

Table S2. List of the 1791 GO terms derived by PANTHER analysis system based on proteomics analysis.

GO term	Gene ID	Name
PC00123	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5825 UniProtKB=A0A0C4DH25,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN Gene=KV311_HUMAN UniProtKB=P04433,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5877 UniProtKB=P01703,HUMAN HGNC=5834 UniProtKB=P06312,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=5759 UniProtKB=A0A087WSZ0,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5897 UniProtKB=A0A075B6K4,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN HGNC=5739 UniProtKB=A0A075B6S9,HUMAN HGNC=5880 UniProtKB=P01700,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5905 UniProtKB=P80748,HUMAN HGNC=5896 UniProtKB=P01715,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5836 UniProtKB=A0A0C4DH24,HUMAN HGNC=5895 UniProtKB=P01709,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5887 UniProtKB=P01706,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5746 UniProtKB=P01611,HUMAN HGNC=5821 UniProtKB=A0A075B6H7,HUMAN HGNC=5713 UniProtKB=P01591,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5889 UniProtKB=A0A075B6J9,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5730 UniProtKB=A0A0C4DH73,HUMAN HGNC=5527 UniProtKB=P01860,HUMAN HGNC=5783 UniProtKB=A0A075B6P5,HUMAN HGNC=5753 UniProtKB=P01593,HUMAN HGNC=5879 UniProtKB=P01699,HUMAN HGNC=5800 UniProtKB=A0A075B6S2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5742 UniProtKB=A0A0C4DH72,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=5816 UniProtKB=P01624,HUMAN HGNC=5910 UniProtKB=P01718,HUMAN HGNC=5931 UniProtKB=A0A075B6I0,HUMAN HGNC=5933 UniProtKB=A0A0B4J1Y8,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5890 UniProtKB=P01705,HUMAN HGNC=5732 UniProtKB=P04430,HUMAN HGNC=5733 UniProtKB=P01599,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5888 UniProtKB=P01704,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5927 UniProtKB=P01721,HUMAN HGNC=5918 UniProtKB=A0A075B6K5,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN HGNC=5781 UniProtKB=A0A0C4DH68,HUMAN HGNC=5930 UniProtKB=A0A075B6I9,HUMAN HGNC=5901 UniProtKB=A0A075B6K0,HUMAN HGNC=5743 UniProtKB=A0A0C4DH67,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN G	immunoglobulin

	ene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5756 UniProtKB=P04432,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5735 UniProtKB=A0A075B6S5,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5785 UniProtKB=P06310,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5898 UniProtKB=A0A075B6K2,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5929 UniProtKB=P04211,HUMAN HGNC=5882 UniProtKB=P01701,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5908 UniProtKB=P01717,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5741 UniProtKB=P01602,HUMAN HGNC=5817 UniProtKB=P01619	
GO:0009396	HUMAN HGNC=871 UniProtKB=Q9UII2 HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=12347 UniProtKB=Q9Y4A5,HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=10475 UniProtKB=Q9Y230 HUMAN HGNC=12488 UniProtKB=P68036,HUMAN HGNC=12491 UniProtKB=P61081,HUMAN HGNC=12492 UniProtKB=P61088,HUMAN HGNC=11617 UniProtKB=Q15369,HUMAN HGNC=12476 UniProtKB=P61077,HUMAN HGNC=2552 UniProtKB=Q13617,HUMAN HGNC=12475 UniProtKB=P62837,HUMAN HGNC=2551 UniProtKB=Q13616,HUMAN HGNC=12494 UniProtKB=Q13404,HUMAN HGNC=17598 UniProtKB=Q9Y385	folic acid-containing compound biosynthetic process  NuA4 histone acetyltransferase complex
GO:0004842		ubiquitin-protein transferase activity regulation of protein-containing complex assembly
GO:0043254	HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=10534 UniProtKB=Q9NR31 HUMAN HGNC=25758 UniProtKB=Q8TED0,HUMAN HGNC=2717 UniProtKB=Q16531	RNA processing factor
PC00147	HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=9406 UniProtKB=Q16513,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=30765 UniProtKB=Q9UKE5,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=9395 UniProtKB=P05771,HUMAN HGNC=18994 UniProtKB=Q8TDC3,HUMAN HGNC=10432 UniProtKB=P51812,HUMAN HGNC=1459 UniProtKB=Q14012,HUMAN HGNC=11408 UniProtKB=Q13043,HUMAN HGNC=30410 UniProtKB=Q9BXA6,HUMAN HGNC=7590 UniProtKB=Q15746,HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=20292 UniProtKB=Q9Y376,HUMAN HGNC=19825 UniProtKB=Q6SA08,HUMAN HGNC=9381 UniProtKB=P22694,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=1745 UniProtKB=O00311,HUMAN HGNC=1738 UniProtKB=Q9Y5S2 HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=8527 UniProtKB=P55809,HUMAN HGNC=12388 UniProtKB=Q16762,HUMAN HGNC=7223 UniProtKB=P25325	protein serine/threonine kinase activity
GO:0016740		transferase activity

	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=2949 UniProtKB=Q8TD57,HUMAN HGNC=26555 UniProtKB=Q3SY00,HUMAN HGNC=20908 UniProtKB=Q86YF9,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=19747 UniProtKB=Q86UK5,HUMAN HGNC=14906 UniProtKB=Q8N4C6,HUMAN HGNC=26664 UniProtKB=Q8N841,HUMAN HGNC=11119 UniProtKB=Q99835,HUMAN HGNC=17060 UniProtKB=Q92845	intraciliary transport particle
GO:0030990 GO:0007283	HUMAN HGNC=26951 UniProtKB=Q86YL5 HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=5240 UniProtKB=P48741	spermatogenesis
GO:0034620 GO:0032880	HUMAN HGNC=16276 UniProtKB=Q9C035	cellular response to unfolded protein regulation of protein localization
GO:0097192 GO:0018193 GO:0043542 GO:0097060	HUMAN HGNC=992 UniProtKB=Q07817 HUMAN HGNC=9261 UniProtKB=Q13356,HUMAN HGNC=26664 UniProtKB=Q8N841 HUMAN HGNC=10499 UniProtKB=P06702,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=7178 UniProtKB=Q13201 HUMAN HGNC=188 UniProtKB=O14672 HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=3230 UniProtKB=Q9NYQ7,HUMAN HGNC=3048 UniProtKB=Q02413,HUMAN HGNC=11828 UniProtKB=Q9UDY2,HUMAN HGNC=15447 UniProtKB=Q9Y4G6,HUMAN HGNC=3231 UniProtKB=Q9HCU4,HUMAN HGNC=30377 UniProtKB=Q14160,HUMAN HGNC=23112 UniProtKB=Q8TDW7 HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=6111 UniProtKB=Q13576,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000 HUMAN HGNC=118 UniProtKB=Q99798,HUMAN HGNC=117 UniProtKB=P21399	extrinsic apoptotic signaling pathway in absence of ligand peptidyl-amino acid modification endothelial cell migration synaptic membrane
GO:0098609 GO:0032956 GO:0051539	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=6111 UniProtKB=Q13576,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000 HUMAN HGNC=118 UniProtKB=Q99798,HUMAN HGNC=117 UniProtKB=P21399	cell-cell adhesion
GO:0090263 GO:0008287 GO:0008175	HUMAN HGNC=33704 UniProtKB=Q66K66,HUMAN HGNC=9275 UniProtKB=P35813 HUMAN HGNC=9302 UniProtKB=P30153,HUMAN HGNC=9308 UniProtKB=Q15257,HUMAN HGNC=9314 UniProtKB=Q08209,HUMAN HGNC=9304 UniProtKB=P63151 HUMAN HGNC=26022 UniProtKB=Q7L0Y3	regulation of actin cytoskeleton organization 4 iron, 4 sulfur cluster binding positive regulation of canonical Wnt signaling pathway
GO:0000712 GO:0006414	HUMAN HGNC=23845 UniProtKB=Q8IY92 HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=3213 UniProtKB=P26641,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=3282 UniProtKB=P60842,HUMAN HGNC=13759 UniProtKB=Q7L576,HUMAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=9207 UniProtKB=Q9UFF9,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=3213 UniProtKB=P26641,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=3282 UniProtKB=P60842,HUMAN HGNC=13759 UniProtKB=Q7L576,HUMAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=9207 UniProtKB=Q9UFF9,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN 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HGNC=10404 UniProtKB=P15880,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=9207 UniProtKB=Q9UFF9,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=3213 UniProtKB=P26641,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=3282 UniProtKB=P60842,HUMAN HGNC=13759 UniProtKB=Q7L576,HUMAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=9207 UniProtKB=Q9UFF9,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=3213 UniProtKB=P26641,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=3282 UniProtKB=P60842,HUMAN HGNC=13759 UniProtKB=Q7L576,HUMAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN 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GO:0001508	MAN HGNC=4621 UniProtKB=P15170,HUMAN HGNC=17970 UniProtKB=Q9BPZ3,HUMAN Gene=EIF2S3L UniProtKB=Q2VIR3,HUMAN HGNC=12729 UniProtKB=P23381,HUMAN HGNC=3285 UniProtKB=P23588,HUMAN HGNC=3211 UniProtKB=P29692,HUMAN HGNC=27424 UniProtKB=Q5T481,HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=3300 UniProtKB=P63241,HUMAN HGNC=2678 UniProtKB=P14868,HUMAN HGNC=3214 UniProtKB=P13639,HUMAN HGNC=9583 UniProtKB=P26599,HUMAN HGNC=3208 UniProtKB=P24534,HUMAN HGNC=12420 UniProtKB=P49411	action potential
GO:1990023	HUMAN HGNC=5048 UniProtKB=Q00839	mitotic spindle midzone
GO:0004714	HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=6091 UniProtKB=P06213	transmembrane receptor protein tyrosine kinase activity
PC00099	HUMAN HGNC=28648 UniProtKB=Q8IYB7	exoribonuclease
GO:0008277	HUMAN HGNC=711 UniProtKB=P49407	regulation of G protein-coupled receptor signaling pathway
	HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=16053 UniProtKB=Q8N1V2,HUMAN HGNC=20908 UniProtKB=Q86YF9,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=25631 UniProtKB=Q96MT7,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=29262 UniProtKB=Q9P2H3,HUMAN HGNC=7729 UniProtKB=Q15019	intraciliary transport involved in cilium assembly
GO:0035735		
GO:0046390	HUMAN HGNC=9465 UniProtKB=P11908,HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=9462 UniProtKB=P60891	ribose phosphate biosynthetic process
GO:0046488	HUMAN HGNC=17059 UniProtKB=Q9NTJ5,HUMAN HGNC=10542 UniProtKB=O95248	phosphatidylinositol metabolic process
GO:0015318	HUMAN HGNC=10989 UniProtKB=Q00325,HUMAN HGNC=11027 UniProtKB=P02730	inorganic molecular entity transmembrane transporter activity
	HUMAN HGNC=117 UniProtKB=P21399,HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=6970 UniProtKB=P40925,HUMAN HGNC=5383 UniProtKB=P48735,HUMAN HGNC=5386 UniProtKB=P51553	carboxylic acid metabolic process
GO:0019752		
GO:0010975	HUMAN HGNC=11590 UniProtKB=Q16650	regulation of neuron projection development
	HUMAN HGNC=19985 UniProtKB=P53999,HUMAN HGNC=9545 UniProtKB=P28062,HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=16369 UniProtKB=Q99497,HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=10496 UniProtKB=P06703,HUMAN HGNC=9554 UniProtKB=Q99460,HUMAN HGNC=8988 UniProtKB=Q13526,HUMAN HGNC=4719 UniProtKB=P16401,HUMAN HGNC=9536 UniProtKB=O14818,HUMAN HGNC=12468 UniProtKB=P0CG48,HUMAN HGNC=9846 UniProtKB=P62826,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=9281 UniProtKB=P62136,HUMAN HGNC=17598 UniProtKB=Q9Y385,HUMAN HGNC=30646 UniProtKB=Q7KZF4,HUMAN HGNC=25397 UniProtKB=Q6MZP7,HUMAN HGNC=12476 UniProtKB=P61077,HUMAN HGNC=14959 UniProtKB=Q96T37,HUMAN HGNC=7732 UniProtKB=Q15843,H	nucleus
GO:0005634		

UMAN|HGNC=20250|UniProtKB=Q96IF1,HUMAN|HGNC=9275|UniProtKB=P35813,HUMAN|HGNC=13485|UniProtKB=Q9BXU7,HUMAN|HGNC=9531|UniProtKB=P25787,HUMAN|HGNC=30025|UniProtKB=Q5VV67,HUMAN|HGNC=9459|UniProtKB=Q92786,HUMAN|HGNC=6767|UniProtKB=Q15797,HUMAN|HGNC=11179|UniProtKB=P00441,HUMAN|HGNC=5253|UniProtKB=P07900,HUMAN|HGNC=9539|UniProtKB=P49721,HUMAN|HGNC=14060|UniProtKB=Q9UBZ9,HUMAN|HGNC=9349|UniProtKB=Q9NQX1,HUMAN|HGNC=19825|UniProtKB=Q6SA08,HUMAN|HGNC=7326|UniProtKB=P20585,HUMAN|HGNC=25035|UniProtKB=Q5VVQ6,HUMAN|HGNC=9386|UniProtKB=Q9UGJ0,HUMAN|HGNC=23818|UniProtKB=Q14684,HUMAN|HGNC=7803|UniProtKB=Q12986,HUMAN|HGNC=20165|UniProtKB=Q9P2P1,HUMAN|HGNC=9533|UniProtKB=P25789,HUMAN|HGNC=29158|UniProtKB=Q9Y2G9,HUMAN|HGNC=23708|UniProtKB=Q6ZR52,HUMAN|HGNC=9380|UniProtKB=P17612,HUMAN|HGNC=29084|UniProtKB=O75123,HUMAN|HGNC=347|UniProtKB=Q09666,HUMAN|HGNC=12463|UniProtKB=POCG47,HUMAN|HGNC=51815|UniProtKB=A0A1W2PPM1,HUMAN|HGNC=12458|UniProtKB=P62987,HUMAN|HGNC=5238|UniProtKB=P11021,HUMAN|HGNC=14451|UniProtKB=Q9BQK8,HUMAN|HGNC=16298|UniProtKB=Q504T8,HUMAN|HGNC=9381|UniProtKB=P22694,HUMAN|HGNC=28972|UniProtKB=Q8IXZ2,HUMAN|HGNC=13506|UniProtKB=Q8TBJ5,HUMAN|HGNC=33108|UniProtKB=Q6NX45,HUMAN|HGNC=13061|UniProtKB=Q14587,HUMAN|HGNC=2062|UniProtKB=O00299,HUMAN|HGNC=21605|UniProtKB=Q14151,HUMAN|HGNC=18807|UniProtKB=O94983,HUMAN|HGNC=21539|UniProtKB=Q9BX46,HUMAN|HGNC=7446|UniProtKB=Q9Y4I5,HUMAN|HGNC=42937|UniProtKB=PODME0,HUMAN|HGNC=17801|UniProtKB=Q8NHY6,HUMAN|HGNC=7106|UniProtKB=P54252,HUMAN|HGNC=9885|UniProtKB=P29374,HUMAN|HGNC=6871|UniProtKB=P28482,HUMAN|HGNC=9308|UniProtKB=Q15257,HUMAN|HGNC=17177|UniProtKB=Q8IUI8,HUMAN|HGNC=5044|UniProtKB=P61978,HUMAN|HGNC=11125|UniProtKB=P61956,HUMAN|HGNC=13518|UniProtKB=Q9Y696,HUMAN|HGNC=1745|UniProtKB=O00311,HUMAN|HGNC=28422|UniProtKB=Q8NCE0,HUMAN|HGNC=7670|UniProtKB=Q9Y6Q9,HUMAN|HGNC=20597|UniProtKB=P61960,HUMAN|HGNC=30688|UniProtKB=Q86VP6,HUMAN|HGNC=3213|UniProtKB=P26641,HUMAN|HGNC=12666|UniProtKB=P55072,HUMAN|HGNC=8052|UniProtKB=Q9UKK9,HUMAN|HGNC=15935|UniProtKB=Q9H4I2,HUMAN|HGNC=12475|UniProtKB=P62837,HUMAN|HGNC=19312|UniProtKB=Q56P03,HUMAN|HGNC=9261|UniProtKB=Q13356,HUMAN|HGNC=10774|UniProtKB=P23246,HUMAN|HGNC=7640|UniProtKB=Q99733,HUMAN|HGNC=18994|UniProtKB=Q8TDC3,HUMAN|HGNC=7198|UniProtKB=Q86VD1,HUMAN|HGNC=6876|UniProtKB=Q16539,HUMAN|HGNC=10432|UniProtKB=P51812,HUMAN|HGNC=5237|UniProtKB=P34932,HUMAN|HGNC=20063|UniProtKB=Q86T82,HUMAN|HGNC=9530|UniProtKB=P25786,HUMAN|HGNC=28843|UniProtKB=Q9HC44,HUMAN|HGNC=12488|UniProtKB=P68036,HUMAN|HGNC=12491|UniProtKB=P61081,HUMAN|HGNC=32060|UniProtKB=Q5TEC6,HUMAN|HGNC=6400|UniProtKB=Q14974,HUMAN|HGNC=16969|UniProtKB=Q92598,HUMAN|HGNC=5241|UniProtKB=P11142,HUMAN|HGNC=1173|UniProtKB=Q5H9R7,HUMAN|HGNC=9583|UniProtKB=P26599,HUMAN|HGNC=12628|UniProtKB=P45974,HUMAN|HGNC=4718|UniProtKB=P10412,HUMAN

	HGNC=12738   UniProtKB=Q969T9, HUMAN   HGNC=12494   UniProtKB=Q13404, HUMAN   HGNC=24358   UniProtKB=Q9H2G4, HUMAN   HGNC=6401   UniProtKB=Q92973, HUMAN   HGNC=23077   UniProtKB=Q96FW1, HUMAN   HGNC=8783   UniProtKB=Q08499, HUMAN   HGNC=11124   UniProtKB=P55854, HUMAN   HGNC=20635   UniProtKB=Q14997, HUMAN   HGNC=12469   UniProtKB=P22314, HUMAN   HGNC=12612   UniProtKB=P54578, HUMAN   HGNC=10760   UniProtKB=Q01105, HUMAN   HGNC=20473   UniProtKB=Q9BX63, HUMAN   HGNC=26427   UniProtKB=Q96ND8, HUMAN   HGNC=9559   UniProtKB=Q13200, HUMAN   HGNC=9635   UniProtKB=Q12974, HUMAN   HGNC=25490   UniProtKB=Q96HA8, HUMAN   HGNC=9540   UniProtKB=P49720, HUMAN   HGNC=15912   UniProtKB=Q9UNZ2, HUMAN   HGNC=29327   UniProtKB=Q5VZ46, HUMAN   HGNC=15818   UniProtKB=Q9H0Z9, HUMAN   HGNC=3750   UniProtKB=Q13045, HUMAN   HGNC=4861   UniProtKB=Q9NRZ9, HUMAN   HGNC=17808   UniProtKB=Q9UPT8, HUMAN   HGNC=17860   UniProtKB=Q8NC51, HUMAN   HGNC=15667   UniProtKB=P58546, HUMAN   HGNC=26951   UniProtKB=Q86YL5, HUMAN   HGNC=24054   UniProtKB=Q8NG31, HUMAN   HGNC=2717   UniProtKB=Q16531, HUMAN   HGNC=18676   UniProtKB=Q86XP3, HUMAN   HGNC=27424   UniProtKB=Q5T481, HUMAN   HGNC=13109   UniProtKB=P17038, HUMAN   HGNC=9535   UniProtKB=P60900, HUMAN   HGNC=12492   UniProtKB=P61088, HUMAN   HGNC=12379   UniProtKB=Q15631, HUMAN   HGNC=30410   UniProtKB=Q9BXA6, HUMAN   HGNC=4716   UniProtKB=P16403, HUMAN   HGNC=9645   UniProtKB=Q05209, HUMAN   HGNC=10899   UniProtKB=P63208, HUMAN   HGNC=7547   UniProtKB=P10243, HUMAN   HGNC=9532   UniProtKB=P25788, HUMAN   HGNC=9537   UniProtKB=P20618, HUMAN   HGNC=20076   UniProtKB=Q96K76	
GO:0140098	HUMAN   HGNC=10898   UniProtKB=Q15477, HUMAN   HGNC=17821   UniProtKB=O00148	catalytic activity, acting on RNA
GO:0043473	HUMAN   HGNC=9767   UniProtKB=O00194	pigmentation
GO:0030148	HUMAN   HGNC=24175   UniProtKB=Q9P035	sphingolipid biosynthetic process
GO:0033043	HUMAN   HGNC=8761   UniProtKB=Q9BUL8, HUMAN   HGNC=3350   UniProtKB=P06733, HUMAN   HGNC=3353   UniProtKB=P09104, HUMAN   HGNC=10534   UniProtKB=Q9NR31, HUMAN   HGNC=3354   UniProtKB=P13929	regulation of organelle organization
GO:0042632	HUMAN   HGNC=1869   UniProtKB=P11597, HUMAN   HGNC=603   UniProtKB=P04114	cholesterol homeostasis negative regulation of double-strand break repair via homologous recombination
GO:2000042	HUMAN   HGNC=17196   UniProtKB=Q8NG08	
GO:0007265	HUMAN   HGNC=9855   UniProtKB=P62834, HUMAN   HGNC=9862   UniProtKB=P61225, HUMAN   HGNC=6407   UniProtKB=P01116, HUMAN   HGNC=6766   UniProtKB=Q8WXC6, HUMAN   HGNC=9857   UniProtKB=P61224, HUMAN   HGNC=25361   UniProtKB=Q8N264, HUMAN   HGNC=9840   UniProtKB=P11234	Ras protein signal transduction
GO:0008180	HUMAN   HGNC=30747   UniProtKB=P61201, HUMAN   HGNC=21314   UniProtKB=Q8WXC6, HUMAN   HGNC=5239   UniProtKB=P17066, HUMAN   HGNC=5240   UniProtKB=P48741, HUMAN   HGNC=2239   UniProtKB=Q9UNS2	COP9 signalosome

GO:0004115	HUMAN   HGNC=8783   UniProtKB=Q08499	3',5'-cyclic-AMP phosphodiesterase activity
GO:0000228	HUMAN   HGNC=5048   UniProtKB=Q00839, HUMAN   HGNC=23845   UniProtKB=Q8IY92	nuclear chromosome
PC00223	HUMAN   HGNC=3189   UniProtKB=P68104, HUMAN   HGNC=4622   UniProtKB=Q8IYD1, HUMAN   HGNC=4621   UniProtKB=P15170, HUMAN   HGNC=3200   UniProtKB=Q5VTE0	translation factor
GO:0001707	HUMAN   HGNC=2188   UniProtKB=Q99715	mesoderm formation
GO:0036156	HUMAN   HGNC=8898   UniProtKB=P07205, HUMAN   HGNC=2949   UniProtKB=Q8TD57	inner dynein arm RNA polymerase II general transcription initiation factor activity
GO:0016251	HUMAN   HGNC=17305   UniProtKB=Q9Y6J9	
GO:0070628	HUMAN   HGNC=20635   UniProtKB=Q14997, HUMAN   HGNC=9813   UniProtKB=P54727	proteasome binding
GO:0048199	HUMAN   HGNC=10534   UniProtKB=Q9NR31, HUMAN   HGNC=24878   UniProtKB=Q9BVK6	vesicle targeting, to, from or within Golgi cysteine-type endopeptidase activity involved in apoptotic process
GO:0097153	HUMAN   HGNC=1504   UniProtKB=P42574, HUMAN   HGNC=1507   UniProtKB=P55212	
GO:1990904	HUMAN   HGNC=5043   UniProtKB=P31942, HUMAN   HGNC=3214   UniProtKB=P13639, HUMAN   HGNC=7910   UniProtKB=P06748	ribonucleoprotein complex
GO:1903008	HUMAN   HGNC=12666   UniProtKB=P55072	organelle disassembly
GO:0051205	HUMAN   HGNC=26801   UniProtKB=Q8N8Q8	protein insertion into membrane
GO:0034641	HUMAN   HGNC=2328   UniProtKB=P50416	cellular nitrogen compound metabolic process
GO:0006623	HUMAN   HGNC=568   UniProtKB=O14617, HUMAN   HGNC=1908   UniProtKB=Q96RL7, HUMAN   HGNC=23594   UniProtKB=Q709C8	protein targeting to vacuole
GO:0071944	HUMAN   HGNC=25648   UniProtKB=Q8N5J2	cell periphery
GO:1902911	HUMAN   HGNC=9386   UniProtKB=Q9UGJ0, HUMAN   HGNC=6091   UniProtKB=P06213	protein kinase complex
GO:0050839	HUMAN   HGNC=29943   UniProtKB=Q9NT68, HUMAN   HGNC=11828   UniProtKB=Q9UDY2, HUMAN   HGNC=29557   UniProtKB=Q0ZGT2, HUMAN   HGNC=11771   UniProtKB=Q15582	cell adhesion molecule binding
GO:0051092	HUMAN   HGNC=30140   UniProtKB=A7MCY6, HUMAN   HGNC=16391   UniProtKB=Q9H257, HUMAN   HGNC=16276   UniProtKB=Q9C035, HUMAN   HGNC=1628   UniProtKB=P08571, HUMAN   HGNC=3157   UniProtKB=Q92838, HUMAN   HGNC=29890   UniProtKB=Q86UT6, HUMAN   HGNC=9275   UniProtKB=P35813	positive regulation of NF-kappaB transcription factor activity
GO:0006470	HUMAN   HGNC=1173   UniProtKB=Q5H9R7, HUMAN   HGNC=19388   UniProtKB=P49593, HUMAN   HGNC=9673   UniProtKB=Q12913, HUMAN   HGNC=9304   UniProtKB=P63151	protein dephosphorylation
GO:1901361	HUMAN   HGNC=2689   UniProtKB=P09172, HUMAN   HGNC=82   UniProtKB=P09110	organic cyclic compound catabolic process
GO:0030154	HUMAN   HGNC=9866   UniProtKB=P13631, HUMAN   HGNC=6767   UniProtKB=Q15797, HUMAN   HGNC=4037   UniProtKB=P06241, HUMAN   HGNC=2188   UniProtKB=Q99715, HUMAN   HGNC=9583   UniProtKB=P26599, HUMAN   HGNC=3815   UniProtKB=Q12951, HUMAN   HGNC=7967   UniProtKB=Q96RI1, HUMAN   HGNC=12841   UniProtKB=P	cell differentiation

	07947,HUMAN HGNC=7640 UniProtKB=Q99733,HUMAN HGNC=6735 UniProtKB=P07948,HUMAN HGNC=24903 UniProtKB=Q9Y520	
GO:200123 7	<p>HUMAN HGNC=11283 UniProtKB=P12931</p> <p>HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=9784 UniProtKB=P61020,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=9785 UniProtKB=P51148,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=9782 UniProtKB=P61018,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=7228 UniProtKB=P22897,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN HGNC=19760 UniProtKB=Q96T51,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=23186 UniProtKB=Q14677,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=711 UniProtKB=P49407,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=11138 UniProtKB=P37840,HUMAN HGNC=3419 UniProtKB=P42566,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=570 UniProtKB=P53677,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=24634 U</p>	<p>negative regulation of extrinsic apoptotic signaling pathway</p> <p>vesicle budding from membrane</p>
GO:000690 0		

	niProtKB=Q9UBC2,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=15578 UniProtKB=Q96D71,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=5527 UniProtKB=P01860,HUMAN HGNC=2092 UniProtKB=Q00610HUMAN HGNC=30013 UniProtKB=Q96PD5,HUMAN HGNC=2761 UniProtKB=P59665,HUMAN HGNC=6517 UniProtKB=P18428,HUMAN HGNC=1472 UniProtKB=P49913,HUMAN HGNC=6740 UniProtKB=P61626	defense response to Gram-positive bacterium
GO:0050830		
GO:0031672	HUMAN HGNC=7618 UniProtKB=O14974	A band
GO:0000045	HUMAN HGNC=15912 UniProtKB=Q9UNZ2,HUMAN HGNC=9758 UniProtKB=P62820,HUMAN HGNC=18370 UniProtKB=Q9H0U4HUMAN HGNC=6047 UniProtKB=Q16891,HUMAN HGNC=23526 UniProtKB=Q8NE86,HUMAN HGNC=26801 UniProtKB=Q8N8Q8,HUMAN HGNC=10989 UniProtKB=Q00325	autophagosome assembly integral component of mitochondrial inner membrane
GO:0031305		nucleoside-triphosphatase regulator activity
GO:0060589	HUMAN HGNC=871 UniProtKB=Q9UII2HUMAN HGNC=7803 UniProtKB=Q12986,HUMAN HGNC=29158 UniProtKB=Q9Y2G9,HUMAN HGNC=10774 UniProtKB=P23246,HUMAN HGNC=4719 UniProtKB=P16401,HUMAN HGNC=27146 UniProtKB=Q5TA31,HUMAN HGNC=1101 UniProtKB=P51587,HUMAN HGNC=29890 UniProtKB=Q86UT6,HUMAN HGNC=4861 UniProtKB=Q9NRZ9,HUMAN HGNC=28843 UniProtKB=Q9HC44,HUMAN HGNC=30747 UniProtKB=P61201,HUMAN HGNC=19246 UniProtKB=Q9NYB0,HUMAN HGNC=18411 UniProtKB=Q3KNW1,HUMAN HGNC=12347 UniProtKB=Q9Y4A5,HUMAN HGNC=25397 UniProtKB=Q6MZP7,HUMAN HGNC=20508 UniProtKB=Q8IUE6,HUMAN HGNC=3157 UniProtKB=Q92838,HUMAN HGNC=7446 UniProtKB=Q9Y4I5,HUMAN HGNC=20250 UniProtKB=Q96IF1,HUMAN HGNC=9275 UniProtKB=P35813,HUMAN HGNC=30140 UniProtKB=A7MCY6,HUMAN HGNC=16391 UniProtKB=Q9H257,HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=9349 UniProtKB=Q9NQX1,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=12738 UniProtKB=Q969T9HUMAN HGNC=30032 UniProtKB=Q6VY07,HUMAN HGNC=3702 UniProtKB=Q13642,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=492 UniProtKB=P16157HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=418 UniProtKB=P09972,HUMAN HGNC=414 UniProtKB=P04075,HUMAN HGNC=8878 UniProtKB=Q01813	transcription, DNA-templated
GO:0006351		
GO:0044325		ion channel binding
GO:0004332		fructose-bisphosphate aldolase activity
GO:0019439	HUMAN HGNC=2689 UniProtKB=P09172,HUMAN HGNC=82 UniProtKB=P09110HUMAN HGNC=362 UniProtKB=P54819,HUMAN HGNC=363 UniProtKB=P27144,HUMAN HGNC=361 UniProtKB=P00568,HUMAN HGNC=18170 UniProtKB=P30085,HUMAN HGNC=17376 UniProtKB=Q9UIJ7	aromatic compound catabolic process
GO:0006163		purine nucleotide metabolic process
PC00246	HUMAN HGNC=3815 UniProtKB=Q12951	winged helix/forkhead transcription factor

GO:003049	6	HUMAN   HGNC=22931   UniProtKB=Q9P2N7	midbody regulation of neurotransmitter receptor activity
GO:009960	1	HUMAN   HGNC=2905   UniProtKB=O14490	
GO:004207	3	HUMAN   HGNC=30391   UniProtKB=Q9UG01, HUMAN   HGNC=14313   UniProtKB=Q8WYA0	intraciliary transport
		HUMAN   HGNC=9935   UniProtKB=Q14257, HUMAN   HGNC=12666   UniProtKB=P55072, HUMAN   HGNC=9411   UniProtKB=P14314, HUMAN   HGNC=17943   UniProtKB=Q9GZP9, HUMAN   HGNC=463   UniProtKB=Q9UKV5, HUMAN   HGNC=17059   UniProtKB=Q9NTJ5, HUMAN   HGNC=1458   UniProtKB=O43852, HUMAN   HGNC=13529   UniProtKB=Q9Y2B0, HUMAN   HGNC=16998   UniProtKB=P49755, HUMAN   HGNC=25541   UniProtKB=P57088, HUMAN   HGNC=16695   UniProtKB=P51572, HUMAN   HGNC=10996   UniProtKB=O14975, HUMAN   HGNC=30167   UniProtKB=P13667, HUMAN   HGNC=2479   UniProtKB=O76096, HUMAN   HGNC=16268   UniProtKB=Q8IY17, HUMAN   HGNC=15461   UniProtKB=P55145, HUMAN   HGNC=21354   UniProtKB=Q86XR7, HUMAN   HGNC=24251   UniProtKB=Q9Y3A6, HUMAN   HGNC=8548   UniProtKB=P07237, HUMAN   HGNC=1546   UniProtKB=P50454, HUMAN   HGNC=20175   UniProtKB=Q9Y3E0, HUMAN   HGNC=4606   UniProtKB=P30101, HUMAN   HGNC=8504   UniProtKB=Q969R2, HUMAN   HGNC=15663   UniProtKB=Q9NYU2, HUMAN   HGNC=16996   UniProtKB=Q15363, HUMAN   HGNC=24878   UniProtKB=Q9BVK6	endoplasmic reticulum RNA phosphodiester bond hydrolysis cellular response to steroid hormone stimulus
GO:000578	3	HUMAN   HGNC=8087   UniProtKB=P29728	
GO:009050	1	HUMAN   HGNC=533   UniProtKB=P04083	
GO:007138	3	HUMAN   HGNC=15476   UniProtKB=P63167, HUMAN   HGNC=15848   UniProtKB=Q14141, HUMAN   HGNC=16053   UniProtKB=Q8N1V2, HUMAN   HGNC=20908   UniProtKB=Q86YF9, HUMAN   HGNC=2952   UniProtKB=Q96JB1, HUMAN   HGNC=25631   UniProtKB=Q96MT7, HUMAN   HGNC=1717   UniProtKB=Q16181, HUMAN   HGNC=3244   UniProtKB=Q9NZN3, HUMAN   HGNC=29262   UniProtKB=Q9P2H3, HUMAN   HGNC=7729   UniProtKB=Q15019	protein localization to cilium cellular amino acid biosynthetic process
GO:006151	2	HUMAN   HGNC=746   UniProtKB=P04424	
GO:000865	2	HUMAN   HGNC=11138   UniProtKB=P37840	axon terminus
GO:004367	9	HUMAN   HGNC=16051   UniProtKB=Q8TEW0, HUMAN   HGNC=2067   UniProtKB=O00151, HUMAN   HGNC=15902   UniProtKB=Q8IXH8, HUMAN   HGNC=17468   UniProtKB=Q96HC4, HUMAN   HGNC=243   UniProtKB=P35611, HUMAN   HGNC=6207   UniProtKB=P14923, HUMAN   HGNC=14265   UniProtKB=Q86UP0, HUMAN   HGNC=19194   UniProtKB=Q96RW7, HUMAN   HGNC=22958   UniProtKB=Q9NR12, HUMAN   HGNC=20250   UniProtKB=Q96IF1, HUMAN   HGNC=30377   UniProtKB=Q14160	adherens junction plasma membrane organization Golgi to plasma membrane transport
GO:000591	2	HUMAN   HGNC=544   UniProtKB=P08133, HUMAN   HGNC=8515   UniProtKB=Q9HC10	
GO:000700	9	HUMAN   HGNC=30389   UniProtKB=Q96A65	tissue development
GO:000689	3	HUMAN   HGNC=12601   UniProtKB=O75445, HUMAN   HGNC=885   UniProtKB=O75882	
GO:000988	8		

GO:001827	HUMAN HGNC=10381 UniProtKB=P04843,HUMAN HGNC=2728	protein N-linked glycosylation via asparagine movement of cell or subcellular component
9	UniProtKB=P39656,HUMAN HGNC=15663 UniProtKB=Q9NYU2	
GO:000692		
8	HUMAN HGNC=12736 UniProtKB=O43516	
GO:190121		
4	HUMAN HGNC=11138 UniProtKB=P37840	regulation of neuron death intermediate filament cytoskeleton organization
GO:004510	HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=9069 U	
4	niProtKB=Q15149	
	HUMAN HGNC=537 UniProtKB=P07355,HUMAN HGNC=8044 Uni	
	ProtKB=P80303,HUMAN HGNC=12022 UniProtKB=P13693,HUMA	
	N HGNC=9935 UniProtKB=Q14257,HUMAN HGNC=545 UniProtK	
	B=P20073,HUMAN HGNC=3048 UniProtKB=Q02413,HUMAN HGN	
	C=1455 UniProtKB=P27797,HUMAN HGNC=533 UniProtKB=P040	
	83,HUMAN HGNC=1449 UniProtKB=PODP25,HUMAN HGNC=1473	
	UniProtKB=P27824,HUMAN HGNC=11219 UniProtKB=P09486,HU	
	MAN HGNC=535 UniProtKB=P50995,HUMAN HGNC=15902 UniPr	
	otKB=Q8IXH8,HUMAN HGNC=1458 UniProtKB=O43852,HUMAN	
	HGNC=11510 UniProtKB=Q8N9IO,HUMAN HGNC=544 UniProtKB=	
	P08133,HUMAN HGNC=14265 UniProtKB=Q86UP0,HUMAN HGN	
	C=1452 UniProtKB=P27482,HUMAN HGNC=11512 UniProtKB=Q9	
GO:000550	H2B2,HUMAN HGNC=8515 UniProtKB=Q9HC10,HUMAN HGNC=8	calcium ion binding phospholipase C-activating G protein-coupled receptor signaling pathway integral component of peroxisomal membrane long-chain fatty acid transport
9	043 UniProtKB=Q02818,HUMAN HGNC=543 UniProtKB=P08758	
	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=4472 U	
GO:000720	niProtKB=Q14330,HUMAN HGNC=4390 UniProtKB=P50148,HUMA	
0	N HGNC=3540 UniProtKB=Q96RIO	
GO:000577		
9	HUMAN HGNC=21689 UniProtKB=Q9Y3D6	
GO:001590		
9	HUMAN HGNC=533 UniProtKB=P04083	
GO:004825		
9	HUMAN HGNC=3757 UniProtKB=O75955	
GO:003476		
5	HUMAN HGNC=16804 UniProtKB=O00308	regulation of receptor- mediated endocytosis regulation of ion transmembrane transport
	HUMAN HGNC=24552 UniProtKB=Q3LXA3,HUMAN HGNC=12009	
	UniProtKB=P60174,HUMAN HGNC=9723 UniProtKB=P11216,HU	
GO:004427	MAN HGNC=8891 UniProtKB=P52209,HUMAN HGNC=9725 UniPr	
5	otKB=P06737	cellular carbohydrate catabolic process
GO:001062	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=9583 U	negative regulation of gene expression
9	niProtKB=P26599	
GO:004247	HUMAN HGNC=9772 UniProtKB=Q13637,HUMAN HGNC=9767 U	
0	niProtKB=O00194	
GO:000268		
2	HUMAN HGNC=8993 UniProtKB=P12273	melanosome regulation of immune system process
GO:000367		
6	HUMAN HGNC=14959 UniProtKB=Q96T37	
GO:001989	HUMAN HGNC=20040 UniProtKB=Q01518,HUMAN HGNC=871 U	nucleic acid binding
9	niProtKB=Q9UII2	
	HUMAN HGNC=25364 UniProtKB=Q9H0R4,HUMAN HGNC=17059	enzyme binding
	UniProtKB=Q9NTJ5,HUMAN HGNC=6050 UniProtKB=P29218,HU	
PC00181	MAN HGNC=10542 UniProtKB=O95248	phosphatase
GO:000640	HUMAN HGNC=8062 UniProtKB=P49790,HUMAN HGNC=17859	
5	UniProtKB=Q5SRE5	
GO:000090	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=20040	RNA export from nucleus
2	UniProtKB=Q01518,HUMAN HGNC=13759 UniProtKB=Q7L576,H	cell morphogenesis

	UMAN HGNC=15902 UniProtKB=Q8IXH8,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=14265 UniProtKB=Q86UP0,HUMAN HGNC=1491 UniProtKB=P47756	
GO:0005688	HUMAN HGNC=20471 UniProtKB=O95777,HUMAN HGNC=17259 UniProtKB=Q9Y4Z0	U6 snRNP
GO:0042327	HUMAN HGNC=8898 UniProtKB=P07205 HUMAN HGNC=9535 UniProtKB=P60900,HUMAN HGNC=9533 UniProtKB=P25789,HUMAN HGNC=9536 UniProtKB=O14818,HUMAN HGNC=9530 UniProtKB=P25786,HUMAN HGNC=9532 UniProtKB=P25788,HUMAN HGNC=9531 UniProtKB=P25787	positive regulation of phosphorylation
GO:0019773	HUMAN HGNC=7127 UniProtKB=P40692,HUMAN HGNC=7326 UniProtKB=P20585	proteasome core complex, alpha-subunit complex
GO:0006298	HUMAN HGNC=11124 UniProtKB=P55854,HUMAN HGNC=11125 UniProtKB=P61956	mismatch repair
GO:0044389		ubiquitin-like protein ligase binding
GO:0033522	HUMAN HGNC=23077 UniProtKB=Q96FW1 HUMAN HGNC=5753 UniProtKB=P01593,HUMAN HGNC=5879 UniProtKB=P01699,HUMAN HGNC=5825 UniProtKB=A0A0C4DH25,HUMAN HGNC=5800 UniProtKB=A0A075B6S2,HUMAN HGNC=5742 UniProtKB=A0A0C4DH72,HUMAN HGNC=5816 UniProtKB=P01624,HUMAN Gene=KV311_HUMAN UniProtKB=P04433,HUMAN HGNC=2444 UniProtKB=P41240,HUMAN HGNC=5910 UniProtKB=P01718,HUMAN HGNC=5931 UniProtKB=A0A075B6I0,HUMAN HGNC=5933 UniProtKB=A0A0B4J1Y8,HUMAN HGNC=5877 UniProtKB=P01703,HUMAN HGNC=5834 UniProtKB=P06312,HUMAN HGNC=5890 UniProtKB=P01705,HUMAN HGNC=5732 UniProtKB=P04430,HUMAN HGNC=5759 UniProtKB=A0A087WSZ0,HUMAN HGNC=5733 UniProtKB=P01599,HUMAN HGNC=5888 UniProtKB=P01704,HUMAN HGNC=3309 UniProtKB=P08246,HUMAN HGNC=5927 UniProtKB=P01721,HUMAN HGNC=5897 UniProtKB=A0A075B6K4,HUMAN HGNC=5918 UniProtKB=A0A075B6K5,HUMAN HGNC=5781 UniProtKB=A0A0C4DH68,HUMAN HGNC=5930 UniProtKB=A0A075B6I9,HUMAN HGNC=5901 UniProtKB=A0A075B6K0,HUMAN HGNC=5743 UniProtKB=A0A0C4DH67,HUMAN HGNC=5739 UniProtKB=A0A075B6S9,HUMAN HGNC=5880 UniProtKB=P01700,HUMAN HGNC=5905 UniProtKB=P80748,HUMAN HGNC=5756 UniProtKB=P04432,HUMAN HGNC=5896 UniProtKB=P01715,HUMAN HGNC=910 UniProtKB=P25311,HUMAN HGNC=5735 UniProtKB=A0A075B6S5,HUMAN HGNC=5785 UniProtKB=P06310,HUMAN HGNC=5836 UniProtKB=A0A0C4DH24,HUMAN HGNC=5895 UniProtKB=P01709,HUMAN HGNC=5898 UniProtKB=A0A075B6K2,HUMAN HGNC=5887 UniProtKB=P01706,HUMAN HGNC=5929 UniProtKB=P04211,HUMAN HGNC=5882 UniProtKB=P01701,HUMAN HGNC=5908 UniProtKB=P01717,HUMAN HGNC=5746 UniProtKB=P01611,HUMAN HGNC=5821 UniProtKB=A0A075B6H7,HUMAN HGNC=4036 UniProtKB=O15117,HUMAN HGNC=5889 UniProtKB=A0A075B6J9,HUMAN HGNC=5741 UniProtKB=P01602,HUMAN HGNC=5730 UniProtKB=A0A0C4DH73,HUMAN HGNC=5817 UniProtKB=P01619,HUMAN HGNC=5783 UniProtKB=A0A075B6P5	histone H2A ubiquitination
GO:0006955	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2	immune response
GO:0010646	HUMAN HGNC=18233 UniProtKB=Q8NDB2,HUMAN HGNC=6091 UniProtKB=P06213	regulation of cell communication
GO:0043491		protein kinase B signaling

GO:0003682	HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=10760 UniProtKB=Q01105,HUMAN HGNC=7640 UniProtKB=Q99733,HUMAN HGNC=4861 UniProtKB=Q9NRZ9,HUMAN HGNC=42937 UniProtKB=P0DME0,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=24358 UniProtKB=Q9H2G4	chromatin binding
GO:0021915	HUMAN HGNC=12652 UniProtKB=P50552	neural tube development
GO:0004180	HUMAN HGNC=25648 UniProtKB=Q8N5J2,HUMAN HGNC=15722 UniProtKB=Q8WXQ8,HUMAN HGNC=2300 UniProtKB=Q96IY4,HUMAN HGNC=11763 UniProtKB=P02786,HUMAN HGNC=2312 UniProtKB=P15169	carboxypeptidase activity
GO:0022625	HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=10363 UniProtKB=P18124,HUMAN HGNC=10305 UniProtKB=P50914,HUMAN HGNC=10353 UniProtKB=P36578	cytosolic large ribosomal subunit
PC00031	HUMAN HGNC=8648 UniProtKB=Q15366,HUMAN HGNC=19071 UniProtKB=Q86V81,HUMAN HGNC=29190 UniProtKB=Q9UPQ9,HUMAN HGNC=14959 UniProtKB=Q96T37,HUMAN HGNC=10774 UniProtKB=P23246,HUMAN HGNC=17150 UniProtKB=Q9Y2V2,HUMAN HGNC=117 UniProtKB=P21399,HUMAN HGNC=29531 UniProtKB=Q6PKG0,HUMAN HGNC=8647 UniProtKB=Q15365,HUMAN HGNC=226 UniProtKB=P78563,HUMAN HGNC=5044 UniProtKB=P61978,HUMAN HGNC=6038 UniProtKB=Q12906,HUMAN HGNC=17860 UniProtKB=Q8NC51,HUMAN HGNC=24903 UniProtKB=Q9Y520,HUMAN HGNC=19072 UniProtKB=Q96J01	RNA metabolism protein
GO:0016324	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=29327 UniProtKB=Q5VZ46,HUMAN HGNC=29953 UniProtKB=Q8WWZ8,HUMAN HGNC=11075 UniProtKB=O14745	apical plasma membrane
PC00241	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=12669 UniProtKB=P21796,HUMAN HGNC=12674 UniProtKB=Q9Y277,HUMAN HGNC=12672 UniProtKB=P45880,HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9,HUMAN HGNC=1393 UniProtKB=O60840	voltage-gated ion channel
GO:0016887	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=2949 UniProtKB=Q8TD57,HUMAN HGNC=7127 UniProtKB=P40692,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=14637 UniProtKB=Q86UK0,HUMAN HGNC=823 UniProtKB=P25705,HUMAN HGNC=8016 UniProtKB=P46459,HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=2951 UniProtKB=Q9C0G6,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=871 UniProtKB=Q9UII2,HUMAN HGNC=55 UniProtKB=O15439,HUMAN HGNC=5238 UniProtKB=P11021,HUMAN HGNC=5240 UniProtKB=P48741,HUMAN HGNC=851 UniProtKB=P38606,HUMAN HGNC=806 UniProtKB=P54709,HUMAN HGNC=13531 UniProtKB=Q9Y2Q0,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=812 UniProtKB=P16615	ATPase activity
GO:0007399	HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=4243 UniProtKB=P56159,HUMAN HGNC=4244 UniProtKB=O00451	nervous system development
GO:0070971	HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=10701 UniProtKB=Q15436	endoplasmic reticulum exit site
GO:0140030	HUMAN HGNC=20635 UniProtKB=Q14997	modification-dependent protein binding

GO:0005793	HUMAN HGNC=8044 UniProtKB=P80303,HUMAN HGNC=21354 UniProtKB=Q86XR7,HUMAN HGNC=24251 UniProtKB=Q9Y3A6,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=16998 UniProtKB=P49755,HUMAN HGNC=16996 UniProtKB=Q15363,HUMAN HGNC=8043 UniProtKB=Q02818,HUMAN HGNC=24878 UniProtKB=Q9BVK6	endoplasmic reticulum-Golgi intermediate compartment
GO:0017134	HUMAN HGNC=15527 UniProtKB=Q86Z14	fibroblast growth factor binding
GO:0051536	HUMAN HGNC=3951 UniProtKB=Q16595	iron-sulfur cluster binding
GO:0044877	HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=11424 UniProtKB=O43815,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=12733 UniProtKB=Q9Y6W5,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=4374 UniProtKB=O60234,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=492 UniProtKB=P16157,HUMAN HGNC=15720 UniProtKB=Q13033,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=8515 UniProtKB=Q9HC10	protein-containing complex binding
GO:0019955	HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=19100 UniProtKB=Q5VWK5	cytokine binding
GO:0004623	HUMAN HGNC=533 UniProtKB=P04083	phospholipase A2 activity
PC00179	HUMAN HGNC=3964 UniProtKB=P01225,HUMAN HGNC=16452 UniProtKB=P0DN86,HUMAN HGNC=16721 UniProtKB=A6NKQ9	peptide hormone
GO:0034622	HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=4926 UniProtKB=O15212,HUMAN HGNC=12644 UniProtKB=Q15836,HUMAN HGNC=11582 UniProtKB=Q15813,HUMAN HGNC=11131 UniProtKB=O00161,HUMAN HGNC=12647 UniProtKB=Q9BV40,HUMAN HGNC=2092 UniProtKB=Q00610,HUMAN HGNC=2288 UniProtKB=P14406,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=8515 UniProtKB=Q9HC10,HUMAN HGNC=11579 UniProtKB=O75347	cellular protein-containing complex assembly
GO:0005938	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=29327 UniProtKB=Q5VZ46,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=7729 UniProtKB=Q15019	cell cortex
GO:0006206	HUMAN HGNC=2520 UniProtKB=Q9NRF8	pyrimidine nucleobase metabolic process
PC00197	HUMAN HGNC=4045 UniProtKB=O75084,HUMAN HGNC=4439 UniProtKB=P07359,HUMAN HGNC=7821 UniProtKB=P14543,HUMAN HGNC=5468 UniProtKB=P35858,HUMAN HGNC=19100 UniProtKB=Q5VWK5,HUMAN HGNC=4244 UniProtKB=O00451,HUMAN HGNC=29953 UniProtKB=Q8WWZ8,HUMAN HGNC=11119 UniProtKB=Q99835,HUMAN HGNC=16089 UniProtKB=O15173,HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=4243 UniProtKB=P56159,HUMAN HGNC=10661 UniProtKB=P31431,HUMAN HGNC=10608 UniProtKB=P47872,HUMAN HGNC=13937 UniProtKB=Q95866,HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=16090 UniProtKB=O00264,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=16768 UniProtKB=O60391,HUMAN HGNC=2313	transmembrane signal receptor

	UniProtKB=P22792,HUMAN   HGNC=30384   UniProtKB=Q9UMX5,HUMAN   HGNC=6091   UniProtKB=P06213	
GO:0016042	HUMAN   HGNC=607   UniProtKB=P02654,HUMAN   HGNC=108   UniProtKB=P22303	lipid catabolic process
GO:0006469	HUMAN   HGNC=19388   UniProtKB=P49593,HUMAN   HGNC=29884   UniProtKB=Q8TF42	negative regulation of protein kinase activity
	HUMAN   HGNC=20471   UniProtKB=O95777,HUMAN   HGNC=17821   UniProtKB=O00148,HUMAN   HGNC=9583   UniProtKB=P26599,HUMAN   HGNC=14959   UniProtKB=Q96T37,HUMAN   HGNC=5044   UniProtKB=P61978,HUMAN   HGNC=1743   UniProtKB=Q99459,HUMAN   HGNC=10774   UniProtKB=P23246,HUMAN   HGNC=24932   UniProtKB=Q9NZ63	mRNA splicing, via spliceosome
GO:0000398	HUMAN   HGNC=6767   UniProtKB=Q15797,HUMAN   HGNC=3815   UniProtKB=Q12951	anatomical structure morphogenesis
GO:0046540	HUMAN   HGNC=20471   UniProtKB=O95777	U4/U6 x U5 tri-snRNP complex
	HUMAN   HGNC=9782   UniProtKB=P61018,HUMAN   HGNC=9785   UniProtKB=P51148,HUMAN   HGNC=9784   UniProtKB=P61020,HUMAN   HGNC=19760   UniProtKB=Q96T51	regulation of endocytosis
GO:0030100		
GO:0051606	HUMAN   HGNC=30013   UniProtKB=Q96PD5	detection of stimulus
GO:0034551	HUMAN   HGNC=12582   UniProtKB=P14927	mitochondrial respiratory chain complex III assembly
GO:0070491	HUMAN   HGNC=9349   UniProtKB=Q9NQX1	repressing transcription factor binding
	HUMAN   HGNC=253   UniProtKB=P11766,HUMAN   HGNC=11179   UniProtKB=P00441,HUMAN   HGNC=9353   UniProtKB=P32119,HUMAN   HGNC=251   UniProtKB=P00326,HUMAN   HGNC=9352   UniProtKB=Q06830,HUMAN   HGNC=255   UniProtKB=P28332	response to toxic substance
GO:0009636		single-stranded DNA
GO:0017116	HUMAN   HGNC=17196   UniProtKB=Q8NG08	helicase activity
	HUMAN   HGNC=3338   UniProtKB=Q14247,HUMAN   HGNC=2695   UniProtKB=Q16643,HUMAN   HGNC=2696   UniProtKB=Q9UJU6,HUMAN   HGNC=4844   UniProtKB=P14317	regulation of dendrite morphogenesis
GO:0048814		oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen
GO:0016705	HUMAN   HGNC=2689   UniProtKB=P09172	
	HUMAN   HGNC=5575   UniProtKB=A0A0B4J1V2,HUMAN   HGNC=5645   UniProtKB=A0A0C4DH34,HUMAN   HGNC=5549   UniProtKB=A0A0C4DH31,HUMAN   HGNC=5554   UniProtKB=P01743,HUMAN   HGNC=5480   UniProtKB=P01880,HUMAN   HGNC=5659   UniProtKB=A0A0C4DH38,HUMAN   HGNC=5634   UniProtKB=A0A075B7F0,HUMAN   HGNC=38476   UniProtKB=B9A064,HUMAN   HGNC=5861   UniProtKB=A0M8Q6,HUMAN   HGNC=5647   UniProtKB=A0A087WSY4,HUMAN   HGNC=5563   UniProtKB=A0A075B7D0,HUMAN   HGNC=5856   UniProtKB=P0DOY2,HUMAN   HGNC=2367   UniProtKB=P02741,HUMAN   HGNC=5606   UniProtKB=P01763,HUMAN   HGNC=533   UniProtKB=P04083,HUMAN   HGNC=5576   UniProtKB=P01817,HUMAN   HGNC=5528   UniProtKB=P01861,HUMAN   HGNC=5541   UniProtKB=P01871,HUMAN   HGNC=5585   UniProtKB=A0A0C4DH32,HUMAN   HGNC=5551   UniProtKB=A0A0C4DH33,HUMAN   HGNC=5526   UniProtKB=P01859,HUMAN   HGNC=5657   UniProtKB=P0DP08,HUMAN   Ensembl=	adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains
GO:0002460		

	ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=16961 UniProtKB=Q15762,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860,HUMAN HGNC=584 UniProtKB=P02743	
GO:0006164	HUMAN HGNC=9465 UniProtKB=P11908,HUMAN HGNC=9462 UniProtKB=P60891	purine nucleotide biosynthetic process protein transport to vacuole involved in ubiquitin-dependent protein catabolic process via the multivesicular body sorting pathway
GO:0043328	HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=11357 UniProtKB=Q92783	
GO:0031175	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=15461 UniProtKB=P55145,HUMAN HGNC=11590 UniProtKB=Q16650,HUMAN HGNC=6510 UniProtKB=P16949,HUMAN HGNC=12648 UniProtKB=Q9P0LO	neuron projection development
GO:1902808	HUMAN HGNC=533 UniProtKB=P04083	positive regulation of cell cycle G1/S phase transition
GO:0051209	HUMAN HGNC=29884 UniProtKB=Q8TF42	release of sequestered calcium ion into cytosol
PC00258	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=10996 UniProtKB=O14975,HUMAN HGNC=11071 UniProtKB=P19634,HUMAN HGNC=11027 UniProtKB=P02730,HUMAN HGNC=17292 UniProtKB=Q8IWA5,HUMAN HGNC=20653 UniProtKB=Q8IVB4,HUMAN HGNC=11034 UniProtKB=Q2Y0W8	secondary carrier transporter
GO:0031461	HUMAN HGNC=2551 UniProtKB=Q13616,HUMAN HGNC=2717 UniProtKB=Q16531	cullin-RING ubiquitin ligase complex
GO:0004386	HUMAN HGNC=10898 UniProtKB=Q15477,HUMAN HGNC=17821 UniProtKB=O00148	helicase activity
GO:0048741	HUMAN HGNC=15999 UniProtKB=Q9NZV5	skeletal muscle fiber development

GO:0005884	HUMAN HGNC=6528 UniProtKB=P13796,HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=23397 UniProtKB=Q5T1M5,HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=13200 UniProtKB=Q15942,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=18304 UniProtKB=Q14019,HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=12010 UniProtKB=P09493,HUMAN HGNC=9581 UniProtKB=Q9H939,HUMAN HGNC=12736 UniProtKB=O43516,HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=12012 UniProtKB=P06753,HUMAN HGNC=7590 UniProtKB=Q15746,HUMAN HGNC=18142 UniProtKB=Q9Y4D1,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=12013 UniProtKB=P67936,HUMAN HGNC=12011 UniProtKB=P07951,HUMAN HGNC=22958 UniProtKB=Q9NR12,HUMAN HGNC=6040 UniProtKB=Q13418,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=11126 UniProtKB=P53814	actin filament
GO:0034599	HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=9355 UniProtKB=P30044,HUMAN HGNC=9353 UniProtKB=P32119,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=9354 UniProtKB=P30048,HUMAN HGNC=9352 UniProtKB=Q06830,HUMAN HGNC=4623 UniProtKB=P00390,HUMAN HGNC=7377 UniProtKB=Q9UJ68	cellular response to oxidative stress
PC00038	HUMAN HGNC=30244 UniProtKB=Q6P1A2,HUMAN HGNC=82 UniProtKB=P09110	acetyltransferase
PC00186	HUMAN HGNC=4459 UniProtKB=P80108,HUMAN HGNC=6737 UniProtKB=O75608,HUMAN HGNC=9065 UniProtKB=P19174,HUMAN HGNC=17038 UniProtKB=Q99685,HUMAN HGNC=9055 UniProtKB=Q00722	phospholipase
GO:0015078	HUMAN HGNC=7687 UniProtKB=O00483,HUMAN HGNC=7421 UniProtKB=P00403,HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=851 UniProtKB=P38606,HUMAN HGNC=2267 UniProtKB=P20674,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=850 UniProtKB=P48047,HUMAN HGNC=812 UniProtKB=P16615	proton transmembrane transporter activity
PC00120	HUMAN HGNC=118 UniProtKB=Q99798,HUMAN HGNC=3149 UniProtKB=Q13011,HUMAN HGNC=3151 UniProtKB=P30084	hydratase
GO:0005887	HUMAN HGNC=8710 UniProtKB=Q9Y5G1,HUMAN HGNC=1630 UniProtKB=P48509,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=3616 UniProtKB=P12318,HUMAN HGNC=8823 UniProtKB=P16284,HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=19100 UniProtKB=Q5VWK5,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=14674 UniProtKB=Q96QU1,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=3540 UniProtKB=Q96RIO,HUMAN HGNC=1709 UniProtKB=P21926,HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=1692 UniProtKB=P08962,HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=806 UniProtKB=P54709,HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9,HUMAN HGNC=6091 UniProtKB=P06213,HUMAN HGNC=237 UniProtKB=O43306	integral component of plasma membrane
GO:0016874	HUMAN HGNC=2520 UniProtKB=Q9NRF8,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=12840 UniProtKB=P54577,HUMAN HGNC=12729 UniProtKB=P23381,HUMAN HGNC=850 UniProtKB=P48047,HUMAN HGNC=4624 UniProtKB=P48637,HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=2678 UniProtKB=P14868,HUMAN HGNC=87	ligase activity

	1 UniProtKB=Q9UII2,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=26664 UniProtKB=Q8N841,HUMAN HGNC=830 UniProtKB=P06576	
GO:190161		organic hydroxy compound
5	HUMAN HGNC=3579 UniProtKB=P16930 HUMAN HGNC=9545 UniProtKB=P28062,HUMAN HGNC=9533 UniProtKB=P25789,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=8993 UniProtKB=P12273,HUMAN HGNC=9750 UniProtKB=P20742,HUMAN HGNC=2482 UniProtKB=P04080,HUMAN HGNC=9554 UniProtKB=Q99460,HUMAN HGNC=9559 UniProtKB=Q13200,HUMAN HGNC=9531 UniProtKB=P25787,HUMAN HGNC=9535 UniProtKB=P60900,HUMAN HGNC=9539 UniProtKB=P49721,HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=9536 UniProtKB=O14818,HUMAN HGNC=9540 UniProtKB=P49720,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=9530 UniProtKB=P25786,HUMAN HGNC=9568 UniProtKB=Q06323,HUMAN HGNC=9532 UniProtKB=P25788,HUMAN HGNC=9537 UniProtKB=P20618	metabolic process
GO:0004175		endopeptidase activity
	HUMAN HGNC=7694 UniProtKB=O14561,HUMAN HGNC=2690 UniProtKB=P07108,HUMAN HGNC=4187 UniProtKB=P02774,HUMAN HGNC=316 UniProtKB=P43652,HUMAN HGNC=317 UniProtKB=P02771,HUMAN HGNC=10992 UniProtKB=P12236,HUMAN HGNC=3951 UniProtKB=Q16595,HUMAN HGNC=18396 UniProtKB=O95969,HUMAN HGNC=9922 UniProtKB=P02753,HUMAN HGNC=10991 UniProtKB=P05141,HUMAN HGNC=11740 UniProtKB=P02787,HUMAN HGNC=6526 UniProtKB=P80188,HUMAN HGNC=399 UniProtKB=P02768	
PC00219		transfer/carrier protein
	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=18233 UniProtKB=Q8NDB2,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,H	
GO:0042113		B cell activation

	UMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860	
GO:0034364	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=1869 UniProtKB=P11597	high-density lipoprotein particle ATP-dependent microtubule motor activity, plus-end-directed
GO:0008574	HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=6317 UniProtKB=O43896	intrinsic apoptotic signaling pathway
GO:0097193	HUMAN HGNC=1050 UniProtKB=P55957,HUMAN HGNC=11283 UniProtKB=P12931	negative regulation of RNA metabolic process
GO:0051253	HUMAN HGNC=9583 UniProtKB=P26599	establishment of protein localization to organelle
GO:0072594	HUMAN HGNC=6499 UniProtKB=P11279,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	transferase activity, transferring acyl groups other than amino-acyl groups
GO:0016747	HUMAN HGNC=82 UniProtKB=P09110	
GO:0006939	HUMAN HGNC=7590 UniProtKB=Q15746	smooth muscle contraction
GO:0051130	HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=243 UniProtKB=P35611	positive regulation of cellular component organization
GO:0002821	HUMAN HGNC=4932 UniProtKB=P01889,HUMAN HGNC=533 UniProtKB=P04083	positive regulation of adaptive immune response
GO:0006221	HUMAN HGNC=2520 UniProtKB=Q9NRF8	pyrimidine nucleotide biosynthetic process
GO:0070328	HUMAN HGNC=1869 UniProtKB=P11597	triglyceride homeostasis
GO:0000792	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	heterochromatin
GO:0016323	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=11027 UniProtKB=P02730,HUMAN HGNC=30377 UniProtKB=Q14160	basolateral plasma membrane
	HUMAN HGNC=9782 UniProtKB=P61018,HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=16075 UniProtKB=Q9H082,HUMAN HGNC=24641 UniProtKB=Q7Z3J2,HUMAN HGNC=11984 UniProtKB=Q6ZVM7,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=11357 UniProtKB=Q92783,HUMAN HGNC=23186 UniProtKB=Q14677	
GO:0005768	HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=812 UniProtKB=P16615	endosome
GO:0070588	HUMAN HGNC=6737 UniProtKB=O75608,HUMAN HGNC=613 UniProtKB=P02649	calcium ion transmembrane transport
GO:0042157		lipoprotein metabolic process

GO:001969		
3	HUMAN HGNC=8052 UniProtKB=Q9UKK9	ribose phosphate metabolic process
GO:000819		UDP-glycosyltransferase activity
4	HUMAN HGNC=24293 UniProtKB=Q70JA7	
GO:000704	HUMAN HGNC=15902 UniProtKB=Q8IXH8,HUMAN HGNC=14265	
3	UniProtKB=Q86UP0,HUMAN HGNC=2047 UniProtKB=O00501	cell-cell junction assembly
	HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=20120	
GO:000014	UniProtKB=Q17RC7,HUMAN HGNC=11429 UniProtKB=O75558,H	
9	UMAN HGNC=11512 UniProtKB=Q9H2B2	SNARE binding
	HUMAN HGNC=7106 UniProtKB=P54252,HUMAN HGNC=20063	
	UniProtKB=Q86T82,HUMAN HGNC=12628 UniProtKB=P45974,HU	
GO:001657	MAN HGNC=25035 UniProtKB=Q5VVQ6,HUMAN HGNC=13485 U	
9	niProtKB=Q9BXU7,HUMAN HGNC=20076 UniProtKB=Q96K76	protein deubiquitination
GO:006004		
8	HUMAN HGNC=12010 UniProtKB=P09493	cardiac muscle contraction
GO:003051		
5	HUMAN HGNC=12755 UniProtKB=Q9UNX4	snoRNA binding
GO:004398	HUMAN HGNC=25473 UniProtKB=Q9P2N6,HUMAN HGNC=25544	
4	UniProtKB=Q9HCI7	histone H4-K16 acetylation
GO:002262	HUMAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=10385	cytosolic small ribosomal subunit
7	UniProtKB=P25398,HUMAN HGNC=10396 UniProtKB=P62249	positive regulation of autophagy
GO:001050		
8	HUMAN HGNC=16276 UniProtKB=Q9C035	
GO:000028		
7	HUMAN HGNC=5157 UniProtKB=P00492	magnesium ion binding
GO:004214	HUMAN HGNC=3350 UniProtKB=P06733,HUMAN HGNC=3353 U	vacuole fusion, non-autophagic
4	niProtKB=P09104,HUMAN HGNC=3354 UniProtKB=P13929	
	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=13420 U	
GO:190157	niProtKB=Q86TP1,HUMAN HGNC=251 UniProtKB=P00326,HUMA	organic substance catabolic process
5	N HGNC=255 UniProtKB=P28332	
GO:001048		H4 histone
5	HUMAN HGNC=25473 UniProtKB=Q9P2N6	acetyltransferase activity
GO:004424	HUMAN HGNC=12009 UniProtKB=P60174,HUMAN HGNC=6517	
9	UniProtKB=P18428	cellular biosynthetic process
	HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=9164	
	UniProtKB=Q99719,HUMAN HGNC=7590 UniProtKB=Q15746,HU	
GO:003215	MAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=667 UniPr	
3	otKB=P61586,HUMAN HGNC=7729 UniProtKB=Q15019	cell division site
	HUMAN HGNC=14313 UniProtKB=Q8WYA0,HUMAN HGNC=2343	
	2 UniProtKB=Q9NXG0,HUMAN HGNC=10252 UniProtKB=O75116,	
	HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=9847	
	UniProtKB=P43487,HUMAN HGNC=5048 UniProtKB=Q00839,HU	
	MAN HGNC=14906 UniProtKB=Q8N4C6,HUMAN HGNC=26281 U	
	niProtKB=Q6ZN84,HUMAN HGNC=7910 UniProtKB=P06748,HUM	
GO:000581	AN HGNC=18994 UniProtKB=Q8TDC3,HUMAN HGNC=29262 Uni	
4	ProtKB=Q9P2H3	centriole
GO:001591		
4	HUMAN HGNC=9093 UniProtKB=P55058	phospholipid transport
	HUMAN HGNC=6401 UniProtKB=Q92973,HUMAN HGNC=2431 U	
	niProtKB=P55060,HUMAN HGNC=8062 UniProtKB=P49790,HUMA	
	N HGNC=9846 UniProtKB=P62826,HUMAN HGNC=17103 UniProt	
	KB=Q9Y5L0,HUMAN HGNC=9852 UniProtKB=O95373,HUMAN HG	
GO:000660	NC=6396 UniProtKB=O00505,HUMAN HGNC=17859 UniProtKB=Q	
6	5SRE5,HUMAN HGNC=6400 UniProtKB=Q14974	protein import into nucleus

GO:000270		positive regulation of lymphocyte mediated immunity
8	HUMAN HGNC=4932 UniProtKB=P01889 HUMAN HGNC=9786 UniProtKB=P20340,HUMAN HGNC=2230 UniProtKB=P53621,HUMAN HGNC=14902 UniProtKB=Q9NRW1,HUMAN HGNC=18621 UniProtKB=Q9Y2V7,HUMAN HGNC=2231 UniProtKB=P53618,HUMAN HGNC=2232 UniProtKB=P35606,HUMAN HGNC=8016 UniProtKB=P46459	intra-Golgi vesicle-mediated transport
GO:000689		
1		
GO:000153	HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=6517 UniProtKB=P18428,HUMAN HGNC=1472 UniProtKB=P49913	lipopolysaccharide binding
0		
GO:007170	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2 HUMAN HGNC=11056 UniProtKB=P48067,HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=18002 UniProtKB=Q9NS69,HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=806 UniProtKB=P54709,HUMAN HGNC=13531 UniProtKB=Q9Y2Q0,HUMAN HGNC=17943 UniProtKB=Q9GZP9,HUMAN HGNC=21101 UniProtKB=O60888,HUMAN HGNC=11985 UniProtKB=O94826,HUMAN HGNC=812 UniProtKB=P16615	nitrogen compound transport
5		
PC00068		primary active transporter
GO:190170	HUMAN HGNC=1516 UniProtKB=P04040,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=612 UniProtKB=P05090	response to oxygen-containing compound
0		
GO:004478	HUMAN HGNC=26555 UniProtKB=Q3SY00,HUMAN HGNC=17060 UniProtKB=Q92845	cilium organization
2		
GO:004592	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=9767 UniProtKB=O00194	positive regulation of exocytosis
1		
GO:003090		
0	HUMAN HGNC=11590 UniProtKB=Q16650	forebrain development
GO:000218	HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=4621 UniProtKB=P15170	cytoplasmic translation
1		
GO:002240		regulation of cell-cell adhesion
7	HUMAN HGNC=23151 UniProtKB=Q86UX7 HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=9069 UniProtKB=Q15149,HUMAN HGNC=25361 UniProtKB=Q8N264	
GO:004206		wound healing
0		
GO:003001	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=18994 UniProtKB=Q8TDC3	establishment of cell polarity
0		
GO:000689	HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=568 UniProtKB=O14617	Golgi to vacuole transport
6		
GO:000581	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 UniProtKB=Q15691,HUMAN HGNC=11126 UniProtKB=P53814	microtubule organizing center
5		
GO:000726	HUMAN HGNC=10011 UniProtKB=Q15382,HUMAN HGNC=21035 UniProtKB=Q8N392	small GTPase mediated signal transduction
4		
GO:005123		regulation of multicellular organismal process
9	HUMAN HGNC=613 UniProtKB=P02649 HUMAN HGNC=16015 UniProtKB=Q9H8S9,HUMAN HGNC=29801 UniProtKB=Q7L9L4,HUMAN HGNC=8927 UniProtKB=Q93100	
PC00138		kinase activator
GO:000628	HUMAN HGNC=26200 UniProtKB=Q9H668,HUMAN HGNC=20473 UniProtKB=Q9BX63,HUMAN HGNC=2717 UniProtKB=Q16531	nucleotide-excision repair
9		
GO:001679	HUMAN HGNC=17059 UniProtKB=Q9NTJ5,HUMAN HGNC=7618 UniProtKB=O14974,HUMAN HGNC=14451 UniProtKB=Q9BQK8,HUMAN HGNC=10542 UniProtKB=O95248	phosphatase activity
1		
PC00112	HUMAN HGNC=16948 UniProtKB=Q969H8,HUMAN HGNC=5466 UniProtKB=P01344,HUMAN HGNC=11766 UniProtKB=P01137	growth factor

GO:0031503	HUMAN HGNC=20120 UniProtKB=Q17RC7,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	protein-containing complex localization
GO:0008284	HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=19312 UniProtKB=Q56P03,HUMAN HGNC=7002 UniProtKB=A6NDR6	positive regulation of cell population proliferation
GO:0016604	HUMAN HGNC=10499 UniProtKB=P06702	nuclear body
GO:0045216	HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=11828 UniProtKB=Q9UDY2,HUMAN HGNC=2444 UniProtKB=P41240	cell-cell junction organization
GO:0030983	HUMAN HGNC=7326 UniProtKB=P20585	mismatched DNA binding
GO:0005637	HUMAN HGNC=8533 UniProtKB=P51575	nuclear inner membrane
GO:0000151	HUMAN HGNC=463 UniProtKB=Q9UKV5,HUMAN HGNC=11619 UniProtKB=Q15370,HUMAN HGNC=17943 UniProtKB=Q9GZP9	ubiquitin ligase complex negative regulation of cellular response to growth factor stimulus
GO:0090288	HUMAN HGNC=7178 UniProtKB=Q13201	
GO:0032432	HUMAN HGNC=6528 UniProtKB=P13796,HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=4381 UniProtKB=Q14344	actin filament bundle
GO:0019934	HUMAN HGNC=7237 UniProtKB=Q9Y6F6	cGMP-mediated signaling
GO:0006812	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2	cation transport
GO:0030141	HUMAN HGNC=11446 UniProtKB=O00186,HUMAN HGNC=11445 UniProtKB=Q15833,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=2532 UniProtKB=P08311,HUMAN HGNC=913 UniProtKB=P20160,HUMAN HGNC=9767 UniProtKB=O00194	secretory granule
GO:0019538	HUMAN HGNC=6517 UniProtKB=P18428	protein metabolic process
PC00102	HUMAN HGNC=6561 UniProtKB=P09382,HUMAN HGNC=7516 UniProtKB=Q9HC84,HUMAN HGNC=13572 UniProtKB=Q9Y6R7,HUMAN HGNC=12726 UniProtKB=P04275,HUMAN HGNC=7515 UniProtKB=P98088,HUMAN HGNC=12601 UniProtKB=O75445,HUMAN HGNC=25012 UniProtKB=Q3ZCW2,HUMAN HGNC=885 UniProtKB=O75882	extracellular matrix protein
GO:0032007	HUMAN HGNC=18423 UniProtKB=O75140	negative regulation of TOR signaling
PC00061	HUMAN HGNC=10494 UniProtKB=P26447,HUMAN HGNC=8044 UniProtKB=P80303,HUMAN HGNC=9935 UniProtKB=Q14257,HUMAN HGNC=10498 UniProtKB=P05109,HUMAN HGNC=10499 UniProtKB=P06702,HUMAN HGNC=1458 UniProtKB=O43852,HUMAN HGNC=10496 UniProtKB=P06703,HUMAN HGNC=1449 UniProtKB=P0DP25,HUMAN HGNC=1452 UniProtKB=P27482,HUMAN HGNC=10497 UniProtKB=P31151,HUMAN HGNC=8043 UniProtKB=Q02818	calmodulin-related
GO:0045597	HUMAN HGNC=11491 UniProtKB=P43405	positive regulation of cell differentiation
GO:0002062	HUMAN HGNC=544 UniProtKB=P08133	chondrocyte differentiation
GO:0006368	HUMAN HGNC=11617 UniProtKB=Q15369,HUMAN HGNC=24224 UniProtKB=Q9NYV4	transcription elongation from RNA polymerase II promoter

GO:003251		late endosome to vacuole transport via multivesicular body sorting pathway
1	HUMAN   HGNC=20954   UniProtKB=Q9NP79	
GO:001682	HUMAN   HGNC=746   UniProtKB=P04424, HUMAN   HGNC=291   UniProtKB=P30566	lyase activity
9		actin filament-based process
GO:003002	HUMAN   HGNC=12736   UniProtKB=O43516, HUMAN   HGNC=21230   UniProtKB=Q9P1F3	
9		
GO:007267		lymphocyte migration
6	HUMAN   HGNC=10632   UniProtKB=P13501	
	HUMAN   HGNC=5575   UniProtKB=A0A0B4J1V2, HUMAN   HGNC=5645   UniProtKB=A0A0C4DH34, HUMAN   HGNC=5549   UniProtKB=A0A0C4DH31, HUMAN   HGNC=5554   UniProtKB=P01743, HUMAN   HGNC=5480   UniProtKB=P01880, HUMAN   HGNC=5659   UniProtKB=A0A0C4DH38, HUMAN   HGNC=5634   UniProtKB=A0A075B7F0, HUMAN   HGNC=38476   UniProtKB=B9A064, HUMAN   HGNC=5861   UniProtKB=A0M8Q6, HUMAN   HGNC=5647   UniProtKB=A0A087WSY4, HUMAN   HGNC=5563   UniProtKB=A0A075B7D0, HUMAN   HGNC=5856   UniProtKB=P0DOY2, HUMAN   HGNC=5606   UniProtKB=P01763, HUMAN   HGNC=5576   UniProtKB=P01817, HUMAN   HGNC=5528   UniProtKB=P01861, HUMAN   HGNC=5541   UniProtKB=P01871, HUMAN   HGNC=5585   UniProtKB=A0A0C4DH32, HUMAN   HGNC=6171   UniProtKB=Q08881, HUMAN   HGNC=5551   UniProtKB=A0A0C4DH33, HUMAN   HGNC=5526   UniProtKB=P01859, HUMAN   HGNC=5657   UniProtKB=P0DP08, HUMAN   Ensembl=ENSG00000282639   UniProtKB=A0A0J9YX35, HUMAN   Gene=HV309_HUMAN   UniProtKB=P01782, HUMAN   HGNC=5654   UniProtKB=P01825, HUMAN   HGNC=5553   UniProtKB=A0A0A0MS14, HUMAN   Gene=HV108_HUMAN   UniProtKB=P0DP01, HUMAN   HGNC=5624   UniProtKB=A0A0B4J1X5, HUMAN   HGNC=5620   UniProtKB=P01780, HUMAN   HGNC=5598   UniProtKB=A0A0C4DH35, HUMAN   HGNC=5580   UniProtKB=P01762, HUMAN   HGNC=5633   UniProtKB=A0A075B7D8, HUMAN   HGNC=5582   UniProtKB=A0A0B4J1V0, HUMAN   HGNC=5478   UniProtKB=P01876, HUMAN   HGNC=5617   UniProtKB=A0A075B6Q5, HUMAN   HGNC=5594   UniProtKB=P0DP03, HUMAN   HGNC=5655   UniProtKB=A0A0C4DH41, HUMAN   HGNC=5636   UniProtKB=A0A075B7B8, HUMAN   HGNC=5586   UniProtKB=A0A0B4J1V1, HUMAN   HGNC=5581   UniProtKB=P01766, HUMAN   HGNC=5622   UniProtKB=A0A0B4J1Y9, HUMAN   HGNC=5652   UniProtKB=A0A075B6R2, HUMAN   HGNC=5593   UniProtKB=P0DP02, HUMAN   HGNC=5479   UniProtKB=P01877, HUMAN   HGNC=5619   UniProtKB=A0A0C4DH42, HUMAN   HGNC=5596   UniProtKB=P01772, HUMAN   HGNC=5550   UniProtKB=P23083, HUMAN   HGNC=11491   UniProtKB=P43405, HUMAN   HGNC=5604   UniProtKB=A0A0B4J1X8, HUMAN   HGNC=5525   UniProtKB=P01857, HUMAN   HGNC=5662   UniProtKB=A0A0B4J1U7, HUMAN   HGNC=5601   UniProtKB=A0A0C4DH36, HUMAN   HGNC=5716   UniProtKB=P01834, HUMAN   HGNC=5588   UniProtKB=P01764, HUMAN   HGNC=5857   UniProtKB=P0DOY3, HUMAN   HGNC=5610   UniProtKB=P01767, HUMAN   Ensembl=ENSG00000282150   UniProtKB=A0A0J9YY99, HUMAN   HGNC=5527   UniProtKB=P01860	
GO:005085	HUMAN   HGNC=26486   UniProtKB=Q6PJW8, HUMAN   HGNC=3757   UniProtKB=O75955, HUMAN   HGNC=10534   UniProtKB=Q9NR31, HUMAN   HGNC=533   UniProtKB=P04083	B cell receptor signaling pathway
3		
GO:005105	HUMAN   HGNC=4037   UniProtKB=P06241, HUMAN   HGNC=11364   UniProtKB=P40763, HUMAN   HGNC=24588   UniProtKB=Q86XP6, HUMAN	positive regulation of transport
0		regulation of cell population proliferation
GO:004212		
7		

GO:0005654	MAN HGNC=12841 UniProtKB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=6735 UniProtKB=P07948,HUMAN HGNC=11766 UniProtKB=P01137	nucleoplasm
PC00028	HUMAN HGNC=8648 UniProtKB=Q15366,HUMAN HGNC=5043 UniProtKB=P31942,HUMAN HGNC=23172 UniProtKB=Q8N699,HUMAN HGNC=29190 UniProtKB=Q9UPQ9,HUMAN HGNC=26022 UniProtKB=Q7L0Y3,HUMAN HGNC=6396 UniProtKB=O00505,HUMAN HGNC=9813 UniProtKB=P54727,HUMAN HGNC=26224 UniProtKB=Q9H5Z6,HUMAN HGNC=8087 UniProtKB=P29728,HUMAN HGNC=8647 UniProtKB=Q15365,HUMAN HGNC=9568 UniProtKB=Q06323,HUMAN HGNC=5036 UniProtKB=Q14103,HUMAN HGNC=26378 UniProtKB=Q8N7C3,HUMAN HGNC=16272 UniProtKB=Q96JK9,HUMAN HGNC=7910 UniProtKB=P06748	Hsp90 family chaperone
GO:0016746	HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=12028 UniProtKB=P14625	transferase activity,
GO:0000187	HUMAN HGNC=2422 UniProtKB=O75390,HUMAN HGNC=3531 UniProtKB=P00488	transferring acyl groups
	HUMAN HGNC=6766 UniProtKB=Q8WYG6,HUMAN HGNC=6840 UniProtKB=Q02750	activation of MAPK activity
GO:0050794	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=16753 UniProtKB=P30041,HUMAN HGNC=9355 UniProtKB=P30044,HUMAN HGNC=9353 UniProtKB=P32119,HUMAN HGNC=9354 UniProtKB=P30048,HUMAN HGNC=9352 UniProtKB=Q06830,HUMAN HGNC=4623 UniProtKB=P00390,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	regulation of cellular process
GO:0023051	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2	regulation of signaling
GO:0003727	HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=6038 UniProtKB=Q12906,HUMAN HGNC=3285 UniProtKB=P23588	single-stranded RNA binding
GO:0034976	HUMAN HGNC=30167 UniProtKB=P13667,HUMAN HGNC=8548 UniProtKB=P07237,HUMAN HGNC=4606 UniProtKB=P30101	response to endoplasmic reticulum stress
GO:0046580	HUMAN HGNC=25361 UniProtKB=Q8N264	negative regulation of Ras protein signal transduction
GO:1903706	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=29884 UniProtKB=Q8TF42	regulation of hemopoiesis
	HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=4398 UniProtKB=P62879,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=20731 UniProtKB=Q9HAV0,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=12841 UniProtKB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=6735 UniProtKB=P07948,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=4396 UniProtKB=P62873	extrinsic component of cytoplasmic side of plasma membrane
GO:0006869	HUMAN HGNC=9922 UniProtKB=P02753,HUMAN HGNC=14637 UniProtKB=Q86UK0,HUMAN HGNC=1869 UniProtKB=P11597	lipid transport
	HUMAN HGNC=7900 UniProtKB=P55786,HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=317 UniProtKB=P02771,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=395 UniProtKB=P13716,HUMAN HGNC=18173 UniProtKB=Q9NZ08,HUMAN HGNC=255 UniProtKB=P28332	zinc ion binding
GO:0008270		establishment of protein
GO:0072666	HUMAN HGNC=1406 UniProtKB=Q9Y698	localization to vacuole

GO:0006509	HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=188 UniProtKB=O14672	membrane protein ectodomain proteolysis
GO:0031981	HUMAN HGNC=9552 UniProtKB=P62195	nuclear lumen
GO:0042162	HUMAN HGNC=19246 UniProtKB=Q9NYB0	telomeric DNA binding
PC00180	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=3423 UniProtKB=P11678,HUMAN HGNC=16753 UniProtKB=P30041,HUMAN HGNC=4555 UniProtKB=P22352,HUMAN HGNC=7218 UniProtKB=P05164,HUMAN HGNC=9353 UniProtKB=P32119,HUMAN HGNC=1516 UniProtKB=P04040,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=9354 UniProtKB=P30048,HUMAN HGNC=9352 UniProtKB=Q06830	peroxidase
GO:0005680	HUMAN HGNC=15713 UniProtKB=Q9UJX4,HUMAN HGNC=14452 UniProtKB=Q9NYG5	anaphase-promoting complex
PC00263	HUMAN HGNC=782 UniProtKB=O95260,HUMAN HGNC=12840 UniProtKB=P54577	translational protein
GO:0033674	HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=6091 UniProtKB=P06213	positive regulation of kinase activity
GO:0046579	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=3540 UniProtKB=Q96RI0	positive regulation of Ras protein signal transduction nuclear receptor
GO:0030374	HUMAN HGNC=30025 UniProtKB=Q5VV67,HUMAN HGNC=7670 UniProtKB=Q9Y6Q9	transcription coactivator activity
GO:0016787	HUMAN HGNC=18344 UniProtKB=Q9BX68,HUMAN HGNC=3579 UniProtKB=P16930,HUMAN HGNC=343 UniProtKB=P23526	hydrolase activity
GO:0004540	HUMAN HGNC=10046 UniProtKB=P12724,HUMAN HGNC=10045 UniProtKB=P10153	ribonuclease activity
GO:0005488	HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=4555 UniProtKB=P22352,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=6526 UniProtKB=P80188,HUMAN HGNC=2905 UniProtKB=O14490,HUMAN HGNC=7729 UniProtKB=Q15019	binding
GO:0071407	HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=9857 UniProtKB=P61224	cellular response to organic cyclic compound
GO:0048194	HUMAN HGNC=24878 UniProtKB=Q9BVK6	Golgi vesicle budding
GO:0005813	HUMAN HGNC=14313 UniProtKB=Q8WYAO,HUMAN HGNC=23432 UniProtKB=Q9NXG0,HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=14906 UniProtKB=Q8N4C6,HUMAN HGNC=26281 UniProtKB=Q6ZN84,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=18994 UniProtKB=Q8TDC3,HUMAN HGNC=29262 UniProtKB=Q9P2H3	centrosome
GO:0006836	HUMAN HGNC=16937 UniProtKB=O75915	neurotransmitter transport
GO:0030518	HUMAN HGNC=11283 UniProtKB=P12931	intracellular steroid hormone receptor signaling pathway
GO:0016569	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	covalent chromatin modification

GO:0019888	HUMAN HGNC=1173 UniProtKB=Q5H9R7,HUMAN HGNC=9302 UniProtKB=P30153,HUMAN HGNC=9308 UniProtKB=Q15257,HUMAN HGNC=9304 UniProtKB=P63151	protein phosphatase regulator activity
GO:0008417	HUMAN HGNC=14683 UniProtKB=Q9Y2G5 HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=25541 UniProtKB=P57088,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=11231 UniProtKB=Q8WXF7,HUMAN HGNC=12648 UniProtKB=Q9P0L0 HUMAN HGNC=3530 UniProtKB=P00748,HUMAN HGNC=5141 UniProtKB=P00738,HUMAN HGNC=21265 UniProtKB=Q9NZP8,HUMAN HGNC=5156 UniProtKB=P00739	fucosyltransferase activity
GO:0007029		endoplasmic reticulum organization
GO:0031638		zymogen activation
PC00173	HUMAN HGNC=18344 UniProtKB=Q9BX68	nucleotide phosphatase
GO:1901363	HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=9725 UniProtKB=P06737	heterocyclic compound binding
GO:0000781	HUMAN HGNC=26200 UniProtKB=Q9H668	chromosome, telomeric region
GO:0019432	HUMAN HGNC=14451 UniProtKB=Q9BQK8	triglyceride biosynthetic process
GO:0009113	HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=5157 UniProtKB=P00492	purine nucleobase biosynthetic process
GO:0033962	HUMAN HGNC=17259 UniProtKB=Q9Y4Z0	cytoplasmic mRNA processing body assembly
GO:0006612	HUMAN HGNC=30389 UniProtKB=Q96A65,HUMAN HGNC=7629 UniProtKB=E9PAV3	protein targeting to membrane
GO:0034220	HUMAN HGNC=16804 UniProtKB=O00308	ion transmembrane transport
GO:0008654	HUMAN HGNC=9141 UniProtKB=Q15126	phospholipid biosynthetic process
GO:0034968	HUMAN HGNC=9349 UniProtKB=Q9NQX1	histone lysine methylation
GO:0008250	HUMAN HGNC=10381 UniProtKB=P04843,HUMAN HGNC=10382 UniProtKB=P04844,HUMAN HGNC=2728 UniProtKB=P39656 HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=17905 UniProtKB=Q9Y613,HUMAN HGNC=1738 UniProtKB=Q9Y5S2 HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=14294 UniProtKB=Q9BYB0	oligosaccharyltransferase complex
GO:0005856		cytoskeleton
GO:0014069		postsynaptic density
GO:0042773	HUMAN HGNC=7421 UniProtKB=P00403	ATP synthesis coupled electron transport
GO:0042165	HUMAN HGNC=16768 UniProtKB=O60391 HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317	neurotransmitter binding
GO:0048675		axon extension
GO:0005876	HUMAN HGNC=5048 UniProtKB=Q00839 HUMAN HGNC=418 UniProtKB=P09972,HUMAN HGNC=414 UniProtKB=P04075,HUMAN HGNC=11559 UniProtKB=P37837	spindle microtubule
PC00044		aldolase

GO:000625		
9	HUMAN   HGNC=4861   UniProtKB=Q9NRZ9	DNA metabolic process
GO:000636		transcription initiation from
7	HUMAN   HGNC=19985   UniProtKB=P53999, HUMAN   HGNC=17305   UniProtKB=Q9Y6J9 HUMAN   HGNC=4127   UniProtKB=Q7Z7M9, HUMAN   HGNC=24293   UniProtKB=Q70JA7, HUMAN   HGNC=10382   UniProtKB=P04844, HUMAN   HGNC=2728   UniProtKB=P39656, HUMAN   HGNC=30611   UniProtKB=Q8TCJ2, HUMAN   HGNC=9725   UniProtKB=P06737, HUMAN   HGNC=4699   UniProtKB=P46976, HUMAN   HGNC=10381   UniProtKB=P04843, HUMAN   HGNC=17973   UniProtKB=Q9P109, HUMAN   HGNC=3148   UniProtKB=P19971, HUMAN   HGNC=9723   UniProtKB=P11216, HUMAN   HGNC=5157   UniProtKB=P00492, HUMAN   HGNC=15663   UniProtKB=Q9NYU2, HUMAN   HGNC=14683   UniProtKB=Q9Y2G5	RNA polymerase II promoter
PC00111	HUMAN   HGNC=25951   UniProtKB=Q6ULP2, HUMAN   Gene=SEP15   UniProtKB=O60613, HUMAN   HGNC=9784   UniProtKB=P61020, HUMAN   HGNC=11834   UniProtKB=P29401, HUMAN   HGNC=555   UniProtKB=O43747, HUMAN   HGNC=813   UniProtKB=Q93084, HUMAN   HGNC=13487   UniProtKB=Q96QK1, HUMAN   HGNC=463   UniProtKB=Q9UKV5, HUMAN   HGNC=11445   UniProtKB=Q15833, HUMAN   HGNC=9756   UniProtKB=O00391, HUMAN   HGNC=15453   UniProtKB=Q9H3P7, HUMAN   HGNC=9761   UniProtKB=Q15907, HUMAN   HGNC=10996   UniProtKB=O14975, HUMAN   HGNC=9785   UniProtKB=P51148, HUMAN   HGNC=2230   UniProtKB=P53621, HUMAN   HGNC=2431   UniProtKB=P55060, HUMAN   HGNC=16268   UniProtKB=Q8IY17, HUMAN   HGNC=9772   UniProtKB=Q13637, HUMAN   HGNC=24251   UniProtKB=Q9Y3A6, HUMAN   HGNC=8569   UniProtKB=P29122, HUMAN   HGNC=4606   UniProtKB=P30101, HUMAN   HGNC=25153   UniProtKB=Q96EY5, HUMAN   HGNC=9782   UniProtKB=P61018, HUMAN   HGNC=11446   UniProtKB=O00186, HUMAN   HGNC=11172   UniProtKB=Q13596, HUMAN   HGNC=16499   UniProtKB=Q96DA2, HUMAN   HGNC=16075   UniProtKB=Q9H082, HUMAN   HGNC=11442   UniProtKB=O15400, HUMAN   HGNC=9852   UniProtKB=O95373, HUMAN   HGNC=16090   UniProtKB=O00264, HUMAN   HGNC=11740   UniProtKB=P02787, HUMAN   HGNC=16996   UniProtKB=Q15363, HUMAN   HGNC=30384   UniProtKB=Q9UMX5, HUMAN   HGNC=7007   UniProtKB=P61006, HUMAN   HGNC=14902   UniProtKB=Q9NRW1, HUMAN   HGNC=26212   UniProtKB=P61009, HUMAN   HGNC=9935   UniProtKB=Q14257, HUMAN   HGNC=11984   UniProtKB=Q6ZVM7, HUMAN   HGNC=15999   UniProtKB=Q9NZV5, HUMAN   HGNC=23186   UniProtKB=Q14677, HUMAN   HGNC=8016   UniProtKB=P46459, HUMAN   HGNC=16524   UniProtKB=P61106, HUMAN   HGNC=20726   UniProtKB=Q8WVM8, HUMAN   HGNC=1458   UniProtKB=O43852, HUMAN   HGNC=13529   UniProtKB=Q9Y2B0, HUMAN   HGNC=2532   UniProtKB=P08311, HUMAN   HGNC=5238   UniProtKB=P11021, HUMAN   HGNC=16998   UniProtKB=P49755, HUMAN   HGNC=11357   UniProtKB=Q92783, HUMAN   HGNC=3419   UniProtKB=P42566, HUMAN   HGNC=16695   UniProtKB=P51572, HUMAN   HGNC=30167   UniProtKB=P13667, HUMAN   HGNC=8761   UniProtKB=Q9BUL8, HUMAN   HGNC=20954   UniProtKB=Q9NP79, HUMAN   HGNC=15461   UniProtKB=P55145, HUMAN   HGNC=21354   UniProtKB=Q86XR7, HUMAN   HGNC=24634   UniProtKB=Q9UBC2, HUMAN   HGNC=1546   UniProtKB=P50454, HUMAN   HGNC=30220   UniProtKB=Q96AA3, HUMAN   HGNC=3530   UniProtKB=P00748, HUMAN	glycosyltransferase
GO:000577		
3		vacuole

	MAN HGNC=9786 UniProtKB=P20340,HUMAN HGNC=17103 UniProtKB=Q9Y5L0,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=15588 UniProtKB=Q96C24,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=649 UniProtKB=P48444,HUMAN HGNC=18370 UniProtKB=Q9H0U4,HUMAN HGNC=24641 UniProtKB=Q7Z3J2,HUMAN HGNC=19983 UniProtKB=Q86YS6,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=10382 UniProtKB=P04844,HUMAN HGNC=9411 UniProtKB=P14314,HUMAN HGNC=17943 UniProtKB=Q9GZP9,HUMAN HGNC=6752 UniProtKB=P20645,HUMAN HGNC=15606 UniProtKB=Q9UHA4,HUMAN HGNC=24175 UniProtKB=Q9P035,HUMAN HGNC=16089 UniProtKB=O15173,HUMAN HGNC=8533 UniProtKB=P51575,HUMAN HGNC=17059 UniProtKB=Q9NTJ5,HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=17859 UniProtKB=Q5SRE5,HUMAN HGNC=25541 UniProtKB=P57088,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=8515 UniProtKB=Q9HC10,HUMAN HGNC=30052 UniProtKB=Q8TEM1,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN HGNC=8548 UniProtKB=P07237,HUMAN HGNC=568 UniProtKB=O14617,HUMAN HGNC=18673 UniProtKB=Q96JB5,HUMAN HGNC=1473 UniProtKB=P27824,HUMAN HGNC=8504 UniProtKB=Q969R2,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=13921 UniProtKB=O95870,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=20653 UniProtKB=Q8IVB4,HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=30550 UniProtKB=O60337,HUMAN HGNC=4248 UniProtKB=Q92820,HUMAN HGNC=2689 UniProtKB=P09172,HUMAN HGNC=10701 UniProtKB=Q15436,HUMAN HGNC=11326 UniProtKB=P51571,HUMAN HGNC=4298 UniProtKB=P16278,HUMAN HGNC=8062 UniProtKB=P49790,HUMAN HGNC=9758 UniProtKB=P62820,HUMAN HGNC=2232 UniProtKB=P35606,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HGNC=11512 UniProtKB=Q9H2B2,HUMAN HGNC=18263 UniProtKB=Q9UL25,HUMAN HGNC=812 UniProtKB=P16615,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=18587 UniProtKB=O94901,HUMAN HGNC=18621 UniProtKB=Q9Y2V7,HUMAN HGNC=1455 UniProtKB=P27797,HUMAN HGNC=2231 UniProtKB=P53618,HUMAN HGNC=2728 UniProtKB=P39656,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=20175 UniProtKB=Q9Y3E0,HUMAN HGNC=12648 UniProtKB=Q9P0L0,HUMAN HGNC=1801 UniProtKB=O95674,HUMAN HGNC=10381 UniProtKB=P04843,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=15663 UniProtKB=Q9NYU2,HUMAN HGNC=24878 UniProtKB=Q9BVK6,HUMAN HGNC=9767 UniProtKB=O00194	
GO:009719 1	HUMAN HGNC=1050 UniProtKB=P55957,HUMAN HGNC=17712 UniProtKB=O15304,HUMAN HGNC=11283 UniProtKB=P12931	extrinsic apoptotic signaling pathway
GO:000638 8	HUMAN HGNC=28422 UniProtKB=Q8NCE0	tRNA splicing, via
	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=568 UniProtKB=O14617,HUMAN HGNC=561 UniProtKB=O95782	endonucleolytic cleavage and ligation
GO:003011 9		AP-type membrane coat adaptor complex

GO:0043124	HUMAN HGNC=29890 UniProtKB=Q86UT6,HUMAN HGNC=9275 UniProtKB=P35813	negative regulation of I-kappaB kinase/NF-kappaB signaling
GO:0072329	HUMAN HGNC=3579 UniProtKB=P16930,HUMAN HGNC=8891 UniProtKB=P52209	monocarboxylic acid catabolic process
GO:0061844	HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=2761 UniProtKB=P59665,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776,HUMAN HGNC=1472 UniProtKB=P49913	antimicrobial humoral immune response mediated by antimicrobial peptide
GO:0007166	HUMAN HGNC=3616 UniProtKB=P12318,HUMAN HGNC=8823 UniProtKB=P16284,HUMAN HGNC=6871 UniProtKB=P28482,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=12203 UniProtKB=A0A075B6N3,HUMAN HGNC=6517 UniProtKB=P18428	cell surface receptor signaling pathway
GO:0000422	HUMAN HGNC=21689 UniProtKB=Q9Y3D6,HUMAN HGNC=2973 UniProtKB=O00429	autophagy of mitochondrion
GO:0051650	HUMAN HGNC=9767 UniProtKB=O00194	establishment of vesicle localization
GO:0030173	HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=9756 UniProtKB=O00391	integral component of Golgi membrane
GO:0010769	HUMAN HGNC=6616 UniProtKB=P48059	regulation of cell morphogenesis involved in differentiation
GO:0090502	HUMAN HGNC=20165 UniProtKB=Q9P2P1	RNA phosphodiester bond hydrolysis, endonucleolytic
PC00237	HUMAN HGNC=39025 UniProtKB=Q9QC07,HUMAN Gene=ENH1_	viral or transposable element protein
PC00185	HUMAN UniProtKB=Q9N2K0	
GO:0007224	HUMAN HGNC=8783 UniProtKB=Q08499,HUMAN HGNC=21416 UniProtKB=Q92485,HUMAN HGNC=8784 UniProtKB=O76074	phosphodiesterase smoothened signaling pathway
GO:0043436	HUMAN HGNC=11119 UniProtKB=Q99835	
GO:0006826	HUMAN HGNC=13420 UniProtKB=Q86TP1	oxoacid metabolic process
GO:0099512	HUMAN HGNC=11740 UniProtKB=P02787,HUMAN HGNC=2295 UniProtKB=P00450,HUMAN HGNC=11763 UniProtKB=P02786	iron ion transport
GO:0055037	HUMAN HGNC=2209 UniProtKB=P20908	supramolecular fiber
GO:0006518	HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11740 UniProtKB=P02787,HUMAN HGNC=20653 UniProtKB=Q8IVB4,HUMAN HGNC=9761 UniProtKB=Q15907	recycling endosome
GO:0004629	HUMAN HGNC=7900 UniProtKB=P55786,HUMAN HGNC=5381 UniProtKB=P14735,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=18173 UniProtKB=Q9NZ08,HUMAN HGNC=2312 UniProtKB=P15169	peptide metabolic process
GO:0003725	HUMAN HGNC=9055 UniProtKB=Q00722	phospholipase C activity
GO:0030509	HUMAN HGNC=8087 UniProtKB=P29728,HUMAN HGNC=226 UniProtKB=P78563,HUMAN HGNC=17904 UniProtKB=Q9NRR4,HUMAN HGNC=6038 UniProtKB=Q12906,HUMAN HGNC=3285 UniProtKB=P23588	double-stranded RNA binding
GO:0032990	HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=11766 UniProtKB=P01137	BMP signaling pathway
	HUMAN HGNC=6047 UniProtKB=Q16891	cell part morphogenesis

GO:003586	1	HUMAN HGNC=26200 UniProtKB=Q9H668	site of double-strand break
GO:000639	6	HUMAN HGNC=226 UniProtKB=P78563,HUMAN HGNC=17904 UniProtKB=Q9NRR4	RNA processing
GO:000575	9	HUMAN HGNC=5269 UniProtKB=P61604,HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=2422 UniProtKB=O75390,HUMAN HGNC=4801 UniProtKB=P40939	mitochondrial matrix
GO:000679	0	HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=7413 UniProtKB=Q13126,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=4621 UniProtKB=P15170,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=343 UniProtKB=P23526,HUMAN HGNC=12388 UniProtKB=Q16762,HUMAN HGNC=7223 UniProtKB=P25325	sulfur compound metabolic process
GO:001000	8	HUMAN HGNC=11172 UniProtKB=Q13596,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=568 UniProtKB=O14617	endosome membrane
GO:000716	5	HUMAN HGNC=8510 UniProtKB=Q92882,HUMAN HGNC=8783 UniProtKB=Q08499,HUMAN HGNC=28817 UniProtKB=Q96AG4,HUMAN HGNC=11984 UniProtKB=Q6ZVM7,HUMAN HGNC=10464 UniProtKB=Q15404,HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=7967 UniProtKB=Q96RI1,HUMAN HGNC=6050 UniProtKB=P29218,HUMAN HGNC=15842 UniProtKB=Q96RT1,HUMAN HGNC=8784 UniProtKB=O76074	signal transduction
GO:000504	8	HUMAN HGNC=6401 UniProtKB=Q92973,HUMAN HGNC=8062 UniProtKB=P49790,HUMAN HGNC=6396 UniProtKB=O00505,HUMAN HGNC=6400 UniProtKB=Q14974	signal sequence binding
GO:000574	6	HUMAN HGNC=7687 UniProtKB=O00483,HUMAN HGNC=2265 UniProtKB=P13073,HUMAN HGNC=2288 UniProtKB=P14406,HUMAN HGNC=2267 UniProtKB=P20674	mitochondrial respirasome
GO:000718	6	HUMAN HGNC=711 UniProtKB=P49407,HUMAN HGNC=4398 UniProtKB=P62879,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=20731 UniProtKB=Q9HAV0,HUMAN HGNC=3964 UniProtKB=P01225,HUMAN HGNC=16452 UniProtKB=P0DN86,HUMAN HGNC=16721 UniProtKB=A6NKKQ9,HUMAN HGNC=4396 UniProtKB=P62873	G protein-coupled receptor signaling pathway
GO:001046	8	HUMAN HGNC=8648 UniProtKB=Q15366,HUMAN HGNC=6871 UniProtKB=P28482,HUMAN HGNC=5036 UniProtKB=Q14103,HUMAN HGNC=6876 UniProtKB=Q16539,HUMAN HGNC=13506 UniProtKB=Q8TBJ5	regulation of gene expression
GO:005082	1	HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=1735 UniProtKB=Q16543	protein stabilization
GO:000167	1	HUMAN HGNC=806 UniProtKB=P54709	ATPase activator activity
GO:004316	1	HUMAN HGNC=9545 UniProtKB=P28062,HUMAN HGNC=9533 UniProtKB=P25789,HUMAN HGNC=15713 UniProtKB=Q9UJX4,HUMAN HGNC=9554 UniProtKB=Q99460,HUMAN HGNC=2717 UniProtKB=Q16531,HUMAN HGNC=9813 UniProtKB=P54727,HUMAN HGNC=16804 UniProtKB=O00308,HUMAN HGNC=9559 UniProtKB=Q13200,HUMAN HGNC=9531 UniProtKB=P25787,HUMAN HGNC=9535 UniProtKB=P60900,HUMAN HGNC=9539 UniProtKB=P49721,HUMAN HGNC=9536 UniProtKB=O14818,HUMAN HGNC=9540 UniProtKB=P49720,HUMAN HGNC=15912 UniProtKB=Q9UNZ2,HUMAN HGNC=9530 UniProtKB=P25786,HUMAN HGNC=9565 UniProtKB=P51665,HUMAN HGNC=9532 UniProtKB=P25788,HUMAN HGNC=9537 UniProtKB=P20618	proteasome-mediated ubiquitin-dependent protein catabolic process

GO:0015850	HUMAN HGNC=9922 UniProtKB=P02753,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2 HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=18587 UniProtKB=Q94901,HUMAN HGNC=6890 UniProtKB=Q15691,HUMAN HGNC=12022 UniProtKB=P13693,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=1990 UniProtKB=Q8WWK9	organic hydroxy compound transport
PC00166	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=6407 UniProtKB=P01116,HUMAN HGNC=669 UniProtKB=P08134,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=10447 UniProtKB=P10301,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=10011 UniProtKB=Q15382,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=9846 UniProtKB=P62826,HUMAN HGNC=9840 UniProtKB=P11234	non-motor microtubule binding protein
PC00208		small GTPase
GO:0000307	HUMAN HGNC=24224 UniProtKB=Q9NYV4	cyclin-dependent protein
GO:0043021	HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=3285 UniProtKB=P23588	kinase holoenzyme complex
GO:0043065	HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=533 UniProtKB=P04083	ribonucleoprotein complex binding
GO:0019722		positive regulation of apoptotic process
GO:0009059	HUMAN HGNC=9314 UniProtKB=Q08209	calcium-mediated signaling
	HUMAN HGNC=6517 UniProtKB=P18428	macromolecule biosynthetic process
	HUMAN HGNC=1441 UniProtKB=Q05682,HUMAN HGNC=12733 UniProtKB=Q9Y6W5,HUMAN HGNC=1488 UniProtKB=P52907,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4620 UniProtKB=P06396,HUMAN HGNC=2252 UniProtKB=P31146,HUMAN HGNC=15750 UniProtKB=P60981,HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=3750 UniProtKB=Q13045,HUMAN HGNC=2254 UniProtKB=Q9ULV4,HUMAN HGNC=2253 UniProtKB=Q9BR76,HUMAN HGNC=6528 UniProtKB=P13796,HUMAN HGNC=27937 UniProtKB=Q6ZVH7,HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=12754 UniProtKB=O75083,HUMAN HGNC=8881 UniProtKB=P07737,HUMAN HGNC=1874 UniProtKB=P23528,HUMAN HGNC=18304 UniProtKB=Q14019,HUMAN HGNC=6707 UniProtKB=P33241,HUMAN HGNC=26161 UniProtKB=P57737,HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=1491 UniProtKB=P47756,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=11554 UniProtKB=P37802	non-motor actin binding protein
PC00165	HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=1735 UniProtKB=Q16543,HUMAN HGNC=5238 UniProtKB=P11021,HUMAN HGNC=5240 UniProtKB=P48741,HUMAN HGNC=11343 UniProtKB=P50502	heat shock protein binding
GO:0031072		cellular calcium ion
GO:0006874	HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=812 UniProtKB=P16615	homeostasis
		nucleobase-containing small molecule biosynthetic process
GO:0034404	HUMAN HGNC=5157 UniProtKB=P00492	

GO:190265 2	HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=5383 UniProtKB=P48735,HUMAN HGNC=5386 UniProtKB=P51553	secondary alcohol metabolic process
GO:007038 2	HUMAN HGNC=15588 UniProtKB=Q96C24,HUMAN HGNC=11512 UniProtKB=Q9H2B2 HUMAN HGNC=12405 UniProtKB=P02766,HUMAN HGNC=24254 UniProtKB=Q96CN7,HUMAN HGNC=1122 UniProtKB=P43251,HUMAN HGNC=343 UniProtKB=P23526,HUMAN HGNC=8903 UniProtKB=O95336	exocytic vesicle
PC00121 GO:004802 4	HUMAN HGNC=9583 UniProtKB=P26599,HUMAN HGNC=5044 UniProtKB=P61978,HUMAN HGNC=24932 UniProtKB=Q9NZ63	hydrolase regulation of mRNA splicing, via spliceosome
GO:001592 6	HUMAN HGNC=15527 UniProtKB=Q86Z14	glucosidase activity
GO:001051 7	HUMAN HGNC=533 UniProtKB=P04083 HUMAN HGNC=14008 UniProtKB=Q9BW11,HUMAN HGNC=29353 UniProtKB=Q6PI77,HUMAN HGNC=7629 UniProtKB=E9PAV3	regulation of phospholipase activity
PC00055	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=1908 UniProtKB=Q96RL7,HUMAN HGNC=11881 UniProtKB=P62328,HUMAN HGNC=23594 UniProtKB=Q709C8	basic helix-loop-helix transcription factor
GO:005165 1		maintenance of location in cell
GO:005127 9	HUMAN HGNC=29884 UniProtKB=Q8TF42	regulation of release of sequestered calcium ion into cytosol
GO:004362 4	HUMAN HGNC=7641 UniProtKB=P54920	cellular protein complex disassembly
GO:000046 2		maturation of SSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA)
GO:003612 6	HUMAN HGNC=8898 UniProtKB=P07205 HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=	sperm flagellum
GO:005125 1		positive regulation of lymphocyte activation

	=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860	
GO:0042383	HUMAN HGNC=9069 UniProtKB=Q15149	sarcolemma
GO:0006487	HUMAN HGNC=4242 UniProtKB=O94808,HUMAN HGNC=10382 UniProtKB=P04844	protein N-linked glycosylation
GO:0016573	HUMAN HGNC=17305 UniProtKB=Q9Y6J9,HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=10475 UniProtKB=Q9Y230	histone acetylation
GO:0031507	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	heterochromatin assembly
GO:0006338	HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=10475 UniProtKB=Q9Y230,HUMAN HGNC=18039 UniProtKB=Q9UGL1	chromatin remodeling
GO:0007044	HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=9069 UniProtKB=Q15149	cell-substrate junction assembly
GO:0016763	HUMAN HGNC=7413 UniProtKB=Q13126,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=7892 UniProtKB=P00491,HUMAN HGNC=5157 UniProtKB=P00492	transferase activity, transferring pentosyl groups
GO:0006793	HUMAN HGNC=13420 UniProtKB=Q86TP1	phosphorus metabolic process
GO:0045453	HUMAN HGNC=29884 UniProtKB=Q8TF42,HUMAN HGNC=11283 UniProtKB=P12931	bone resorption
GO:0050660	HUMAN HGNC=13397 UniProtKB=Q9UHQ9,HUMAN HGNC=2898 UniProtKB=P09622,HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=119 UniProtKB=Q15067,HUMAN HGNC=2873 UniProtKB=P00387,HUMAN HGNC=4623 UniProtKB=P00390	flavin adenine dinucleotide binding
GO:0006979	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=1516 UniProtKB=P04040,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=612 UniProtKB=P05090	response to oxidative stress
GO:0007189	HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=237 UniProtKB=O43306	adenylate cyclase-activating G protein-coupled receptor signaling pathway
GO:0048193	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=11172 UniProtKB=Q13596	Golgi vesicle transport
PC00226	HUMAN HGNC=24335 UniProtKB=Q99627,HUMAN HGNC=28920 UniProtKB=Q5SW79,HUMAN HGNC=12851 UniProtKB=P62258,HUMAN HGNC=18271 UniProtKB=Q8N8S7,HUMAN HGNC=12849 UniProtKB=P31946,HUMAN HGNC=23416 UniProtKB=Q641Q2,HUMAN HGNC=25316 UniProtKB=Q5VZ19,HUMAN HGNC=19974 UniProtKB=Q8IUC4,HUMAN HGNC=2905 UniProtKB=O14490,HUMAN HGNC=11320 UniProtKB=Q8IZP0,HUMAN HGNC=15606 UniP	scaffold/adaptor protein

	rotKB=Q9UHA4,HUMAN HGNC=711 UniProtKB=P49407,HUMAN HGNC=12852 UniProtKB=P61981,HUMAN HGNC=7665 UniProtKB=O43639,HUMAN HGNC=13759 UniProtKB=Q7L576,HUMAN HGNC=28817 UniProtKB=Q96AG4,HUMAN HGNC=22934 UniProtKB=Q8NAB2,HUMAN HGNC=7237 UniProtKB=Q9Y6F6,HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=15842 UniProtKB=Q96RT1,HUMAN HGNC=11357 UniProtKB=Q92783,HUMAN HGNC=29557 UniProtKB=Q0ZGT2,HUMAN HGNC=29890 UniProtKB=Q86UT6,HUMAN HGNC=15687 UniProtKB=O75563,HUMAN HGNC=30377 UniProtKB=Q14160,HUMAN HGNC=7219 UniProtKB=Q00013,HUMAN HGNC=12652 UniProtKB=P50552,HUMAN HGNC=21883 UniProtKB=Q9H3E2,HUMAN HGNC=26614 UniProtKB=Q8NB46,HUMAN HGNC=12853 UniProtKB=Q04917,HUMAN HGNC=10464 UniProtKB=Q15404,HUMAN HGNC=1226 UniProtKB=O14908,HUMAN HGNC=12854 UniProtKB=P27348,HUMAN HGNC=369 UniProtKB=Q9UKA4,HUMAN HGNC=2362 UniProtKB=P46108,HUMAN HGNC=16643 UniProtKB=Q14BN4,HUMAN HGNC=14977 UniProtKB=Q9Y5W7,HUMAN HGNC=18325 UniProtKB=Q2WGN9,HUMAN HGNC=22880 UniProtKB=Q96JG8,HUMAN HGNC=11172 UniProtKB=Q13596,HUMAN HGNC=4036 UniProtKB=O15117,HUMAN HGNC=6529 UniProtKB=Q13094,HUMAN HGNC=12855 UniProtKB=P63104,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=2363 UniProtKB=P46109,HUMAN HGNC=10840 UniProtKB=P29353,HUMAN HGNC=21295 UniProtKB=Q8TE68	
GO:0005930	HUMAN HGNC=30391 UniProtKB=Q9UG01,HUMAN HGNC=17060 UniProtKB=Q92845	axoneme
PC00105	HUMAN HGNC=19155 UniProtKB=P57773	gap junction
GO:0120039	HUMAN HGNC=12690 UniProtKB=P09327	plasma membrane bounded
GO:0005126	HUMAN HGNC=19100 UniProtKB=Q5VWK5,HUMAN HGNC=11766 UniProtKB=P01137	cell projection
GO:0009132	HUMAN HGNC=362 UniProtKB=P54819,HUMAN HGNC=17376 UniProtKB=Q9UIJ7	morphogenesis
GO:0045296	HUMAN HGNC=15902 UniProtKB=Q8IXH8,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=6207 UniProtKB=P14923,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=14265 UniProtKB=Q86UP0,HUMAN HGNC=24634 UniProtKB=Q9UBC2,HUMAN HGNC=9069 UniProtKB=Q15149,HUMAN HGNC=3419 UniProtKB=P42566	cytokine receptor binding
GO:0009112	HUMAN HGNC=12405 UniProtKB=P02766	nucleoside diphosphate metabolic process
GO:0001664	HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=711 UniProtKB=P49407,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=4390 UniProtKB=P50148	cadherin binding
GO:0030968	HUMAN HGNC=463 UniProtKB=Q9UKV5,HUMAN HGNC=1455 UniProtKB=P27797,HUMAN HGNC=5238 UniProtKB=P11021,HUMAN HGNC=25035 UniProtKB=Q5VVQ6,HUMAN HGNC=1473 UniProtKB=P27824,HUMAN HGNC=17943 UniProtKB=Q9GZP9	nucleobase metabolic process
GO:0030099	HUMAN HGNC=13937 UniProtKB=O95866	G protein-coupled receptor binding
		endoplasmic reticulum unfolded protein response
		myeloid cell differentiation

GO:0004857	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=7618 UniProtKB=O14974,HUMAN HGNC=871 UniProtKB=Q9UII2,HUMAN HGNC=533 UniProtKB=P04083	enzyme inhibitor activity
GO:0006047	HUMAN HGNC=4242 UniProtKB=O94808	UDP-N-acetylglucosamine metabolic process
GO:0000289	HUMAN HGNC=29190 UniProtKB=Q9UPQ9	nuclear-transcribed mRNA poly(A) tail shortening
GO:0045332	HUMAN HGNC=13531 UniProtKB=Q9Y2Q0	phospholipid translocation
GO:0030017	HUMAN HGNC=11873 UniProtKB=Q9NYL9	sarcomere
GO:0006417	HUMAN HGNC=27424 UniProtKB=Q5T481,HUMAN HGNC=13759 UniProtKB=Q7L576,HUMAN HGNC=9583 UniProtKB=P26599,HUMAN HGNC=17894 UniProtKB=Q14966	regulation of translation
GO:0005548	HUMAN HGNC=1869 UniProtKB=P11597	phospholipid transporter activity
GO:0006123	HUMAN HGNC=2265 UniProtKB=P13073,HUMAN HGNC=2267 UniProtKB=P20674,HUMAN HGNC=19986 UniProtKB=P99999,HUMAN HGNC=2292 UniProtKB=P15954	mitochondrial electron transport, cytochrome c to oxygen
GO:0010648	HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=9857 UniProtKB=P61224	negative regulation of cell communication
GO:0006641	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=603 UniProtKB=P04114	triglyceride metabolic process
GO:0044237	HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=8527 UniProtKB=P55809	cellular metabolic process
GO:0006635	HUMAN HGNC=4801 UniProtKB=P40939,HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=94 UniProtKB=Q9BWD1,HUMAN HGNC=119 UniProtKB=Q15067,HUMAN HGNC=3151 UniProtKB=P30084,HUMAN HGNC=82 UniProtKB=P09110	fatty acid beta-oxidation
GO:0045944	HUMAN HGNC=25473 UniProtKB=Q9P2N6,HUMAN HGNC=7670 UniProtKB=Q9Y6Q9,HUMAN HGNC=7133 UniProtKB=O14686,HUMAN HGNC=13726 UniProtKB=Q8NEZ4,HUMAN HGNC=30025 UniProtKB=Q5VV67,HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=23688 UniProtKB=Q86UU0,HUMAN HGNC=17305 UniProtKB=Q9Y6J9,HUMAN HGNC=6207 UniProtKB=P14923,HUMAN HGNC=7967 UniProtKB=Q96RI1,HUMAN HGNC=8647 UniProtKB=Q15365,HUMAN HGNC=14451 UniProtKB=Q9BQK8,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=7547 UniProtKB=P10243,HUMAN HGNC=16272 UniProtKB=Q96JK9,HUMAN HGNC=10055 UniProtKB=Q8N5U6,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=7002 UniProtKB=A6NDR6	positive regulation of transcription by RNA polymerase II
PC00207	HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=3662 UniProtKB=P02675,HUMAN HGNC=8078 UniProtKB=O95158,HUMAN HGNC=11891 UniProtKB=P05452,HUMAN HGNC=3625 UniProtKB=O75636,HUMAN HGNC=11756 UniProtKB=Q03403,HUMAN HGNC=4374 UniProtKB=O60234,HUMAN HGNC=3624 UniProtKB=Q15485,HUMAN HGNC=3694 UniProtKB=P02679	intercellular signal molecule
GO:0030833	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=8881 UniProtKB=P07737,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=18304 UniProtKB=Q14019,HUMAN HGNC=21035 UniProtKB=Q8N392	regulation of actin filament polymerization

GO:0009117	HUMAN HGNC=16369 UniProtKB=Q99497 HUMAN HGNC=8504 UniProtKB=Q969R2,HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=8783 UniProtKB=Q08499,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=10496 UniProtKB=P06703,HUMAN HGNC=9069 UniProtKB=Q15149	nucleotide metabolic process
GO:0048471	HUMAN HGNC=18423 UniProtKB=O75140,HUMAN HGNC=25694 UniProtKB=Q8TC07,HUMAN HGNC=6111 UniProtKB=Q13576,HUMAN HGNC=12363 UniProtKB=P49815,HUMAN HGNC=14261 UniProtKB=Q9NS28,HUMAN HGNC=20331 UniProtKB=Q14644,HUMAN HGNC=16925 UniProtKB=Q96P48,HUMAN HGNC=17073 UniProtKB=Q9UNA1,HUMAN HGNC=25571 UniProtKB=Q9NVG8,HUMAN HGNC=673 UniProtKB=Q07960,HUMAN HGNC=21035 UniProtKB=Q8N392	perinuclear region of cytoplasm
PC00257	HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=2949 UniProtKB=Q8TD57,HUMAN HGNC=18587 UniProtKB=O94901,HUMAN HGNC=12652 UniProtKB=P50552,HUMAN HGNC=18271 UniProtKB=Q8N8S7,HUMAN HGNC=6561 UniProtKB=P09382,HUMAN HGNC=4398 UniProtKB=P62879,HUMAN HGNC=4823 UniProtKB=P69905,HUMAN HGNC=4829 UniProtKB=P02042,HUMAN HGNC=10496 UniProtKB=P06703,HUMAN HGNC=20731 UniProtKB=Q9HAV0,HUMAN HGNC=12648 UniProtKB=Q9P0L0,HUMAN HGNC=11320 UniProtKB=Q8IZP0,HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=4827 UniProtKB=P68871,HUMAN HGNC=2951 UniProtKB=Q9C0G6,HUMAN HGNC=4831 UniProtKB=P69891,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=16391 UniProtKB=Q9H257,HUMAN HGNC=10899 UniProtKB=P63208,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=14452 UniProtKB=Q9NYG5,HUMAN HGNC=4396 UniProtKB=P62873,HUMAN HGNC=6091 UniProtKB=P06213	GTPase-activating protein
GO:0005515	HUMAN HGNC=20508 UniProtKB=Q8IUE6,HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401	protein binding
GO:0006342	HUMAN HGNC=2265 UniProtKB=P13073,HUMAN HGNC=6834 UniProtKB=P27338,HUMAN HGNC=9756 UniProtKB=O00391,HUMAN HGNC=2288 UniProtKB=P14406,HUMAN HGNC=2267 UniProtKB=P20674,HUMAN HGNC=2295 UniProtKB=P00450,HUMAN HGNC=2292 UniProtKB=P15954	chromatin silencing
PC00175		oxidase
GO:0042177	HUMAN HGNC=11820 UniProtKB=P01033	negative regulation of protein catabolic process
GO:0001786	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=11512 UniProtKB=Q9H2B2	phosphatidylserine binding
GO:0036002	HUMAN HGNC=5048 UniProtKB=Q00839	pre-mRNA binding
GO:0000808	HUMAN HGNC=26200 UniProtKB=Q9H668	origin recognition complex
GO:0010817	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=255 UniProtKB=P28332	regulation of hormone levels
GO:0007134	HUMAN HGNC=7326 UniProtKB=P20585,HUMAN HGNC=20473 UniProtKB=Q9BX63,HUMAN HGNC=23845 UniProtKB=Q8IY92	meiotic telophase I

GO:0000978	HUMAN HGNC=33108 UniProtKB=Q6NX45,HUMAN HGNC=14008 UniProtKB=Q9BW11,HUMAN HGNC=13061 UniProtKB=Q14587,HUMAN HGNC=18411 UniProtKB=Q3KNW1,HUMAN HGNC=14010 UniProtKB=Q8IWI9,HUMAN HGNC=23708 UniProtKB=Q6ZR52,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=6702 UniProtKB=Q32MZ4,HUMAN HGNC=29084 UniProtKB=O75123,HUMAN HGNC=26427 UniProtKB=Q96ND8,HUMAN HGNC=17801 UniProtKB=Q8NHY6,HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=9459 UniProtKB=Q92786,HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=13109 UniProtKB=P17038,HUMAN HGNC=29989 UniProtKB=Q86YP4,HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1,HUMAN HGNC=3815 UniProtKB=Q12951,HUMAN HGNC=7967 UniProtKB=Q96RI1,HUMAN HGNC=11590 UniProtKB=Q16650,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=7547 UniProtKB=P10243,HUMAN HGNC=7002 UniProtKB=A6NDR6	RNA polymerase II cis-regulatory region sequence-specific DNA binding
GO:0003723	HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=30646 UniProtKB=Q7KZF4,HUMAN HGNC=18018 UniProtKB=Q8IX18,HUMAN HGNC=5043 UniProtKB=P31942,HUMAN HGNC=39025 UniProtKB=Q9QC07,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=4621 UniProtKB=P15170,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=10353 UniProtKB=P36578,HUMAN HGNC=17196 UniProtKB=Q8NG08,HUMAN HGNC=20471 UniProtKB=O95777,HUMAN HGNC=3300 UniProtKB=P63241,HUMAN HGNC=2678 UniProtKB=P14868,HUMAN HGNC=3214 UniProtKB=P13639,HUMAN HGNC=17821 UniProtKB=O00148,HUMAN HGNC=10363 UniProtKB=P18124,HUMAN HGNC=15861 UniProtKB=Q9H5Z1,HUMAN HGNC=30796 UniProtKB=Q9Y3F4,HUMAN HGNC=5036 UniProtKB=Q14103,HUMAN HGNC=12420 UniProtKB=P49411,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=10396 UniProtKB=P62249,HUMAN HGNC=10305 UniProtKB=P50914	RNA binding
GO:0008373	HUMAN HGNC=10869 UniProtKB=Q92185	sialyltransferase activity
GO:0061135	HUMAN HGNC=9568 UniProtKB=Q06323	endopeptidase regulator activity
GO:0030234	HUMAN HGNC=4312 UniProtKB=P48507	enzyme regulator activity
GO:0006935	HUMAN HGNC=10046 UniProtKB=P12724,HUMAN HGNC=10045 UniProtKB=P10153	chemotaxis
GO:0007018	HUMAN HGNC=2951 UniProtKB=Q9C0G6,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=17060 UniProtKB=Q92845	microtubule-based movement
GO:0005198	HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=705 UniProtKB=O15144,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=9069 UniProtKB=Q15149,HUMAN HGNC=9086 UniProtKB=P60201,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=13406 UniProtKB=Q9Y6V0,HUMAN HGNC=20771 UniProtKB=P68371	structural molecule activity
GO:0010498	HUMAN HGNC=20635 UniProtKB=Q14997,HUMAN HGNC=9568 UniProtKB=Q06323	proteasomal protein catabolic process
GO:0006099	HUMAN HGNC=118 UniProtKB=Q99798,HUMAN HGNC=2422 UniProtKB=O75390,HUMAN HGNC=117 UniProtKB=P21399,HUMAN	tricarboxylic acid cycle

	HGNC=6970  UniProtKB=P40925,HUMAN  HGNC=5386  UniProtKB=P51553	
GO:003059		neurotransmitter receptor
4	HUMAN  HGNC=16768  UniProtKB=O60391	activity
GO:001406		regulation of
6	HUMAN  HGNC=6091  UniProtKB=P06213	phosphatidylinositol 3-
	HUMAN  HGNC=15720  UniProtKB=Q13033,HUMAN  HGNC=1459	kinase signaling
	UniProtKB=Q14012,HUMAN  HGNC=11424  UniProtKB=O43815,HU	
GO:000551	MAN  HGNC=6111  UniProtKB=Q13576,HUMAN  HGNC=9314  UniP	
6	rotKB=Q08209	calmodulin binding
GO:000452		endodeoxyribonuclease
0	HUMAN  HGNC=23845  UniProtKB=Q8IY92	activity
GO:005507		
4	HUMAN  HGNC=15999  UniProtKB=Q9NZV5	calcium ion homeostasis
GO:000823	HUMAN  HGNC=24437  UniProtKB=Q96KP4,HUMAN  HGNC=20635	
3	UniProtKB=Q14997,HUMAN  HGNC=20675  UniProtKB=Q96KN2	peptidase activity
	HUMAN  HGNC=3282  UniProtKB=P60842,HUMAN  HGNC=3265  U	
GO:000374	niProtKB=P05198,HUMAN  Gene=EIF2S3L  UniProtKB=Q2VIR3,HU	translation initiation factor
3	MAN  HGNC=3297  UniProtKB=P78344	activity
	HUMAN  HGNC=1406  UniProtKB=Q9Y698,HUMAN  HGNC=3757  U	
GO:003162	niProtKB=O75955,HUMAN  HGNC=711  UniProtKB=P49407,HUMA	
3	N  HGNC=2974  UniProtKB=P50570,HUMAN  HGNC=29125  UniProt	receptor internalization
GO:004616	KB=Q9UQ16	
5	HUMAN  HGNC=29035  UniProtKB=O43314,HUMAN  HGNC=16369	alcohol biosynthetic process
	UniProtKB=Q99497,HUMAN  HGNC=2689  UniProtKB=P09172	
	HUMAN  HGNC=9240  UniProtKB=P02775,HUMAN  HGNC=2761  U	
GO:007122	niProtKB=P59665,HUMAN  HGNC=8862  UniProtKB=P10720,HUMA	
2	N  HGNC=8861  UniProtKB=P02776,HUMAN  HGNC=1628  UniProtK	cellular response to
	B=P08571,HUMAN  HGNC=6517  UniProtKB=P18428	lipopolysaccharide
GO:004848	HUMAN  HGNC=2974  UniProtKB=P50570,HUMAN  HGNC=11510	
8	UniProtKB=Q8N9I0,HUMAN  HGNC=29125  UniProtKB=Q9UQ16,H	
GO:000631	UMAN  HGNC=11138  UniProtKB=P37840	synaptic vesicle endocytosis
2		
	HUMAN  HGNC=7326  UniProtKB=P20585	mitotic recombination
	HUMAN  HGNC=7106  UniProtKB=P54252,HUMAN  HGNC=23077	
	UniProtKB=Q96FW1,HUMAN  HGNC=25648  UniProtKB=Q8N5J2,H	
	UMAN  HGNC=20063  UniProtKB=Q86T82,HUMAN  HGNC=12628	
	UniProtKB=P45974,HUMAN  HGNC=25035  UniProtKB=Q5VVQ6,HU	
GO:000484	MAN  HGNC=13485  UniProtKB=Q9BXU7,HUMAN  HGNC=20076  U	thiol-dependent ubiquitin-
3	niProtKB=Q96K76	specific protease activity
GO:001406		phosphatidylinositol 3-
5	HUMAN  HGNC=6091  UniProtKB=P06213	kinase signaling
	HUMAN  HGNC=28422  UniProtKB=Q8NCE0,HUMAN  HGNC=4395	
	UniProtKB=P19086,HUMAN  HGNC=4384  UniProtKB=P63096,HUM	
	AN  HGNC=4398  UniProtKB=P62879,HUMAN  HGNC=4387  UniProt	
	KB=P08754,HUMAN  HGNC=20731  UniProtKB=Q9HAV0,HUMAN  H	
	GNC=4385  UniProtKB=P04899,HUMAN  HGNC=4390  UniProtKB=P	
	50148,HUMAN  HGNC=3350  UniProtKB=P06733,HUMAN  HGNC=3	
	353  UniProtKB=P09104,HUMAN  HGNC=4312  UniProtKB=P48507,	
	HUMAN  HGNC=4381  UniProtKB=Q14344,HUMAN  HGNC=3354  U	
GO:190249	niProtKB=P13929,HUMAN  HGNC=4393  UniProtKB=P11488,HUMA	
4	N  HGNC=4396  UniProtKB=P62873	catalytic complex

GO:0043588	HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=533 UniProtKB=P04083	skin development
GO:0009966	HUMAN HGNC=1692 UniProtKB=P08962,HUMAN HGNC=2444 UniProtKB=P41240	regulation of signal transduction
GO:0055072	HUMAN HGNC=2295 UniProtKB=P00450	iron ion homeostasis
GO:0038023	HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=4243 UniProtKB=P56159,HUMAN HGNC=30013 UniProtKB=Q96PD5,HUMAN HGNC=7228 UniProtKB=P22897,HUMAN HGNC=4244 UniProtKB=O00451	signaling receptor activity
GO:0006796	HUMAN HGNC=29035 UniProtKB=O43314,HUMAN HGNC=28883 UniProtKB=Q9H2U2,HUMAN HGNC=4242 UniProtKB=O94808,HUMAN HGNC=4456 UniProtKB=P43304	phosphate-containing compound metabolic process
GO:0019216	HUMAN HGNC=607 UniProtKB=P02654	regulation of lipid metabolic process
PC00151	HUMAN HGNC=12648 UniProtKB=Q9P0L0,HUMAN HGNC=10458 UniProtKB=Q92681,HUMAN HGNC=1663 UniProtKB=P16671,HUMAN HGNC=6499 UniProtKB=P11279,HUMAN HGNC=20726 UniProtKB=Q8WVM8,HUMAN HGNC=11446 UniProtKB=O00186,HUMAN HGNC=6501 UniProtKB=P13473,HUMAN HGNC=11445 UniProtKB=Q15833,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=11138 UniProtKB=P37840,HUMAN HGNC=11512 UniProtKB=Q9H2B2,HUMAN HGNC=8515 UniProtKB=Q9HC10	membrane trafficking
GO:0033617	HUMAN HGNC=26801 UniProtKB=Q8N8Q8	regulatory protein
GO:0048519	HUMAN HGNC=2367 UniProtKB=P02741,HUMAN HGNC=8087 UniProtKB=P29728,HUMAN HGNC=584 UniProtKB=P02743	mitochondrial cytochrome c oxidase assembly
GO:1902905	HUMAN HGNC=12754 UniProtKB=O75083,HUMAN HGNC=8881 UniProtKB=P07737	negative regulation of biological process
GO:0099565	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2905 UniProtKB=O14490,HUMAN HGNC=14294 UniProtKB=Q9BYB0	positive regulation of supramolecular fiber organization
GO:0070371	HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=10632 UniProtKB=P13501	chemical synaptic transmission, postsynaptic
GO:0070507	HUMAN HGNC=9847 UniProtKB=P43487	ERK1 and ERK2 cascade
GO:0047372	HUMAN HGNC=13921 UniProtKB=O95870	regulation of microtubule cytoskeleton organization
GO:0006810	HUMAN HGNC=14685 UniProtKB=Q9Y624,HUMAN HGNC=4187 UniProtKB=P02774,HUMAN HGNC=316 UniProtKB=P43652,HUMAN HGNC=317 UniProtKB=P02771,HUMAN HGNC=399 UniProtKB=P02768	acylglycerol lipase activity
PC00113	HUMAN HGNC=21740 UniProtKB=Q6ZV73,HUMAN HGNC=16854 UniProtKB=Q9Y4G8,HUMAN HGNC=9879 UniProtKB=Q7LDG7,HUMAN HGNC=21213 UniProtKB=Q5TH69,HUMAN HGNC=2988 UniProtKB=Q92608,HUMAN HGNC=30282 UniProtKB=Q3MIN7,HUMAN HGNC=15607 UniProtKB=Q14155,HUMAN HGNC=9504 UniProtKB=O43739,HUMAN HGNC=9878 UniProtKB=O95267,HUMAN HGNC=29374 UniProtKB=Q76NI1,HUMAN HGNC=23479 UniProtKB=Q96BY6,HUMAN HGNC=21726 UniProtKB=Q96PE2,HUMAN HGNC=4814 UniProtKB=O60229,HUMAN HGNC=25516 UniProtKB=Q8TER5,HUMAN HGNC=14545 UniProtKB=Q8IV61	transport
		guanyl-nucleotide exchange factor

PC00119	HUMAN HGNC=9459 UniProtKB=Q92786,HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1,HUMAN HGNC=19347 UniProtKB=O14529,HUMAN HGNC=15935 UniProtKB=Q9H4I2,HUMAN HGNC=7002 UniProtKB=A6NDR6	homeodomain transcription factor
GO:0031012	HUMAN HGNC=4439 UniProtKB=P07359,HUMAN HGNC=5468 UniProtKB=P35858,HUMAN HGNC=3011 UniProtKB=Q07507,HUMAN HGNC=7516 UniProtKB=Q9HC84,HUMAN HGNC=13572 UniProtKB=Q9Y6R7,HUMAN HGNC=2761 UniProtKB=P59665,HUMAN HGNC=7515 UniProtKB=P98088,HUMAN HGNC=11771 UniProtKB=Q15582,HUMAN HGNC=5164 UniProtKB=Q9Y251,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=7060 UniProtKB=P08493,HUMAN HGNC=12726 UniProtKB=P04275,HUMAN HGNC=2313 UniProtKB=P22792	extracellular matrix
GO:0017157	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN HGNC=11510 UniProtKB=Q8N9IO,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=11512 UniProtKB=Q9H2B2	regulation of exocytosis
GO:0048813	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=14294 UniProtKB=Q9BYB0	dendrite morphogenesis
GO:0012507	HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=10701 UniProtKB=Q15436	ER to Golgi transport vesicle membrane
GO:0007034	HUMAN HGNC=20347 UniProtKB=Q9H9C1	vacuolar transport
GO:0010324	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=9784 UniProtKB=P61020,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=9785 UniProtKB=P51148,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=9782 UniProtKB=P61018,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11510 UniProtKB=Q8N9IO,HUMAN HGNC=7228 UniProtKB=P22897,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN HGNC=19760 UniProtKB=Q96T51,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0	membrane invagination

	A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=23186 UniProtKB=Q14677,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=711 UniProtKB=P49407,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=11138 UniProtKB=P37840,HUMAN HGNC=3419 UniProtKB=P42566,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=570 UniProtKB=P53677,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=24634 UniProtKB=Q9UBC2,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=15578 UniProtKB=Q96D71,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=5527 UniProtKB=P01860,HUMAN HGNC=2092 UniProtKB=Q00610	
GO:0009187	HUMAN HGNC=237 UniProtKB=O43306	cyclic nucleotide metabolic process
GO:0009100	HUMAN HGNC=9411 UniProtKB=P14314	glycoprotein metabolic process
GO:0031406	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=317 UniProtKB=P02771,HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=119 UniProtKB=Q15067	carboxylic acid binding
GO:0019941	HUMAN HGNC=12458 UniProtKB=P62987,HUMAN HGNC=12468 UniProtKB=P0CG48,HUMAN HGNC=28477 UniProtKB=Q8NBM8,HUMAN HGNC=7732 UniProtKB=Q15843,HUMAN HGNC=12463 UniProtKB=P0CG47	modification-dependent protein catabolic process
GO:0007600	HUMAN HGNC=711 UniProtKB=P49407	sensory perception
GO:0000124	HUMAN HGNC=31797 UniProtKB=P0C7V6,HUMAN HGNC=12347 UniProtKB=Q9Y4A5	SAGA complex
GO:0000904	HUMAN HGNC=13937 UniProtKB=O95866	cell morphogenesis involved in differentiation
GO:0008375	HUMAN HGNC=8127 UniProtKB=O15294	acetylglucosaminyltransferase activity
GO:0007131	HUMAN HGNC=7326 UniProtKB=P20585,HUMAN HGNC=20473 UniProtKB=Q9BX63	reciprocal meiotic recombination
GO:0060047	HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	heart contraction

GO:0006974	HUMAN   HGNC=12469   UniProtKB=P22314	cellular response to DNA damage stimulus
GO:0000038	HUMAN   HGNC=24175   UniProtKB=Q9P035 HUMAN   HGNC=17780   UniProtKB=Q562R1, HUMAN   HGNC=11168   UniProtKB=Q13884, HUMAN   HGNC=6835   UniProtKB=P78559, HUMAN   HGNC=11512   UniProtKB=Q9H2B2	very long-chain fatty acid metabolic process
GO:0045202		synapse
GO:0016877	HUMAN   HGNC=10996   UniProtKB=O14975	ligase activity, forming carbon-sulfur bonds
GO:0045055	HUMAN   HGNC=11491   UniProtKB=P43405, HUMAN   HGNC=9761   UniProtKB=Q15907	regulated exocytosis
GO:0004620	HUMAN   HGNC=607   UniProtKB=P02654, HUMAN   HGNC=13921   UniProtKB=O95870	phospholipase activity
GO:0050870		positive regulation of T cell activation
GO:0006611	HUMAN   HGNC=5261   UniProtKB=P10809	
GO:0005201	HUMAN   HGNC=2431   UniProtKB=P55060	protein export from nucleus
GO:0042092	HUMAN   HGNC=3662   UniProtKB=P02675, HUMAN   HGNC=2209   UniProtKB=P20908	extracellular matrix structural constituent
GO:0045766	HUMAN   HGNC=533   UniProtKB=P04083	type 2 immune response
GO:0006406	HUMAN   HGNC=533   UniProtKB=P04083	positive regulation of angiogenesis
GO:0003700	HUMAN   HGNC=17821   UniProtKB=O00148, HUMAN   HGNC=19072   UniProtKB=Q96J01	mRNA export from nucleus
PC00211	HUMAN   HGNC=9349   UniProtKB=Q9NQX1	DNA-binding transcription factor activity
GO:0097120	HUMAN   HGNC=30391   UniProtKB=Q9UG01, HUMAN   HGNC=21054   UniProtKB=Q86UC2	structural protein
GO:0048786	HUMAN   HGNC=6325   UniProtKB=O60282, HUMAN   HGNC=1406   UniProtKB=Q9Y698, HUMAN   HGNC=30377   UniProtKB=Q14160	receptor localization to synapse
GO:0051641	HUMAN   HGNC=1117   UniProtKB=Q9UPA5, HUMAN   HGNC=13406   UniProtKB=Q9Y6V0, HUMAN   HGNC=8515   UniProtKB=Q9HC10	presynaptic active zone
GO:0016310	HUMAN   HGNC=29327   UniProtKB=Q5VZ46	cellular localization
GO:0019725	HUMAN   HGNC=19296   UniProtKB=Q9UF33, HUMAN   HGNC=2850   UniProtKB=Q9Y6T7	phosphorylation
GO:0042475	HUMAN   HGNC=17169   UniProtKB=Q13162, HUMAN   HGNC=16753   UniProtKB=P30041, HUMAN   HGNC=9355   UniProtKB=P30044, HUMAN   HGNC=9353   UniProtKB=P32119, HUMAN   HGNC=9354   UniProtKB=P30048, HUMAN   HGNC=9352   UniProtKB=Q06830, HUMAN   HGNC=4623   UniProtKB=P00390	
GO:0072521	HUMAN   HGNC=3157   UniProtKB=Q92838	cellular homeostasis
GO:0044267		odontogenesis of dentin-containing tooth
		purine-containing compound metabolic process
	HUMAN   HGNC=12405   UniProtKB=P02766 HUMAN   HGNC=333   UniProtKB=P01019, HUMAN   HGNC=2479   UniProtKB=O76096, HUMAN   HGNC=8583   UniProtKB=P05121, HUMAN   HGNC=3311   UniProtKB=P30740, HUMAN   HGNC=8948   UniProtKB=P29622, HUMAN   HGNC=1546   UniProtKB=P50454, HUMAN   HGNC=8941   UniProtKB=P01009, HUMAN   HGNC=1540   UniProtKB=P08185, HUMAN   HGNC=8824   UniProtKB=P36955, HUMAN   HGNC=19986   UniProtKB=P99999, HUMAN   HGNC=8942   UniProtKB=P48595, HUMAN   HGNC=11512   UniProtKB=Q9H2B2	cellular protein metabolic process

	MAN HGNC=1050 UniProtKB=P55957,HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=4838 UniProtKB=P05546,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=16 UniProtKB=P01011,HUMAN HGNC=775 UniProtKB=P01008,HUMAN HGNC=1228 UniProtKB=P05155,HUMAN HGNC=9075 UniProtKB=P08697,HUMAN HGNC=11583 UniProtKB=P05543,HUMAN HGNC=8955 UniProtKB=P50453	
GO:0000209	HUMAN HGNC=12491 UniProtKB=P61081,HUMAN HGNC=12476 UniProtKB=P61077,HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=9261 UniProtKB=Q13356,HUMAN HGNC=17598 UniProtKB=Q9Y385	protein polyubiquitination
GO:0046785	HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=14906 UniProtKB=Q8N4C6	microtubule polymerization
PC00244	HUMAN HGNC=7803 UniProtKB=Q12986,HUMAN HGNC=17808 UniProtKB=Q9UPT8	zinc finger transcription factor
GO:0004725	HUMAN HGNC=122 UniProtKB=P24666,HUMAN HGNC=9308 UniProtKB=Q15257,HUMAN HGNC=9645 UniProtKB=Q05209,HUMAN HGNC=9673 UniProtKB=Q12913,HUMAN HGNC=29884 UniProtKB=Q8TF42	protein tyrosine phosphatase activity
GO:0050829	HUMAN HGNC=2761 UniProtKB=P59665,HUMAN HGNC=6517 UniProtKB=P18428,HUMAN HGNC=1472 UniProtKB=P49913,HUMAN HGNC=6740 UniProtKB=P61626	defense response to Gram-negative bacterium organic anion
GO:0008514	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=11027 UniProtKB=P02730,HUMAN HGNC=11034 UniProtKB=Q2Y0W8	transmembrane transporter activity
GO:0046914	HUMAN HGNC=11180 UniProtKB=P04179	transition metal ion binding
GO:0034446	HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=6040 UniProtKB=Q13418	substrate adhesion-dependent cell spreading
GO:0061564	HUMAN HGNC=9086 UniProtKB=P60201	axon development
GO:0050728	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=7967 UniProtKB=Q96RI1	negative regulation of inflammatory response
GO:0035082	HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=16053 UniProtKB=Q8N1V2,HUMAN HGNC=20908 UniProtKB=Q86YF9,HUMAN HGNC=25631 UniProtKB=Q96MT7,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=29262 UniProtKB=Q9P2H3,HUMAN HGNC=7729 UniProtKB=Q15019	axoneme assembly
GO:0005089	HUMAN HGNC=21740 UniProtKB=Q6ZV73,HUMAN HGNC=21295 UniProtKB=Q8TE68	Rho guanyl-nucleotide exchange factor activity
GO:0030672	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=8515 UniProtKB=Q9HC10	synaptic vesicle membrane
GO:0008237	HUMAN HGNC=7900 UniProtKB=P55786,HUMAN HGNC=15722 UniProtKB=Q8WXQ8,HUMAN HGNC=2300 UniProtKB=Q96IY4,HUMAN HGNC=18173 UniProtKB=Q9NZ08,HUMAN HGNC=2312 UniProtKB=P15169	metallopeptidase activity
GO:0034501	HUMAN HGNC=24054 UniProtKB=Q8NG31,HUMAN HGNC=12401 UniProtKB=P33981	protein localization to kinetochore
GO:0046040	HUMAN HGNC=794 UniProtKB=P31939,HUMAN HGNC=5157 UniProtKB=P00492,HUMAN HGNC=469 UniProtKB=Q01433	IMP metabolic process
GO:0000175	HUMAN HGNC=9207 UniProtKB=Q9UFF9	3'-5'-exoribonuclease activity

GO:0072583	HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=561 UniProtKB=O95782	clathrin-dependent endocytosis
GO:0009062	HUMAN HGNC=14451 UniProtKB=Q9BQK8	fatty acid catabolic process
GO:0019637	HUMAN HGNC=4242 UniProtKB=O94808	organophosphate metabolic process
GO:0006760	HUMAN HGNC=4248 UniProtKB=Q92820	folic acid-containing compound metabolic process
GO:0001510	HUMAN HGNC=17136 UniProtKB=Q8IY81	RNA methylation
GO:0051056	HUMAN HGNC=21035 UniProtKB=Q8N392	regulation of small GTPase mediated signal transduction
GO:0034237	HUMAN HGNC=12733 UniProtKB=Q9Y6W5,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=28164 UniProtKB=Q96M27 UniProtKB=3778 UniProtKB=P02751,HUMAN HGNC=3662 UniProtKB=P02675,HUMAN HGNC=6561 UniProtKB=P09382,HUMAN HGNC=2211 UniProtKB=P12109,HUMAN HGNC=10496 UniProtKB=P06703,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=3625 UniProtKB=O75636,HUMAN HGNC=3153 UniProtKB=Q16610,HUMAN HGNC=3694 UniProtKB=P02679,HUMAN HGNC=2213 UniProtKB=P12111,HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=3531 UniProtKB=P00488,HUMAN HGNC=2188 UniProtKB=Q99715,HUMAN HGNC=3624 UniProtKB=Q15485 HUMAN HGNC=9141 UniProtKB=Q15126,HUMAN HGNC=4922 UniProtKB=P19367,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=24822 UniProtKB=Q9H479,HUMAN HGNC=7850 UniProtKB=P22392,HUMAN HGNC=8997 UniProtKB=P48426,HUMAN HGNC=7849 UniProtKB=P15531,HUMAN HGNC=2850 UniProtKB=Q9Y6T7	protein kinase A regulatory subunit binding
GO:0062023		collagen-containing extracellular matrix
PC00137		kinase
GO:0005791	HUMAN HGNC=3530 UniProtKB=P00748	rough endoplasmic reticulum
PC00160	HUMAN HGNC=8906 UniProtKB=Q96G03,HUMAN HGNC=8905 UniProtKB=P36871,HUMAN HGNC=8888 UniProtKB=P18669,HUMAN HGNC=1093 UniProtKB=P07738	mutase
GO:0035097	HUMAN HGNC=7133 UniProtKB=O14686,HUMAN HGNC=13726 UniProtKB=Q8NEZ4,HUMAN HGNC=18039 UniProtKB=Q9UGL1	histone methyltransferase complex
GO:1990126	HUMAN HGNC=24641 UniProtKB=Q7Z3J2	retrograde transport, endosome to plasma membrane
GO:0071805	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709	potassium ion transmembrane transport
GO:0007190	HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=237 UniProtKB=O43306	activation of adenylate cyclase activity
GO:0007409	HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=18994 UniProtKB=Q8TDC3	axonogenesis
GO:0030705	HUMAN HGNC=6317 UniProtKB=O43896	cytoskeleton-dependent intracellular transport
GO:0043547	HUMAN HGNC=25694 UniProtKB=Q8TC07,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=17102 UniProtKB=Q92619,HUMAN HGNC=9859 UniProtKB=P52306,HUMAN HGNC=25571 UniProtKB=Q9NVG8	positive regulation of GTPase activity

GO:000558		
1	HUMAN HGNC=2209 UniProtKB=P20908	collagen trimer
GO:000584	HUMAN HGNC=30547 UniProtKB=Q96K17,HUMAN HGNC=18585	
4	UniProtKB=Q96DH6	polysome
GO:000852	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=10608	G protein-coupled peptide
8	UniProtKB=P47872	receptor activity
GO:007265		protein localization to
7	HUMAN HGNC=1406 UniProtKB=Q9Y698	membrane
GO:001640		
9	HUMAN HGNC=2328 UniProtKB=P50416	palmitoyltransferase activity
	HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=2678	
	UniProtKB=P14868,HUMAN HGNC=20 UniProtKB=P49588,HUMA	
GO:000652	N HGNC=4162 UniProtKB=P41250,HUMAN HGNC=11572 UniProt	cellular amino acid
0	KB=P26639,HUMAN HGNC=12729 UniProtKB=P23381	metabolic process
GO:003245	HUMAN HGNC=24641 UniProtKB=Q723J2,HUMAN HGNC=3244	
6	UniProtKB=Q9NZN3	endocytic recycling
GO:000738		pattern specification
9	HUMAN HGNC=7002 UniProtKB=A6NDR6	process
GO:003646	HUMAN HGNC=20165 UniProtKB=Q9P2P1,HUMAN HGNC=5048	cytoplasmic
4	UniProtKB=Q00839	ribonucleoprotein granule
GO:001995		
6	HUMAN HGNC=6153 UniProtKB=P05556	chemokine binding
	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=20726	
	UniProtKB=Q8WVM8,HUMAN HGNC=16499 UniProtKB=Q96DA2	
GO:000013	,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=15453	
9	UniProtKB=Q9H3P7	Golgi membrane
GO:000626		DNA-dependent DNA
1	HUMAN HGNC=7326 UniProtKB=P20585	replication
GO:004216		
8	HUMAN HGNC=5171 UniProtKB=P02790	heme metabolic process
GO:000480	HUMAN HGNC=6522 UniProtKB=P04180,HUMAN HGNC=108 Uni	
6	ProtKB=P22303	triglyceride lipase activity
GO:000742	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=7002	
0	UniProtKB=A6NDR6,HUMAN HGNC=14294 UniProtKB=Q9BYB0	brain development
GO:000590		
3	HUMAN HGNC=4381 UniProtKB=Q14344	brush border
GO:003030	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=603 UniP	
1	rotKB=P04114	cholesterol transport
GO:003472	HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 U	
8	niProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401	nucleosome organization
	HUMAN HGNC=25268 UniProtKB=Q96LR9,HUMAN HGNC=607 U	
	niProtKB=P02654,HUMAN HGNC=615 UniProtKB=Q13790,HUMA	
	N HGNC=618 UniProtKB=O14791,HUMAN HGNC=613 UniProtKB	
	=P02649,HUMAN HGNC=600 UniProtKB=P02647,HUMAN HGNC=	
PC00052	612 UniProtKB=P05090,HUMAN HGNC=603 UniProtKB=P04114	apolipoprotein
GO:001679	HUMAN HGNC=6737 UniProtKB=O75608,HUMAN HGNC=3465 U	
0	niProtKB=P10768	thiolester hydrolase activity
GO:000628		
1	HUMAN HGNC=12347 UniProtKB=Q9Y4A5	DNA repair
	HUMAN HGNC=30025 UniProtKB=Q5VV67,HUMAN HGNC=9885	
	UniProtKB=P29374,HUMAN HGNC=19692 UniProtKB=Q96F24,HU	
	MAN HGNC=20250 UniProtKB=Q96IF1,HUMAN HGNC=16272 Uni	
PC00217	ProtKB=Q96JK9	transcription cofactor

[illegible]

PC00153	AN HGNC=12585 UniProtKB=P31930,HUMAN HGNC=188 UniProtKB=O14672 HUMAN HGNC=12586 UniProtKB=P22695,HUMAN HGNC=5171 UniProtKB=P02790,HUMAN HGNC=199 UniProtKB=O43506,HUMAN HGNC=7176 UniProtKB=P14780,HUMAN HGNC=12585 UniProtKB=P31930,HUMAN HGNC=2300 UniProtKB=Q96IY4,HUMAN HGNC=11763 UniProtKB=P02786,HUMAN HGNC=18449 UniProtKB=P28838,HUMAN HGNC=7900 UniProtKB=P55786,HUMAN HGNC=24437 UniProtKB=Q96KP4,HUMAN HGNC=5381 UniProtKB=P14735,HUMAN HGNC=15722 UniProtKB=Q8WXQ8,HUMAN HGNC=20675 UniProtKB=Q96KN2,HUMAN HGNC=18173 UniProtKB=Q9NZ08	metalloprotease
GO:0005802	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=9772 UniProtKB=Q13637,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=6752 UniProtKB=P20645	trans-Golgi network
GO:0005524	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=9465 UniProtKB=P11908,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=823 UniProtKB=P25705,HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=5238 UniProtKB=P11021,HUMAN HGNC=5240 UniProtKB=P48741,HUMAN HGNC=9462 UniProtKB=P60891	ATP binding
GO:0035257	HUMAN HGNC=6207 UniProtKB=P14923	nuclear hormone receptor binding
GO:0045595	HUMAN HGNC=9583 UniProtKB=P26599,HUMAN HGNC=29884 UniProtKB=Q8TF42	regulation of cell differentiation
GO:0008154	HUMAN HGNC=18271 UniProtKB=Q8N8S7	actin polymerization or depolymerization
GO:0098839	HUMAN HGNC=1406 UniProtKB=Q9Y698	postsynaptic density membrane
GO:0006627	HUMAN HGNC=12585 UniProtKB=P31930	protein processing involved in protein targeting to mitochondrion
GO:0002695	HUMAN HGNC=2479 UniProtKB=O76096	negative regulation of leukocyte activation
PC00097	HUMAN HGNC=983 UniProtKB=P06276,HUMAN HGNC=16268 UniProtKB=Q8IY17,HUMAN HGNC=16219 UniProtKB=Q8TEA8,HUMAN HGNC=17820 UniProtKB=Q9H0P0,HUMAN HGNC=108 UniProtKB=P22303	esterase
GO:0001227	HUMAN HGNC=12879 UniProtKB=P21506	DNA-binding transcription repressor activity, RNA polymerase II-specific protein
GO:0004712	HUMAN HGNC=12401 UniProtKB=P33981	serine/threonine/tyrosine kinase activity
GO:0005125	HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776,HUMAN HGNC=11766 UniProtKB=P01137	cytokine activity
GO:0016616	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=6970 UniProtKB=P40925,HUMAN	oxidoreductase activity, acting on the CH-OH group

	HGNC=4801   UniProtKB=P40939, HUMAN   HGNC=6535   UniProtKB=P00338, HUMAN   HGNC=6984   UniProtKB=P23368, HUMAN   HGNC=8891   UniProtKB=P52209, HUMAN   HGNC=6971   UniProtKB=P40926, HUMAN   HGNC=6541   UniProtKB=P07195, HUMAN   HGNC=251   UniProtKB=P00326, HUMAN   HGNC=18985   UniProtKB=Q7Z4W1, HUMAN   HGNC=5383   UniProtKB=P48735, HUMAN   HGNC=255   UniProtKB=P28332, HUMAN   HGNC=5386   UniProtKB=P51553, HUMAN   HGNC=380   UniProtKB=P14550	of donors, NAD or NADP as acceptor
GO:0008023	HUMAN   HGNC=11617   UniProtKB=Q15369, HUMAN   HGNC=11619   UniProtKB=Q15370, HUMAN   HGNC=24224   UniProtKB=Q9NYV4	transcription elongation factor complex
GO:0010506	HUMAN   HGNC=18423   UniProtKB=O75140, HUMAN   HGNC=2973   UniProtKB=O00429	regulation of autophagy
	HUMAN   HGNC=26068   UniProtKB=Q6IAA8, HUMAN   HGNC=253   UniProtKB=P11766, HUMAN   HGNC=11179   UniProtKB=P00441, HUMAN   HGNC=9855   UniProtKB=P62834, HUMAN   HGNC=17955   UniProtKB=O43504, HUMAN   HGNC=9353   UniProtKB=P32119, HUMAN   HGNC=251   UniProtKB=P00326, HUMAN   HGNC=533   UniProtKB=P04083, HUMAN   HGNC=9857   UniProtKB=P61224, HUMAN   HGNC=9352   UniProtKB=Q06830, HUMAN   HGNC=255   UniProtKB=P28332, HUMAN   HGNC=15606   UniProtKB=Q9UHA4	cellular response to oxygen-containing compound
GO:1901701	HUMAN   HGNC=3778   UniProtKB=P02751, HUMAN   HGNC=333   UniProtKB=P01019, HUMAN   HGNC=316   UniProtKB=P43652, HUMAN   HGNC=7516   UniProtKB=Q9HC84, HUMAN   HGNC=11085   UniProtKB=O75093, HUMAN   HGNC=10496   UniProtKB=P06703, HUMAN   HGNC=8824   UniProtKB=P36955, HUMAN   HGNC=4831   UniProtKB=P69891, HUMAN   HGNC=38476   UniProtKB=B9A064, HUMAN   HGNC=5877   UniProtKB=P01703, HUMAN   HGNC=5834   UniProtKB=P06312, HUMAN   HGNC=9756   UniProtKB=O00391, HUMAN   HGNC=1472   UniProtKB=P49913, HUMAN   HGNC=8044   UniProtKB=P80303, HUMAN   HGNC=3011   UniProtKB=Q07507, HUMAN   HGNC=7218   UniProtKB=P05164, HUMAN   HGNC=9495   UniProtKB=P24158, HUMAN   HGNC=28883   UniProtKB=Q9H2U2, HUMAN   HGNC=5576   UniProtKB=P01817, HUMAN   HGNC=1540   UniProtKB=P08185, HUMAN   HGNC=11179   UniProtKB=P00441, HUMAN   HGNC=6522   UniProtKB=P04180, HUMAN   HGNC=21265   UniProtKB=Q9NZP8, HUMAN   HGNC=5897   UniProtKB=A0A075B6K4, HUMAN   HGNC=5526   UniProtKB=P01859, HUMAN   HGNC=5739   UniProtKB=A0A075B6S9, HUMAN   HGNC=6561   UniProtKB=P09382, HUMAN   HGNC=5580   UniProtKB=P01762, HUMAN   HGNC=5633   UniProtKB=A0A075B7D8, HUMAN   HGNC=5582   UniProtKB=A0A0B4J1V0, HUMAN   HGNC=11820   UniProtKB=P01033, HUMAN   HGNC=775   UniProtKB=P01008, HUMAN   HGNC=5652   UniProtKB=A0A075B6R2, HUMAN   HGNC=5836   UniProtKB=A0A0C4DH24, HUMAN   HGNC=3662   UniProtKB=P02675, HUMAN   HGNC=5887   UniProtKB=P01706, HUMAN   HGNC=5662   UniProtKB=A0A0B4J1U7, HUMAN   HGNC=5746   UniProtKB=P01611, HUMAN   HGNC=8898   UniProtKB=P07205, HUMAN   HGNC=17213   UniProtKB=Q9BWP8, HUMAN   HGNC=8601   UniProtKB=Q06141, HUMAN   HGNC=5857   UniProtKB=P0DOY3, HUMAN   HGNC=5610   UniProtKB=P01767, HUMAN   HGNC=16   UniProtKB=P01011, HUMAN   Ensembl=ENSG00000282150   UniProtKB=A0A0J9YY99, HUMAN   HGNC=5527   UniProtKB=P01860, HUMAN   HGNC=24588   UniProtKB=Q86XP6, HUMAN   HGNC=108   UniProtKB=P22303, HUMAN   HGNC=584   UniProtKB=P02743, HUMAN   HGNC=5783   UniProtKB=A0A075B6P5, HUMAN   HGNC=5753   UniProtKB=P01593, HUMAN   HGNC=5239   UniProtKB=P1706	extracellular space
GO:0005615		

6,HUMAN|HGNC=4932|UniProtKB=P01889,HUMAN|HGNC=3625|UniProtKB=O75636,HUMAN|HGNC=5554|UniProtKB=P01743,HUMAN|HGNC=5634|UniProtKB=A0A075B7F0,HUMAN|HGNC=2300|UniProtKB=Q96IY4,HUMAN|HGNC=5931|UniProtKB=A0A075B6I0,HUMAN|HGNC=615|UniProtKB=Q13790,HUMAN|HGNC=8861|UniProtKB=P02776,HUMAN|HGNC=5933|UniProtKB=A0A0B4J1Y8,HUMAN|HGNC=1324|UniProtKB=P0C0L5,HUMAN|HGNC=11583|UniProtKB=P05543,HUMAN|HGNC=5563|UniProtKB=A0A075B7D0,HUMAN|HGNC=8583|UniProtKB=P05121,HUMAN|HGNC=5890|UniProtKB=P01705,HUMAN|HGNC=533|UniProtKB=P04083,HUMAN|HGNC=1095|UniProtKB=P17213,HUMAN|HGNC=7515|UniProtKB=P98088,HUMAN|HGNC=5528|UniProtKB=P01861,HUMAN|HGNC=8941|UniProtKB=P01009,HUMAN|HGNC=5888|UniProtKB=P01704,HUMAN|HGNC=5141|UniProtKB=P00738,HUMAN|HGNC=30456|UniProtKB=Q96DA0,HUMAN|HGNC=3309|UniProtKB=P08246,HUMAN|HGNC=5657|UniProtKB=P0DP08,HUMAN|HGNC=5781|UniProtKB=A0A0C4DH68,HUMAN|HGNC=5901|UniProtKB=A0A075B6K0,HUMAN|HGNC=5743|UniProtKB=A0A0C4DH67,HUMAN|Gene=HV309\_HUMAN|UniProtKB=P01782,HUMAN|HGNC=5468|UniProtKB=P35858,HUMAN|HGNC=2478|UniProtKB=Q15828,HUMAN|HGNC=4620|UniProtKB=P06396,HUMAN|HGNC=3964|UniProtKB=P01225,HUMAN|HGNC=11219|UniProtKB=P09486,HUMAN|HGNC=2689|UniProtKB=P09172,HUMAN|HGNC=3694|UniProtKB=P02679,HUMAN|HGNC=5617|UniProtKB=A0A075B6Q5,HUMAN|HGNC=5594|UniProtKB=P0DP03,HUMAN|HGNC=5735|UniProtKB=A0A075B6S5,HUMAN|HGNC=5636|UniProtKB=A0A075B7B8,HUMAN|HGNC=5581|UniProtKB=P01766,HUMAN|HGNC=613|UniProtKB=P02649,HUMAN|HGNC=3624|UniProtKB=Q15485,HUMAN|HGNC=16948|UniProtKB=Q969H8,HUMAN|HGNC=5479|UniProtKB=P01877,HUMAN|HGNC=16721|UniProtKB=A6NKK9,HUMAN|HGNC=5898|UniProtKB=A0A075B6K2,HUMAN|HGNC=3311|UniProtKB=P30740,HUMAN|HGNC=5882|UniProtKB=P01701,HUMAN|HGNC=9750|UniProtKB=P20742,HUMAN|HGNC=4823|UniProtKB=P69905,HUMAN|HGNC=11891|UniProtKB=P05452,HUMAN|HGNC=5525|UniProtKB=P01857,HUMAN|HGNC=2761|UniProtKB=P59665,HUMAN|HGNC=10632|UniProtKB=P13501,HUMAN|HGNC=3157|UniProtKB=Q92838,HUMAN|HGNC=5741|UniProtKB=P01602,HUMAN|HGNC=12726|UniProtKB=P04275,HUMAN|HGNC=5817|UniProtKB=P01619,HUMAN|HGNC=10497|UniProtKB=P31151,HUMAN|HGNC=10045|UniProtKB=P10153,HUMAN|HGNC=8043|UniProtKB=Q02818,HUMAN|HGNC=5575|UniProtKB=A0A0B4J1V2,HUMAN|HGNC=5825|UniProtKB=A0A0C4DH25,HUMAN|HGNC=11834|UniProtKB=P29401,HUMAN|HGNC=5549|UniProtKB=A0A0C4DH31,HUMAN|HGNC=11092|UniProtKB=P03973,HUMAN|HGNC=43788|UniProtKB=Q8NHM4,HUMAN|HGNC=5480|UniProtKB=P01880,HUMAN|HGNC=5659|UniProtKB=A0A0C4DH38,HUMAN|Gene=KV311\_HUMAN|UniProtKB=P04433,HUMAN|HGNC=6724|UniProtKB=P51884,HUMAN|HGNC=399|UniProtKB=P02768,HUMAN|HGNC=5861|UniProtKB=A0M8Q6,HUMAN|HGNC=5647|UniProtKB=A0A087WSY4,HUMAN|HGNC=5606|UniProtKB=P01763,HUMAN|HGNC=9451|UniProtKB=P04070,HUMAN|HGNC=11937|UniProtKB=P32970,HUMAN|HGNC=8569|UniProtKB=P29122,HUMAN|HGNC=5759|UniProtKB=A0A087WSZ0,HUMAN|HGNC=5541|UniProtKB=P01871,HUMAN|HGNC=5585|UniProtKB=A0A0C4DH32,HUMAN|HGNC=3423|UniProtKB=P

11678,HUMAN|HGNC=11740|UniProtKB=P02787,HUMAN|HGNC=9093|UniProtKB=P55058,HUMAN|Ensembl=ENSG00000282639|UniProtKB=A0A0J9YX35,HUMAN|HGNC=11766|UniProtKB=P01137,HUMAN|HGNC=4439|UniProtKB=P07359,HUMAN|HGNC=4187|UniProtKB=P02774,HUMAN|HGNC=5880|UniProtKB=P01700,HUMAN|HGNC=5624|UniProtKB=A0A0B4J1X5,HUMAN|HGNC=5905|UniProtKB=P80748,HUMAN|HGNC=5896|UniProtKB=P01715,HUMAN|HGNC=3153|UniProtKB=Q16610,HUMAN|HGNC=603|UniProtKB=P04114,HUMAN|HGNC=5478|UniProtKB=P01876,HUMAN|HGNC=2528|UniProtKB=P53634,HUMAN|HGNC=910|UniProtKB=P25311,HUMAN|HGNC=9240|UniProtKB=P02775,HUMAN|HGNC=5240|UniProtKB=P48741,HUMAN|HGNC=3528|UniProtKB=P00742,HUMAN|HGNC=5156|UniProtKB=P00739,HUMAN|HGNC=10046|UniProtKB=P12724,HUMAN|HGNC=5895|UniProtKB=P01709,HUMAN|HGNC=19409|UniProtKB=O43300,HUMAN|HGNC=5619|UniProtKB=A0A0C4DH42,HUMAN|HGNC=2479|UniProtKB=O76096,HUMAN|HGNC=5604|UniProtKB=A0A0B4J1X8,HUMAN|HGNC=8993|UniProtKB=P12273,HUMAN|HGNC=8948|UniProtKB=P29622,HUMAN|HGNC=2475|UniProtKB=P01034,HUMAN|HGNC=15461|UniProtKB=P55145,HUMAN|HGNC=1546|UniProtKB=P50454,HUMAN|HGNC=5821|UniProtKB=A0A075B6H7,HUMAN|HGNC=4827|UniProtKB=P68871,HUMAN|HGNC=3530|UniProtKB=P00748,HUMAN|HGNC=5889|UniProtKB=A0A075B6J9,HUMAN|HGNC=4838|UniProtKB=P05546,HUMAN|HGNC=10499|UniProtKB=P06702,HUMAN|HGNC=2209|UniProtKB=P20908,HUMAN|HGNC=5730|UniProtKB=A0A0C4DH73,HUMAN|HGNC=2092|UniProtKB=Q00610,HUMAN|HGNC=6901|UniProtKB=P48740,HUMAN|HGNC=5879|UniProtKB=P01699,HUMAN|HGNC=4555|UniProtKB=P22352,HUMAN|HGNC=5800|UniProtKB=A0A075B6S2,HUMAN|HGNC=5645|UniProtKB=A0A0C4DH34,HUMAN|HGNC=5742|UniProtKB=A0A0C4DH72,HUMAN|HGNC=5816|UniProtKB=P01624,HUMAN|HGNC=5910|UniProtKB=P01718,HUMAN|HGNC=8942|UniProtKB=P48595,HUMAN|HGNC=9075|UniProtKB=P08697,HUMAN|HGNC=6902|UniProtKB=O00187,HUMAN|HGNC=2312|UniProtKB=P15169,HUMAN|HGNC=16452|UniProtKB=P0DN86,HUMAN|HGNC=21685|UniProtKB=Q6YHK3,HUMAN|HGNC=5856|UniProtKB=P0DOY2,HUMAN|HGNC=2367|UniProtKB=P02741,HUMAN|HGNC=15582|UniProtKB=Q8WXI7,HUMAN|HGNC=5732|UniProtKB=P04430,HUMAN|HGNC=5733|UniProtKB=P01599,HUMAN|HGNC=11756|UniProtKB=Q03403,HUMAN|HGNC=4798|UniProtKB=Q14520,HUMAN|HGNC=9456|UniProtKB=P07225,HUMAN|HGNC=15722|UniProtKB=Q8WXQ8,HUMAN|HGNC=5551|UniProtKB=A0A0C4DH33,HUMAN|HGNC=5927|UniProtKB=P01721,HUMAN|HGNC=5918|UniProtKB=A0A075B6K5,HUMAN|HGNC=5930|UniProtKB=A0A075B6I9,HUMAN|HGNC=5654|UniProtKB=P01825,HUMAN|HGNC=1247|UniProtKB=P09871,HUMAN|HGNC=5553|UniProtKB=A0A0A0MS14,HUMAN|Gene=HV108\_HUMAN|UniProtKB=P0DP01,HUMAN|HGNC=5620|UniProtKB=P01780,HUMAN|HGNC=5598|UniProtKB=A0A0C4DH35,HUMAN|HGNC=5756|UniProtKB=P04432,HUMAN|HGNC=21245|UniProtKB=Q6UXB8,HUMAN|HGNC=6383|UniProtKB=P01042,HUMAN|HGNC=5655|UniProtKB=A0A0C4DH41,HUMAN|HGNC=1228|UniProtKB=P05155,HUMAN|HGNC=5586|UniProtKB=A0A0B4J1V1,HUMAN|HGNC=5622|UniProtKB=A0A0B4J1Y9,HUMAN|HGNC=5785|UniProtKB=P06310,HUMAN|HGNC=5593|UniProtKB=P0DP02,HUMAN|HGNC=6517|UniPro

	tKB=P18428,HUMAN HGNC=1690 UniProtKB=O43866,HUMAN HGNC=2313 UniProtKB=P22792,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=3551 UniProtKB=P00740,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5929 UniProtKB=P04211,HUMAN HGNC=317 UniProtKB=P02771,HUMAN HGNC=13572 UniProtKB=Q9Y6R7,HUMAN HGNC=4829 UniProtKB=P02042,HUMAN HGNC=5908 UniProtKB=P01717,HUMAN HGNC=29953 UniProtKB=Q8WWZ8,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=9922 UniProtKB=P02753,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=6526 UniProtKB=P80188,HUMAN HGNC=8955 UniProtKB=P50453	
GO:0006402	HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=17150 UniProtKB=Q9Y2V2,HUMAN HGNC=5048 UniProtKB=Q00839	mRNA catabolic process
PC00214	HUMAN HGNC=29327 UniProtKB=Q5VZ46,HUMAN HGNC=2047 UniProtKB=O00501,HUMAN HGNC=11828 UniProtKB=Q9UDY2	tight junction
GO:0006024		glycosaminoglycan
GO:0110165	HUMAN HGNC=24293 UniProtKB=Q70JA7	biosynthetic process
GO:0010212	HUMAN HGNC=11317 UniProtKB=Q04837	cellular anatomical entity
GO:0000993	HUMAN HGNC=28771 UniProtKB=Q9BVC6,HUMAN HGNC=533 UniProtKB=P04083	response to ionizing radiation
		RNA polymerase II complex binding
GO:0007249	HUMAN HGNC=5048 UniProtKB=Q00839	
	HUMAN HGNC=30140 UniProtKB=A7MCY6,HUMAN HGNC=16391 UniProtKB=Q9H257,HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=29890 UniProtKB=Q86UT6,HUMAN HGNC=9275 UniProtKB=P35813	I-kappaB kinase/NF-kappaB signaling
GO:0009986	HUMAN HGNC=453 UniProtKB=P02760,HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=30167 UniProtKB=P13667,HUMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=10661 UniProtKB=P31431,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=29953 UniProtKB=Q8WWZ8,HUMAN HGNC=4606 UniProtKB=P30101	cell surface
PC00034	HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=11133 UniProtKB=O95721,HUMAN HGNC=11131 UniProtKB=O00161	SNARE protein
GO:0050727		regulation of inflammatory response
GO:0000813	HUMAN HGNC=533 UniProtKB=P04083	
GO:0030992	HUMAN HGNC=25153 UniProtKB=Q96EY5	ESCRT I complex
	HUMAN HGNC=30391 UniProtKB=Q9UG01,HUMAN HGNC=14313 UniProtKB=Q8WYAO,HUMAN HGNC=29262 UniProtKB=Q9P2H3	intracellular transport
GO:0043277	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=533 UniProtKB=P04083	particle B
GO:1905475		apoptotic cell clearance
GO:0005840	HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=17643 UniProtKB=Q9HD26	regulation of protein localization to membrane
GO:0046434	HUMAN HGNC=30547 UniProtKB=Q96K17	ribosome
	HUMAN HGNC=4456 UniProtKB=P43304,HUMAN HGNC=6050 UniProtKB=P29218	organophosphate catabolic process

GO:0019318	HUMAN HGNC=4116 UniProtKB=Q14376	hexose metabolic process
GO:0002443	HUMAN HGNC=11491 UniProtKB=P43405	leukocyte mediated immunity
GO:0000778	HUMAN HGNC=9112 UniProtKB=Q6P1K2	condensed nuclear chromosome kinetochore
PC00088	HUMAN HGNC=469 UniProtKB=Q01433	deaminase
GO:0032300	HUMAN HGNC=7127 UniProtKB=P40692,HUMAN HGNC=7326 UniProtKB=P20585	mismatch repair complex cysteine-type endopeptidase inhibitor activity
GO:0004869	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=2482 UniProtKB=P04080	DNA recombination
GO:0006310	HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401	
	HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=16053 UniProtKB=Q8N1V2,HUMAN HGNC=20908 UniProtKB=Q86YF9,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=25631 UniProtKB=Q96MT7,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=29262 UniProtKB=Q9P2H3,HUMAN HGNC=7729 UniProtKB=Q15019	vesicle targeting, trans-Golgi to periciliary membrane compartment
GO:0097712	HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=8761 UniProtKB=Q9BUL8,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=14902 UniProtKB=Q9NRW1,HUMAN HGNC=21354 UniProtKB=Q86XR7,HUMAN HGNC=24251 UniProtKB=Q9Y3A6,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=9786 UniProtKB=P20340,HUMAN HGNC=16075 UniProtKB=Q9H082,HUMAN HGNC=16998 UniProtKB=P49755,HUMAN HGNC=16996 UniProtKB=Q15363,HUMAN HGNC=24878 UniProtKB=Q9BVK6	
GO:0005794	HUMAN HGNC=15713 UniProtKB=Q9UJX4,HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=14452 UniProtKB=Q9NYG5	Golgi apparatus
GO:0051306	HUMAN HGNC=30025 UniProtKB=Q5VV67,HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=5048 UniProtKB=Q00839	mitotic sister chromatid separation
GO:0008134		transcription factor binding
GO:0004518	HUMAN HGNC=30646 UniProtKB=Q7KZF4	nuclease activity
	HUMAN HGNC=23151 UniProtKB=Q86UX7,HUMAN HGNC=3662 UniProtKB=P02675,HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=11845 UniProtKB=Q9Y490,HUMAN HGNC=29884 UniProtKB=Q8TF42	
GO:0070527	HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=243 UniProtKB=P35611	platelet aggregation
GO:0010720		positive regulation of cell development
		regulation of plasma membrane bounded cell projection organization
GO:0120035	HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=21295 UniProtKB=Q8TE68	
	HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=30013 UniProtKB=Q96PD5,HUMAN HGNC=544 UniProtKB=P08133	
GO:0005539		glycosaminoglycan binding
GO:0098969	HUMAN HGNC=7007 UniProtKB=P61006	neurotransmitter receptor transport to postsynaptic membrane
GO:0030140	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=7007 UniProtKB=P61006	trans-Golgi network transport vesicle

	MAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=17643 UniProtKB=Q9HD26	
	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=9495 UniProtKB=P24158,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=535 UniProtKB=P50995,HUMAN HGNC=3309 UniProtKB=P08246,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=9788 UniProtKB=P51149,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860	
GO:0006909	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=20120 UniProtKB=Q17RC7,HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=11881 UniProtKB=P62328	phagocytosis
GO:0034613		cellular protein localization
GO:0034381	HUMAN HGNC=607 UniProtKB=P02654	plasma lipoprotein particle clearance
GO:0031307		integral component of
GO:0001706	HUMAN HGNC=21689 UniProtKB=Q9Y3D6	mitochondrial outer membrane
	HUMAN HGNC=2188 UniProtKB=Q99715	endoderm formation

GO:000081		
1	HUMAN HGNC=26200 UniProtKB=Q9H668	GINS complex
	HUMAN HGNC=3602 UniProtKB=Q9UBX5,HUMAN HGNC=2209 UniProtKB=P20908,HUMAN HGNC=6714 UniProtKB=Q14766,HUMAN HGNC=2188 UniProtKB=Q99715,HUMAN HGNC=2211 UniProtKB=P12109,HUMAN HGNC=6922 UniProtKB=P11226,HUMAN HGNC=15855 UniProtKB=Q9NPY3,HUMAN HGNC=3218 UniProtKB=Q12805,HUMAN HGNC=2213 UniProtKB=P12111	extracellular matrix structural protein
PC00103		cellular response to hormone stimulus
GO:003287		
0	HUMAN HGNC=7670 UniProtKB=Q9Y6Q9	
GO:000648		
2	HUMAN HGNC=30178 UniProtKB=Q9Y570	protein demethylation
	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=14451 UniProtKB=Q9BQK8	cellular response to insulin stimulus
GO:003286		
9		
GO:001624		
7	HUMAN HGNC=1406 UniProtKB=Q9Y698	channel regulator activity
GO:004663		alpha-beta T cell differentiation
2	HUMAN HGNC=6171 UniProtKB=Q08881,HUMAN HGNC=533 UniProtKB=P04083	extracellular matrix glycoprotein
	HUMAN HGNC=11219 UniProtKB=P09486,HUMAN HGNC=2464 UniProtKB=P13611	
PC00100		
	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=8878 UniProtKB=Q01813	carbohydrate kinase activation of innate immune response
PC00065		
GO:000221		
8	HUMAN HGNC=7183 UniProtKB=P41218	
	HUMAN HGNC=27424 UniProtKB=Q5T481,HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=22958 UniProtKB=Q9NR12	heart development
GO:000750		
7	HUMAN HGNC=28101 UniProtKB=Q2M2H8,HUMAN HGNC=4138 UniProtKB=Q14697	glucosidase
PC00108		
	HUMAN HGNC=9065 UniProtKB=P19174,HUMAN HGNC=613 UniProtKB=P02649,HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=9093 UniProtKB=P55058	multicellular organismal process
GO:003250		
1		
GO:000660		
5	HUMAN HGNC=13206 UniProtKB=O60296	protein targeting
	HUMAN HGNC=4827 UniProtKB=P68871,HUMAN HGNC=4831 UniProtKB=P69891,HUMAN HGNC=4823 UniProtKB=P69905,HUMAN HGNC=4829 UniProtKB=P02042	organic acid binding
GO:004317		basic leucine zipper transcription factor
7		muscle structure development
PC00056		
	HUMAN HGNC=18808 UniProtKB=Q9Y6E2	
GO:006106		
	HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=22958 UniProtKB=Q9NR12	
GO:000378		
	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=11881 UniProtKB=P62328	actin monomer binding
GO:000549		
	HUMAN HGNC=4187 UniProtKB=P02774,HUMAN HGNC=10839 UniProtKB=P04278	steroid binding
GO:003025		
	HUMAN HGNC=30244 UniProtKB=Q6P1A2,HUMAN HGNC=2850 UniProtKB=Q9Y6T7	lipid modification
GO:009030		positive regulation of wound healing
	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=533 UniProtKB=P04083	
3		
	HUMAN HGNC=1165 UniProtKB=Q9Y4D2,HUMAN HGNC=20175 UniProtKB=Q9Y3E0	lipase
PC00143		

GO:004353		protein serine/threonine
9	HUMAN HGNC=20292 UniProtKB=Q9Y376	kinase activator activity
GO:001714	HUMAN HGNC=4045 UniProtKB=O75084,HUMAN HGNC=11119	
7	UniProtKB=Q99835	Wnt-protein binding
GO:000734		regulation of mitotic cell
6	HUMAN HGNC=18673 UniProtKB=Q96JB5	cycle
GO:001648	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=8569 U	
5	niProtKB=P29122,HUMAN HGNC=2312 UniProtKB=P15169	protein processing
GO:001631	HUMAN HGNC=5461 UniProtKB=P78318,HUMAN HGNC=6050 U	
1	niProtKB=P29218	dephosphorylation
GO:003065	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=555 U	
8	niProtKB=O43747	transport vesicle membrane
	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=11984	
	UniProtKB=Q6ZVM7,HUMAN HGNC=11510 UniProtKB=Q8N9I0,H	
	UMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=23186 Uni	
	ProtKB=Q14677,HUMAN HGNC=2092 UniProtKB=Q00610,HUMA	
	N HGNC=13667 UniProtKB=Q9BXS5,HUMAN HGNC=2090 UniPro	
GO:003027	tKB=P09496,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HG	
6	NC=11512 UniProtKB=Q9H2B2	clathrin binding
		RNA polymerase II
GO:009057	HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=23688	transcription regulator
5	UniProtKB=Q86UU0,HUMAN HGNC=5048 UniProtKB=Q00839	complex
GO:003110	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 U	microtubule polymerization
9	niProtKB=Q15691	or depolymerization
GO:003001		
4	HUMAN HGNC=9207 UniProtKB=Q9UFF9	CCR4-NOT complex
GO:004858		negative regulation of
5	HUMAN HGNC=533 UniProtKB=P04083	response to stimulus
GO:002260	HUMAN HGNC=3602 UniProtKB=Q9UBX5,HUMAN HGNC=15855	cellular component
7	UniProtKB=Q9NPY3	assembly
	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=9353 U	
GO:004532	niProtKB=P32119,HUMAN HGNC=9352 UniProtKB=Q06830,HUMA	
1	N HGNC=16961 UniProtKB=Q15762	leukocyte activation
		regulation of
GO:004366		phosphoprotein
6	HUMAN HGNC=1173 UniProtKB=Q5H9R7	phosphatase activity
GO:009011	HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=10701	COPII-coated vesicle
4	UniProtKB=Q15436	budding
GO:190249		transmembrane transporter
5	HUMAN HGNC=806 UniProtKB=P54709	complex
	HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=11138	
GO:000550	UniProtKB=P37840,HUMAN HGNC=21101 UniProtKB=O60888,H	
7	UMAN HGNC=2689 UniProtKB=P09172	
	HUMAN HGNC=11873 UniProtKB=Q9NYL9,HUMAN HGNC=12012	
	UniProtKB=P06753,HUMAN HGNC=544 UniProtKB=P08133,HUM	
GO:000693	AN HGNC=12013 UniProtKB=P67936,HUMAN HGNC=12011 UniP	
6	rotKB=P07951	muscle contraction
		integral component of
GO:003017	HUMAN HGNC=30550 UniProtKB=O60337,HUMAN HGNC=17943	endoplasmic reticulum
6	UniProtKB=Q9GZP9,HUMAN HGNC=24175 UniProtKB=Q9P035	membrane
GO:000388		DNA-directed DNA
7	HUMAN HGNC=14060 UniProtKB=Q9UBZ9	polymerase activity

GO:0005929	HUMAN HGNC=14313 UniProtKB=Q8WYAO,HUMAN HGNC=26664 UniProtKB=Q8N841,HUMAN HGNC=11119 UniProtKB=Q99835,HUMAN HGNC=29262 UniProtKB=Q9P2H3	cilium
GO:0007039	HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=11357 UniProtKB=Q92783	protein catabolic process in the vacuole
GO:0006631	HUMAN HGNC=2328 UniProtKB=P50416	fatty acid metabolic process
PC00172	HUMAN HGNC=9465 UniProtKB=P11908,HUMAN HGNC=7413 UniProtKB=Q13126,HUMAN HGNC=29035 UniProtKB=O43314,HUMAN HGNC=362 UniProtKB=P54819,HUMAN HGNC=363 UniProtKB=P27144,HUMAN HGNC=361 UniProtKB=P00568,HUMAN HGNC=18170 UniProtKB=P30085,HUMAN HGNC=17376 UniProtKB=Q9UIJ7,HUMAN HGNC=7892 UniProtKB=P00491,HUMAN HGNC=9462 UniProtKB=P60891	nucleotide kinase
GO:0036158	HUMAN HGNC=2952 UniProtKB=Q96JB1	outer dynein arm assembly anatomical structure
GO:0048646	HUMAN HGNC=12652 UniProtKB=P50552,HUMAN HGNC=13937 UniProtKB=O95866	formation involved in morphogenesis
GO:0010033	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=255 UniProtKB=P28332	response to organic substance
GO:0050868	HUMAN HGNC=533 UniProtKB=P04083	negative regulation of T cell activation
GO:0070603	HUMAN HGNC=29989 UniProtKB=Q86YP4	SWI/SNF superfamily-type complex
GO:0016597	HUMAN HGNC=20 UniProtKB=P49588	amino acid binding
GO:0097352	HUMAN HGNC=6501 UniProtKB=P13473,HUMAN HGNC=12666 UniProtKB=P55072	autophagosome maturation
GO:0071162	HUMAN HGNC=26200 UniProtKB=Q9H668	CMG complex
GO:0048016	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=9314 UniProtKB=Q08209,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=3540 UniProtKB=Q96RIO	inositol phosphate-mediated signaling
GO:0010557	HUMAN HGNC=6517 UniProtKB=P18428	positive regulation of macromolecule biosynthetic process
PC00002	HUMAN HGNC=14247 UniProtKB=O75964,HUMAN HGNC=837 UniProtKB=P30049,HUMAN HGNC=846 UniProtKB=P56385,HUMAN HGNC=845 UniProtKB=O75947,HUMAN HGNC=851 UniProtKB=P38606,HUMAN HGNC=833 UniProtKB=P36542,HUMAN HGNC=823 UniProtKB=P25705,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=850 UniProtKB=P48047	ATP synthase
GO:0000266	HUMAN HGNC=21689 UniProtKB=Q9Y3D6,HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	mitochondrial fission
GO:0090287	HUMAN HGNC=1692 UniProtKB=P08962	regulation of cellular response to growth factor stimulus
GO:0006165	HUMAN HGNC=363 UniProtKB=P27144,HUMAN HGNC=361 UniProtKB=P00568	nucleoside diphosphate phosphorylation

	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=1062 UniProtKB=P53004,HUMAN HGNC=4141 UniProtKB=P04406,HUMAN HGNC=7863 UniProtKB=Q13423,HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=6970 UniProtKB=P40925,HUMAN HGNC=4057 UniProtKB=P11413,HUMAN HGNC=4335 UniProtKB=P00367,HUMAN HGNC=6535 UniProtKB=P00338,HUMAN HGNC=8891 UniProtKB=P52209,HUMAN HGNC=18399 UniProtKB=Q8N5I4,HUMAN HGNC=6971 UniProtKB=P40926,HUMAN HGNC=6541 UniProtKB=P07195,HUMAN HGNC=17964 UniProtKB=Q8TC12,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=4456 UniProtKB=P43304,HUMAN HGNC=18647 UniProtKB=Q8WWV3,HUMAN HGNC=92 UniProtKB=P49748,HUMAN HGNC=7717 UniProtKB=P19404,HUMAN HGNC=5383 UniProtKB=P48735,HUMAN HGNC=255 UniProtKB=P28332,HUMAN HGNC=5386 UniProtKB=P51553,HUMAN HGNC=412 UniProtKB=P49189	dehydrogenase
PC00092	HUMAN HGNC=4635 UniProtKB=P21266,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=4634 UniProtKB=P28161,HUMAN HGNC=4312 UniProtKB=P48507,HUMAN HGNC=4632 UniProtKB=P09488,HUMAN HGNC=4623 UniProtKB=P00390,HUMAN HGNC=4638 UniProtKB=P09211	glutathione metabolic process
GO:0006749	HUMAN HGNC=8533 UniProtKB=P51575,HUMAN HGNC=2153 UniProtKB=Q9NQW8	ligand-gated ion channel
PC00141	HUMAN HGNC=395 UniProtKB=P13716	dehydratase
PC00091	HUMAN HGNC=26555 UniProtKB=Q3SY00,HUMAN HGNC=17060 UniProtKB=Q92845	ciliary transition zone
GO:0035869		
GO:0016592	HUMAN HGNC=11957 UniProtKB=Q93074	mediator complex
GO:0050818	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=3537 UniProtKB=P25116	regulation of coagulation
GO:0004864	HUMAN HGNC=14871 UniProtKB=Q96A00,HUMAN HGNC=14952 UniProtKB=Q8TAE6	protein phosphatase inhibitor activity
GO:0042734	HUMAN HGNC=8515 UniProtKB=Q9HC10	presynaptic membrane
PC00070	HUMAN HGNC=6616 UniProtKB=P48059	cell junction protein
	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN Gene=SEP15 UniProtKB=O60613,HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=4141 UniProtKB=P04406,HUMAN HGNC=7863 UniProtKB=Q13423,HUMAN HGNC=11180 UniProtKB=P04179,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=4456 UniProtKB=P43304,HUMAN HGNC=4335 UniProtKB=P00367,HUMAN HGNC=7717 UniProtKB=P19404,HUMAN HGNC=412 UniProtKB=P49189	oxidoreductase activity
GO:0016491		negative regulation of
GO:0051250	HUMAN HGNC=18233 UniProtKB=Q8NDB2	lymphocyte activation
	HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=14294 UniProtKB=Q9BYB0	dendritic spine
GO:0043197	HUMAN HGNC=17259 UniProtKB=Q9Y4Z0,HUMAN HGNC=29190 UniProtKB=Q9UPQ9,HUMAN HGNC=20250 UniProtKB=Q96IF1,HUMAN HGNC=9207 UniProtKB=Q9UFF9	P-body
GO:0000932		

GO:001998		
5	HUMAN HGNC=14060 UniProtKB=Q9UBZ9	translesion synthesis
GO:005068		regulation of mRNA
4	HUMAN HGNC=21605 UniProtKB=Q14151	processing
GO:200078		negative regulation of
0	HUMAN HGNC=23077 UniProtKB=Q96FW1	double-strand break repair
	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=11491	
	UniProtKB=P43405,HUMAN HGNC=3537 UniProtKB=P25116,HUM	
GO:000960	AN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=7967 UniProt	response to external
5	KB=Q96RI1,HUMAN HGNC=2300 UniProtKB=Q96IY4	stimulus
GO:200011		regulation of cysteine-type
6	HUMAN HGNC=2479 UniProtKB=O76096	endopeptidase activity
GO:004393	HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=9093 U	protein-containing complex
3	niProtKB=P55058	subunit organization
GO:001702		
5	HUMAN HGNC=9552 UniProtKB=P62195	TBP-class protein binding
	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=544 U	
	niProtKB=P08133,HUMAN HGNC=12601 UniProtKB=O75445,HUM	
GO:000988	AN HGNC=7002 UniProtKB=A6NDR6,HUMAN HGNC=885 UniProt	animal organ
7	KB=O75882,HUMAN HGNC=14294 UniProtKB=Q9BYB0	morphogenesis
GO:001802	HUMAN HGNC=7133 UniProtKB=O14686,HUMAN HGNC=13726	histone-lysine N-
4	UniProtKB=Q8NEZ4	methyltransferase activity
	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=12690	
	UniProtKB=P09327,HUMAN HGNC=11148 UniProtKB=Q16658,HU	
	MAN HGNC=12733 UniProtKB=Q9Y6W5,HUMAN HGNC=2695 Un	
	iProtKB=Q16643,HUMAN HGNC=7590 UniProtKB=Q15746,HUMA	
	N HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=14653 UniPro	
GO:003002	tKB=Q9HBI1,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN H	
7	GNC=11320 UniProtKB=Q8IZP0	lamellipodium
GO:003033		
2	HUMAN HGNC=24224 UniProtKB=Q9NYV4	cyclin binding
	HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=5269 U	
	niProtKB=P61604,HUMAN HGNC=5239 UniProtKB=P17066,HUMA	
	N HGNC=30594 UniProtKB=Q9H3U1,HUMAN HGNC=5238 UniPro	
	tKB=P11021,HUMAN HGNC=5270 UniProtKB=P25685,HUMAN H	
GO:006107	GNC=5240 UniProtKB=P48741,HUMAN HGNC=11343 UniProtKB=	chaperone-mediated
7	P50502	protein folding
	HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=19100	
	UniProtKB=Q5VWK5,HUMAN HGNC=11364 UniProtKB=P40763,H	
GO:001922	UMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=8862 U	cytokine-mediated signaling
1	niProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776	pathway
GO:001095		positive regulation of
0	HUMAN HGNC=9568 UniProtKB=Q06323	endopeptidase activity
GO:000658		catecholamine metabolic
4	HUMAN HGNC=2689 UniProtKB=P09172	process
GO:004801		phosphatidylinositol-
5	HUMAN HGNC=9055 UniProtKB=Q00722	mediated signaling
GO:004512		regulation of bone
4	HUMAN HGNC=29884 UniProtKB=Q8TF42	resorption
GO:004439		ubiquitin-like protein
0	HUMAN HGNC=16476 UniProtKB=Q9H0E2	conjugating enzyme binding
GO:003086	HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=17905	cortical actin cytoskeleton
6	UniProtKB=Q9Y613	organization

GO:0071218	HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=15663 UniProtKB=Q9NYU2	cellular response to misfolded protein
GO:0017056	HUMAN HGNC=8062 UniProtKB=P49790,HUMAN HGNC=17859 UniProtKB=Q5SRE5	structural constituent of nuclear pore
GO:0007155	HUMAN HGNC=8710 UniProtKB=Q9Y5G1,HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=2209 UniProtKB=P20908,HUMAN HGNC=14674 UniProtKB=Q96QU1,HUMAN HGNC=2047 UniProtKB=O00501,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=11771 UniProtKB=Q15582	cell adhesion
PC00155	HUMAN HGNC=8728 UniProtKB=P22061,HUMAN HGNC=24550 UniProtKB=Q9H8H3,HUMAN HGNC=12591 UniProtKB=P06132	methyltransferase
GO:0060491	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=21295 UniProtKB=Q8TE68	regulation of cell projection assembly
GO:0030427	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317	site of polarized growth
GO:0000790	HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=14008 UniProtKB=Q9BW11,HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=18411 UniProtKB=Q3KNW1,HUMAN HGNC=14010 UniProtKB=Q8IWI9,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=3815 UniProtKB=Q12951,HUMAN HGNC=20508 UniProtKB=Q8IUE6,HUMAN HGNC=11590 UniProtKB=Q16650,HUMAN HGNC=5036 UniProtKB=Q14103,HUMAN HGNC=12879 UniProtKB=P21506,HUMAN HGNC=7002 UniProtKB=A6NDR6	nuclear chromatin
GO:0008033	HUMAN HGNC=26022 UniProtKB=Q7LOY3	tRNA processing
GO:0043951	HUMAN HGNC=237 UniProtKB=O43306	negative regulation of cAMP-mediated signaling
GO:0017137	HUMAN HGNC=25694 UniProtKB=Q8TC07,HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=30512 UniProtKB=Q5JSH3,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=25571 UniProtKB=Q9NVG8	Rab GTPase binding
GO:0017022	HUMAN HGNC=13206 UniProtKB=O60296	myosin binding
GO:0006066	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=24552 UniProtKB=Q3LXA3,HUMAN HGNC=12009 UniProtKB=P60174,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=6050 UniProtKB=P29218,HUMAN HGNC=255 UniProtKB=P28332	alcohol metabolic process
GO:0051560	HUMAN HGNC=23526 UniProtKB=Q8NE86,HUMAN HGNC=544 UniProtKB=P08133	mitochondrial calcium ion homeostasis
GO:0050790	HUMAN HGNC=9386 UniProtKB=Q9UGJ0	regulation of catalytic activity
GO:0000276	HUMAN HGNC=14247 UniProtKB=O75964,HUMAN HGNC=845 UniProtKB=O75947,HUMAN HGNC=850 UniProtKB=P48047	mitochondrial proton-transporting ATP synthase complex, coupling factor F(o)
GO:0030182	HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1	neuron differentiation
GO:0030695	HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=678 UniProtKB=P52565	GTPase regulator activity
GO:0035251	HUMAN HGNC=4699 UniProtKB=P46976,HUMAN HGNC=15663 UniProtKB=Q9NYU2	UDP-glucosyltransferase activity

GO:0001725	HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=7590 UniProtKB=Q15746,HUMAN HGNC=13200 UniProtKB=Q15942,HUMAN HGNC=18142 UniProtKB=Q9Y4D1,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=22958 UniProtKB=Q9NR12,HUMAN HGNC=6040 UniProtKB=Q13418	stress fiber
GO:0043596	HUMAN HGNC=26200 UniProtKB=Q9H668	nuclear replication fork
GO:0044380	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 UniProtKB=Q15691	protein localization to cytoskeleton
GO:0031098	HUMAN HGNC=11408 UniProtKB=Q13043,HUMAN HGNC=30765 UniProtKB=Q9UKE5	stress-activated protein kinase signaling cascade
PC00073	HUMAN HGNC=5269 UniProtKB=P61604,HUMAN HGNC=1623 UniProtKB=P50990,HUMAN HGNC=11655 UniProtKB=P17987,HUMAN HGNC=1617 UniProtKB=P50991,HUMAN HGNC=1622 UniProtKB=Q99832,HUMAN HGNC=1618 UniProtKB=P48643,HUMAN HGNC=1620 UniProtKB=P40227,HUMAN HGNC=32153 UniProtKB=A6NM43,HUMAN HGNC=11579 UniProtKB=O75347,HUMAN HGNC=1615 UniProtKB=P78371	chaperonin
GO:0061630	HUMAN HGNC=463 UniProtKB=Q9UKV5,HUMAN HGNC=27146 UniProtKB=Q5TA31,HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=9261 UniProtKB=Q13356,HUMAN HGNC=14452 UniProtKB=Q9NYG5,HUMAN HGNC=26378 UniProtKB=Q8N7C3,HUMAN HGNC=25544 UniProtKB=Q9HCI7	ubiquitin protein ligase activity
GO:0033627	HUMAN HGNC=23151 UniProtKB=Q86UX7,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=6153 UniProtKB=P05556	cell adhesion mediated by integrin
GO:0045732	HUMAN HGNC=16804 UniProtKB=O00308	positive regulation of protein catabolic process
GO:0006096	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=418 UniProtKB=P09972,HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=4141 UniProtKB=P04406,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=4922 UniProtKB=P19367,HUMAN HGNC=414 UniProtKB=P04075,HUMAN HGNC=3350 UniProtKB=P06733,HUMAN HGNC=12009 UniProtKB=P60174,HUMAN HGNC=3353 UniProtKB=P09104,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=3354 UniProtKB=P13929	glycolytic process
GO:0007052	HUMAN HGNC=2712 UniProtKB=Q13561,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=9308 UniProtKB=Q15257	mitotic spindle organization
GO:0001505	HUMAN HGNC=16937 UniProtKB=O75915,HUMAN HGNC=2689 UniProtKB=P09172	regulation of neurotransmitter levels
PC00033	HUMAN HGNC=26022 UniProtKB=Q7LOY3,HUMAN HGNC=17136 UniProtKB=Q8IY81	RNA methyltransferase
GO:0016684	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=4555 UniProtKB=P22352,HUMAN HGNC=7218 UniProtKB=P05164,HUMAN HGNC=9355 UniProtKB=P30044,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=4823 UniProtKB=P69905,HUMAN HGNC=4829 UniProtKB=P02042,HUMAN HGNC=9352 UniProtKB=Q06830,HUMAN HGNC=4827 UniProtKB=P68871,HUMAN HGNC=3423 UniProtKB=P11678,HUMAN HGNC=9353 UniProtKB=P32119,HUMAN HGNC=4831 UniProtKB=P69891,HUMAN HGNC=1516 UniProtKB=P04040,HUMAN HGNC=9354 UniProtKB=P30048	oxidoreductase activity, acting on peroxide as acceptor

	HUMAN HGNC=11957 UniProtKB=Q93074,HUMAN HGNC=25473 UniProtKB=Q9P2N6,HUMAN HGNC=7670 UniProtKB=Q9Y6Q9,HUMAN HGNC=7133 UniProtKB=O14686,HUMAN HGNC=23708 UniProtKB=Q6ZR52,HUMAN HGNC=15935 UniProtKB=Q9H4I2,HUMAN HGNC=29084 UniProtKB=O75123,HUMAN HGNC=26427 UniProtKB=Q96ND8,HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1,HUMAN HGNC=3815 UniProtKB=Q12951,HUMAN HGNC=11590 UniProtKB=Q16650,HUMAN HGNC=14451 UniProtKB=Q9BQK8,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=12879 UniProtKB=P21506,HUMAN HGNC=16272 UniProtKB=Q96JK9,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=10475 UniProtKB=Q9Y230,HUMAN HGNC=7002 UniProtKB=A6NDR6,HUMAN HGNC=33108 UniProtKB=Q6NX45,HUMAN HGNC=14008 UniProtKB=Q9BW11,HUMAN HGNC=13061 UniProtKB=Q14587,HUMAN HGNC=14010 UniProtKB=Q8IWI9,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=21605 UniProtKB=Q14151,HUMAN HGNC=6702 UniProtKB=Q32MZ4,HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=18807 UniProtKB=O94983,HUMAN HGNC=13726 UniProtKB=Q8NEZ4,HUMAN HGNC=16804 UniProtKB=O00308,HUMAN HGNC=17801 UniProtKB=Q8NHV6,HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=31797 UniProtKB=P0C7V6,HUMAN HGNC=30025 UniProtKB=Q5VV67,HUMAN HGNC=9459 UniProtKB=Q92786,HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=13109 UniProtKB=P17038,HUMAN HGNC=29989 UniProtKB=Q86YP4,HUMAN HGNC=23688 UniProtKB=Q86UU0,HUMAN HGNC=9885 UniProtKB=P29374,HUMAN HGNC=6207 UniProtKB=P14923,HUMAN HGNC=7967 UniProtKB=Q96RI1,HUMAN HGNC=8647 UniProtKB=Q15365,HUMAN HGNC=7547 UniProtKB=P10243,HUMAN HGNC=5044 UniProtKB=P61978,HUMAN HGNC=10055 UniProtKB=Q8N5U6	
GO:0006366	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=871 UniProtKB=Q9UII2,HUMAN HGNC=533 UniProtKB=P04083	transcription by RNA polymerase II
GO:0051346		negative regulation of hydrolase activity
		positive regulation of cysteine-type endopeptidase activity
		involved in apoptotic process
GO:0043280	HUMAN HGNC=19388 UniProtKB=P49593,HUMAN HGNC=19986 UniProtKB=P99999	oxidoreductase activity, acting on the CH-CH group of donors
GO:0016627	HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=119 UniProtKB=Q15067	ubiquitin-like modifier activating enzyme activity
GO:0008641	HUMAN HGNC=12469 UniProtKB=P22314	amino acid transporter
PC00046	HUMAN HGNC=16937 UniProtKB=O75915	cellular response to starvation
GO:0009267	HUMAN HGNC=6501 UniProtKB=P13473,HUMAN HGNC=9386 UniProtKB=Q9UGJ0	
GO:0009056	HUMAN HGNC=5171 UniProtKB=P02790,HUMAN HGNC=7176 UniProtKB=P14780	catabolic process
	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2905 UniProtKB=O14490,HUMAN HGNC=14294 UniProtKB=Q9BYB0	regulation of system process
GO:0044057		negative regulation of blood coagulation
GO:0030195	HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=2300 UniProtKB=Q96IY4	

GO:0043235	HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=4243 UniProtKB=P56159,HUMAN HGNC=19100 UniProtKB=Q5VWK5,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=4244 UniProtKB=O00451,HUMAN HGNC=6091 UniProtKB=P06213	receptor complex
GO:0001947	HUMAN HGNC=14010 UniProtKB=Q8IWI9,HUMAN HGNC=11590 UniProtKB=Q16650	heart looping
GO:0007163	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=29327 UniProtKB=Q5VZ46,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=14653 UniProtKB=Q9HBI1	establishment or maintenance of cell polarity
PC00079	HUMAN HGNC=24552 UniProtKB=Q3LXA3	cyclase
PC00150	HUMAN HGNC=7642 UniProtKB=Q99747,HUMAN HGNC=28984 UniProtKB=Q12768,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=13487 UniProtKB=Q96QK1,HUMAN HGNC=8766 UniProtKB=Q8WUM4,HUMAN HGNC=37094 UniProtKB=P0CG39,HUMAN HGNC=6752 UniProtKB=P20645,HUMAN HGNC=8016 UniProtKB=P46459,HUMAN HGNC=30904 UniProtKB=O60763,HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=18451 UniProtKB=Q8NI22,HUMAN HGNC=13667 UniProtKB=Q9BXS5,HUMAN HGNC=3419 UniProtKB=P42566,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HGNC=9087 UniProtKB=Q04941,HUMAN HGNC=554 UniProtKB=Q10567,HUMAN HGNC=16695 UniProtKB=P51572,HUMAN HGNC=13206 UniProtKB=O60296,HUMAN HGNC=20120 UniProtKB=Q17RC7,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=570 UniProtKB=P53677,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=20954 UniProtKB=Q9NP79,HUMAN HGNC=24634 UniProtKB=Q9UBC2,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=23594 UniProtKB=Q709C8,HUMAN HGNC=15578 UniProtKB=Q96D71,HUMAN HGNC=10690 UniProtKB=O95810,HUMAN HGNC=16820 UniProtKB=Q14162,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=33895 UniProtKB=Q6S8J3,HUMAN HGNC=19176 UniProtKB=Q96DZ9,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=30389 UniProtKB=Q96A65,HUMAN HGNC=1908 UniProtKB=Q96RL7	membrane traffic protein
GO:0035239	HUMAN HGNC=12652 UniProtKB=P50552	tube morphogenesis
GO:0010811	HUMAN HGNC=6616 UniProtKB=P48059	positive regulation of cell-substrate adhesion
PC00110	HUMAN HGNC=5164 UniProtKB=Q9Y251,HUMAN HGNC=15527 UniProtKB=Q86Z14	glycosidase
PC00261	HUMAN HGNC=7670 UniProtKB=Q9Y6Q9,HUMAN HGNC=18039 UniProtKB=Q9UGL1	histone modifying enzyme
PC00212	HUMAN HGNC=17213 UniProtKB=Q9BWP8	surfactant
GO:0003697	HUMAN HGNC=8648 UniProtKB=Q15366,HUMAN HGNC=8647 UniProtKB=Q15365,HUMAN HGNC=11317 UniProtKB=Q04837	single-stranded DNA binding
GO:0044087	HUMAN HGNC=5048 UniProtKB=Q00839	regulation of cellular component biogenesis

GO:0006914	HUMAN HGNC=18423 UniProtKB=O75140,HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=19692 UniProtKB=Q96F24,HUMAN HGNC=1908 UniProtKB=Q96RL7	autophagy
GO:0032147	HUMAN HGNC=11408 UniProtKB=Q13043,HUMAN HGNC=30765 UniProtKB=Q9UKE5,HUMAN HGNC=28164 UniProtKB=Q96M27,HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=6890 UniProtKB=Q15691,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=6835 UniProtKB=P78559	activation of protein kinase activity
GO:0008017		microtubule binding
GO:0006403	HUMAN HGNC=5048 UniProtKB=Q00839	RNA localization
GO:0008276	HUMAN HGNC=8728 UniProtKB=P22061	protein methyltransferase activity
GO:0005687	HUMAN HGNC=20471 UniProtKB=O95777	U4 snRNP
GO:0014032	HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=2254 UniProtKB=Q9ULV4	neural crest cell development
PC00234	HUMAN HGNC=20589 UniProtKB=Q9P0J7,HUMAN HGNC=12488 UniProtKB=P68036,HUMAN HGNC=12491 UniProtKB=P61081,HUMAN HGNC=12469 UniProtKB=P22314,HUMAN HGNC=30688 UniProtKB=Q86VP6,HUMAN HGNC=30550 UniProtKB=O60337,HUMAN HGNC=12476 UniProtKB=P61077,HUMAN HGNC=2552 UniProtKB=Q13617,HUMAN HGNC=12475 UniProtKB=P62837,HUMAN HGNC=16804 UniProtKB=O00308,HUMAN HGNC=463 UniProtKB=Q9UKV5,HUMAN HGNC=27146 UniProtKB=Q5TA31,HUMAN HGNC=12492 UniProtKB=P61088,HUMAN HGNC=20296 UniProtKB=Q9Y2H6,HUMAN HGNC=30866 UniProtKB=Q8IX04,HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=10899 UniProtKB=P63208,HUMAN HGNC=14452 UniProtKB=Q9NYG5,HUMAN HGNC=2551 UniProtKB=Q13616,HUMAN HGNC=26378 UniProtKB=Q8N7C3,HUMAN HGNC=12494 UniProtKB=Q13404,HUMAN HGNC=17598 UniProtKB=Q9Y385	ubiquitin-protein ligase
GO:0051283	HUMAN HGNC=544 UniProtKB=P08133	negative regulation of sequestering of calcium ion
GO:0034329	HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=10252 UniProtKB=O75116	cell junction assembly
GO:0008156	HUMAN HGNC=7326 UniProtKB=P20585	negative regulation of DNA replication
GO:0022604	HUMAN HGNC=12690 UniProtKB=P09327	regulation of cell morphogenesis
GO:0061024	HUMAN HGNC=25541 UniProtKB=P57088,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=12648 UniProtKB=Q9P0L0	membrane organization
GO:0008242	HUMAN HGNC=4248 UniProtKB=Q92820	omega peptidase activity
GO:0048666	HUMAN HGNC=29943 UniProtKB=Q9NT68	neuron development
GO:0010467	HUMAN HGNC=8648 UniProtKB=Q15366,HUMAN HGNC=10898 UniProtKB=Q15477,HUMAN HGNC=17150 UniProtKB=Q9Y2V2,HUMAN HGNC=6871 UniProtKB=P28482,HUMAN HGNC=29190 UniProtKB=Q9UPQ9,HUMAN HGNC=5036 UniProtKB=Q14103,HUMAN HGNC=12648 UniProtKB=Q9P0L0	gene expression

	N   HGNC=6876   UniProtKB=Q16539, HUMAN   HGNC=17196   UniProtKB=Q8NG08, HUMAN   HGNC=13506   UniProtKB=Q8TBJ5	
GO:003336		protein localization to organelle
5	HUMAN   HGNC=23432   UniProtKB=Q9NXG0	
	HUMAN   HGNC=26068   UniProtKB=Q6IAA8, HUMAN   HGNC=8761   UniProtKB=Q9BUL8, HUMAN   HGNC=11408   UniProtKB=Q13043, HUMAN   HGNC=6766   UniProtKB=Q8WVG6, HUMAN   HGNC=30765   UniProtKB=Q9UKE5, HUMAN   HGNC=9673   UniProtKB=Q12913, HUMAN   HGNC=6840   UniProtKB=Q02750, HUMAN   HGNC=6091   UniProtKB=P06213, HUMAN   HGNC=8630   UniProtKB=P30086	MAPK cascade
GO:000016		protein-containing complex
5		disassembly
GO:003298		disulfide oxidoreductase activity
4	HUMAN   HGNC=607   UniProtKB=P02654	
GO:001503	HUMAN   HGNC=4623   UniProtKB=P00390, HUMAN   HGNC=13312   UniProtKB=P78417	
6		
GO:003439		nuclear periphery
9	HUMAN   HGNC=5048   UniProtKB=Q00839	
	HUMAN   HGNC=10372   UniProtKB=P05386, HUMAN   HGNC=9391   UniProtKB=P13861, HUMAN   HGNC=18756   UniProtKB=Q9BYZ6, HUMAN   HGNC=1742   UniProtKB=P50851, HUMAN   HGNC=8761   UniProtKB=Q9BUL8, HUMAN   HGNC=9801   UniProtKB=P63000, HUMAN   HGNC=9392   UniProtKB=P31323, HUMAN   HGNC=17780   UniProtKB=Q562R1, HUMAN   HGNC=10690   UniProtKB=O95810, HUMAN   HGNC=9802   UniProtKB=P15153, HUMAN   HGNC=29327   UniProtKB=Q5VZ46, HUMAN   HGNC=20292   UniProtKB=Q9Y376, HUMAN   HGNC=16276   UniProtKB=Q9C035, HUMAN   HGNC=9386   UniProtKB=Q9UGJO	
GO:001990		protein kinase binding
1	HUMAN   HGNC=4827   UniProtKB=P68871, HUMAN   HGNC=4831   UniProtKB=P69891, HUMAN   HGNC=1516   UniProtKB=P04040, HUMAN   HGNC=4823   UniProtKB=P69905, HUMAN   HGNC=4829   UniProtKB=P02042	
GO:002003		heme binding
7	HUMAN   HGNC=8761   UniProtKB=Q9BUL8, HUMAN   HGNC=15912   UniProtKB=Q9UNZ2, HUMAN   HGNC=21354   UniProtKB=Q86XR7, HUMAN   HGNC=24251   UniProtKB=Q9Y3A6, HUMAN   HGNC=6631   UniProtKB=P49257, HUMAN   HGNC=16998   UniProtKB=P49755, HUMAN   HGNC=16996   UniProtKB=Q15363, HUMAN   HGNC=24878   UniProtKB=Q9BVK6	
GO:000703		Golgi organization
0	HUMAN   HGNC=6111   UniProtKB=Q13576, HUMAN   HGNC=679   UniProtKB=P52566, HUMAN   HGNC=21295   UniProtKB=Q8TE68, HUMAN   HGNC=678   UniProtKB=P52565	
GO:004836		Rac GTPase binding
5		calcium activated cation channel activity
GO:000522		alternative mRNA splicing, via spliceosome
7	HUMAN   HGNC=23787   UniProtKB=Q9P1W3	
GO:000038		regulation of mitotic sister chromatid segregation
0	HUMAN   HGNC=5046   UniProtKB=P52272, HUMAN   HGNC=5048   UniProtKB=Q00839	
GO:003304		
7	HUMAN   HGNC=5048   UniProtKB=Q00839	
GO:004288		amide transport
6	HUMAN   HGNC=9093   UniProtKB=P55058	
GO:003541		protein localization to synapse
8	HUMAN   HGNC=1117   UniProtKB=Q9UPA5, HUMAN   HGNC=13406   UniProtKB=Q9Y6V0	
GO:000008		G1/S transition of mitotic cell cycle
2	HUMAN   HGNC=20063   UniProtKB=Q86T82, HUMAN   HGNC=533   UniProtKB=P04083, HUMAN   HGNC=9568   UniProtKB=Q06323	
GO:003083		positive regulation of actin filament polymerization
8	HUMAN   HGNC=12652   UniProtKB=P50552	

GO:0030169	HUMAN HGNC=2367 UniProtKB=P02741,HUMAN HGNC=584 UniProtKB=P02743	low-density lipoprotein particle binding
GO:0045047	HUMAN HGNC=26212 UniProtKB=P61009	protein targeting to ER
GO:0045761	HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=20040 UniProtKB=Q01518,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=10608 UniProtKB=P47872,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=237 UniProtKB=O43306	regulation of adenylate cyclase activity
GO:0051345	HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=7326 UniProtKB=P20585,HUMAN HGNC=11317 UniProtKB=Q04837	positive regulation of hydrolase activity chondroitin sulfate proteoglycan biosynthetic process
GO:0050650	HUMAN HGNC=24293 UniProtKB=Q70JA7	
GO:0009152	HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=794 UniProtKB=P31939,HUMAN HGNC=5157 UniProtKB=P00492,HUMAN HGNC=469 UniProtKB=Q01433,HUMAN HGNC=291 UniProtKB=P30566,HUMAN HGNC=237 UniProtKB=O43306	purine ribonucleotide biosynthetic process
GO:0045182	HUMAN HGNC=3189 UniProtKB=P68104,HUMAN HGNC=3300 UniProtKB=P63241,HUMAN HGNC=3214 UniProtKB=P13639,HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=4621 UniProtKB=P15170,HUMAN HGNC=3200 UniProtKB=Q5VTE0,HUMAN HGNC=17970 UniProtKB=Q9BPZ3,HUMAN HGNC=12420 UniProtKB=P49411	translation regulator activity
GO:0015630	HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=11579 UniProtKB=O75347,HUMAN HGNC=7729 UniProtKB=Q15019	microtubule cytoskeleton
GO:0051258	HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	protein polymerization
GO:0008047	HUMAN HGNC=20635 UniProtKB=Q14997,HUMAN HGNC=9308 UniProtKB=Q15257,HUMAN HGNC=9568 UniProtKB=Q06323	enzyme activator activity
GO:0008104	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=1742 UniProtKB=P50851,HUMAN HGNC=16276 UniProtKB=Q9C035	protein localization
GO:0030544	HUMAN HGNC=10519 UniProtKB=Q9NZJ4,HUMAN HGNC=5270 UniProtKB=P25685	Hsp70 protein binding
GO:0050772	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317	positive regulation of axonogenesis
GO:0097159	HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=9725 UniProtKB=P06737	organic cyclic compound binding
GO:0009895	HUMAN HGNC=607 UniProtKB=P02654	negative regulation of catabolic process
GO:0047555	HUMAN HGNC=8784 UniProtKB=O76074	3',5'-cyclic-GMP phosphodiesterase activity
GO:0090559	HUMAN HGNC=14685 UniProtKB=Q9Y624	regulation of membrane permeability
GO:0070972	HUMAN HGNC=16695 UniProtKB=P51572	protein localization to endoplasmic reticulum
GO:0045899	HUMAN HGNC=9553 UniProtKB=P62333,HUMAN HGNC=9552 UniProtKB=P62195,HUMAN HGNC=9551 UniProtKB=P43686	positive regulation of RNA polymerase II transcription

		preinitiation complex assembly
GO:0030307	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317	positive regulation of cell growth
GO:0005682	HUMAN HGNC=20471 UniProtKB=O95777,HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=29513 UniProtKB=O60306,HUMAN HGNC=5048 UniProtKB=Q00839	U5 snRNP
GO:0009142	HUMAN HGNC=361 UniProtKB=P00568	nucleoside triphosphate biosynthetic process
GO:0005750	HUMAN HGNC=12582 UniProtKB=P14927,HUMAN HGNC=12590 UniProtKB=P07919	mitochondrial respiratory chain complex III
GO:0016758	HUMAN HGNC=24293 UniProtKB=Q70JA7,HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=9725 UniProtKB=P06737	transferase activity, transferring hexosyl groups
GO:0000339	HUMAN HGNC=13759 UniProtKB=Q7L576	RNA cap binding
GO:0070566	HUMAN HGNC=8087 UniProtKB=P29728	adenylyltransferase activity
PC00114	HUMAN HGNC=4684 UniProtKB=P33402,HUMAN HGNC=14237 UniProtKB=Q96NT3	guanylate cyclase
GO:0007156	HUMAN HGNC=19194 UniProtKB=Q96RW7,HUMAN HGNC=29557 UniProtKB=Q0ZGT2	homophilic cell adhesion via plasma membrane adhesion molecules
GO:1990720	HUMAN HGNC=8898 UniProtKB=P07205	C2 axonemal microtubule
GO:0032813	HUMAN HGNC=17712 UniProtKB=O15304,HUMAN HGNC=3157 UniProtKB=Q92838,HUMAN HGNC=6711 UniProtKB=Q06643	tumor necrosis factor receptor superfamily binding
GO:0002699	HUMAN HGNC=533 UniProtKB=P04083	positive regulation of immune effector process
GO:0031929	HUMAN HGNC=18423 UniProtKB=O75140,HUMAN HGNC=15606 UniProtKB=Q9UHA4	TOR signaling
GO:0097649	HUMAN HGNC=8898 UniProtKB=P07205	A axonemal microtubule
GO:0008283	HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=24588 UniProtKB=Q86XP6,HUMAN HGNC=19312 UniProtKB=Q56P03,HUMAN HGNC=12841 UniProtKB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=7002 UniProtKB=A6NDR6,HUMAN HGNC=6735 UniProtKB=P07948,HUMAN HGNC=11766 UniProtKB=P01137	cell population proliferation
GO:0030295	HUMAN HGNC=10372 UniProtKB=P05386	protein kinase activator activity
GO:0065002	HUMAN HGNC=5261 UniProtKB=P10809	intracellular protein transmembrane transport
GO:0032509	HUMAN HGNC=25153 UniProtKB=Q96EY5	endosome transport via multivesicular body sorting pathway
GO:0008608	HUMAN HGNC=24054 UniProtKB=Q8NG31	attachment of spindle microtubules to kinetochore
GO:0005769	HUMAN HGNC=9785 UniProtKB=P51148,HUMAN HGNC=9784 UniProtKB=P61020,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11740 UniProtKB=P02787,HUMAN HGNC=18263 UniProtKB=Q9UL25	early endosome

PC00057	HUMAN HGNC=8710 UniProtKB=Q9Y5G1,HUMAN HGNC=15902 UniProtKB=Q8IXH8,HUMAN HGNC=3230 UniProtKB=Q9NYQ7,HUMAN HGNC=3048 UniProtKB=Q02413,HUMAN HGNC=14674 UniProtKB=Q96QU1,HUMAN HGNC=14265 UniProtKB=Q86UP0,HUMAN HGNC=3231 UniProtKB=Q9HCU4,HUMAN HGNC=23112 UniProtKB=Q8TDW7	cadherin phosphotransferase activity, phosphate group as acceptor
GO:0016776	HUMAN HGNC=29035 UniProtKB=O43314,HUMAN HGNC=9141 UniProtKB=Q15126 HUMAN HGNC=15720 UniProtKB=Q13033,HUMAN HGNC=13206 UniProtKB=O60296,HUMAN HGNC=11424 UniProtKB=O43815,HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=11119 UniProtKB=Q99835	dendrite
GO:0000408	HUMAN HGNC=20356 UniProtKB=Q9BXV9	EKC/KEOPS complex
GO:0036297	HUMAN HGNC=23845 UniProtKB=Q8IY92 HUMAN HGNC=8504 UniProtKB=Q969R2,HUMAN HGNC=10996 UniProtKB=O14975,HUMAN HGNC=14637 UniProtKB=Q86UK0,HUMAN HGNC=603 UniProtKB=P04114	interstrand cross-link repair
GO:0005319		lipid transporter activity
GO:0032508	HUMAN HGNC=533 UniProtKB=P04083	DNA duplex unwinding
GO:0071214	HUMAN HGNC=28771 UniProtKB=Q9BVC6 HUMAN HGNC=15750 UniProtKB=P60981,HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=12754 UniProtKB=O75083,HUMAN HGNC=1874 UniProtKB=P23528,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=1488 UniProtKB=P52907,HUMAN HGNC=3750 UniProtKB=Q13045,HUMAN HGNC=1491 UniProtKB=P47756,HUMAN HGNC=15667 UniProtKB=P58546	cellular response to abiotic stimulus
GO:0030042		actin filament depolymerization
GO:0016595	HUMAN HGNC=16768 UniProtKB=O60391 HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=12644 UniProtKB=Q15836,HUMAN HGNC=12647 UniProtKB=Q9BV40,HUMAN HGNC=9788 UniProtKB=P51149	glutamate binding
GO:0006906	HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=10632 UniProtKB=P13501	vesicle fusion
GO:0070374		positive regulation of ERK1 and ERK2 cascade
GO:1901362	HUMAN HGNC=2689 UniProtKB=P09172	organic cyclic compound biosynthetic process
GO:0034394	HUMAN HGNC=17643 UniProtKB=Q9HD26	protein localization to cell surface
GO:0048771	HUMAN HGNC=533 UniProtKB=P04083	tissue remodeling
GO:0007094	HUMAN HGNC=12401 UniProtKB=P33981	mitotic spindle assembly checkpoint
GO:0006629	HUMAN HGNC=612 UniProtKB=P05090	lipid metabolic process
GO:0017048	HUMAN HGNC=29327 UniProtKB=Q5VZ46	Rho GTPase binding

GO:1901605	HUMAN HGNC=4433 UniProtKB=P00505,HUMAN HGNC=4335 UniProtKB=P00367,HUMAN HGNC=746 UniProtKB=P04424,HUMAN HGNC=12388 UniProtKB=Q16762,HUMAN HGNC=1424 UniProtKB=P27708,HUMAN HGNC=7223 UniProtKB=P25325	alpha-amino acid metabolic process
GO:0009260	HUMAN HGNC=2520 UniProtKB=Q9NRF8	ribonucleotide biosynthetic process
GO:0031593	HUMAN HGNC=13919 UniProtKB=P46379,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=9813 UniProtKB=P54727	polyubiquitin modification-dependent protein binding
GO:0032543	HUMAN HGNC=1243 UniProtKB=Q07021	mitochondrial translation
GO:0065004	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	protein-DNA complex assembly
GO:0032088	HUMAN HGNC=27146 UniProtKB=Q5TA31	negative regulation of NF-kappaB transcription factor activity
GO:0030031	HUMAN HGNC=1736 UniProtKB=P60953	cell projection assembly
GO:0044743	HUMAN HGNC=5261 UniProtKB=P10809	protein transmembrane import into intracellular organelle
GO:0006364	HUMAN HGNC=25758 UniProtKB=Q8TED0,HUMAN HGNC=23818 UniProtKB=Q14684	rRNA processing
GO:0120036	HUMAN HGNC=12690 UniProtKB=P09327	plasma membrane bounded cell projection organization
GO:0031210	HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=9093 UniProtKB=P55058	phosphatidylcholine binding
GO:0016298	HUMAN HGNC=17038 UniProtKB=Q99685	lipase activity
GO:0097190	HUMAN HGNC=17865 UniProtKB=Q96A26,HUMAN HGNC=544 UniProtKB=P08133	apoptotic signaling pathway
GO:0051051	HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=16937 UniProtKB=O75915	negative regulation of transport
GO:0030687	HUMAN HGNC=23818 UniProtKB=Q14684	preribosome, large subunit precursor
GO:0060261	HUMAN HGNC=19985 UniProtKB=P53999	positive regulation of transcription initiation from RNA polymerase II promoter
GO:0019200	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=4922 UniProtKB=P19367,HUMAN HGNC=8878 UniProtKB=Q01813	carbohydrate kinase activity
GO:2001235	HUMAN HGNC=17865 UniProtKB=Q96A26	positive regulation of apoptotic signaling pathway
GO:0032101	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=3537 UniProtKB=P25116	regulation of response to external stimulus
GO:0019438	HUMAN HGNC=2689 UniProtKB=P09172	aromatic compound biosynthetic process
PC00122	HUMAN HGNC=2689 UniProtKB=P09172	hydroxylase
GO:0023057	HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=9857 UniProtKB=P61224	negative regulation of signaling
GO:0008021	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=11442 UniProtKB=O15400,HU	synaptic vesicle

	MAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=9778 UniProtKB=P20337	
PC00135	HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=12009 UniProtKB=P60174,HUMAN HGNC=11609 UniProtKB=P24557	isomerase
GO:0007059	HUMAN HGNC=9112 UniProtKB=Q6P1K2	chromosome segregation
GO:0031965	HUMAN HGNC=17103 UniProtKB=Q9Y5L0	nuclear membrane
GO:0031397	HUMAN HGNC=23077 UniProtKB=Q96FW1	negative regulation of protein ubiquitination regulation of G1/S
GO:2000045	HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=9568 UniProtKB=Q06323	transition of mitotic cell cycle
GO:0070936	HUMAN HGNC=463 UniProtKB=Q9UKV5,HUMAN HGNC=12475 UniProtKB=P62837	protein K48-linked ubiquitination
GO:0015301	HUMAN HGNC=10991 UniProtKB=P05141,HUMAN HGNC=10992 UniProtKB=P12236,HUMAN HGNC=11027 UniProtKB=P02730	anion:anion antiporter activity
	HUMAN HGNC=9554 UniProtKB=Q99460,HUMAN HGNC=9553 UniProtKB=P62333,HUMAN HGNC=9552 UniProtKB=P62195,HUMAN HGNC=9551 UniProtKB=P43686,HUMAN HGNC=9559 UniProtKB=Q13200	proteasome regulatory particle, base subcomplex
GO:0008540	HUMAN HGNC=11056 UniProtKB=P48067,HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709,HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	sodium ion transmembrane transport
GO:0035725		
GO:0099572	HUMAN HGNC=2905 UniProtKB=O14490	postsynaptic specialization
		positive regulation of
GO:2001238	HUMAN HGNC=1050 UniProtKB=P55957	extrinsic apoptotic signaling pathway
	HUMAN HGNC=15902 UniProtKB=Q8IXH8,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=14265 UniProtKB=Q86UP0,HUMAN HGNC=6091 UniProtKB=P06213	multicellular organism development
GO:0007275	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=17955 UniProtKB=O43504,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=2528 UniProtKB=P53634,HUMAN HGNC=913 UniProtKB=P20160,HUMAN HGNC=9788 UniProtKB=P51149	
GO:0005764		lysosome
GO:0048709	HUMAN HGNC=9086 UniProtKB=P60201	oligodendrocyte differentiation
GO:0051642	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=14906 UniProtKB=Q8N4C6	centrosome localization
	HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=7967 UniProtKB=Q96RI1	C4 zinc finger nuclear receptor
PC00169		
GO:0050803	HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	regulation of synapse structure or activity
	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=3540 UniProtKB=Q96RI0	positive regulation of cytosolic calcium ion concentration
GO:0007204		
GO:0017069	HUMAN HGNC=17259 UniProtKB=Q9Y4Z0,HUMAN HGNC=5048 UniProtKB=Q00839	snRNA binding
	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=29327 UniProtKB=Q5VZ46,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=5048 UniProtKB=Q00839	regulation of cellular localization
GO:0060341		

	HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=6407 UniProtKB=P01116,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=9840 UniProtKB=P11234,HUMAN HGNC=9381 UniProtKB=P22694,HUMAN HGNC=678 UniProtKB=P52565,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=669 UniProtKB=P08134,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=10447 UniProtKB=P10301,HUMAN HGNC=11231 UniProtKB=Q8WXF7,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=655 UniProtKB=P18085,HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=10011 UniProtKB=Q15382,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=2153 UniProtKB=Q9NQW8,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=4234 UniProtKB=P55040	carbohydrate derivative binding
GO:009736 7		
GO:003067 7	HUMAN HGNC=26022 UniProtKB=Q7L0Y3	ribonuclease P complex
PC00021	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=3540 UniProtKB=Q96RI0,HUMAN HGNC=23077 UniProtKB=Q96FW1,HUMAN HGNC=2528 UniProtKB=P53634,HUMAN HGNC=1476 UniProtKB=P07384,HUMAN HGNC=20063 UniProtKB=Q86T82,HUMAN HGNC=12628 UniProtKB=P45974,HUMAN HGNC=735 UniProtKB=Q13510,HUMAN HGNC=12612 UniProtKB=P54578,HUMAN HGNC=25035 UniProtKB=Q5VVQ6,HUMAN HGNC=4248 UniProtKB=Q92820,HUMAN HGNC=9472 UniProtKB=Q99538,HUMAN HGNC=13485 UniProtKB=Q9BXU7,HUMAN HGNC=20076 UniProtKB=Q96K76	G-protein coupled receptor
PC00081 GO:001978 3	HUMAN HGNC=23077 UniProtKB=Q96FW1	cysteine protease
GO:001676 5	HUMAN HGNC=4635 UniProtKB=P21266,HUMAN HGNC=4634 UniProtKB=P28161,HUMAN HGNC=4632 UniProtKB=P09488,HUMAN HGNC=4638 UniProtKB=P09211	ubiquitin-like protein-specific protease activity
GO:000077 6	HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=5048 UniProtKB=Q00839	transferase activity, transferring alkyl or aryl (other than methyl) groups
GO:003301 7	HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=812 UniProtKB=P16615	kinetochore
	HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=9545 UniProtKB=P28062,HUMAN HGNC=316 UniProtKB=P43652,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=17905 UniProtKB=Q9Y613,HUMAN HGNC=22125 UniProtKB=O95522,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=18585 UniProtKB=Q96DH6,HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=6407 UniProtKB=P01116,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=9840 UniProtKB=P11234,HUMAN HGNC=9381 UniProtKB=P22694,HUMAN HGNC=678 UniProtKB=P52565,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=669 UniProtKB=P08134,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=10447 UniProtKB=P10301,HUMAN HGNC=11231 UniProtKB=Q8WXF7,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=655 UniProtKB=P18085,HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=10011 UniProtKB=Q15382,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=2153 UniProtKB=Q9NQW8,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=4234 UniProtKB=P55040	sarcoplasmic reticulum membrane
GO:000573 7		cytoplasm

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GO:005511 4	HUMAN HGNC=12492 UniProtKB=P61088,HUMAN HGNC=12494  UniProtKB=Q13404	oxidation-reduction process
GO:000630 1		postreplication repair
GO:005123 5	HUMAN HGNC=17643 UniProtKB=Q9HD26	maintenance of location
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GO:005080 4	HUMAN HGNC=2905 UniProtKB=O14490 HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=12652  UniProtKB=P50552,HUMAN HGNC=18271 UniProtKB=Q8N8S7,HU MAN HGNC=11085 UniProtKB=O75093,HUMAN HGNC=19296 U niProtKB=Q9UF33,HUMAN HGNC=29557 UniProtKB=Q0ZGT2,HU MAN HGNC=11119 UniProtKB=Q99835	modulation of chemical synaptic transmission
GO:000741 1	HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=14010  UniProtKB=Q8IW19,HUMAN HGNC=11590 UniProtKB=Q16650	axon guidance Rel homology transcription factor
PC00252 GO:000675 3	HUMAN HGNC=8052 UniProtKB=Q9UKK9 HUMAN HGNC=706 UniProtKB=O15145,HUMAN HGNC=12733 U niProtKB=Q9Y6W5,HUMAN HGNC=705 UniProtKB=O15144,HUMA N HGNC=169 UniProtKB=P61160,HUMAN HGNC=704 UniProtKB= O15143,HUMAN HGNC=4374 UniProtKB=O60234,HUMAN HGNC =170 UniProtKB=P61158,HUMAN HGNC=708 UniProtKB=O15511 HUMAN HGNC=4750 UniProtKB=Q99879,HUMAN HGNC=32060  UniProtKB=Q5TEC6,HUMAN HGNC=20508 UniProtKB=Q8IUE6,HU MAN HGNC=4746 UniProtKB=P62807,HUMAN HGNC=20514 Uni ProtKB=Q8N257,HUMAN HGNC=24700 UniProtKB=Q5QNW6,HU MAN HGNC=4719 UniProtKB=P16401,HUMAN HGNC=4747 UniPr	nucleoside phosphate metabolic process
GO:003431 4		Arp2/3 complex-mediated actin nucleation
PC00118		histone

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GO:0015085	HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=812 UniProtKB=P16615	calcium ion transmembrane transporter activity
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GO:0043565	HUMAN HGNC=21605 UniProtKB=Q14151	sequence-specific DNA binding
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GO:0097539	HUMAN HGNC=14906 UniProtKB=Q8N4C6	ciliary transition fiber
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PC00140	HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=9388 UniProtKB=P10644	kinase modulator
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GO:0051247	HUMAN HGNC=6517 UniProtKB=P18428	positive regulation of protein metabolic process
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GO:0006493	HUMAN HGNC=8127 UniProtKB=O15294	regulation of RNA metabolic process
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GO:0006119	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=2288 UniProtKB=P14406,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=850 UniProtKB=P48047	oxidative phosphorylation
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GO:0006325	HUMAN HGNC=5048 UniProtKB=Q00839	chromatin organization
GO:0006486	HUMAN HGNC=10869 UniProtKB=Q92185	protein glycosylation

GO:0043168	<p>HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=1834 UniProtKB=P29401,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=6407 UniProtKB=P01116,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=4624 UniProtKB=P48637,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=9840 UniProtKB=P11234,HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=9381 UniProtKB=P22694,HUMAN HGNC=678 UniProtKB=P52565,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=669 UniProtKB=P08134,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=10447 UniProtKB=P10301,HUMAN HGNC=11231 UniProtKB=Q8WXF7,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=9725 UniProtKB=P06737,HUMAN HGNC=655 UniProtKB=P18085,HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=10011 UniProtKB=Q15382,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=2153 UniProtKB=Q9NQW8,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=4234 UniProtKB=P55040</p> <p>HUMAN HGNC=11957 UniProtKB=Q93074,HUMAN HGNC=23708 UniProtKB=Q6ZR52,HUMAN HGNC=15935 UniProtKB=Q9H4I2,HUMAN HGNC=29084 UniProtKB=O75123,HUMAN HGNC=26427 UniProtKB=Q96ND8,HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1,HUMAN HGNC=3815 UniProtKB=Q12951,HUMAN HGNC=11590 UniProtKB=Q16650,HUMAN HGNC=10475 UniProtKB=Q9Y230,HUMAN HGNC=33108 UniProtKB=Q6NX45,HUMAN HGNC=14008 UniProtKB=Q9BW11,HUMAN HGNC=13061 UniProtKB=Q14587,HUMAN HGNC=14010 UniProtKB=Q8IWI9,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=21605 UniProtKB=Q14151,HUMAN HGNC=6702 UniProtKB=Q32MZ4,HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=18807 UniProtKB=O94983,HUMAN HGNC=17801 UniProtKB=Q8NHY6,HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=31797 UniProtKB=P0C7V6,HUMAN HGNC=9459 UniProtKB=Q92786,HUMAN HGNC=13109 UniProtKB=P17038,HUMAN HGNC=9885 UniProtKB=P29374,HUMAN HGNC=5044 UniProtKB=P61978</p> <p>HUMAN HGNC=1623 UniProtKB=P50990,HUMAN HGNC=11655 UniProtKB=P17987,HUMAN HGNC=1618 UniProtKB=P48643,HUMAN HGNC=1620 UniProtKB=P40227,HUMAN HGNC=32153 UniProtKB=A6NM43,HUMAN HGNC=1615 UniProtKB=P78371</p> <p>HUMAN HGNC=11756 UniProtKB=Q03403,HUMAN HGNC=11828 UniProtKB=Q9UDY2</p> <p>HUMAN HGNC=23151 UniProtKB=Q86UX7</p>	<p>anion binding</p> <p>regulation of transcription by RNA polymerase II</p> <p>chaperonin-containing T-complex</p> <p>tissue homeostasis</p> <p>cell-substrate junction</p>
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PC00089	HUMAN HGNC=7097 UniProtKB=P14174	decarboxylase
GO:190241		protein localization to cell
4	HUMAN HGNC=11828 UniProtKB=Q9UDY2	junction
GO:000721		dopamine receptor
2	HUMAN HGNC=4390 UniProtKB=P50148	signaling pathway
GO:007137		cellular response to peptide
5	HUMAN HGNC=11364 UniProtKB=P40763	hormone stimulus
GO:004348	HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=17150 UniProtKB=Q9Y2V2	regulation of mRNA stability
8		central nervous system
GO:002195		neuron differentiation
3	HUMAN HGNC=11590 UniProtKB=Q16650	negative regulation of signal
GO:000996	HUMAN HGNC=711 UniProtKB=P49407,HUMAN HGNC=29884 UniProtKB=Q8TF42,HUMAN HGNC=7178 UniProtKB=Q13201	transduction
8	HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=17168 UniProtKB=Q9H2M9,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=678 UniProtKB=P52565	G-protein modulator
PC00022		
GO:000470		MAP kinase kinase activity
8	HUMAN HGNC=6840 UniProtKB=Q02750	
GO:000581	HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=2092 UniProtKB=Q00610	spindle
9		
GO:003033		regulation of cell migration
4	HUMAN HGNC=11881 UniProtKB=P62328	voltage-gated calcium
GO:000524	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=1393 UniProtKB=O60840	channel activity
5	HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=9406 UniProtKB=Q16513,HUMAN HGNC=12347 UniProtKB=Q9Y4A5,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=30765 UniProtKB=Q9UKE5,HUMAN HGNC=9395 UniProtKB=P05771,HUMAN HGNC=24224 UniProtKB=Q9NYV4,HUMAN HGNC=6840 UniProtKB=Q02750,HUMAN HGNC=18994 UniProtKB=Q8TDC3,HUMAN HGNC=6876 UniProtKB=Q16539,HUMAN HGNC=1459 UniProtKB=Q14012,HUMAN HGNC=11408 UniProtKB=Q13043,HUMAN HGNC=30410 UniProtKB=Q9BXA6,HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=6871 UniProtKB=P28482,HUMAN HGNC=19825 UniProtKB=Q6S A08,HUMAN HGNC=9381 UniProtKB=P22694,HUMAN HGNC=6040 UniProtKB=Q13418,HUMAN HGNC=19286 UniProtKB=Q6P3W7,HUMAN HGNC=1745 UniProtKB=O00311,HUMAN HGNC=1738 UniProtKB=Q9Y5S2	non-receptor serine/threonine protein kinase
PC00167		
PC00177	HUMAN HGNC=9604 UniProtKB=P23219	oxygenase
GO:001900		
5	HUMAN HGNC=2552 UniProtKB=Q13617	SCF ubiquitin ligase complex
GO:000669		prostaglandin metabolic
3	HUMAN HGNC=533 UniProtKB=P04083	process
	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=8905 UniProtKB=P36871,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=8878 UniProtKB=Q01813	intramolecular transferase
GO:001686		activity
6	HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=14669 UniProtKB=P81605,HUMAN HGNC=7539 UniProtKB=Q9NR99	extracellular region
GO:000557	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9253 UniProtKB=P62937,HUMAN HGNC=570 UniProtKB=P53677,HUMAN HGNC=575 UniProtKB=Q9Y2V2	intracellular membrane- bounded organelle
GO:004323		
1		

	B=Q9Y587,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=14637 UniProtKB=Q86UK0,HUMAN HGNC=13667 UniProtKB=Q9BXS5,HUMAN HGNC=9255 UniProtKB=P23284	
GO:003085		regulation of epithelial cell differentiation
6	HUMAN HGNC=243 UniProtKB=P35611	
GO:000470	HUMAN HGNC=6871 UniProtKB=P28482,HUMAN HGNC=6840 UniProtKB=Q02750,HUMAN HGNC=6876 UniProtKB=Q16539	MAP kinase activity
7		
GO:000590	HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=4381 UniProtKB=Q14344	microvillus
2		protein transport along microtubule
GO:009884		
0	HUMAN HGNC=6325 UniProtKB=O60282	
	HUMAN HGNC=4045 UniProtKB=O75084,HUMAN HGNC=3616 UniProtKB=P12318,HUMAN HGNC=8823 UniProtKB=P16284,HUMAN HGNC=11119 UniProtKB=Q99835	transmembrane signaling receptor activity
GO:000488		
8		
GO:005120	HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=29884 UniProtKB=Q8TF42	sequestering of calcium ion
8		
	HUMAN HGNC=28883 UniProtKB=Q9H2U2,HUMAN HGNC=8052 UniProtKB=Q9UKK9	pyrophosphatase
PC00196		nuclear-transcribed mRNA catabolic process, nonsense-mediated decay
GO:000018	HUMAN HGNC=10898 UniProtKB=Q15477,HUMAN HGNC=17196 UniProtKB=Q8NG08	
4		
	HUMAN HGNC=23077 UniProtKB=Q96FW1,HUMAN HGNC=15912 UniProtKB=Q9UNZ2,HUMAN HGNC=16476 UniProtKB=Q9H0E2,HUMAN HGNC=24103 UniProtKB=Q9H1I8,HUMAN HGNC=9813 UniProtKB=P54727	ubiquitin binding
GO:004313		cation transmembrane transport
0		
GO:009865	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	cellular amino acid catabolic process
5		regulation of actin polymerization or depolymerization
GO:000906	HUMAN HGNC=4433 UniProtKB=P00505,HUMAN HGNC=4335 UniProtKB=P00367	mitochondrial protein complex
3		
GO:000806		
4	HUMAN HGNC=12754 UniProtKB=O75083	
GO:009879	HUMAN HGNC=4801 UniProtKB=P40939,HUMAN HGNC=26022 UniProtKB=Q7L0Y3	
8		
	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=12754 UniProtKB=O75083,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=18304 UniProtKB=Q14019	cortical actin cytoskeleton
GO:003086		
4	HUMAN HGNC=15713 UniProtKB=Q9UJX4,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=14452 UniProtKB=Q9NYG5	positive regulation of mitotic nuclear division
GO:004584		
0	HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776	chemokine
PC00074		immune response-activating cell surface receptor signaling pathway
GO:000242		
9	HUMAN HGNC=2444 UniProtKB=P41240	
GO:003013		
7	HUMAN HGNC=16998 UniProtKB=P49755	COPI-coated vesicle
GO:001003	HUMAN HGNC=2315 UniProtKB=Q96FN4,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2	response to metal ion
8		
GO:004690	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=850 UniProtKB=P48047	intracellular transport
7		
	HUMAN HGNC=6401 UniProtKB=Q92973,HUMAN HGNC=2431 UniProtKB=P55060,HUMAN HGNC=8062 UniProtKB=P49790,HUMAN HGNC=11512 UniProtKB=Q9H2B2	transporter
PC00227		

	N   HGNC=26801   UniProtKB=Q8N8Q8, HUMAN   HGNC=17103   UniProtKB=Q9Y5L0, HUMAN   HGNC=9852   UniProtKB=O95373, HUMAN   HGNC=30052   UniProtKB=Q8TEM1, HUMAN   HGNC=6396   UniProtKB=O00505, HUMAN   HGNC=568   UniProtKB=O14617, HUMAN   HGNC=6400   UniProtKB=Q14974	
GO:0009790	HUMAN   HGNC=7002   UniProtKB=A6NDR6, HUMAN   HGNC=30377   UniProtKB=Q14160	embryo development
GO:0031331	HUMAN   HGNC=29190   UniProtKB=Q9UPQ9 HUMAN   HGNC=6156   UniProtKB=P05106, HUMAN   HGNC=19100   UniProtKB=Q5VWK5, HUMAN   HGNC=6153   UniProtKB=P05556, HUMAN   HGNC=4387   UniProtKB=P08754, HUMAN   HGNC=20731   UniProtKB=Q9HAV0, HUMAN   HGNC=3338   UniProtKB=Q14247, HUMAN   HGNC=15902   UniProtKB=Q8IXH8, HUMAN   HGNC=14265   UniProtKB=Q86UP0, HUMAN   HGNC=11168   UniProtKB=Q13884, HUMAN   HGNC=19747   UniProtKB=Q86UK5, HUMAN   HGNC=806   UniProtKB=P54709, HUMAN   HGNC=10594   UniProtKB=Q01118, HUMAN   HGNC=4393   UniProtKB=P11488, HUMAN   HGNC=3419   UniProtKB=P42566, HUMAN   HGNC=10582   UniProtKB=Q9Y5Y9, HUMAN   HGNC=561   UniProtKB=O95782, HUMAN   HGNC=6091   UniProtKB=P06213, HUMAN   HGNC=4395   UniProtKB=P19086, HUMAN   HGNC=3757   UniProtKB=O75955, HUMAN   HGNC=4384   UniProtKB=P63096, HUMAN   HGNC=4398   UniProtKB=P62879, HUMAN   HGNC=24634   UniProtKB=Q9UBC2, HUMAN   HGNC=4385   UniProtKB=P04899, HUMAN   HGNC=4390   UniProtKB=P50148, HUMAN   HGNC=4381   UniProtKB=Q14344, HUMAN   HGNC=6207   UniProtKB=P14923, HUMAN   HGNC=4396   UniProtKB=P62873	positive regulation of cellular catabolic process
GO:0098797	HUMAN   HGNC=2367   UniProtKB=P02741, HUMAN   HGNC=584   UniProtKB=P02743	plasma membrane protein complex
GO:0001848	HUMAN   HGNC=14685   UniProtKB=Q9Y624, HUMAN   HGNC=2047   UniProtKB=O00501, HUMAN   HGNC=11828   UniProtKB=Q9UDY2	complement binding
GO:0005923	HUMAN   HGNC=30244   UniProtKB=Q6P1A2	bicellular tight junction
GO:0046474	HUMAN   HGNC=18587   UniProtKB=O94901, HUMAN   HGNC=2431   UniProtKB=P55060, HUMAN   HGNC=9852   UniProtKB=O95373	glycerophospholipid biosynthetic process
GO:0005635	HUMAN   HGNC=29884   UniProtKB=Q8TF42, HUMAN   HGNC=11283   UniProtKB=P12931	nuclear envelope
GO:0030316	HUMAN   HGNC=2717   UniProtKB=Q16531	osteoclast differentiation
GO:0003684	HUMAN   HGNC=13531   UniProtKB=Q9Y2Q0	damaged DNA binding
GO:0140326	HUMAN   HGNC=7618   UniProtKB=O14974 HUMAN   HGNC=9295   UniProtKB=Q15435, HUMAN   HGNC=1173   UniProtKB=Q5H9R7, HUMAN   HGNC=7618   UniProtKB=O14974, HUMAN   HGNC=9302   UniProtKB=P30153, HUMAN   HGNC=14871   UniProtKB=Q96A00, HUMAN   HGNC=14952   UniProtKB=Q8TAE6	ATPase-coupled intramembrane lipid transporter activity
GO:0019208	HUMAN   HGNC=3153   UniProtKB=Q16610 HUMAN   HGNC=9855   UniProtKB=P62834, HUMAN   HGNC=7641   UniProtKB=P54920, HUMAN   HGNC=11510   UniProtKB=Q8N9I0, HUMAN   HGNC=11131   UniProtKB=O00161, HUMAN   HGNC=9857   UniProtKB=P61224, HUMAN   HGNC=8515   UniProtKB=Q9HC10	phosphatase regulator activity
PC00184		phosphatase modulator
GO:0030278		regulation of ossification
GO:0016079		synaptic vesicle exocytosis

GO:0044282	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=4116 UniProtKB=Q14376,HUMAN HGNC=24552 UniProtKB=Q3LXA3,HUMAN HGNC=12009 UniProtKB=P60174,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=6050 UniProtKB=P29218,HUMAN HGNC=613 UniProtKB=P02649,HUMAN HGNC=255 UniProtKB=P28332	small molecule catabolic process
GO:0009057	HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=25153 UniProtKB=Q96EY5,HUMAN HGNC=9725 UniProtKB=P06737	macromolecule catabolic process
GO:0065003	HUMAN HGNC=23151 UniProtKB=Q86UX7,HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=30688 UniProtKB=Q86VP6,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=11231 UniProtKB=Q8WXF7,HUMAN HGNC=11343 UniProtKB=P50502	protein-containing complex assembly
GO:0006639	HUMAN HGNC=2850 UniProtKB=Q9Y6T7	acylglycerol metabolic process
GO:0061041	HUMAN HGNC=11491 UniProtKB=P43405	regulation of wound healing
GO:0043086	HUMAN HGNC=237 UniProtKB=O43306	negative regulation of catalytic activity
GO:0050852	HUMAN HGNC=6171 UniProtKB=Q08881,HUMAN HGNC=4036 UniProtKB=O15117,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=16961 UniProtKB=Q15762	T cell receptor signaling pathway
GO:0042063	HUMAN HGNC=533 UniProtKB=P04083	gliogenesis
GO:0045765	HUMAN HGNC=7178 UniProtKB=Q13201	regulation of angiogenesis
GO:0016575	HUMAN HGNC=9349 UniProtKB=Q9NQX1	histone deacetylation
PC00216	HUMAN HGNC=4432 UniProtKB=P17174,HUMAN HGNC=4242 UniProtKB=O94808,HUMAN HGNC=4433 UniProtKB=P00505	transaminase
GO:0030479	HUMAN HGNC=15750 UniProtKB=P60981,HUMAN HGNC=1874 UniProtKB=P23528,HUMAN HGNC=169 UniProtKB=P61160,HUMAN HGNC=1488 UniProtKB=P52907,HUMAN HGNC=4374 UniProtKB=O60234,HUMAN HGNC=170 UniProtKB=P61158	actin cortical patch
GO:0016070	HUMAN HGNC=8648 UniProtKB=Q15366	RNA metabolic process
GO:0051962	HUMAN HGNC=2479 UniProtKB=O76096	positive regulation of nervous system development
GO:0005774	HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=851 UniProtKB=P38606	vacuolar membrane
GO:0005544	HUMAN HGNC=2315 UniProtKB=Q96FN4,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=11512 UniProtKB=Q9H2B2	calcium-dependent phospholipid binding
GO:0036064	HUMAN HGNC=30391 UniProtKB=Q9UG01,HUMAN HGNC=26555 UniProtKB=Q3SY00,HUMAN HGNC=20908 UniProtKB=Q86YF9	ciliary basal body
GO:0030199	HUMAN HGNC=3011 UniProtKB=Q07507,HUMAN HGNC=2209 UniProtKB=P20908,HUMAN HGNC=1546 UniProtKB=P50454	collagen fibril organization
GO:0072659	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=4036 UniProtKB=O15117,HUMAN HGNC=30032 UniProtKB=Q6VY07,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN	protein localization to plasma membrane

GO:0000502	HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11075 UniProtKB=O14745,HUMAN HGNC=492 UniProtKB=P16157 HUMAN HGNC=9539 UniProtKB=P49721,HUMAN HGNC=9545 UniProtKB=P28062,HUMAN HGNC=9540 UniProtKB=P49720,HUMAN HGNC=9565 UniProtKB=P51665,HUMAN HGNC=9537 UniProtKB=P20618 HUMAN HGNC=992 UniProtKB=Q07817,HUMAN HGNC=12669 UniProtKB=P21796,HUMAN HGNC=12674 UniProtKB=Q9Y277,HUMAN HGNC=12672 UniProtKB=P45880	proteasome complex
GO:0005741		mitochondrial outer membrane
GO:0034204	HUMAN HGNC=30220 UniProtKB=Q96AA3	lipid translocation
GO:0046456	HUMAN HGNC=533 UniProtKB=P04083 HUMAN HGNC=2949 UniProtKB=Q8TD57,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=26555 UniProtKB=Q3SY00,HUMAN HGNC=12733 UniProtKB=Q9Y6W5,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=11320 UniProtKB=Q8IZP0,HUMAN HGNC=492 UniProtKB=P16157,HUMAN HGNC=14313 UniProtKB=Q8WYA0,HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=14906 UniProtKB=Q8N4C6,HUMAN HGNC=29557 UniProtKB=Q0ZGT2,HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=11138 UniProtKB=P37840,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9,HUMAN HGNC=11512 UniProtKB=Q9H2B2,HUMAN HGNC=6091 UniProtKB=P06213,HUMAN HGNC=29262 UniProtKB=Q9P2H3,HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=13206 UniProtKB=O60296,HUMAN HGNC=11424 UniProtKB=O43815,HUMAN HGNC=199 UniProtKB=O43506,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=6510 UniProtKB=P16949,HUMAN HGNC=13406 UniProtKB=Q9Y6V0,HUMAN HGNC=11119 UniProtKB=Q99835,HUMAN HGNC=17060 UniProtKB=Q92845,HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=30391 UniProtKB=Q9UG01,HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=29943 UniProtKB=Q9NT68,HUMAN HGNC=15720 UniProtKB=Q13033,HUMAN HGNC=20908 UniProtKB=Q86YF9,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=7590 UniProtKB=Q15746,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=26664 UniProtKB=Q8N841	icosanoid biosynthetic process
GO:0098590		plasma membrane region
GO:0017119	HUMAN HGNC=18621 UniProtKB=Q9Y2V7	Golgi transport complex
GO:0008219	HUMAN HGNC=5141 UniProtKB=P00738,HUMAN HGNC=5156 UniProtKB=P00739	cell death
GO:0015101	HUMAN HGNC=17292 UniProtKB=Q8IWA5	organic cation
GO:0000054	HUMAN HGNC=9846 UniProtKB=P62826,HUMAN HGNC=7910 UniProtKB=P06748	transmembrane transporter activity
GO:0043409	HUMAN HGNC=8630 UniProtKB=P30086	ribosomal subunit export from nucleus
GO:0048608	HUMAN HGNC=533 UniProtKB=P04083	negative regulation of MAPK cascade
		reproductive structure development

GO:009743	HUMAN HGNC=3602 UniProtKB=Q9UBX5,HUMAN HGNC=15855	supramolecular fiber
5	UniProtKB=Q9NPY3	organization
GO:000014	HUMAN HGNC=20120 UniProtKB=Q17RC7,HUMAN HGNC=30389	
5	UniProtKB=Q96A65	exocyst
GO:000806		
6	HUMAN HGNC=16768 UniProtKB=O60391	glutamate receptor activity
	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=56	
	45 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0	
	A0C4DH31,HUMAN HGNC=11092 UniProtKB=P03973,HUMAN HG	
	NC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P0	
	1880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HG	
	NC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=12841 UniProt	
	KB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN H	
	GNC=6735 UniProtKB=P07948,HUMAN HGNC=27146 UniProtKB=	
	Q5TA31,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGN	
	C=4037 UniProtKB=P06241,HUMAN HGNC=1472 UniProtKB=P49	
	913,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=56	
	47 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0	
	A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HG	
	NC=2367 UniProtKB=P02741,HUMAN HGNC=5606 UniProtKB=P0	
	1763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=55	
	28 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,H	
	UMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=555	
	1 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P018	
	59,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=E	
	NSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_	
	HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01	
	825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN HGN	
	C=7183 UniProtKB=P41218,HUMAN Gene=HV108_HUMAN UniPr	
	otKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUM	
	AN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProt	
	KB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMA	
	N HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 Uni	
	ProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HU	
	MAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594	
	UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH4	
	1,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=	
	5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P	
	01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HG	
	NC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtK	
	B=P0DP02,HUMAN HGNC=6517 UniProtKB=P18428,HUMAN HGN	
	C=10046 UniProtKB=P12724,HUMAN HGNC=5479 UniProtKB=P0	
	1877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HG	
	NC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P2	
	3083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGN	
	C=5525 UniProtKB=P01857,HUMAN HGNC=2761 UniProtKB=P59	
	665,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=56	
	62 UniProtKB=A0A0B4J1U7,HUMAN HGNC=16961 UniProtKB=Q1	
	5762,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HG	
	NC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P0	
	1764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5	
GO:004508	610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 Uni	
7	ProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860,HU	innate immune response

	MAN HGNC=584 UniProtKB=P02743,HUMAN HGNC=10045 UniProtKB=P10153	
GO:0043113	HUMAN HGNC=30377 UniProtKB=Q14160 HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=9784 UniProtKB=P61020,HUMAN HGNC=14902 UniProtKB=Q9NRW1,HUMAN HGNC=19983 UniProtKB=Q86YS6,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=13487 UniProtKB=Q96QK1,HUMAN HGNC=16524 UniProtKB=P61106,HUMAN HGNC=20726 UniProtKB=Q8WVM8,HUMAN HGNC=11445 UniProtKB=Q15833,HUMAN HGNC=9758 UniProtKB=P62820,HUMAN HGNC=16998 UniProtKB=P49755,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=2232 UniProtKB=P35606,HUMAN HGNC=18263 UniProtKB=Q9UL25,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=9785 UniProtKB=P51148,HUMAN HGNC=2230 UniProtKB=P53621,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=26801 UniProtKB=Q8N8Q8,HUMAN HGNC=9772 UniProtKB=Q13637,HUMAN HGNC=21354 UniProtKB=Q86XR7,HUMAN HGNC=24251 UniProtKB=Q9Y3A6,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=655 UniProtKB=P18085,HUMAN HGNC=11446 UniProtKB=O00186,HUMAN HGNC=25694 UniProtKB=Q8TC07,HUMAN HGNC=9786 UniProtKB=P20340,HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=20347 UniProtKB=Q9H9C1,HUMAN HGNC=18370 UniProtKB=Q9H0U4,HUMAN HGNC=16996 UniProtKB=Q15363,HUMAN HGNC=25571 UniProtKB=Q9NVG8,HUMAN HGNC=24878 UniProtKB=Q9BVK6	receptor clustering
GO:0006886		intracellular protein transport
GO:0051495	HUMAN HGNC=12754 UniProtKB=O75083,HUMAN HGNC=8881 UniProtKB=P07737,HUMAN HGNC=9847 UniProtKB=P43487 HUMAN HGNC=20040 UniProtKB=Q01518,HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=8881 UniProtKB=P07737,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=22958 UniProtKB=Q9NR12,HUMAN HGNC=21295 UniProtKB=Q8TE68	positive regulation of cytoskeleton organization
GO:0003779	HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=13109 UniProtKB=P17038,HUMAN HGNC=13061 UniProtKB=Q14587,HUMAN HGNC=23708 UniProtKB=Q6ZR52,HUMAN HGNC=7002 UniProtKB=A6NDR6	actin binding
GO:0001228	HUMAN HGNC=7183 UniProtKB=P41218,HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=18807 UniProtKB=O94983,HUMAN HGNC=4719 UniProtKB=P16401	DNA-binding transcription activator activity, RNA polymerase II-specific
GO:0003690	HUMAN HGNC=27146 UniProtKB=Q5TA31,HUMAN HGNC=12458 UniProtKB=P62987,HUMAN HGNC=12468 UniProtKB=P0CG48,HUMAN HGNC=12469 UniProtKB=P22314,HUMAN HGNC=30688 UniProtKB=Q86VP6,HUMAN HGNC=2552 UniProtKB=Q13617,HUMAN HGNC=14452 UniProtKB=Q9NYG5,HUMAN HGNC=2551 UniProtKB=Q13616,HUMAN HGNC=7732 UniProtKB=Q15843,HUMAN HGNC=26378 UniProtKB=Q8N7C3,HUMAN HGNC=25544 UniProtKB=Q9HCI7,HUMAN HGNC=12463 UniProtKB=P0CG47	double-stranded DNA binding
GO:0016567		protein ubiquitination

GO:0051603	HUMAN HGNC=2528 UniProtKB=P53634,HUMAN HGNC=5381 UniProtKB=P14735,HUMAN HGNC=9472 UniProtKB=Q99538	proteolysis involved in cellular protein catabolic process
GO:0016772	HUMAN HGNC=9465 UniProtKB=P11908,HUMAN HGNC=9462 UniProtKB=P60891 HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=14294 UniProtKB=Q9BYB0	transferase activity, transferring phosphorus-containing groups
GO:0045211	HUMAN HGNC=12028 UniProtKB=P14625,HUMAN HGNC=13919 UniProtKB=P46379,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=30550 UniProtKB=O60337,HUMAN HGNC=5238 UniProtKB=P11021,HUMAN HGNC=9553 UniProtKB=P62333,HUMAN HGNC=25035 UniProtKB=Q5VVQ6,HUMAN HGNC=17943 UniProtKB=Q9GZP9	postsynaptic membrane
GO:0030433	HUMAN HGNC=2528 UniProtKB=P53634,HUMAN HGNC=1476 UniProtKB=P07384,HUMAN HGNC=20063 UniProtKB=Q86T82,HUMAN HGNC=12628 UniProtKB=P45974,HUMAN HGNC=9472 UniProtKB=Q99538,HUMAN HGNC=13485 UniProtKB=Q9BXU7,HUMAN HGNC=20076 UniProtKB=Q96K76	ubiquitin-dependent ERAD pathway
GO:0004197	HUMAN HGNC=15578 UniProtKB=Q96D71,HUMAN HGNC=24634 UniProtKB=Q9UBC2,HUMAN HGNC=3419 UniProtKB=P42566	cysteine-type endopeptidase activity
GO:0016197		endosomal transport
GO:0030894	HUMAN HGNC=26200 UniProtKB=Q9H668	replisome
GO:0051241	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=29884 UniProtKB=Q8TF42,HUMAN HGNC=7178 UniProtKB=Q13201	negative regulation of multicellular organismal process
GO:0030120	HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=10701 UniProtKB=Q15436	vesicle coat
GO:0061640	HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=2713 UniProtKB=O75935,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=7729 UniProtKB=Q15019	cytoskeleton-dependent cytokinesis
GO:0022409	HUMAN HGNC=3757 UniProtKB=O75955	positive regulation of cell-cell adhesion
GO:0033202	HUMAN HGNC=26200 UniProtKB=Q9H668	DNA helicase complex
GO:0052745	HUMAN HGNC=6050 UniProtKB=P29218	inositol phosphate phosphatase activity
GO:0000977	HUMAN HGNC=7803 UniProtKB=Q12986,HUMAN HGNC=25397 UniProtKB=Q6MZP7,HUMAN HGNC=9349 UniProtKB=Q9NQX1,HUMAN HGNC=15935 UniProtKB=Q9H4I2,HUMAN HGNC=7446 UniProtKB=Q9Y4I5,HUMAN HGNC=12879 UniProtKB=P21506	RNA polymerase II transcription regulatory region sequence-specific DNA binding
GO:0050877	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	nervous system process
GO:0006898	HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=7228 UniProtKB=P22897,HUMAN HGNC=2092 UniProtKB=Q00610	receptor-mediated endocytosis
GO:0005216	HUMAN HGNC=12669 UniProtKB=P21796,HUMAN HGNC=12674 UniProtKB=Q9Y277,HUMAN HGNC=12672 UniProtKB=P45880	ion channel activity

PC00157	HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=30535 UniProtKB=Q8WVJ2,HUMAN HGNC=26664 UniProtKB=Q8N841	microtubule or microtubule-binding cytoskeletal protein
GO:0071363	HUMAN HGNC=1692 UniProtKB=P08962,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=7178 UniProtKB=Q13201	cellular response to growth factor stimulus
GO:0007010	HUMAN HGNC=20250 UniProtKB=Q96IF1	cytoskeleton organization
GO:0002718	HUMAN HGNC=16961 UniProtKB=Q15762 HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=3382 UniProtKB=Q08495,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=21295 UniProtKB=Q8TE68	regulation of cytokine production involved in immune response
GO:0120031	HUMAN HGNC=19985 UniProtKB=P53999,HUMAN HGNC=20250 UniProtKB=Q96IF1	plasma membrane bounded cell projection assembly
GO:0005667	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=2905 UniProtKB=Q14490,HUMAN HGNC=7729 UniProtKB=Q15019	transcription regulator complex
GO:0060090	HUMAN HGNC=1173 UniProtKB=Q5H9R7,HUMAN HGNC=14871 UniProtKB=Q96A00,HUMAN HGNC=14952 UniProtKB=Q8TAE6,HUMAN HGNC=9304 UniProtKB=P63151	molecular adaptor activity
GO:0004721		phosphoprotein phosphatase activity
GO:0090307	HUMAN HGNC=5048 UniProtKB=Q00839	mitotic spindle assembly
GO:0005697	HUMAN HGNC=5048 UniProtKB=Q00839	telomerase holoenzyme complex
GO:0046890	HUMAN HGNC=533 UniProtKB=P04083	regulation of lipid biosynthetic process
GO:0035591	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	signaling adaptor activity
GO:0051896	HUMAN HGNC=18233 UniProtKB=Q8NDB2	regulation of protein kinase B signaling
GO:0043001	HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=8016 UniProtKB=P46459	Golgi to plasma membrane protein transport
GO:0010639	HUMAN HGNC=4374 UniProtKB=O60234	negative regulation of organelle organization
GO:0000727	HUMAN HGNC=1745 UniProtKB=O00311	double-strand break repair via break-induced replication
GO:0030667	HUMAN HGNC=2689 UniProtKB=P09172	secretory granule membrane
GO:0051445	HUMAN HGNC=12401 UniProtKB=P33981	regulation of meiotic cell cycle
GO:0008203	HUMAN HGNC=615 UniProtKB=Q13790,HUMAN HGNC=613 UniProtKB=P02649,HUMAN HGNC=1869 UniProtKB=P11597	cholesterol metabolic process
GO:0000288	HUMAN HGNC=9207 UniProtKB=Q9UFF9	nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay
GO:0004553	HUMAN HGNC=4298 UniProtKB=P16278,HUMAN HGNC=6740 UniProtKB=P61626	hydrolase activity, hydrolyzing O-glycosyl compounds

GO:001674	1	HUMAN HGNC=794 UniProtKB=P31939 HUMAN HGNC=14247 UniProtKB=O75964,HUMAN HGNC=7421 UniProtKB=P00403,HUMAN HGNC=837 UniProtKB=P30049,HUMAN HGNC=823 UniProtKB=P25705,HUMAN HGNC=19986 UniProtKB=P99999,HUMAN HGNC=850 UniProtKB=P48047,HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=2265 UniProtKB=P13073,HUMAN HGNC=845 UniProtKB=O75947,HUMAN HGNC=2288 UniProtKB=P14406,HUMAN HGNC=2267 UniProtKB=P20674,HUMAN HGNC=12582 UniProtKB=P14927,HUMAN HGNC=12590 UniProtKB=P07919,HUMAN HGNC=833 UniProtKB=P36542,HUMAN HGNC=2292 UniProtKB=P15954,HUMAN HGNC=830 UniProtKB=P06576	transferase activity, transferring one-carbon groups
GO:001598	6	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=20120 UniProtKB=Q17RC7,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN HGNC=11131 UniProtKB=O00161,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=11446 UniProtKB=O00186,HUMAN HGNC=11445 UniProtKB=Q15833,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=15588 UniProtKB=Q96C24,HUMAN HGNC=30389 UniProtKB=Q96A65,HUMAN HGNC=9761 UniProtKB=Q15907,HUMAN HGNC=11512 UniProtKB=Q9H2B2,HUMAN HGNC=8515 UniProtKB=Q9HC10,HUMAN HGNC=9767 UniProtKB=O00194	ATP synthesis coupled proton transport
GO:009950	0		vesicle fusion to plasma membrane
GO:190121	5	HUMAN HGNC=613 UniProtKB=P02649 HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=11582 UniProtKB=Q15813,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=26664 UniProtKB=Q8N841	negative regulation of neuron death
GO:000022	6	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=603 UniProtKB=P04114,HUMAN HGNC=19760 UniProtKB=Q96T51	microtubule cytoskeleton organization
GO:001503	1	HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=11138 UniProtKB=P37840,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	protein transport
GO:000726	8	HUMAN HGNC=30167 UniProtKB=P13667,HUMAN HGNC=11476 UniProtKB=O15260,HUMAN HGNC=1455 UniProtKB=P27797,HUMAN HGNC=1735 UniProtKB=Q16543,HUMAN HGNC=11582 UniProtKB=Q15813,HUMAN HGNC=8548 UniProtKB=P07237,HUMAN HGNC=9261 UniProtKB=Q13356,HUMAN HGNC=8988 UniProtKB=Q13526,HUMAN HGNC=1473 UniProtKB=P27824,HUMAN HGNC=4606 UniProtKB=P30101,HUMAN HGNC=5228 UniProtKB=P25686,HUMAN HGNC=9253 UniProtKB=P62937,HUMAN HGNC=2711 UniProtKB=Q14203,HUMAN HGNC=13919 UniProtKB=P46379,HUMAN HGNC=5461 UniProtKB=P78318,HUMAN HGNC=24718 Uni	chemical synaptic transmission
PC00072			chaperone

	ProtKB=Q96JJ7,HUMAN HGNC=21073 UniProtKB=Q8NBS9,HUMAN HGNC=24811 UniProtKB=Q14554,HUMAN HGNC=5270 UniProtKB=P25685,HUMAN HGNC=30168 UniProtKB=Q15084,HUMAN HGNC=3711 UniProtKB=P62942,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=9255 UniProtKB=P23284,HUMAN HGNC=9259 UniProtKB=P30405	
GO:0019905	HUMAN HGNC=20726 UniProtKB=Q8WVM8,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11131 UniProtKB=O00161,HUMAN HGNC=12647 UniProtKB=Q9BV40	syntaxin binding
GO:0098796	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=17955 UniProtKB=O43504,HUMAN HGNC=18587 UniProtKB=O94901,HUMAN HGNC=26212 UniProtKB=P61009,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=13487 UniProtKB=Q96QK1,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=17943 UniProtKB=Q9GZP9,HUMAN HGNC=15606 UniProtKB=Q9UHA4	membrane protein complex
GO:0004713	HUMAN HGNC=6171 UniProtKB=Q08881,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=12841 UniProtKB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=6735 UniProtKB=P07948,HUMAN HGNC=2444 UniProtKB=P41240	protein tyrosine kinase activity
GO:0030335	HUMAN HGNC=9065 UniProtKB=P19174,HUMAN HGNC=533 UniProtKB=P04083	positive regulation of cell migration
PC00222	HUMAN HGNC=3214 UniProtKB=P13639,HUMAN HGNC=3208 UniProtKB=P24534,HUMAN HGNC=12420 UniProtKB=P49411,HUMAN HGNC=3211 UniProtKB=P29692	translation elongation factor
GO:0043087		regulation of GTPase activity
GO:0051298	HUMAN HGNC=17168 UniProtKB=Q9H2M9	
GO:0030426	HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=7910 UniProtKB=P06748	centrosome duplication
GO:0046872	HUMAN HGNC=11148 UniProtKB=Q16658	growth cone
GO:0007528	HUMAN HGNC=5269 UniProtKB=P61604	metal ion binding
GO:0097061	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	neuromuscular junction development
GO:0031400	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=14294 UniProtKB=Q9BYB0	dendritic spine organization
GO:0036503		negative regulation of protein modification process
GO:0004672	HUMAN HGNC=21314 UniProtKB=Q8WXC6	
PC00093	HUMAN HGNC=15663 UniProtKB=Q9NYU2	ERAD pathway
GO:0009967	HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=6040 UniProtKB=Q13418	protein kinase activity
GO:0044271	HUMAN HGNC=28422 UniProtKB=Q8NCE0	endodeoxyribonuclease
	HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=16961 UniProtKB=Q15762,HUMAN HGNC=14294 UniProtKB=Q9BYB0,HUMAN HGNC=11119 UniProtKB=Q99835,HUMAN HGNC=11766 UniProtKB=P01137	positive regulation of signal transduction
	HUMAN HGNC=2689 UniProtKB=P09172	cellular nitrogen compound biosynthetic process

GO:004831	HUMAN HGNC=13206 UniProtKB=O60296,HUMAN HGNC=2973	mitochondrion distribution
1	UniProtKB=O00429	
GO:000741		central nervous system
7	HUMAN HGNC=11119 UniProtKB=Q99835	development
GO:000669		cholesterol biosynthetic
5	HUMAN HGNC=9141 UniProtKB=Q15126	process
GO:003130	HUMAN HGNC=8533 UniProtKB=P51575,HUMAN HGNC=6501 U	integral component of
1	niProtKB=P13473	
	HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=2713 U	organelle membrane
	niProtKB=O75935,HUMAN HGNC=2712 UniProtKB=Q13561,HUM	
GO:000587	AN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=6835 UniPro	microtubule associated
5	tKB=P78559,HUMAN HGNC=17060 UniProtKB=Q92845	
	HUMAN HGNC=14313 UniProtKB=Q8WYA0,HUMAN HGNC=1158	complex
	2 UniProtKB=Q15813,HUMAN HGNC=6510 UniProtKB=P16949,H	
GO:001563	UMAN HGNC=11579 UniProtKB=O75347,HUMAN HGNC=26664	tubulin binding
1	UniProtKB=Q8N841	
	HUMAN HGNC=1623 UniProtKB=P50990,HUMAN HGNC=1617 U	
	niProtKB=P50991,HUMAN HGNC=1622 UniProtKB=Q99832,HUMA	
	N HGNC=5239 UniProtKB=P17066,HUMAN HGNC=1735 UniProtK	
	B=Q16543,HUMAN HGNC=1615 UniProtKB=P78371,HUMAN HGN	
	C=5241 UniProtKB=P11142,HUMAN HGNC=5269 UniProtKB=P61	
	604,HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=116	
	55 UniProtKB=P17987,HUMAN HGNC=1618 UniProtKB=P48643,H	
	UMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=1620 Uni	
	ProtKB=P40227,HUMAN HGNC=12028 UniProtKB=P14625,HUMA	
	N HGNC=5238 UniProtKB=P11021,HUMAN HGNC=32153 UniProt	
	KB=A6NM43,HUMAN HGNC=5270 UniProtKB=P25685,HUMAN H	
	GNC=5240 UniProtKB=P48741,HUMAN HGNC=30535 UniProtKB=	
GO:005108	Q8WVJ2,HUMAN HGNC=15663 UniProtKB=Q9NYU2,HUMAN HG	unfolded protein binding
2	NC=7629 UniProtKB=E9PAV3	
	HUMAN HGNC=463 UniProtKB=Q9UKV5,HUMAN HGNC=11617 U	
	niProtKB=Q15369,HUMAN HGNC=9556 UniProtKB=O00231,HUM	
	AN HGNC=9571 UniProtKB=Q92530,HUMAN HGNC=12469 UniPr	
	otKB=P22314,HUMAN HGNC=12476 UniProtKB=P61077,HUMAN	
	HGNC=16476 UniProtKB=Q9H0E2,HUMAN HGNC=12475 UniProt	
GO:000651	KB=P62837,HUMAN HGNC=14452 UniProtKB=Q9NYG5,HUMAN H	
1	GNC=2239 UniProtKB=Q9UNS2	ubiquitin-dependent
GO:003086	HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=13406	protein catabolic process
3	UniProtKB=Q9Y6V0	cortical cytoskeleton
GO:004646		
4	HUMAN HGNC=13921 UniProtKB=O95870	acylglycerol catabolic
GO:000681		process
6	HUMAN HGNC=1393 UniProtKB=O60840	calcium ion transport
GO:003114	HUMAN HGNC=2552 UniProtKB=Q13617,HUMAN HGNC=10899	SCF-dependent proteasomal
6	UniProtKB=P63208	
GO:004544	HUMAN HGNC=14685 UniProtKB=Q9Y624,HUMAN HGNC=243 U	ubiquitin-dependent
6	niProtKB=P35611,HUMAN HGNC=11828 UniProtKB=Q9UDY2	
		protein catabolic process
		endothelial cell
		differentiation
		establishment or
GO:004519	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=3037	maintenance of epithelial
7	7 UniProtKB=Q14160	
	HUMAN HGNC=2315 UniProtKB=Q96FN4,HUMAN HGNC=11510	cell apical/basal polarity
GO:007088	UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2,HU	
7	MAN HGNC=82 UniProtKB=P09110	cellular response to
		chemical stimulus

GO:000228			T cell activation involved in
6	HUMAN HGNC=533 UniProtKB=P04083		immune response
	HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=4395		
	UniProtKB=P19086,HUMAN HGNC=4384 UniProtKB=P63096,HUM		
	AN HGNC=4398 UniProtKB=P62879,HUMAN HGNC=4381 UniProt		
	KB=Q14344,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HG		
	NC=20731 UniProtKB=Q9HAV0,HUMAN HGNC=4385 UniProtKB=		
	P04899,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=		
	4390 UniProtKB=P50148,HUMAN HGNC=11231 UniProtKB=Q8W		
PC00117	XF7,HUMAN HGNC=4396 UniProtKB=P62873		heterotrimeric G-protein
GO:000011	HUMAN HGNC=29989 UniProtKB=Q86YP4,HUMAN HGNC=10474		histone deacetylase
8	UniProtKB=Q9Y265,HUMAN HGNC=10475 UniProtKB=Q9Y230		complex
GO:004527			plasma membrane
2	HUMAN HGNC=7717 UniProtKB=P19404		respiratory chain complex I
GO:004801			
8	HUMAN HGNC=3157 UniProtKB=Q92838		receptor ligand activity
GO:000517	HUMAN HGNC=3964 UniProtKB=P01225,HUMAN HGNC=16452		
9	UniProtKB=P0DN86,HUMAN HGNC=16721 UniProtKB=A6NKQ9		hormone activity
GO:004210	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=533 U		positive regulation of T cell
2	niProtKB=P04083		proliferation
	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=6499		
	UniProtKB=P11279,HUMAN HGNC=17955 UniProtKB=O43504,HU		
GO:003190	MAN HGNC=6501 UniProtKB=P13473,HUMAN HGNC=15606 Uni		
2	ProtKB=Q9UHA4		late endosome membrane
GO:000097	HUMAN HGNC=29513 UniProtKB=O60306,HUMAN HGNC=5048		
4	UniProtKB=Q00839,HUMAN HGNC=1743 UniProtKB=Q99459		Prp19 complex
GO:005140	HUMAN HGNC=17865 UniProtKB=Q96A26,HUMAN HGNC=613 U		
2	niProtKB=P02649		neuron apoptotic process
GO:000704			
0	HUMAN HGNC=9788 UniProtKB=P51149		lysosome organization
	HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=14511		
	UniProtKB=P82663,HUMAN HGNC=10377 UniProtKB=P05387,HU		
	MAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=10363 Un		
	iProtKB=P18124,HUMAN HGNC=10385 UniProtKB=P25398,HUMA		
	N HGNC=10378 UniProtKB=P52815,HUMAN HGNC=10396 UniPr		
	otKB=P62249,HUMAN HGNC=10305 UniProtKB=P50914,HUMAN		
PC00202	HGNC=10353 UniProtKB=P36578		ribosomal protein
GO:000699	HUMAN HGNC=18587 UniProtKB=O94901,HUMAN HGNC=15912		nuclear envelope
8	UniProtKB=Q9UNZ2		organization
GO:005165	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=1149		establishment of organelle
6	1 UniProtKB=P43405		localization
PC00174	HUMAN HGNC=8087 UniProtKB=P29728		nucleotidyltransferase
GO:005187	HUMAN HGNC=11387 UniProtKB=P31948,HUMAN HGNC=30594		
9	UniProtKB=Q9H3U1		Hsp90 protein binding
	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=55 Un		
	iProtKB=O15439,HUMAN HGNC=11027 UniProtKB=P02730,HUMA		
GO:005508	N HGNC=17292 UniProtKB=Q8IWA5,HUMAN HGNC=11034 UniPr		
5	otKB=Q2YOW8		transmembrane transport
	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=56		
	45 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0		
	A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HG		
	NC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0		
GO:004274	A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN		defense response to
2	HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtK		bacterium

	B=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860 UniProtKB=P54819,HUMAN HGNC=363 UniProtKB=P27144,HUMAN HGNC=361 UniProtKB=P00568,HUMAN HGNC=18170 UniProtKB=P30085,HUMAN HGNC=17376 UniProtKB=Q9UIJ7	adenylate kinase activity
GO:0004017		
GO:0005776	HUMAN HGNC=6501 UniProtKB=P13473	autophagosome regulation of mitotic metaphase/anaphase transition
GO:0030071	HUMAN HGNC=15713 UniProtKB=Q9UJX4,HUMAN HGNC=14452 UniProtKB=Q9NYG5	
GO:0006637	HUMAN HGNC=9141 UniProtKB=Q15126	acyl-CoA metabolic process
GO:0051223	HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=17643 UniProtKB=Q9HD26,HUMAN HGNC=6703 UniProtKB=Q9Y608,HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=29989 UniProtKB=Q86YP4,HUMAN HGNC=30547 UniProtKB=Q96K17,HUMAN HGNC=7183 UniProtKB=P41218,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=6702 UniProtKB=Q32MZ4,HUMAN HGNC=18807 UniProtKB=O94983	regulation of protein transport
PC00218		DNA-binding transcription factor
GO:0000724	HUMAN HGNC=26200 UniProtKB=Q9H668,HUMAN HGNC=1101 UniProtKB=P51587,HUMAN HGNC=17196 UniProtKB=Q8NG08	double-strand break repair via homologous recombination

GO:0042273	HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=10305 UniProtKB=P50914	ribosomal large subunit biogenesis
GO:0007173	HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=25153 UniProtKB=Q96EY5	epidermal growth factor receptor signaling pathway
GO:0034703	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	cation channel complex
GO:0006465	HUMAN HGNC=26212 UniProtKB=P61009	signal peptide processing
GO:0005882	HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=9069 UniProtKB=Q15149	intermediate filament
GO:0034455	HUMAN HGNC=12755 UniProtKB=Q9UNX4	t-UTP complex regulation of supramolecular fiber organization
GO:1902903	HUMAN HGNC=6835 UniProtKB=P78559	negative regulation of translation
GO:0017148	HUMAN HGNC=17970 UniProtKB=Q9BPZ3,HUMAN HGNC=9207 UniProtKB=Q9UFF9	
GO:0004016	HUMAN HGNC=237 UniProtKB=O43306	adenylate cyclase activity
GO:0032640	HUMAN HGNC=6517 UniProtKB=P18428	tumor necrosis factor production
GO:0005669	HUMAN HGNC=17305 UniProtKB=Q9Y6J9	transcription factor TFIID complex
GO:0061013	HUMAN HGNC=29190 UniProtKB=Q9UPQ9	regulation of mRNA catabolic process
	HUMAN HGNC=8062 UniProtKB=P49790,HUMAN HGNC=30052 UniProtKB=Q8TEM1,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=17859 UniProtKB=Q5SRE5	nuclear pore
GO:0005643	HUMAN HGNC=14685 UniProtKB=Q9Y624,HUMAN HGNC=11756 UniProtKB=Q03403	system process
GO:0007041	HUMAN HGNC=1406 UniProtKB=Q9Y698	lysosomal transport
GO:0043022	HUMAN HGNC=3214 UniProtKB=P13639,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=3265 UniProtKB=P05198	ribosome binding
	HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN Gene=EIF2S3L UniProtKB=Q2VIR3,HUMAN HGNC=3285 UniProtKB=P23588,HUMAN HGNC=10475 UniProtKB=Q9Y230	ribonucleoprotein complex assembly
GO:0022618	HUMAN HGNC=2230 UniProtKB=P53621,HUMAN HGNC=21354 UniProtKB=Q86XR7,HUMAN HGNC=575 UniProtKB=Q9Y587,HUMAN HGNC=24251 UniProtKB=Q9Y3A6,HUMAN HGNC=2231 UniProtKB=P53618,HUMAN HGNC=10701 UniProtKB=Q15436,HUMAN HGNC=16998 UniProtKB=P49755,HUMAN HGNC=2092 UniProtKB=Q00610,HUMAN HGNC=649 UniProtKB=P48444,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=2232 UniProtKB=P35606,HUMAN HGNC=16996 UniProtKB=Q15363,HUMAN HGNC=24878 UniProtKB=Q9BVK6	vesicle coat protein
PC00235	HUMAN HGNC=8504 UniProtKB=Q969R2,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=603 UniProtKB=P04114	cholesterol binding
GO:0015485	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=16753 UniProtKB=P30041,HUMAN HGNC=7413 UniProtKB=Q13126,HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=16369 UniProtKB=Q99497,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN	cytosol

|HGNC=9554|UniProtKB=Q99460,HUMAN|HGNC=8988|UniProtKB=Q13526,HUMAN|HGNC=463|UniProtKB=Q9UKV5,HUMAN|HGNC=414|UniProtKB=P04075,HUMAN|HGNC=9353|UniProtKB=P32119,HUMAN|HGNC=4831|UniProtKB=P69891,HUMAN|HGNC=4458|UniProtKB=P06744,HUMAN|HGNC=1742|UniProtKB=P50851,HUMAN|HGNC=29035|UniProtKB=O43314,HUMAN|HGNC=2431|UniProtKB=P55060,HUMAN|HGNC=8878|UniProtKB=Q01813,HUMAN|HGNC=395|UniProtKB=P13716,HUMAN|HGNC=9275|UniProtKB=P35813,HUMAN|HGNC=3211|UniProtKB=P29692,HUMAN|HGNC=13485|UniProtKB=Q9BXU7,HUMAN|HGNC=25153|UniProtKB=Q96EY5,HUMAN|HGNC=11179|UniProtKB=P00441,HUMAN|HGNC=5253|UniProtKB=P07900,HUMAN|HGNC=25648|UniProtKB=Q8N5J2,HUMAN|HGNC=5258|UniProtKB=P08238,HUMAN|HGNC=4922|UniProtKB=P19367,HUMAN|HGNC=8087|UniProtKB=P29728,HUMAN|HGNC=9852|UniProtKB=O95373,HUMAN|HGNC=19388|UniProtKB=P49593,HUMAN|HGNC=3148|UniProtKB=P19971,HUMAN|HGNC=25035|UniProtKB=Q5VVQ6,HUMAN|HGNC=9859|UniProtKB=P52306,HUMAN|HGNC=24552|UniProtKB=Q3LXA3,HUMAN|HGNC=4141|UniProtKB=P04406,HUMAN|HGNC=9304|UniProtKB=P63151,HUMAN|HGNC=4116|UniProtKB=Q14376,HUMAN|HGNC=20726|UniProtKB=Q8WVM8,HUMAN|HGNC=4638|UniProtKB=P09211,HUMAN|HGNC=678|UniProtKB=P52565,HUMAN|HGNC=361|UniProtKB=P00568,HUMAN|HGNC=9352|UniProtKB=Q06830,HUMAN|HGNC=9552|UniProtKB=P62195,HUMAN|HGNC=21539|UniProtKB=Q9BX46,HUMAN|HGNC=12016|UniProtKB=P29144,HUMAN|HGNC=8898|UniProtKB=P07205,HUMAN|HGNC=4827|UniProtKB=P68871,HUMAN|HGNC=24437|UniProtKB=Q96KP4,HUMAN|HGNC=1050|UniProtKB=P55957,HUMAN|HGNC=3350|UniProtKB=P06733,HUMAN|HGNC=13919|UniProtKB=P46379,HUMAN|HGNC=649|UniProtKB=P48444,HUMAN|HGNC=291|UniProtKB=P30566,HUMAN|HGNC=8587|UniProtKB=P22234,HUMAN|HGNC=12666|UniProtKB=P55072,HUMAN|HGNC=2482|UniProtKB=P04080,HUMAN|HGNC=469|UniProtKB=Q01433,HUMAN|HGNC=11579|UniProtKB=O75347,HUMAN|HGNC=9813|UniProtKB=P54727,HUMAN|HGNC=8891|UniProtKB=P52209,HUMAN|HGNC=11767|UniProtKB=O43294,HUMAN|HGNC=4624|UniProtKB=P48637,HUMAN|HGNC=5237|UniProtKB=P34932,HUMAN|HGNC=12009|UniProtKB=P60174,HUMAN|HGNC=20063|UniProtKB=Q86T82,HUMAN|HGNC=20675|UniProtKB=Q96KN2,HUMAN|HGNC=794|UniProtKB=P31939,HUMAN|HGNC=343|UniProtKB=P23526,HUMAN|HGNC=9314|UniProtKB=Q08209,HUMAN|HGNC=255|UniProtKB=P28332,HUMAN|HGNC=380|UniProtKB=P14550,HUMAN|HGNC=6835|UniProtKB=P78559,HUMAN|Gene=EIF2S3L|UniProtKB=Q2VIR3,HUMAN|HGNC=16969|UniProtKB=Q92598,HUMAN|HGNC=8504|UniProtKB=Q969R2,HUMAN|HGNC=5241|UniProtKB=P11142,HUMAN|HGNC=8905|UniProtKB=P36871,HUMAN|HGNC=2678|UniProtKB=P14868,HUMAN|HGNC=1173|UniProtKB=Q5H9R7,HUMAN|HGNC=3353|UniProtKB=P09104,HUMAN|HGNC=3214|UniProtKB=P13639,HUMAN|HGNC=5461|UniProtKB=P78318,HUMAN|HGNC=12628|UniProtKB=P45974,HUMAN|HGNC=3208|UniProtKB=P24534,HUMAN|HGNC=9551|UniProtKB=P43686,HUMAN|HGNC=26378|UniProtKB=Q8N7C3,HUMAN|HGNC=8876|UniProtKB=P17858,HUMAN|HGNC=418|UniProtKB=P09972,HUMAN|HGNC=253|UniProtKB=P11766,HUMAN|HGNC=118|UniProtKB=Q99798,HUMAN|HGNC=30547|UniProtKB=Q96K17,H

GO:0003677	UMAN HGNC=8783 UniProtKB=Q08499,HUMAN HGNC=20635 UniProtKB=Q14997,HUMAN HGNC=9559 UniProtKB=Q13200,HUMAN HGNC=8906 UniProtKB=Q96G03,HUMAN HGNC=25490 UniProtKB=Q96HA8,HUMAN HGNC=15912 UniProtKB=Q9UNZ2,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=3354 UniProtKB=P13929,HUMAN HGNC=15818 UniProtKB=Q9H0Z9,HUMAN HGNC=5270 UniProtKB=P25685,HUMAN HGNC=4623 UniProtKB=P00390,HUMAN HGNC=26951 UniProtKB=Q86YL5,HUMAN HGNC=4823 UniProtKB=P69905,HUMAN HGNC=4829 UniProtKB=P02042,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=3465 UniProtKB=P10768,HUMAN HGNC=4432 UniProtKB=P17174,HUMAN HGNC=117 UniProtKB=P21399,HUMAN HGNC=9553 UniProtKB=P62333,HUMAN HGNC=20076 UniProtKB=Q96K76	DNA binding
GO:0043248	HUMAN HGNC=4747 UniProtKB=P58876,HUMAN HGNC=4750 UniProtKB=Q99879,HUMAN HGNC=13954 UniProtKB=O60814,HUMAN HGNC=4762 UniProtKB=P57053,HUMAN HGNC=20508 UniProtKB=Q8IUE6,HUMAN HGNC=4746 UniProtKB=P62807,HUMAN HGNC=20514 UniProtKB=Q8N257,HUMAN HGNC=17177 UniProtKB=Q8IUI8,HUMAN HGNC=4755 UniProtKB=Q93079,HUMAN HGNC=24700 UniProtKB=Q5QNW6,HUMAN HGNC=4749 UniProtKB=Q99877	
GO:0070851	HUMAN HGNC=9556 UniProtKB=O00231	proteasome assembly
PC00095	HUMAN HGNC=19100 UniProtKB=Q5VWK5,HUMAN HGNC=11283 UniProtKB=P12931	growth factor receptor binding
GO:0048523	HUMAN HGNC=25842 UniProtKB=Q6UWX4,HUMAN HGNC=15912 UniProtKB=Q9UNZ2,HUMAN HGNC=9411 UniProtKB=P14314	protein-binding activity modulator
	HUMAN HGNC=17643 UniProtKB=Q9HD26	negative regulation of cellular process
GO:0061650	HUMAN HGNC=12488 UniProtKB=P68036,HUMAN HGNC=12491 UniProtKB=P61081,HUMAN HGNC=12492 UniProtKB=P61088,HUMAN HGNC=12476 UniProtKB=P61077,HUMAN HGNC=12475 UniProtKB=P62837,HUMAN HGNC=12494 UniProtKB=Q13404,HUMAN HGNC=17598 UniProtKB=Q9Y385	ubiquitin-like protein conjugating enzyme activity
GO:0030139	HUMAN HGNC=9785 UniProtKB=P51148,HUMAN HGNC=9784 UniProtKB=P61020,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=11358 UniProtKB=O75886,HUMAN HGNC=2092 UniProtKB=Q00610,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HGNC=9788 UniProtKB=P51149	endocytic vesicle
GO:0009067	HUMAN HGNC=4432 UniProtKB=P17174,HUMAN HGNC=7413 UniProtKB=Q13126	aspartate family amino acid biosynthetic process
GO:0015081	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709	sodium ion transmembrane transporter activity
	HUMAN HGNC=28843 UniProtKB=Q9HC44,HUMAN HGNC=7803 UniProtKB=Q12986,HUMAN HGNC=19246 UniProtKB=Q9NYB0,HUMAN HGNC=18411 UniProtKB=Q3KNW1,HUMAN HGNC=29158 UniProtKB=Q9Y2G9,HUMAN HGNC=12347 UniProtKB=Q9Y4A5,HUMAN HGNC=25397 UniProtKB=Q6MZP7,HUMAN HGNC=1101 UniProtKB=P51587,HUMAN HGNC=10774 UniProtKB=P23246,HUMAN HGNC=7446 UniProtKB=Q9Y4I5,HUMAN HGNC=20250 UniProtKB=Q96IF1	regulation of transcription, DNA-templated
GO:0006355	HUMAN HGNC=10372 UniProtKB=P05386,HUMAN HGNC=10404 UniProtKB=P15880,HUMAN HGNC=10363 UniProtKB=P18124,HUMAN HGNC=10385 UniProtKB=P25398,HUMAN HGNC=10396 Un	structural constituent of ribosome

	iProtKB=P62249,HUMAN HGNC=10305 UniProtKB=P50914,HUMAN HGNC=10353 UniProtKB=P36578	
GO:0006302	HUMAN HGNC=23077 UniProtKB=Q96FW1,HUMAN HGNC=20473 UniProtKB=Q9BX63	double-strand break repair
GO:0008013	HUMAN HGNC=23688 UniProtKB=Q86UU0	beta-catenin binding
GO:0001654	HUMAN HGNC=7002 UniProtKB=A6NDR6	eye development
GO:0008757	HUMAN HGNC=23435 UniProtKB=Q8N4J0,HUMAN HGNC=8728 UniProtKB=P22061,HUMAN HGNC=26022 UniProtKB=Q7LOY3	S-adenosylmethionine-dependent methyltransferase activity
GO:0031346	HUMAN HGNC=21295 UniProtKB=Q8TE68	positive regulation of cell projection organization
PC00133	HUMAN HGNC=2062 UniProtKB=O00299,HUMAN HGNC=13518 UniProtKB=Q9Y696,HUMAN HGNC=22222 UniProtKB=Q9C0H2	ion channel
PC00142	HUMAN HGNC=4624 UniProtKB=P48637,HUMAN HGNC=2520 UniProtKB=Q9NRF8,HUMAN HGNC=871 UniProtKB=Q9UII2,HUMAN HGNC=4312 UniProtKB=P48507,HUMAN HGNC=24723 UniProtKB=Q9H6R3,HUMAN HGNC=1424 UniProtKB=P27708	ligase
GO:0008015	HUMAN HGNC=11828 UniProtKB=Q9UDY2	blood circulation
GO:0000381	HUMAN HGNC=5048 UniProtKB=Q00839	regulation of alternative mRNA splicing, via spliceosome
GO:0008088	HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=13206 UniProtKB=O60296	axo-dendritic transport
GO:0060191	HUMAN HGNC=607 UniProtKB=P02654	regulation of lipase activity
GO:0046470	HUMAN HGNC=30244 UniProtKB=Q6P1A2,HUMAN HGNC=1869 UniProtKB=P11597	phosphatidylcholine metabolic process
GO:0090305	HUMAN HGNC=7326 UniProtKB=P20585,HUMAN HGNC=23845 UniProtKB=Q8IY92	nucleic acid phosphodiester bond hydrolysis
GO:0010494	HUMAN HGNC=3282 UniProtKB=P60842	cytoplasmic stress granule
GO:0002009	HUMAN HGNC=12652 UniProtKB=P50552,HUMAN HGNC=25361 UniProtKB=Q8N264	morphogenesis of an epithelium
GO:0009987	HUMAN HGNC=4932 UniProtKB=P01889	cellular process
GO:0001819	HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=7183 UniProtKB=P41218,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=6517 UniProtKB=P18428,HUMAN HGNC=16961 UniProtKB=Q15762	positive regulation of cytokine production
GO:0030018	HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=7618 UniProtKB=O14974,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=22958 UniProtKB=Q9NR12	Z disc
GO:0001708	HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=14010 UniProtKB=Q8IW19,HUMAN HGNC=11590 UniProtKB=Q16650	cell fate specification
GO:0008483	HUMAN HGNC=4432 UniProtKB=P17174,HUMAN HGNC=4242 UniProtKB=O94808,HUMAN HGNC=4433 UniProtKB=P00505	transaminase activity
GO:0016477	HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=2252 UniProtKB=P31146,HUMAN HGNC=10661 UniProtKB=	cell migration

	P31431,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=9065 UniProtKB=P19174,HUMAN HGNC=15878 UniProtKB=Q9NQ75,HUMAN HGNC=2254 UniProtKB=Q9ULV4,HUMAN HGNC=2253 UniProtKB=Q9BR76,HUMAN HGNC=11881 UniProtKB=P62328,HUMAN HGNC=708 UniProtKB=O15511	
GO:0000783	HUMAN HGNC=19246 UniProtKB=Q9NYB0	nuclear telomere cap complex
GO:0050806	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	positive regulation of synaptic transmission
GO:0034067	HUMAN HGNC=1908 UniProtKB=Q96RL7,HUMAN HGNC=23594 UniProtKB=Q709C8	protein localization to Golgi apparatus
GO:0006464	HUMAN HGNC=3531 UniProtKB=P00488,HUMAN HGNC=25490 UniProtKB=Q96HA8,HUMAN HGNC=16369 UniProtKB=Q99497,HUMAN HGNC=3951 UniProtKB=Q16595	cellular protein modification process
	HUMAN HGNC=18587 UniProtKB=O94901,HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=12644 UniProtKB=Q15836,HUMAN HGNC=11131 UniProtKB=O00161,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=12647 UniProtKB=Q9BV40,HUMAN HGNC=13667 UniProtKB=Q9BXS5,HUMAN HGNC=561 UniProtKB=O95782,HUMAN HGNC=11075 UniProtKB=O14745,HUMAN HGNC=492 UniProtKB=P16157	
GO:0030674	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=9465 UniProtKB=P11908,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=9462 UniProtKB=P60891	protein-macromolecule adaptor activity
GO:0061695		transferase complex, transferring phosphorus-containing groups
GO:0000079	HUMAN HGNC=18673 UniProtKB=Q96JB5	regulation of cyclin-dependent protein serine/threonine kinase activity
	HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=21295 UniProtKB=Q8TE68,HUMAN HGNC=3540 UniProtKB=Q96RI0,HUMAN HGNC=678 UniProtKB=P52565	
GO:0007266	HUMAN HGNC=7687 UniProtKB=O00483,HUMAN HGNC=3481 UniProtKB=P13804,HUMAN HGNC=9355 UniProtKB=P30044,HUMAN HGNC=7421 UniProtKB=P00403,HUMAN HGNC=2898 UniProtKB=P09622,HUMAN HGNC=7716 UniProtKB=P49821,HUMAN HGNC=2753 UniProtKB=Q16698,HUMAN HGNC=3482 UniProtKB=P38117,HUMAN HGNC=6984 UniProtKB=P23368,HUMAN HGNC=4800 UniProtKB=Q99714,HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=11180 UniProtKB=P04179,HUMAN HGNC=12436 UniProtKB=O43396,HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=3542 UniProtKB=P12259,HUMAN HGNC=119 UniProtKB=Q15067,HUMAN HGNC=17772 UniProtKB=Q99757	Rho protein signal transduction
PC00176	HUMAN HGNC=23077 UniProtKB=Q96FW1,HUMAN HGNC=12492 UniProtKB=P61088,HUMAN HGNC=12494 UniProtKB=Q13404,HUMAN HGNC=16804 UniProtKB=O00308	oxidoreductase
GO:0070534	HUMAN HGNC=1908 UniProtKB=Q96RL7,HUMAN HGNC=23594 UniProtKB=Q709C8	protein K63-linked ubiquitination
GO:0019898	HUMAN HGNC=26639 UniProtKB=Q8NBI6,HUMAN HGNC=30004 UniProtKB=P0DMN0,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=119 UniProtKB=Q15067,HUMAN HGNC=17772 UniProtKB=Q99757	extrinsic component of membrane
PC00220		transferase

	MAN HGNC=8527 UniProtKB=P55809,HUMAN HGNC=10869 UniProtKB=Q92185,HUMAN HGNC=12388 UniProtKB=Q16762,HUMAN HGNC=7223 UniProtKB=P25325,HUMAN HGNC=4635 UniProtKB=P21266,HUMAN HGNC=1801 UniProtKB=O95674,HUMAN HGNC=2422 UniProtKB=O75390,HUMAN HGNC=11453 UniProtKB=P50225,HUMAN HGNC=3531 UniProtKB=P00488,HUMAN HGNC=2911 UniProtKB=P36957,HUMAN HGNC=4634 UniProtKB=P28161,HUMAN HGNC=4632 UniProtKB=P09488,HUMAN HGNC=16906 UniProtKB=Q9Y2Q3,HUMAN HGNC=4638 UniProtKB=P09211,HUMAN HGNC=115 UniProtKB=P53396	
GO:0051053	HUMAN HGNC=5048 UniProtKB=Q00839 HUMAN HGNC=4827 UniProtKB=P68871,HUMAN HGNC=6401 UniProtKB=Q92973,HUMAN HGNC=2431 UniProtKB=P55060,HUMAN HGNC=4831 UniProtKB=P69891,HUMAN HGNC=4823 UniProtKB=P69905,HUMAN HGNC=4829 UniProtKB=P02042,HUMAN HGNC=6396 UniProtKB=O00505,HUMAN HGNC=6400 UniProtKB=Q14974	negative regulation of DNA metabolic process
GO:0005215	HUMAN HGNC=20165 UniProtKB=Q9P2P1,HUMAN HGNC=17904 UniProtKB=Q9NRR4	transporter activity
PC00094		endoribonuclease
GO:0004866	HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=9750 UniProtKB=P20742 UniProtKB=55 UniProtKB=O15439,HUMAN HGNC=14637 UniProtKB=Q86UK0	endopeptidase inhibitor activity
PC00003		ATP-binding cassette (ABC) transporter
GO:0031966	HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	mitochondrial membrane protein tyrosine kinase binding
GO:1990782	HUMAN HGNC=18233 UniProtKB=Q8NDB2 HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=2367 UniProtKB=P02741,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniPr	lymphocyte mediated immunity
GO:0002449		

	otKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=16961 UniProtKB=Q15762,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG0000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860,HUMAN HGNC=584 UniProtKB=P02743	
GO:0098794	HUMAN HGNC=9536 UniProtKB=O14818,HUMAN HGNC=2090 UniProtKB=P09496	postsynapse
GO:0001705	HUMAN HGNC=2188 UniProtKB=Q99715	ectoderm formation mitochondrial proton-transporting ATP synthase complex
GO:0005753	HUMAN HGNC=846 UniProtKB=P56385,HUMAN HGNC=830 UniProtKB=P06576	
GO:0007202	HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=3540 UniProtKB=Q96R10	activation of phospholipase C activity
GO:0043044	HUMAN HGNC=17780 UniProtKB=Q562R1	ATP-dependent chromatin remodeling
GO:0016301	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=24552 UniProtKB=Q3LXA3,HUMAN HGNC=29035 UniProtKB=O43314,HUMAN HGNC=9141 UniProtKB=Q15126,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=24822 UniProtKB=Q9H479,HUMAN HGNC=2850 UniProtKB=Q9Y6T7	kinase activity
GO:0043484	HUMAN HGNC=27424 UniProtKB=Q5T481,HUMAN HGNC=5043 UniProtKB=P31942,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=347 UniProtKB=Q09666	regulation of RNA splicing
GO:0017053	HUMAN HGNC=29989 UniProtKB=Q86YP4	transcription repressor complex
GO:0046033	HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=469 UniProtKB=Q01433,HUMAN HGNC=291 UniProtKB=P30566	AMP metabolic process
GO:1901224	HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=3157 UniProtKB=Q92838	positive regulation of NIK/NF-kappaB signaling
GO:0005925	HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=13200 UniProtKB=Q15942,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=6513 UniProtKB=Q14847,HUMAN HGNC=11845 UniProtKB=Q9Y490,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=15447 UniProtKB=Q9Y4G6,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=11767 UniProtKB=O43294,HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=9069 UniProtKB=Q15149,HUMAN HGNC=6040 UniProtKB=Q13418	focal adhesion
GO:0006624	HUMAN HGNC=9472 UniProtKB=Q99538	vacuolar protein processing

GO:003250	6	HUMAN HGNC=535 UniProtKB=P50995	cytokinetic process
GO:000469	3	HUMAN HGNC=24224 UniProtKB=Q9NYV4 HUMAN HGNC=29158 UniProtKB=Q9Y2G9,HUMAN HGNC=20635  UniProtKB=Q14997,HUMAN HGNC=7133 UniProtKB=O14686,HUMAN HGNC=10760 UniProtKB=Q01105,HUMAN HGNC=7640 UniProtKB=Q99733,HUMAN HGNC=42937 UniProtKB=P0DME0,HUMAN HGNC=13726 UniProtKB=Q8NEZ4,HUMAN HGNC=7910 UniProtKB=P06748,HUMAN HGNC=24358 UniProtKB=Q9H2G4 HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=12841  UniProtKB=P07947,HUMAN HGNC=29884 UniProtKB=Q8TF42,HUMAN HGNC=6735 UniProtKB=P07948,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=2209 UniProtKB=P20908,HUMAN HGNC=1692 UniProtKB=P08962,HUMAN HGNC=6529 UniProtKB=Q13094,HUMAN HGNC=19296 UniProtKB=Q9UF33,HUMAN HGNC=15878 UniProtKB=Q9NQ75,HUMAN HGNC=10840 UniProtKB=P29353,HUMAN HGNC=7178 UniProtKB=Q13201,HUMAN HGNC=6091 UniProtKB=P06213 HUMAN HGNC=7687 UniProtKB=O00483,HUMAN HGNC=7421 UniProtKB=P00403,HUMAN HGNC=3482 UniProtKB=P38117,HUMAN HGNC=2267 UniProtKB=P20674 HUMAN HGNC=30167 UniProtKB=P13667,HUMAN HGNC=30178  UniProtKB=Q9Y570,HUMAN HGNC=16369 UniProtKB=Q99497,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=8548 UniProtKB=P07237,HUMAN HGNC=8988 UniProtKB=Q13526,HUMAN HGNC=4606 UniProtKB=P30101,HUMAN HGNC=3531 UniProtKB=P00488,HUMAN HGNC=6737 UniProtKB=O75608,HUMAN HGNC=9756 UniProtKB=O00391,HUMAN HGNC=14683 UniProtKB=Q9Y2G5,HUMAN HGNC=26664 UniProtKB=Q8N841,HUMAN HGNC=8127 UniProtKB=O15294,HUMAN HGNC=18039 UniProtKB=Q9UGL1 HUMAN HGNC=20040 UniProtKB=Q01518,HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=9944 UniProtKB=P35241,HUMAN HGNC=13200 UniProtKB=Q15942,HUMAN HGNC=12691 UniProtKB=P15311,HUMAN HGNC=8765 UniProtKB=O75340,HUMAN HGNC=29827 UniProtKB=O14950,HUMAN HGNC=11767 UniProtKB=O43294,HUMAN HGNC=9581 UniProtKB=Q9H939,HUMAN HGNC=12736 UniProtKB=O43516,HUMAN HGNC=706 UniProtKB=O15145,HUMAN HGNC=11873 UniProtKB=Q9NYL9,HUMAN HGNC=16701 UniProtKB=P19105,HUMAN HGNC=3382 UniProtKB=Q08495,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=7373 UniProtKB=P26038,HUMAN HGNC=704 UniProtKB=O15143,HUMAN HGNC=15754 UniProtKB=P24844,HUMAN HGNC=22958 UniProtKB=Q9NR12,HUMAN HGNC=24636 UniProtKB=Q9UHB6,HUMAN HGNC=707 UniProtKB=P59998,HUMAN HGNC=708 UniProtKB=O15511 HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=4932 UniProtKB=P01889,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=12841 UniProtKB=	cyclin-dependent protein serine/threonine kinase activity
GO:004239	3		histone binding
GO:000716	9		transmembrane receptor protein tyrosine kinase signaling pathway
GO:000905	5		electron transfer activity
GO:014009	6		catalytic activity, acting on a protein
PC00041			actin or actin-binding cytoskeletal protein
GO:009747	8		leaflet of membrane bilayer

GO:000726  
9  
GO:003419  
8  
GO:000823  
4

neurotransmitter secretion  
cellular response to amino  
acid starvation  
cysteine-type peptidase  
activity

	MAN HGNC=2482 UniProtKB=P04080,HUMAN HGNC=4248 UniProtKB=Q92820	
GO:000640		
1	HUMAN HGNC=30646 UniProtKB=Q7KZF4	RNA catabolic process
GO:003018		
3	HUMAN HGNC=11491 UniProtKB=P43405	B cell differentiation
	HUMAN HGNC=15750 UniProtKB=P60981,HUMAN HGNC=17780	
GO:004887	UniProtKB=Q562R1,HUMAN HGNC=18271 UniProtKB=Q8N8S7,HUMAN HGNC=1874 UniProtKB=P23528	cell motility
0		cellular monovalent inorganic cation homeostasis
GO:003000	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709	
4	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	synaptic transmission, glutamatergic
GO:003524		
9	HUMAN HGNC=11891 UniProtKB=P05452,HUMAN HGNC=3153 UniProtKB=Q16610	bone mineralization
GO:003028		
2	HUMAN HGNC=16695 UniProtKB=P51572,HUMAN HGNC=20726 UniProtKB=Q8WVM8,HUMAN HGNC=2230 UniProtKB=P53621,HUMAN HGNC=21354 UniProtKB=Q86XR7,HUMAN HGNC=24251 UniProtKB=Q9Y3A6,HUMAN HGNC=2231 UniProtKB=P53618,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=16998 UniProtKB=P49755,HUMAN HGNC=649 UniProtKB=P48444,HUMAN HGNC=2232 UniProtKB=P35606,HUMAN HGNC=16996 UniProtKB=Q15363,HUMAN HGNC=24878 UniProtKB=Q9BVK6	endoplasmic reticulum to Golgi vesicle-mediated transport
GO:000688		
8	HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=6407 UniProtKB=P01116,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=667 UniProtKB=P61586,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=9840 UniProtKB=P11234,HUMAN HGNC=9381 UniProtKB=P22694,HUMAN HGNC=678 UniProtKB=P52565,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=669 UniProtKB=P08134,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=10447 UniProtKB=P10301,HUMAN HGNC=11231 UniProtKB=Q8WXF7,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=655 UniProtKB=P18085,HUMAN HGNC=24526 UniProtKB=Q6DD88,HUMAN HGNC=10011 UniProtKB=Q15382,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=2153 UniProtKB=Q9NQW8,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=4234 UniProtKB=P55040	purine nucleotide binding
GO:001707		
6		
GO:000382		
4	HUMAN HGNC=4312 UniProtKB=P48507	catalytic activity

GO:014035 2	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709	export from cell
GO:190255 4	HUMAN HGNC=8927 UniProtKB=Q93100 HUMAN HGNC=13109 UniProtKB=P17038,HUMAN HGNC=13061 UniProtKB=Q14587,HUMAN HGNC=18411 UniProtKB=Q3KNW1,HUMAN HGNC=23708 UniProtKB=Q6ZR52,HUMAN HGNC=9349 UniProtKB=Q9NQX1,HUMAN HGNC=12879 UniProtKB=P21506,HUMAN HGNC=29416 UniProtKB=Q5T7W0,HUMAN HGNC=13506 UniProtKB=Q8TBJ5	serine/threonine protein kinase complex
PC00248	HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=15912 UniProtKB=Q9UNZ2,HUMAN HGNC=29125 UniProtKB=Q9UQ16	C2H2 zinc finger transcription factor
GO:006102 5	HUMAN HGNC=10989 UniProtKB=Q00325,HUMAN HGNC=19375 UniProtKB=Q9BV35	membrane fusion mitochondrial carrier protein
PC00158 GO:003235 5	HUMAN HGNC=533 UniProtKB=P04083	response to estradiol
GO:000670 6	HUMAN HGNC=613 UniProtKB=P02649	steroid catabolic process
GO:006054 8	HUMAN HGNC=28771 UniProtKB=Q9BVC6	negative regulation of cell death
GO:004426 0	HUMAN HGNC=25153 UniProtKB=Q96EY5 HUMAN HGNC=23151 UniProtKB=Q86UX7,HUMAN HGNC=3778 UniProtKB=P02751,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=11845 UniProtKB=Q9Y490,HUMAN HGNC=15447 UniProtKB=Q9Y4G6	cellular macromolecule metabolic process
GO:000517 8	HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=20771 UniProtKB=P68371	integrin binding
PC00228	HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=2678 UniProtKB=P14868,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=16219 UniProtKB=Q8TEA8,HUMAN HGNC=12729 UniProtKB=P23381	tubulin
GO:000639 9	HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=9093 UniProtKB=P55058	tRNA metabolic process
GO:005078 9		regulation of biological process
GO:000816 8	HUMAN HGNC=24550 UniProtKB=Q9H8H3	
GO:000524 4	HUMAN HGNC=12669 UniProtKB=P21796,HUMAN HGNC=12674 UniProtKB=Q9Y277,HUMAN HGNC=12672 UniProtKB=P45880	methyltransferase activity voltage-gated ion channel activity
GO:000565 6	HUMAN HGNC=26200 UniProtKB=Q9H668	nuclear pre-replicative complex
GO:002284 3	HUMAN HGNC=16768 UniProtKB=O60391 HUMAN HGNC=8533 UniProtKB=P51575,HUMAN HGNC=2153 UniProtKB=Q9NQW8,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=850 UniProtKB=P48047	voltage-gated cation channel activity
GO:000526 1	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=7863 UniProtKB=Q13423,HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=8891 UniProtKB=P52209,HUMAN HGNC=8903 UniProtKB=O95336,HUMAN HGNC=255 UniProtKB=P28332	cation channel activity
GO:000609 1		generation of precursor metabolites and energy

GO:0015276	HUMAN HGNC=8533 UniProtKB=P51575,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=2153 UniProtKB=Q9NQW8,HUMAN HGNC=16768 UniProtKB=O60391	ligand-gated ion channel activity
GO:0032210	HUMAN HGNC=5048 UniProtKB=Q00839	regulation of telomere maintenance via telomerase
GO:0016607	HUMAN HGNC=5048 UniProtKB=Q00839	nuclear speck
GO:0004722	HUMAN HGNC=19388 UniProtKB=P49593,HUMAN HGNC=9302 UniProtKB=P30153,HUMAN HGNC=9314 UniProtKB=Q08209,HUMAN HGNC=9281 UniProtKB=P62136	protein serine/threonine phosphatase activity
GO:0042035	HUMAN HGNC=6517 UniProtKB=P18428	regulation of cytokine biosynthetic process
GO:0016667	HUMAN HGNC=2898 UniProtKB=P09622,HUMAN HGNC=28477 UniProtKB=Q8NBM8,HUMAN HGNC=9756 UniProtKB=O00391,HUMAN HGNC=7377 UniProtKB=Q9UJ68	oxidoreductase activity, acting on a sulfur group of donors
GO:1901566	HUMAN HGNC=30244 UniProtKB=Q6P1A2,HUMAN HGNC=2689 UniProtKB=P09172	organonitrogen compound biosynthetic process
GO:0008630	HUMAN HGNC=992 UniProtKB=Q07817	intrinsic apoptotic signaling pathway in response to DNA damage
GO:0031122	HUMAN HGNC=1090 UniProtKB=Q03001	cytoplasmic microtubule organization
GO:0030686	HUMAN HGNC=12755 UniProtKB=Q9UNX4	90S preribosome
GO:0006006	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=12009 UniProtKB=P60174,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=18985 UniProtKB=Q7Z4W1	glucose metabolic process
GO:1901137	HUMAN HGNC=12009 UniProtKB=P60174	carbohydrate derivative biosynthetic process
GO:0017112	HUMAN HGNC=24748 UniProtKB=Q68D51,HUMAN HGNC=6766 UniProtKB=Q8WYG6,HUMAN HGNC=10542 UniProtKB=O95248	Rab guanyl-nucleotide exchange factor activity
GO:0061462	HUMAN HGNC=1406 UniProtKB=Q9Y698	protein localization to lysosome
GO:0090407	HUMAN HGNC=29035 UniProtKB=O43314,HUMAN HGNC=12009 UniProtKB=P60174	organophosphate biosynthetic process
GO:0009060	HUMAN HGNC=12582 UniProtKB=P14927,HUMAN HGNC=12590 UniProtKB=P07919	aerobic respiration
GO:0035235	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=16768 UniProtKB=O60391,HUMAN HGNC=14294 UniProtKB=Q9BYB0	ionotropic glutamate receptor signaling pathway
GO:0005777	HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=119 UniProtKB=Q15067	peroxisome
GO:0072376	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=1324 UniProtKB=POCOL5,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=2367 UniProtKB=P02741,HUMAN HGNC=5606 UniProtKB=	protein activation cascade

	B=P01763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=3662 UniProtKB=P02675,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=3531 UniProtKB=P00488,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860,HUMAN HGNC=584 UniProtKB=P02743	
GO:0090092	HUMAN HGNC=11766 UniProtKB=P01137	regulation of transmembrane receptor protein serine/threonine kinase signaling pathway
GO:0032970	HUMAN HGNC=21230 UniProtKB=Q9P1F3	regulation of actin filament-based process
GO:0050801	HUMAN HGNC=1869 UniProtKB=P11597,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	ion homeostasis
GO:0000122	HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=29989 UniProtKB=Q86YP4,HUMAN HGNC=7967 UniProtKB=Q96RI1,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=12879 UniProtKB=P21506,HUMAN HGNC=16804 UniProtKB=O00308	negative regulation of transcription by RNA polymerase II
GO:0033218	HUMAN HGNC=9093 UniProtKB=P55058	amide binding
GO:0007091	HUMAN HGNC=15713 UniProtKB=Q9UJX4,HUMAN HGNC=12401 UniProtKB=P33981,HUMAN HGNC=14452 UniProtKB=Q9NYG5	metaphase/anaphase transition of mitotic cell cycle
GO:0048856	HUMAN HGNC=11219 UniProtKB=P09486	anatomical structure development
GO:0022853	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=813 UniProtKB=Q93084,HUMAN HGNC=851 UniProtKB=P38606,HUMAN H	active ion transmembrane transporter activity

	GNC=806 UniProtKB=P54709,HUMAN HGNC=812 UniProtKB=P16615	
GO:0019882	HUMAN HGNC=4932 UniProtKB=P01889 HUMAN HGNC=6528 UniProtKB=P13796,HUMAN HGNC=27937 UniProtKB=Q6ZVH7,HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=3382 UniProtKB=Q08495,HUMAN HGNC=8881 UniProtKB=P07737,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=24636 UniProtKB=Q9UHB6	antigen processing and presentation
GO:0051017	HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=2905 UniProtKB=O14490,HUMAN HGNC=13406 UniProtKB=Q9Y6V0	actin filament bundle assembly
GO:0098978		glutamatergic synapse
GO:1901136	HUMAN HGNC=4456 UniProtKB=P43304	carbohydrate derivative catabolic process
GO:0044419	HUMAN HGNC=16276 UniProtKB=Q9C035,HUMAN HGNC=25153 UniProtKB=Q96EY5	interspecies interaction between organisms
GO:0030016	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=347 UniProtKB=Q09666 HUMAN HGNC=29585 UniProtKB=Q8N6V9,HUMAN HGNC=12010 UniProtKB=P09493,HUMAN HGNC=12012 UniProtKB=P06753,HUMAN HGNC=12013 UniProtKB=P67936,HUMAN HGNC=12011 UniProtKB=P07951	myofibril
PC00040		actin binding motor protein
GO:0017046	HUMAN HGNC=10608 UniProtKB=P47872,HUMAN HGNC=6091 UniProtKB=P06213	peptide hormone binding
GO:0043025	HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=11138 UniProtKB=P37840	neuronal cell body
GO:0006970	HUMAN HGNC=21696 UniProtKB=Q9Y3Q8	response to osmotic stress
GO:0043149	HUMAN HGNC=667 UniProtKB=P61586	stress fiber assembly
GO:0048489	HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16	synaptic vesicle transport
GO:0005262	HUMAN HGNC=23526 UniProtKB=Q8NE86,HUMAN HGNC=544 UniProtKB=P08133 HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317,HUMAN HGNC=14294 UniProtKB=Q9BYB0	calcium channel activity
GO:0060998	HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401	regulation of dendritic spine development
GO:0045910	HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=9857 UniProtKB=P61224	negative regulation of DNA recombination
GO:0046928	HUMAN HGNC=4045 UniProtKB=O75084,HUMAN HGNC=11119 UniProtKB=Q99835	regulation of neurotransmitter secretion
GO:0035567		non-canonical Wnt signaling pathway
GO:0035329	HUMAN HGNC=20250 UniProtKB=Q96IF1 HUMAN HGNC=6137 UniProtKB=P17301,HUMAN HGNC=6156 UniProtKB=P05106,HUMAN HGNC=6138 UniProtKB=P08514,HUMAN HGNC=6153 UniProtKB=P05556,HUMAN HGNC=6149 UniProtKB=P11215,HUMAN HGNC=6142 UniProtKB=P23229	hippo signaling
PC00126	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=6561 UniProtKB=P09382,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=6631 UniProtKB=P49257	integrin
GO:0030246		carbohydrate binding

GO:009752		
6	HUMAN HGNC=17259 UniProtKB=Q9Y4Z0	spliceosomal tri-snRNP complex
GO:000004	HUMAN HGNC=26022 UniProtKB=Q7LOY3,HUMAN Gene=EIF2S3L	
9	UniProtKB=Q2VIR3	tRNA binding
GO:004280	HUMAN HGNC=29943 UniProtKB=Q9NT68,HUMAN HGNC=992 UniProtKB=Q07817,HUMAN HGNC=16276 UniProtKB=Q9C035	protein homodimerization activity
3		production of molecular mediator of immune response
GO:000244		
0	HUMAN HGNC=16961 UniProtKB=Q15762	inorganic anion transmembrane transporter activity
GO:001510	HUMAN HGNC=12669 UniProtKB=P21796,HUMAN HGNC=12674 UniProtKB=Q9Y277,HUMAN HGNC=12672 UniProtKB=P45880	
3	HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776,HUMAN HGNC=29953 UniProtKB=Q8WWZ8	neutrophil migration
GO:199026		active transmembrane transporter activity
6		
GO:002280	HUMAN HGNC=55 UniProtKB=O15439,HUMAN HGNC=14637 UniProtKB=Q86UK0	
4		
GO:009956	HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=13406 UniProtKB=Q9Y6V0	cytoplasmic region
8	HUMAN HGNC=5171 UniProtKB=P02790,HUMAN HGNC=7176 UniProtKB=P14780,HUMAN HGNC=3602 UniProtKB=Q9UBX5,HUMAN HGNC=11771 UniProtKB=Q15582,HUMAN HGNC=15855 UniProtKB=Q9NPY3	extracellular matrix organization
GO:003019		
8	HUMAN HGNC=7694 UniProtKB=O14561,HUMAN HGNC=18344 UniProtKB=Q9BX68,HUMAN HGNC=118 UniProtKB=Q99798,HUMAN HGNC=16753 UniProtKB=P30041,HUMAN HGNC=17865 UniProtKB=Q96A26,HUMAN HGNC=5382 UniProtKB=O75874,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=2328 UniProtKB=P50416,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=4433 UniProtKB=P00505,HUMAN HGNC=363 UniProtKB=P27144,HUMAN HGNC=3951 UniProtKB=Q16595,HUMAN HGNC=2873 UniProtKB=P00387,HUMAN HGNC=24808 UniProtKB=O14545,HUMAN HGNC=12585 UniProtKB=P31930,HUMAN HGNC=6984 UniProtKB=P23368,HUMAN HGNC=12388 UniProtKB=Q16762,HUMAN HGNC=3151 UniProtKB=P30084,HUMAN HGNC=13397 UniProtKB=Q9UHQ9,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=29890 UniProtKB=Q86UT6,HUMAN HGNC=13206 UniProtKB=O60296,HUMAN HGNC=9772 UniProtKB=Q13637,HUMAN HGNC=28883 UniProtKB=Q9H2U2,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=8527 UniProtKB=P55809,HUMAN HGNC=94 UniProtKB=Q9BWD1,HUMAN HGNC=17376 UniProtKB=Q9UIJ7,HUMAN HGNC=4335 UniProtKB=P00367,HUMAN HGNC=7223 UniProtKB=P25325,HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=11179 UniProtKB=P00441,HUMAN HGNC=4922 UniProtKB=P19367,HUMAN HGNC=1050 UniProtKB=P55957,HUMAN HGNC=5381 UniProtKB=P14735,HUMAN HGNC=117 UniProtKB=P21399,HUMAN HGNC=871 UniProtKB=Q9UII2,HUMAN HGNC=362 UniProtKB=P54819,HUMAN HGNC=4456 UniProtKB=P43304,HUMAN HGNC=92 UniProtKB=P49748,HUMAN HGNC=5386 UniProtKB=P51553	mitochondrion
GO:000573		
9	HUMAN HGNC=4116 UniProtKB=Q14376,HUMAN HGNC=9959 UniProtKB=P51606	epimerase/racemase
PC00096		

GO:0005604	HUMAN HGNC=2209 UniProtKB=P20908,HUMAN HGNC=12601 UniProtKB=O75445	basement membrane
GO:0070555	HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=10632 UniProtKB=P13501	response to interleukin-1
GO:0044283	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=12009 UniProtKB=P60174	small molecule biosynthetic process
GO:0005977	HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=9725 UniProtKB=P06737	glycogen metabolic process
GO:0061134	HUMAN HGNC=20635 UniProtKB=Q14997	peptidase regulator activity
GO:0070979	HUMAN HGNC=12488 UniProtKB=P68036,HUMAN HGNC=15713 UniProtKB=Q9UJX4	protein K11-linked ubiquitination
GO:0055088	HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=119 UniProtKB=Q15067	lipid homeostasis
GO:0046475	HUMAN HGNC=13921 UniProtKB=O95870	glycerophospholipid catabolic process
	HUMAN HGNC=28450 UniProtKB=Q8NC44,HUMAN HGNC=4045 UniProtKB=O75084,HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=19176 UniProtKB=Q96DZ9,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=11119 UniProtKB=Q99835,HUMAN HGNC=9087 UniProtKB=Q04941	integral component of membrane
GO:0016021		endoplasmic reticulum lumen
GO:0005788	HUMAN Gene=SEP15 UniProtKB=O60613,HUMAN HGNC=5238 UniProtKB=P11021	
GO:0070997	HUMAN HGNC=11138 UniProtKB=P37840	neuron death
	HUMAN HGNC=14685 UniProtKB=Q9Y624,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=11828 UniProtKB=Q9UDY2,HUMAN HGNC=11283 UniProtKB=P12931	cell development
GO:0048468		
GO:0030239	HUMAN HGNC=11873 UniProtKB=Q9NYL9,HUMAN HGNC=3750 UniProtKB=Q13045	myofibril assembly
GO:0043269	HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=11512 UniProtKB=Q9H2B2	regulation of ion transport
	HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=10608 UniProtKB=P47872,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=4390 UniProtKB=P50148	adenylate cyclase-modulating G protein-coupled receptor signaling pathway
GO:0007188	HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=20040 UniProtKB=Q01518,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=10608 UniProtKB=P47872,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=4390 UniProtKB=P50148	cAMP-mediated signaling
GO:0019933	HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=2678 UniProtKB=P14868,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=12729 UniProtKB=P23381	aminoacyl-tRNA synthetase
PC00047		
GO:0015370	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=11034 UniProtKB=Q2Y0W8	solute:sodium symporter activity
GO:0007586	HUMAN HGNC=14685 UniProtKB=Q9Y624,HUMAN HGNC=11756 UniProtKB=Q03403	digestion

GO:0032418	HUMAN HGNC=11491 UniProtKB=P43405 HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=29158 UniProtKB=Q9Y2G9,HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=12738 UniProtKB=Q969T9,HUMAN HGNC=4719 UniProtKB=P16401	lysosome localization chromatin DNA binding
GO:0032438	HUMAN HGNC=9772 UniProtKB=Q13637	melanosome organization
GO:0016810	HUMAN HGNC=794 UniProtKB=P31939,HUMAN HGNC=226 UniProtKB=P78563,HUMAN HGNC=469 UniProtKB=Q01433	hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds
GO:0016052	HUMAN HGNC=4116 UniProtKB=Q14376	carbohydrate catabolic process
GO:0007219	HUMAN HGNC=188 UniProtKB=O14672,HUMAN HGNC=16272 UniProtKB=Q96JK9 HUMAN HGNC=15476 UniProtKB=P63167,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=16053 UniProtKB=Q8N1V2,HUMAN HGNC=20908 UniProtKB=Q86YF9,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=25631 UniProtKB=Q96MT7,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=29262 UniProtKB=Q9P2H3,HUMAN HGNC=7729 UniProtKB=Q15019	Notch signaling pathway
GO:1905349	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709	ciliary transition zone assembly
GO:0006875	HUMAN HGNC=30178 UniProtKB=Q9Y570,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=6737 UniProtKB=O75608,HUMAN HGNC=16219 UniProtKB=Q8TEA8,HUMAN HGNC=8903 UniProtKB=O95336	cellular metal ion homeostasis
GO:0052689	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=4555 UniProtKB=P22352,HUMAN HGNC=9355 UniProtKB=P30044,HUMAN HGNC=4553 UniProtKB=P07203,HUMAN HGNC=4823 UniProtKB=P69905,HUMAN HGNC=4829 UniProtKB=P02042,HUMAN HGNC=9352 UniProtKB=Q06830,HUMAN HGNC=25153 UniProtKB=Q96EY5,HUMAN HGNC=4827 UniProtKB=P68871,HUMAN HGNC=7900 UniProtKB=P55786,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=9353 UniProtKB=P32119,HUMAN HGNC=4831 UniProtKB=P69891,HUMAN HGNC=1516 UniProtKB=P04040,HUMAN HGNC=13420 UniProtKB=Q86TP1,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=18173 UniProtKB=Q9NZ08,HUMAN HGNC=255 UniProtKB=P28332	carboxylic ester hydrolase activity
GO:0044248	HUMAN HGNC=2720 UniProtKB=Q9ULH1,HUMAN HGNC=6111 UniProtKB=Q13576,HUMAN HGNC=25361 UniProtKB=Q8N264,HUMAN HGNC=17102 UniProtKB=Q92619,HUMAN HGNC=4390 UniProtKB=P50148,HUMAN HGNC=10701 UniProtKB=Q15436,HUMAN HGNC=18423 UniProtKB=O75140,HUMAN HGNC=25694 UniProtKB=Q8TC07,HUMAN HGNC=29351 UniProtKB=Q9COH5,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=12363 UniProtKB=P49815,HUMAN HGNC=17073 UniProtKB=Q9UNA1,HUMAN HGNC=25571 UniProtKB=Q9NVG8,HUMAN HGNC=21035 UniProtKB=Q8N392	cellular catabolic process
GO:0005096	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=18173 UniProtKB=Q9NZ08,HUMAN HGNC=255 UniProtKB=P28332	GTPase activator activity
GO:0008037	HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=18173 UniProtKB=Q9NZ08,HUMAN HGNC=255 UniProtKB=P28332	cell recognition

	NC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=29557 UniProtKB=Q0ZGT2,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860	
GO:0097373	HUMAN HGNC=26200 UniProtKB=Q9H668	MCM core complex
GO:0032040	HUMAN HGNC=12755 UniProtKB=Q9UNX4	small-subunit processome
GO:0009893	HUMAN HGNC=613 UniProtKB=P02649	positive regulation of metabolic process
GO:0072655	HUMAN HGNC=26801 UniProtKB=Q8N8Q8	establishment of protein localization to mitochondrion
GO:0051240	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=9065 UniProtKB=P19174	positive regulation of multicellular organismal process
GO:0005905	HUMAN HGNC=24634 UniProtKB=Q9UBC2,HUMAN HGNC=3419 UniProtKB=P42566,HUMAN HGNC=561 UniProtKB=O95782	clathrin-coated pit
PC00085	HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=3383 UniProtKB=P27105,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=9070 UniProtKB=P08567,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=7729 UniProtKB=Q15019	cytoskeletal protein

GO:000862		epsilon DNA polymerase
2	HUMAN HGNC=26200 UniProtKB=Q9H668	complex
GO:190126		carbohydrate derivative
4	HUMAN HGNC=30220 UniProtKB=Q96AA3	transport
GO:001622		
6	HUMAN HGNC=3951 UniProtKB=Q16595	iron-sulfur cluster assembly
	HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=12458 UniProtKB=P62987,HUMAN HGNC=12468 UniProtKB=P0CG48,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=2552 UniProtKB=Q13617,HUMAN HGNC=5240 UniProtKB=P48741,HUMAN HGNC=2551 UniProtKB=Q13616,HUMAN HGNC=7732 UniProtKB=Q15843,HUMAN HGNC=12463 UniProtKB=P0CG47	ubiquitin protein ligase binding
GO:003162		
5	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 UniProtKB=Q15691,HUMAN HGNC=28959 UniProtKB=Q14008	microtubule plus-end
GO:003537		
1	HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=11512 UniProtKB=Q9H2B2	signal release
GO:002306		regulation of muscle contraction
1		
GO:000693		mitochondrial membrane organization
7	HUMAN HGNC=544 UniProtKB=P08133	cellular iron ion homeostasis
GO:000700		
6	HUMAN HGNC=26801 UniProtKB=Q8N8Q8	
GO:000687		
9	HUMAN HGNC=3951 UniProtKB=Q16595,HUMAN HGNC=11763 UniProtKB=P02786	
	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=17955 UniProtKB=O43504,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=15606 UniProtKB=Q9UHA4	membrane raft
GO:004512		
1		
GO:000586		
8	HUMAN HGNC=15476 UniProtKB=P63167	cytoplasmic dynein complex
GO:000373		
0	HUMAN HGNC=17150 UniProtKB=Q9Y2V2,HUMAN HGNC=21539 UniProtKB=Q9BX46,HUMAN HGNC=17860 UniProtKB=Q8NC51	mRNA 3'-UTR binding
GO:004240		
7	HUMAN HGNC=6047 UniProtKB=Q16891	cristae formation
GO:004593		positive regulation of mitotic cell cycle
1	HUMAN HGNC=533 UniProtKB=P04083	
	HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=24634 UniProtKB=Q9UBC2,HUMAN HGNC=2092 UniProtKB=Q00610,HUMAN HGNC=3419 UniProtKB=P42566	membrane coat
GO:003011		regulation of biological quality
7		
GO:006500		proton-transporting ATP synthase complex
8	HUMAN Gene=EIF2S3L UniProtKB=Q2VIR3	actomyosin structure organization
GO:004525		attachment of mitotic spindle microtubules to kinetochore
9	HUMAN HGNC=833 UniProtKB=P36542	intermediate filament binding protein
GO:003103		response to peptide hormone
2	HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=1738 UniProtKB=Q9Y5S2	leukocyte activation
		involved in immune response
GO:005131		
5	HUMAN HGNC=5048 UniProtKB=Q00839	
	HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=9069 UniProtKB=Q15149	
PC00130		
GO:004343		
4	HUMAN HGNC=8601 UniProtKB=Q06141,HUMAN HGNC=533 UniProtKB=P04083	
GO:000236		
6	HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=6517 UniProtKB=P18428	

GO:004232		regulation of
5	HUMAN HGNC=2288 UniProtKB=P14406	phosphorylation
GO:200124		regulation of intrinsic
2	HUMAN HGNC=1050 UniProtKB=P55957	apoptotic signaling pathway
GO:000092	HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=14906	
2	UniProtKB=Q8N4C6	spindle pole
	HUMAN HGNC=5753 UniProtKB=P01593,HUMAN HGNC=5739 UniProtKB=A0A075B6S9,HUMAN HGNC=5879 UniProtKB=P01699,HUMAN HGNC=5825 UniProtKB=A0A0C4DH25,HUMAN HGNC=5800 UniProtKB=A0A075B6S2,HUMAN HGNC=5880 UniProtKB=P01700,HUMAN HGNC=5905 UniProtKB=P80748,HUMAN HGNC=5742 UniProtKB=A0A0C4DH72,HUMAN HGNC=5756 UniProtKB=P04432,HUMAN HGNC=5896 UniProtKB=P01715,HUMAN HGNC=5816 UniProtKB=P01624,HUMAN Gene=KV311_HUMAN UniProtKB=P04433,HUMAN HGNC=5910 UniProtKB=P01718,HUMAN HGNC=5931 UniProtKB=A0A075B6I0,HUMAN HGNC=5735 UniProtKB=A0A075B6S5,HUMAN HGNC=5933 UniProtKB=A0A0B4J1Y8,HUMAN HGNC=5877 UniProtKB=P01703,HUMAN HGNC=5785 UniProtKB=P06310,HUMAN HGNC=5834 UniProtKB=P06312,HUMAN HGNC=5836 UniProtKB=A0A0C4DH24,HUMAN HGNC=5895 UniProtKB=P01709,HUMAN HGNC=5898 UniProtKB=A0A075B6K2,HUMAN HGNC=5887 UniProtKB=P01706,HUMAN HGNC=5929 UniProtKB=P04211,HUMAN HGNC=5882 UniProtKB=P01701,HUMAN HGNC=5890 UniProtKB=P01705,HUMAN HGNC=5732 UniProtKB=P04430,HUMAN HGNC=5759 UniProtKB=A0A087WSZ0,HUMAN HGNC=5733 UniProtKB=P01599,HUMAN HGNC=5908 UniProtKB=P01717,HUMAN HGNC=5746 UniProtKB=P01611,HUMAN HGNC=5821 UniProtKB=A0A075B6H7,HUMAN HGNC=5888 UniProtKB=P01704,HUMAN HGNC=5889 UniProtKB=A0A075B6J9,HUMAN HGNC=5927 UniProtKB=P01721,HUMAN HGNC=5897 UniProtKB=A0A075B6K4,HUMAN HGNC=5741 UniProtKB=P01602,HUMAN HGNC=5730 UniProtKB=A0A0C4DH73,HUMAN HGNC=5918 UniProtKB=A0A075B6K5,HUMAN HGNC=5817 UniProtKB=P01619,HUMAN HGNC=5781 UniProtKB=A0A0C4DH68,HUMAN HGNC=5783 UniProtKB=A0A075B6P5,HUMAN HGNC=5930 UniProtKB=A0A075B6I9,HUMAN HGNC=5901 UniProtKB=A0A075B6K0,HUMAN HGNC=5743 UniProtKB=A0A0C4DH67	
GO:000237		immunoglobulin production
7	HUMAN HGNC=12347 UniProtKB=Q9Y4A5,HUMAN HGNC=18807	transcription coregulator
GO:000371	UniProtKB=O94983,HUMAN HGNC=11767 UniProtKB=O43294	activity
2	HUMAN HGNC=1101 UniProtKB=P51587,HUMAN HGNC=9813 UniProtKB=P54727	damaged DNA-binding protein
PC00086		
GO:000449		
7	HUMAN HGNC=2689 UniProtKB=P09172	monooxygenase activity
GO:000920		ribonucleoside triphosphate
1	HUMAN HGNC=2520 UniProtKB=Q9NRF8	biosynthetic process
GO:000028		
1	HUMAN HGNC=10252 UniProtKB=O75116	mitotic cytokinesis
		positive regulation of
GO:000270		leukocyte mediated
5	HUMAN HGNC=11491 UniProtKB=P43405	immunity
	HUMAN HGNC=10719 UniProtKB=Q13228,HUMAN HGNC=21245	
PC00090	UniProtKB=Q6UXB8	defense/immunity protein
GO:000489	HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=19100	
6	UniProtKB=Q5VWK5	cytokine receptor activity

GO:190532			telomere-telomerase
4	HUMAN HGNC=5048 UniProtKB=Q00839		complex assembly
	HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=167 UniProtKB=P61163,HUMAN HGNC=169 UniProtKB=P61160,HUMAN HGNC=143 UniProtKB=P68032,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=170 UniProtKB=P61158,HUMAN HGNC=144 UniProtKB=P63261		actin and actin related protein
PC00039	HUMAN HGNC=333 UniProtKB=P01019,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=8583 UniProtKB=P05121,HUMAN HGNC=3311 UniProtKB=P30740,HUMAN HGNC=8948 UniProtKB=P29622,HUMAN HGNC=1546 UniProtKB=P50454,HUMAN HGNC=8941 UniProtKB=P01009,HUMAN HGNC=1540 UniProtKB=P08185,HUMAN HGNC=8824 UniProtKB=P36955,HUMAN HGNC=8942 UniProtKB=P48595,HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=4838 UniProtKB=P05546,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=16 UniProtKB=P01011,HUMAN HGNC=775 UniProtKB=P01008,HUMAN HGNC=1228 UniProtKB=P05155,HUMAN HGNC=9075 UniProtKB=P08697,HUMAN HGNC=11583 UniProtKB=P05543,HUMAN HGNC=8955 UniProtKB=P50453		
GO:001095			negative regulation of endopeptidase activity
1			
GO:200125	HUMAN HGNC=23077 UniProtKB=Q96FW1,HUMAN HGNC=5048 UniProtKB=Q00839		negative regulation of chromosome organization
1			
GO:000809			DNA-dependent ATPase activity
4	HUMAN HGNC=7326 UniProtKB=P20585		
GO:199077			protein localization to cell periphery
8	HUMAN HGNC=1406 UniProtKB=Q9Y698		
GO:000636			transcription by RNA polymerase I
0	HUMAN HGNC=25758 UniProtKB=Q8TED0		
			transcription regulatory region sequence-specific DNA binding
GO:000097	HUMAN HGNC=9885 UniProtKB=P29374,HUMAN HGNC=10774 UniProtKB=P23246,HUMAN HGNC=10055 UniProtKB=Q8N5U6		
6			
GO:000034			THO complex
7	HUMAN HGNC=19072 UniProtKB=Q96J01		
	HUMAN HGNC=122 UniProtKB=P24666,HUMAN HGNC=9300 UniProtKB=P62714,HUMAN HGNC=9635 UniProtKB=Q12974,HUMAN HGNC=9658 UniProtKB=P29350,HUMAN HGNC=19388 UniProtKB=P49593,HUMAN HGNC=9666 UniProtKB=P08575,HUMAN HGNC=9299 UniProtKB=P67775,HUMAN HGNC=9314 UniProtKB=Q08209,HUMAN HGNC=9673 UniProtKB=Q12913,HUMAN HGNC=9304 UniProtKB=P63151,HUMAN HGNC=9281 UniProtKB=P62136		protein phosphatase calcium channel regulator activity
PC00195			
GO:000524	HUMAN HGNC=4234 UniProtKB=P55040		
6			
GO:001635			dendrite development
8	HUMAN HGNC=6835 UniProtKB=P78559		
	HUMAN HGNC=20471 UniProtKB=O95777,HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=5043 UniProtKB=P31942,HUMAN HGNC=17259 UniProtKB=Q9Y4Z0		RNA splicing factor
PC00148			regulation of intracellular pH
GO:005145	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=11027 UniProtKB=P02730,HUMAN HGNC=11034 UniProtKB=Q2Y0W8		
3	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0,HUMAN HGNC=30377 UniProtKB=Q14160		ionotropic glutamate receptor complex
GO:000832			
8			

GO:0032587	HUMAN HGNC=21295 UniProtKB=Q8TE68 HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=655 UniProtKB=P18085	ruffle membrane
PC00020	HUMAN HGNC=1736 UniProtKB=P60953,HUMAN HGNC=11138 UniProtKB=P37840	G-protein
GO:0050808		synapse organization
GO:0006515	HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=15663 UniProtKB=Q9NYU2	protein quality control for misfolded or incompletely synthesized proteins
GO:0008374	HUMAN HGNC=6522 UniProtKB=P04180,HUMAN HGNC=30244 UniProtKB=Q6P1A2,HUMAN HGNC=2328 UniProtKB=P50416	O-acyltransferase activity
GO:0045277	HUMAN HGNC=7687 UniProtKB=O00483,HUMAN HGNC=2265 UniProtKB=P13073,HUMAN HGNC=2267 UniProtKB=P20674	respiratory chain complex IV
GO:0044853	HUMAN HGNC=10690 UniProtKB=O95810,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=243 UniProtKB=P35611	plasma membrane raft
GO:0071013	HUMAN HGNC=29513 UniProtKB=O60306,HUMAN HGNC=5048 UniProtKB=Q00839	catalytic step 2 spliceosome
GO:0006122	HUMAN HGNC=12582 UniProtKB=P14927,HUMAN HGNC=12590 UniProtKB=P07919,HUMAN HGNC=19986 UniProtKB=P99999	mitochondrial electron transport, ubiquinol to cytochrome c
GO:0030512	HUMAN HGNC=23688 UniProtKB=Q86UU0	negative regulation of transforming growth factor beta receptor signaling pathway
GO:0008016	HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	regulation of heart contraction
GO:0006415	HUMAN HGNC=4622 UniProtKB=Q8IYD1,HUMAN HGNC=4621 UniProtKB=P15170	translational termination
GO:0003678	HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=20473 UniProtKB=Q9BX63,HUMAN HGNC=10475 UniProtKB=Q9Y230	DNA helicase activity
GO:0016407	HUMAN HGNC=94 UniProtKB=Q9BWD1	acetyltransferase activity
GO:0007005	HUMAN HGNC=3951 UniProtKB=Q16595,HUMAN HGNC=24808 UniProtKB=O14545,HUMAN HGNC=2288 UniProtKB=P14406,HUMAN HGNC=23594 UniProtKB=Q709C8	mitochondrion organization
GO:0008289	HUMAN HGNC=25268 UniProtKB=Q96LR9,HUMAN HGNC=9922 UniProtKB=P02753,HUMAN HGNC=607 UniProtKB=P02654,HUMAN HGNC=317 UniProtKB=P02771,HUMAN HGNC=618 UniProtKB=O14791,HUMAN HGNC=121 UniProtKB=O15254,HUMAN HGNC=119 UniProtKB=Q15067	lipid binding
GO:1990542	HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=23526 UniProtKB=Q8NE86,HUMAN HGNC=830 UniProtKB=P06576,HUMAN HGNC=850 UniProtKB=P48047	mitochondrial transmembrane transport
GO:0031056	HUMAN HGNC=23077 UniProtKB=Q96FW1	regulation of histone modification
GO:0005911	HUMAN HGNC=6616 UniProtKB=P48059,HUMAN HGNC=3048 UniProtKB=Q02413	cell-cell junction
GO:0006636	HUMAN HGNC=533 UniProtKB=P04083	unsaturated fatty acid biosynthetic process
GO:0031330	HUMAN HGNC=11820 UniProtKB=P01033	negative regulation of cellular catabolic process

GO:007084	7	HUMAN HGNC=11957 UniProtKB=Q93074	core mediator complex
GO:000289	1	HUMAN HGNC=16961 UniProtKB=Q15762	positive regulation of immunoglobulin mediated immune response
GO:000854	1	HUMAN HGNC=9556 UniProtKB=O00231	proteasome regulatory particle, lid subcomplex
		HUMAN HGNC=3530 UniProtKB=P00748,HUMAN HGNC=3531 UniProtKB=P00488,HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=13937 UniProtKB=O95866,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=12726 UniProtKB=P04275,HUMAN HGNC=2300 UniProtKB=Q96IY4	blood coagulation
GO:000759	6	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=24552 UniProtKB=Q3LXA3,HUMAN HGNC=4922 UniProtKB=P19367,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=2850 UniProtKB=Q9Y6T7	phosphotransferase activity, alcohol group as acceptor
GO:001677	3		positive regulation of transcription elongation from RNA polymerase II promoter
GO:003296	8	HUMAN HGNC=11617 UniProtKB=Q15369	
		HUMAN HGNC=1623 UniProtKB=P50990,HUMAN HGNC=1617 UniProtKB=P50991,HUMAN HGNC=1622 UniProtKB=Q99832,HUMAN HGNC=30167 UniProtKB=P13667,HUMAN HGNC=4926 UniProtKB=O15212,HUMAN HGNC=1455 UniProtKB=P27797,HUMAN HGNC=1735 UniProtKB=Q16543,HUMAN HGNC=11582 UniProtKB=Q15813,HUMAN HGNC=8548 UniProtKB=P07237,HUMAN HGNC=1473 UniProtKB=P27824,HUMAN HGNC=11579 UniProtKB=O75347,HUMAN HGNC=4606 UniProtKB=P30101,HUMAN HGNC=1615 UniProtKB=P78371,HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=5253 UniProtKB=P07900,HUMAN HGNC=11655 UniProtKB=P17987,HUMAN HGNC=1618 UniProtKB=P48643,HUMAN HGNC=5258 UniProtKB=P08238,HUMAN HGNC=1620 UniProtKB=P40227,HUMAN HGNC=12028 UniProtKB=P14625,HUMAN HGNC=32153 UniProtKB=A6NM43,HUMAN HGNC=9756 UniProtKB=O00391,HUMAN HGNC=30535 UniProtKB=Q8WVJ2	protein folding
GO:000645	7		cellular modified amino acid metabolic process
GO:000657	5	HUMAN HGNC=2328 UniProtKB=P50416,HUMAN HGNC=13921 UniProtKB=O95870	cell-cell adhesion via plasma-membrane adhesion molecules
GO:009874	2	HUMAN HGNC=29943 UniProtKB=Q9NT68,HUMAN HGNC=8823 UniProtKB=P16284,HUMAN HGNC=15902 UniProtKB=Q8IXH8,HUMAN HGNC=14265 UniProtKB=Q86UP0	secondary active transmembrane transporter activity
GO:001529	1	HUMAN HGNC=23526 UniProtKB=Q8NE86,HUMAN HGNC=10989 UniProtKB=Q00325	
		HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776	chemokine receptor binding
GO:004237	9	HUMAN HGNC=33704 UniProtKB=Q66K66,HUMAN HGNC=13206 UniProtKB=O60296,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=570 UniProtKB=P53677,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=30138 UniProtKB=Q8N131	cytoplasmic vesicle
GO:003141	0		

GO:0000463	HUMAN HGNC=10363 UniProtKB=P18124	maturation of LSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA)
GO:0006839	HUMAN HGNC=26801 UniProtKB=Q8N8Q8	mitochondrial transport
PC00221	HUMAN HGNC=11834 UniProtKB=P29401	transketolase
GO:0000775	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	chromosome, centromeric region
GO:0008380	HUMAN HGNC=27424 UniProtKB=Q5T481,HUMAN HGNC=5043 UniProtKB=P31942,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=347 UniProtKB=Q09666	RNA splicing
GO:0031982	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=8044 UniProtKB=P80303,HUMAN HGNC=2478 UniProtKB=Q15828,HUMAN HGNC=11937 UniProtKB=P32970,HUMAN HGNC=10499 UniProtKB=P06702,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=28883 UniProtKB=Q9H2U2,HUMAN HGNC=5240 UniProtKB=P48741,HUMAN HGNC=21295 UniProtKB=Q8TE68,HUMAN HGNC=8043 UniProtKB=Q02818	vesicle
GO:0044262	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=29035 UniProtKB=O43314,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=6050 UniProtKB=P29218	cellular carbohydrate metabolic process
GO:0043043	HUMAN HGNC=4312 UniProtKB=P48507	peptide biosynthetic process
GO:0051276	HUMAN HGNC=7326 UniProtKB=P20585	chromosome organization
GO:0005085	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=17955 UniProtKB=O43504,HUMAN HGNC=3208 UniProtKB=P24534,HUMAN HGNC=3211 UniProtKB=P29692	guanyl-nucleotide exchange factor activity
GO:0017049	HUMAN HGNC=10252 UniProtKB=O75116	GTP-Rho binding
GO:0055082	HUMAN HGNC=4922 UniProtKB=P19367	cellular chemical homeostasis
GO:0030336	HUMAN HGNC=9862 UniProtKB=P61225,HUMAN HGNC=7178 UniProtKB=Q13201	negative regulation of cell migration
GO:0030126	HUMAN HGNC=2230 UniProtKB=P53621,HUMAN HGNC=2231 UniProtKB=P53618,HUMAN HGNC=649 UniProtKB=P48444,HUMAN HGNC=2232 UniProtKB=P35606	COPI vesicle coat
GO:0031110	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 UniProtKB=Q15691,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=6510 UniProtKB=P16949	regulation of microtubule polymerization or depolymerization
GO:1902275	HUMAN HGNC=5048 UniProtKB=Q00839	regulation of chromatin organization
GO:0016192	HUMAN HGNC=654 UniProtKB=P61204,HUMAN HGNC=692 UniProtKB=P40616,HUMAN HGNC=652 UniProtKB=P84077,HUMAN HGNC=4226 UniProtKB=P31150,HUMAN HGNC=575 UniProtKB=Q9Y587,HUMAN HGNC=658 UniProtKB=P84085,HUMAN HGNC=4227 UniProtKB=P50395,HUMAN HGNC=655 UniProtKB=P18085,HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=659 UniProtKB=P62330,HUMAN HGNC=13667 UniProtKB=Q9BXS5,HUMAN HGNC=1365 UniProtKB=Q9UGQ2,HUMAN HGNC=554 UniProtKB=Q10567	vesicle-mediated transport

GO:001646 2	HUMAN HGNC=13420 UniProtKB=Q86TP1,HUMAN HGNC=28883 UniProtKB=Q9H2U2,HUMAN HGNC=8052 UniProtKB=Q9UKK9	pyrophosphatase activity
GO:006028 5	HUMAN HGNC=25631 UniProtKB=Q96MT7 HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=626 UniProtKB=P07741,HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=9386 UniProtKB=Q9UGJ0	cilium-dependent cell motility
GO:004316 9	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=10632 UniProtKB=P13501,HUMAN HGNC=1681 UniProtKB=P16070,HUMAN HGNC=5141 UniProtKB=P00738,HUMAN HGNC=3309 UniProtKB=P08246,HUMAN HGNC=9240 UniProtKB=P02775,HUMAN HGNC=7967 UniProtKB=Q96R11,HUMAN HGNC=8862 UniProtKB=P10720,HUMAN HGNC=8861 UniProtKB=P02776,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=5156 UniProtKB=P00739,HUMAN HGNC=6517 UniProtKB=P18428	cation binding
GO:000695 4		inflammatory response
GO:004595 4	HUMAN HGNC=16961 UniProtKB=Q15762 HUMAN HGNC=16695 UniProtKB=P51572,HUMAN HGNC=1801 UniProtKB=O95674,HUMAN HGNC=26212 UniProtKB=P61009,HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=1455 UniProtKB=P27797,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=15999 UniProtKB=Q9NZV5,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=1473 UniProtKB=P27824,HUMAN HGNC=12648 UniProtKB=Q9P0L0,HUMAN HGNC=30220 UniProtKB=Q96AA3	positive regulation of natural killer cell mediated cytotoxicity
GO:000578 9	HUMAN HGNC=9086 UniProtKB=P60201,HUMAN HGNC=6925 UniProtKB=P02686	endoplasmic reticulum membrane
PC00161	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=11446 UniProtKB=O00186,HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=11445 UniProtKB=Q15833,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN HGNC=12649 UniProtKB=O95292,HUMAN HGNC=649 UniProtKB=P48444,HUMAN HGNC=12648 UniProtKB=Q9P0L0,HUMAN HGNC=8016 UniProtKB=P46459	myelin protein
GO:005164 0		organelle localization
GO:003132 8	HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=6517 UniProtKB=P18428	positive regulation of cellular biosynthetic process
GO:004227 8	HUMAN HGNC=5157 UniProtKB=P00492	purine nucleoside metabolic process
GO:006096 8	HUMAN HGNC=20250 UniProtKB=Q96IF1 HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=2949 UniProtKB=Q8TD57,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=17060 UniProtKB=Q92845,HUMAN HGNC=30391 UniProtKB=Q9UG01,HUMAN HGNC=6325 UniProtKB=O60282,HUMAN HGNC=2952 UniProtKB=Q96JB1,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=16257 UniProtKB=Q9H4B7	regulation of gene silencing
GO:000587 4		microtubule

GO:0030073	HUMAN HGNC=533 UniProtKB=P04083 HUMAN HGNC=333 UniProtKB=P01019,HUMAN HGNC=20635 UniProtKB=Q14997,HUMAN HGNC=11092 UniProtKB=P03973,HUMAN HGNC=2482 UniProtKB=P04080,HUMAN HGNC=17943 UniProtKB=Q9GZP9,HUMAN HGNC=8824 UniProtKB=P36955,HUMAN HGNC=8942 UniProtKB=P48595,HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=775 UniProtKB=P01008,HUMAN HGNC=1228 UniProtKB=P05155,HUMAN HGNC=9075 UniProtKB=P08697,HUMAN HGNC=11583 UniProtKB=P05543,HUMAN HGNC=453 UniProtKB=P02760,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=8583 UniProtKB=P05121,HUMAN HGNC=3311 UniProtKB=P30740,HUMAN HGNC=8948 UniProtKB=P29622,HUMAN HGNC=9750 UniProtKB=P20742,HUMAN HGNC=1546 UniProtKB=P50454,HUMAN HGNC=8941 UniProtKB=P01009,HUMAN HGNC=1540 UniProtKB=P08185,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=4838 UniProtKB=P05546,HUMAN HGNC=16 UniProtKB=P01011,HUMAN HGNC=9568 UniProtKB=Q06323,HUMAN HGNC=8955 UniProtKB=P50453	insulin secretion
GO:0002020		protease binding
GO:0008171	HUMAN HGNC=8728 UniProtKB=P22061	O-methyltransferase activity
GO:0060627	HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=17643 UniProtKB=Q9HD26	regulation of vesicle-mediated transport
GO:0031497	HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401	chromatin assembly
GO:0007159	HUMAN HGNC=23151 UniProtKB=Q86UX7,HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=11491 UniProtKB=P43405,HUMAN HGNC=533 UniProtKB=P04083	leukocyte cell-cell adhesion
GO:0030837	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=243 UniProtKB=P35611,HUMAN HGNC=1488 UniProtKB=P52907,HUMAN HGNC=3750 UniProtKB=Q13045,HUMAN HGNC=1491 UniProtKB=P47756,HUMAN HGNC=15667 UniProtKB=P58546,HUMAN HGNC=11881 UniProtKB=P62328	negative regulation of actin filament polymerization
GO:0002376	HUMAN HGNC=8993 UniProtKB=P12273	immune system process
GO:0051129		negative regulation of cellular component organization
GO:0016836	HUMAN HGNC=25361 UniProtKB=Q8N264 HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=118 UniProtKB=Q99798,HUMAN HGNC=16369 UniProtKB=Q99497,HUMAN HGNC=4801 UniProtKB=P40939,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=395 UniProtKB=P13716,HUMAN HGNC=3151 UniProtKB=P30084,HUMAN HGNC=24175 UniProtKB=Q9P035,HUMAN HGNC=1368 UniProtKB=P00915,HUMAN HGNC=117 UniProtKB=P21399,HUMAN HGNC=3350 UniProtKB=P06733,HUMAN HGNC=3353 UniProtKB=P09104,HUMAN HGNC=9021 UniProtKB=P14618,HUMAN HGNC=3354 UniProtKB=P13929,HUMAN HGNC=1373 UniProtKB=P00918	hydro-lyase activity
GO:0042147	HUMAN HGNC=11172 UniProtKB=Q13596,HUMAN HGNC=9786 UniProtKB=P20340,HUMAN HGNC=14902 UniProtKB=Q9NRW1,HUMAN HGNC=13487 UniProtKB=Q96QK1	retrograde transport, endosome to Golgi

GO:0008045	HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000 HUMAN HGNC=28422 UniProtKB=Q8NCE0,HUMAN HGNC=24728 UniProtKB=A2RTX5,HUMAN HGNC=2678 UniProtKB=P14868,HUMAN HGNC=20 UniProtKB=P49588,HUMAN HGNC=4162 UniProtKB=P41250,HUMAN HGNC=11572 UniProtKB=P26639,HUMAN HGNC=16219 UniProtKB=Q8TEA8,HUMAN HGNC=12840 UniProtKB=P54577,HUMAN HGNC=12729 UniProtKB=P23381	motor neuron axon guidance
GO:0140101	HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=3157 UniProtKB=Q92838 HUMAN HGNC=33704 UniProtKB=Q66K66,HUMAN HGNC=4045 UniProtKB=O75084,HUMAN HGNC=23688 UniProtKB=Q86UU0,HUMAN HGNC=9275 UniProtKB=P35813,HUMAN HGNC=11119 UniProtKB=Q99835	catalytic activity, acting on a tRNA
GO:0038061	HUMAN HGNC=5241 UniProtKB=P11142,HUMAN HGNC=5269 UniProtKB=P61604,HUMAN HGNC=5239 UniProtKB=P17066,HUMAN HGNC=5238 UniProtKB=P11021,HUMAN HGNC=5270 UniProtKB=P25685,HUMAN HGNC=5240 UniProtKB=P48741,HUMAN HGNC=11343 UniProtKB=P50502	NIK/NF-kappaB signaling
GO:0060070	HUMAN HGNC=11030 UniProtKB=Q9Y6R1,HUMAN HGNC=11027 UniProtKB=P02730,HUMAN HGNC=11034 UniProtKB=Q2Y0W8 HUMAN HGNC=586 UniProtKB=P13798,HUMAN HGNC=333 UniProtKB=P01019,HUMAN HGNC=1247 UniProtKB=P09871,HUMAN HGNC=11092 UniProtKB=P03973,HUMAN HGNC=43788 UniProtKB=Q8NHM4,HUMAN HGNC=8824 UniProtKB=P36955,HUMAN HGNC=8942 UniProtKB=P48595,HUMAN HGNC=775 UniProtKB=P01008,HUMAN HGNC=1228 UniProtKB=P05155,HUMAN HGNC=9075 UniProtKB=P08697,HUMAN HGNC=5156 UniProtKB=P00739,HUMAN HGNC=6902 UniProtKB=O00187,HUMAN HGNC=11583 UniProtKB=P05543,HUMAN HGNC=453 UniProtKB=P02760,HUMAN HGNC=8583 UniProtKB=P05121,HUMAN HGNC=9495 UniProtKB=P24158,HUMAN HGNC=3311 UniProtKB=P30740,HUMAN HGNC=7380 UniProtKB=P26927,HUMAN HGNC=8948 UniProtKB=P29622,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=1546 UniProtKB=P50454,HUMAN HGNC=8941 UniProtKB=P01009,HUMAN HGNC=1540 UniProtKB=P08185,HUMAN HGNC=12016 UniProtKB=P29144,HUMAN HGNC=4798 UniProtKB=Q14520,HUMAN HGNC=3530 UniProtKB=P00748,HUMAN HGNC=5141 UniProtKB=P00738,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=4838 UniProtKB=P05546,HUMAN HGNC=3309 UniProtKB=P08246,HUMAN HGNC=21265 UniProtKB=Q9NZP8,HUMAN HGNC=16 UniProtKB=P01011,HUMAN HGNC=6901 UniProtKB=P48740,HUMAN HGNC=9071 UniProtKB=P00747,HUMAN HGNC=8955 UniProtKB=P50453	canonical Wnt signaling pathway
GO:0006458	HUMAN HGNC=8905 UniProtKB=P36871,HUMAN HGNC=2422 UniProtKB=O75390,HUMAN HGNC=10869 UniProtKB=Q92185 HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=13406 UniProtKB=Q9Y6V0,HUMAN HGNC=14294 UniProtKB=Q9BYB0	'de novo' protein folding
GO:0015711	HUMAN HGNC=9568 UniProtKB=Q06323	organic anion transport
GO:0004252	HUMAN HGNC=18039 UniProtKB=Q9UGL1	serine-type endopeptidase activity
GO:0005975		carbohydrate metabolic process
GO:0007416		synapse assembly
GO:0061136		regulation of proteasomal protein catabolic process
GO:0032451		demethylase activity

GO:0005978	HUMAN   HGNC=4699   UniProtKB=P46976 HUMAN   HGNC=910   UniProtKB=P25311, HUMAN   HGNC=4932   UniProtKB=P01889	glycogen biosynthetic process major histocompatibility complex protein
PC00149		
GO:0097731	HUMAN   HGNC=26555   UniProtKB=Q3SY00	9+0 non-motile cilium
GO:0043406	HUMAN   HGNC=8761   UniProtKB=Q9BUL8	positive regulation of MAP kinase activity
GO:0019897	HUMAN   HGNC=15902   UniProtKB=Q8IXH8, HUMAN   HGNC=6207   UniProtKB=P14923, HUMAN   HGNC=14265   UniProtKB=Q86UP0	extrinsic component of plasma membrane activation of cysteine-type endopeptidase activity involved in apoptotic process
GO:0006919	HUMAN   HGNC=1050   UniProtKB=P55957	positive regulation of protein secretion
GO:0050714	HUMAN   HGNC=1628   UniProtKB=P08571	hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides
GO:0016811	HUMAN   HGNC=25490   UniProtKB=Q96HA8, HUMAN   HGNC=735   UniProtKB=Q13510 HUMAN   HGNC=333   UniProtKB=P01019, HUMAN   HGNC=43788   UniProtKB=Q8NHM4, HUMAN   HGNC=2300   UniProtKB=Q96IY4, HUMAN   HGNC=8824   UniProtKB=P36955, HUMAN   HGNC=19986   UniProtKB=P99999, HUMAN   HGNC=7900   UniProtKB=P55786, HUMAN   HGNC=8942   UniProtKB=P48595, HUMAN   HGNC=3658   UniProtKB=Q9UGM5, HUMAN   HGNC=6383   UniProtKB=P01042, HUMAN   HGNC=20675   UniProtKB=Q96KN2, HUMAN   HGNC=775   UniProtKB=P01008, HUMAN   HGNC=1228   UniProtKB=P05155, HUMAN   HGNC=9758   UniProtKB=P62820, HUMAN   HGNC=9075   UniProtKB=P08697, HUMAN   HGNC=11583   UniProtKB=P05543, HUMAN   HGNC=8583   UniProtKB=P05121, HUMAN   HGNC=9495   UniProtKB=P24158, HUMAN   HGNC=3311   UniProtKB=P30740, HUMAN   HGNC=8993   UniProtKB=P12273, HUMAN   HGNC=8948   UniProtKB=P29622, HUMAN   HGNC=1546   UniProtKB=P50454, HUMAN   HGNC=8941   UniProtKB=P01009, HUMAN   HGNC=1540   UniProtKB=P08185, HUMAN   HGNC=4798   UniProtKB=Q14520, HUMAN   HGNC=24437   UniProtKB=Q96KP4, HUMAN   HGNC=1050   UniProtKB=P55957, HUMAN   HGNC=10569   UniProtKB=P29508, HUMAN   HGNC=1476   UniProtKB=P07384, HUMAN   HGNC=4838   UniProtKB=P05546, HUMAN   HGNC=3309   UniProtKB=P08246, HUMAN   HGNC=15722   UniProtKB=Q8WXQ8, HUMAN   HGNC=19388   UniProtKB=P49593, HUMAN   HGNC=16   UniProtKB=P01011, HUMAN   HGNC=18173   UniProtKB=Q9NZ08, HUMAN   HGNC=18370   UniProtKB=Q9H0U4, HUMAN   HGNC=8955   UniProtKB=P50453	
GO:0006508		proteolysis
GO:0006851	HUMAN   HGNC=23526   UniProtKB=Q8NE86	mitochondrial calcium ion transmembrane transport
GO:0035195	HUMAN   HGNC=29190   UniProtKB=Q9UPQ9, HUMAN   HGNC=20250   UniProtKB=Q96IF1	gene silencing by miRNA
GO:0007004	HUMAN   HGNC=5048   UniProtKB=Q00839	telomere maintenance via telomerase
GO:0051091	HUMAN   HGNC=30025   UniProtKB=Q5VV67	positive regulation of DNA-binding transcription factor activity

GO:0007193	HUMAN HGNC=237 UniProtKB=O43306	adenylate cyclase-inhibiting G protein-coupled receptor signaling pathway
GO:0048598	HUMAN HGNC=12652 UniProtKB=P50552,HUMAN HGNC=10252 UniProtKB=O75116	embryonic morphogenesis toll-like receptor 4 signaling pathway
GO:0034142	HUMAN HGNC=1628 UniProtKB=P08571 HUMAN HGNC=19985 UniProtKB=P53999,HUMAN HGNC=11957 UniProtKB=Q93074,HUMAN HGNC=7133 UniProtKB=O14686,HUMAN HGNC=17305 UniProtKB=Q9Y6J9,HUMAN HGNC=6207 UniProtKB=P14923,HUMAN HGNC=14451 UniProtKB=Q9BQK8,HUMAN HGNC=12738 UniProtKB=Q969T9,HUMAN HGNC=13726 UniProtKB=Q8NEZ4,HUMAN HGNC=16272 UniProtKB=Q96JK9	transcription coactivator activity
GO:0032797	HUMAN HGNC=30796 UniProtKB=Q9Y3F4 HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=533 UniProtKB=P04083	SMN complex regulation of cell shape
GO:0008360	HUMAN HGNC=1504 UniProtKB=P42574	erythrocyte differentiation
GO:0030218	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	regulation of synaptic plasticity
GO:0048167	HUMAN HGNC=453 UniProtKB=P02760,HUMAN HGNC=333 UniProtKB=P01019,HUMAN HGNC=8583 UniProtKB=P05121,HUMAN HGNC=3311 UniProtKB=P30740,HUMAN HGNC=8948 UniProtKB=P29622,HUMAN HGNC=11092 UniProtKB=P03973,HUMAN HGNC=1546 UniProtKB=P50454,HUMAN HGNC=8941 UniProtKB=P01009,HUMAN HGNC=1540 UniProtKB=P08185,HUMAN HGNC=8824 UniProtKB=P36955,HUMAN HGNC=8942 UniProtKB=P48595,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=4838 UniProtKB=P05546,HUMAN HGNC=16 UniProtKB=P01011,HUMAN HGNC=775 UniProtKB=P01008,HUMAN HGNC=1228 UniProtKB=P05155,HUMAN HGNC=9075 UniProtKB=P08697,HUMAN HGNC=11583 UniProtKB=P05543,HUMAN HGNC=8955 UniProtKB=P50453	serine-type endopeptidase inhibitor activity
GO:0004867	HUMAN HGNC=3579 UniProtKB=P16930	tyrosine metabolic process
GO:0006570	HUMAN HGNC=20250 UniProtKB=Q96IF1	response to hypoxia
GO:0011666	HUMAN HGNC=5461 UniProtKB=P78318	regulation of dephosphorylation
GO:0035303	HUMAN HGNC=11446 UniProtKB=O00186,HUMAN HGNC=11445 UniProtKB=Q15833,HUMAN HGNC=12644 UniProtKB=Q15836	syntaxin-1 binding
GO:0017075	HUMAN HGNC=6767 UniProtKB=Q15797	SMAD binding
GO:0046332	HUMAN HGNC=3757 UniProtKB=O75955 HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=17905 UniProtKB=Q9Y613,HUMAN HGNC=2252 UniProtKB=P31146,HUMAN HGNC=26161 UniProtKB=P57737,HUMAN HGNC=12010 UniProtKB=P09493,HUMAN HGNC=12012 UniProtKB=P06753,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=12013 UniProtKB=P67936,HUMAN HGNC=12011 UniProtKB=P07951,HUMAN HGNC=15878 UniProtKB=	regulation of cellular metabolic process actin filament organization
GO:0031323		
GO:0007015		

	=Q9NQ75,HUMAN HGNC=2254 UniProtKB=Q9ULV4,HUMAN HGNC=2253 UniProtKB=Q9BR76	
GO:0019731	HUMAN HGNC=11092 UniProtKB=P03973,HUMAN HGNC=2761 UniProtKB=P59665,HUMAN HGNC=11740 UniProtKB=P02787 HUMAN HGNC=10432 UniProtKB=P51812,HUMAN HGNC=30410 UniProtKB=Q9BXA6,HUMAN HGNC=19388 UniProtKB=P49593,HUMAN HGNC=28164 UniProtKB=Q96M27,HUMAN HGNC=19825 UniProtKB=Q6SA08,HUMAN HGNC=29884 UniProtKB=Q8TF42,HUMAN HGNC=9386 UniProtKB=Q9UGJ0,HUMAN HGNC=18673 UniProtKB=Q96JB5,HUMAN HGNC=24224 UniProtKB=Q9NYV4,HUMAN HGNC=18994 UniProtKB=Q8TDC3,HUMAN HGNC=11766 UniProtKB=P01137	antibacterial humoral response
GO:0006468		protein phosphorylation
GO:0005758	HUMAN HGNC=19986 UniProtKB=P99999 HUMAN HGNC=26486 UniProtKB=Q6PJW8,HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=4932 UniProtKB=P01889,HUMAN HGNC=10534 UniProtKB=Q9NR31,HUMAN HGNC=20250 UniProtKB=Q96IF1	mitochondrial intermembrane space
GO:0048522		positive regulation of cellular process
GO:0071108	HUMAN HGNC=23077 UniProtKB=Q96FW1,HUMAN HGNC=25648 UniProtKB=Q8N5J2	protein K48-linked deubiquitination
GO:0030971	HUMAN HGNC=10840 UniProtKB=P29353	receptor tyrosine kinase binding
GO:0008333	HUMAN HGNC=25153 UniProtKB=Q96EY5,HUMAN HGNC=9788 UniProtKB=P51149	endosome to lysosome transport
GO:0060170		ciliary membrane
PC00198	HUMAN HGNC=19747 UniProtKB=Q86UK5 HUMAN HGNC=24056 UniProtKB=Q8NHP1,HUMAN HGNC=1063 UniProtKB=P30043,HUMAN HGNC=1548 UniProtKB=P16152,HUMAN HGNC=5006 UniProtKB=P04035,HUMAN HGNC=2873 UniProtKB=P00387,HUMAN HGNC=7377 UniProtKB=Q9UJ68,HUMAN HGNC=13397 UniProtKB=Q9UHQ9,HUMAN HGNC=4376 UniProtKB=P36959,HUMAN HGNC=12582 UniProtKB=P14927,HUMAN HGNC=12590 UniProtKB=P07919,HUMAN HGNC=4623 UniProtKB=P00390,HUMAN HGNC=18985 UniProtKB=Q7Z4W1,HUMAN HGNC=380 UniProtKB=P14550 HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=4932 UniProtKB=P01889,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=199 UniProtKB=O43506,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=4244 UniProtKB=O00451,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=4243 UniProtKB=P56159,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=5657 UniProtKB=PODP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=5654 UniProtKB=P0182	reductase
GO:0009897		external side of plasma membrane

	5,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN HGNC=19100 UniProtKB=Q5VWK5,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=11763 UniProtKB=P02786,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=910 UniProtKB=P25311,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=5636 UniProtKB=A0A075B7B8,HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1,HUMAN HGNC=5581 UniProtKB=P01766,HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9,HUMAN HGNC=5652 UniProtKB=A0A075B6R2,HUMAN HGNC=5593 UniProtKB=P0DP02,HUMAN HGNC=5479 UniProtKB=P01877,HUMAN HGNC=5619 UniProtKB=A0A0C4DH42,HUMAN HGNC=5596 UniProtKB=P01772,HUMAN HGNC=5550 UniProtKB=P23083,HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8,HUMAN HGNC=5525 UniProtKB=P01857,HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7,HUMAN HGNC=16961 UniProtKB=Q15762,HUMAN HGNC=5601 UniProtKB=A0A0C4DH36,HUMAN HGNC=5716 UniProtKB=P01834,HUMAN HGNC=5588 UniProtKB=P01764,HUMAN HGNC=5857 UniProtKB=P0DOY3,HUMAN HGNC=5610 UniProtKB=P01767,HUMAN Ensembl=ENSG00000282150 UniProtKB=A0A0J9YY99,HUMAN HGNC=5527 UniProtKB=P01860	
GO:0097650	HUMAN HGNC=8898 UniProtKB=P07205	B axonemal microtubule
GO:0051225	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 UniProtKB=Q15691	spindle assembly
GO:0005622	HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=9392 UniProtKB=P31323	intracellular
PC00260	HUMAN HGNC=10432 UniProtKB=P51812,HUMAN HGNC=30178 UniProtKB=Q9Y570,HUMAN HGNC=8575 UniProtKB=P68402,HUMAN HGNC=8127 UniProtKB=O15294	protein modifying enzyme
GO:0007179	HUMAN HGNC=6767 UniProtKB=Q15797,HUMAN HGNC=23688 UniProtKB=Q86UU0,HUMAN HGNC=13200 UniProtKB=Q15942,HUMAN HGNC=11766 UniProtKB=P01137	transforming growth factor beta receptor signaling pathway mRNA polyadenylation factor
PC00146	HUMAN HGNC=9207 UniProtKB=Q9UFF9	
GO:1901888	HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=10252 UniProtKB=O75116	regulation of cell junction assembly
GO:0045582	HUMAN HGNC=533 UniProtKB=P04083	positive regulation of T cell differentiation
GO:0071417	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=9855 UniProtKB=P62834,HUMAN HGNC=17955 UniProtKB=O43504,HUMAN HGNC=9857 UniProtKB=P61224,HUMAN HGNC=15606 UniProtKB=Q9UHA4	cellular response to organonitrogen compound regulation of
GO:0060255	HUMAN HGNC=3757 UniProtKB=O75955	macromolecule metabolic process
GO:0016051	HUMAN HGNC=8898 UniProtKB=P07205,HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=12009 UniProtKB=P60174	carbohydrate biosynthetic process
GO:0051336	HUMAN HGNC=8087 UniProtKB=P29728	regulation of hydrolase activity

GO:190253		positive regulation of intracellular signal transduction
3	HUMAN HGNC=1050 UniProtKB=P55957	
GO:003049		
0	HUMAN HGNC=12755 UniProtKB=Q9UNX4	maturation of SSU-rRNA
	HUMAN HGNC=4624 UniProtKB=P48637,HUMAN HGNC=7900 UniProtKB=P55786,HUMAN HGNC=3537 UniProtKB=P25116,HUMAN HGNC=18173 UniProtKB=Q9NZ08	
GO:004227		peptide binding
7		
GO:003158		
9	HUMAN HGNC=12726 UniProtKB=P04275	cell-substrate adhesion
GO:004425	HUMAN HGNC=253 UniProtKB=P11766,HUMAN HGNC=251 UniProtKB=P00326,HUMAN HGNC=255 UniProtKB=P28332	cellular lipid metabolic process
5		
GO:004329		
6	HUMAN HGNC=16051 UniProtKB=Q8TEW0	apical junction complex
GO:000012	HUMAN HGNC=25473 UniProtKB=Q9P2N6,HUMAN HGNC=25544 UniProtKB=Q9HCI7	histone acetyltransferase complex
3		
GO:003020	HUMAN HGNC=24293 UniProtKB=Q70JA7,HUMAN HGNC=18144 UniProtKB=Q8IZU8	chondroitin sulfate metabolic process
4		
	HUMAN HGNC=6169 UniProtKB=Q14624,HUMAN HGNC=333 UniProtKB=P01019,HUMAN HGNC=11092 UniProtKB=P03973,HUMAN HGNC=2482 UniProtKB=P04080,HUMAN HGNC=8824 UniProtKB=P36955,HUMAN HGNC=8630 UniProtKB=P30086,HUMAN HGNC=620 UniProtKB=P05067,HUMAN HGNC=8942 UniProtKB=P48595,HUMAN HGNC=3658 UniProtKB=Q9UGM5,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=6383 UniProtKB=P01042,HUMAN HGNC=6167 UniProtKB=P19823,HUMAN HGNC=775 UniProtKB=P01008,HUMAN HGNC=1228 UniProtKB=P05155,HUMAN HGNC=9075 UniProtKB=P08697,HUMAN HGNC=21449 UniProtKB=Q86UX2,HUMAN HGNC=1324 UniProtKB=P0C0L5,HUMAN HGNC=1318 UniProtKB=P01024,HUMAN HGNC=21685 UniProtKB=Q6YHK3,HUMAN HGNC=11583 UniProtKB=P05543,HUMAN HGNC=1331 UniProtKB=P01031,HUMAN HGNC=8583 UniProtKB=P05121,HUMAN HGNC=3311 UniProtKB=P30740,HUMAN HGNC=8948 UniProtKB=P29622,HUMAN HGNC=9750 UniProtKB=P20742,HUMAN HGNC=1546 UniProtKB=P50454,HUMAN HGNC=598 UniProtKB=Q06481,HUMAN HGNC=8941 UniProtKB=P01009,HUMAN HGNC=1540 UniProtKB=P08185,HUMAN HGNC=10569 UniProtKB=P29508,HUMAN HGNC=4838 UniProtKB=P05546,HUMAN HGNC=6168 UniProtKB=Q06033,HUMAN HGNC=9571 UniProtKB=Q92530,HUMAN HGNC=16 UniProtKB=P01011,HUMAN HGNC=8955 UniProtKB=P50453	
PC00191	HUMAN HGNC=586 UniProtKB=P13798,HUMAN HGNC=1247 UniProtKB=P09871,HUMAN HGNC=43788 UniProtKB=Q8NHM4,HUMAN HGNC=2532 UniProtKB=P08311,HUMAN HGNC=3528 UniProtKB=P00742,HUMAN HGNC=5156 UniProtKB=P00739,HUMAN HGNC=6902 UniProtKB=O00187,HUMAN HGNC=3551 UniProtKB=P00740,HUMAN HGNC=9451 UniProtKB=P04070,HUMAN HGNC=9495 UniProtKB=P24158,HUMAN HGNC=7380 UniProtKB=P26927,HUMAN HGNC=9469 UniProtKB=O14668,HUMAN HGNC=8569 UniProtKB=P29122,HUMAN HGNC=913 UniProtKB=P20160,HUMAN HGNC=12016 UniProtKB=P29144,HUMAN HGNC=3465 UniProtKB=P10768,HUMAN HGNC=8738 UniProtKB=Q15113,HUMAN HGNC=4798 UniProtKB=Q14520,HUMAN HGNC=3530 UniProtKB=P00748,HUMAN HGNC=5141 UniProtKB=P00738,HUMAN HGNC=3309	protease inhibitor
PC00203		serine protease

	UniProtKB=P08246,HUMAN   HGNC=21265   UniProtKB=Q9NZP8,HUMAN   HGNC=13921   UniProtKB=O95870,HUMAN   HGNC=6901   UniProtKB=P48740,HUMAN   HGNC=9071   UniProtKB=P00747	
GO:0010824	HUMAN   HGNC=7910   UniProtKB=P06748	regulation of centrosome duplication
GO:0045727	HUMAN   HGNC=3300   UniProtKB=P63241,HUMAN   HGNC=1243   UniProtKB=Q07021,HUMAN   Gene=EIF2S3L   UniProtKB=Q2VIR3 HUMAN   HGNC=1459   UniProtKB=Q14012,HUMAN   HGNC=9414   UniProtKB=Q13976,HUMAN   HGNC=9406   UniProtKB=Q16513,HUMAN   HGNC=9380   UniProtKB=P17612,HUMAN   HGNC=12401   UniProtKB=P33981,HUMAN   HGNC=9381   UniProtKB=P22694,HUMAN   HGNC=9395   UniProtKB=P05771,HUMAN   HGNC=1745   UniProtKB=O00311	positive regulation of translation
GO:0018105		peptidyl-serine phosphorylation
GO:0030660	HUMAN   HGNC=25951   UniProtKB=Q6ULP2,HUMAN   HGNC=555   UniProtKB=O43747	Golgi-associated vesicle membrane
GO:0051897	HUMAN   HGNC=6091   UniProtKB=P06213	positive regulation of protein kinase B signaling
GO:0042274	HUMAN   HGNC=7910   UniProtKB=P06748	ribosomal small subunit biogenesis
GO:0051233	HUMAN   HGNC=6891   UniProtKB=Q15555,HUMAN   HGNC=6890   UniProtKB=Q15691	spindle midzone
GO:0099536	HUMAN   HGNC=20589   UniProtKB=Q9P0J7	synaptic signaling
GO:0003714	HUMAN   HGNC=30747   UniProtKB=P61201,HUMAN   HGNC=5270   UniProtKB=P25685,HUMAN   HGNC=5048   UniProtKB=Q00839,HUMAN   HGNC=20250   UniProtKB=Q96IF1 HUMAN   HGNC=19985   UniProtKB=P53999,HUMAN   HGNC=11957   UniProtKB=Q93074,HUMAN   HGNC=11617   UniProtKB=Q15369,HUMAN   HGNC=23074   UniProtKB=Q9NX70,HUMAN   HGNC=17305   UniProtKB=Q9Y6J9,HUMAN   HGNC=11619   UniProtKB=Q15370	transcription corepressor activity
PC00259		general transcription factor
GO:0060236	HUMAN   HGNC=5048   UniProtKB=Q00839	regulation of mitotic spindle organization
GO:0000963	HUMAN   HGNC=26022   UniProtKB=Q7L0Y3	mitochondrial RNA processing
GO:0036157	HUMAN   HGNC=8898   UniProtKB=P07205,HUMAN   HGNC=2952   UniProtKB=Q96JB1	outer dynein arm
GO:0006783	HUMAN   HGNC=871   UniProtKB=Q9UII2,HUMAN   HGNC=395   UniProtKB=P13716	heme biosynthetic process
GO:0017156	HUMAN   HGNC=11510   UniProtKB=Q8N9I0,HUMAN   HGNC=11512   UniProtKB=Q9H2B2	calcium-ion regulated exocytosis
GO:0005104	HUMAN   HGNC=15527   UniProtKB=Q86Z14	fibroblast growth factor receptor binding
GO:0008201	HUMAN   HGNC=2209   UniProtKB=P20908,HUMAN   HGNC=11085   UniProtKB=O75093	heparin binding
GO:0002696	HUMAN   HGNC=6517   UniProtKB=P18428,HUMAN   HGNC=16961   UniProtKB=Q15762	positive regulation of leukocyte activation
GO:0005518	HUMAN   HGNC=6153   UniProtKB=P05556,HUMAN   HGNC=11219   UniProtKB=P09486	collagen binding
GO:0071011	HUMAN   HGNC=20471   UniProtKB=Q95777,HUMAN   HGNC=6038   UniProtKB=Q12906	precatalytic spliceosome
GO:0022839	HUMAN   HGNC=22222   UniProtKB=Q9C0H2	ion gated channel activity
GO:0042981	HUMAN   HGNC=6766   UniProtKB=Q8WXG6,HUMAN   HGNC=7850   UniProtKB=P22392	regulation of apoptotic process

GO:001062		positive regulation of gene expression
8	HUMAN HGNC=27424 UniProtKB=Q5T481	
GO:0005272	HUMAN HGNC=10594 UniProtKB=Q01118,HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	sodium channel activity
GO:0010518	HUMAN HGNC=4381 UniProtKB=Q14344	positive regulation of phospholipase activity
	HUMAN HGNC=9786 UniProtKB=P20340,HUMAN HGNC=2230 UniProtKB=P53621,HUMAN HGNC=14902 UniProtKB=Q9NRW1,HUMAN HGNC=649 UniProtKB=P48444,HUMAN HGNC=2232 UniProtKB=P35606	retrograde vesicle-mediated transport, Golgi to endoplasmic reticulum
GO:0006890		urogenital system development
GO:0001655	HUMAN HGNC=533 UniProtKB=P04083	
	HUMAN HGNC=3616 UniProtKB=P12318,HUMAN HGNC=5 UniProtKB=P04217,HUMAN HGNC=8823 UniProtKB=P16284,HUMAN HGNC=3611 UniProtKB=P30273,HUMAN HGNC=8968 UniProtKB=P01833,HUMAN HGNC=1704 UniProtKB=Q9UIB8,HUMAN HGNC=14388 UniProtKB=Q9HCN6,HUMAN HGNC=20434 UniProtKB=Q86YW5	immunoglobulin receptor superfamily
PC00124	HUMAN HGNC=12407 UniProtKB=P68366,HUMAN HGNC=2712 UniProtKB=Q13561,HUMAN HGNC=12410 UniProtKB=Q9NY65,HUMAN HGNC=12666 UniProtKB=P55072,HUMAN HGNC=20778 UniProtKB=P07437,HUMAN HGNC=28959 UniProtKB=Q14008,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=20766 UniProtKB=Q71U36,HUMAN HGNC=20774 UniProtKB=P04350,HUMAN HGNC=18673 UniProtKB=Q96JB5,HUMAN HGNC=20771 UniProtKB=P68371,HUMAN HGNC=20063 UniProtKB=Q86T82,HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=9847 UniProtKB=P43487,HUMAN HGNC=9308 UniProtKB=Q15257,HUMAN HGNC=16257 UniProtKB=Q9H4B7,HUMAN HGNC=9568 UniProtKB=Q06323,HUMAN HGNC=7547 UniProtKB=P10243,HUMAN HGNC=2092 UniProtKB=Q00610	mitotic nuclear division
GO:0140014		
GO:0017016	HUMAN HGNC=9847 UniProtKB=P43487	Ras GTPase binding
GO:0038202	HUMAN HGNC=17955 UniProtKB=O43504	TORC1 signaling
	HUMAN HGNC=31797 UniProtKB=P0C7V6,HUMAN HGNC=7106 UniProtKB=P54252,HUMAN HGNC=10760 UniProtKB=Q01105,HUMAN HGNC=7640 UniProtKB=Q99733,HUMAN HGNC=1859 UniProtKB=Q9BV73,HUMAN HGNC=42937 UniProtKB=P0DME0,HUMAN HGNC=24358 UniProtKB=Q9H2G4	chromatin/chromatin-binding, or -regulatory protein
PC00077		
GO:0050661	HUMAN HGNC=7863 UniProtKB=Q13423,HUMAN HGNC=8891 UniProtKB=P52209	NADP binding
	HUMAN HGNC=5269 UniProtKB=P61604,HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=10519 UniProtKB=Q9NZJ4,HUMAN HGNC=4926 UniProtKB=O15212,HUMAN HGNC=1735 UniProtKB=Q16543,HUMAN HGNC=5270 UniProtKB=P25685	chaperone binding
GO:0051087		fatty acid biosynthetic process
GO:0006633	HUMAN HGNC=24175 UniProtKB=Q9P035	
GO:0005765	HUMAN HGNC=6499 UniProtKB=P11279,HUMAN HGNC=6501 UniProtKB=P13473,HUMAN HGNC=25564 UniProtKB=Q9NVJ2	lysosomal membrane
GO:0030162	HUMAN HGNC=7732 UniProtKB=Q15843	regulation of proteolysis
GO:0006334	HUMAN HGNC=4747 UniProtKB=P58876,HUMAN HGNC=4750 UniProtKB=Q99879,HUMAN HGNC=13954 UniProtKB=O60814,HUMAN HGNC=13954 UniProtKB=O60814,HUMAN HGNC=13954 UniProtKB=O60814	nucleosome assembly

	MAN HGNC=4762 UniProtKB=P57053,HUMAN HGNC=4746 UniProtKB=P62807,HUMAN HGNC=20514 UniProtKB=Q8N257,HUMAN HGNC=4755 UniProtKB=Q93079,HUMAN HGNC=7640 UniProtKB=Q99733,HUMAN HGNC=24700 UniProtKB=Q5QNW6,HUMAN HGNC=4749 UniProtKB=Q99877	
GO:0002250	HUMAN HGNC=6171 UniProtKB=Q08881,HUMAN HGNC=11491 UniProtKB=P43405	adaptive immune response
GO:0046777	HUMAN HGNC=6171 UniProtKB=Q08881,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=12841 UniProtKB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=6735 UniProtKB=P07948	protein autophosphorylation
GO:0031201	HUMAN HGNC=11442 UniProtKB=O15400,HUMAN HGNC=7641 UniProtKB=P54920,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=12644 UniProtKB=Q15836,HUMAN HGNC=11131 UniProtKB=O00161,HUMAN HGNC=12647 UniProtKB=Q9BV40	SNARE complex
GO:2000311	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	regulation of AMPA receptor activity
GO:0060348	HUMAN HGNC=13937 UniProtKB=O95866,HUMAN HGNC=544 UniProtKB=P08133,HUMAN HGNC=11283 UniProtKB=P12931	bone development
PC00032	HUMAN HGNC=18018 UniProtKB=Q8IX18,HUMAN HGNC=15861 UniProtKB=Q9H5Z1,HUMAN HGNC=17196 UniProtKB=Q8NG08	RNA helicase
GO:0006952	HUMAN HGNC=11364 UniProtKB=P40763	defense response
PC00182	HUMAN HGNC=9308 UniProtKB=Q15257	phosphatase activator
	HUMAN HGNC=23168 UniProtKB=Q8IYD8,HUMAN HGNC=10898 UniProtKB=Q15477,HUMAN HGNC=7127 UniProtKB=P40692,HUMAN HGNC=19246 UniProtKB=Q9NYB0,HUMAN HGNC=9969 UniProtKB=P35251,HUMAN HGNC=14060 UniProtKB=Q9UBZ9,HUMAN HGNC=7326 UniProtKB=P20585,HUMAN HGNC=17177 UniProtKB=Q8IUI8,HUMAN HGNC=11317 UniProtKB=Q04837	DNA metabolism protein
GO:0007019	HUMAN HGNC=6835 UniProtKB=P78559,HUMAN HGNC=6510 UniProtKB=P16949	microtubule depolymerization
GO:0030163	HUMAN HGNC=6501 UniProtKB=P13473,HUMAN HGNC=11820 UniProtKB=P01033,HUMAN HGNC=6737 UniProtKB=O75608,HUMAN HGNC=613 UniProtKB=P02649	protein catabolic process
GO:0033554	HUMAN HGNC=17169 UniProtKB=Q13162,HUMAN HGNC=5046 UniProtKB=P52272	cellular response to stress
GO:1990719	HUMAN HGNC=8898 UniProtKB=P07205	C1 axonemal microtubule
GO:0042110	HUMAN HGNC=5261 UniProtKB=P10809	T cell activation
GO:0009755	HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=3964 UniProtKB=P01225,HUMAN HGNC=16452 UniProtKB=P0DN86,HUMAN HGNC=16721 UniProtKB=A6NKQ9	hormone-mediated signaling pathway
GO:0005254	HUMAN HGNC=2062 UniProtKB=O00299,HUMAN HGNC=25240 UniProtKB=Q4KMQ2,HUMAN HGNC=13518 UniProtKB=Q9Y696,HUMAN HGNC=22222 UniProtKB=Q9C0H2	chloride channel activity
GO:0046883	HUMAN HGNC=533 UniProtKB=P04083	regulation of hormone secretion
GO:0046578	HUMAN HGNC=6766 UniProtKB=Q8WVG6	regulation of Ras protein signal transduction
GO:0042391	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	regulation of membrane potential

GO:006040

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HUMAN|HGNC=23526|UniProtKB=Q8NE86  
HUMAN|HGNC=5575|UniProtKB=A0A0B4J1V2,HUMAN|HGNC=93  
91|UniProtKB=P13861,HUMAN|HGNC=9112|UniProtKB=Q6P1K2,  
HUMAN|HGNC=9414|UniProtKB=Q13976,HUMAN|HGNC=5645|U  
niProtKB=A0A0C4DH34,HUMAN|HGNC=5549|UniProtKB=A0A0C4  
DH31,HUMAN|HGNC=5554|UniProtKB=P01743,HUMAN|HGNC=9  
411|UniProtKB=P14314,HUMAN|HGNC=9392|UniProtKB=P31323,  
HUMAN|HGNC=5480|UniProtKB=P01880,HUMAN|HGNC=5659|U  
niProtKB=A0A0C4DH38,HUMAN|HGNC=5634|UniProtKB=A0A075B  
7F0,HUMAN|HGNC=23845|UniProtKB=Q8IY92,HUMAN|HGNC=48  
31|UniProtKB=P69891,HUMAN|HGNC=38476|UniProtKB=B9A064,  
HUMAN|HGNC=11358|UniProtKB=O75886,HUMAN|HGNC=11126  
|UniProtKB=P53814,HUMAN|HGNC=5861|UniProtKB=A0M8Q6,H  
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ProtKB=A0A087WSY4,HUMAN|HGNC=5563|UniProtKB=A0A075B7  
D0,HUMAN|HGNC=5856|UniProtKB=P0DOY2,HUMAN|HGNC=560  
6|UniProtKB=P01763,HUMAN|HGNC=2067|UniProtKB=O00151,H  
UMAN|HGNC=4622|UniProtKB=Q8IYD1,HUMAN|HGNC=4621|Uni  
ProtKB=P15170,HUMAN|HGNC=5576|UniProtKB=P01817,HUMAN  
|HGNC=5528|UniProtKB=P01861,HUMAN|HGNC=5541|UniProtKB  
=P01871,HUMAN|Gene=EIF2S3L|UniProtKB=Q2VIR3,HUMAN|HG  
NC=5585|UniProtKB=A0A0C4DH32,HUMAN|HGNC=2678|UniProtK  
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GO:003299

1

cytosolic calcium ion  
transport

protein-containing complex

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1	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	lymphocyte proliferation
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GO:0010942	HUMAN HGNC=5141 UniProtKB=P00738,HUMAN HGNC=5156 UniProtKB=P00739	positive regulation of cell death
GO:0031011	HUMAN HGNC=10474 UniProtKB=Q9Y265,HUMAN HGNC=10475 UniProtKB=Q9Y230	Ino80 complex
GO:0043066	HUMAN HGNC=613 UniProtKB=P02649	negative regulation of apoptotic process
GO:0015871	HUMAN HGNC=17292 UniProtKB=Q8IWA5	choline transport
GO:0071014	HUMAN HGNC=5046 UniProtKB=P52272	post-mRNA release
	HUMAN HGNC=12822 UniProtKB=Q9NQW7,HUMAN HGNC=9545 UniProtKB=P28062,HUMAN HGNC=9533 UniProtKB=P25789,HUMAN HGNC=26212 UniProtKB=P61009,HUMAN HGNC=9554 UniProtKB=Q99460,HUMAN HGNC=9552 UniProtKB=P62195,HUMAN HGNC=188 UniProtKB=O14672,HUMAN HGNC=1507 UniProtKB=P55212,HUMAN HGNC=9559 UniProtKB=Q13200,HUMAN HGNC=9531 UniProtKB=P25787,HUMAN HGNC=9535 UniProtKB=P60900,HUMAN HGNC=9539 UniProtKB=P49721,HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=9536 UniProtKB=O14818,HUMAN HGNC=9540 UniProtKB=P49720,HUMAN HGNC=9530 UniProtKB=P25786,HUMAN HGNC=9553 UniProtKB=P62333,HUMAN HGNC=9551 UniProtKB=P43686,HUMAN HGNC=2312 UniProtKB=P15169,HUMAN HGNC=2239 UniProtKB=Q9UNS2,HUMAN HGNC=9532 UniProtKB=P25788,HUMAN HGNC=9537 UniProtKB=P20618	spliceosomal complex
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GO:0048812	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=1742 UniProtKB=P50851,HUMAN HGNC=618 UniProtKB=O14791,HUMAN HGNC=8878 UniProtKB=Q01813,HUMAN HGNC=679 UniProtKB=P52566,HUMAN HGNC=17102 UniProtKB=Q92619,HUMAN HGNC=17038 UniProtKB=Q99685,HUMAN HGNC=17292 UniProtKB=Q8IWA5,HUMAN HGNC=28973 UniProtKB=Q14165,HUMAN HGNC=16937 UniProtKB=O75915,HUMAN HGNC=1090 UniProtKB=Q03001,HUMAN HGNC=25268 UniProtKB=Q96LR9,HUMAN HGNC=30244 UniProtKB=Q6P1A2,HUMAN HGNC=8087 UniProtKB=P29728,HUMAN HGNC=18808 UniProtKB=Q9Y6E2,HUMAN HGNC=5048 UniProtKB=Q00839,HUMAN HGNC=10542 UniProtKB=O95248,HUMAN HGNC=678 UniProtKB=P52565	neuron projection morphogenesis
GO:0016020		membrane
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GO:0018107	HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=1738 UniProtKB=Q9Y5S2	peptidyl-threonine phosphorylation
GO:0035601	HUMAN HGNC=6737 UniProtKB=O75608	protein deacylation
GO:0030133	HUMAN HGNC=26486 UniProtKB=Q6PJW8	transport vesicle
GO:0034704	HUMAN HGNC=23526 UniProtKB=Q8NE86	calcium channel complex
GO:0006400	HUMAN HGNC=20 UniProtKB=P49588	tRNA modification

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GO:0002040	HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=7178 UniProtKB=Q13201	sprouting angiogenesis
GO:0046839	HUMAN HGNC=17059 UniProtKB=Q9NTJ5,HUMAN HGNC=10542 UniProtKB=O95248	phospholipid dephosphorylation
GO:0030865	HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=9801 UniProtKB=P63000	cortical cytoskeleton organization
GO:0031224	HUMAN HGNC=18587 UniProtKB=O94901	intrinsic component of membrane
GO:0071456	HUMAN HGNC=17865 UniProtKB=Q96A26	cellular response to hypoxia
GO:0035091	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=11172 UniProtKB=Q13596	phosphatidylinositol binding
GO:0071356	HUMAN HGNC=10632 UniProtKB=P13501	cellular response to tumor necrosis factor
GO:0120115	HUMAN HGNC=20471 UniProtKB=O95777,HUMAN HGNC=17259 UniProtKB=Q9Y4Z0	Lsm2-8 complex
GO:0003729	HUMAN HGNC=27424 UniProtKB=Q5T481,HUMAN HGNC=8648 UniProtKB=Q15366,HUMAN HGNC=5046 UniProtKB=P52272,HUMAN HGNC=20165 UniProtKB=Q9P2P1,HUMAN HGNC=117 UniProtKB=P21399,HUMAN HGNC=9583 UniProtKB=P26599,HUMAN HGNC=1243 UniProtKB=Q07021,HUMAN HGNC=8647 UniProtKB=Q15365,HUMAN HGNC=17894 UniProtKB=Q14966,HUMAN HGNC=29513 UniProtKB=O60306,HUMAN HGNC=5044 UniProtKB=P61978,HUMAN HGNC=3297 UniProtKB=P78344	mRNA binding positive regulation of neuron projection development
GO:0010976	HUMAN HGNC=9621 UniProtKB=Q6IBS0,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	
GO:0036094	HUMAN HGNC=7694 UniProtKB=O14561,HUMAN HGNC=9922 UniProtKB=P02753,HUMAN HGNC=4458 UniProtKB=P06744,HUMAN HGNC=4187 UniProtKB=P02774,HUMAN HGNC=26801 UniProtKB=Q8N8Q8,HUMAN HGNC=11834 UniProtKB=P29401,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=3951 UniProtKB=Q16595,HUMAN HGNC=9723 UniProtKB=P11216,HUMAN HGNC=9725 UniProtKB=P06737	small molecule binding
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GO:0008173	HUMAN HGNC=17136 UniProtKB=Q8IY81	RNA methyltransferase activity
GO:0042058	HUMAN HGNC=25153 UniProtKB=Q96EY5	regulation of epidermal growth factor receptor signaling pathway
GO:0043407	HUMAN HGNC=9673 UniProtKB=Q12913	negative regulation of MAP kinase activity
GO:0072686	HUMAN HGNC=14906 UniProtKB=Q8N4C6	mitotic spindle
GO:0030125	HUMAN HGNC=25951 UniProtKB=Q6ULP2,HUMAN HGNC=555 UniProtKB=O43747,HUMAN HGNC=23186 UniProtKB=Q14677,HUMAN HGNC=2090 UniProtKB=P09496,HUMAN HGNC=561 UniProtKB=O95782	clathrin vesicle coat
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GO:0007259	HUMAN HGNC=11364 UniProtKB=P40763	receptor signaling pathway via JAK-STAT
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GO:0004322	HUMAN HGNC=6522 UniProtKB=P04180,HUMAN HGNC=2328 UniProtKB=P50416,HUMAN HGNC=94 UniProtKB=Q9BWD1	acyltransferase
PC00042		
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GO:0051018	HUMAN HGNC=369 UniProtKB=Q9UKA4	protein kinase A binding
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GO:0015267	HUMAN HGNC=4234 UniProtKB=P55040	channel activity
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PC00224		

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GO:0051156		
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GO:0006622		protein targeting to lysosome
GO:1905368	HUMAN HGNC=6501 UniProtKB=P13473	
GO:0051966	HUMAN HGNC=26212 UniProtKB=P61009	peptidase complex regulation of synaptic transmission, glutamatergic
GO:0001889	HUMAN HGNC=1406 UniProtKB=Q9Y698,HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0	
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PC00011	HUMAN HGNC=20473 UniProtKB=Q9BX63	DNA helicase
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GO:0032446	HUMAN HGNC=21314 UniProtKB=Q8WXC6,HUMAN HGNC=20597 UniProtKB=P61960	protein modification by small protein conjugation
GO:0006260		
GO:0051123	HUMAN HGNC=26200 UniProtKB=Q9H668	DNA replication
GO:0030136	HUMAN HGNC=9553 UniProtKB=P62333,HUMAN HGNC=9552 UniProtKB=P62195,HUMAN HGNC=9551 UniProtKB=P43686	RNA polymerase II preinitiation complex assembly
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PC00060		calcium-binding protein positive regulation of transcription, DNA-templated
GO:0045893	HUMAN HGNC=25758 UniProtKB=Q8TED0,HUMAN HGNC=12738 UniProtKB=Q969T9	
	HUMAN HGNC=17780 UniProtKB=Q562R1,HUMAN HGNC=1117 UniProtKB=Q9UPA5,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=6317 UniProtKB=O43896,HUMAN HGNC=11510 UniProtKB=Q8N9I0,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=29557 UniProtKB=Q0ZGT2,HUMAN HGNC=10594 Uni	axon
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GO:004825		
5	HUMAN HGNC=5048 UniProtKB=Q00839	mRNA stabilization
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6	HUMAN HGNC=4932 UniProtKB=P01889	T cell mediated immunity
GO:000455	HUMAN HGNC=363 UniProtKB=P27144,HUMAN HGNC=7850 UniProtKB=P22392,HUMAN HGNC=7849 UniProtKB=P15531	nucleoside diphosphate kinase activity
GO:000588	HUMAN HGNC=6891 UniProtKB=Q15555,HUMAN HGNC=6890 UniProtKB=Q15691	cytoplasmic microtubule
1	HUMAN HGNC=3338 UniProtKB=Q14247,HUMAN HGNC=2695 UniProtKB=Q16643,HUMAN HGNC=2696 UniProtKB=Q9UJU6,HUMAN HGNC=4844 UniProtKB=P14317	regulation of synapse organization
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GO:001685		
3		
GO:000825		
3	HUMAN HGNC=17820 UniProtKB=Q9H0P0	5'-nucleotidase activity
	HUMAN HGNC=5261 UniProtKB=P10809,HUMAN HGNC=7183 UniProtKB=P41218,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=1628 UniProtKB=P08571,HUMAN HGNC=16961 UniProtKB=Q15762	
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6		negative regulation of
GO:003193	HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401	chromatin silencing
6		negative regulation of
		transcription, DNA-
GO:004589	HUMAN HGNC=30747 UniProtKB=P61201,HUMAN HGNC=9349 UniProtKB=Q9NQX1	templated
2		
GO:000462		
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GO:000709	HUMAN HGNC=23432 UniProtKB=Q9NXG0,HUMAN HGNC=29327 UniProtKB=Q5VZ46,HUMAN HGNC=9847 UniProtKB=P43487	centrosome cycle
8	HUMAN HGNC=31332 UniProtKB=Q6IQ22,HUMAN HGNC=7007 UniProtKB=P61006,HUMAN HGNC=9778 UniProtKB=P20337,HUMAN HGNC=1628 UniProtKB=P08571	
GO:000930		protein secretion
6		positive regulation of MAPK
GO:004341	HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=6091 UniProtKB=P06213	cascade
0		inorganic anion
GO:009866		transmembrane transport
1	HUMAN HGNC=10989 UniProtKB=Q00325	

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 ProtKB=Q6IAA8,HUMAN|HGNC=33704|UniProtKB=Q66K66,HUMA  
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 otKB=Q8WVM8,HUMAN|HGNC=3382|UniProtKB=Q08495,HUMAN  
 |HGNC=1458|UniProtKB=O43852,HUMAN|HGNC=13529|UniProtK  
 B=Q9Y2B0,HUMAN|HGNC=2532|UniProtKB=P08311,HUMAN|HGN  
 C=5238|UniProtKB=P11021,HUMAN|HGNC=23787|UniProtKB=Q9  
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 |HGNC=15447|UniProtKB=Q9Y4G6,HUMAN|HGNC=9086|UniProt  
 KB=P60201,HUMAN|HGNC=30220|UniProtKB=Q96AA3,HUMAN|H  
 GNC=15578|UniProtKB=Q96D71,HUMAN|HGNC=3530|UniProtKB  
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GO:000588

6

plasma membrane

=71703|UniProtKB=Q9Y5LO,HUMAN|HGNC=9164|UniProtKB=Q9719,HUMAN|HGNC=9070|UniProtKB=P08567,HUMAN|HGNC=55|UniProtKB=O15439,HUMAN|HGNC=10534|UniProtKB=Q9NR31,HUMAN|HGNC=15588|UniProtKB=Q96C24,HUMAN|HGNC=6631|UniProtKB=P49257,HUMAN|HGNC=649|UniProtKB=P48444,HUMAN|HGNC=18370|UniProtKB=Q9H0U4,HUMAN|HGNC=24641|UniProtKB=Q7Z3J2,HUMAN|HGNC=19983|UniProtKB=Q86YS6,HUMAN|HGNC=12666|UniProtKB=P55072,HUMAN|HGNC=11133|UniProtKB=O95721,HUMAN|HGNC=10382|UniProtKB=P04844,HUMAN|HGNC=11131|UniProtKB=O00161,HUMAN|HGNC=25240|UniProtKB=C4KM02,HUMAN|HGNC=9411|UniProtKB=P14314,HUMAN|HGNC=11034|UniProtKB=Q2Y0W8,HUMAN|HGNC=17943|UniProtKB=Q9GZP9,HUMAN|HGNC=6752|UniProtKB=P20645,HUMAN|HGNC=15606|UniProtKB=Q9UHA4,HUMAN|HGNC=11767|UniProtKB=O43294,HUMAN|HGNC=24175|UniProtKB=Q9P035,HUMAN|HGNC=16089|UniProtKB=O15173,HUMAN|HGNC=9855|UniProtKB=P62834,HUMAN|HGNC=9581|UniProtKB=Q9H939,HUMAN|HGNC=8533|UniProtKB=P51575,HUMAN|HGNC=17059|UniProtKB=Q9NTJ5,HUMAN|HGNC=11358|UniProtKB=O75886,HUMAN|HGNC=17859|UniProtKB=Q5SRE5,HUMAN|HGNC=11828|UniProtKB=Q9UDY2,HUMAN|HGNC=25541|UniProtKB=P57088,HUMAN|HGNC=9840|UniProtKB=P11234,HUMAN|HGNC=2090|UniProtKB=P09496,HUMAN|HGNC=15687|UniProtKB=O75563,HUMAN|HGNC=11056|UniProtKB=P48067,HUMAN|HGNC=7821|UniProtKB=P14543,HUMAN|HGNC=30052|UniProtKB=Q8TEM1,HUMAN|HGNC=9778|UniProtKB=P20337,HUMAN|HGNC=8548|UniProtKB=P07237,HUMAN|HGNC=533|UniProtKB=P04083,HUMAN|HGNC=2047|UniProtKB=O00501,HUMAN|HGNC=568|UniProtKB=O14617,HUMAN|HGNC=10447|UniProtKB=P10301,HUMAN|HGNC=18673|UniProtKB=Q96JB5,HUMAN|HGNC=1473|UniProtKB=P27824,HUMAN|HGNC=8504|UniProtKB=Q969R2,HUMAN|HGNC=5241|UniProtKB=P11142,HUMAN|HGNC=9802|UniProtKB=P15153,HUMAN|HGNC=10608|UniProtKB=P47872,HUMAN|HGNC=13937|UniProtKB=O95866,HUMAN|HGNC=3244|UniProtKB=Q9NZN3,HUMAN|HGNC=7228|UniProtKB=P22897,HUMAN|HGNC=13921|UniProtKB=O95870,HUMAN|HGNC=12649|UniProtKB=O95292,HUMAN|HGNC=15878|UniProtKB=Q9NQ75,HUMAN|HGNC=20653|UniProtKB=Q8IVB4,HUMAN|HGNC=4234|UniProtKB=P55040,HUMAN|HGNC=26486|UniProtKB=Q6PJW8,HUMAN|HGNC=4045|UniProtKB=O75084,HUMAN|HGNC=18756|UniProtKB=Q9BYZ6,HUMAN|HGNC=652|UniProtKB=P84077,HUMAN|HGNC=2315|UniProtKB=Q96FN4,HUMAN|HGNC=30697|UniProtKB=Q8TB96,HUMAN|HGNC=30550|UniProtKB=O60337,HUMAN|HGNC=3377|UniProtKB=P11171,HUMAN|HGNC=2689|UniProtKB=P09172,HUMAN|HGNC=10701|UniProtKB=Q15436,HUMAN|HGNC=6499|UniProtKB=P11279,HUMAN|HGNC=11326|UniProtKB=P51571,HUMAN|HGNC=8062|UniProtKB=P49790,HUMAN|HGNC=9758|UniProtKB=P62820,HUMAN|HGNC=12647|UniProtKB=Q9BV40,HUMAN|HGNC=2232|UniProtKB=P35606,HUMAN|HGNC=885|UniProtKB=O75882,HUMAN|HGNC=18263|UniProtKB=Q9UL25,HUMAN|HGNC=812|UniProtKB=P16615,HUMAN|HGNC=692|UniProtKB=P40616,HUMAN|HGNC=31332|UniProtKB=Q6IQ22,HUMAN|HGNC=18587|UniProtKB=O94901,HUMAN|HGNC=18621|UniProtKB=Q9Y2V7,HUMAN|HGNC=1455|UniProtKB=P27797,HUMAN|HGNC=2231|UniProtKB=P53618,HUMAN|HGNC=11845|UniProtKB=Q9Y490,HUMAN|HGNC=11845

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GO:0008092	HUMAN HGNC=9069 UniProtKB=Q15149,HUMAN HGNC=492 UniProtKB=P16157	cytoskeletal protein binding
GO:0006626	HUMAN HGNC=5261 UniProtKB=P10809	protein targeting to mitochondrion
GO:0031253	HUMAN HGNC=11148 UniProtKB=Q16658,HUMAN HGNC=4381 UniProtKB=Q14344	cell projection membrane
GO:0030261	HUMAN HGNC=4716 UniProtKB=P16403,HUMAN HGNC=4718 UniProtKB=P10412,HUMAN HGNC=4719 UniProtKB=P16401 HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2,HUMAN HGNC=9784 UniProtKB=P61020,HUMAN HGNC=5645 UniProtKB=A0A0C4DH34,HUMAN HGNC=5549 UniProtKB=A0A0C4DH31,HUMAN HGNC=5554 UniProtKB=P01743,HUMAN HGNC=5480 UniProtKB=P01880,HUMAN HGNC=5659 UniProtKB=A0A0C4DH38,HUMAN HGNC=5634 UniProtKB=A0A075B7F0,HUMAN HGNC=38476 UniProtKB=B9A064,HUMAN HGNC=5861 UniProtKB=A0M8Q6,HUMAN HGNC=5647 UniProtKB=A0A087WSY4,HUMAN HGNC=5563 UniProtKB=A0A075B7D0,HUMAN HGNC=5856 UniProtKB=P0DOY2,HUMAN HGNC=5606 UniProtKB=P01763,HUMAN HGNC=9785 UniProtKB=P51148,HUMAN HGNC=9801 UniProtKB=P63000,HUMAN HGNC=5576 UniProtKB=P01817,HUMAN HGNC=5528 UniProtKB=P01861,HUMAN HGNC=5541 UniProtKB=P01871,HUMAN HGNC=5585 UniProtKB=A0A0C4DH32,HUMAN HGNC=9782 UniProtKB=P61018,HUMAN HGNC=9802 UniProtKB=P15153,HUMAN HGNC=5551 UniProtKB=A0A0C4DH33,HUMAN HGNC=3244 UniProtKB=Q9NZN3,HUMAN HGNC=5526 UniProtKB=P01859,HUMAN HGNC=5657 UniProtKB=P0DP08,HUMAN Ensembl=ENSG00000282639 UniProtKB=A0A0J9YX35,HUMAN HGNC=19760 UniProtKB=Q96T51,HUMAN Gene=HV309_HUMAN UniProtKB=P01782,HUMAN HGNC=18756 UniProtKB=Q9BYZ6,HUMAN HGNC=5654 UniProtKB=P01825,HUMAN HGNC=5553 UniProtKB=A0A0A0MS14,HUMAN Gene=HV108_HUMAN UniProtKB=P0DP01,HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5,HUMAN HGNC=5620 UniProtKB=P01780,HUMAN HGNC=23186 UniProtKB=Q14677,HUMAN HGNC=5598 UniProtKB=A0A0C4DH35,HUMAN HGNC=5580 UniProtKB=P01762,HUMAN HGNC=5633 UniProtKB=A0A075B7D8,HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0,HUMAN HGNC=5478 UniProtKB=P01876,HUMAN HGNC=26068 UniProtKB=Q6IAA8,HUMAN HGNC=5617 UniProtKB=A0A075B6Q5,HUMAN HGNC=5594 UniProtKB=P0DP03,HUMAN HGNC=5655 UniProtKB=A0A0C4DH41,HUMAN HGNC=563	chromosome condensation
GO:0006897		endocytosis

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GO:0051015	HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=3750 UniProtKB=Q13045	actin filament binding
GO:0005546		phosphatidylinositol-4,5-bisphosphate binding
GO:0072330	HUMAN HGNC=16369 UniProtKB=Q99497	monocarboxylic acid biosynthetic process
PC00083	HUMAN HGNC=10632 UniProtKB=P13501	cytokine negative regulation of
GO:2001243	HUMAN HGNC=992 UniProtKB=Q07817,HUMAN HGNC=11283 UniProtKB=P12931	intrinsic apoptotic signaling pathway
GO:0030036	HUMAN HGNC=6111 UniProtKB=Q13576,HUMAN HGNC=2067 UniProtKB=O00151,HUMAN HGNC=17468 UniProtKB=Q96HC4,HUMAN HGNC=22958 UniProtKB=Q9NR12,HUMAN HGNC=11126 UniProtKB=P53814	actin cytoskeleton organization

GO:007134		cellular response to cytokine stimulus
5	HUMAN HGNC=7183 UniProtKB=P41218	
	HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=19388 UniProtKB=P49593,HUMAN HGNC=6766 UniProtKB=Q8WXG6,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=7850 UniProtKB=P22392,HUMAN HGNC=1507 UniProtKB=P55212,HUMAN HGNC=19986 UniProtKB=P99999	
GO:000691		apoptotic process
5		
GO:001063	HUMAN HGNC=17865 UniProtKB=Q96A26,HUMAN HGNC=1050 UniProtKB=P55957,HUMAN HGNC=533 UniProtKB=P04083	positive regulation of organelle organization
8	HUMAN HGNC=535 UniProtKB=P50995,HUMAN HGNC=15848 UniProtKB=Q14141,HUMAN HGNC=2973 UniProtKB=O00429,HUMAN HGNC=2713 UniProtKB=O75935,HUMAN HGNC=2974 UniProtKB=P50570,HUMAN HGNC=9164 UniProtKB=Q99719,HUMAN HGNC=1717 UniProtKB=Q16181,HUMAN HGNC=10252 UniProtKB=O75116,HUMAN HGNC=29125 UniProtKB=Q9UQ16,HUMAN HGNC=7729 UniProtKB=Q15019	
GO:009014		membrane fission
8	HUMAN HGNC=6171 UniProtKB=Q08881,HUMAN HGNC=4037 UniProtKB=P06241,HUMAN HGNC=12841 UniProtKB=P07947,HUMAN HGNC=11283 UniProtKB=P12931,HUMAN HGNC=6735 UniProtKB=P07948	
GO:001810		peptidyl-tyrosine phosphorylation
8		
GO:004341		
4	HUMAN HGNC=4861 UniProtKB=Q9NRZ9	macromolecule methylation
GO:000554		
3	HUMAN HGNC=23186 UniProtKB=Q14677	phospholipid binding
GO:004255		
5	HUMAN HGNC=26200 UniProtKB=Q9H668	MCM complex
GO:007181	HUMAN HGNC=31797 UniProtKB=P0C7V6,HUMAN HGNC=12347 UniProtKB=Q9Y4A5	DUBm complex
9		meiotic chromosome separation
GO:005130	HUMAN HGNC=12401 UniProtKB=P33981	neuromuscular synaptic transmission
7		
GO:000727		fibroblast growth factor receptor signaling pathway
4	HUMAN HGNC=16831 UniProtKB=O95153	
GO:000854		
3	HUMAN HGNC=15527 UniProtKB=Q86Z14	
	HUMAN HGNC=3011 UniProtKB=Q07507,HUMAN HGNC=11771 UniProtKB=Q15582,HUMAN HGNC=1682 UniProtKB=Q08722	cell adhesion molecule
PC00069	HUMAN HGNC=6047 UniProtKB=Q16891,HUMAN HGNC=7687 UniProtKB=O00483,HUMAN HGNC=23526 UniProtKB=Q8NE86,HUMAN HGNC=2265 UniProtKB=P13073,HUMAN HGNC=2267 UniProtKB=P20674	
GO:009880		inner mitochondrial membrane protein complex
0	HUMAN HGNC=9414 UniProtKB=Q13976,HUMAN HGNC=3757 UniProtKB=O75955,HUMAN HGNC=9406 UniProtKB=Q16513,HUMAN HGNC=9380 UniProtKB=P17612,HUMAN HGNC=9395 UniProtKB=P05771,HUMAN HGNC=18994 UniProtKB=Q8TDC3,HUMAN HGNC=6876 UniProtKB=Q16539,HUMAN HGNC=2850 UniProtKB=Q9Y6T7,HUMAN HGNC=10432 UniProtKB=P51812,HUMAN HGNC=30410 UniProtKB=Q9BXA6,HUMAN HGNC=6529 UniProtKB=Q13094,HUMAN HGNC=20292 UniProtKB=Q9Y376,HUMAN HGNC=6871 UniProtKB=P28482,HUMAN HGNC=19825 UniProtKB=Q6SA08,HUMAN HGNC=9381 UniProtKB=P22694	
GO:003555		intracellular signal transduction
6		
GO:000268		regulation of leukocyte migration
5	HUMAN HGNC=533 UniProtKB=P04083	
GO:003013	HUMAN HGNC=21354 UniProtKB=Q86XR7,HUMAN HGNC=24251 UniProtKB=Q9Y3A6,HUMAN HGNC=6631 UniProtKB=P49257,HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=19388 UniProtKB=P49593,HUMAN HGNC=6766 UniProtKB=Q8WXG6,HUMAN HGNC=533 UniProtKB=P04083,HUMAN HGNC=7850 UniProtKB=P22392,HUMAN HGNC=1507 UniProtKB=P55212,HUMAN HGNC=19986 UniProtKB=P99999	COPII-coated ER to Golgi transport vesicle
4		

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GO:0010035	HUMAN HGNC=26200 UniProtKB=Q9H668,HUMAN HGNC=7326 UniProtKB=P20585	DNA biosynthetic process
GO:0070925	HUMAN HGNC=15474 UniProtKB=Q9Y566,HUMAN HGNC=14294 UniProtKB=Q9BYB0,HUMAN HGNC=9788 UniProtKB=P51149	organelle assembly
GO:0035032	HUMAN HGNC=19692 UniProtKB=Q96F24 HUMAN HGNC=2713 UniProtKB=O75935,HUMAN HGNC=11873 UniProtKB=Q9NYL9,HUMAN HGNC=12690 UniProtKB=P09327,HUMAN HGNC=2712 UniProtKB=Q13561,HUMAN HGNC=3382 UniProtKB=Q08495,HUMAN HGNC=14653 UniProtKB=Q9HBI1,HUMAN HGNC=3750 UniProtKB=Q13045,HUMAN HGNC=1491 UniProtKB=P47756,HUMAN HGNC=24636 UniProtKB=Q9UHB6	phosphatidylinositol 3-kinase complex, class III
GO:0015629		actin cytoskeleton
GO:0001934	HUMAN HGNC=11766 UniProtKB=P01137 HUMAN HGNC=25758 UniProtKB=Q8TED0,HUMAN HGNC=7183 UniProtKB=P41218,HUMAN HGNC=226 UniProtKB=P78563,HUMAN HGNC=7910 UniProtKB=P06748	positive regulation of protein phosphorylation
GO:0005730		nucleolus
GO:0070509	HUMAN HGNC=23526 UniProtKB=Q8NE86	calcium ion import
GO:0051649	HUMAN HGNC=16051 UniProtKB=Q8TEW0,HUMAN HGNC=11491 UniProtKB=P43405	establishment of localization in cell
GO:0016922	HUMAN HGNC=7670 UniProtKB=Q9Y6Q9	nuclear receptor binding
GO:1902532	HUMAN HGNC=18233 UniProtKB=Q8NDB2,HUMAN HGNC=20250 UniProtKB=Q96IF1	negative regulation of intracellular signal transduction
GO:1902600	HUMAN HGNC=800 UniProtKB=P50993	proton transmembrane transport
GO:0032008	HUMAN HGNC=17955 UniProtKB=Q43504,HUMAN HGNC=15606 UniProtKB=Q9UHA4	positive regulation of TOR signaling
GO:0015079	HUMAN HGNC=800 UniProtKB=P50993,HUMAN HGNC=806 UniProtKB=P54709	potassium ion transmembrane transporter activity
GO:0000777		condensed chromosome kinetochore
GO:0002183	HUMAN HGNC=24054 UniProtKB=Q8NG31 HUMAN HGNC=3282 UniProtKB=P60842,HUMAN Gene=EIF2S3L UniProtKB=Q2VIR3,HUMAN HGNC=3285 UniProtKB=P23588 HUMAN HGNC=33108 UniProtKB=Q6NX45,HUMAN HGNC=14008 UniProtKB=Q9BW11,HUMAN HGNC=7803 UniProtKB=Q12986,HUMAN HGNC=18411 UniProtKB=Q3KNW1,HUMAN HGNC=14010 UniProtKB=Q8IWI9,HUMAN HGNC=11364 UniProtKB=P40763,HUMAN HGNC=6702 UniProtKB=Q32MZ4,HUMAN HGNC=15935 UniProtKB=Q9H4I2,HUMAN HGNC=29084 UniProtKB=O75123,HUMAN HGNC=26427 UniProtKB=Q96ND8,HUMAN HGNC=17801 UniProtKB=Q8NHY6,HUMAN HGNC=11594 UniProtKB=Q96SF7,HUMAN HGNC=9459 UniProtKB=Q92786,HUMAN HGNC=9866 UniProtKB=P13631,HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1,HUMAN HGNC=3815 UniProtKB=Q12951,HUMAN HGNC=7967 UniP	cytoplasmic translational initiation
GO:0000981		DNA-binding transcription factor activity, RNA polymerase II-specific

	rotKB=Q96RI1,HUMAN HGNC=11590 UniProtKB=Q16650,HUMAN HGNC=7547 UniProtKB=P10243	
GO:0009913	HUMAN HGNC=1504 UniProtKB=P42574,HUMAN HGNC=533 UniProtKB=P04083	epidermal cell differentiation
GO:0016925	HUMAN HGNC=11124 UniProtKB=P55854,HUMAN HGNC=11125 UniProtKB=P61956	protein sumoylation
GO:0004930	HUMAN HGNC=4472 UniProtKB=Q14330,HUMAN HGNC=3540 UniProtKB=Q96RI0	G protein-coupled receptor activity
GO:0042802	HUMAN HGNC=8876 UniProtKB=P17858,HUMAN HGNC=2520 UniProtKB=Q9NRF8,HUMAN HGNC=8878 UniProtKB=Q01813	identical protein binding
GO:0042552	HUMAN HGNC=2479 UniProtKB=O76096,HUMAN HGNC=9086 UniProtKB=P60201	myelination
GO:0042593	HUMAN HGNC=4922 UniProtKB=P19367,HUMAN HGNC=6091 UniProtKB=P06213	glucose homeostasis
GO:0009451	HUMAN HGNC=226 UniProtKB=P78563	RNA modification
	HUMAN HGNC=9391 UniProtKB=P13861,HUMAN HGNC=4395 UniProtKB=P19086,HUMAN HGNC=4384 UniProtKB=P63096,HUMAN HGNC=10608 UniProtKB=P47872,HUMAN HGNC=4381 UniProtKB=Q14344,HUMAN HGNC=4387 UniProtKB=P08754,HUMAN HGNC=9392 UniProtKB=P31323,HUMAN HGNC=4385 UniProtKB=P04899,HUMAN HGNC=4393 UniProtKB=P11488,HUMAN HGNC=4390 UniProtKB=P50148	regulation of cAMP-mediated signaling
GO:0043949		
GO:0019902	HUMAN HGNC=7618 UniProtKB=O14974	phosphatase binding
	HUMAN HGNC=16089 UniProtKB=O15173,HUMAN HGNC=16524 UniProtKB=P61106,HUMAN HGNC=11326 UniProtKB=P51571,HUMAN HGNC=11429 UniProtKB=O75558,HUMAN HGNC=19983 UniProtKB=Q86YS6,HUMAN HGNC=16090 UniProtKB=O00264,HUMAN HGNC=9758 UniProtKB=P62820,HUMAN HGNC=13921 UniProtKB=O95870,HUMAN HGNC=18673 UniProtKB=Q96JB5,HUMAN HGNC=18370 UniProtKB=Q9H0U4,HUMAN HGNC=30384 UniProtKB=Q9UMX5	endomembrane system
GO:0012505		