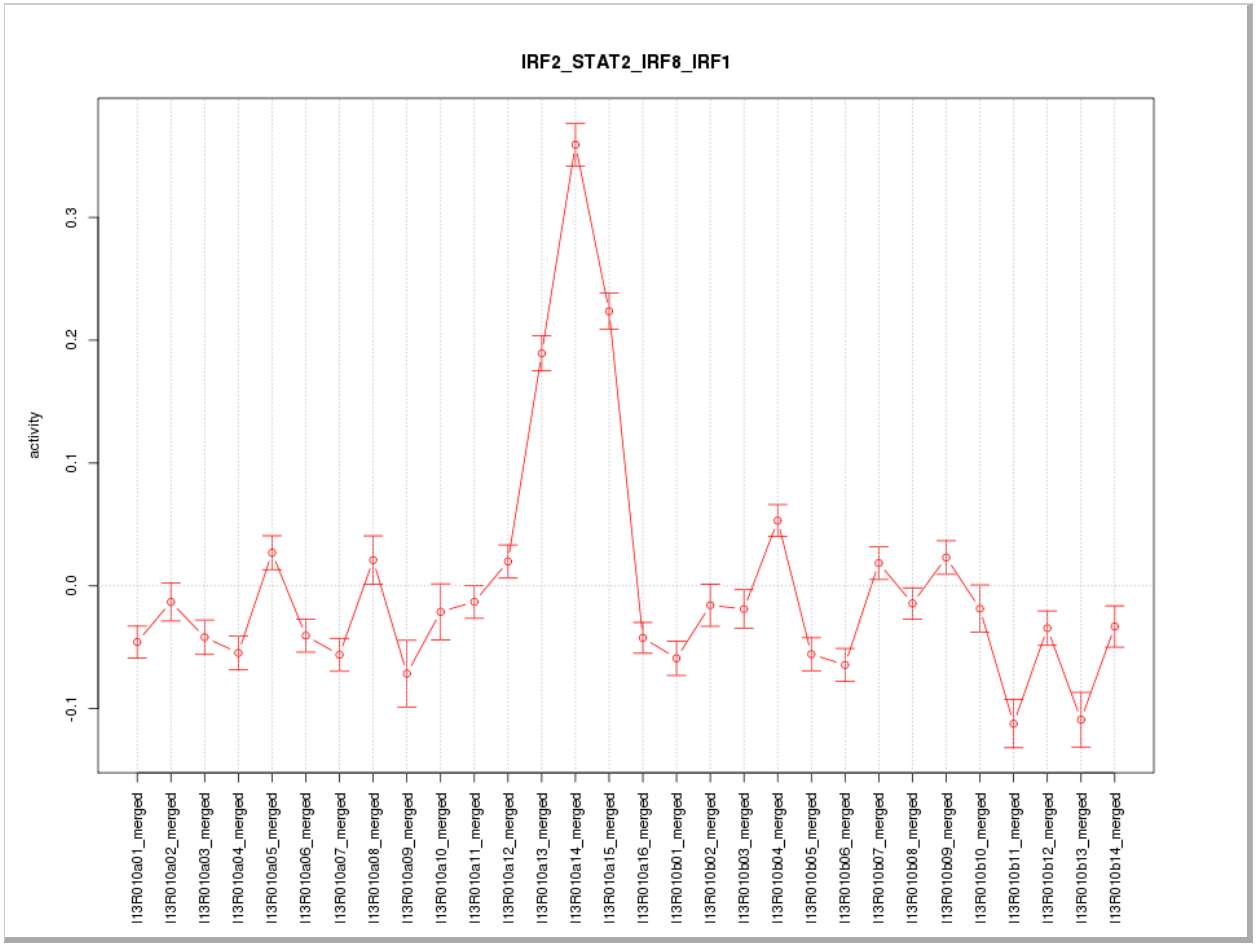

Sorted Z-values histogram for motif IRF2_STAT2_IRF8_IRF1

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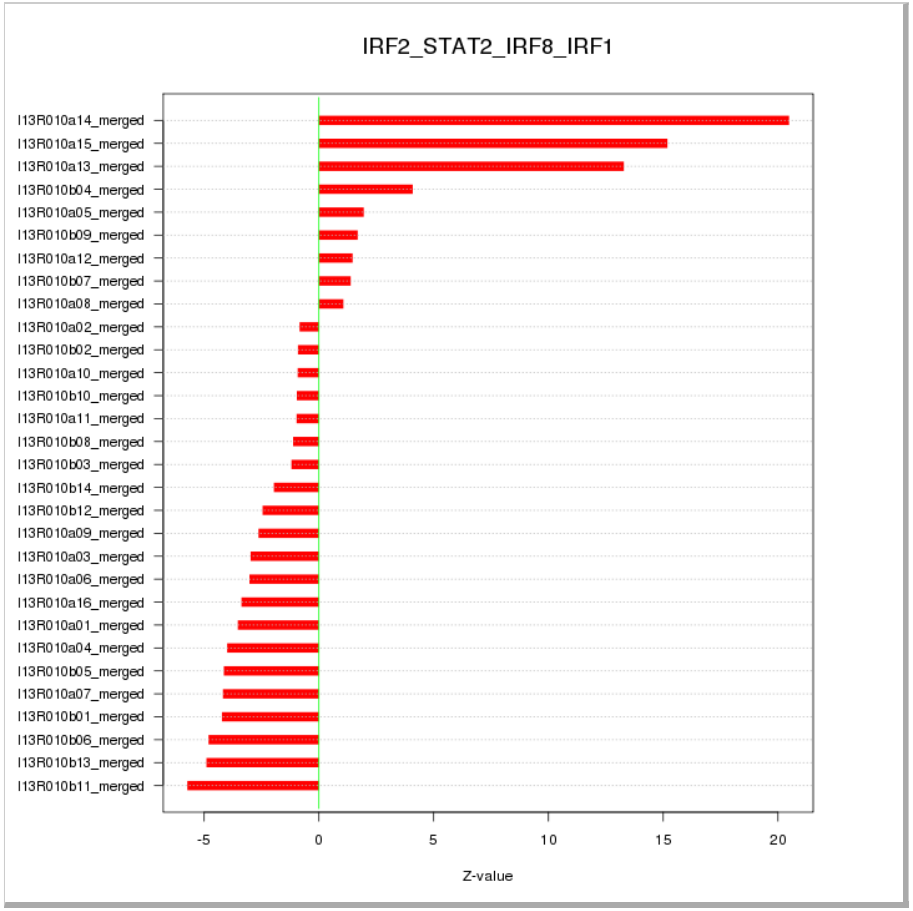

Network of associatons between targets according to the STRING database.

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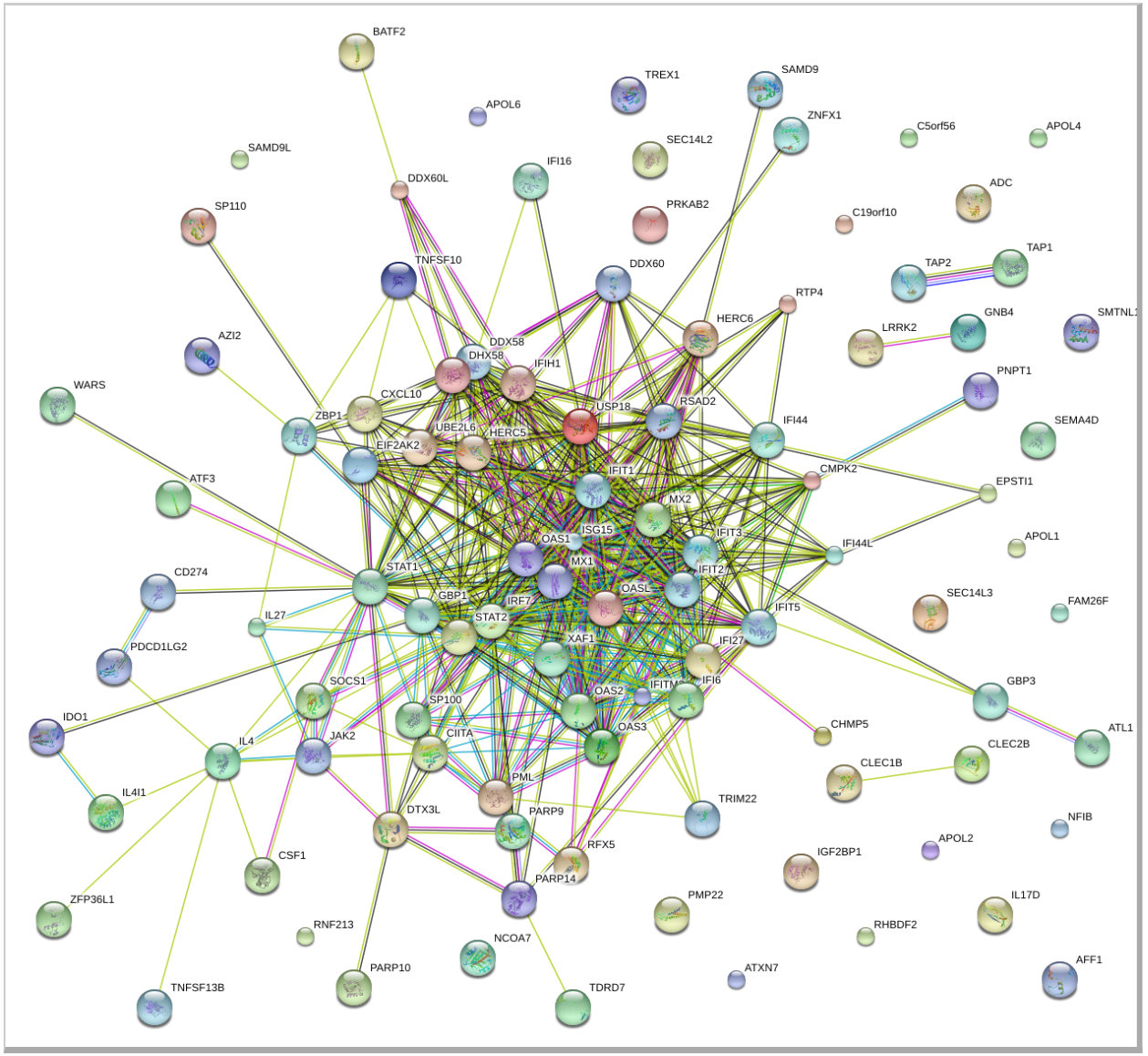

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First level regulatory network of IRF2_STAT2_IRF8_IRF1

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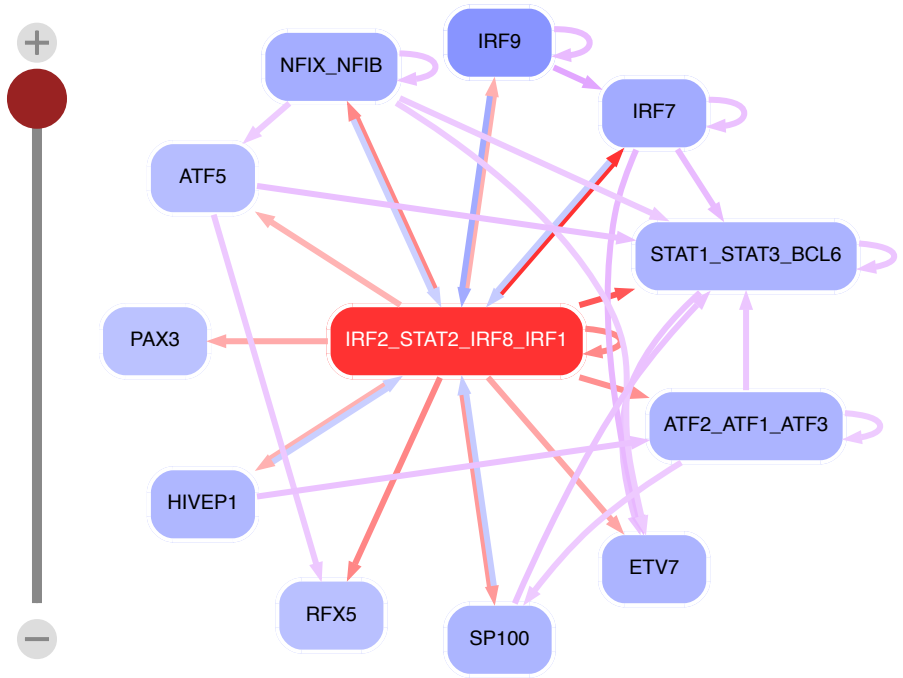

Score threshold: 0.001

Use slider or -/+ buttons to hide/show edges.

View svg image
View png image

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Search:

Show All entries

Showing 1 to 200 of 200 entries

Promoter	Score	Refseq	Gene Symbol	Gene Name
chr2_+_7005959	69.597	ENST00000442639.1	RSAD2	radical S-adenosyl methionine domain containing 2
chr2_+_7017796	56.421	ENST00000382040.3	RSAD2	radical S-adenosyl methionine domain containing 2
				interferon-induced protein 4

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chr1_+_79086088	56.379	ENST00000370751.5 ENST00000342282.3	IFI44L IFI44L	4-like interferon-induced protein 4 4-like
chr10_+_91152303	44.091	ENST00000371804.3	IFIT1	interferon-induced protein with tetratricopeptide repeats 1
chr1_+_948803	40.058	ENST00000379389.4	ISG15	ISG15 ubiquitin-like modifier
chr10_+_91087651	38.585	ENST00000371818.4	IFIT3	interferon-induced protein with tetratricopeptide repeats 3
chr2_-_7005785	38.074	ENST00000458098.1 ENST00000256722.5 ENST00000404168.1	CMPK2 CMPK2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial
chr10_+_91092241	37.841	ENST00000371811.4	IFIT3	interferon-induced protein with tetratricopeptide repeats 3
chr12_+_113376157	32.420	ENST00000228928.7	OAS3	2'-5'-oligoadenylate synthetase 3, 100kDa
chr17_+_6659354	31.302	ENST00000574907.1	XAF1	XIAP associated factor 1
chr22_+_18632666	30.767	ENST00000215794.7	USP18	ubiquitin specific peptidase 18
chr4_+_89378261	26.528	ENST00000264350.3	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5
chr17_+_6658878	26.450	ENST00000574394.1	XAF1	XIAP associated factor 1
chr1_+_79115503	25.933	ENST00000370747.4 ENST00000438486.1 ENST00000545124.1	IFI44 IFI44	interferon-induced protein 4 4 interferon-induced protein 4 4
chr12_+_113416340	25.685	ENST00000552756.1	OAS2	2'-5'-oligoadenylate synthet

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				ase 2, 69/71kDa
chr17_-_40264321	25.529	ENST00000430773.1 ENST00000413196.2	DHX58 DHX58	DEXH (Asp-Glu-X-His) box polypeptide 58 DEXH (Asp-Glu-X-His) box polypeptide 58
chr12_+_113376249	25.524	ENST00000551007.1 ENST00000548514.1	OAS3 OAS3	2'-5'-oligoadenylate synthetase 3, 100kDa 2'-5'-oligoadenylate synthetase 3, 100kDa
chr4_-_169239921	24.929	ENST00000514995.1 ENST00000393743.3	DDX60 DDX60	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 DEAD (Asp-Glu-Ala-Asp) box polypeptide 60
chr13_-_43566301	24.729	ENST00000313624.7 ENST00000398762.3 ENST00000313640.7	EPSTI1 EPSTI1	epithelial stromal interaction 1 (breast) epithelial stromal interaction 1 (breast)
chr11_-_64764435	24.560	ENST00000301887.4 ENST00000534177.1	BATF2 BATF2	basic leucine zipper transcription factor, ATF-like 2 basic leucine zipper transcription factor, ATF-like 2
chr14_+_94577074	24.433	ENST00000555744.1 ENST00000444961.1 ENST00000448882.1 ENST00000557098.1 ENST00000554800.1 ENST00000556544.1 ENST00000298902.5 ENST00000555819.1 ENST00000557634.1	IFI27 IFI27	interferon, alpha-inducible protein 27 interferon, alpha-inducible protein 27
chr10_+_91174486	22.921	ENST00000416601.1	IFIT5	interferon-induced protein with tetratricopeptide repeats 5
chr4_+_89300158	22.724	ENST00000502870.1	HERC6	HECT and RLD domain containing E3 ubiquitin protei

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				n ligase family member 6
chr4_-_76944621	22.397	ENST00000306602.1	CXCL10	chemokine (C-X-C motif) ligand 10
chr12_+_113416265	21.771	ENST00000449768.2	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa
chr12_+_113416191	21.351	ENST00000342315.4 ENST00000392583.2	OAS2 OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa 2'-5'-oligoadenylate synthetase 2, 69/71kDa
chr9_+_5450503	19.893	ENST00000381577.3 ENST00000381573.4	CD274 CD274	CD274 molecule CD274 molecule
chr21_+_42792442	19.836	ENST00000398600.2	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)
chr10_+_91061712	19.794	ENST00000371826.3	IFIT2	interferon-induced protein with tetratricopeptide repeats 2
chr3_+_122399697	19.502	ENST00000494811.1	PARP14	poly (ADP-ribose) polymerase family, member 14
chr10_+_91174314	19.292	ENST00000371795.4	IFIT5	interferon-induced protein with tetratricopeptide repeats 5
chr1_-_27998689	17.923	ENST00000339145.4 ENST00000362020.4 ENST00000361157.6	IFI6 IFI6	interferon, alpha-inducible protein 6 interferon, alpha-inducible protein 6
chr17_+_6659153	17.782	ENST00000361842.3 ENST00000441631.1 ENST00000438512.1 ENST00000346752.4	XAF1 XAF1	XIAP associated factor 1 XIAP associated factor 1
chr3_+_187086120	17.094	ENST00000259030.2	RTP4	receptor (chemosensory) transporter protein 4
chr16_-_28518153	16.848	ENST00000356897.1	IL27	interleukin 27
chr9_+_5510558	16.841	ENST00000397747.3	PDCD1LG2	programmed cell death 1 ligand 2

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chr9_+_5510492	15.654	ENST00000397745.2	PDCD1LG2	programmed cell death 1 ligand 2
chr17_-_40264692	15.241	ENST00000591220.1 ENST00000251642.3	DHX58 DHX58	DEXH (Asp-Glu-X-His) box polypeptide 58 DEXH (Asp-Glu-X-His) box polypeptide 58
chr7_-_92777606	14.970	ENST00000318238.4 ENST00000437805.1 ENST00000446959.1 ENST00000439952.1 ENST00000414791.1 ENST00000446033.1 ENST00000411955.1	SAMD9L SAMD9L	sterile alpha motif domain containing 9-like sterile alpha motif domain containing 9-like
chr11_-_615942	14.786	ENST00000397574.2 ENST00000397562.3 ENST00000330243.5 ENST00000397570.1	IRF7 IRF7	interferon regulatory factor 7 interferon regulatory factor 7
chr1_-_89488510	14.490	ENST00000564665.1 ENST00000370481.4	GBP3 GBP3	guanylate binding protein 3 guanylate binding protein 3
chr20_-_56195449	14.359	ENST00000541799.1	ZBP1	Z-DNA binding protein 1
chr9_-_32526184	13.721	ENST00000545044.1 ENST00000379868.1	DDX58 DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
chr1_-_89531041	13.642	ENST00000370473.4	GBP1	guanylate binding protein 1, interferon-inducible
chr9_-_32526299	12.917	ENST00000379883.2 ENST00000379882.1	DDX58 DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
chr2_-_163175133	12.832	ENST00000263642.2 ENST00000421365.2	IFIH1 IFIH1	interferon induced with helicase C domain 1

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				interferon induced with helicase C domain 1
chr12_+_113344811	12.371	ENST00000551241.1 ENST00000553185.1 ENST00000550689.1	OAS1 OAS1	2'-5'-oligoadenylate synthetase 1, 40/46kDa 2'-5'-oligoadenylate synthetase 1, 40/46kDa
chr2_-_37384175	12.008	ENST00000390013.3 ENST00000411537.2 ENST00000233057.4 ENST00000395127.2	EIF2AK2 EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2 eukaryotic translation initiation factor 2-alpha kinase 2
chr11_-_615570	12.006	ENST00000525445.1 ENST00000348655.6 ENST00000397566.1	IRF7 IRF7	interferon regulatory factor 7 interferon regulatory factor 7
chr3_+_122283175	11.651	ENST00000383661.3	DTX3L	deltex 3-like (Drosophila)
chr20_-_56195525	11.602	ENST00000371173.3 ENST00000395822.3 ENST00000340462.4 ENST00000343535.4	ZBP1 ZBP1	Z-DNA binding protein 1 Z-DNA binding protein 1
chr11_+_5711010	11.426	ENST00000454828.1	TRIM22	tripartite motif containing 22
chr5_+_131746575	11.406	ENST00000337752.2 ENST00000378947.3 ENST00000407797.1	C5orf56 C5orf56	chromosome 5 open reading frame 56 chromosome 5 open reading frame 56
chr2_-_191878681	11.226	ENST00000409465.1	STAT1	signal transducer and activator of transcription 1, 91kDa
chr9_+_100174232	11.106	ENST00000355295.4	TDRD7	tudor domain containing 7
chr14_-_100841794	10.771	ENST00000556295.1 ENST00000554820.1	WARS WARS	tryptophanyl-tRNA synthetase tryptophanyl-tRNA synthetase

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chr4_-_169401628	10.759	ENST00000514748.1 ENST00000512371.1 ENST00000260184.7 ENST00000505890.1 ENST00000511577.1	DDX60L DDX60L	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like
chr3_+_122399444	10.698	ENST00000474629.2	PARP14	poly (ADP-ribose) polymerase family, member 14
chr9_+_100174344	10.510	ENST00000422139.2	TDRD7	tudor domain containing 7
chr3_-_122283079	10.248	ENST00000471785.1 ENST00000466126.1	PARP9 PARP9	poly (ADP-ribose) polymerase family, member 9 poly (ADP-ribose) polymerase family, member 9
chr21_+_42797958	10.197	ENST00000419044.1	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)
chr21_+_42798158	10.118	ENST00000441677.1	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)
chr21_+_42798124	10.063	ENST00000417963.1	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)
chr11_-_57334732	9.683	ENST00000527022.1 ENST00000526659.1	UBE2L6 UBE2L6	ubiquitin-conjugating enzyme E2L 6 ubiquitin-conjugating enzyme E2L 6
chr2_-_191878874	9.548	ENST00000392322.3 ENST00000392323.2 ENST00000424722.1 ENST00000361099.3	STAT1 STAT1	signal transducer and activator of transcription 1, 91kDa signal transducer and activator of transcription 1, 91kDa
chr17_+_78234625	9.508	ENST00000508628.2 ENST00000582970.1	RNF213	ring finger protein 213

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		ENST00000456466.1 ENST00000319921.4	RNF213	ring finger protein 213
chr3_-_122283424	9.493	ENST00000360356.2 ENST00000477522.2	PARP9 PARP9	poly (ADP-ribose) polymerase family, member 9 poly (ADP-ribose) polymerase family, member 9
chr11_+_5710919	9.441	ENST00000425490.1 ENST00000379965.3	TRIM22 TRIM22	tripartite motif containing 22 tripartite motif containing 22
chr22_+_36649170	9.417	ENST00000440669.2 ENST00000438034.1 ENST00000427990.1 ENST00000347595.7 ENST00000397279.4 ENST00000433768.1	APOL1 APOL1	apolipoprotein L, 1 apolipoprotein L, 1
chr3_+_63897605	8.963	ENST00000487717.1	ATXN7	ataxin 7
chr22_-_36635598	8.802	ENST00000454728.1	APOL2	apolipoprotein L, 2
chr3_-_179169330	8.471	ENST00000232564.3	GNB4	guanine nucleotide binding protein (G protein), beta polypeptide 4
chr22_-_36600727	8.436	ENST00000328429.4 ENST00000397275.2	APOL4 APOL4	apolipoprotein L, 4 apolipoprotein L, 4
chr17_-_74489215	8.428	ENST00000585701.1 ENST00000591192.1 ENST00000589526.1	RHBDF2 RHBDF2	rhomboid 5 homolog 2 (Drosophila) rhomboid 5 homolog 2 (Drosophila)
chr9_+_33264861	8.355	ENST00000223500.8	CHMP5	charged multivesicular body protein 5
chr22_+_36044411	8.329	ENST00000409652.4	APOL6	apolipoprotein L, 6
chr12_+_113344755	8.308	ENST00000550883.1	OAS1	2'-5'-oligoadenylate synthetase 1, 40/46kDa
chr3_-_122283100	8.227	ENST00000462315.1 ENST00000492382.1	PARP9 PARP9	poly (ADP-ribose) polymerase family, member 9 poly (ADP-ribose) polymerase family, member 9
				charged multivesicular bod

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chr9_+_33265011	8.208	ENST00000419016.2	CHMP5	y protein 5
chr8_-_145060593	8.144	ENST00000313059.5 ENST00000524918.1 ENST00000313028.7 ENST00000525773.1	PARP10 PARP10	poly (ADP-ribose) polymerase family, member 10 poly (ADP-ribose) polymerase family, member 10
chr21_+_42733870	8.122	ENST00000330714.3 ENST00000436410.1 ENST00000435611.1	MX2 MX2	myxovirus (influenza virus) resistance 2 (mouse) myxovirus (influenza virus) resistance 2 (mouse)
chr21_+_42798094	8.073	ENST00000424365.1 ENST00000398598.3 ENST00000455164.2	MX1 MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)
chr6_-_32821599	7.992	ENST00000354258.4	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
chr2_-_166702601	7.951	ENST00000428888.1	AC009495.4	AC009495.4
chr6_+_37400974	7.883	ENST00000373451.4 ENST00000455891.1	CMTR1 CMTR1	cap methyltransferase 1 cap methyltransferase 1
chr14_-_100841670	7.821	ENST00000555410.1 ENST00000557297.1 ENST00000555813.1 ENST00000557135.1 ENST00000556698.1 ENST00000554509.1	WARS WARS	tryptophanyl-tRNA synthetase tryptophanyl-tRNA synthetase
chr15_+_74287118	7.658	ENST00000563500.1	PML	promyelocytic leukemia
chr12_+_40618764	7.654	ENST00000343742.2	LRRK2	leucine-rich repeat kinase 2
				family with sequence simila

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chr6_+_116782527	7.551	ENST00000368606.3 ENST00000368605.1	FAM26F FAM26F	rity 26, member F family with sequence simila rity 26, member F
chr9_+_4985016	7.498	ENST00000539801.1	JAK2	Janus kinase 2
chr15_+_74287035	7.444	ENST00000359928.4 ENST00000395132.2 ENST00000268059.6 ENST00000354026.6 ENST00000268058.3 ENST00000565898.1 ENST00000569477.1 ENST00000569965.1 ENST00000567543.1 ENST00000436891.3 ENST00000435786.2 ENST00000564428.1	PML PML	promyelocytic leukemia promyelocytic leukemia
chr1_-_146644036	7.404	ENST00000425272.2	PRKAB2	protein kinase, AMP-activat ed, beta 2 non-catalytic sub unit
chr11_-_57335280	7.139	ENST00000287156.4	UBE2L6	ubiquitin-conjugating enzy me E2L 6
chr19_+_17516624	7.107	ENST00000596322.1 ENST00000600008.1 ENST00000601885.1	CTD-2521M24.9	CTD-2521M24.9
chr12_+_113344582	7.068	ENST00000452357.2 ENST00000202917.5 ENST00000445409.2	OAS1 OAS1	2'-5'-oligoadenylate synthet ase 1, 40/46kDa 2'-5'-oligoadenylate synthet ase 1, 40/46kDa
chr15_+_74287009	6.858	ENST00000395135.3	PML	promyelocytic leukemia
chr13_+_108922228	6.837	ENST00000542136.1	TNFSF13B	tumor necrosis factor (ligan d) superfamily, member 13 b
chr1_-_151319654	6.746	ENST00000412774.1 ENST00000430227.1	RFX5 RFX5	regulatory factor X, 5 (influe nces HLA class II expressio n) regulatory factor X, 5 (influe

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				nces HLA class II expressio n)
chr16_-_11350036	6.717	ENST00000332029.2	SOCS1	suppressor of cytokine sign aling 1
chr9_-_92020841	6.714	ENST00000433650.1	SEMA4D	sema domain, immunoglob ulin domain (Ig), transmem brane domain (TM) and sh ort cytoplasmic domain, (se maphorin) 4D
chr22_-_36635225	6.691	ENST00000529194.1	APOL2	apolipoprotein L, 2
chr5_+_132009675	6.681	ENST00000350025.2 ENST00000231449.2	IL4 IL4	interleukin 4 interleukin 4
chr9_-_14322319	6.643	ENST00000606230.1	NFIB	nuclear factor I/B
chr3_-_28389922	6.587	ENST00000415852.1	AZI2	5-azacytidine induced 2
chr3_-_172241250	6.485	ENST00000241261.2 ENST00000420541.2	TNFSF10 TNFSF10	tumor necrosis factor (ligan d) superfamily, member 10 tumor necrosis factor (ligan d) superfamily, member 10
chr12_-_56753858	6.449	ENST00000314128.4 ENST00000557235.1 ENST00000418572.2	STAT2 STAT2	signal transducer and activ ator of transcription 2, 113k Da signal transducer and activ ator of transcription 2, 113k Da
chr6_+_126240442	6.422	ENST00000444128.1 ENST00000448104.1 ENST00000438495.1	NCOA7 NCOA7	nuclear receptor coactivato r 7 nuclear receptor coactivato r 7
chr2_-_55920952	6.390	ENST00000447944.2	PNPT1	polyribonucleotide nucleoti dyltransferase 1
chr3_-_28390415	6.265	ENST00000414162.1 ENST00000420543.2	AZI2 AZI2	5-azacytidine induced 2 5-azacytidine induced 2
chr11_+_57308979	6.187	ENST00000457912.1	SMTNL1	smoothelin-like 1
				transporter 2, ATP-binding

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chr6_-_32806483	6.166	ENST00000374899.4	TAP2	cassette, sub-family B (MDR/TAP)
chr7_-_92747269	6.074	ENST00000379958.2 ENST00000446617.1	SAMD9 SAMD9	sterile alpha motif domain containing 9 sterile alpha motif domain containing 9
chr22_+_36649056	5.885	ENST00000397278.3 ENST00000422706.1 ENST00000426053.1 ENST00000319136.4	APOL1 APOL1	apolipoprotein L, 1 apolipoprotein L, 1
chr11_-_321050	5.869	ENST00000399808.4	IFITM3	interferon induced transmembrane protein 3
chr1_+_212782012	5.775	ENST00000341491.4 ENST00000366985.1	ATF3 ATF3	activating transcription factor 3 activating transcription factor 3
chr14_-_100841930	5.724	ENST00000553934.1 ENST00000555031.1 ENST00000553395.1 ENST00000553545.1 ENST00000344102.5 ENST00000556338.1 ENST00000392882.2	WARS WARS	tryptophanyl-tRNA synthetase tryptophanyl-tRNA synthetase
chr12_-_121476750	5.708	ENST00000543677.1	OASL	2'-5'-oligoadenylate synthetase-like
chr14_-_69262789	5.658	ENST00000557022.1	ZFP36L1	ZFP36 ring finger protein-like 1
chr12_-_10022735	5.643	ENST00000228438.2	CLEC2B	C-type lectin domain family 2, member B
chr12_-_121476959	5.633	ENST00000339275.5	OASL	2'-5'-oligoadenylate synthetase-like
chr14_-_69262947	5.607	ENST00000557086.1	ZFP36L1	ZFP36 ring finger protein-like 1
				indoleamine 2,3-dioxygena

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chr8_+_39770803	5.606	ENST00000518237.1	IDO1	se 1
chr2_-_231084617	5.601	ENST00000409815.2	SP110	SP110 nuclear body protein
chr3_-_28390298	5.538	ENST00000457172.1	AZI2	5-azacytidine induced 2
chr22_-_36635563	5.496	ENST00000451256.2	APOL2	apolipoprotein L, 2
chr1_+_158979686	5.448	ENST00000368132.3 ENST00000295809.7	IFI16 IFI16	interferon, gamma-inducible protein 16 interferon, gamma-inducible protein 16
chr1_+_158979792	5.367	ENST00000430894.2 ENST00000359709.3	IFI16 IFI16	interferon, gamma-inducible protein 16 interferon, gamma-inducible protein 16
chr12_-_121477039	5.319	ENST00000257570.5	OASL	2'-5'-oligoadenylate synthetase-like
chr13_+_108921977	5.304	ENST00000375887.4 ENST00000430559.1	TNFSF13B TNFSF13B	tumor necrosis factor (ligand) superfamily, member 13b tumor necrosis factor (ligand) superfamily, member 13b
chr19_+_17516494	5.298	ENST00000534306.1	CTD-2521M24.9	CTD-2521M24.9
chr1_+_158979680	5.282	ENST00000340979.6 ENST00000368131.4	IFI16 IFI16	interferon, gamma-inducible protein 16 interferon, gamma-inducible protein 16
chr14_-_69262916	5.257	ENST00000553375.1	ZFP36L1	ZFP36 ring finger protein-like 1
chr19_-_50400125	5.245	ENST00000593956.1	IL4I1	interleukin 4 induced 1
chr1_+_110453608	5.239	ENST00000369801.1	CSF1	colony stimulating factor 1 (macrophage)
chr16_+_10972818	5.164	ENST00000576601.1	CIITA	class II, major histocompatibility complex, transactivator
chr20_-_47894936	5.099	ENST00000371754.4	ZNFX1	zinc finger, NFX1-type containing 1

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chr3_+_48507210	5.028	ENST00000444177.1 ENST00000433541.1 ENST00000422277.2 ENST00000436480.2	TREX1 TREX1	three prime repair exonuclease 1 three prime repair exonuclease 1
chr2_+_231280954	4.876	ENST00000341950.4 ENST00000409824.1 ENST00000409341.1 ENST00000409112.1 ENST00000340126.4	SP100 SP100	SP100 nuclear antigen SP100 nuclear antigen
chr4_+_87928140	4.852	ENST00000307808.6	AFF1	AF4/FMR2 family, member 1
chr1_+_113217073	4.838	ENST00000369645.1	MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)
chr2_+_231280908	4.828	ENST00000432979.1 ENST00000427101.2	SP100 SP100	SP100 nuclear antigen SP100 nuclear antigen
chr14_-_67955426	4.828	ENST00000554480.1	TMEM229B	transmembrane protein 229B
chr17_-_54991369	4.825	ENST00000537230.1	TRIM25	tripartite motif containing 25
chr11_-_104916034	4.811	ENST00000375704.3 ENST00000528513.1 ENST00000375706.2	CARD16 CARD16	caspase recruitment domain family, member 16 caspase recruitment domain family, member 16
chr1_+_113217345	4.802	ENST00000357443.2	MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)
chr6_-_32806506	4.799	ENST00000374897.2 ENST00000452392.2	TAP2 TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) Uncharacterized protein
chr1_+_113217043	4.774	ENST00000413052.2	MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)
chr14_+_35451880	4.773	ENST00000555746.1 ENST00000554803.1	SRP54 SRP54	signal recognition particle 54kDa

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				signal recognition particle 5 4kDa
chr7_+_18535321	4.741	ENST00000413380.1 ENST00000430454.1	HDAC9 HDAC9	histone deacetylase 9 histone deacetylase 9
chr1_-_150693318	4.665	ENST00000442853.1 ENST00000368995.4 ENST00000368993.2 ENST00000361824.2 ENST00000322343.7	HORMAD1 HORMAD1	HORMA domain containing 1 HORMA domain containing 1
chr2_+_85811525	4.651	ENST00000306384.4	VAMP5	vesicle-associated membrane protein 5
chr15_+_89182156	4.649	ENST00000379224.5	ISG20	interferon stimulated exonuclease gene 20kDa
chr6_+_32821924	4.619	ENST00000374859.2 ENST00000453265.2	PSMB9 PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 proteasome (prosome, macropain) subunit, beta type, 9
chr3_-_146262352	4.556	ENST00000462666.1	PLSCR1	phospholipid scramblase 1
chr6_+_25963020	4.518	ENST00000357085.3	TRIM38	tripartite motif containing 38
chrX_+_37639302	4.490	ENST00000545017.1 ENST00000536160.1	CYBB CYBB	cytochrome b-245, beta polypeptide cytochrome b-245, beta polypeptide
chr3_+_122283064	4.466	ENST00000296161.4	DTX3L	deltex 3-like (Drosophila)
chr3_-_146262428	4.422	ENST00000486631.1	PLSCR1	phospholipid scramblase 1
chr19_-_17516449	4.420	ENST00000252593.6	BST2	bone marrow stromal cell antigen 2
chr9_+_26746951	4.411	ENST00000523363.1	RP11-18A15.1	RP11-18A15.1
chr1_+_113217309	4.367	ENST00000369644.1 ENST00000544796.1	MOV10 MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse) Mov10, Moloney leukemia virus 10, homolog (mouse)

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chr12_-_118498911	4.337	ENST00000544233.1	WSB2	WD repeat and SOCS box containing 2
chr4_+_100737954	4.286	ENST00000296414.7 ENST00000512369.1	DAPP1 DAPP1	dual adaptor of phosphotyrosine and 3-phosphoinositides dual adaptor of phosphotyrosine and 3-phosphoinositides
chr3_-_28390581	4.271	ENST00000479665.1	AZI2	5-azacytidine induced 2
chr11_-_104905840	4.230	ENST00000436863.3 ENST00000526568.1 ENST00000393136.4 ENST00000531166.1 ENST00000534497.1 ENST00000527979.1 ENST00000446369.1 ENST00000353247.5 ENST00000528974.1 ENST00000533400.1 ENST00000525825.1	CASP1 CASP1	caspase 1, apoptosis-related cysteine peptidase caspase 1, apoptosis-related cysteine peptidase
chr8_+_27184320	4.218	ENST00000522517.1	PTK2B	protein tyrosine kinase 2 beta
chr2_-_166651152	4.198	ENST00000412248.1 ENST00000431484.1	GALNT3 GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3) UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)
chr11_-_104972158	4.141	ENST00000598974.1 ENST00000593315.1 ENST00000594519.1 ENST00000415981.2	CASP1	caspase 1, apoptosis-related cysteine peptidase caspase recruitment domai

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		ENST00000525374.1 ENST00000375707.1	CARD16 CARD17	n family, member 16 caspase recruitment domai n family, member 17
chr8_+_144640499	4.128	ENST00000534018.1 ENST00000525721.1	GSDMD GSDMD	gasdermin D gasdermin D
chr3_-_28390120	4.128	ENST00000334100.6	AZI2	5-azacytidine induced 2
chr19_+_17516909	4.108	ENST00000600514.1 ENST00000601007.1 ENST00000594913.1 ENST00000599975.1	MVB12A CTD-2521M24.9	multivesicular body subunit 12A CTD-2521M24.9
chr15_+_89182178	4.101	ENST00000559876.1	ISG20	interferon stimulated exonu clease gene 20kDa
chr10_+_92980517	4.077	ENST00000336126.5	PCGF5	polycomb group ring finger 5
chr1_+_110453462	4.041	ENST00000488198.1	CSF1	colony stimulating factor 1 (macrophage)
chr10_-_9801179	4.023	ENST00000419836.1	RP5-1051H14.2	RP5-1051H14.2
chr9_-_80437915	4.005	ENST00000397476.3	GNAQ	guanine nucleotide binding protein (G protein), q polyp eptide
chr2_-_231084659	3.978	ENST00000392048.3 ENST00000258381.6 ENST00000358662.4 ENST00000455674.1	SP110 SP110	SP110 nuclear body protein SP110 nuclear body protein
chr11_-_4629367	3.972	ENST00000533021.1	TRIM68	tripartite motif containing 68
chr3_-_146262637	3.966	ENST00000472349.1 ENST00000342435.4	PLSCR1 PLSCR1	phospholipid scramblase 1 phospholipid scramblase 1
chr5_-_39203093	3.946	ENST00000515010.1	FYB	FYN binding protein
chr13_+_50070491	3.943	ENST00000442195.1 ENST00000496612.1 ENST00000357596.3 ENST00000485919.1	PHF11 PHF11	PHD finger protein 11 PHD finger protein 11
chr3_-_146262488	3.918	ENST00000487389.1	PLSCR1	phospholipid scramblase 1

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chr7_+_134832808	3.895	ENST00000275767.3	TMEM140	transmembrane protein 140
chr6_-_109702885	3.878	ENST00000504373.1	CD164	CD164 molecule, sialomucin
chr2_-_145275828	3.859	ENST00000409211.1 ENST00000392861.2	ZEB2 ZEB2	zinc finger E-box binding homeobox 2 zinc finger E-box binding homeobox 2
chrX_-_30595959	3.859	ENST00000378962.3	CXorf21	chromosome X open reading frame 21
chr2_-_231084820	3.846	ENST00000338556.3 ENST00000258382.5	SP110 SP110	SP110 nuclear body protein SP110 nuclear body protein
chr3_-_146262365	3.845	ENST00000448787.2	PLSCR1	phospholipid scramblase 1
chr6_+_32811885	3.788	ENST00000458296.1 ENST00000413039.1 ENST00000429600.1 ENST00000412095.1 ENST00000415067.1 ENST00000395330.1	TAPSAR1 TAPSAR1 PSMB9	TAP1 and PSMB8 antisense RNA 1 TAP1 and PSMB8 antisense RNA 1 proteasome (prosome, macropain) subunit, beta type, 9
chr5_-_95158375	3.785	ENST00000512469.2 ENST00000379979.4 ENST00000505427.1 ENST00000508780.1	GLRX GLRX	glutaredoxin (thioltransferase) glutaredoxin (thioltransferase)
chr16_+_57023406	3.762	ENST00000436936.1 ENST00000262510.6 ENST00000308149.7	NLRC5 NLRC5	NLR family, CARD domain containing 5 NLR family, CARD domain containing 5
chr2_+_33701707	3.758	ENST00000423159.1 ENST00000425210.1	RASGRP3 RASGRP3	RAS guanyl releasing protein 3 (calcium and DAG-regulated) RAS guanyl releasing prote

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		ENST00000444784.1		in 3 (calcium and DAG-regulated)
chr19_-_50400212	3.749	ENST00000391826.2	IL4I1	interleukin 4 induced 1
chr19_+_17516531	3.701	ENST00000528911.1 ENST00000528604.1 ENST00000595892.1 ENST00000500836.2 ENST00000598546.1 ENST00000600369.1 ENST00000598356.1 ENST00000594426.1	MVB12A CTD-2521M24.9	multivesicular body subunit 12A CTD-2521M24.9
chr6_-_36355486	3.624	ENST00000538992.1	ETV7	ets variant 7
chr13_+_50070077	3.601	ENST00000426879.1 ENST00000378319.3	PHF11 PHF11	PHD finger protein 11 PHD finger protein 11
chr14_-_67981870	3.573	ENST00000555994.1	TMEM229B	transmembrane protein 229B
chr6_-_36355513	3.569	ENST00000373737.4 ENST00000340181.4	ETV7 ETV7	ets variant 7 ets variant 7
chr15_+_89181974	3.557	ENST00000306072.5	ISG20	interferon stimulated exonuclease gene 20kDa
chr7_+_150382781	3.555	ENST00000474605.1 ENST00000223293.5	GIMAP2 GIMAP2	GTPase, IMAP family member 2 GTPase, IMAP family member 2

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Gene overrepresentation in biological_process category:

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5.3	628.3	GO:0071357	type I interferon signaling pathway(GO:
1.1	131.0	GO:0051607	defense response to virus(GO:005160
0.1	117.2	GO:0006955	immune response(GO:0006955)
1.1	73.2	GO:0032480	negative regulation of type I interferon
1.1	51.0	GO:0042130	negative regulation of T cell proliferatio
11.0	44.1	GO:0051097	negative regulation of helicase activity(
0.1	38.2	GO:0007249	I-kappaB kinase/NF-kappaB signaling(
9.5	38.1	GO:0009138	pyrimidine nucleoside diphosphate met
0.2	36.8	GO:0042787	protein ubiquitination involved in ubiqui
2.4	29.2	GO:0002230	positive regulation of defense response
0.2	29.0	GO:0009615	response to virus(GO:0009615)
0.6	26.3	GO:0060135	maternal process involved in female pr
4.1	24.3	GO:0006436	tryptophanyl-tRNA aminoacylation(GO:
1.9	24.2	GO:0017121	phospholipid scrambling(GO:0017121)
7.3	22.0	GO:0032938	negative regulation of translation in res
0.3	20.8	GO:0060333	interferon-gamma-mediated signaling p
0.1	20.4	GO:0007281	germ cell development(GO:0007281)
0.5	19.1	GO:0070206	protein trimerization(GO:0070206)
4.7	19.0	GO:0046967	cytosol to ER transport(GO:0046967)
4.7	18.8	GO:0035279	mRNA cleavage involved in gene silen

Gene overrepresentation in cellular_component category:

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Log-likelihood per target	Total log-likelihood	Term	Description
0.1	289.0	GO:0005829	cytosol(GO:0005829)
0.0	239.2	GO:0005575	cellular_component(GO:0005575)
0.0	168.0	GO:0005737	cytoplasm(GO:0005737)

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0.4	162.1	GO:0005792	obsolete microsome(GO:0005792)
0.1	152.8	GO:0005739	mitochondrion(GO:0005739)
0.2	135.8	GO:0005789	endoplasmic reticulum membrane(GO:
0.1	58.5	GO:0010008	endosome membrane(GO:0010008)
0.1	53.0	GO:0048471	perinuclear region of cytoplasm(GO:00
0.0	52.7	GO:0005730	nucleolus(GO:0005730)
0.0	27.8	GO:0005615	extracellular space(GO:0005615)
2.6	23.8	GO:0042825	TAP complex(GO:0042825)
0.5	22.3	GO:0012505	endomembrane system(GO:0012505)
7.3	22.0	GO:0042406	extrinsic component of endoplasmic ret
0.2	21.7	GO:0016605	PML body(GO:0016605)
1.7	21.5	GO:0033391	chromatoid body(GO:0033391)
0.3	19.8	GO:0015030	Cajal body(GO:0015030)
0.3	19.2	GO:0000932	cytoplasmic mRNA processing body(G
0.1	16.6	GO:0016363	nuclear matrix(GO:0016363)
0.1	16.5	GO:0009897	external side of plasma membrane(GO
1.6	14.3	GO:0008074	guanylate cyclase complex, soluble(GC

Gene overrepresentation in molecular_function category:

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Log-likelihood per target	Total log-likelihood	Term	Description
0.9	163.3	GO:0016779	nucleotidyltransferase activity(GO:0016
0.6	134.1	GO:0004386	helicase activity(GO:0004386)
1.5	122.4	GO:0051536	iron-sulfur cluster binding(GO:0051536
0.2	97.4	GO:0003924	GTPase activity(GO:0003924)
0.0	92.1	GO:0008270	zinc ion binding(GO:0008270)
0.4	79.5	GO:0016881	acid-amino acid ligase activity(GO:001
1.6	73.3	GO:0003950	NAD+ ADP-ribosyltransferase activity(

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0.6	40.8	GO:0036459	thiol-dependent ubiquitin-specific prote
13.4	40.1	GO:0031386	protein tag(GO:0031386)
5.4	38.1	GO:0004127	cytidylate kinase activity(GO:0004127)
0.3	31.2	GO:0003704	obsolete specific RNA polymerase II tra
0.1	29.6	GO:0043565	sequence-specific DNA binding(GO:00
5.7	28.6	GO:0003726	double-stranded RNA adenosine deam
1.4	25.6	GO:0008035	high-density lipoprotein particle binding
0.1	24.7	GO:0003714	transcription corepressor activity(GO:0
4.1	24.3	GO:0004830	tryptophan-tRNA ligase activity(GO:000
1.9	24.2	GO:0017128	phospholipid scramblase activity(GO:0
0.0	23.5	GO:0004872	receptor activity(GO:0004872) molecul
0.5	22.5	GO:0008603	cAMP-dependent protein kinase regula
5.5	22.0	GO:0032183	SUMO binding(GO:0032183)

Gene overrepresentation in C2:CP category:

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Log-likelihood per target	Total log-likelihood	Term
2.4	28.3	ST_INTERFERON_GAMMA_PATHWAY
0.1	23.3	SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCTES
0.6	21.6	SA_MMP_CYTOKINE_CONNECTION
0.4	11.8	SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES
0.3	10.5	SA_FAS_SIGNALING
0.4	7.0	SIG_IL4RECEPTOR_IN_B_LYPHOCYTES
0.3	6.7	ST_INTERLEUKIN_4_PATHWAY
0.2	5.7	SA_CASPASE_CASCADE
0.7	5.2	ST_TYPE_I_INTERFERON_PATHWAY
0.3	4.4	SA_PTEN_PATHWAY
0.3	3.4	ST_PAC1_RECEPTOR_PATHWAY

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0.1	2.5	ST_ADRENERGIC
0.0	1.8	SIG_REGULATION_OF_THE_ACTIN_CYTOSKELET
0.0	1.6	ST_WNT_BETA_CATENIN_PATHWAY
0.0	0.8	ST_P38_MAPK_PATHWAY
0.1	0.7	ST_JAK_STAT_PATHWAY
0.0	0.6	SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC
0.0	0.3	SA_PROGRAMMED_CELL_DEATH

ISMARA

Project

Final-1

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