

DAVID 6.8 - Gene Functional Classification Result - SET-1 - 312

214 genes from the list of 312 are not in the output.
6 groups were identified.

Options

Classification Stringency: Medium

Kappa Similarity

Similarity Term Overlap 4



Similarity Threshold 0.3

Classification

Initial Group Membership 4

Final Group Membership 4

Multiple Linkage Threshold 0.5

Gene Group 1		Enrichment Score: 15.51	RG		
1	MAD2L1	MAD2 mitotic arrest deficient-like 1 (yeast)(MAD2L1)			
2	SPAG5	sperm associated antigen 5(SPAG5)			
3	NCAPH	non-SMC condensin I complex subunit H(NCAPH)			
4	TPX2	TPX2, microtubule nucleation factor(TPX2)			
5	HJURP	Holliday junction recognition protein(HJURP)			
6	KNSTRN	kinetochore localized astrin/SPAG5 binding protein(KNSTRN)			
7	CDCA3	cell division cycle associated 3(CDCA3)			
8	PRC1	protein regulator of cytokinesis 1(PRC1)			
9	MAPRE2	microtubule associated protein RP/EB family member 2(MAPRE2)			
10	PSRC1	proline and serine rich coiled-coil 1(PSRC1)			
11	CEP85	centrosomal protein 85(CEP85)			
12	HYLS1	HYLS1, centriolar and ciliogenesis associated(HYLS1)			
13	CKAP2L	cytoskeleton associated protein 2 like(CKAP2L)			
14	NUF2	NUF2, NDC80 kinetochore complex component(NUF2)			
15	NUSAP1	nucleolar and spindle associated protein 1(NUSAP1)			
16	ERCC6L	ERCC excision repair 6 like, spindle assembly checkpoint helicase(ERCC6L)			
17	FAM83D	family with sequence similarity 83 member D(FAM83D)			
18	SKA3	spindle and kinetochore associated complex subunit 3(SKA3)			
19	CDCA8	cell division cycle associated 8(CDCA8)			
20	OIP5	Opa interacting protein 5(OIP5)			
21	DLGAP5	DLG associated protein 5(DLGAP5)			
22	KIF2C	kinesin family member 2C(KIF2C)			
23	FAM64A	family with sequence similarity 64 member A(FAM64A)			
24	CDCA2	cell division cycle associated 2(CDCA2)			
25	SAPCD2	suppressor APC domain containing 2(SAPCD2)			

Gene Group 2**Enrichment Score:**
12.71**RG**

1	HIST1H4H	histone cluster 1 H4 family member h(HIST1H4H)
2	HIST1H1C	histone cluster 1 H1 family member c(HIST1H1C)
3	HIST1H4D	histone cluster 1 H4 family member d(HIST1H4D)
4	HIST1H3B	histone cluster 1 H3 family member b(HIST1H3B)
5	HIST1H2AG	histone cluster 1 H2A family member g(HIST1H2AG)
6	HIST1H3G	histone cluster 1 H3 family member g(HIST1H3G)
7	HIST1H3C	histone cluster 1 H3 family member c(HIST1H3C)
8	HIST1H2BC	histone cluster 1 H2B family member c(HIST1H2BC)
9	HIST1H2BI	histone cluster 1 H2B family member i(HIST1H2BI)
10	HIST1H2BH	histone cluster 1 H2B family member h(HIST1H2BH)
11	CENPA	centromere protein A(CENPA)
12	HIST1H2BF	histone cluster 1 H2B family member f(HIST1H2BF)
13	HIST1H2BN	histone cluster 1 H2B family member n(HIST1H2BN)
14	HIST1H2BL	histone cluster 1 H2B family member l(HIST1H2BL)
15	HIST1H2BG	histone cluster 1 H2B family member g(HIST1H2BG)
16	HIST2H2AC	histone cluster 2 H2A family member c(HIST2H2AC)
17	HIST1H2AL	histone cluster 1 H2A family member l(HIST1H2AL)
18	HIST1H2AK	histone cluster 1 H2A family member k(HIST1H2AK)
19	HIST1H2BB	histone cluster 1 H2B family member b(HIST1H2BB)
20	HIST2H2AB	histone cluster 2 H2A family member b(HIST2H2AB)
21	HIST1H2AE	histone cluster 1 H2A family member e(HIST1H2AE)

Gene Group 3**Enrichment Score: 8.56** [RG](#)

- 1 UBE2C [ubiquitin conjugating enzyme E2 C\(UBE2C\)](#)
- 2 BUB1B [BUB1 mitotic checkpoint serine/threonine kinase B\(BUB1B\)](#)
- 3 MAD2L1 [MAD2 mitotic arrest deficient-like 1 \(yeast\)\(MAD2L1\)](#)
- 4 CDC20 [cell division cycle 20\(CDC20\)](#)

Gene Group 4**Enrichment Score: 8.12****RG**

1	TNIK	TRAF2 and NCK interacting kinase(TNIK)
2	CDK1	cyclin dependent kinase 1(CDK1)
3	NEK2	NIMA related kinase 2(NEK2)
4	PLK1	polo like kinase 1(PLK1)
5	BUB1B	BUB1 mitotic checkpoint serine/threonine kinase B(BUB1B)
6	KIF2C	kinesin family member 2C(KIF2C)
7	BUB1	BUB1 mitotic checkpoint serine/threonine kinase(BUB1)
8	SGK1	serum/glucocorticoid regulated kinase 1(SGK1)
9	PBK	PDZ binding kinase(PBK)
10	AURKA	aurora kinase A(AURKA)
11	TTK	TTK protein kinase(TTK)
12	DCLK1	doublecortin like kinase 1(DCLK1)

Gene Group 5**Enrichment Score: 7.94** **RG**

1	KIF14	kinesin family member 14(KIF14)
2	CENPE	centromere protein E(CENPE)
3	KIF2C	kinesin family member 2C(KIF2C)
4	KIF20A	kinesin family member 20A(KIF20A)
5	KIF18A	kinesin family member 18A(KIF18A)
6	KIF23	kinesin family member 23(KIF23)

Gene Group 6**Enrichment Score: 2.25****RG**

1	ZFX	zinc finger protein, X-linked(ZFX)
2	SALL1	spalt like transcription factor 1(SALL1)
3	ZNF480	zinc finger protein 480(ZNF480)
4	ZNF143	zinc finger protein 143(ZNF143)
5	ZNF184	zinc finger protein 184(ZNF184)
6	ZNF789	zinc finger protein 789(ZNF789)
7	ZBTB2	zinc finger and BTB domain containing 2(ZBTB2)
8	ZNF367	zinc finger protein 367(ZNF367)
9	KLF6	Kruppel like factor 6(KLF6)
10	ZNF267	zinc finger protein 267(ZNF267)

Gene List Report
Current Background: Homo sapiens
288 DAVID IDs of 312

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
ABCB1	ATP binding cassette subfamily B member 1(ABCB1)	RG	Homo sapiens
ACTL6A	actin like 6A(ACTL6A)	RG	Homo sapiens
ADM2	adrenomedullin 2(ADM2)	RG	Homo sapiens
AKR1C2	aldo-keto reductase family 1 member C2(AKR1C2)	RG	Homo sapiens
ANK3	ankyrin 3(ANK3)	RG	Homo sapiens
APOLD1	apolipoprotein L domain containing 1(APOLD1)	RG	Homo sapiens
ARL6IP1	ADP ribosylation factor like GTPase 6 interacting protein 1(ARL6IP1)	RG	Homo sapiens
ASPM	abnormal spindle microtubule assembly(ASPM)	RG	Homo sapiens
ASS1	argininosuccinate synthase 1(ASS1)	RG	Homo sapiens
ATAD3C	ATPase family, AAA domain containing 3C(ATAD3C)	RG	Homo sapiens
ATF1	activating transcription factor 1(ATF1)	RG	Homo sapiens
ATG3	autophagy related 3(ATG3)	RG	Homo sapiens
ATP11B	ATPase phospholipid transporting 11B (putative)(ATP11B)	RG	Homo sapiens
AURKA	aurora kinase A(AURKA)	RG	Homo sapiens
AUTS2	autism susceptibility candidate 2(AUTS2)	RG	Homo sapiens
BCYRN1	brain cytoplasmic RNA 1(BCYRN1)	RG	Homo sapiens
BRIX1	BRX1, biogenesis of ribosomes(BRIX1)	RG	Homo sapiens
BUB1	BUB1 mitotic checkpoint serine/threonine kinase(BUB1)	RG	Homo sapiens
BUB1B	BUB1 mitotic checkpoint serine/threonine kinase B(BUB1B)	RG	Homo sapiens
C4orf48	chromosome 4 open reading frame 48(C4orf48)	RG	Homo sapiens
CACNG8	calcium voltage-gated channel auxiliary	RG	Homo

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
	subunit gamma 8(CACNG8)		sapiens
CAPN10-AS1	CAPN10 antisense RNA 1 (head to head)(CAPN10-AS1)	RG	Homo sapiens
CAV1	caveolin 1(CAV1)	RG	Homo sapiens
CCNA2	cyclin A2(CCNA2)	RG	Homo sapiens
CCNB1	cyclin B1(CCNB1)	RG	Homo sapiens
CCNB2	cyclin B2(CCNB2)	RG	Homo sapiens
CDC20	cell division cycle 20(CDC20)	RG	Homo sapiens
CDC25C	cell division cycle 25C(CDC25C)	RG	Homo sapiens
CDCA2	cell division cycle associated 2(CDCA2)	RG	Homo sapiens
CDCA3	cell division cycle associated 3(CDCA3)	RG	Homo sapiens
CDCA8	cell division cycle associated 8(CDCA8)	RG	Homo sapiens
CDH17	cadherin 17(CDH17)	RG	Homo sapiens
CDK1	cyclin dependent kinase 1(CDK1)	RG	Homo sapiens
CDK6	cyclin dependent kinase 6(CDK6)	RG	Homo sapiens
CDKN2C	cyclin dependent kinase inhibitor 2C(CDKN2C)	RG	Homo sapiens
CDKN3	cyclin dependent kinase inhibitor 3(CDKN3)	RG	Homo sapiens
CENPA	centromere protein A(CENPA)	RG	Homo sapiens
CENPE	centromere protein E(CENPE)	RG	Homo sapiens
CEP55	centrosomal protein 55(CEP55)	RG	Homo sapiens
CEP85	centrosomal protein 85(CEP85)	RG	Homo sapiens
CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7(CHCHD7)	RG	Homo sapiens
CKAP2L	cytoskeleton associated protein 2 like(CKAP2L)	RG	Homo sapiens
CKS2	CDC28 protein kinase regulatory subunit 2(CKS2)	RG	Homo sapiens

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
CLIP3	CAP-Gly domain containing linker protein 3(CLIP3)	RG	Homo sapiens
COPS3	COP9 signalosome subunit 3(COPS3)	RG	Homo sapiens
CRIM1	cysteine rich transmembrane BMP regulator 1(CRIM1)	RG	Homo sapiens
CSE1L	chromosome segregation 1 like(CSE1L)	RG	Homo sapiens
CSRNP2	cysteine and serine rich nuclear protein 2(CSRNP2)	RG	Homo sapiens
CTGF	connective tissue growth factor(CTGF)	RG	Homo sapiens
CTTNBP2	cortactin binding protein 2(CTTNBP2)	RG	Homo sapiens
CXCL1	C-X-C motif chemokine ligand 1(CXCL1)	RG	Homo sapiens
CYR61	cysteine rich angiogenic inducer 61(CYR61)	RG	Homo sapiens
DCLK1	doublecortin like kinase 1(DCLK1)	RG	Homo sapiens
DDX21	DEXD-box helicase 21(DDX21)	RG	Homo sapiens
DEPDC1	DEP domain containing 1(DEPDC1)	RG	Homo sapiens
DHRS11	dehydrogenase/reductase 11(DHRS11)	RG	Homo sapiens
DIMT1	DIM1 dimethyladenosine transferase 1 homolog(DIMT1)	RG	Homo sapiens
DLEU2	deleted in lymphocytic leukemia 2 (non-protein coding)(DLEU2)	RG	Homo sapiens
DLGAP5	DLG associated protein 5(DLGAP5)	RG	Homo sapiens
DNAH8	dynein axonemal heavy chain 8(DNAH8)	RG	Homo sapiens
DNAJC8	DnaJ heat shock protein family (Hsp40) member C8(DNAJC8)	RG	Homo sapiens
DPYSL3	dihydropyrimidinase like 3(DPYSL3)	RG	Homo sapiens
DUSP1	dual specificity phosphatase 1(DUSP1)	RG	Homo sapiens
E2F5	E2F transcription factor 5(E2F5)	RG	Homo sapiens
EBLN2	endogenous Bornavirus-like nucleoprotein 2(EBLN2)	RG	Homo sapiens
EEF1A1P5	eukaryotic translation elongation factor 1	RG	Homo

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
	alpha 1 pseudogene 5(EEF1A1P5)		sapiens
ELMO1	engulfment and cell motility 1(ELMO1)	RG	Homo sapiens
ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2(ENPP2)	RG	Homo sapiens
EPC1	enhancer of polycomb homolog 1(EPC1)	RG	Homo sapiens
ERAP1	endoplasmic reticulum aminopeptidase 1(ERAP1)	RG	Homo sapiens
ERCC6L	ERCC excision repair 6 like, spindle assembly checkpoint helicase(ERCC6L)	RG	Homo sapiens
FABP4	fatty acid binding protein 4(FABP4)	RG	Homo sapiens
FABP5	fatty acid binding protein 5(FABP5)	RG	Homo sapiens
FAM64A	family with sequence similarity 64 member A(FAM64A)	RG	Homo sapiens
FAM72A	family with sequence similarity 72 member A(FAM72A)	RG	Homo sapiens
FAM83D	family with sequence similarity 83 member D(FAM83D)	RG	Homo sapiens
FOPNL	FGFR1OP N-terminal like(FOPNL)	RG	Homo sapiens
FOS	Fos proto-oncogene, AP-1 transcription factor subunit(FOS)	RG	Homo sapiens
FOSB	FosB proto-oncogene, AP-1 transcription factor subunit(FOSB)	RG	Homo sapiens
FOSL2	FOS like 2, AP-1 transcription factor subunit(FOSL2)	RG	Homo sapiens
FOXO1	forkhead box O1(FOXO1)	RG	Homo sapiens
FTH1	ferritin heavy chain 1(FTH1)	RG	Homo sapiens
GAS2L3	growth arrest specific 2 like 3(GAS2L3)	RG	Homo sapiens
GNB3	G protein subunit beta 3(GNB3)	RG	Homo sapiens
GPSM2	G-protein signaling modulator 2(GPSM2)	RG	Homo sapiens
HDAC9	histone deacetylase 9(HDAC9)	RG	Homo sapiens
HES1	hes family bHLH transcription factor 1(HES1)	RG	Homo sapiens
HIST1H1C	histone cluster 1 H1 family member	RG	Homo

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
	c(HIST1H1C)		sapiens
HIST1H2AE	histone cluster 1 H2A family member e(HIST1H2AE)	RG	Homo sapiens
HIST1H2AG	histone cluster 1 H2A family member g(HIST1H2AG)	RG	Homo sapiens
HIST1H2AK	histone cluster 1 H2A family member k(HIST1H2AK)	RG	Homo sapiens
HIST1H2AL	histone cluster 1 H2A family member l(HIST1H2AL)	RG	Homo sapiens
HIST1H2BB	histone cluster 1 H2B family member b(HIST1H2BB)	RG	Homo sapiens
HIST1H2BC	histone cluster 1 H2B family member c(HIST1H2BC)	RG	Homo sapiens
HIST1H2BF	histone cluster 1 H2B family member f(HIST1H2BF)	RG	Homo sapiens
HIST1H2BG	histone cluster 1 H2B family member g(HIST1H2BG)	RG	Homo sapiens
HIST1H2BH	histone cluster 1 H2B family member h(HIST1H2BH)	RG	Homo sapiens
HIST1H2BI	histone cluster 1 H2B family member i(HIST1H2BI)	RG	Homo sapiens
HIST1H2BL	histone cluster 1 H2B family member l(HIST1H2BL)	RG	Homo sapiens
HIST1H2BN	histone cluster 1 H2B family member n(HIST1H2BN)	RG	Homo sapiens
HIST1H3B	histone cluster 1 H3 family member b(HIST1H3B)	RG	Homo sapiens
HIST1H3C	histone cluster 1 H3 family member c(HIST1H3C)	RG	Homo sapiens
HIST1H3G	histone cluster 1 H3 family member g(HIST1H3G)	RG	Homo sapiens
HIST1H4D	histone cluster 1 H4 family member d(HIST1H4D)	RG	Homo sapiens
HIST1H4H	histone cluster 1 H4 family member h(HIST1H4H)	RG	Homo sapiens
HIST2H2AB	histone cluster 2 H2A family member b(HIST2H2AB)	RG	Homo sapiens
HIST2H2AC	histone cluster 2 H2A family member c(HIST2H2AC)	RG	Homo sapiens
HJURP	Holliday junction recognition protein(HJURP)	RG	Homo sapiens
HMGB2	high mobility group box 2(HMGB2)	RG	Homo sapiens
HMMR	hyaluronan mediated motility receptor(HMMR)	RG	Homo sapiens

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
HSP90AA1	heat shock protein 90 alpha family class A member 1(HSP90AA1)	RG	Homo sapiens
HSPH1	heat shock protein family H (Hsp110) member 1(HSPH1)	RG	Homo sapiens
HYLS1	HYLS1, centriolar and ciliogenesis associated(HYLS1)	RG	Homo sapiens
ID1	inhibitor of DNA binding 1, HLH protein(ID1)	RG	Homo sapiens
ID2	inhibitor of DNA binding 2, HLH protein(ID2)	RG	Homo sapiens
ISG15	ISG15 ubiquitin-like modifier(ISG15)	RG	Homo sapiens
JPH1	junctophilin 1(JPH1)	RG	Homo sapiens
JUN	Jun proto-oncogene, AP-1 transcription factor subunit(JUN)	RG	Homo sapiens
KBTBD2	kelch repeat and BTB domain containing 2(KBTBD2)	RG	Homo sapiens
KBTBD8	kelch repeat and BTB domain containing 8(KBTBD8)	RG	Homo sapiens
KCNQ1OT1	KCNQ1 opposite strand/antisense transcript 1 (non-protein coding)(KCNQ1OT1)	RG	Homo sapiens
KIF14	kinesin family member 14(KIF14)	RG	Homo sapiens
KIF18A	kinesin family member 18A(KIF18A)	RG	Homo sapiens
KIF20A	kinesin family member 20A(KIF20A)	RG	Homo sapiens
KIF23	kinesin family member 23(KIF23)	RG	Homo sapiens
KIF2C	kinesin family member 2C(KIF2C)	RG	Homo sapiens
KLF6	Kruppel like factor 6(KLF6)	RG	Homo sapiens
KNSTRN	kinetochore localized astrin/SPAG5 binding protein(KNSTRN)	RG	Homo sapiens
KPNA2	karyopherin subunit alpha 2(KPNA2)	RG	Homo sapiens
LDHA	lactate dehydrogenase A(LDHA)	RG	Homo sapiens
LIN9	lin-9 DREAM MuvB core complex component(LIN9)	RG	Homo sapiens
LINC00342	long intergenic non-protein coding RNA 342(LINC00342)	RG	Homo sapiens

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
LINC00685	long intergenic non-protein coding RNA 685(LINC00685)	RG	Homo sapiens
LMO7	LIM domain 7(LMO7)	RG	Homo sapiens
LRIG3	leucine rich repeats and immunoglobulin like domains 3(LRIG3)	RG	Homo sapiens
LRP1	LDL receptor related protein 1(LRP1)	RG	Homo sapiens
LUZP1	leucine zipper protein 1(LUZP1)	RG	Homo sapiens
LY6H	lymphocyte antigen 6 complex, locus H(LY6H)	RG	Homo sapiens
MAD2L1	MAD2 mitotic arrest deficient-like 1 (yeast)(MAD2L1)	RG	Homo sapiens
MAPRE2	microtubule associated protein RP/EB family member 2(MAPRE2)	RG	Homo sapiens
MEG3	maternally expressed 3 (non-protein coding)(MEG3)	RG	Homo sapiens
MIAT	myocardial infarction associated transcript (non-protein coding)(MIAT)	RG	Homo sapiens
MIR222HG	MIR222 host gene(MIR222HG)	RG	Homo sapiens
MIR663AHG	MIR663A host gene(MIR663AHG)	RG	Homo sapiens
MKX	mohawk homeobox(MKX)	RG	Homo sapiens
MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1(MLC1)	RG	Homo sapiens
MPP4	membrane palmitoylated protein 4(MPP4)	RG	Homo sapiens
MSL2	male-specific lethal 2 homolog (Drosophila)(MSL2)	RG	Homo sapiens
MTCO2P22	mitochondrially encoded cytochrome c oxidase II pseudogene 22(MTCO2P22)	RG	Homo sapiens
MTND1P23	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 1 pseudogene 23(MTND1P23)	RG	Homo sapiens
MTND2P28	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 2 pseudogene 28(MTND2P28)	RG	Homo sapiens
MTND5P11	mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 5 pseudogene 11(MTND5P11)	RG	Homo sapiens
MTRNR2L13	MT-RNR2-like 13(MTRNR2L13)	RG	Homo sapiens
MUC19	mucin 19, oligomeric(MUC19)	RG	Homo

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
			sapiens
MYC	v-myc avian myelocytomatosis viral oncogene homolog(MYC)	RG	Homo sapiens
NBPF10	neuroblastoma breakpoint family member 10(NBPF10)	RG	Homo sapiens
NCAPD3	non-SMC condensin II complex subunit D3(NCAPD3)	RG	Homo sapiens
NCAPH	non-SMC condensin I complex subunit H(NCAPH)	RG	Homo sapiens
NCOR2	nuclear receptor corepressor 2(NCOR2)	RG	Homo sapiens
NDC1	NDC1 transmembrane nucleoporin(NDC1)	RG	Homo sapiens
NEAT1	nuclear paraspeckle assembly transcript 1 (non-protein coding)(NEAT1)	RG	Homo sapiens
NEK2	NIMA related kinase 2(NEK2)	RG	Homo sapiens
NOP16	NOP16 nucleolar protein(NOP16)	RG	Homo sapiens
NPAT	nuclear protein, coactivator of histone transcription(NPAT)	RG	Homo sapiens
NPM1P5	nucleophosmin 1 pseudogene 5(NPM1P5)	RG	Homo sapiens
NPW	neuropeptide W(NPW)	RG	Homo sapiens
NRIP1	nuclear receptor interacting protein 1(NRIP1)	RG	Homo sapiens
NRXN3	neurexin 3(NRXN3)	RG	Homo sapiens
NSDHL	NAD(P) dependent steroid dehydrogenase-like(NSDHL)	RG	Homo sapiens
NUF2	NUF2, NDC80 kinetochore complex component(NUF2)	RG	Homo sapiens
NUP35	nucleoporin 35(NUP35)	RG	Homo sapiens
NUSAP1	nucleolar and spindle associated protein 1(NUSAP1)	RG	Homo sapiens
OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF(OBSCN)	RG	Homo sapiens
OIP5	Opa interacting protein 5(OIP5)	RG	Homo sapiens
P3H2	prolyl 3-hydroxylase 2(P3H2)	RG	Homo sapiens
PBK	PDZ binding kinase(PBK)	RG	Homo sapiens

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
PDZD7	PDZ domain containing 7(PDZD7)	RG	Homo sapiens
PGM5P2	phosphoglucomutase 5 pseudogene 2(PGM5P2)	RG	Homo sapiens
PLEKHF2	pleckstrin homology and FYVE domain containing 2(PLEKHF2)	RG	Homo sapiens
PLK1	polo like kinase 1(PLK1)	RG	Homo sapiens
PLXNA3	plexin A3(PLXNA3)	RG	Homo sapiens
PNPT1	polyribonucleotide nucleotidyltransferase 1(PNPT1)	RG	Homo sapiens
POPDC3	popeye domain containing 3(POPDC3)	RG	Homo sapiens
PRC1	protein regulator of cytokinesis 1(PRC1)	RG	Homo sapiens
PRPS1	phosphoribosyl pyrophosphate synthetase 1(PRPS1)	RG	Homo sapiens
PSRC1	proline and serine rich coiled-coil 1(PSRC1)	RG	Homo sapiens
PTPRD	protein tyrosine phosphatase, receptor type D(PTPRD)	RG	Homo sapiens
PWWP2A	PWWP domain containing 2A(PWWP2A)	RG	Homo sapiens
RACGAP1	Rac GTPase activating protein 1(RACGAP1)	RG	Homo sapiens
RALGAPA2	Ral GTPase activating protein catalytic alpha subunit 2(RALGAPA2)	RG	Homo sapiens
RANGAP1	Ran GTPase activating protein 1(RANGAP1)	RG	Homo sapiens
RHOBTB3	Rho related BTB domain containing 3(RHOBTB3)	RG	Homo sapiens
RN7SKP160	RNA, 7SK small nuclear pseudogene 160(RN7SKP160)	RG	Homo sapiens
RN7SKP9	RNA, 7SK small nuclear pseudogene 9(RN7SKP9)	RG	Homo sapiens
RN7SL107P	RNA, 7SL, cytoplasmic 107, pseudogene(RN7SL107P)	RG	Homo sapiens
RN7SL118P	RNA, 7SL, cytoplasmic 118, pseudogene(RN7SL118P)	RG	Homo sapiens
RN7SL181P	RNA, 7SL, cytoplasmic 181, pseudogene(RN7SL181P)	RG	Homo sapiens
RNF139-AS1	RNF139 antisense RNA 1 (head to head)(RNF139-AS1)	RG	Homo sapiens
RNF26	ring finger protein 26(RNF26)	RG	Homo

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
			sapiens
RNU1-11P	RNA, U1 small nuclear 11, pseudogene(RNU1-11P)	RG	Homo sapiens
RNU1-42P	RNA, U1 small nuclear 42, pseudogene(RNU1-42P)	RG	Homo sapiens
RNU1-77P	RNA, U1 small nuclear 77, pseudogene(RNU1-77P)	RG	Homo sapiens
RNU11	RNA, U11 small nuclear(RNU11)	RG	Homo sapiens
RNU12	RNA, U12 small nuclear(RNU12)	RG	Homo sapiens
RNU4-2	RNA, U4 small nuclear 2(RNU4-2)	RG	Homo sapiens
RNU5A-1	RNA, U5A small nuclear 1(RNU5A-1)	RG	Homo sapiens
RNU5B-1	RNA, U5B small nuclear 1(RNU5B-1)	RG	Homo sapiens
RNU5E-1	RNA, U5E small nuclear 1(RNU5E-1)	RG	Homo sapiens
RNVU1-17	RNA, variant U1 small nuclear 17(RNVU1-17)	RG	Homo sapiens
RNVU1-6	RNA, variant U1 small nuclear 6(RNVU1-6)	RG	Homo sapiens
RNY1	RNA, Ro-associated Y1(RNY1)	RG	Homo sapiens
RNY1P13	RNA, Ro-associated Y1 pseudogene 13(RNY1P13)	RG	Homo sapiens
RNY3	RNA, Ro-associated Y3(RNY3)	RG	Homo sapiens
RORB	RAR related orphan receptor B(RORB)	RG	Homo sapiens
RPL28	ribosomal protein L28(RPL28)	RG	Homo sapiens
RPS24P8	ribosomal protein S24 pseudogene 8(RPS24P8)	RG	Homo sapiens
RPS28	ribosomal protein S28(RPS28)	RG	Homo sapiens
RPS6P25	ribosomal protein S6 pseudogene 25(RPS6P25)	RG	Homo sapiens
RRM2	ribonucleotide reductase regulatory subunit M2(RRM2)	RG	Homo sapiens
RRS1-AS1	RRS1 antisense RNA 1 (head to head)(RRS1-AS1)	RG	Homo sapiens
RSBN1	round spermatid basic protein 1(RSBN1)	RG	Homo sapiens

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
RUNDC3B	RUN domain containing 3B(RUNDC3B)	RG	Homo sapiens
RYR1	ryanodine receptor 1(RYR1)	RG	Homo sapiens
SALL1	spalt like transcription factor 1(SALL1)	RG	Homo sapiens
SAPCD2	suppressor APC domain containing 2(SAPCD2)	RG	Homo sapiens
SCARNA12	small Cajal body-specific RNA 12(SCARNA12)	RG	Homo sapiens
SCARNA8	small Cajal body-specific RNA 8(SCARNA8)	RG	Homo sapiens
SELENBP1	selenium binding protein 1(SELENBP1)	RG	Homo sapiens
SETP14	SET pseudogene 14(SETP14)	RG	Homo sapiens
SGK1	serum/glucocorticoid regulated kinase 1(SGK1)	RG	Homo sapiens
SKA3	spindle and kinetochore associated complex subunit 3(SKA3)	RG	Homo sapiens
SLC14A1	solute carrier family 14 member 1 (Kidd blood group)(SLC14A1)	RG	Homo sapiens
SLC25A17	solute carrier family 25 member 17(SLC25A17)	RG	Homo sapiens
SLC4A3	solute carrier family 4 member 3(SLC4A3)	RG	Homo sapiens
SMAD7	SMAD family member 7(SMAD7)	RG	Homo sapiens
SNHG25	small nucleolar RNA host gene 25(SNHG25)	RG	Homo sapiens
SNORA28	small nucleolar RNA, H/ACA box 28(SNORA28)	RG	Homo sapiens
SNORA38	small nucleolar RNA, H/ACA box 38(SNORA38)	RG	Homo sapiens
SNORA53	small nucleolar RNA, H/ACA box 53(SNORA53)	RG	Homo sapiens
SNORA66	small nucleolar RNA, H/ACA box 66(SNORA66)	RG	Homo sapiens
SNORA71A	small nucleolar RNA, H/ACA box 71A(SNORA71A)	RG	Homo sapiens
SNORD14E	small nucleolar RNA, C/D box 14E(SNORD14E)	RG	Homo sapiens
SNORD17	small nucleolar RNA, C/D box 17(SNORD17)	RG	Homo sapiens
SNORD3A	small nucleolar RNA, C/D box	RG	Homo

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
	3A(SNORD3A)		sapiens
SNORD41	small nucleolar RNA, C/D box 41(SNORD41)	RG	Homo sapiens
SNORD71	small nucleolar RNA, C/D box 71(SNORD71)	RG	Homo sapiens
SOCS5	suppressor of cytokine signaling 5(SOCS5)	RG	Homo sapiens
SORD	sorbitol dehydrogenase(SORD)	RG	Homo sapiens
SPAG5	sperm associated antigen 5(SPAG5)	RG	Homo sapiens
SPRY4	sprouty RTK signaling antagonist 4(SPRY4)	RG	Homo sapiens
STOM	stomatin(STOM)	RG	Homo sapiens
SYT2	synaptotagmin 2(SYT2)	RG	Homo sapiens
TBC1D4	TBC1 domain family member 4(TBC1D4)	RG	Homo sapiens
TFPI2	tissue factor pathway inhibitor 2(TFPI2)	RG	Homo sapiens
TGFBI	transforming growth factor beta induced(TGFBI)	RG	Homo sapiens
TIPARP	TCDD inducible poly(ADP-ribose) polymerase(TIPARP)	RG	Homo sapiens
TMEM97	transmembrane protein 97(TMEM97)	RG	Homo sapiens
TMPO	thymopoietin(TMPO)	RG	Homo sapiens
TMPO-AS1	TMPO antisense RNA 1(TMPO-AS1)	RG	Homo sapiens
TMX2	thioredoxin related transmembrane protein 2(TMX2)	RG	Homo sapiens
TNIK	TRAF2 and NCK interacting kinase(TNIK)	RG	Homo sapiens
TOP2A	topoisomerase (DNA) II alpha(TOP2A)	RG	Homo sapiens
TPX2	TPX2, microtubule nucleation factor(TPX2)	RG	Homo sapiens
TRAM1	translocation associated membrane protein 1(TRAM1)	RG	Homo sapiens
TRIP13	thyroid hormone receptor interactor 13(TRIP13)	RG	Homo sapiens
TTK	TTK protein kinase(TTK)	RG	Homo sapiens

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
TUBG1	tubulin gamma 1(TUBG1)	RG	Homo sapiens
TXNDC11	thioredoxin domain containing 11(TXNDC11)	RG	Homo sapiens
TXNDC12	thioredoxin domain containing 12(TXNDC12)	RG	Homo sapiens
UBE2C	ubiquitin conjugating enzyme E2 C(UBE2C)	RG	Homo sapiens
UBE2QL1	ubiquitin conjugating enzyme E2 Q family like 1(UBE2QL1)	RG	Homo sapiens
UBE2T	ubiquitin conjugating enzyme E2 T(UBE2T)	RG	Homo sapiens
USP42	ubiquitin specific peptidase 42(USP42)	RG	Homo sapiens
UTS2	urotensin 2(UTS2)	RG	Homo sapiens
VMP1	vacuole membrane protein 1(VMP1)	RG	Homo sapiens
WDR20	WD repeat domain 20(WDR20)	RG	Homo sapiens
WDR35	WD repeat domain 35(WDR35)	RG	Homo sapiens
WDR43	WD repeat domain 43(WDR43)	RG	Homo sapiens
WDR97	WD repeat domain 97(WDR97)	RG	Homo sapiens
ZBTB2	zinc finger and BTB domain containing 2(ZBTB2)	RG	Homo sapiens
ZC3H12C	zinc finger CCCH-type containing 12C(ZC3H12C)	RG	Homo sapiens
ZFX	zinc finger protein, X-linked(ZFX)	RG	Homo sapiens
ZNF143	zinc finger protein 143(ZNF143)	RG	Homo sapiens
ZNF184	zinc finger protein 184(ZNF184)	RG	Homo sapiens
ZNF267	zinc finger protein 267(ZNF267)	RG	Homo sapiens
ZNF367	zinc finger protein 367(ZNF367)	RG	Homo sapiens
ZNF480	zinc finger protein 480(ZNF480)	RG	Homo sapiens
ZNF789	zinc finger protein 789(ZNF789)	RG	Homo sapiens
RP11-113I24.1			

OFFICIAL_GENE_SYMBOL	Gene Name	Related Genes	Species
RP11-438B23.2			
RP5-875O13.1			
RP1-34B20.21			
LA16c-360H6.3			
RP11-178H8.7			
RP11-334C17.5			
bP-21264C1.2			
RP11-303E16.2			
CH17-373J23.1			
AC083843.1			
RP11-332M2.1			
FP236383.10			
AL355075.1			
CTD-3222D19.8			
RP11-481C4.2			
RP11-797A18.5			
RP11-863K10.7			
AC058791.1			
CTD-2287O16.1			
RP5-1198O20.4			