

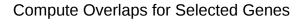
logged in as swp7196@utulsa.edu

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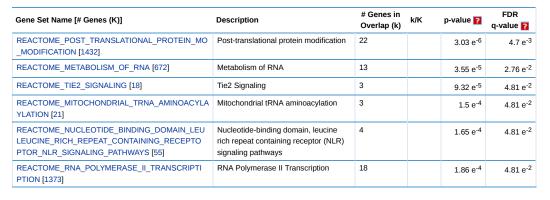
Converted 200 submitted identifiers into 199 NCBI (Entrez) genes. click here for details.

Collections	# Overlaps Shown	# Gene Sets in Collections	# Genes in Comparison (n)	# Genes in Universe (N)
CP:REACTOME	6	1554	199	40071

Click the gene set name to see the gene set page. Click the number of genes [in brackets] to download the list of genes.

Color bar shading from light green to black, where lighter colors indicate more significant FDR q-values (< 0.05) and black indicates less significant FDR q-values (>= 0.05).

Save to: Text (as Tab separated values; \*.tsv)



Gene/geneset overlap matrix

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		ME_POST_TRANSLATIONAL_	ME_METABOLISM_OF_RNA	ME_THE2_SIGNALING	VIE_MITOCHONDRIAL_TRN	VIE_NUCLEOTIDE_BINDING	VIE RNA POLYMERASE II TI			
Entrez	Gene	ACTOMIE_POST_TRANSLATIONAL_	ACTOMIE_MIETABOLISM_OF_RNA	ACTOME_THE2_SIGNALING	ACTOME_MITOCHONDRIAL_TRN	ACTOME_NUCLEOTIDE_BINDING	ACTOME RNA POLYMERASE II TI			Gene
ene Id	Symbol	REACTOME_POST_TRANSIATIONAL_PROTEIN_MODIFICATION	REACTOME_METABOLISM_OF_RNA	REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRNA_AMINOACY1ATION	REACTOME_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NIR_SIGNALING_PATHWAYS	REACTOME RNA POLYMERASE II TRANSCRIPTION	_	d	Description
Sene Id 5707	Symbol PSMD1	Х	х	REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	× REACTOME RNA POLYMERASE II TI	8	e	Description  proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
5707 1927	Symbol PSMD1 NUP88	x		REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN.	REACTOME_NUCLEOTIDE_BINDING	х	8	e.	proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]  nucleoporin 88 [Source:HGNC Symbol;Acc:HGNC:8067]
927 929	Symbol PSMD1 NUP88 RBBP5	Х	х	REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING		300	e e	Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
sene Id 1707 1927 1929	Symbol PSMD1 NUP88 RBBP5 NR1H2	x x x	х	REACTOME_TIEZ_SIGNALING	REACTOMIE_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	х	300	e e e	Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
927 929 376 221	PSMD1  NUP88  RBBP5  NR1H2  MEN1	x x x x	х	REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x	300 300 300	e   e   e   e	Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
iene Id i707 i927 i929 i376 i221 i991	PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3	x x x x x	х	REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x	300 300 300		Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
927 929 929 9376 9221 991	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58	x x x x x x	х	REACTOME_TIEZ_SIGNATING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x	304 304 304 304		Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
376	PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3	x x x x x x x	х	REACTOME_TIE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x			Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
927 929 376 221 991 3386 91	PSMDI PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20	x x x x x x	х	REACTOME_THE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x	304 304 304 304		Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
ene Id 707 927 929 376 221 991 3386 91 3339 4861	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1	x x x x x x x x x	х	REACTONIE_THESIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x			Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
ene Id 707 927 929 376 221 991 33586 91 3339 4861	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22	x x x x x x x x x x	х	REACTOME_TIE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTONIE_NUCLEOTIDE_BINDING	x			Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
ene Id 707 927 929 376 2221 9991 33586 991 33339 4861 487 0474	PSMDI PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22 ST3GAL3	X	х	REACTONE_TIE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x			Description
sene Id 707 927 929 376 221 991 3586 91 3339 4861 487 0474	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22 ST3GAL3 TADA3	x x x x x x x x x x x x x x x x x x x	х	REACTONIE_TIE2_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x			Description
sene Id 1707 1927 1929 1376 1221 1991 13586 1991 13339 14861 1487 10474 1612 1286	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22 ST3GAL3 TADA3 SUMO3	X	х	REACTOME_THE_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTONE_NUCLEOTIDE_BINDING	x			Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
iene Id 1707 1927 1929 1376 1221 1991 13586 1991 13339 14861 1487 10474 1612 1286 1419	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22 ST3GAL3 TADA3 SUMO3 MITF	X	х	REACTONE_TITE_SIGNALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x			Description
Seene Id  5707  1927  5929  7376  1221  7991  23586  1991  53339  34861  5487  10474  5612  1286  7419  10537	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22 ST3GAL3 TADA3 SUMO3 MITF VDAC3 UBD ARFGAP1	X	х	REACTONIE_TIE2_SIGNALING	REACTONIE_MITOCHONDRIAL_TRIN	REACTOME_NUCLEOTIDE_BINDING	x			Description   Proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
Entrez Gene Id 5707 4927 5929 7376 4221 7991 23586 991 53339 34861 6487 10474 4286 7419 10537 55738 26286	Symbol PSMD1 NUP88 RBBP5 NR1H2 MEN1 TUSC3 DDX58 CDC20 BTBD1 KLHL22 ST3GAL3 TADA3 SUMO3 MITF VDAC3 UBD	X	х	REACTOME_THE_SACANALING	REACTOME_MITOCHONDRIAL_TRN	REACTOME_NUCLEOTIDE_BINDING	x			Description

266727	MDGA1	x						ક	MAM domain containing glycosylphosphatidylinositol anchor 1 [Source:HGNC Symbol;Acc:HGNC:19267]
3371	TNC	х						ક	etenascin C [Source:HGNC Symbol;Acc:HGNC:5318]
199746	U2AF1L4		х				х	ક	U2 small nuclear RNA auxiliary factor 1 like 4 [Source:HGNC Symbol;Acc:HGNC:23020]
6430	SRSF5		х				х	ક	erine and arginine rich splicing factor 5 [Source:HGNC Symbol;Acc:HGNC:10787]
24148	PRPF6		х					ક	pre-mRNA processing factor 6 [Source:HGNC Symbol;Acc:HGNC:15860]
26121	PRPF31		х					ક	pre-mRNA processing factor 31 [Source:HGNC Symbol;Acc:HGNC:15446]
84991	RBM17		х					ક	RNA binding motif protein 17 [Source:HGNC Symbol;Acc:HGNC:16944]
23404	EXOSC2		х					ક	exosome component 2 [Source:HGNC Symbol;Acc:HGNC:17097]
51010	EXOSC3		х					ક	exosome component 3 [Source:HGNC Symbol;Acc:HGNC:17944]
255967	PAN3		х					ક	poly(A) specific ribonuclease subunit PAN3 [Source:HGNC Symbol;Acc:HGNC:29991]
11103	KRR1		х					8	KRR1 small subunit processome component homolog [Source:HGNC Symbol;Acc:HGNC:5176]
115939	TSR3		х					ខ	TSR3 ribosome maturation factor [Source:HGNC Symbol;Acc:HGNC:14175]
56902	PNO1		Х					s	er partner of NOB1 homolog [Source:HGNC Symbol;Acc:HGNC:32790]
5781	PTPN11			Х			Х	s	c protein tyrosine phosphatase non-receptor type 11 [Source:HGNC Symbol;Acc:HGNC:9644]
2886	GRB7						_		growth factor receptor bound protein 7 [Source:HGNC Symbol;Acc:HGNC:4567]
284	ANGPT1		_	X	_	_	_	S	growth factor receptor bound protein / [Source:HGNC Symbol;Acc:HGNC:4367]
	-			Х				S	<u> </u>
124454	EARS2				Х			s	glutamyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:29419]
57038	RARS2				Х			ક	arginyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:21406]
92935	MARS2	-			Х			ક	methionyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:25133]
3551	IKBKB					Х		S	inhibitor of nuclear factor kappa B kinase subunit beta [Source:HGNC Symbol;Acc:HGNC:5960]
257397	TAB3					х		ક	TGF-beta activated kinase 1 (MAP3K7) binding protein 3 [Source:HGNC Symbol;Acc:HGNC:30681]
10910	SUGT1					х		ક	SGT1 homolog, MIS12 kinetochore complex assembly cochaperone [Source:HGNC Symbol;Acc:HGNC:16987]
24145	PANX1					х		ક	pannexin 1 [Source:HGNC Symbol;Acc:HGNC:8599]
5527	PPP2R5C						х	ક	protein phosphatase 2 regulatory subunit B'gamma [Source:HGNC Symbol;Acc:HGNC:9311]
51434	ANAPC7						х	ક	anaphase promoting complex subunit 7 [Source:HGNC Symbol;Acc:HGNC:17380]
6883	TAF12						х	ક	TATA-box binding protein associated factor 12 [Source:HGNC Symbol;Acc:HGNC:11545]
1021	CDK6						х	ક	c/cyclin dependent kinase 6 [Source:HGNC Symbol;Acc:HGNC:1777]
7249	TSC2						х	ક	TSC complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:12363]
2289	FKBP5						х	8	FKBP prolyl isomerase 5 [Source:HGNC Symbol;Acc:HGNC:3721]
57103	TIGAR						х	ક	TP53 induced glycolysis regulatory phosphatase [Source:HGNC Symbol;Acc:HGNC:1185]
256051	ZNF549						Х	ક	zinc finger protein 549 [Source:HGNC Symbol;Acc:HGNC:26632]
26149	ZNF658						X	8	zinc finger protein 658 [Source:HGNC Symbol;Acc:HGNC:25226]
55663	ZNF446						X	ક	zinc finger protein 446 [Source:HGNC Symbol:Acc:HGNC:21036]
7768	ZNF225							ક	zinc finger protein 225 [Source:HGNC Symbol;Acc:HGNC:13018]
2039	DMTN						Х		el dematin actin binding protein [Source:HGNC Symbol;Acc:HGNC:3382]
57380	MRS2							S	el magnesium transporter MRS2 [Source:HGNC Symbol;Acc:HGNC:13785]
				-	-	-	-	8	RAS p21 protein activator 1 [Source:HGNC Symbol;Acc:HGNC:9871]
5921	RASA1		_					8	
6059	ABCE1	-						8	ATP binding cassette subfamily E member 1 [Source:HGNC Symbol;Acc:HGNC:69]
3838	KPNA2							ક	karyopherin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:6395]
867	CBL							ક	Cbl proto-oncogene [Source:HGNC Symbol;Acc:HGNC:1541]
5896	RAG1							ક	ecombination activating 1 [Source:HGNC Symbol;Acc:HGNC:9831]
116985	ARAP1							ક	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1 [Source:HGNC Symbol;Acc:HGNC:16925]
4775	NFATC3							ક	nuclear factor of activated T cells 3 [Source:HGNC Symbol;Acc:HGNC:7777]
29851	ICOS							ક	inducible T cell costimulator [Source:HGNC Symbol;Acc:HGNC:5351]
23304	UBR2							ક	ubiquitin protein ligase E3 component n-recognin 2 [Source:HGNC Symbol;Acc:HGNC:21289]
135250	RAET1E							ક	etinoic acid early transcript 1E [Source:HGNC Symbol;Acc:HGNC:16793]
8555	CDC14B							ક	cell division cycle 14B [Source:HGNC Symbol;Acc:HGNC:1719]
957	ENTPD5							ક	ectonucleoside triphosphate diphosphohydrolase 5 (inactive) [Source:HGNC Symbol;Acc:HGNC:3367]
1464	CSPG4							ક	chondroitin sulfate proteoglycan 4 [Source:HGNC Symbol;Acc:HGNC:2466]
	DPEP3	-	-	-	-	-	-	S	dipeptidase 3 [Source:HGNC Symbol;Acc:HGNC:23029]

55140	ELP3							ક	e!	elongator acetyltransferase complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:20696]
9913	SUPT7L							8		SPT7 like, STAGA complex subunit gamma [Source:HGNC Symbol;Acc:HGNC:30632]
83852	SETDB2							ક		SET domain bifurcated histone lysine methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:20263]
23491	CES3							8		carboxylesterase 3 [Source:HGNC Symbol;Acc:HGNC:1865]
55755	CDK5RAP2							8	-	CDK5 regulatory subunit associated protein 2 [Source:HGNC Symbol;Acc:HGNC:18672]
57787	MARK4	-						ક		microtubule affinity regulating kinase 4 [Source:HGNC Symbol;Acc:HGNC:13538]
79598	CEP97	-						ક		centrosomal protein 97 [Source:HGNC Symbol;Acc:HGNC:26244]
64786	TBC1D15							_		TBC1 domain family member 15 [Source:HGNC Symbol;Acc:HGNC:25694]
		-	-		-	-		8		
23048	FNBP1	-						8		formin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17069]
8906	AP1G2	-						ક		adaptor related protein complex 1 subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:556]
8893	EIF2B5							ક		eukaryotic translation initiation factor 2B subunit epsilon [Source:HGNC Symbol;Acc:HGNC:3261]
23471	TRAM1	_	_					ક	-	translocation associated membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:20568]
83658	DYNLRB1							ક		dynein light chain roadblock-type 1 [Source:HGNC Symbol;Acc:HGNC:15468]
11339	OIP5							ક		Opa interacting protein 5 [Source:HGNC Symbol;Acc:HGNC:20300]
7224	TRPC5							ક	e!	transient receptor potential cation channel subfamily C member 5 [Source:HGNC Symbol;Acc:HGNC:12337]
57805	CCAR2							ક	e!	cell cycle and apoptosis regulator 2 [Source:HGNC Symbol;Acc:HGNC:23360]
23334	SZT2							ક	e!	SZT2 subunit of KICSTOR complex [Source:HGNC Symbol;Acc:HGNC:29040]
3428	IFI16							ક	e!	interferon gamma inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:5395]
79169	C1orf35							ક	e!	chromosome 1 open reading frame 35 [Source:HGNC Symbol;Acc:HGNC:19032]
2070	EYA4	1						ક		EYA transcriptional coactivator and phosphatase 4 [Source:HGNC Symbol;Acc:HGNC:3522]
5727	PTCH1							ક		patched 1 [Source:HGNC Symbol;Acc:HGNC:9585]
285973	ATG9B							ક		autophagy related 9B [Source:HGNC Symbol;Acc:HGNC:21899]
8620	NPFF							8		neuropeptide FF-amide peptide precursor [Source:HGNC Symbol;Acc:HGNC:7901]
2532	ACKR1	-						ક		atypical chemokine receptor 1 (Duffy blood group) [Source:HGNC Symbol;Acc:HGNC:4035]
145258	GSC	-						_	-	goosecoid homeobox [Source:HGNC Symbol;Acc:HGNC:4612]
55214	P3H2	-						8		prolyl 3-hydroxylase 2 [Source:HGNC Symbol;Acc:HGNC:19317]
		-	-		-	-		8		
51380	CSAD	-						ક	-	cysteine sulfinic acid decarboxylase [Source:HGNC Symbol;Acc:HGNC:18966]
6011	GRK1	-	-		_			8		G protein-coupled receptor kinase 1 [Source:HGNC Symbol;Acc:HGNC:10013]
26031	OSBPL3	-	-					ક		oxysterol binding protein like 3 [Source:HGNC Symbol;Acc:HGNC:16370]
4633	MYL2	_	_					ક		myosin light chain 2 [Source:HGNC Symbol;Acc:HGNC:7583]
4707	NDUFB1							ક		NADH:ubiquinone oxidoreductase subunit B1 [Source:HGNC Symbol;Acc:HGNC:7695]
8266	UBL4A							ક		ubiquitin like 4A [Source:HGNC Symbol;Acc:HGNC:12505]
3800	KIF5C							ક	e!	kinesin family member 5C [Source:HGNC Symbol;Acc:HGNC:6325]
5936	RBM4							ક	-	RNA binding motif protein 4 [Source:HGNC Symbol;Acc:HGNC:9901]
57019	CIAPIN1							ક	e!	cytokine induced apoptosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28050]
51218	GLRX5							ક	e!	glutaredoxin 5 [Source:HGNC Symbol;Acc:HGNC:20134]
100009676	ZBTB11-AS1							ક	e!	ZBTB11 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:48573]
100128285	DNM1P35							ક	e!	dynamin 1 pseudogene 35 [Source:HGNC Symbol;Acc:HGNC:35182]
100287722	AP4B1-AS1							ક	e!	AP4B1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44114]
100506144	ТМЕМ35В							ક	e!	transmembrane protein 35B [Source:HGNC Symbol;Acc:HGNC:40021]
100506215	PAXBP1-AS1							ક	e!	PAXBP1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:39603]
100506742	CASP12							ક	e!	caspase 12 (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC:19004]
100534593	STX16-							ક	e!	STX16-NPEPL1 readthrough (NMD candidate) [Source:HGNC Symbol;Acc:HGNC:41993]
100775107	NPEPL1 RBM5-AS1	-	$\vdash$	<u> </u>	_	-	<u> </u>		pl	RBM5 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:48871]
100874118	INTS6L-AS1	-						8	-	INTS6L antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:41180]
			-					8	_	charged multivesicular body protein 1B2, pseudogene [Source:HGNC Symbol;Acc:HGNC:49380]
101060146	CHMP1B2P					-		8		
10151	HNRNPA3P1					-		ક		heterogeneous nuclear ribonucleoprotein A3 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:13729
101927891	PKN2-AS1							ક		PKN2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:50597]
102723508	KANTR							ક	-	KDM5C adjacent transcript [Source:HGNC Symbol;Acc:HGNC:49510]
10953	TOMM34							ક	e!	translocase of outer mitochondrial membrane 34 [Source:HGNC Symbol;Acc:HGNC:15746]
11045	UPK1A							ક	e!	uroplakin 1A [Source:HGNC Symbol;Acc:HGNC:12577]

1106	CHD2				ક	el chro	romodomain helicase DNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:1917]
114044	MCM3AP-AS1				ક	el MC	CM3AP antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:16417]
116143	WDR92				ક	e! wd	Prepeat domain 92 [Source:HGNC Symbol;Acc:HGNC:25176]
127002	ATXN7L2				ક	el ata	xin 7 like 2 [Source:HGNC Symbol;Acc:HGNC:28713]
132720	FAM241A				S	el fam	nily with sequence similarity 241 member A [Source:HGNC Symbol;Acc:HGNC:26813]
134218	DNAJC21				ક	el Dna	aJ heat shock protein family (Hsp40) member C21 [Source:HGNC Symbol;Acc:HGNC:27030]
139425	DCAF8L1				ક		B1 and CUL4 associated factor 8 like 1 [Source:HGNC Symbol;Acc:HGNC:31810]
146664	MGAT5B				ક	el alph Syr	ha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B [Source:HGNC mbol;Acc:HGNC:24140]
L47172	LRRC37BP1				ક	el leur	cine rich repeat containing 37B pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:25390]
150590	C2orf15				ક	el chro	omosome 2 open reading frame 15 [Source:HGNC Symbol;Acc:HGNC:28436]
1745	DLX1				ક	el dist	tal-less homeobox 1 [Source:HGNC Symbol;Acc:HGNC:2914]
.939	EIF2D				ક	euk	karyotic translation initiation factor 2D [Source:HGNC Symbol;Acc:HGNC:6583]
2005	ELK4				ક	e! ETS	S transcription factor ELK4 [Source:HGNC Symbol;Acc:HGNC:3326]
221079	ARL5B				ક	el ADI	P ribosylation factor like GTPase 5B [Source:HGNC Symbol;Acc:HGNC:23052]
221092	HNRNPUL2				ક	e! hete	erogeneous nuclear ribonucleoprotein U like 2 [Source:HGNC Symbol;Acc:HGNC:25451]
23012	STK38L				ક	el seri	ine/threonine kinase 38 like [Source:HGNC Symbol;Acc:HGNC:17848]
23126	POGZ				8	el pog	go transposable element derived with ZNF domain [Source:HGNC Symbol;Acc:HGNC:18801]
253714	MMS22L				ક	e! MM	AS22 like, DNA repair protein [Source:HGNC Symbol;Acc:HGNC:21475]
253832	ZDHHC20	$\top$			ક	el zinc	c finger DHHC-type palmitoyltransferase 20 [Source:HGNC Symbol;Acc:HGNC:20749]
254042	METAP1D				ક	el met	thionyl aminopeptidase type 1D, mitochondrial [Source:HGNC Symbol;Acc:HGNC:32583]
25911	DPCD				ક	el dele	eted in primary ciliary dyskinesia homolog (mouse) [Source:HGNC Symbol;Acc:HGNC:24542]
6015	RPAP1				ક	el RN.	A polymerase II associated protein 1 [Source:HGNC Symbol;Acc:HGNC:24567]
83651	HMGN2P46				8	el high	h mobility group nucleosomal binding domain 2 pseudogene 46 [Source:HGNC mbol;Acc:HGNC:26817]
84434	NWD1				ક		CHT and WD repeat domain containing 1 [Source:HGNC Symbol;Acc:HGNC:27619]
85116	AHCTF1P1				8	e! AT-	hook containing transcription factor 1 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:24620]
38322	NLRP10				8	e! NLF	R family pyrin domain containing 10 [Source:HGNC Symbol;Acc:HGNC:21464]
42900	LEUTX				8	el leur	cine twenty homeobox [Source:HGNC Symbol;Acc:HGNC:31953]
74393	FAM111B				ક	e! fam	nily with sequence similarity 111 member B [Source:HGNC Symbol;Acc:HGNC:24200]
75196	AC019171.1				8	e! nov	vel transcript, antisense to ARHGEF33
376940	ZC3H6				ક	e! zinc	c finger CCCH-type containing 6 [Source:HGNC Symbol;Acc:HGNC:24762]
887082	SUMO4				ક	el sma	all ubiquitin like modifier 4 [Source:HGNC Symbol;Acc:HGNC:21181]
888336	SHISA6				ક	e! shis	sa family member 6 [Source:HGNC Symbol;Acc:HGNC:34491]
888722	C1orf53				ક	el chro	romosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:HGNC:30003]
90928	ACP7				ક	el acid	d phosphatase 7, tartrate resistant (putative) [Source:HGNC Symbol;Acc:HGNC:33781]
01152	C4orf3	+		++	ક	e! chro	romosome 4 open reading frame 3 [Source:HGNC Symbol;Acc:HGNC:19225]
103150	FLJ31356	+		++	ક		characterized protein FLJ31356 [Source:NCBI gene (formerly Entrezgene);Acc:403150]
104550	C16orf74	+	$\vdash$	++	s	-	omosome 16 open reading frame 74 [Source:HGNC Symbol;Acc:HGNC:23362]
140093	H3-5	+	$\vdash$		8		.5 histone [Source:HGNC Symbol;Acc:HGNC:33164]
780	NFE2L2	+		++	8		clear factor, erythroid 2 like 2 [Source:HGNC Symbol;Acc:HGNC:7782]
93900	TMEM9B-AS1	+	$\vdash$		8		IEM9B antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:19230]
51126	NAA20	+			8		alpha-acetyltransferase 20, NatB catalytic subunit [Source:HGNC Symbol;Acc:HGNC:15908]
51188	SS18L2	+		+	8		18 like 2 [Source:HGNC Symbol;Acc:HGNC:15593]
1335	NGRN	+			8		ugrin, neurite outgrowth associated [Source:HGNC Symbol;Acc:HGNC:18077]
1631	LUC7L2	+			8		C7 like 2, pre-mRNA splicing factor [Source:HGNC Symbol;Acc:HGNC:21608]
4554	WDR5B	+		++	8		O repeat domain 5B [Source:HGNC Symbol;Acc:HGNC:17826]
4584	GNB1L	+	$\vdash$	++	8		protein subunit beta 1 like [Source:HGNC Symbol;Acc:HGNC:4397]
4729	NKX1-1	+	-		8	-	1 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:24975]
4915	YTHDF1	+		++	8		H N6-methyladenosine RNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:15867]
521	PPP2R2B	+	$\vdash$		8		tein phosphatase 2 regulatory subunit Bbeta [Source:HGNC Symbol;Acc:HGNC:9305]
6521	DNAJC12	+	$\vdash$	++	8		aJ heat shock protein family (Hsp40) member C12 [Source:HGNC Symbol;Acc:HGNC:28908]
57408	LRTM1			++	8		cine rich repeats and transmembrane domains 1 [Source:HGNC Symbol;Acc:HGNC:25023]

64207	IRF2BPL	8	el int	nterferon regulatory factor 2 binding protein like [Source:HGNC Symbol;Acc:HGNC:14282]
644619	INTS4P2	8	el int	ntegrator complex subunit 4 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:22351]
645520	FAM138A	8	el fai	amily with sequence similarity 138 member A [Source:HGNC Symbol;Acc:HGNC:32334]
64855	NIBAN2	8	el nit	iban apoptosis regulator 2 [Source:HGNC Symbol;Acc:HGNC:25282]
64863	METTL4	8	el me	nethyltransferase like 4 [Source:HGNC Symbol;Acc:HGNC:24726]
664	BNIP3	8	el Bo	CL2 interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:1084]
664709	HNRNPA1P10	8		eterogeneous nuclear ribonucleoprotein A1 pseudogene 10 [Source:HGNC ymbol;Acc:HGNC:39128]
678	ZFP36L2	8	e! ZF	FP36 ring finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:1108]
6832	SUPV3L1	ខ	el Sı	uv3 like RNA helicase [Source:HGNC Symbol;Acc:HGNC:11471]
6953	TCP10L3	8	el t−c	complex 10 like 3, pseudogene [Source:HGNC Symbol;Acc:HGNC:11656]
79968	WDR76	8	e! w	/D repeat domain 76 [Source:HGNC Symbol;Acc:HGNC:25773]
80020	FOXRED2	ខ	e! FA	AD dependent oxidoreductase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:26264]
83596	BCL2L12	8	el Bo	CL2 like 12 [Source:HGNC Symbol;Acc:HGNC:13787]
84240	ZCCHC9	8	el zir	inc finger CCHC-type containing 9 [Source:HGNC Symbol;Acc:HGNC:25424]
85460	ZNF518B	ខ	el zir	inc finger protein 518B [Source:HGNC Symbol;Acc:HGNC:29365]
8603	FAM193A	ន	el fai	amily with sequence similarity 193 member A [Source:HGNC Symbol;Acc:HGNC:16822]
8653	DDX3Y	8	el DE	EAD-box helicase 3 Y-linked [Source:HGNC Symbol;Acc:HGNC:2699]
8857	FCGBP	8	el Fo	c fragment of IgG binding protein [Source:HGNC Symbol;Acc:HGNC:13572]
8872	CDC123	8	el ce	ell division cycle 123 [Source:HGNC Symbol;Acc:HGNC:16827]
91464	ISX	8	el int	ntestine specific homeobox [Source:HGNC Symbol;Acc:HGNC:28084]
91748	MIDEAS	8	<i>e</i> ℓ mi	nitotic deacetylase associated SANT domain protein [Source:HGNC Symbol;Acc:HGNC:19853]
92241	RCSD1	8	e! RO	CSD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28310]
9238	TBRG4	8	<b>€</b> tra	ansforming growth factor beta regulator 4 [Source:HGNC Symbol;Acc:HGNC:17443]
9274	BCL7C	8	<i>e!</i> ви	AF chromatin remodeling complex subunit BCL7C [Source:HGNC Symbol;Acc:HGNC:1006]
9308	CD83	8	e! CI	:D83 molecule [Source:HGNC Symbol;Acc:HGNC:1703]
9479	MAPK8IP1	8	<i>e</i> ! mi	nitogen-activated protein kinase 8 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:6882]
9528	TMEM59	ક	e! tra	ansmembrane protein 59 [Source:HGNC Symbol;Acc:HGNC:1239]

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