

Table S4: Differentially spliced genes in enriched GO terms

17 Genes in BP---"transmembrane receptor protein tyrosine kinase signaling pathway"	
ENSEMBL GENE ID	GENE NAME
ENSG00000089159	paxillin
ENSG00000095637	sorbin and SH3 domain containing 1
ENSG00000103197	tuberous sclerosis 2
ENSG00000107263	Rap guanine nucleotide exchange factor (GEF) 1
ENSG00000112715	vascular endothelial growth factor A
ENSG00000112851	erbb2 interacting protein
ENSG00000112964	growth hormone receptor
ENSG00000136754	abl-interactor 1
ENSG00000142208	v-akt murine thymoma viral oncogene homolog 1
ENSG00000168374	ADP-ribosylation factor 4
ENSG00000169398	PTK2 protein tyrosine kinase 2
ENSG00000171105	insulin receptor
ENSG00000174111	suppressor of cytokine signaling 7
ENSG00000175866	BAI1-associated protein 2
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000197461	platelet-derived growth factor alpha polypeptide
ENSG00000197965	myelin protein zero-like 1
39 genes in MF ---"cytoskeletal protein binding"	
ENSEMBL GENE ID	GENE NAME
ENSG00000175866	BAI1-associated protein 2
ENSG00000112186	CAP, adenylate cyclase-associated protein, 2 (yeast)
ENSG00000130779	CAP-GLY domain containing linker protein 1
ENSG00000136153	LIM domain 7
ENSG00000136754	abl-interactor 1
ENSG00000173210	actin binding LIM protein family, member 3
ENSG00000011426	anillin, actin binding protein
ENSG00000074054	cytoplasmic linker associated protein 1
ENSG00000213918	deoxyribonuclease I
ENSG00000079805	dynamain 2
ENSG00000151914	dystonin
ENSG00000154380	enabled homolog (Drosophila)
ENSG00000088367	erythrocyte membrane protein band 4.1-like 1
ENSG00000079819	erythrocyte membrane protein band 4.1-like 2
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000136068	filamin B, beta (actin binding protein 278)
ENSG00000157827	formin-like 2
ENSG00000161791	formin-like 3
ENSG00000203485	inverted formin, FH2 and WH2 domain containing
ENSG00000115648	melanophilin
ENSG00000132613	metastasis suppressor 1-like
ENSG00000127603	microtubule-actin crosslinking factor 1
ENSG00000128641	myosin IB
ENSG00000066933	myosin IXA

ENSG00000197535	myosin VA (heavy chain 12, myoxin)
ENSG00000196586	myosin VI
ENSG00000186575	neurofibromin 2 (merlin)
ENSG00000137497	nuclear mitotic apparatus protein 1
ENSG00000166579	nudE nuclear distribution gene E homolog (A. nidulans)-like 1
ENSG00000089159	paxillin
ENSG00000156113	potassium large conductance calcium-activated channel, subfamily M, alpha
ENSG00000178209	similar to Plectin 1 (PLTN) (PCN) (Hemidesmosomal protein 1) (HD1); plectin
ENSG00000147601	similar to telomeric repeat binding factor (NIMA-interacting) 1; telomeric repeat binding factor (NIMA-interacting) 1; telomeric repeat binding factor
ENSG00000183963	smoothelin
ENSG00000095637	sorbin and SH3 domain containing 1
ENSG00000173898	spectrin, beta, non-erythrocytic 2
ENSG00000008294	sperm associated antigen 9
ENSG00000134278	spire homolog 1 (Drosophila)
ENSG00000152818	utrophin
28 genes in MF ---- "actin binding"	
ENSEMBL GENE ID	GENE NAME
ENSG00000112186	CAP, adenylate cyclase-associated protein, 2 (yeast)
ENSG00000136153	LIM domain 7
ENSG00000173210	actin binding LIM protein family, member 3
ENSG00000011426	anillin, actin binding protein
ENSG00000213918	deoxyribonuclease I
ENSG00000151914	dystonin
ENSG00000154380	enabled homolog (Drosophila)
ENSG00000088367	erythrocyte membrane protein band 4.1-like 1
ENSG00000079819	erythrocyte membrane protein band 4.1-like 2
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000136068	filamin B, beta (actin binding protein 278)
ENSG00000157827	formin-like 2
ENSG00000161791	formin-like 3
ENSG00000203485	inverted formin, FH2 and WH2 domain containing
ENSG00000115648	melanophilin
ENSG00000132613	metastasis suppressor 1-like
ENSG00000127603	microtubule-actin crosslinking factor 1
ENSG00000128641	myosin IB
ENSG00000066933	myosin IXA
ENSG00000197535	myosin VA (heavy chain 12, myoxin)
ENSG00000196586	myosin VI
ENSG00000156113	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
ENSG00000178209	similar to Plectin 1 (PLTN) (PCN) (Hemidesmosomal protein 1) (HD1); plectin 1, intermediate filament binding protein 500kDa
ENSG00000183963	smoothelin
ENSG00000095637	sorbin and SH3 domain containing 1
ENSG00000173898	spectrin, beta, non-erythrocytic 2

ENSG00000134278	spire homolog 1 (Drosophila)
ENSG00000152818	utrophin
12 genes in MF ---- "GTPase binding"	
ENSEMBL GENE ID	GENE NAME
ENSG00000184014	DENN/MADD domain containing 5A
ENSG00000082805	ELKS/RAB6-interacting/CAST family member 1
ENSG00000136717	bridging integrator 1
ENSG00000130158	dedicator of cytokinesis 6
ENSG00000114346	epithelial cell transforming sequence 2 oncogene
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000157827	formin-like 2
ENSG00000161791	formin-like 3
ENSG00000203485	inverted formin, FH2 and WH2 domain containing
ENSG00000115648	melanophilin
ENSG00000114993	rhotekin
ENSG00000137501	synaptotagmin-like 2
24 genes in MF ---- "GTPase regulator activity"	
ENSEMBL GENE ID	GENE NAME
ENSG00000101199	ADP-ribosylation factor GTPase activating protein 1
ENSG00000184014	DENN/MADD domain containing 5A
ENSG00000035499	DEP domain containing 1B
ENSG00000082805	ELKS/RAB6-interacting/CAST family member 1
ENSG00000174373	GTPase activating Rap/RanGAP domain-like 1
ENSG00000144711	IQ motif and Sec7 domain 1
ENSG00000110514	MAP-kinase activating death domain
ENSG00000152061	RAB GTPase activating protein 1-like
ENSG00000116191	Ral GEF with PH domain and SH3 binding motif 2
ENSG00000107263	Rap guanine nucleotide exchange factor (GEF) 1
ENSG00000140750	Rho GTPase activating protein 17
ENSG00000132694	Rho guanine nucleotide exchange factor (GEF) 11
ENSG00000196914	Rho guanine nucleotide exchange factor (GEF) 12
ENSG00000107021	TBC1 domain family, member 13
ENSG00000036054	TBC1 domain family, member 23
ENSG00000154310	TRAF2 and NCK interacting kinase
ENSG00000130158	dedicator of cytokinesis 6
ENSG00000114346	epithelial cell transforming sequence 2 oncogene
ENSG00000115648	melanophilin
ENSG00000071054	mitogen-activated protein kinase kinase kinase kinase 4
ENSG00000066933	myosin IXA
ENSG00000114993	rhotekin
ENSG00000137501	synaptotagmin-like 2
ENSG00000103197	tuberous sclerosis 2
13 genes in CC ---- " cell leading edge"	
ENSEMBL GENE ID	GENE NAME

ENSG00000175866	BAI1-associated protein 2
ENSG00000169398	PTK2 protein tyrosine kinase 2
ENSG00000136754	abl-interactor 1
ENSG00000198561	catenin (cadherin-associated protein), delta 1
ENSG00000154380	enabled homolog (Drosophila)
ENSG00000197535	myosin VA (heavy chain 12, myoxin)
ENSG00000196586	myosin VI
ENSG00000186575	neurofibromin 2 (merlin)
ENSG00000166579	nudE nuclear distribution gene E homolog (A. nidulans)-like 1
ENSG00000089159	paxillin
ENSG00000075651	phospholipase D1, phosphatidylcholine-specific
ENSG00000180900	scribbled homolog (Drosophila)
ENSG00000142208	v-akt murine thymoma viral oncogene homolog 1
52 genes in CC --- "cytoskeleton"	
ENSEMBL GENE ID	GENE NAME
ENSG00000127914	A kinase (PRKA) anchor protein (yotiao) 9
ENSG00000168397	ATG4 autophagy related 4 homolog B (S. cerevisiae)
ENSG00000130779	CAP-GLY domain containing linker protein 1
ENSG00000049130	KIT ligand
ENSG00000169398	PTK2 protein tyrosine kinase 2
ENSG00000107957	SH3 and PX domains 2A
ENSG00000136754	abl-interactor 1
ENSG00000011426	anillin, actin binding protein
ENSG00000122359	annexin A11
ENSG00000136717	bridging integrator 1
ENSG00000138778	centromere protein E, 312kDa
ENSG00000074054	cytoplasmic linker associated protein 1
ENSG00000106976	dynamamin 1
ENSG00000079805	dynamamin 2
ENSG00000151914	dystonin
ENSG00000154380	enabled homolog (Drosophila)
ENSG00000088367	erythrocyte membrane protein band 4.1-like 1
ENSG00000079819	erythrocyte membrane protein band 4.1-like 2
ENSG00000182473	exocyst complex component 7
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000136068	filamin B, beta (actin binding protein 278)
ENSG00000187239	formin binding protein 1
ENSG00000149503	inner centromere protein antigens 135/155kDa
ENSG00000137177	kinesin family member 13A
ENSG00000126214	kinesin light chain 1
ENSG00000115648	melanophilin
ENSG00000127603	microtubule-actin crosslinking factor 1
ENSG00000138119	myoferlin
ENSG00000128641	myosin IB
ENSG00000066933	myosin IXA
ENSG00000197535	myosin VA (heavy chain 12, myoxin)

ENSG00000196586	myosin VI
ENSG00000196535	myosin XVIII A
ENSG00000186575	neurofibromin 2 (merlin)
ENSG00000137497	nuclear mitotic apparatus protein 1
ENSG00000095906	nucleotide binding protein 2 (MinD homolog, E. coli)
ENSG00000166579	nudE nuclear distribution gene E homolog (A. nidulans)-like 1
ENSG00000089159	paxillin
ENSG00000123349	prefoldin subunit 5
ENSG00000198901	protein regulator of cytokinesis 1
ENSG00000163681	sarcolemma associated protein
ENSG00000178209	similar to Plectin 1 (PLTN) (PCN) (Hemidesmosomal protein 1) (HD1); plectin
ENSG00000147601	similar to telomeric repeat binding factor (NIMA-interacting) 1; telomeric repeat binding factor (NIMA-interacting) 1; telomeric repeat binding factor
ENSG00000183963	smoothelin
ENSG00000095637	sorbin and SH3 domain containing 1
ENSG00000173898	spectrin, beta, non-erythrocytic 2
ENSG00000134278	spire homolog 1 (Drosophila)
ENSG00000040341	staufen, RNA binding protein, homolog 2 (Drosophila)
ENSG00000103197	tuberous sclerosis 2
ENSG00000105397	tyrosine kinase 2
ENSG00000152818	utrophin
ENSG00000142208	v-akt murine thymoma viral oncogene homolog 1

86 genes in CC ---- "plasma membrane"

ENSEMBL GENE ID	GENE NAME
ENSG00000168374	ADP-ribosylation factor 4
ENSG00000175866	BAI1-associated protein 2
ENSG00000112186	CAP, adenylate cyclase-associated protein, 2 (yeast)
ENSG00000026508	CD44 molecule (Indian blood group)
ENSG00000117335	CD46 molecule, complement regulatory protein
ENSG00000196776	CD47 molecule
ENSG00000102181	CD99 molecule-like 2
ENSG00000083857	FAT tumor suppressor homolog 1 (Drosophila)
ENSG00000205336	G protein-coupled receptor 56
ENSG00000049130	KIT ligand
ENSG00000136153	LIM domain 7
ENSG00000110514	MAP-kinase activating death domain
ENSG00000169398	PTK2 protein tyrosine kinase 2
ENSG00000116191	Ral GEF with PH domain and SH3 binding motif 2
ENSG00000140750	Rho GTPase activating protein 17
ENSG00000132694	Rho guanine nucleotide exchange factor (GEF) 11
ENSG00000138674	SEC31 homolog A (S. cerevisiae)
ENSG00000065613	STE20-like kinase (yeast)
ENSG00000110719	T-cell, immune regulator 1, ATPase, H ⁺ transporting, lysosomal V0 subunit A3
ENSG00000136754	abl-interactor 1
ENSG00000100280	adaptor-related protein complex 1, beta 1 subunit

ENSG00000213983	adaptor-related protein complex 1, gamma 2 subunit
ENSG00000174233	adenylate cyclase 6
ENSG00000121281	adenylate cyclase 7
ENSG00000084234	amyloid beta (A4) precursor-like protein 2
ENSG00000197043	annexin A6
ENSG00000131620	anoctamin 1, calcium activated chloride channel
ENSG00000130433	calcium channel, voltage-dependent, gamma subunit 6
ENSG00000171603	calsyntenin 1
ENSG00000074410	carbonic anhydrase XII
ENSG00000198561	catenin (cadherin-associated protein), delta 1
ENSG00000184371	colony stimulating factor 1 (macrophage)
ENSG00000079805	dynamain 2
ENSG00000151914	dystonin
ENSG00000154380	enabled homolog (Drosophila)
ENSG00000063245	epsin 1
ENSG00000112851	erbb2 interacting protein
ENSG00000088367	erythrocyte membrane protein band 4.1-like 1
ENSG00000079819	erythrocyte membrane protein band 4.1-like 2
ENSG00000182473	exocyst complex component 7
ENSG00000117868	family with sequence similarity 62 (C2 domain containing), member B
ENSG00000115414	fibronectin 1
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000187239	formin binding protein 1
ENSG00000112964	growth hormone receptor
ENSG00000171105	insulin receptor
ENSG00000091409	integrin, alpha 6
ENSG00000135424	integrin, alpha 7
ENSG00000132470	integrin, beta 4
ENSG00000157193	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
ENSG00000064547	lysophosphatidic acid receptor 2
ENSG00000076706	melanoma cell adhesion molecule
ENSG00000151276	membrane associated guanylate kinase, WW and PDZ domain containing 1; CNKSR family member 3
ENSG00000081026	membrane associated guanylate kinase, WW and PDZ domain containing 3
ENSG00000127603	microtubule-actin crosslinking factor 1
ENSG00000197965	myelin protein zero-like 1
ENSG00000138119	myoferlin
ENSG00000196586	myosin VI
ENSG00000186575	neurofibromin 2 (merlin)
ENSG00000133961	numb homolog (Drosophila)
ENSG00000089159	paxillin
ENSG00000075651	phospholipase D1, phosphatidylcholine-specific
ENSG00000044446	phosphorylase kinase, alpha 2 (liver)
ENSG00000008710	polycystic kidney disease 1 (autosomal dominant)

ENSG00000156113	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
ENSG00000116396	potassium voltage-gated channel, Shaw-related subfamily, member 4
ENSG00000142949	protein tyrosine phosphatase, receptor type, F
ENSG00000105426	protein tyrosine phosphatase, receptor type, S
ENSG00000112531	quaking homolog, KH domain RNA binding (mouse)
ENSG00000163681	sarcolemma associated protein
ENSG00000180900	scribbled homolog (Drosophila)
ENSG00000130396	similar to Afadin (Protein AF-6); myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4
ENSG00000178209	similar to Plectin 1 (PLTN) (PCN) (Hemidesmosomal protein 1) (HD1); plectin 1, intermediate filament binding protein 500kDa
ENSG00000197375	solute carrier family 22 (organic cation/carnitine transporter), member 5
ENSG00000102078	solute carrier family 25 (mitochondrial carrier, brain), member 14
ENSG00000174669	solute carrier family 29 (nucleoside transporters), member 2
ENSG00000095637	sorbin and SH3 domain containing 1
ENSG00000174111	suppressor of cytokine signaling 7
ENSG00000011347	synaptotagmin XVII; synaptotagmin VII
ENSG00000137501	synaptotagmin-like 2
ENSG00000214063	tetraspanin 4
ENSG00000103197	tuberous sclerosis 2
ENSG00000152818	utrophin
ENSG00000133703	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
ENSG00000142208	v-akt murine thymoma viral oncogene homolog 1
ENSG00000197415	ventricular zone expressed PH domain homolog 1 (zebrafish)
12 genes in CC --- "cell cortex"	
ENSEMBL GENE ID	GENE NAME
ENSG00000011426	anillin, actin binding protein
ENSG00000074054	cytoplasmic linker associated protein 1
ENSG00000079819	erythrocyte membrane protein band 4.1-like 2
ENSG00000090989	exocyst complex component 1
ENSG00000182473	exocyst complex component 7
ENSG00000196924	filamin A, alpha (actin binding protein 280)
ENSG00000136068	filamin B, beta (actin binding protein 278)
ENSG00000187239	formin binding protein 1
ENSG00000127603	microtubule-actin crosslinking factor 1
ENSG00000196586	myosin VI
ENSG00000173898	spectrin, beta, non-erythrocytic 2
ENSG00000152818	utrophin