

Appendix table A.2.3.1 Full table of all chicken proteins and human orthologs

Pool	Accession	Human Gene	Human Protein	Human Product	Cell comp.	AngioS core	log2(FC)	Endo Specific
CIKL	F1NWM6	KDR	NP_002244	kinase insert domain receptor (a type III receptor tyrosine kinase)	M	94	4	
CWT	Q8AYD0	CDH5	NP_001786	cadherin 5, type 2 (vascular endothelium)	M	90	8.45	specific
CWT	Q8AYD0	CDH5	NP_001786	cadherin 5, type 2 (vascular endothelium)	M	90	8.45	specific
CIKL	F1P1Y9	CDH5	NP_001786	cadherin 5, type 2 (vascular endothelium)	M	90	8.45	specific
CIKL	F1P1Y9	CDH5	NP_001786	cadherin 5, type 2 (vascular endothelium)	M	90	8.45	specific
CIKL	F1N871	FLT4	NP_891555	fms-related tyrosine kinase 4	M	86	-1.71	
CWT	O73739	EDNRA	NP_001948	endothelin receptor type A	M	81	-8	
CIKL	O73739	EDNRA	NP_001948	endothelin receptor type A	M	81	-8	
CWT	Q4ADW2	PROCR	NP_006395	protein C receptor, endothelial	M	80	-0.36	
CIKL	Q4ADW2	PROCR	NP_006395	protein C receptor, endothelial	M	80	-0.36	
CIKL	F1NFAQ9	TEK	NP_000450	TEK tyrosine kinase, endothelial	M	77	7.3	specific
CWT	Q9DGN6	ECE1	NP_001106819	endothelin converting enzyme 1	M	74	-0.31	
CIKL	Q9DGN6	ECE1	NP_001106819	endothelin converting enzyme 1	M	74	-0.31	
CWT	F1NIF0	CA9	NP_001207	carbonic anhydrase IX	I	74		
CIKL	F1NIF0	CA9	NP_001207	carbonic anhydrase IX	I	74		
CWT	E1BZU7	AOC3	NP_003725	amine oxidase, copper containing 3 (vascular adhesion protein 1)	M	70		
CIKL	E1BZU7	AOC3	NP_003725	amine oxidase, copper containing 3 (vascular adhesion protein 1)	M	70		
CWT	O93419	COL18A1	NP_569712	collagen, type XVIII, alpha 1	E	70	-2.13	
CIKL	O93419	COL18A1	NP_569712	collagen, type XVIII, alpha 1	E	70	-2.13	
CIKL	F1P201	VCAM1	NP_001186763	vascular cell adhesion molecule 1	M	70	-0.35	
CWT	F1NZJ5	PECAM1	NP_000433	platelet/endothelial cell adhesion molecule	M	70	5.56	
CIKL	F1NMM7	PECAM1	NP_000433	platelet/endothelial cell adhesion molecule	M	70	5.56	
CWT	Q8UVQ9	NRP2	NP_003863	neuropilin 2	M	69	0.4	

CIKL	Q8UVR0	NRP2	NP_003863	neuropilin 2	M	69	0.4	
CWT	E1BTE2	SERPINB5	NP_002630	serpin peptidase inhibitor, clade B (ovalbumin), member 5	E	68	2.72	specific
CIKL	E1BTE2	SERPINB5	NP_002630	serpin peptidase inhibitor, clade B (ovalbumin), member 5	E	68	2.72	specific
CIKL	F1NGB2	TUSC5	NP_758955	tumor suppressor candidate 5	M	67		
CWT	F1N8P1	NRP1	NP_001231902	neuropilin 1	M	66	2.68	
CIKL	F1N8P1	NRP1	NP_001231902	neuropilin 1	M	66	2.68	
CWT	Q9DER2	ANGPT2	NP_001138	angiopoietin 2	E	66	10.68	specific
CIKL	Q9DER2	ANGPT2	NP_001138	angiopoietin 2	E	66	10.68	specific
CWT	Q90989	MCAM	NP_006491	melanoma cell adhesion molecule	M	65	1.95	
CIKL	Q98921	MCAM	NP_006491	melanoma cell adhesion molecule	M	65	1.95	
CIKL	F1N824	CADM1	NP_055148	cell adhesion molecule 1	M	65	-2.38	
CWT	F1NVP4	IGFBP7	NP_001544	insulin-like growth factor binding protein 7	E	63	0.17	
CIKL	F1NVP4	IGFBP7	NP_001544	insulin-like growth factor binding protein 7	E	63	0.17	
CWT	Q5QHR9	ADAM17	NP_003174	ADAM metalloproteinase domain 17	M	63	2.95	
CIKL	Q5QHR9	ADAM17	NP_003174	ADAM metalloproteinase domain 17	M	63	2.95	
CWT	Q27J90	ANG	NP_001091046	angiogenin, ribonuclease, RNase A family, 5	E	62	-2.07	
CWT	F1NGV4	TIE1	NP_005415	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	M	62	2.4	
CIKL	F1NGV4	TIE1	NP_005415	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	M	62	2.4	
CWT	F1NGT5	CDCP1	NP_073753	CUB domain containing protein 1	M	59	-2.57	
CIKL	F1NGT5	CDCP1	NP_073753	CUB domain containing protein 1	M	59	-2.57	
CWT	E1BRP7	ENG	NP_001108225	endoglin	M	59	3.63	
CWT	Q6B0K7	ENG	NP_001108225	endoglin	M	59	3.63	
CIKL	E1BT59	ENG	NP_000109	endoglin	M	59	3.63	
CIKL	Q6B0K7	ENG	NP_001108225	endoglin	M	59	3.63	
CWT	F1P2X8	PLXND1	NP_055918	plexin D1	M	58	4.15	specific
CIKL	F1P2X8	PLXND1	NP_055918	plexin D1	M	58	4.15	specific

CWT	Q92062	MFI2	NP_005920	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	E	58	
CWT	E1BVL8	MFI2	NP_005920	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	E	58	
CIKL	E1BVL8	MFI2	NP_005920	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	E	58	
CIKL	F1NVN3	MFI2	NP_005920	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	E	58	
CIKL	E1C728	LRIG1	NP_056356	leucine-rich repeats and immunoglobulin-like domains 1	M	57	-2.33
CWT	F1NSB3	JAM3	NP_116190	junctional adhesion molecule 3	M	57	0.06
CIKL	F1NSB3	JAM3	NP_116190	junctional adhesion molecule 3	M	57	0.06
CWT	F1NYG0	RECK	NP_066934	reversion-inducing-cysteine-rich protein with kazal motifs	M	56	0.54
CIKL	F1NYG0	RECK	NP_066934	reversion-inducing-cysteine-rich protein with kazal motifs	M	56	0.54
CWT	E1BYT9	ANGPTL1	NP_004664	angiopoietin-like 1	E	55	
CWT	Q98TD1	DMBT1	NP_060049	deleted in malignant brain tumors 1	E	55	
CIKL	Q98TD1	DMBT1	NP_060049	deleted in malignant brain tumors 1	E	55	
CWT	F1P0J8	THBS1	NP_003237	thrombospondin 1	E	55	3.24
CIKL	F1P0J8	THBS1	NP_003237	thrombospondin 1	E	55	3.24
CWT	F1NG86	FGFBP1	NP_005121	fibroblast growth factor binding protein 1	E	55	-8.79
CIKL	F1NG86	FGFBP1	NP_005121	fibroblast growth factor binding protein 1	E	55	-8.79
CIKL	O57535	NME1-NME2	NP_001018146	NME1-NME2 readthrough	I	54	-1.36
CIKL	F1NPG7	STAB1	NP_055951	stabilin 1	M	53	0.41
CWT	E1C9I1	LYVE1	NP_006682	lymphatic vessel endothelial hyaluronan receptor 1	M	53	4.94 specific
CIKL	E1C9I1	LYVE1	NP_006682	lymphatic vessel endothelial hyaluronan receptor 1	M	53	4.94 specific
CWT	E1C7H6	SERPINF1	NP_002606	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	E	52	-9.3
CIKL	E1C7H6	SERPINF1	NP_002606	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	E	52	-9.3
CIKL	E1C9E2	PROM1	NP_006008	prominin 1	M	51	-9.43
CWT	E1BY59	ENPP2	NP_001035181	ectonucleotide pyrophosphatase/phosphodiesterase 2	M	51	2.65

CIKL	E2RUH0	ENPP2	NP_001035181	ectonucleotide pyrophosphatase/phosphodiesterase 2	M	51	2.65	
CIKL	Q2LK54	COLEC12	NP_569057	collectin sub-family member 12	M	50	1.75	specific
CWT	E1C0K5	EDIL3	NP_005702	EGF-like repeats and discoidin I-like domains 3	E	50	-7.03	
CIKL	E1C0K5	EDIL3	NP_005702	EGF-like repeats and discoidin I-like domains 3	E	50	-7.03	
CIKL	E1C442	KLF2	NP_057354	Kruppel-like factor 2 (lung)	I	50		
CWT	Q90839	DKK3	NP_056965	dickkopf 3 homolog (Xenopus laevis)	E	49	0.52	
CIKL	Q90839	DKK3	NP_056965	dickkopf 3 homolog (Xenopus laevis)	E	49	0.52	
CIKL	F1NW09	PDGFRA	NP_006197	platelet-derived growth factor receptor, alpha polypeptide	M	49	-4.54	
CIKL	Q5ZLD1	FH	NP_000134	fumarate hydratase	I	48	-1.09	
CIKL	F1NBU9	CD44	NP_001001391	CD44 molecule (Indian blood group)	M	47	-1.59	
CWT	F1NL79	ALCAM	NP_001618	activated leukocyte cell adhesion molecule	E	46	1.2	
CIKL	F1NL79	ALCAM	NP_001618	activated leukocyte cell adhesion molecule	E	46	1.2	
CWT	Q7ZZY5	TNFRSF6B	NP_003814	tumor necrosis factor receptor superfamily, member 6b, decoy	M	46		
CIKL	F1NCY6	TNFRSF6B	NP_003814	tumor necrosis factor receptor superfamily, member 6b, decoy	M	46		
CWT	E1C3U7	LOXL2	NP_002309	lysyl oxidase-like 2	E	45	-1.8	
CIKL	E1C3U7	LOXL2	NP_002309	lysyl oxidase-like 2	E	45	-1.8	
CWT	F1NWS1	ITGAV	NP_001138472	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	M	45	1.5	
CWT	F1NWS1	ITGAV	NP_001138472	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	M	45	1.5	
CIKL	F1NGX1	ITGAV	NP_002201	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	M	45	1.5	
CIKL	P26008	ITGAV	NP_002201	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	M	45	1.5	
CWT	F1NGT0	F3	NP_001984	coagulation factor III (thromboplastin, tissue factor)	E	45	-0.26	
CIKL	F1NGT0	F3	NP_001984	coagulation factor III (thromboplastin, tissue factor)	E	45	-0.26	
CWT	F1NUG5	SRPX	NP_006298	sushi-repeat containing protein, X-linked	E	44	6.79	specific
CIKL	F1NUG5	SRPX	NP_006298	sushi-repeat containing protein, X-linked	E	44	6.79	specific
CIKL	E1BY32	CYP2W1	NP_060251	cytochrome P450, family 2, subfamily W, polypeptide 1	I	44	2.31	specific

CWT	Q2EJ72	ERBB2	NP_004439	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	I	44	-7.03	
CIKL	Q2EJ72	ERBB2	NP_004439	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	I	44	-7.03	
CWT	P17790	BSG	NP_001719	basigin (Ok blood group)	I	44	-4.83	
CIKL	P17790	BSG	NP_001719	basigin (Ok blood group)	I	44	-4.83	
CIKL	F1NE57	ANGPTL2	NP_036230	angiopoietin-like 2	E	44	0.05	
CIKL	A0M8T9	MET	NP_000236	met proto-oncogene (hepatocyte growth factor receptor)	M	44	-0.82	
CIKL	F1P3T8	COL4A6	NP_001838	collagen, type IV, alpha 6	E	43		
CIKL	F1NAF9	GPR124	NP_116166	G protein-coupled receptor 124	M	43	-1.15	
CWT	F1NVL9	THBD	NP_000352	thrombomodulin	M	43	4.78	specific
CIKL	F1NVL9	THBD	NP_000352	thrombomodulin	M	43	4.78	specific
CWT	P33150	CDH13	NP_001248	cadherin 13, H-cadherin (heart)	M	42	4.35	
CIKL	P33150	CDH13	NP_001248	cadherin 13, H-cadherin (heart)	M	42	4.35	
CWT	F1NTB3	THBS2	NP_003238	thrombospondin 2	E	42	-8.98	
CIKL	P35440	THBS2	NP_003238	thrombospondin 2	E	42	-8.98	
CIKL	F1NAE9	MMRN1	NP_031377	multimerin 1	E	42	9.54	specific
CWT	Q2XNL5	TNFAIP6	NP_009046	tumor necrosis factor, alpha-induced protein 6	E	42		
CWT	F1P291	SPARC	NP_003109	secreted protein, acidic, cysteine-rich (osteonectin)	E	41	0.16	
CIKL	F1P291	SPARC	NP_003109	secreted protein, acidic, cysteine-rich (osteonectin)	E	41	0.16	
CIKL	O42486	CTNNB1	NP_001091680	catenin (cadherin-associated protein), beta 1, 88kDa	E	41	2.63	
CWT	E1BX79	CDH17	NP_001138135	cadherin 17, LI cadherin (liver-intestine)	M	41	-6.1	
CIKL	E1BX79	CDH17	NP_001138135	cadherin 17, LI cadherin (liver-intestine)	M	41	-6.1	
CWT	F1N8W3	POSTN	NP_001129406	periostin, osteoblast specific factor	E	40	0.98	
CWT	Q6DMS3	POSTN	NP_006466	periostin, osteoblast specific factor	E	40	0.98	
CIKL	F1N8W3	POSTN	NP_001129406	periostin, osteoblast specific factor	E	40	0.98	
CIKL	F1P4N9	POSTN	NP_006466	periostin, osteoblast specific factor	E	40	0.98	
CIKL	E1C2J0	ANTXR1	NP_115584	anthrax toxin receptor 1	M	40	0.86	
CWT	F1N851	ENTPD1	NP_001091645	ectonucleoside triphosphate diphosphohydrolase 1	M	40	-0.33	
CIKL	F1N851	ENTPD1	NP_001091645	ectonucleoside triphosphate diphosphohydrolase 1	M	40	-0.33	

CWT	F1P1Y0	CDH11	NP_001788	cadherin 11, type 2, OB-cadherin (osteoblast)	M	40	-2.64
CIKL	O93319	CDH11	NP_001788	cadherin 11, type 2, OB-cadherin (osteoblast)	M	40	-2.64
CWT	F1NUQ4	ANGPTL4	NP_647475	angiopoietin-like 4	E	40	-0.74
CIKL	F1NUQ4	ANGPTL4	NP_647475	angiopoietin-like 4	E	40	-0.74
CWT	P19966	TAGLN	NP_001001522	transgelin	I	40	-
							11.3
							2
CIKL	F1NJF7	TAGLN	NP_001001522	transgelin	I	40	-
							11.3
							2
CWT	F1NPG2	IDH1	NP_005887	isocitrate dehydrogenase 1 (NADP+), soluble	I	39	0.34
CIKL	F1NPG2	IDH1	NP_005887	isocitrate dehydrogenase 1 (NADP+), soluble	I	39	0.34
CWT	Q08757	MST1R	NP_002438	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	M	39	-6.1
CIKL	Q08757	MST1R	NP_002438	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	M	39	-6.1
CWT	F1NHC7	EPHB2	NP_004433	EPH receptor B2	M	39	0.69
CIKL	F1NAX7	EPHB2	NP_059145	EPH receptor B2	M	39	0.69
CIKL	F1NHC7	EPHB2	NP_004433	EPH receptor B2	M	39	0.69
CWT	Q90W83	AKR1B10	NP_064695	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59
CWT	E1C1I6	AKR1B10	NP_064695	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59
CWT	F1NT57	AKR1B10	NP_064695	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59
CIKL	E1C1I6	AKR1B10	NP_064695	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59
CIKL	F1NT57	AKR1B10	NP_064695	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59
CIKL	Q90W83	AKR1B10	NP_064695	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59
CIKL	F1P039	CAV1	NP_001744	caveolin 1, caveolae protein, 22kDa	I	39	4.78
CWT	F1NZT4	NT5E	NP_002517	5'-nucleotidase, ecto (CD73)	M	38	0.89
CIKL	F1NZT4	NT5E	NP_002517	5'-nucleotidase, ecto (CD73)	M	38	0.89
CIKL	F1NS21	TP53I11	NP_001070255	tumor protein p53 inducible protein 11	M	38	-0.52
CIKL	F1NW88	STAB2	NP_060034	stabilin 2	M	38	-7.03
CWT	Q90824	TNC	NP_002151	tenascin C	E	38	-3.39

CWT	Q90824	TNC	NP_002151	tenascin C	E	38	-3.39	
CWT	Q90996	TNC	NP_002151	tenascin C	E	38	-3.39	
CIKL	F1N8F4	TNC	NP_002151	tenascin C	E	38	-3.39	
CIKL	Q90996	TNC	NP_002151	tenascin C	E	38	-3.39	
CIKL	P10039	TNC	NP_002151	tenascin C	E	38	-3.39	
CIKL	Q5ZKJ6	CD200	NP_005935	CD200 molecule	M	38	-2.64	
CIKL	F1NHG5	SLIT2	NP_004778	slit homolog 2 (Drosophila)	E	38		
CWT	Q5F381	EPCAM	NP_002345	epithelial cell adhesion molecule	M	38	-8.57	
CIKL	F1NV09	EPCAM	NP_002345	epithelial cell adhesion molecule	M	38	-8.57	
CWT	Q90611	MMP2	NP_004521	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	E	38	-1.02	
CIKL	Q90611	MMP2	NP_004521	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	E	38	-1.02	
CWT	P33145	CDH1	NP_004351	cadherin 1, type 1, E-cadherin (epithelial)	M	38	-4.8	
CWT	P08641	CDH1	NP_004351	cadherin 1, type 1, E-cadherin (epithelial)	M	38	-4.8	
CIKL	P08641	CDH1	NP_004351	cadherin 1, type 1, E-cadherin (epithelial)	M	38	-4.8	
CIKL	P33145	CDH1	NP_004351	cadherin 1, type 1, E-cadherin (epithelial)	M	38	-4.8	
CWT	P28318	S100P	NP_005971	S100 calcium binding protein P	I	38	1.75	specific
CIKL	P28318	S100P	NP_005971	S100 calcium binding protein P	I	38	1.75	specific
CWT	E1BTN6	PODN	NP_001186009	podocan	E	38		
CIKL	E1BTN6	PODN	NP_001186009	podocan	E	38		
CWT	Q5ZMG2	CLDN1	NP_066924	claudin 1	M	37	-8.23	
CIKL	Q5ZMG2	CLDN1	NP_066924	claudin 1	M	37	-8.23	
CIKL	O57604	PODXL	NP_005388	podocalyxin-like	M	37	4.69	
CWT	F1NN41	PXDN	NP_036425	peroxidasin homolog (Drosophila)	M	37	0.69	
CIKL	E1C0J1	PXDN	NP_036425	peroxidasin homolog (Drosophila)	M	37	0.69	
CIKL	F1NN41	PXDN	NP_036425	peroxidasin homolog (Drosophila)	M	37	0.69	
CIKL	D0VWW3	SDHC	NP_002992	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	I	37	-1.7	
CIKL	P10288	CDH2	NP_001783	cadherin 2, type 1, N-cadherin (neuronal)	M	36	-3	

CWT	F1NDP3	FAP	NP_004451	fibroblast activation protein, alpha	E	36	-2.08	
CIKL	F1NDP3	FAP	NP_004451	fibroblast activation protein, alpha	E	36	-2.08	
CWT	F1NSZ5	LAMA4	NP_001098676	laminin, alpha 4	E	36	2.04	
CIKL	F1NSZ5	LAMA4	NP_001098676	laminin, alpha 4	E	36	2.04	
CWT	Q5UMH8	PTX3	NP_002843	pentraxin 3, long	E	36	1.98	
CIKL	F1NYP7	PTX3	NP_002843	pentraxin 3, long	E	36	1.98	
CIKL	E1BWU6	PLXNB1	NP_001123554	plexin B1	M	35	-5.52	
CWT	Q5ZM22	ITGA9	NP_002198	integrin, alpha 9	M	35	0.82	specific
CIKL	F1NI94	ITGA9	NP_002198	integrin, alpha 9	M	35	0.82	specific
CIKL	Q9YGX6	WNT5A	NP_003383	wingless-type MMTV integration site family, member 5A	E	35	-1.71	
CWT	F1NI56	CD276	NP_001019907	CD276 molecule	M	35	-2.64	
CWT	Q6PVY9	SFN	NP_006133	stratifin	E	35	-9.56	
CIKL	Q6PVY9	SFN	NP_006133	stratifin	E	35	-9.56	
CWT	E1C8R2	MSLN	NP_005814	mesothelin	E	35		
CWT	F1NZV7	MSLN	NP_005814	mesothelin	E	35		
CIKL	E1C8R2	MSLN	NP_005814	mesothelin	E	35		
CIKL	F1NZV7	MSLN	NP_005814	mesothelin	E	35		
CIKL	Q98892	OPCML	NP_001012393	opioid binding protein/cell adhesion molecule-like	M	35		
CIKL	Q07494	EPHB1	NP_004432	EPH receptor B1	M	35	4.02	specific
CWT	F1NG70	CSPG4	NP_001888	chondroitin sulfate proteoglycan 4	M	35		
CIKL	F1NG70	CSPG4	NP_001888	chondroitin sulfate proteoglycan 4	M	35		
CIKL	F1NV24	SDC1	NP_001006947	syndecan 1	I	35	-9.97	
CIKL	F1NMQ6	PTPRO	NP_109592	protein tyrosine phosphatase, receptor type, O	M	34	-7.03	
CWT	P01013	SERPINB9	NP_004146	serpin peptidase inhibitor, clade B (ovalbumin), member 9	E	34	2.56	
CWT	P01013	SERPINB9	NP_004146	serpin peptidase inhibitor, clade B (ovalbumin), member 9	E	34	2.56	
CIKL	P01013	SERPINB9	NP_004146	serpin peptidase inhibitor, clade B (ovalbumin), member 9	E	34	2.56	
CWT	F1NLW7	ST14	NP_068813	suppression of tumorigenicity 14 (colon carcinoma)	E	34	-8.57	
CIKL	F1NLW7	ST14	NP_068813	suppression of tumorigenicity 14 (colon carcinoma)	E	34	-8.57	
CWT	E1C1G2	AFP	NP_001125	alpha-fetoprotein	E	34		

CIKL	E1C1G2	AFP	NP_001125	alpha-fetoprotein	E	34	
CWT	E1BV34	MSN	NP_002435	moesin	I	34	-0.7
CWT	F1NUE3	ITGA4	NP_000876	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	M	34	1.4
CIKL	F1NUE3	ITGA4	NP_000876	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	M	34	1.4
CIKL	E1C587	TACC1	NP_006274	transforming, acidic coiled-coil containing protein 1	I	33	3.3
CIKL	F1NB98	KIAA1161	NP_065753	KIAA1161	M	33	-0.74
CIKL	Q9DDD2	CD40	NP_001241	CD40 molecule, TNF receptor superfamily member 5	M	33	-1.49
CIKL	F1NPV5	SFRP1	NP_003003	secreted frizzled-related protein 1	E	33	-8
CWT	C7G541	RARRES1	NP_996846	retinoic acid receptor responder (tazarotene induced) 1	M	33	-9.43
CIKL	C7G541	RARRES1	NP_996846	retinoic acid receptor responder (tazarotene induced) 1	M	33	-9.43
CWT	O73790	SERPINB1 0	NP_005015	serpin peptidase inhibitor, clade B (ovalbumin), member 10	I	33	
CIKL	F1NVE6	ANO4	NP_849148	anoctamin 4	M	33	
CIKL	E1BXH1	CACNA2D 2	NP_001167522	calcium channel, voltage-dependent, alpha 2/delta subunit 2	M	33	
CIKL	O73790	SERPINB1 0	NP_005015	serpin peptidase inhibitor, clade B (ovalbumin), member 10	I	33	
CWT	Q90ZM3	ITGA5	NP_002196	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	M	33	1.24
CIKL	Q90ZM3	ITGA5	NP_002196	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	M	33	1.24
CWT	E1C0S3	EGFR	NP_005219	epidermal growth factor receptor	M	33	-5.33
CIKL	F1NAE2	EGFR	NP_005219	epidermal growth factor receptor	M	33	-5.33
CWT	Q6T683	ITGB5	NP_002204	integrin, beta 5	M	33	-0.22
CIKL	Q6T683	ITGB5	NP_002204	integrin, beta 5	M	33	-0.22
CWT	Q9YGW6	EZR	NP_001104547	ezrin	I	33	-1.75
CIKL	F1P3H9	EZR	NP_001104547	ezrin	I	33	-1.75
CIKL	F1P3H9	EZR	NP_001104547	ezrin	I	33	-1.75
CWT	Q5ZMF6	TRAP1	NP_057376	TNF receptor-associated protein 1	I	33	-4.39
CIKL	Q98TD0	EPHA1	NP_005223	EPH receptor A1	M	33	
CWT	E1B XK1	LAMC2	NP_005553	laminin, gamma 2	E	33	-3.54

CIKL	E1BXK1	LAMC2	NP_005553	laminin, gamma 2	E	33	-3.54	
CWT	Q5ZII8	CD151	NP_001034579	CD151 molecule (Raph blood group)	M	33	-5.19	
CIKL	Q5ZII8	CD151	NP_001034579	CD151 molecule (Raph blood group)	M	33	-5.19	
CWT	Q6KDZ1	HSPG2	NP_005520	heparan sulfate proteoglycan 2	E	32	-1.28	
CWT	F1NAT6	HSPG2	NP_005520	heparan sulfate proteoglycan 2	E	32	-1.28	
CIKL	F1NAT6	HSPG2	NP_005520	heparan sulfate proteoglycan 2	E	32	-1.28	
CIKL	Q6KDZ1	HSPG2	NP_005520	heparan sulfate proteoglycan 2	E	32	-1.28	
CWT	F1N8N7	ITGB1	NP_002202	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	M	32	0.63	
CIKL	F1N8N7	ITGB1	NP_002202	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	M	32	0.63	
CIKL	F1NR30	ROBO1	NP_002932	roundabout, axon guidance receptor, homolog 1 (Drosophila)	M	32	-3.2	
CIKL	Q90Z42	ROBO1	NP_598334	roundabout, axon guidance receptor, homolog 1 (Drosophila)	M	32	-3.2	
CWT	Q07212	THY1	NP_006279	Thy-1 cell surface antigen	I	32	-9.43	
CIKL	Q7T252	THY1	NP_006279	Thy-1 cell surface antigen	I	32	-9.43	
CWT	E1BX43	KNG1	NP_000884	kininogen 1	E	32	-8.57	
CWT	F1NYJ5	KNG1	NP_001095886	kininogen 1	E	32	-8.57	
CIKL	E1BX43	KNG1	NP_000884	kininogen 1	E	32	-8.57	
CIKL	Q7LZS0	KNG1	NP_001095886	kininogen 1	E	32	-8.57	
CWT	F1NA27	PTPRG	NP_002832	protein tyrosine phosphatase, receptor type, G	M	31	3.87	specific
CIKL	Q98936	PTPRG	NP_002832	protein tyrosine phosphatase, receptor type, G	M	31	3.87	specific
CIKL	E1C7E1	HRSP12	NP_005827	heat-responsive protein 12	I	31	-2.23	
CIKL	P50890	RPSA	NP_002286	ribosomal protein SA	I	31	-3.32	
CIKL	P27463	ALDH1A1	NP_000680	aldehyde dehydrogenase 1 family, member A1	I	31	4.21	
CIKL	O02869	LSAMP	NP_002329	limbic system-associated membrane protein	M	31		
CWT	F1NDN9	KRT19	NP_002267	keratin 19	I	31	-	
							13.0	
							6	
CIKL	O93256	KRT19	NP_002267	keratin 19	I	31	-	
							13.0	
							6	

CIKL	E1C7K6	FOLH1	NP_001180400	folate hydrolase (prostate-specific membrane antigen) 1	M	31	
CWT	F1NG99	IGF1R	NP_000866	insulin-like growth factor 1 receptor	M	30	1.63
CIKL	F1NG99	IGF1R	NP_000866	insulin-like growth factor 1 receptor	M	30	1.63
CWT	F1N868	PDGFRB	NP_002600	platelet-derived growth factor receptor, beta polypeptide	M	30	-8.79
CIKL	F1N868	PDGFRB	NP_002600	platelet-derived growth factor receptor, beta polypeptide	M	30	-8.79
CIKL	Q90665	SEMA4D	NP_006369	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D	E	30	-1.71
CWT	F1NJA4	SERPINB3	NP_008850	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
CWT	E1BTF4	SERPINB3	NP_008850	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
CWT	P01012	SERPINB3	NP_008850	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
CIKL	E1BTF4	SERPINB3	NP_008850	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
CIKL	F1NJA4	SERPINB3	NP_008850	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
CIKL	P01012	SERPINB3	NP_008850	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
CWT	F1P2Q3	COL4A2	NP_001837	collagen, type IV, alpha 2	E	30	-3.29
CIKL	F1P2Q3	COL4A2	NP_001837	collagen, type IV, alpha 2	M	30	-3.29
CWT	Q8QFX0	ADAM10	NP_001101	ADAM metallopeptidase domain 10	M	30	2.93
CIKL	F1P1J6	ADAM10	NP_001101	ADAM metallopeptidase domain 10	M	30	2.93
CIKL	F1NYI0	COL15A1	NP_001846	collagen, type XV, alpha 1	E	30	4.15 specific
CIKL	P46896	SLC2A1	NP_006507	solute carrier family 2 (facilitated glucose transporter), member 1	M	30	-0.11
CWT	F1NBG2	EMILIN2	NP_114437	elastin microfibril interfacer 2	E	30	
CIKL	F1NBG2	EMILIN2	NP_114437	elastin microfibril interfacer 2	E	30	
CWT	Q5ZL82	IDH2	NP_002159	isocitrate dehydrogenase 2 (NADP+), mitochondrial	I	30	-4.68
CIKL	Q5ZL82	IDH2	NP_002159	isocitrate dehydrogenase 2 (NADP+), mitochondrial	I	30	-4.68
CIKL	Q4W5Z3	DNMT3B	NP_787046	DNA (cytosine-5-)-methyltransferase 3 beta	I	30	-7.59
CIKL	E1C906	MYLK	NP_444255	myosin light chain kinase	I	30	-0.41
CWT	P43233	CTSB	NP_680093	cathepsin B	E	30	0.8
CIKL	F1N9D7	CTSB	NP_680093	cathepsin B	E	30	0.8
CWT	F1NZZ2	LAMA5	NP_005551	laminin, alpha 5	E	30	-5.84
CIKL	F1NZZ2	LAMA5	NP_005551	laminin, alpha 5	E	30	-5.84

CWT	F5XVB5	VWF	NP_000543	von Willebrand factor	E	30	8.81	specific
CIKL	F5XVB5	VWF	NP_000543	von Willebrand factor	E	30	8.81	specific
CIKL	F1NX90	SRPX2	NP_055282	sushi-repeat containing protein, X-linked 2	E	29	2.1	
CIKL	E1C341	DCBLD2	NP_563615	discoidin, CUB and LCCL domain containing 2	M	29	-0.08	
CWT	F1NLM4	RHOA	NP_001655	ras homolog gene family, member A	I	29	-1.22	
CWT	F1NBP0	THBS4	NP_003239	thrombospondin 4	E	29		
CWT	E1BRC1	CD99	NP_001116370	CD99 molecule	M	29	-0.13	
CIKL	E1BRC1	CD99	NP_001116370	CD99 molecule	M	29	-0.13	
CIKL	E1C8N3	PTPRK	NP_002835	protein tyrosine phosphatase, receptor type, K	M	29	-0.62	
CWT	F4YMA7	JUP	NP_002221	junction plakoglobin	I	29	-2.03	
CIKL	F4YMA7	JUP	NP_002221	junction plakoglobin	I	29	-2.03	
CWT	E1C7A7	VTN	NP_000629	vitronectin	E	29	-8.79	
CIKL	E1C7A7	VTN	NP_000629	vitronectin	E	29	-8.79	
CIKL	Q9PSX7	RHOC	NP_001036144	ras homolog gene family, member C	I	29	-3.05	
CWT	F1P3X7	ESAM	NP_620411	endothelial cell adhesion molecule	M	29	1.5	
CIKL	F1P3X7	ESAM	NP_620411	endothelial cell adhesion molecule	M	29	1.5	
CIKL	E1BTM0	ITIH5	NP_085046	inter-alpha-trypsin inhibitor heavy chain family, member 5	E	29	0.05	
CIKL	G1K340	CDH6	NP_004923	cadherin 6, type 2, K-cadherin (fetal kidney)	M	29	-1.44	
CWT	F1NAU1	GPC4	NP_001439	glypican 4	E	29	-6.1	
CIKL	F1NAU1	GPC4	NP_001439	glypican 4	E	29	-6.1	
CWT	F1NPH3	VWA1	NP_073745	von Willebrand factor A domain containing 1	E	29	-7.03	
CIKL	F1NPH3	VWA1	NP_073745	von Willebrand factor A domain containing 1	E	29	-7.03	
CWT	F1NFB0	GAS1	NP_002039	growth arrest-specific 1	M	29	-8	
CIKL	F1NFB0	GAS1	NP_002039	growth arrest-specific 1	M	29	-8	
CWT	F1NXM7	PSCA	NP_005663	prostate stem cell antigen	M	29		
CIKL	F1NXM7	PSCA	NP_005663	prostate stem cell antigen	M	29		
CWT	F1NGY6	PROC	NP_000303	protein C (inactivator of coagulation factors Va and VIIIa)	E	28	-7.03	
CIKL	F1NGY6	PROC	NP_000303	protein C (inactivator of coagulation factors Va and VIIIa)	E	28	-7.03	
CIKL	Q9IBC9	CD9	NP_001760	CD9 molecule	M	28	2.56	

CWT	F1NHI4	SOD3	NP_003093	superoxide dismutase 3, extracellular	E	28	
CIKL	F1NHI4	SOD3	NP_003093	superoxide dismutase 3, extracellular	E	28	
CIKL	F1P2Q5	FAS	NP_690610	Fas (TNF receptor superfamily, member 6)	M	28	-2.28
CIKL	F1P260	ERBB4	NP_001036064	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	E	28	
CWT	Q5ZMU3	GPI	NP_000166	glucose-6-phosphate isomerase	E	28	3.24
CIKL	Q5ZMU3	GPI	NP_000166	glucose-6-phosphate isomerase	E	28	3.24
CWT	F1P2R3	COL4A1	NP_001836	collagen, type IV, alpha 1	E	28	2.09
CIKL	F1NDF6	COL4A1	NP_001836	collagen, type IV, alpha 1	E	28	2.09
CIKL	F1P2R3	COL4A1	NP_001836	collagen, type IV, alpha 1	E	28	2.09
CWT	Q98TT7	ITGA3	NP_002195	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	M	28	- 11.0 5
CIKL	Q98TT7	ITGA3	NP_002195	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	M	28	- 11.0 5
CWT	E1C992	UPK1B	NP_008883	uroplakin 1B	M	28	1.55
CIKL	E1C992	UPK1B	NP_008883	uroplakin 1B	M	28	1.55
CIKL	F1NWW5	FAT1	NP_005236	FAT tumor suppressor homolog 1 (Drosophila)	I	28	- 10.2 2
CIKL	P02707	CLEC4M	NP_001138376	C-type lectin domain family 4, member M	M	27	-1.15
CWT	F1NXZ1	GPX3	NP_002075	glutathione peroxidase 3 (plasma)	E	27	-4.59
CIKL	F1NPJ8	GPX3	NP_002075	glutathione peroxidase 3 (plasma)	E	27	-4.59
CWT	E1C2A1	ANP32A	NP_006296	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	I	27	-1
CWT	P26007	ITGA6	NP_000201	integrin, alpha 6	M	27	2.67
CIKL	P26007	ITGA6	NP_000201	integrin, alpha 6	M	27	2.67
CWT	Q92071	ITGB3	NP_000203	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	M	27	-2.24
CIKL	F1NS08	ITGB3	NP_000203	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	M	27	-2.24
CWT	P17785	ANXA2	NP_004030	annexin A2	E	27	0.79

CIKL	P17785	ANXA2	NP_004030	annexin A2	E	27	0.79	
CWT	P09652	TUBB3	NP_006077	tubulin, beta 3 class III	I	26	-6.57	
CWT	P09207	TUBB3	NP_006077	tubulin, beta 3 class III	I	26	-6.57	
CIKL	P09652	TUBB3	NP_006077	tubulin, beta 3 class III	I	26	-6.57	
CIKL	P09207	TUBB3	NP_006077	tubulin, beta 3 class III	I	26	-6.57	
CWT	E1C9G7	ITGB4	NP_000204	integrin, beta 4	M	26	-6.51	
CIKL	E1C9G7	ITGB4	NP_000204	integrin, beta 4	M	26	-6.51	
CWT	E1C1K2	PLXNA1	NP_115618	plexin A1	M	26	-7.03	
CIKL	F1N804	PLXNA1	NP_115618	plexin A1	M	26	-7.03	
CIKL	Q67BJ2	MME	NP_009220	membrane metallo-endopeptidase	M	26	-3.2	
CWT	F1N9S7	ANXA1	NP_000691	annexin A1	I	25	3.64	
CIKL	F1N9S7	ANXA1	NP_000691	annexin A1	I	25	3.64	
CWT	F1NGP2	CLU	NP_001822	clusterin	E	25	-2.8	
CIKL	F1N8Q8	CLU	NP_001822	clusterin	E	25	-2.8	
CWT	E1C6Q8	PTPRB	NP_001103224	protein tyrosine phosphatase, receptor type, B	M	25	4.62	
CIKL	F1NKI6	SLC26A1	NP_998778	solute carrier family 26 (sulfate transporter), member 1	M	25	0.82	specific
CWT	E1BXS8	CMBL	NP_620164	carboxymethylenebutenolidase homolog (Pseudomonas)	I	25	0.56	
CIKL	E1BXS8	CMBL	NP_620164	carboxymethylenebutenolidase homolog (Pseudomonas)	I	25	0.56	
CWT	E1C298	B4GALT5	NP_004767	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	M	25	-1.74	
CIKL	E1C298	B4GALT5	NP_004767	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	M	25	-1.74	
CWT	F1NRM8	ERP29	NP_006808	endoplasmic reticulum protein 29	I	25	-2.1	
CWT	O73775	FBLN1	NP_006477	fibulin 1	E	25	-3.62	
CIKL	O73775	FBLN1	NP_006477	fibulin 1	E	25	-3.62	
CIKL	O57579	ANPEP	NP_001141	alanyl (membrane) aminopeptidase	I	25	-4.3	
CIKL	F1NWC5	PLXNC1	NP_005752	plexin C1	I	25	-6.1	
CIKL	F1N9C4	SMPDL3B	NP_055289	sphingomyelin phosphodiesterase, acid-like 3B	E	25		
CIKL	F1N8T2	ITGA2	NP_002194	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	M	25	0.1	
CWT	Q7LZF3	LPA	NP_005568	lipoprotein, Lp(a)	E	25	-6.1	

CIKL	Q7LZF3	LPA	NP_005568	lipoprotein, Lp(a)	E	25	-6.1	
CWT	C5HV42	CALCRL	NP_005786	calcitonin receptor-like	M	25	8	specific
CIKL	C5HV42	CALCRL	NP_005786	calcitonin receptor-like	M	25	8	specific
CIKL	F1NHW2	KCNH1	NP_002229	potassium voltage-gated channel, subfamily H (eag-related), member 1	M	24		
CWT	E1C004	CA4	NP_000708	carbonic anhydrase IV	M	24		
CIKL	E1C004	CA4	NP_000708	carbonic anhydrase IV	M	24		
CWT	Q90953	VCAN	NP_004376	versican	E	24	-	
							10.4	
							9	
CIKL	Q90953	VCAN	NP_004376	versican	E	24	-	
							10.4	
							9	
CWT	F1NX21	CD109	NP_598000	CD109 molecule	M	24	4.16	
CIKL	F1NX20	CD109	NP_598000	CD109 molecule	M	24	4.16	
CIKL	E1BX88	EML4	NP_061936	echinoderm microtubule associated protein like 4	I	24	-1	
CIKL	E1BX89	EML4	NP_061936	echinoderm microtubule associated protein like 4	I	24	-1	
CWT	P08023	ACTA2	NP_001604	actin, alpha 2, smooth muscle, aorta	I	24	-3.52	
CIKL	P08023	ACTA2	NP_001604	actin, alpha 2, smooth muscle, aorta	I	24	-3.52	
CWT	Q5ZI39	PLS3	NP_001129497	plastin 3	I	24	1.74	
CIKL	Q5ZI39	PLS3	NP_001129497	plastin 3	I	24	1.74	
CIKL	F1NYC9	GNMT	NP_061833	glycine N-methyltransferase	I	24		
CWT	E1C6C1	PEBP1	NP_002558	phosphatidylethanolamine binding protein 1	E	24	-2.52	
CIKL	E1C6C1	PEBP1	NP_002558	phosphatidylethanolamine binding protein 1	E	24	-2.52	
CWT	Q5ZLW0	LCP1	NP_002289	lymphocyte cytosolic protein 1 (L-plastin)	I	24	-8.46	
CIKL	Q5ZLW0	LCP1	NP_002289	lymphocyte cytosolic protein 1 (L-plastin)	I	24	-8.46	
CWT	F1NWB7	HSP90B1	NP_003290	heat shock protein 90kDa beta (Grp94), member 1	I	24	-0.68	
CIKL	F1NWB7	HSP90B1	NP_003290	heat shock protein 90kDa beta (Grp94), member 1	I	24	-0.68	
CIKL	F1NSL7	CXADR	NP_001329	coxsackie virus and adenovirus receptor	M	24	3.08	
CWT	Q92070	ITGB2	NP_001120963	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	M	24	-9.78	

CIKL	F1NM67	ITGB2	NP_001120963	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	M	24	-9.78	
CIKL	F1P3S0	FGFR3	NP_000133	fibroblast growth factor receptor 3	M	24	0.82	specific
CWT	P28675	DCN	NP_598010	decorin	E	24	-5.6	
CIKL	P28675	DCN	NP_598010	decorin	E	24	-5.6	
CWT	P08629	TXN	NP_003320	thioredoxin	E	24	3.2	
CIKL	P08629	TXN	NP_003320	thioredoxin	E	24	3.2	
CIKL	F1NL38	HRG	NP_000403	histidine-rich glycoprotein	E	24	-8.98	
CIKL	P18519	NGFR	NP_002498	nerve growth factor receptor	M	24		
CWT	F1NWX6	PLG	NP_000292	plasminogen	E	24	-8.57	
CIKL	F1NWX6	PLG	NP_000292	plasminogen	E	24	-8.57	
CWT	F1NWM8	PTPRM	NP_002836	protein tyrosine phosphatase, receptor type, M	M	23	1.15	
CIKL	F1NWM8	PTPRM	NP_002836	protein tyrosine phosphatase, receptor type, M	M	23	1.15	
CIKL	F1NYL7	RPL11	NP_000966	ribosomal protein L11	I	23	-0.36	
CWT	F1NCM5	PTGR1	NP_001139580	prostaglandin reductase 1	I	23	2.05	
CIKL	Q5ZII4	PTGR1	NP_001139580	prostaglandin reductase 1	I	23	2.05	
CWT	F1NZ86	HSPA9	NP_004125	heat shock 70kDa protein 9 (mortalin)	I	23	-1.7	
CIKL	Q5ZM98	HSPA9	NP_004125	heat shock 70kDa protein 9 (mortalin)	I	23	-1.7	
CIKL	F1NTX8	GPA33	NP_005805	glycoprotein A33 (transmembrane)	M	23		
CIKL	F1NCH8	LAMC3	NP_006050	laminin, gamma 3	E	23		
CIKL	Q90933	L1CAM	NP_000416	L1 cell adhesion molecule	I	23	-7.59	
CWT	E1C041	CPM	NP_001005502	carboxypeptidase M	I	23	1.61	
CIKL	E1C041	CPM	NP_001005502	carboxypeptidase M	I	23	1.61	
CWT	E1BQ95	CD93	NP_036204	CD93 molecule	M	23	7.87	specific
CIKL	E1BQ95	CD93	NP_036204	CD93 molecule	M	23	7.87	specific
CIKL	F1NKK8	PVRL3	NP_056295	poliovirus receptor-related 3	M	23	5.73	specific
CWT	Q788U9	MINPP1	NP_004888	multiple inositol-polyphosphate phosphatase 1	I	23	-1.25	
CIKL	Q92170	MINPP1	NP_004888	multiple inositol-polyphosphate phosphatase 1	I	23	-1.25	
CWT	E1BZN8	HGFAC	NP_001519	HGF activator	E	23		
CIKL	E1BZN8	HGFAC	NP_001519	HGF activator	E	23		

CIKL	Q5ZLI8	CD36	NP_001120916	CD36 molecule (thrombospondin receptor)	M	23	1.88
CWT	F1NJT3	FN1	NP_997647	fibronectin 1	E	22	-1.28
CIKL	F1NJT3	FN1	NP_997647	fibronectin 1	E	22	-1.28
CWT	F1N927	HMGB1	NP_002119	high mobility group box 1	I	22	0.24
CIKL	F1N927	HMGB1	NP_002119	high mobility group box 1	I	22	0.24
CWT	P11501	HSP90AA 1	NP_005339	heat shock protein 90kDa alpha (cytosolic), class A member 1	I	22	-1.2
CIKL	P11501	HSP90AA 1	NP_005339	heat shock protein 90kDa alpha (cytosolic), class A member 1	I	22	-1.2
CWT	Q5ZL65	CD47	NP_001768	CD47 molecule	M	22	3.52
CIKL	Q5ZL65	CD47	NP_001768	CD47 molecule	M	22	3.52
CIKL	Q6XFR1	CD47	NP_001768	CD47 molecule	M	22	3.52
CWT	F1NK40	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CWT	F1NIV0	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CWT	F1NTK2	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CWT	F1NEQ4	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CWT	F1N822	LRRC15	NP_570843	leucine rich repeat containing 15	M	22	
CIKL	F1NEQ4	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CIKL	F1NIV0	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CIKL	F1NK40	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CIKL	F1NTK2	A2ML1	NP_653271	alpha-2-macroglobulin-like 1	E	22	
CIKL	F1N822	LRRC15	NP_570843	leucine rich repeat containing 15	M	22	
CIKL	Q0WYX8	MDGA1	NP_705691	MAM domain containing glycosylphosphatidylinositol anchor 1	M	22	
CWT	E1BTT1	SIRPA	NP_542970	signal-regulatory protein alpha	M	22	-0.66
CIKL	Q2YHU6	SIRPA	NP_542970	signal-regulatory protein alpha	M	22	-0.66
CWT	F1NK49	LAMC1	NP_002284	laminin, gamma 1 (formerly LAMB2)	E	22	-0.05
CIKL	F1NK49	LAMC1	NP_002284	laminin, gamma 1 (formerly LAMB2)	E	22	-0.05
CWT	F1NP21	FSTL1	NP_009016	folliculin-like 1	E	22	0.19
CIKL	F1NP21	FSTL1	NP_009016	folliculin-like 1	E	22	0.19

CWT	P13944	COL12A1	NP_004361	collagen, type XII, alpha 1	E	22	-4.61
CWT	F1NX22	COL12A1	NP_004361	collagen, type XII, alpha 1	E	22	-4.61
CWT	F1NKN1	COL12A1	NP_004361	collagen, type XII, alpha 1	E	22	-4.61
CIKL	P13944	COL12A1	NP_004361	collagen, type XII, alpha 1	E	22	-4.61
CIKL	F1NM33	COL12A1	NP_004361	collagen, type XII, alpha 1	E	22	-4.61
CIKL	F1NX22	COL12A1	NP_004361	collagen, type XII, alpha 1	E	22	-4.61
CWT	F1P4K9	COL11A1	NP_001845	collagen, type XI, alpha 1	E	22	
CIKL	F1P4K9	COL11A1	NP_001845	collagen, type XI, alpha 1	E	22	
CWT	Q90998	TGFB3	NP_001182612	transforming growth factor, beta receptor III	E	22	-0.46
CIKL	Q90998	TGFB3	NP_001182612	transforming growth factor, beta receptor III	M	22	-0.46
CWT	E1C6K8	ITGB6	NP_000879	integrin, beta 6	M	22	-7.59
CWT	F1NXT0	VIM	NP_003371	vimentin	I	21	1.8
CIKL	F1NFH3	VIM	NP_003371	vimentin	I	21	1.8
CWT	F1NDH2	AGT	NP_000020	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	E	21	
CIKL	F1NDH2	AGT	NP_000020	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	E	21	
CWT	Q5ZL72	HSPD1	NP_955472	heat shock 60kDa protein 1 (chaperonin)	E	21	-1.9
CIKL	Q5ZL72	HSPD1	NP_955472	heat shock 60kDa protein 1 (chaperonin)	E	21	-1.9
CIKL	P26932	CNN1	NP_001290	calponin 1, basic, smooth muscle	I	21	-6.1
CIKL	F1P236	NOTCH2	NP_077719	notch 2	M	21	-2.98
CIKL	E1BXD1	STEAP3	NP_878919	STEAP family member 3, metalloredutase	M	21	-2.64
CWT	F1NEF7	LECT2	NP_002293	leukocyte cell-derived chemotaxin 2	E	21	-2.9
CIKL	F1NEF7	LECT2	NP_002293	leukocyte cell-derived chemotaxin 2	E	21	-2.9
CWT	F1NVU4	SLC16A7	NP_004722	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	I	21	
CIKL	E1C9D2	SLC16A7	NP_004722	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	I	21	
CIKL	F1NVU4	SLC16A7	NP_004722	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	I	21	
CWT	O42094	ITGA1	NP_852478	integrin, alpha 1	M	21	0.93

CIKL	E1C0V6	ITGA1	NP_852478	integrin, alpha 1	M	21	0.93	
CIKL	O42094	ITGA1	NP_852478	integrin, alpha 1	M	21	0.93	
CIKL	O42094	ITGA1	NP_852478	integrin, alpha 1	M	21	0.93	
CWT	F1P2Y9	SPINT1	NP_003701	serine peptidase inhibitor, Kunitz type 1	E	21	-7.59	
CIKL	F1P2Y9	SPINT1	NP_003701	serine peptidase inhibitor, Kunitz type 1	E	21	-7.59	
CIKL	Q10751	ACE	NP_000780	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	E	21	1.75	specific
CIKL	Q07496	EPHA4	NP_004429	EPH receptor A4	M	21	-2.64	
CWT	E1BV44	CSE1L	NP_001307	CSE1 chromosome segregation 1-like (yeast)	I	20	-0.83	
CIKL	E1BV44	CSE1L	NP_001307	CSE1 chromosome segregation 1-like (yeast)	I	20	-0.83	
CWT	F1NZ78	ENO1	NP_001419	enolase 1, (alpha)	I	20	-0.79	
CIKL	P51913	ENO1	NP_001419	enolase 1, (alpha)	I	20	-0.79	
CIKL	F1NZ78	ENO1	NP_001419	enolase 1, (alpha)	I	20	-0.79	
CIKL	E1C1G8	FBLN5	NP_006320	fibulin 5	E	20	-4.14	
CWT	F1NJ23	LAMB1	NP_002282	laminin, beta 1	E	20	1.98	
CIKL	F1NJ23	LAMB1	NP_002282	laminin, beta 1	E	20	1.98	
CWT	P02752	FOLR1	NP_057936	folate receptor 1 (adult)	M	20		
CIKL	P02752	FOLR1	NP_057936	folate receptor 1 (adult)	E	20		
CWT	F1P5F9	FGB	NP_005132	fibrinogen beta chain	E	20	-6.68	
CIKL	F1P5F9	FGB	NP_005132	fibrinogen beta chain	E	20	-6.68	
CWT	F1NYN0	NCAM1	NP_000606	neural cell adhesion molecule 1	I	20	-8.57	
CIKL	F1NYN0	NCAM1	NP_000606	neural cell adhesion molecule 1	I	20	-8.57	
CIKL	P13590	NCAM1	NP_000606	neural cell adhesion molecule 1	I	20	-8.57	
CIKL	F1NYN0	NCAM1	NP_000606	neural cell adhesion molecule 1	I	20	-8.57	
CWT	F1NXV9	TGM2	NP_004604	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	I	20	0.71	
CWT	O13265	TGM2	NP_004604	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	I	20	0.71	
CIKL	O13265	TGM2	NP_004604	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	I	20	0.71	
CIKL	F1NLP0	FAT4	NP_078858	FAT tumor suppressor homolog 4 (Drosophila)	M	20	5.08	specific

CWT	F1NMU4	TUBB6	NP_115914	tubulin, beta 6 class V	I	20	0.94
CIKL	P09653	TUBB6	NP_115914	tubulin, beta 6 class V	I	20	0.94
CIKL	E1BZN6	REEP5	NP_005660	receptor accessory protein 5	M	20	0.72
CWT	F1NW35	LDHA	NP_005557	lactate dehydrogenase A	I	20	0.64
CIKL	F1NW35	LDHA	NP_005557	lactate dehydrogenase A	I	20	0.64
CWT	F1N8J0	ACAA2	NP_006102	acetyl-CoA acyltransferase 2	I	20	-1.23
CIKL	Q5ZLW8	ACAA2	NP_006102	acetyl-CoA acyltransferase 2	I	20	-1.23
CWT	F1P196	GPC1	NP_002072	glypican 1	E	20	-3.57
CIKL	F1P150	GPC1	NP_002072	glypican 1	E	20	-3.57
CIKL	F1NHG1	NAALADL 2	NP_996898	N-acetylated alpha-linked acidic dipeptidase-like 2	M	20	-6.1
CIKL	Q91044	NTRK3	NP_002521	neurotrophic tyrosine kinase, receptor, type 3	M	20	-6.1
CIKL	E1BRR0	EGFL6	NP_056322	EGF-like-domain, multiple 6	E	20	-7.03
CWT	E1BQ57	FETUB	NP_055190	fetuin B	E	20	-8
CWT	Q9DE41	FETUB	NP_055190	fetuin B	E	20	-8
CIKL	E1BQ57	FETUB	NP_055190	fetuin B	E	20	-8
CIKL	Q9DE41	FETUB	NP_055190	fetuin B	E	20	-8
CWT	P51890	LUM	NP_002336	lumican	E	20	-9.3
CIKL	P51890	LUM	NP_002336	lumican	E	20	-9.3
CWT	F1NTX3	UNC5C	NP_003719	unc-5 homolog C (C. elegans)	M	20	
CIKL	F1NIC0	UNC5C	NP_003719	unc-5 homolog C (C. elegans)	M	20	
CWT	Q5ZLQ6	YWHAB	NP_003395	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	I	20	0.26
CIKL	Q5ZLQ6	YWHAB	NP_003395	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	I	20	0.26
CIKL	E1C2T6	CD55	NP_000565	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	E	20	-1.85
CIKL	E1C761	ANTXR2	NP_477520	anthrax toxin receptor 2	M	19	0.19
CWT	Q5ZLP4	PPP2R2A	NP_002708	protein phosphatase 2, regulatory subunit B, alpha	I	19	1.24
CWT	Q90593	HSPA5	NP_005338	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	I	19	-1.22

CIKL	Q90593	HSPA5	NP_005338	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	I	19	-1.22	
CWT	F1NW84	NPM1	NP_002511	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	I	19	-0.73	
CIKL	F1NW84	NPM1	NP_002511	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	I	19	-0.73	
CWT	E1BWU2	SERPINE2	NP_001130002	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	E	19	-2.03	
CIKL	E1BWU2	SERPINE2	NP_001130002	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	E	19	-2.03	
CWT	E1C3A6	FBN2	NP_001990	fibrillin 2	E	19	-7.59	
CWT	E1C5P6	FBN2	NP_001990	fibrillin 2	E	19	-7.59	
CIKL	E1C3A6	FBN2	NP_001990	fibrillin 2	E	19	-7.59	
CIKL	E1C5P6	FBN2	NP_001990	fibrillin 2	E	19	-7.59	
CIKL	Q9PUC7	FBN2	NP_001990	fibrillin 2	E	19	-7.59	
CWT	F1NII7	FBN1	NP_000129	fibrillin 1	E	19	0.89	
CIKL	F1NJQ9	FBN1	NP_000129	fibrillin 1	E	19	0.89	
CWT	F1NJF0	C1QBP	NP_001203	complement component 1, q subcomponent binding protein	E	19	-1.84	
CIKL	Q9W7P7	C1QBP	NP_001203	complement component 1, q subcomponent binding protein	E	19	-1.84	
CWT	E1C700	LAMB2	NP_002283	laminin, beta 2 (laminin S)	E	19	-2.64	
CWT	O57484	LAMB2	NP_002283	laminin, beta 2 (laminin S)	E	19	-2.64	
CIKL	F1NX80	LAMB2	NP_002283	laminin, beta 2 (laminin S)	E	19	-2.64	
CIKL	O57484	LAMB2	NP_002283	laminin, beta 2 (laminin S)	E	19	-2.64	
CWT	E1C8K3	ANXA8L2	NP_001621	annexin A8-like 2	E	19	-8.31	
CIKL	E1C8K3	ANXA8L2	NP_001621	annexin A8-like 2	E	19	-8.31	
CIKL	Q9YH58	FTCD	NP_996848	formiminotransferase cyclodeaminase	I	19		
CIKL	F1NIV4	NTM	NP_001137531	neurotrimin	M	19		
CIKL	F1NQ48	PTPRD	NP_002830	protein tyrosine phosphatase, receptor type, D	M	19	-3.57	
CIKL	E1C248	MMP15	NP_002419	matrix metalloproteinase 15 (membrane-inserted)	M	19	0.82	specific
CWT	F1NIS8	EPHB3	NP_004434	EPH receptor B3	M	19	-7.03	
CIKL	Q07498	EPHB3	NP_004434	EPH receptor B3	M	19	-7.03	
CIKL	A0SVH2	ROR2	NP_004551	receptor tyrosine kinase-like orphan receptor 2	M	19		

CWT	F1NRD4	ADIPOQ	NP_001171271	adiponectin, C1Q and collagen domain containing	E	18	-0.43	
CIKL	Q4VKW2	ADIPOQ	NP_001171271	adiponectin, C1Q and collagen domain containing	E	18	-0.43	
CWT	F1N9I4	LTBP1	NP_996826	latent transforming growth factor beta binding protein 1	E	18	-0.44	
CIKL	F1N9I4	LTBP1	NP_996826	latent transforming growth factor beta binding protein 1	E	18	-0.44	
CWT	Q58I02	NAMPT	NP_005737	nicotinamide phosphoribosyltransferase	I	18	-0.26	
CWT	Q05744	CTSD	NP_001900	cathepsin D	E	18	-6.74	
CIKL	Q05744	CTSD	NP_001900	cathepsin D	E	18	-6.74	
CIKL	F1NGX9	HSD17B2	NP_002144	hydroxysteroid (17-beta) dehydrogenase 2	M	18	8.2	specific
CWT	Q7T1N6	POFUT2	NP_598368	protein O-fucosyltransferase 2	I	18	3.29	specific
CIKL	F1NIR2	MFAP5	NP_003471	microfibrillar associated protein 5	E	18	-1.15	
CIKL	Q5F3I1	FGL2	NP_006673	fibrinogen-like 2	E	18	-1.71	
CWT	E1BXB7	CLMP	NP_079045	CXADR-like membrane protein	M	18	-3.57	
CIKL	E1BXB7	CLMP	NP_079045	CXADR-like membrane protein	M	18	-3.57	
CIKL	E1C1A4	AQPEP	NP_776161	laeverin	M	18		
CWT	F1NUF8	AMBP	NP_001624	alpha-1-microglobulin/bikunin precursor	E	18	-8.79	
CIKL	F1NUF8	AMBP	NP_001624	alpha-1-microglobulin/bikunin precursor	E	18	-8.79	
CWT	F1NWT0	ACACA	NP_942136	acetyl-CoA carboxylase alpha	I	18	-1.54	
CWT	F1P5V8	ACACA	NP_942136	acetyl-CoA carboxylase alpha	I	18	-1.54	
CIKL	F1NWT0	ACACA	NP_942136	acetyl-CoA carboxylase alpha	I	18	-1.54	
CIKL	F1P5V8	ACACA	NP_942136	acetyl-CoA carboxylase alpha	I	18	-1.54	
CWT	Q90734	ACTN4	NP_004915	actinin, alpha 4	E	18	-4.55	
CWT	F1NM08	DDX5	NP_004387	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	I	18	0.13	
CIKL	P07916	ELN	NP_001075221	elastin	E	18	-4.54	
CIKL	Q5ZMK9	ADK	NP_006712	adenosine kinase	I	18	2.47	
CIKL	F1NML5	ROR1	NP_005003	receptor tyrosine kinase-like orphan receptor 1	M	18	-2.64	
CWT	F1NIE2	ITIH3	NP_002208	inter-alpha-trypsin inhibitor heavy chain 3	E	18	-7.03	
CIKL	F1N8L7	ITIH3	NP_002208	inter-alpha-trypsin inhibitor heavy chain 3	E	18	-7.03	
CWT	Q90610	NEO1	NP_002490	neogenin 1	M	18	-8	
CIKL	Q90610	NEO1	NP_002490	neogenin 1	M	18	-8	

CWT	G1K326	PRDX1	NP_001189360	peroxiredoxin 1	I	18	-0.3	
CIKL	G1K326	PRDX1	NP_001189360	peroxiredoxin 1	I	18	-0.3	
CWT	Q5ZLC5	ATP5B	NP_001677	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	I	18	-1.62	
CIKL	Q5ZLC5	ATP5B	NP_001677	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	I	18	-1.62	
CWT	Q5ZME1	HNRNPA2 B1	NP_112533	heterogeneous nuclear ribonucleoprotein A2/B1	I	18	-0.03	
CIKL	Q5ZME1	HNRNPA2 B1	NP_112533	heterogeneous nuclear ribonucleoprotein A2/B1	I	18	-0.03	
CIKL	O42283	HSPE1	NP_002148	heat shock 10kDa protein 1 (chaperonin 10)	I	18	4.18	
CWT	F1NJI0	ANXA5	NP_001145	annexin A5	I	18	2.08	
CIKL	F1NJI0	ANXA5	NP_001145	annexin A5	I	18	2.08	
CWT	F1NC87	PLA2R1	NP_001182570	phospholipase A2 receptor 1, 180kDa	M	18	1.75	specific
CIKL	E1C5Y7	PLA2R1	NP_031392	phospholipase A2 receptor 1, 180kDa	M	18	1.75	specific
CIKL	E1C5Y7	PLA2R1	NP_031392	phospholipase A2 receptor 1, 180kDa	M	18	1.75	specific
CWT	F1NWQ6	AGRN	NP_940978	agrin	E	18	-5.1	
CIKL	F1NWQ6	AGRN	NP_940978	agrin	E	18	-5.1	
CWT	Q5ZK99	TGM4	NP_003232	transglutaminase 4 (prostate)	I	18		
CIKL	Q5ZK99	TGM4	NP_003232	transglutaminase 4 (prostate)	I	18		
CWT	P98157	LRP1	NP_002323	low density lipoprotein receptor-related protein 1	M	18	-8	
CIKL	P98157	LRP1	NP_002323	low density lipoprotein receptor-related protein 1	M	18	-8	
CIKL	F1NS75	TNXB	NP_061978	tenascin XB	E	18		
CIKL	P14781	CNTN1	NP_001834	contactin 1	M	18	-7.03	
CWT	E1BX69	EIF2AK3	NP_004827	eukaryotic translation initiation factor 2-alpha kinase 3	I	17	-1.28	
CIKL	E1BX69	EIF2AK3	NP_004827	eukaryotic translation initiation factor 2-alpha kinase 3	I	17	-1.28	
CWT	F1NXV6	F2	NP_000497	coagulation factor II (thrombin)	E	17	-8.57	
CIKL	F1NXV6	F2	NP_000497	coagulation factor II (thrombin)	E	17	-8.57	
CWT	E1C6M8	EFEMP1	NP_001034438	EGF containing fibulin-like extracellular matrix protein 1	E	17	4.46	
CIKL	E1C6M8	EFEMP1	NP_001034438	EGF containing fibulin-like extracellular matrix protein 1	E	17	4.46	

CWT	Q5ZKM2	EEF1A1	NP_001393	eukaryotic translation elongation factor 1 alpha 1	I	17	-1.05	
CIKL	Q5ZKM2	EEF1A1	NP_001393	eukaryotic translation elongation factor 1 alpha 1	I	17	-1.05	
CIKL	F1P2U8	LAMP1	NP_005552	lysosomal-associated membrane protein 1	M	17	-1.7	
CWT	F2Z4M6	YWHAG	NP_036611	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	I	17	-0.06	
CIKL	Q5F3W6	YWHAG	NP_036611	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	I	17	-0.06	
CWT	P24479	S100A11	NP_005611	S100 calcium binding protein A11	I	17	1.47	
CIKL	P24479	S100A11	NP_005611	S100 calcium binding protein A11	I	17	1.47	
CWT	F1NQ51	LAMA3	NP_937762	laminin, alpha 3	E	17	-2.64	
CIKL	F1NQ51	LAMA3	NP_937762	laminin, alpha 3	E	17	-2.64	
CIKL	F1NWS3	PLXNA4	NP_065962	plexin A4	M	17	4.15	specific
CIKL	F1NYW5	PLXNA4	NP_065962	plexin A4	M	17	4.15	specific
CIKL	E1C566	DCHS1	NP_003728	dachsous 1 (Drosophila)	M	17	0.82	specific
CIKL	F1NBF8	FAM82B	NP_057117	family with sequence similarity 82, member B	I	17	-0.98	
CWT	O73840	SERPIND1	NP_000176	serpin peptidase inhibitor, clade D (heparin cofactor), member 1	E	17	-3.2	
CIKL	O73840	SERPIND1	NP_000176	serpin peptidase inhibitor, clade D (heparin cofactor), member 1	E	17	-3.2	
CIKL	E1BYQ7	MXRA5	NP_056234	matrix-remodelling associated 5	E	17	-7.03	
CWT	F1NS93	CPZ	NP_003643	carboxypeptidase Z	E	17	-8.57	
CIKL	F1NS93	CPZ	NP_003643	carboxypeptidase Z	E	17	-8.57	
CWT	E1C1S1	ENPP3	NP_005012	ectonucleotide pyrophosphatase/phosphodiesterase 3	E	17		
CIKL	F1P298	AMDHD1	NP_689648	amidohydrolase domain containing 1	I	17		
CIKL	E1C1S1	ENPP3	NP_005012	ectonucleotide pyrophosphatase/phosphodiesterase 3	E	17		
CWT	F1NCU9	PON2	NP_000296	paraoxonase 2	E	17	2.68	
CIKL	F1NCU9	PON2	NP_000296	paraoxonase 2	E	17	2.68	
CWT	A4VAR9	DAG1	NP_004384	dystroglycan 1 (dystrophin-associated glycoprotein 1)	M	16	-2.54	
CIKL	A4VAR9	DAG1	NP_004384	dystroglycan 1 (dystrophin-associated glycoprotein 1)	M	16	-2.54	
CIKL	F1NDK7	DPP4	NP_001926	dipeptidyl-peptidase 4	M	16	-3.21	

CIKL	Q5Z181	DPP4	NP_001926	dipeptidyl-peptidase 4	M	16	-3.21
CIKL	Q000J5	SLC8A1	NP_066920	solute carrier family 8 (sodium/calcium exchanger), member 1	I	16	
CWT	E1BYG4	CBS	NP_001171480	cystathionine-beta-synthase	I	16	-6.51
CWT	P20136	GSTM4	NP_000841	glutathione S-transferase mu 4	I	16	-2.07
CIKL	P20136	GSTM4	NP_000841	glutathione S-transferase mu 4	I	16	-2.07
CWT	E1C8A1	MST1	NP_066278	macrophage stimulating 1 (hepatocyte growth factor-like)	I	16	-7.03
CIKL	E1C8A1	MST1	NP_066278	macrophage stimulating 1 (hepatocyte growth factor-like)	I	16	-7.03
CIKL	F1NUS6	CHL1	NP_001240316	cell adhesion molecule with homology to L1CAM (close homolog of L1)	E	16	-5.33
CWT	F1NTJ0	F13A1	NP_000120	coagulation factor XIII, A1 polypeptide	E	16	
CIKL	F1NTJ0	F13A1	NP_000120	coagulation factor XIII, A1 polypeptide	E	16	
CWT	E1C037	MUC5AC	XP_003119529	mucin 5AC, oligomeric mucus/gel-forming	E	16	
CWT	Q98UI9	MUC5AC	XP_003119529	mucin 5AC, oligomeric mucus/gel-forming	E	16	
CWT	Q98UI9	MUC5AC	XP_003119529	mucin 5AC, oligomeric mucus/gel-forming	E	16	
CIKL	F1NZY2	MUC5AC	XP_003119529	mucin 5AC, oligomeric mucus/gel-forming	E	16	
CIKL	P15771	NCL	NP_005372	nucleolin	I	16	-0.67
CWT	E1BYR7	KLF15	NP_054798	Kruppel-like factor 15	I	16	-3.57
CIKL	F1NYH6	XPNPEP2	NP_003390	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	M	16	
CWT	P00337	LDHB	NP_001167568	lactate dehydrogenase B	I	16	-1.28
CIKL	P00337	LDHB	NP_001167568	lactate dehydrogenase B	I	16	-1.28
CIKL	Q5ZJ91	SYK	NP_001167639	spleen tyrosine kinase	I	16	-6.42
CWT	F1NP60	MRC2	NP_006030	mannose receptor, C type 2	M	16	-5.69
CIKL	F1NP60	MRC2	NP_006030	mannose receptor, C type 2	M	16	-5.69
CWT	F1NH21	ST13	NP_003923	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	I	16	1.14
CIKL	F1NH21	ST13	NP_003923	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	I	16	1.14
CWT	E1BZE1	AHSG	NP_001613	alpha-2-HS-glycoprotein	E	16	-8
CIKL	E1BZE1	AHSG	NP_001613	alpha-2-HS-glycoprotein	E	16	-8

CIKL	F1NGJ7	CAT	NP_001743	catalase	I	15	-0.84	
CIKL	E1BRI1	GPLD1	NP_001494	glycosylphosphatidylinositol specific phospholipase D1	E	15	-1.09	
CWT	Q0Q5V3	SEMA7A	NP_001139502	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	M	15	-7.03	
CIKL	F1NIZ9	SEMA7A	NP_003603	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	M	15	-7.03	
CIKL	E1C7L9	SLC38A4	NP_001137296	solute carrier family 38, member 4	M	15	-8.31	
CWT	F1DQG4	C7	NP_000578	complement component 7	E	15	3.7	specific
CIKL	F1DQG4	C7	NP_000578	complement component 7	E	15	3.7	specific
CWT	Q5ZLG7	SLC25A6	NP_001627	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	I	15	-4.16	
CIKL	Q5ZLG7	SLC25A6	NP_001627	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	I	15	-4.16	
CIKL	F1NDU7	TMPRSS6	NP_705837	transmembrane protease, serine 6	M	15		
CWT	F1NRW7	HSPA8	NP_006588	heat shock 70kDa protein 8	I	15	-0.75	
CIKL	F1NRW7	HSPA8	NP_006588	heat shock 70kDa protein 8	I	15	-0.75	
CWT	Q1PS52	SLC9A1	NP_003038	solute carrier family 9 (sodium/hydrogen exchanger), member 1	M	15	-3.43	
CIKL	Q1PS52	SLC9A1	NP_003038	solute carrier family 9 (sodium/hydrogen exchanger), member 1	M	15	-3.43	
CIKL	F1NM23	TPM1	NP_001018005	tropomyosin 1 (alpha)	I	15	0.85	
CIKL	F1NJ10	SLC25A5	NP_001143	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	I	15	-0.6	
CWT	F1NI22	ATP5A1	NP_001001937	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	I	15	-0.78	
CIKL	F1NI22	ATP5A1	NP_001001937	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	I	15	-0.78	
CIKL	E1BS37	HSD17B1 1	NP_057329	hydroxysteroid (17-beta) dehydrogenase 11	E	15	-1.7	
CWT	F1N833	PHB2	NP_001138303	prohibitin 2	I	15	-4.09	
CIKL	F1N833	PHB2	NP_001138303	prohibitin 2	I	15	-4.09	
CWT	F1NM47	LAMA1	NP_005550	laminin, alpha 1	E	15	-7.59	

CIKL	F1N8P9	LAMA1	NP_005550	laminin, alpha 1	E	15	-7.59
CIKL	Q90WA9	FABP1	NP_001434	fatty acid binding protein 1, liver	I	15	-8.57
CWT	P09203	TUBB2B	NP_821080	tubulin, beta 2B class IIb	I	15	-8.98
CIKL	G1K338	TUBB2B	NP_821080	tubulin, beta 2B class IIb	I	15	-8.98
CWT	P63247	GNB2L1	NP_006089	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	I	15	-1.69
CIKL	P63247	GNB2L1	NP_006089	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	I	15	-1.69
CIKL	Q8QG67	GPX4	NP_002076	glutathione peroxidase 4 (phospholipid hydroperoxidase)	I	15	-3.85
CWT	F1P112	GDI2	NP_001485	GDP dissociation inhibitor 2	I	15	-1.3
CIKL	F1P112	GDI2	NP_001485	GDP dissociation inhibitor 2	I	15	-1.3
CIKL	Q6RSS8	RTN4	NP_997404	reticulon 4	I	15	-0.05
CIKL	E1BYW3	NQO1	NP_000894	NAD(P)H dehydrogenase, quinone 1	I	15	1.38
CWT	F1P0H7	VCL	NP_003364	vinculin	I	15	1.91
CIKL	P12003	VCL	NP_054706	vinculin	I	15	1.91
CIKL	Q8QFQ7	LIFR	NP_002301	leukemia inhibitory factor receptor alpha	M	15	1.87
CWT	F1NYB1	TUBB4B	NP_006079	tubulin, beta 4B class IVb	I	15	-4.34
CIKL	F1NYB1	TUBB4B	NP_006079	tubulin, beta 4B class IVb	I	15	-4.34
CWT	F1P2U0	F10	NP_000495	coagulation factor X	E	15	-6.1
CIKL	F1P2U0	F10	NP_000495	coagulation factor X	E	15	-6.1
CWT	P08250	APOA1	NP_000030	apolipoprotein A-I	E	15	-9.3
CIKL	F1N8F3	APOA1	NP_000030	apolipoprotein A-I	E	15	-9.3
CWT	Q4ADG4	LTF	NP_002334	lactotransferrin	E	14	-8.57
CWT	Q4ADJ7	LTF	NP_002334	lactotransferrin	E	14	-8.57
CWT	P02789	LTF	NP_002334	lactotransferrin	E	14	-8.57
CIKL	Q4ADG4	LTF	NP_002334	lactotransferrin	E	14	-8.57
CIKL	Q4ADJ7	LTF	NP_002334	lactotransferrin	E	14	-8.57
CIKL	P02789	LTF	NP_002334	lactotransferrin	E	14	-8.57
CWT	Q5ZMS2	PAFAH1B 2	NP_002563	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa)	I	14	4.96

CIKL	Q5ZMS2	PAFAH1B 2	NP_002563	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa)	I	14	4.96	
CIKL	F1NQC6	DHTKD1	NP_061176	dehydrogenase E1 and transketolase domain containing 1	I	14	3.53	
CWT	F1P4P1	FREM2	NP_997244	FRAS1 related extracellular matrix protein 2	M	14	2.72	specific
CIKL	F1P4P1	FREM2	NP_997244	FRAS1 related extracellular matrix protein 2	M	14	2.72	specific
CIKL	F1NMI0	EMILIN3	NP_443078	elastin microfibril interfacier 3	E	14	2.31	specific
CWT	F1NN37	LPHN2	NP_036434	latrophilin 2	M	14	1.93	
CIKL	F1NN37	LPHN2	NP_036434	latrophilin 2	M	14	1.93	
CWT	E1C0T6	FERMT2	NP_006823	fermitin family member 2	I	14	0.14	
CIKL	E1C0T6	FERMT2	NP_006823	fermitin family member 2	I	14	0.14	
CWT	F1NGQ9	FZD1	NP_003496	frizzled family receptor 1	M	14	-1.09	
CIKL	O57328	FZD1	NP_003496	frizzled family receptor 1	M	14	-1.09	
CIKL	F1NXZ3	FAT3	NP_001008781	FAT tumor suppressor homolog 3 (Drosophila)	M	14	-1.66	
CIKL	F1P331	AKR7A2	NP_003680	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	I	14	-2.76	
CWT	F1NX66	PLSCR1	NP_066928	phospholipid scramblase 1	I	14	-2.93	
CIKL	F1NX66	PLSCR1	NP_066928	phospholipid scramblase 1	I	14	-2.93	
CWT	F1NW15	MXRA8	NP_115724	matrix-remodelling associated 8	M	14	-6.1	
CIKL	E1BSV1	DMGDH	NP_037523	dimethylglycine dehydrogenase	I	14	-6.1	
CIKL	F1NLZ4	FMOD	NP_002014	fibromodulin	E	14	-6.1	
CIKL	F1NW15	MXRA8	NP_115724	matrix-remodelling associated 8	M	14	-6.1	
CIKL	F1NF14	SLIT3	NP_003053	slit homolog 3 (Drosophila)	E	14	-6.1	
CIKL	F1NNH6	VASN	NP_612449	vasorin	M	14	-6.1	
CIKL	Q6PVZ2	KRT15	NP_002266	keratin 15	I	14	-8.79	
CWT	O93601	APOA4	NP_000473	apolipoprotein A-IV	E	14		
CIKL	O93601	APOA4	NP_000473	apolipoprotein A-IV	E	14		
CIKL	F1P441	COX1	YP_003024028	cytochrome c oxidase subunit I	I	14		
CIKL	F1NSG1	FNDC1	NP_115921	fibronectin type III domain containing 1	I	14		
CWT	F1NI73	COL3A1	NP_000081	collagen, type III, alpha 1	E	14	-	12.4

							4
CWT	P12105	COL3A1	NP_000081	collagen, type III, alpha 1	E	14	-
							12.4
							4
CIKL	P12105	COL3A1	NP_000081	collagen, type III, alpha 1	E	14	-
							12.4
							4
CIKL	F1NI73	COL3A1	NP_000081	collagen, type III, alpha 1	E	14	-
							12.4
							4
CWT	O93510	GSN	NP_000168	gelsolin	E	14	-0.17
CIKL	O93510	GSN	NP_000168	gelsolin	E	14	-0.17
CIKL	Q90874	IL1R1	NP_000868	interleukin 1 receptor, type I	M	14	-2.38
CWT	B0BL87	TLR2	NP_003255	toll-like receptor 2	M	14	-3.2
CIKL	B0BL87	TLR2	NP_003255	toll-like receptor 2	M	14	-3.2
CWT	F1NNL8	TSPO	NP_000705	translocator protein (18kDa)	I	14	-3.63
CWT	P54939	TLN1	NP_006280	talin 1	I	14	-5.56
CIKL	P54939	TLN1	NP_006280	talin 1	I	14	-5.56
CWT	F1N940	IL6ST	NP_002175	interleukin 6 signal transducer (gp130, oncostatin M receptor)	M	14	1.9
CIKL	F1N940	IL6ST	NP_002175	interleukin 6 signal transducer (gp130, oncostatin M receptor)	M	14	1.9
CWT	F1NJF3	LASP1	NP_006139	LIM and SH3 protein 1	I	14	-0.27
CIKL	F1NJF3	LASP1	NP_006139	LIM and SH3 protein 1	I	14	-0.27
CIKL	F1NVY4	GGT1	NP_001027537	gamma-glutamyltransferase 1	M	14	-7.03
CWT	F1ND55	ADD1	NP_001110	adducin 1 (alpha)	I	14	-3.77
CWT	E1C1V5	NPR3	NP_001191304	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)	M	14	
CIKL	E1C1V5	NPR3	NP_001191304	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)	M	14	
CWT	Q5F491	DDX3X	NP_001180345	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	I	14	0.47
CIKL	F1NIX1	DDX3X	NP_001180345	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	I	14	0.47
CIKL	F1NIX1	DDX3X	NP_001180345	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	I	14	0.47

CWT	Q5ZKC9	YWHAZ	NP_001129174	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	I	14	2.82	
CIKL	Q5ZKC9	YWHAZ	NP_001129174	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	I	14	2.82	
CWT	Q90ZK7	FKBP3	NP_002004	FK506 binding protein 3, 25kDa	I	14	0.37	
CWT	F1NLV8	PTK7	NP_002812	PTK7 protein tyrosine kinase 7	M	14	-1.92	
CIKL	F1NLV8	PTK7	NP_002812	PTK7 protein tyrosine kinase 7	M	14	-1.92	
CIKL	E1BYF1	CTH	NP_001893	cystathionase (cystathionine gamma-lyase)	I	14	-2.64	
CIKL	E1C9C4	HMGCS2	NP_005509	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)	I	14	-9.15	
CWT	F1NDI7	HSP90AB1	NP_031381	heat shock protein 90kDa alpha (cytosolic), class B member 1	I	14	-1.03	
CWT	F1NFS0	EEF2	NP_001952	eukaryotic translation elongation factor 2	I	14	-5.53	
CIKL	F1NFS0	EEF2	NP_001952	eukaryotic translation elongation factor 2	I	14	-5.53	
CWT	E1BRS7	C5	NP_001726	complement component 5	E	14	-3.57	
CIKL	E1BXV7	C5	NP_001726	complement component 5	E	14	-3.57	
CIKL	F1P4C6	BPHL	NP_004323	biphenyl hydrolase-like (serine hydrolase)	I	13	4.15	specific
CIKL	E5L948	SLCO2A1	NP_005621	solute carrier organic anion transporter family, member 2A1	M	13	0.41	
CIKL	E1BQF1	PCDH9	NP_982354	protocadherin 9	M	13	-1.36	
CWT	Q5ZKU6	CNN2	NP_004359	calponin 2	I	13	-1.5	
CIKL	Q5ZKU6	CNN2	NP_004359	calponin 2	I	13	-1.5	
CIKL	F1NB64	ACAA1	NP_001598	acetyl-CoA acyltransferase 1	I	13	-4.03	
CIKL	Q7ZZZ5	FABP2	NP_000125	fatty acid binding protein 2, intestinal	M	13	3.03	specific
CIKL	P35331	NRCAM	NP_001032209	neuronal cell adhesion molecule	M	13	5.73	specific
CWT	Q5ZLZ6	SLC16A1	NP_001159968	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)	M	13	-0.55	
CIKL	Q5ZLZ6	SLC16A1	NP_001159968	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)	M	13	-0.55	
CWT	E1BR10	PRDX3	NP_006784	peroxiredoxin 3	I	13	-0.82	
CIKL	E1BR10	PRDX3	NP_006784	peroxiredoxin 3	I	13	-0.82	
CWT	Q8QFM7	PTGDS	NP_000945	prostaglandin D2 synthase 21kDa (brain)	E	13	-6.1	
CIKL	Q8QFM7	PTGDS	NP_000945	prostaglandin D2 synthase 21kDa (brain)	E	13	-6.1	

CIKL	E1C7G5	GFRA1	NP_005255	GDNF family receptor alpha 1	M	13	-0.54
CIKL	G1K320	GFRA1	NP_001138925	GDNF family receptor alpha 1	M	13	-0.54
CWT	E1BXR4	PHEX	NP_000435	phosphate regulating endopeptidase homolog, X-linked	I	13	
CIKL	E1BXR4	PHEX	NP_000435	phosphate regulating endopeptidase homolog, X-linked	I	13	
CWT	P13731	SERPINH1	NP_001193943	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	I	13	-2.02
CIKL	P13731	SERPINH1	NP_001193943	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	I	13	-2.02
CWT	Q197X2	APOB	NP_000375	apolipoprotein B (including Ag(x) antigen)	E	13	-8.79
CWT	F1NV02	APOB	NP_000375	apolipoprotein B (including Ag(x) antigen)	E	13	-8.79
CIKL	F1NV02	APOB	NP_000375	apolipoprotein B (including Ag(x) antigen)	E	13	-8.79
CIKL	Q197X2	APOB	NP_000375	apolipoprotein B (including Ag(x) antigen)	E	13	-8.79
CWT	F1NPN5	SERPINA5	NP_000615	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	I	13	-7.59
CIKL	F1NPN5	SERPINA5	NP_000615	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	I	13	-7.59
CIKL	F1P338	AIFM1	NP_665811	apoptosis-inducing factor, mitochondrion-associated, 1	I	13	-1.54
CWT	F1NK14	GAPDH	NP_002037	glyceraldehyde-3-phosphate dehydrogenase	I	13	-2.44
CIKL	P00356	GAPDH	NP_002037	glyceraldehyde-3-phosphate dehydrogenase	I	13	-2.44
CIKL	E5DFV0	ND2	YP_003024027	MTND2	I	13	
CWT	E1C7P4	CFH	NP_000177	complement factor H	E	13	1
CIKL	E1C7P4	CFH	NP_000177	complement factor H	E	13	1
CWT	P01038	CST3	NP_000090	cystatin C	E	13	-2.9
CIKL	P01038	CST3	NP_000090	cystatin C	E	13	-2.9
CWT	F1NJD5	DSG2	NP_001934	desmoglein 2	M	13	-3.19
CIKL	F1NJD5	DSG2	NP_001934	desmoglein 2	M	13	-3.19
CWT	F1P4V1	FGA	NP_000499	fibrinogen alpha chain	E	13	-
							10.4
							9
CIKL	F1P4V1	FGA	NP_000499	fibrinogen alpha chain	E	13	-
							10.4

							9	
CWT	E1BTB7	MMRN2	NP_079032	multimerin 2	E	13	6.71	specific
CIKL	E1BTB7	MMRN2	NP_079032	multimerin 2	E	13	6.71	specific
CIKL	F1NPG4	LRRN4	NP_689824	leucine rich repeat neuronal 4	M	13	2.55	
CWT	Q5F411	CCT5	NP_036205	chaperonin containing TCP1, subunit 5 (epsilon)	I	13	-0.07	
CIKL	Q5F411	CCT5	NP_036205	chaperonin containing TCP1, subunit 5 (epsilon)	I	13	-0.07	
CWT	F1P2U7	PAPLN	NP_775733	papilin, proteoglycan-like sulfated glycoprotein	E	13	-0.46	
CIKL	F1P2U7	PAPLN	NP_775733	papilin, proteoglycan-like sulfated glycoprotein	E	13	-0.46	
CWT	F1NHI3	DHX15	NP_001349	DEAH (Asp-Glu-Ala-His) box polypeptide 15	I	13	-1.01	
CIKL	Q6J4Y8	FUS	NP_001164105	fused in sarcoma	I	13	-3.26	
CWT	F1NTW6	EMB	NP_940851	embigin	M	13	-6.1	
CWT	E1BTX5	SFMBT1	NP_057413	Scm-like with four mbt domains 1	I	13	-6.1	
CIKL	A2MXY3	EMB	NP_940851	embigin	M	13	-6.1	
CIKL	E1BXD9	ENPEP	NP_001968	glutamyl aminopeptidase (aminopeptidase A)	M	13	-7.03	
CWT	F1NWT2	FAT2	NP_001438	FAT tumor suppressor homolog 2 (Drosophila)	M	13	-7.59	
CIKL	F1NWT2	FAT2	NP_001438	FAT tumor suppressor homolog 2 (Drosophila)	M	13	-7.59	
CWT	F1NS72	PPP2R2B	NP_004567	protein phosphatase 2, regulatory subunit B, beta	I	13	-8	
CWT	F1NWI1	PCDH18	NP_061908	protocadherin 18	M	13	-8.31	
CIKL	F1NWI1	PCDH18	NP_061908	protocadherin 18	M	13	-8.31	
CIKL	F1P1T8	PCDHB3	NP_061760	protocadherin beta 3	M	13		
CIKL	E1BWX9	UROC1	NP_653240	urocanase domain containing 1	I	13		
CWT	O93568	FGG	NP_000500	fibrinogen gamma chain	E	12	-	
							10.6	
							1	
CIKL	E1BV78	FGG	NP_000500	fibrinogen gamma chain	E	12	-	
							10.6	
							1	
CWT	F1NGW3	YWHAE	NP_006752	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	I	12	0.35	
CIKL	F1NGW3	YWHAE	NP_006752	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	I	12	0.35	

CWT	F1NDD6	LRPAP1	NP_002328	low density lipoprotein receptor-related protein associated protein 1	M	12	0.01
CIKL	O57378	LRPAP1	NP_002328	low density lipoprotein receptor-related protein associated protein 1	M	12	0.01
CWT	F1NMF6	PLOD1	NP_000293	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	I	12	0.67
CIKL	F1NMF6	PLOD1	NP_000293	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	I	12	0.67
CIKL	Q9YHT1	SDHA	NP_004159	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	I	12	-1.29
CIKL	F1N897	PTPRF	NP_569707	protein tyrosine phosphatase, receptor type, F	M	12	-0.68
CIKL	F1N897	PTPRF	NP_569707	protein tyrosine phosphatase, receptor type, F	M	12	-0.68
CIKL	F1NCT1	SEPP1	NP_001087195	selenoprotein P, plasma, 1	E	12	-1.45
CWT	Q6B344	ANXA6	NP_001146	annexin A6	I	12	-3.05
CIKL	Q6B344	ANXA6	NP_001146	annexin A6	I	12	-3.05
CWT	P20785	COL6A1	NP_001839	collagen, type VI, alpha 1	E	12	-4.32
CIKL	P20785	COL6A1	NP_001839	collagen, type VI, alpha 1	E	12	-4.32
CIKL	P22451	RPL5	NP_000960	ribosomal protein L5	I	12	-0.92
CIKL	F1NNS1	DDOST	NP_005207	dolichyl-diphosphooligosaccharide--protein glycosyltransferase	I	12	-1.32
CIKL	F1NVC2	CNTN2	NP_005067	contactin 2 (axonal)	M	12	
CWT	F1NA58	SERPING1	NP_001027466	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	E	12	-9.3
CIKL	F1NA58	SERPING1	NP_001027466	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	E	12	-9.3
CWT	Q5ZIH1	HNRNPD	NP_112738	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)	I	12	-0.72
CWT	F1NCP9	NUCB2	NP_005004	nucleobindin 2	E	12	2.01
CIKL	F1NCP9	NUCB2	NP_005004	nucleobindin 2	E	12	2.01
CWT	Q5ZJ54	CCT6A	NP_001753	chaperonin containing TCP1, subunit 6A (zeta 1)	I	12	-0.89
CIKL	Q5ZJ54	CCT6A	NP_001753	chaperonin containing TCP1, subunit 6A (zeta 1)	I	12	-0.89
CWT	Q5ZHM4	VNN2	NP_004656	vanin 2	M	12	-6.1
CIKL	Q5ZHM4	VNN2	NP_004656	vanin 2	M	12	-6.1
CWT	F1P4F3	LY86	NP_004262	lymphocyte antigen 86	E	12	
CIKL	Q90W79	CNTN5	NP_780775	contactin 5	M	12	

CIKL	F1P4F3	LY86	NP_004262	lymphocyte antigen 86	E	12	
CIKL	Q8UVV4	ABCA1	NP_005493	ATP-binding cassette, sub-family A (ABC1), member 1	I	12	5.05
CWT	E1C453	HNRNPK	NP_112552	heterogeneous nuclear ribonucleoprotein K	I	12	1.91
CWT	Q90W81	ATP1A1	NP_001153705	ATPase, Na+/K+ transporting, alpha 1 polypeptide	I	12	-2.27
CIKL	F1NSY1	ATP1A1	NP_001153705	ATPase, Na+/K+ transporting, alpha 1 polypeptide	I	12	-2.27
CIKL	F1NSY1	ATP1A1	NP_001153705	ATPase, Na+/K+ transporting, alpha 1 polypeptide	I	12	-2.27
CIKL	F1NSY1	ATP1A1	NP_001153705	ATPase, Na+/K+ transporting, alpha 1 polypeptide	I	12	-2.27
CIKL	F1NSY1	ATP1A1	NP_001153705	ATPase, Na+/K+ transporting, alpha 1 polypeptide	I	12	-2.27
CIKL	E1C4M3	CTSZ	NP_001327	cathepsin Z	E	12	1.26
CWT	Q7ZZR8	FLNB	NP_001157790	filamin B, beta	I	12	-0.09
CIKL	Q90574	FLNB	NP_001157791	filamin B, beta	I	12	-0.09
CWT	F1NNE7	LNPEP	NP_005566	leucyl/cystinyl aminopeptidase	E	12	-2.64
CIKL	F1NNE7	LNPEP	NP_005566	leucyl/cystinyl aminopeptidase	E	12	-2.64
CIKL	F1NRB1	FDXR	NP_077728	ferredoxin reductase	I	12	-3.57
CWT	Q4JK63	CBR1	NP_001748	carbonyl reductase 1	I	12	-4.54
CIKL	Q4JK63	CBR1	NP_001748	carbonyl reductase 1	I	12	-4.54
CWT	F1NTM6	TFRC	NP_001121620	transferrin receptor (p90, CD71)	M	11	-4.62
CIKL	F1NWR2	TFRC	NP_001121620	transferrin receptor (p90, CD71)	M	11	-4.62
CIKL	F1NY25	ACO1	NP_002188	aconitase 1, soluble	I	11	-2.93
CWT	Q6WNG8	HNRNPH1	NP_005511	heterogeneous nuclear ribonucleoprotein H1 (H)	I	11	2.66
CIKL	F1NEG6	HNRNPH1	NP_005511	heterogeneous nuclear ribonucleoprotein H1 (H)	I	11	2.66
CIKL	F1NL07	IL31RA	NP_001229567	interleukin 31 receptor A	M	11	2.72
CWT	E1C7K7	NAALAD2	NP_005458	N-acetylated alpha-linked acidic dipeptidase 2	M	11	1.75
CWT	F1NTD7	PTGFRN	NP_065173	prostaglandin F2 receptor negative regulator	M	11	1.62
CIKL	F1NTD7	PTGFRN	NP_065173	prostaglandin F2 receptor negative regulator	M	11	1.62
CWT	F1NF64	CFI	NP_000195	complement factor I	E	11	0.69
CIKL	F1NF64	CFI	NP_000195	complement factor I	E	11	0.69
CWT	F1P0A2	CTHRC1	NP_612464	collagen triple helix repeat containing 1	E	11	-0.09
CWT	Q5F424	CCT2	NP_006422	chaperonin containing TCP1, subunit 2 (beta)	I	11	-0.37

CWT	E1C311	ITGA11	NP_001004439	integrin, alpha 11	M	11	-0.52
CIKL	E1C311	ITGA11	NP_001004439	integrin, alpha 11	M	11	-0.52
CWT	Q90842	CNTN4	NP_001193884	contactin 4	E	11	-1.15
CIKL	F1P3U6	CNTN4	NP_001193884	contactin 4	E	11	-1.15
CIKL	E1C5V6	ACOX2	NP_003491	acyl-CoA oxidase 2, branched chain	I	11	-1.36
CWT	F1N9J7	TUBA3D	NP_525125	tubulin, alpha 3d	I	11	-2.64
CIKL	F1N9J7	TUBA3D	NP_525125	tubulin, alpha 3d	I	11	-2.64
CIKL	Q8QGY2	THBS3	NP_009043	thrombospondin 3	E	11	-3.62
CIKL	E1C5P1	MTTP	NP_000244	microsomal triglyceride transfer protein	I	11	-6.1
CWT	F1NZH1	SLITRK6	NP_115605	SLIT and NTRK-like family, member 6	M	11	-7.03
CIKL	F1ND49	CNNM2	NP_060119	cyclin M2	M	11	-8
CIKL	F1P3N1	CRB2	NP_775960	crumbs homolog 2 (Drosophila)	M	11	
CIKL	E1C8K1	NPNT	NP_001171619	nephronectin	E	11	
CIKL	F1NX72	SMC1B	NP_683515	structural maintenance of chromosomes 1B	I	11	
CWT	F1P420	LAMA2	NP_000417	laminin, alpha 2	E	11	
CIKL	F1P420	LAMA2	NP_000417	laminin, alpha 2	E	11	
CWT	F1NWH5	AQP3	NP_004916	aquaporin 3 (Gill blood group)	I	11	-2.64
CIKL	F1NWH5	AQP3	NP_004916	aquaporin 3 (Gill blood group)	I	11	-2.64
CIKL	Q2IAL7	CAMP	NP_004336	cathelicidin antimicrobial peptide	E	11	
CWT	P14315	CAPZB	NP_001193469	capping protein (actin filament) muscle Z-line, beta	I	11	-3.55
CIKL	P14315	CAPZB	NP_001193469	capping protein (actin filament) muscle Z-line, beta	I	11	-3.55
CWT	F1NWN4	FBLN2	NP_001989	fibulin 2	E	11	
CIKL	F1NWN4	FBLN2	NP_001989	fibulin 2	E	11	
CWT	Q90WF1	FLNA	NP_001447	filamin A, alpha	E	11	-6.5
CIKL	Q90WF1	FLNA	NP_001447	filamin A, alpha	E	11	-6.5
CWT	Q8AWC0	P2RX1	NP_002549	purinergic receptor P2X, ligand-gated ion channel, 1	M	11	0.24
CIKL	Q8AWC0	P2RX1	NP_002549	purinergic receptor P2X, ligand-gated ion channel, 1	M	11	0.24
CWT	F1NDL4	NID2	NP_031387	nidogen 2 (osteonidogen)	E	11	-0.03
CIKL	F1NDL4	NID2	NP_031387	nidogen 2 (osteonidogen)	E	11	-0.03

CWT	F1NEJ4	TRAM1	NP_055109	translocation associated membrane protein 1	I	11	-0.05	
CIKL	F1NEJ4	TRAM1	NP_055109	translocation associated membrane protein 1	I	11	-0.05	
CWT	F1NHE3	CLIC2	NP_001280	chloride intracellular channel 2	I	11	-0.87	
CIKL	F1NHE3	CLIC2	NP_001280	chloride intracellular channel 2	I	11	-0.87	
CWT	P05094	ACTN1	NP_001093	actinin, alpha 1	I	11	-1	
CIKL	P05094	ACTN1	NP_001093	actinin, alpha 1	I	11	-1	
CIKL	P05094	ACTN1	NP_001093	actinin, alpha 1	I	11	-1	
CIKL	Q5ZLR5	UQCRCF1	NP_005994	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	I	11	-1.33	
CIKL	E1C7Y3	PHGDH	NP_006614	phosphoglycerate dehydrogenase	I	11	-4.72	
CWT	F1NYG4	APOH	NP_000033	apolipoprotein H (beta-2-glycoprotein I)	E	11	-9.43	
CIKL	F1NYG4	APOH	NP_000033	apolipoprotein H (beta-2-glycoprotein I)	E	11	-9.43	
CIKL	Q5DWF6	GABPA	NP_001184226	GA binding protein transcription factor, alpha subunit 60kDa	I	10	0.05	
CWT	F1NJD7	DSC2	NP_077740	desmocollin 2	M	10	-9.88	
CIKL	F1NJD7	DSC2	NP_077740	desmocollin 2	M	10	-9.88	
CWT	F1NU17	PGK1	NP_000282	phosphoglycerate kinase 1	I	10	-0.69	
CIKL	F1NU17	PGK1	NP_000282	phosphoglycerate kinase 1	I	10	-0.69	
CWT	Q5ZMD1	YWHAQ	NP_006817	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	I	10	-1.91	
CIKL	Q5ZMD1	YWHAQ	NP_006817	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	I	10	-1.91	
CIKL	F1NYZ6	PLXNA2	NP_079455	plexin A2	M	10	3.25	
CWT	E1C117	IL1RAP	NP_001161401	interleukin 1 receptor accessory protein	M	10	2.72	specific
CIKL	E1C117	IL1RAP	NP_001161401	interleukin 1 receptor accessory protein	M	10	2.72	specific
CWT	F2Z4K6	RPL26	NP_000978	ribosomal protein L26	I	10	0.12	
CIKL	E1BRI9	RPL26	NP_000978	ribosomal protein L26	I	10	0.12	
CIKL	F1NRI3	WDR1	NP_059830	WD repeat domain 1	E	10	-0.81	
CIKL	E1C015	PVRL1	NP_002846	poliovirus receptor-related 1 (herpesvirus entry mediator C)	M	10	-8.31	
CWT	E1C6L7	SGCD	NP_000328	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)	I	10		
CIKL	E1C6L7	SGCD	NP_000328	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)	I	10		

CWT	Q5F4A4	IMPDH2	NP_000875	IMP (inosine 5'-monophosphate) dehydrogenase 2	I	10	-3.89	
CWT	F2Z4L6	ALB	NP_000468	albumin	E	10	-	12.8 7
CIKL	F2Z4L6	ALB	NP_000468	albumin	E	10	-	12.8 7
CIKL	Q5ZKG5	ACP1	NP_004291	acid phosphatase 1, soluble	I	10	1.88	
CWT	P50147	GNAI2	NP_002061	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	I	10	-4.16	
CWT	O42390	TGFBI	NP_000349	transforming growth factor, beta-induced, 68kDa	M	10	-4.58	
CWT	F1P494	TGFBI	NP_000349	transforming growth factor, beta-induced, 68kDa	M	10	-4.58	
CIKL	F1P494	TGFBI	NP_000349	transforming growth factor, beta-induced, 68kDa	M	10	-4.58	
CIKL	O42390	TGFBI	NP_000349	transforming growth factor, beta-induced, 68kDa	M	10	-4.58	
CWT	E1BYS3	ELTD1	NP_071442	EGF, latrophilin and seven transmembrane domain containing 1	M	10	7.99	specific
CIKL	E1BYS3	ELTD1	NP_071442	EGF, latrophilin and seven transmembrane domain containing 1	M	10	7.99	specific
CWT	F1NU04	SLC44A1	NP_536856	solute carrier family 44, member 1	I	10	2.65	
CIKL	F1NU04	SLC44A1	NP_536856	solute carrier family 44, member 1	I	10	2.65	
CIKL	P53760	LCAT	NP_000220	lecithin-cholesterol acyltransferase	M	10	1.75	specific
CIKL	F1P1R1	ODZ3	NP_001073946	odz, odd Oz/ten-m homolog 3 (Drosophila)	M	10	0.82	specific
CWT	F1NK96	PDIA6	NP_005733	protein disulfide isomerase family A, member 6	I	10	0.52	
CIKL	F1NK96	PDIA6	NP_005733	protein disulfide isomerase family A, member 6	I	10	0.52	
CIKL	Q5ZJV5	COX4I1	NP_001852	cytochrome c oxidase subunit IV isoform 1	I	10	0.26	
CWT	F1NC38	ACADL	NP_001599	acyl-CoA dehydrogenase, long chain	I	10	-0.43	
CIKL	Q5ZJ93	ACADL	NP_001599	acyl-CoA dehydrogenase, long chain	I	10	-0.43	
CWT	F1NKY6	CPNE1	NP_003906	copine I	I	10	-0.61	
CIKL	F1NZC0	GALM	NP_620156	galactose mutarotase (aldose 1-epimerase)	I	10	-1.65	
CWT	Q90626	HNRNPAB	NP_004490	heterogeneous nuclear ribonucleoprotein A/B	I	10	-2.03	
CWT	F1NLU4	LAMB3	NP_001121113	laminin, beta 3	E	10	-7.03	

CIKL	F1NLU4	LAMB3	NP_001121113	laminin, beta 3	E	10	-7.03
CIKL	F1NG76	MATN2	NP_002371	matrilin 2	E	10	-7.59
CIKL	E1C7K9	AMIGO2	NP_001137140	adhesion molecule with Ig-like domain 2	M	10	-8.98
CWT	D4QB03	LOC100293534	NP_001229752	complement C4-B-like	E	10	
CWT	E1BVX6	CPT1A	NP_001867	carnitine palmitoyltransferase 1A (liver)	I	10	2.55
CIKL	Q6B842	CPT1A	NP_001867	carnitine palmitoyltransferase 1A (liver)	I	10	2.55
CWT	Q9I9K4	NID1	NP_002499	nidogen 1	E	10	1.96
CWT	F1NP23	NID1	NP_002499	nidogen 1	E	10	1.96
CIKL	F1NP23	NID1	NP_002499	nidogen 1	E	10	1.96
CIKL	Q9I9K4	NID1	NP_002499	nidogen 1	E	10	1.96
CWT	E1C4M0	RPS2	NP_002943	ribosomal protein S2	I	10	-3.54
CIKL	E1C4M0	RPS2	NP_002943	ribosomal protein S2	I	10	-3.54
CWT	E1C1N1	PKP1	NP_001005337	plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	I	10	-8
CIKL	E1C1N1	PKP1	NP_001005337	plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	I	10	-8
CIKL	Q5F3K3	SLC40A1	NP_055400	solute carrier family 40 (iron-regulated transporter), member 1	M	10	-0.44
CWT	F1P3F1	AHCY	NP_000678	adenosylhomocysteinase	I	10	-3.29
CIKL	F1P3F1	AHCY	NP_000678	adenosylhomocysteinase	I	10	-3.29
CIKL	E1BYN1	CES1	NP_001257	carboxylesterase 1	I	10	-8.57
CIKL	F1NYT3	CES1	NP_001257	carboxylesterase 1	I	10	-8.57
CIKL	F1N8L5	DYNLL1	NP_003737	dynein, light chain, LC8-type 1	I	10	0.75
CWT	Q91422	SERPINC1	NP_000479	serpin peptidase inhibitor, clade C (antithrombin), member 1	E	10	-9.3
CWT	F1NLP7	SERPINC1	NP_000479	serpin peptidase inhibitor, clade C (antithrombin), member 1	E	10	-9.3
CIKL	F1NLP7	SERPINC1	NP_000479	serpin peptidase inhibitor, clade C (antithrombin), member 1	E	10	-9.3
CIKL	Q91422	SERPINC1	NP_000479	serpin peptidase inhibitor, clade C (antithrombin), member 1	E	10	-9.3
CIKL	F1NEW0	LMAN1	NP_005561	lectin, mannose-binding, 1	M	10	-0.74
CWT	E1BWIO	DSP	NP_004406	desmoplakin	I	10	-5.04
CIKL	E1BWIO	DSP	NP_004406	desmoplakin	I	10	-5.04
CWT	A6N9E0	C3	NP_000055	complement component 3	E	10	-

							11.9
							6
CWT	Q6PPA9	C3	NP_000055	complement component 3	E	10	-
							11.9
							6
CWT	Q90633	C3	NP_000055	complement component 3	E	10	-
							11.9
							6
CIKL	A6N9E0	C3	NP_000055	complement component 3	E	10	-
							11.9
							6
CIKL	Q6PPA9	C3	NP_000055	complement component 3	E	10	-
							11.9
							6
CIKL	Q90633	C3	NP_000055	complement component 3	E	10	-
							11.9
							6
CIKL	F1NGU3	LRPPRC	NP_573566	leucine-rich PPR-motif containing	I	10	0.11
CWT	Q9I8D6	CCT4	NP_006421	chaperonin containing TCP1, subunit 4 (delta)	I	10	-1.52
CWT	F1NG26	SPON1	NP_006099	spondin 1, extracellular matrix protein	E	10	-7.03
CIKL	F1NG26	SPON1	NP_006099	spondin 1, extracellular matrix protein	E	10	-7.03
CIKL	Q5J7V0	CELSR1	NP_055061	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	M	10	
CWT	P62801	HIST1H4A	NP_003529	histone cluster 1, H4a	I	9	
CIKL	P62801	HIST1H4A	NP_003529	histone cluster 1, H4a	I	9	
CWT	Q7T2Z7	COL2A1	NP_001835	collagen, type II, alpha 1	E	9	-6.1
CIKL	Q7T2Z7	COL2A1	NP_001835	collagen, type II, alpha 1	E	9	-6.1
CWT	F1P1A5	TKT	NP_001055	transketolase	I	9	-2.47
CIKL	F1P1A5	TKT	NP_001055	transketolase	I	9	-2.47
CIKL	F1NFC7	ATP2B2	NP_001001331	ATPase, Ca++ transporting, plasma membrane 2	I	9	-6.1
CWT	P15988	COL6A2	NP_001840	collagen, type VI, alpha 2	E	9	-
							10.4

						9	
CIKL	P15988	COL6A2	NP_001840	collagen, type VI, alpha 2	E	9	-10.49
CWT	F1NC25	ENPP1	NP_006199	ectonucleotide pyrophosphatase/phosphodiesterase 1	E	9	-2.33
CIKL	F1NC25	ENPP1	NP_006199	ectonucleotide pyrophosphatase/phosphodiesterase 1	E	9	-2.33
CWT	F2Z4K7	RPS3A	NP_000997	ribosomal protein S3A	I	9	-2.29
CIKL	F2Z4K7	RPS3A	NP_000997	ribosomal protein S3A	I	9	-2.29
CIKL	F1NKH9	HSD17B4	NP_000405	hydroxysteroid (17-beta) dehydrogenase 4	I	9	0.82
CWT	F1NR02	COL5A1	NP_000084	collagen, type V, alpha 1	E	9	-9.43
CIKL	F1NR02	COL5A1	NP_000084	collagen, type V, alpha 1	E	9	-9.43
CWT	E1C544	A2M	NP_000005	alpha-2-macroglobulin	E	9	3.8
CWT	F1NJA6	A2M	NP_000005	alpha-2-macroglobulin	E	9	3.8
CIKL	E1C544	A2M	NP_000005	alpha-2-macroglobulin	E	9	3.8
CWT	P10587	MYH11	NP_001035203	myosin, heavy chain 11, smooth muscle	I	9	3.51 specific
CIKL	G1K307	MYH11	NP_002465	myosin, heavy chain 11, smooth muscle	I	9	3.51 specific
CWT	Q5F3V2	ACLY	NP_001087	ATP citrate lyase	I	9	1.79
CIKL	F1NPU6	ACLY	NP_001087	ATP citrate lyase	I	9	1.79
CIKL	E1BW06	ECI2	NP_996667	enoyl-CoA delta isomerase 2	I	9	0.36
CWT	F1NN39	ALAD	NP_000022	aminolevulinate dehydratase	I	9	-1.66
CIKL	F1NQ40	LGSN	NP_057655	lengsin, lens protein with glutamine synthetase domain	I	9	-1.66
CWT	F1NXR6	TUBA1C	NP_116093	tubulin, alpha 1c	I	9	-2.27
CIKL	F1NXR6	TUBA1C	NP_116093	tubulin, alpha 1c	I	9	-2.27
CIKL	F1NXR7	TUBA1C	NP_116093	tubulin, alpha 1c	I	9	-2.27
CIKL	E1C413	ACER3	NP_060837	alkaline ceramidase 3	I	9	-2.64
CIKL	E1C199	GPR125	NP_660333	G protein-coupled receptor 125	M	9	-3.21
CWT	P57788	SLC16A3	NP_001193880	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)	M	9	-4.18
CIKL	P57788	SLC16A3	NP_001193880	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)	M	9	-4.18

CWT	F1NC64	BMP1	NP_001190	bone morphogenetic protein 1	E	9	-5.33	
CWT	O57658	BMP1	NP_001190	bone morphogenetic protein 1	E	9	-5.33	
CIKL	F1NC64	BMP1	NP_001190	bone morphogenetic protein 1	E	9	-5.33	
CIKL	O57658	BMP1	NP_001190	bone morphogenetic protein 1	E	9	-5.33	
CIKL	F1N8X3	SORCS2	NP_065828	sortilin-related VPS10 domain containing receptor 2	M	9		
CWT	F1NE02	RAC2	NP_002863	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	I	9	-3.82	
CWT	D0EKR3	PPIA	NP_066953	peptidylprolyl isomerase A (cyclophilin A)	E	9	-0.92	
CIKL	D0EKR3	PPIA	NP_066953	peptidylprolyl isomerase A (cyclophilin A)	E	9	-0.92	
CIKL	F1N850	PAPPA	NP_002572	pregnancy-associated plasma protein A, pappalysin 1	E	9	-0.94	
CWT	Q5ZLB3	HNRNPA1	NP_112420	heterogeneous nuclear ribonucleoprotein A1	I	9	-1.17	
CIKL	Q5ZLB3	HNRNPA1	NP_112420	heterogeneous nuclear ribonucleoprotein A1	I	9	-1.17	
CWT	P09102	P4HB	NP_000909	prolyl 4-hydroxylase, beta polypeptide	E	9	-3.2	
CIKL	P09102	P4HB	NP_000909	prolyl 4-hydroxylase, beta polypeptide	E	9	-3.2	
CIKL	F1N896	PTPRS	NP_570924	protein tyrosine phosphatase, receptor type, S	M	9	2.31	specific
CIKL	Q90816	PTPRS	NP_570924	protein tyrosine phosphatase, receptor type, S	M	9	2.31	specific
CIKL	Q98TF9	RPL14	NP_001030168	ribosomal protein L14	I	9	-1.66	
CIKL	E1BSH9	BHMT	NP_001704	betaine--homocysteine S-methyltransferase	I	9	-8	
CIKL	E1BZ22	HSD11B1	NP_001193670	hydroxysteroid (11-beta) dehydrogenase 1	I	9	-8.31	
CIKL	F1NQC7	PSAP	NP_001035931	prosaposin	E	9	0.88	
CWT	F1P3M9	C4BPA	NP_000706	complement component 4 binding protein, alpha	E	9	-3.63	
CIKL	F1P3M9	C4BPA	NP_000706	complement component 4 binding protein, alpha	E	9	-3.63	
CWT	F1NH17	C1QC	NP_758957	complement component 1, q subcomponent, C chain	E	9		
CIKL	G4XPB1	SLCO1C1	NP_059131	solute carrier organic anion transporter family, member 1C1	M	9		
CWT	P60706	ACTB	NP_001092	actin, beta	I	9	-1.5	
CIKL	P60706	ACTB	NP_001092	actin, beta	I	9	-1.5	
CIKL	F1P555	SFPQ	NP_005057	splicing factor proline/glutamine-rich	I	9	-0.63	
CWT	E1BXC2	ESD	NP_001975	esterase D	I	9	-1.04	
CWT	C5J075	GART	NP_000810	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase,	I	9	-1.06	

				phosphoribosylaminoimidazole synthetase			
CIKL	A0A547	GART	NP_000810	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	I	9	-1.06
CIKL	F1NHI9	PFKP	NP_002618	phosphofructokinase, platelet	I	9	-1.7
CWT	E1C4N0	RPS10	NP_001191020	ribosomal protein S10	I	9	-3.57
CWT	B3VE14	ITIH2	NP_002207	inter-alpha-trypsin inhibitor heavy chain 2	E	9	-8.98
CIKL	B3VE14	ITIH2	NP_002207	inter-alpha-trypsin inhibitor heavy chain 2	E	9	-8.98
CIKL	E1C7F4	EPHX1	NP_000111	epoxide hydrolase 1, microsomal (xenobiotic)	I	9	-9.3
CWT	Q5ZMG9	TCP1	NP_110379	t-complex 1	I	9	-0.96
CIKL	F1P5K7	TCP1	NP_110379	t-complex 1	I	9	-0.96
CWT	Q5ZH20	DDX39B	NP_542165	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	I	9	-3.08
CIKL	Q5ZH20	DDX39B	NP_542165	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	I	9	-3.08
CIKL	F1N9S2	GSTZ1	NP_665877	glutathione transferase zeta 1	I	9	-3.21
CIKL	A6N8Q1	ACHE	NP_000656	acetylcholinesterase	E	9	
CIKL	P36196	ACHE	NP_000656	acetylcholinesterase	E	9	
CWT	F1NDP0	KRT17	NP_000413	keratin 17	I	8	-
							12.2
							9
CWT	F1NPR7	KRT17	NP_000413	keratin 17	I	8	-
							12.2
							9
CIKL	F1NDP0	KRT17	NP_000413	keratin 17	I	8	-
							12.2
							9
CIKL	F1NPR7	KRT17	NP_000413	keratin 17	I	8	-
							12.2
							9
CWT	P42558	RAN	NP_006316	RAN, member RAS oncogene family	I	8	-1.31
CIKL	P42558	RAN	NP_006316	RAN, member RAS oncogene family	I	8	-1.31
CWT	P41263	RBP4	NP_006735	retinol binding protein 4, plasma	E	8	-8.79

CIKL	P41263	RBP4	NP_006735	retinol binding protein 4, plasma	E	8	-8.79
CIKL	O13113	DAD1	NP_001335	defender against cell death 1	I	8	2.64
CWT	F1P284	LTA4H	NP_000886	leukotriene A4 hydrolase	I	8	1.01
CIKL	F1P284	LTA4H	NP_000886	leukotriene A4 hydrolase	I	8	1.01
CIKL	F1NVQ5	THSD4	NP_079093	thrombospondin, type I, domain containing 4	E	8	0.26
CIKL	F1NWA4	THSD4	NP_079093	thrombospondin, type I, domain containing 4	E	8	0.26
CIKL	Q5F3D8	ETFDH	NP_004444	electron-transferring-flavoprotein dehydrogenase	I	8	-0.03
CIKL	F1NI89	ADH5	NP_000662	alcohol dehydrogenase 5 (class III), chi polypeptide	I	8	-0.46
CWT	F1P2G4	CAP1	NP_001099000	CAP, adenylate cyclase-associated protein 1 (yeast)	M	8	-0.69
CIKL	F1P2G4	CAP1	NP_001099000	CAP, adenylate cyclase-associated protein 1 (yeast)	M	8	-0.69
CWT	F1NB66	RPLP0	NP_000993	ribosomal protein, large, P0	I	8	-1.66
CIKL	F1NB66	RPLP0	NP_000993	ribosomal protein, large, P0	I	8	-1.66
CIKL	F1NH15	ACACB	NP_001084	acetyl-CoA carboxylase beta	I	8	-1.68
CWT	F1P2F0	COL6A3	NP_004360	collagen, type VI, alpha 3	E	8	-6.1
CIKL	F1P2F0	COL6A3	NP_004360	collagen, type VI, alpha 3	E	8	-6.1
CWT	Q4U5Z6	HLA-DRA	NP_061984	major histocompatibility complex, class II, DR alpha	M	8	-6.69
CWT	E1BUB6	GSTT1	NP_000844	glutathione S-transferase theta 1	I	8	-8
CIKL	E1BUB6	GSTT1	NP_000844	glutathione S-transferase theta 1	I	8	-8
CIKL	F1NRD6	PTBP2	NP_067013	polypyrimidine tract binding protein 2	I	8	3.7
CWT	F1NAR5	SERPINF2	NP_001159392	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	E	8	-8
CIKL	F1NAR5	SERPINF2	NP_001159392	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	E	8	-8
CIKL	E1BUU7	PTPRC	NP_002829	protein tyrosine phosphatase, receptor type, C	M	8	-8.31
CIKL	F1NCY4	CYCS	NP_061820	cytochrome c, somatic	I	8	-4.84
CWT	E1C8E4	KRT14	NP_000517	keratin 14	I	8	-9.88
CIKL	E1C8E4	KRT14	NP_000517	keratin 14	I	8	-9.88
CIKL	F1NB87	SLC12A2	NP_001037	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	M	8	7.04
CIKL	F1NUK0	PTPRU	NP_573439	protein tyrosine phosphatase, receptor type, U	M	8	-6.1

CWT	P12275	NAT1	NP_001153648	N-acetyltransferase 1 (arylamine N-acetyltransferase)	I	8	3.51	specific
CIKL	P12275	NAT1	NP_001153648	N-acetyltransferase 1 (arylamine N-acetyltransferase)	I	8	3.51	specific
CIKL	E1BSQ4	RPN2	NP_002942	ribophorin II	I	8	1.14	
CIKL	F1NT20	ACAT2	NP_005882	acetyl-CoA acetyltransferase 2	I	8	-0.36	
CWT	F1NJU5	C8A	NP_000553	complement component 8, alpha polypeptide	E	8	-8	
CIKL	F1NJU5	C8A	NP_000553	complement component 8, alpha polypeptide	E	8	-8	
CWT	Q9W6J3	GSTA1	NP_665683	glutathione S-transferase alpha 1	I	8	-9.15	
CWT	Q9W6J2	GSTA1	NP_665683	glutathione S-transferase alpha 1	I	8	-9.15	
CIKL	P26697	GSTA1	NP_665683	glutathione S-transferase alpha 1	I	8	-9.15	
CIKL	Q9W6J3	GSTA1	NP_665683	glutathione S-transferase alpha 1	I	8	-9.15	
CWT	F2Z4K9	RPS27A	NP_001170884	ribosomal protein S27a	I	8	0.15	
CIKL	F2Z4K9	RPS27A	NP_001170884	ribosomal protein S27a	I	8	0.15	
CIKL	Q5ZIZ5	NONO	NP_031389	non-POU domain containing, octamer-binding	I	8	-0.43	
CWT	Q5ZMU9	VCP	NP_009057	valosin containing protein	I	8	-2.33	
CIKL	Q5ZMU9	VCP	NP_009057	valosin containing protein	I	8	-2.33	
CIKL	P80566	SOD1	NP_000445	superoxide dismutase 1, soluble	E	8	0.1	
CWT	F1P456	NPEPPS	NP_006301	aminopeptidase puromycin sensitive	I	8	1.4	
CIKL	Q5ZJ60	HIBCH	NP_055177	3-hydroxyisobutyryl-CoA hydrolase	I	8	1.25	
CWT	E1C5Z3	CEP290	NP_079390	centrosomal protein 290kDa	I	8	0.56	
CIKL	E1C5Z3	CEP290	NP_079390	centrosomal protein 290kDa	I	8	0.56	
CWT	F1NZW7	PPIC	NP_000934	peptidylprolyl isomerase C (cyclophilin C)	I	8	0	
CIKL	F1NZW7	PPIC	NP_000934	peptidylprolyl isomerase C (cyclophilin C)	I	8	0	
CIKL	F1N968	LTBP2	NP_000419	latent transforming growth factor beta binding protein 2	E	8	-0.38	
CIKL	F1NQ86	ACAD11	NP_115545	acyl-CoA dehydrogenase family, member 11	I	8	-0.69	
CWT	P28337	AMT	NP_000472	aminomethyltransferase	I	8	-2.64	
CIKL	P28337	AMT	NP_000472	aminomethyltransferase	I	8	-2.64	
CWT	E1BYP0	GGT5	NP_004112	gamma-glutamyltransferase 5	M	8	-3.2	
CIKL	E1BYP0	GGT5	NP_004112	gamma-glutamyltransferase 5	M	8	-3.2	
CWT	Q5ZJK8	CCT7	NP_006420	chaperonin containing TCP1, subunit 7 (eta)	I	8	-3.37	

CWT	Q90WR3	HPX	NP_000604	hemopexin	E	8	-9.3	
CIKL	Q90WR3	HPX	NP_000604	hemopexin	E	8	-9.3	
CWT	O73888	HPGDS	NP_055300	hematopoietic prostaglandin D synthase	I	8		
CWT	E1BTI7	TINAG	NP_055279	tubulointerstitial nephritis antigen	E	8		
CIKL	O73888	HPGDS	NP_055300	hematopoietic prostaglandin D synthase	I	8		
CIKL	E1BTI7	TINAG	NP_055279	tubulointerstitial nephritis antigen	E	8		
CWT	F1NDE5	APP	NP_958816	amyloid beta (A4) precursor protein	E	8	-0.15	
CIKL	F1NDE5	APP	NP_958816	amyloid beta (A4) precursor protein	E	8	-0.15	
CWT	F1NW06	CD81	NP_004347	CD81 molecule	M	8	-4.38	
CIKL	F1NW06	CD81	NP_004347	CD81 molecule	M	8	-4.38	
CWT	P05122	CKB	NP_001814	creatine kinase, brain	I	8	-8.31	
CIKL	P05122	CKB	NP_001814	creatine kinase, brain	I	8	-8.31	
CWT	Q6EE31	CCT8	NP_006576	chaperonin containing TCP1, subunit 8 (theta)	I	8	-0.74	
CWT	F1NNS8	PRDX4	NP_006397	peroxiredoxin 4	E	8	-1.03	
CIKL	F1NNS8	PRDX4	NP_006397	peroxiredoxin 4	E	8	-1.03	
CWT	F1P0Y1	COL17A1	NP_000485	collagen, type XVII, alpha 1	E	8	-6.1	
CWT	F1NN28	COL17A1	NP_000485	collagen, type XVII, alpha 1	E	8	-6.1	
CIKL	F1P0Y1	COL17A1	NP_000485	collagen, type XVII, alpha 1	E	8	-6.1	
CWT	D2D3P4	RAB27A	NP_899057	RAB27A, member RAS oncogene family	I	7	0.26	
CIKL	F1NEU7	PCDH11X	NP_001161835	protocadherin 11 X-linked	M	7	0.08	
CIKL	F1NUH7	TSPAN7	NP_004606	tetraspanin 7	M	7	0.06	
CWT	P14105	MYH9	NP_002464	myosin, heavy chain 9, non-muscle	I	7	-2.91	
CIKL	P14105	MYH9	NP_002464	myosin, heavy chain 9, non-muscle	I	7	-2.91	
CIKL	F1ND96	LIPH	NP_640341	lipase, member H	E	7		
CWT	E1BT93	ALDH2	NP_000681	aldehyde dehydrogenase 2 family (mitochondrial)	I	7	-1.11	
CIKL	E1BT93	ALDH2	NP_000681	aldehyde dehydrogenase 2 family (mitochondrial)	I	7	-1.11	
CWT	E1C6L4	PROS1	NP_000304	protein S (alpha)	E	7	5.21	specific
CIKL	E1C6L4	PROS1	NP_000304	protein S (alpha)	E	7	5.21	specific
CIKL	F1NMA2	SULT1E1	NP_005411	sulfotransferase family 1E, estrogen-preferring, member 1	I	7	1.75	specific

CWT	O42388	UBA52	NP_003324	ubiquitin A-52 residue ribosomal protein fusion product 1	I	7	0.42	
CWT	P68139	ACTA1	NP_001091	actin, alpha 1, skeletal muscle	I	7	3.29	specific
CIKL	P68139	ACTA1	NP_001091	actin, alpha 1, skeletal muscle	I	7	3.29	specific
CIKL	Q5ZMJ6	SLC25A4	NP_001142	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	I	7	-0.11	
CWT	P07630	CA2	NP_000058	carbonic anhydrase II	E	7	-6.53	
CIKL	P07630	CA2	NP_000058	carbonic anhydrase II	E	7	-6.53	
CWT	Q6DKR3	PCDH1	NP_002578	protocadherin 1	M	7	1.04	
CIKL	F1NI71	PCDH1	NP_115796	protocadherin 1	M	7	1.04	
CIKL	E1C5M1	BOC	NP_150279	Boc homolog (mouse)	M	7	0.82	specific
CIKL	Q5ZM33	HP1BP3	NP_057371	heterochromatin protein 1, binding protein 3	I	7	0.8	
CIKL	F1NFY2	GPD1L	NP_055956	glycerol-3-phosphate dehydrogenase 1-like	I	7	-2.64	
CWT	P08106	HSPA2	NP_068814	heat shock 70kDa protein 2	I	7	-3.61	
CIKL	B3VHV2	HSPA2	NP_068814	heat shock 70kDa protein 2	I	7	-3.61	
CWT	F1NN08	ARF1	NP_001019399	ADP-ribosylation factor 1	I	7	-4.66	
CIKL	F2Z4M4	ARF1	NP_001019399	ADP-ribosylation factor 1	I	7	-4.66	
CWT	E1C7C1	C8B	NP_000057	complement component 8, beta polypeptide	M	7	-8	
CIKL	E1C7C1	C8B	NP_000057	complement component 8, beta polypeptide	M	7	-8	
CIKL	F1P3F2	SLC2A2	NP_000331	solute carrier family 2 (facilitated glucose transporter), member 2	M	7	-8.31	
CWT	E1BRY5	NEU2	NP_005374	sialidase 2 (cytosolic sialidase)	I	7		
CWT	Q9W6H0	OGN	NP_054776	osteoglycin	E	7		
CWT	Q9DER4	ZP1	NP_997224	zona pellucida glycoprotein 1 (sperm receptor)	E	7		
CIKL	F1NL84	CNTN3	NP_065923	contactin 3 (plasmacytoma associated)	M	7		
CIKL	E1BRY5	NEU2	NP_005374	sialidase 2 (cytosolic sialidase)	I	7		
CIKL	Q9W6H0	OGN	NP_054776	osteoglycin	E	7		
CIKL	O13129	PCDHGC3	NP_002579	protocadherin gamma subfamily C, 3	M	7		
CIKL	F1NTM1	ROBO2	NP_002933	roundabout, axon guidance receptor, homolog 2 (Drosophila)	M	7		
CIKL	Q90Z41	ROBO2	NP_002933	roundabout, axon guidance receptor, homolog 2 (Drosophila)	M	7		
CIKL	Q9DER4	ZP1	NP_997224	zona pellucida glycoprotein 1 (sperm receptor)	E	7		

CWT	P13648	LMNA	NP_733821	lamin A/C	I	7	-2.02
CIKL	P13648	LMNA	NP_733821	lamin A/C	I	7	-2.02
CWT	F1P312	MYH10	NP_005955	myosin, heavy chain 10, non-muscle	I	7	1.63
CIKL	F1P312	MYH10	NP_005955	myosin, heavy chain 10, non-muscle	I	7	1.63
CWT	P08251	ATP1B1	NP_001668	ATPase, Na+/K+ transporting, beta 1 polypeptide	M	7	0.72
CWT	F1NSV6	ATP1B1	NP_001668	ATPase, Na+/K+ transporting, beta 1 polypeptide	M	7	0.72
CIKL	P08251	ATP1B1	NP_001668	ATPase, Na+/K+ transporting, beta 1 polypeptide	M	7	0.72
CIKL	F1NRB7	ATP1B1	NP_001668	ATPase, Na+/K+ transporting, beta 1 polypeptide	M	7	0.72
CWT	Q8JG64	PDIA3	NP_005304	protein disulfide isomerase family A, member 3	I	7	-0.23
CIKL	Q8JG64	PDIA3	NP_005304	protein disulfide isomerase family A, member 3	I	7	-0.23
CIKL	F1NHF1	ATP5J2	NP_004880	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2	I	7	2.14
CIKL	F1NNV2	ACSL5	NP_976314	acyl-CoA synthetase long-chain family member 5	I	7	0.65
CIKL	E5G6H7	BST1	NP_004325	bone marrow stromal cell antigen 1	M	7	0.21
CIKL	E1BZE6	HNRNPA3	NP_919223	heterogeneous nuclear ribonucleoprotein A3	I	7	-0.43
CWT	Q5ZLJ7	TPM3	NP_001036818	tropomyosin 3	I	7	-0.67
CWT	Q5ZLJ7	TPM3	NP_001036818	tropomyosin 3	I	7	-0.67
CIKL	Q5ZLJ7	TPM3	NP_001036818	tropomyosin 3	I	7	-0.67
CWT	Q5ZL50	PFN2	NP_444252	profilin 2	I	7	-3.35
CIKL	Q5ZL50	PFN2	NP_444252	profilin 2	I	7	-3.35
CWT	E1BXD2	RAI1	NP_109590	retinoic acid induced 1	I	7	-7.03
CIKL	E1BXD2	RAI1	NP_109590	retinoic acid induced 1	I	7	-7.03
CIKL	Q076D6	C4B	NP_001002029	complement component 4B (Chido blood group)	E	7	-8.79
CIKL	F1NMP4	TUBA8	NP_061816	tubulin, alpha 8	I	7	
CWT	F1N9R5	CP	NP_000087	ceruloplasmin (ferroxidase)	E	7	-2.81
CIKL	F1N9R5	CP	NP_000087	ceruloplasmin (ferroxidase)	E	7	-2.81
CIKL	F1NV99	BCHE	NP_000046	butyrylcholinesterase	E	7	-3.27
CIKL	Q8UWG7	RPL6	NP_001019833	ribosomal protein L6	I	7	-1.07
CIKL	F1NTH9	SLC37A4	NP_001157752	solute carrier family 37 (glucose-6-phosphate transporter), member 4	M	7	-2.96

CIKL	F1NFF7	CYP2E1	NP_000764	cytochrome P450, family 2, subfamily E, polypeptide 1	I	7	-8	
CIKL	F1NA41	FAAH	NP_001432	fatty acid amide hydrolase	I	7		
CWT	B5BSD3	HLA-A	NP_002107	major histocompatibility complex, class I, A	M	7	-2.55	
CWT	Q5W917	HLA-A	NP_002107	major histocompatibility complex, class I, A	M	7	-2.55	
CIKL	B5BSD3	HLA-A	NP_002107	major histocompatibility complex, class I, A	M	7	-2.55	
CIKL	Q5W917	HLA-A	NP_002107	major histocompatibility complex, class I, A	M	7	-2.55	
CIKL	Q6X3Y7	HLA-A	NP_002107	major histocompatibility complex, class I, A	M	7	-2.55	
CWT	F1NMW1	TINAGL1	NP_071447	tubulointerstitial nephritis antigen-like 1	E	7	1.71	
CIKL	F1N8G6	TINAGL1	NP_071447	tubulointerstitial nephritis antigen-like 1	E	7	1.71	
CIKL	P67883	RPL30	NP_000980	ribosomal protein L30	I	7	0.54	
CIKL	Q5ZHW8	RPS14	NP_001020242	ribosomal protein S14	I	7	-0.79	
CIKL	Q6IFY8	RTN3	NP_006045	reticulon 3	M	7	-1.04	
CWT	F1NNZ6	GOLT1B	NP_057156	golgi transport 1B	I	7	-1.06	
CIKL	F1NNZ6	GOLT1B	NP_057156	golgi transport 1B	I	7	-1.06	
CWT	E1BU62	DOPEY2	NP_005119	dopey family member 2	I	7	-1.28	
CIKL	E1BU62	DOPEY2	NP_005119	dopey family member 2	I	7	-1.28	
CWT	E1C7T4	PRELP	NP_958505	proline/arginine-rich end leucine-rich repeat protein	E	7	-1.85	
CIKL	E1C7T4	PRELP	NP_958505	proline/arginine-rich end leucine-rich repeat protein	E	7	-1.85	
CWT	F1NI80	ADH1C	NP_000660	alcohol dehydrogenase 1C (class I), gamma polypeptide	I	7	-3.57	
CIKL	P23991	ADH1C	NP_000660	alcohol dehydrogenase 1C (class I), gamma polypeptide	I	7	-3.57	
CWT	E1C532	POMGNT1	NP_001230695	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	I	7	-5.33	
CWT	O73665	DES	NP_001918	desmin	I	7	-6.1	
CIKL	O73665	DES	NP_001918	desmin	I	7	-6.1	
CWT	F1NZJ2	HK1	NP_000179	hexokinase 1	I	7	-3.69	
CIKL	F1NZJ2	HK1	NP_000179	hexokinase 1	I	7	-3.69	
CWT	Q5ZMI7	PREP	NP_002717	prolyl endopeptidase	I	7	-0.03	
CIKL	E1BYJ9	CHGB	NP_001810	chromogranin B (secretogranin 1)	I	7		
CWT	Q9IAL2	VSX1	NP_055403	visual system homeobox 1	I	6	1.75	specific
CWT	Q2UXM6	ABCE1	NP_001035809	ATP-binding cassette, sub-family E (OABP), member 1	I	6	0.14	

CIKL	Q2PBA1	ABCE1	NP_001035809	ATP-binding cassette, sub-family E (OABP), member 1	I	6	0.14	
CWT	E1BXT4	ST3GAL4	NP_006269	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	M	6	-6.1	
CWT	F1P4M4	PPIB	NP_000933	peptidylprolyl isomerase B (cyclophilin B)	M	6	0.14	
CIKL	F1P4M4	PPIB	NP_000933	peptidylprolyl isomerase B (cyclophilin B)	M	6	0.14	
CIKL	F1NAE5	CNTNAP1	NP_003623	contactin associated protein 1	M	6	3.03	specific
CIKL	F1NVN5	NEGR1	NP_776169	neuronal growth regulator 1	M	6	1.75	specific
CIKL	E1C3F1	BRP44	NP_056230	brain protein 44	I	6	-0.06	
CWT	F1NLW8	EPB41	NP_001159477	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)	I	6	-1.07	
CWT	Q5ZLZ0	SLC25A3	NP_002626	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	I	6	-2.87	
CIKL	E1BR89	SLC25A3	NP_005879	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	I	6	-2.87	
CIKL	Q5ZLZ0	SLC25A3	NP_002626	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	I	6	-2.87	
CIKL	F1NZV0	SEMA4B	NP_945119	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B	M	6	-4.54	
CWT	P02259	H1F0	NP_005309	H1 histone family, member 0	I	6	-5.04	
CIKL	E1C7J5	ADAMTSL1	NP_001035362	ADAMTS-like 1	E	6	-6.1	
CIKL	P07354	HAPLN1	NP_001875	hyaluronan and proteoglycan link protein 1	E	6	-6.1	
CIKL	E1BZT9	ACSS1	NP_115890	acyl-CoA synthetase short-chain family member 1	I	6	-7.59	
CIKL	F1P171	SGCG	NP_000222	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein)	I	6		
CWT	P09244	TUBB	NP_821133	tubulin, beta class I	I	6	-2.21	
CIKL	P09244	TUBB	NP_821133	tubulin, beta class I	I	6	-2.21	
CWT	F1NBA6	COL7A1	NP_000085	collagen, type VII, alpha 1	E	6	-8	
CIKL	F1NBA6	COL7A1	NP_000085	collagen, type VII, alpha 1	E	6	-8	
CWT	P02552	TUBA1A	NP_006000	tubulin, alpha 1a	I	6	-1.28	
CWT	F1NCM0	HIST2H2BE	NP_003519	histone cluster 2, H2be	I	6	-8	

CIKL	P0C1H3	HIST2H2B E	NP_003519	histone cluster 2, H2be	I	6	-8
CWT	F1NDS3	HIST2H2A C	NP_003508	histone cluster 2, H2ac	I	6	
CIKL	G1K330	HIST2H2A C	NP_003508	histone cluster 2, H2ac	I	6	
CWT	Q5ZL53	PABPC1	NP_002559	poly(A) binding protein, cytoplasmic 1	I	6	-1.33
CIKL	F1NH82	PABPC1	NP_002559	poly(A) binding protein, cytoplasmic 1	I	6	-1.33
CWT	E1BXA2	CAPZA1	NP_006126	capping protein (actin filament) muscle Z-line, alpha 1	E	6	4.27
CIKL	Q5ZK20	PDIA4	NP_004902	protein disulfide isomerase family A, member 4	I	6	-0.72
CWT	F1NDA0	NMT1	NP_066565	N-myristoyltransferase 1	I	6	-1.52
CIKL	F1NDA0	NMT1	NP_066565	N-myristoyltransferase 1	I	6	-1.52
CWT	Q5ZLN1	PGAM1	NP_002620	phosphoglycerate mutase 1 (brain)	I	6	-3.34
CIKL	Q5ZLN1	PGAM1	NP_002620	phosphoglycerate mutase 1 (brain)	I	6	-3.34
CIKL	F1P386	CR1	NP_000564	complement component (3b/4b) receptor 1 (Knops blood group)	M	6	-1.71
CWT	Q804X6	F9	NP_000124	coagulation factor IX	E	6	-7.03
CIKL	Q804X6	F9	NP_000124	coagulation factor IX	E	6	-7.03
CWT	F1NEQ6	PSMA6	NP_002782	proteasome (prosome, macropain) subunit, alpha type, 6	I	6	0.11
CIKL	F1NEQ6	PSMA6	NP_002782	proteasome (prosome, macropain) subunit, alpha type, 6	I	6	0.11
CIKL	F1NMC3	MTHFD1	NP_005947	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	I	6	-0.99
CWT	F1NPF0	EIF2S3	NP_001406	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa	I	6	5.01
CWT	Q5ZJ12	GBAS	NP_001474	glioblastoma amplified sequence	I	6	0.23
CIKL	Q5ZJ12	GBAS	NP_001474	glioblastoma amplified sequence	I	6	0.23
CWT	F1NN16	RPS7	NP_001002	ribosomal protein S7	I	6	-0.36
CIKL	Q5ZLU4	PSMD2	NP_002799	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	I	6	-1.25
CIKL	E1BTG1	RPL12	NP_000967	ribosomal protein L12	I	6	-1.58

CIKL	Q90XD9	SND1	NP_055205	staphylococcal nuclease and tudor domain containing 1	I	6	-1.89	
CIKL	E1C8Z8	ALDH4A1	NP_733844	aldehyde dehydrogenase 4 family, member A1	I	6	-3.04	
CIKL	E1BYF3	AGPAT3	NP_001032642	1-acylglycerol-3-phosphate O-acyltransferase 3	M	6	-3.17	
CWT	Q9W6F5	GC	NP_001191236	group-specific component (vitamin D binding protein)	E	6	-3.36	
CIKL	Q9W6F5	GC	NP_001191236	group-specific component (vitamin D binding protein)	E	6	-3.36	
CIKL	F1NDT3	NCAM2	NP_004531	neural cell adhesion molecule 2	M	6	-6.1	
CIKL	F1NSE3	CRAT	NP_000746	carnitine O-acetyltransferase	I	6	-7.59	
CIKL	F1P027	GPC6	NP_005699	glypican 6	E	6	-8.57	
CWT	P02457	COL1A1	NP_000079	collagen, type I, alpha 1	E	6	-9.18	
CIKL	P02457	COL1A1	NP_000079	collagen, type I, alpha 1	E	6	-9.18	
CIKL	F1NJS9	LRP2	NP_004516	low density lipoprotein receptor-related protein 2	M	6		
CWT	B8YK79	LYZ	NP_000230	lysozyme	E	6	-0.5	
CIKL	B8YJT7	LYZ	NP_000230	lysozyme	E	6	-0.5	
CIKL	F1NIW7	CUBN	NP_001072	cubilin (intrinsic factor-cobalamin receptor)	M	6	5.44	specific
CWT	F1NZX2	GPC5	NP_004457	glypican 5	E	6	3.29	specific
CIKL	F1NZX2	GPC5	NP_004457	glypican 5	E	6	3.29	specific
CWT	E1C5P3	PSMD1	NP_002798	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	I	6	-0.25	
CIKL	Q5F418	PSMD1	NP_002798	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	I	6	-0.25	
CIKL	E1BST9	PCCB	NP_000523	propionyl CoA carboxylase, beta polypeptide	I	6	-0.61	
CWT	P81475	CFB	NP_001701	complement factor B	E	6	-9.78	
CIKL	P81475	CFB	NP_001701	complement factor B	E	6	-9.78	
CIKL	Q92058	ALPL	NP_000469	alkaline phosphatase, liver/bone/kidney	E	6	-6.1	
CIKL	Q92058	ALPL	NP_000469	alkaline phosphatase, liver/bone/kidney	E	6	-6.1	
CIKL	E1BS67	SHMT1	NP_004160	serine hydroxymethyltransferase 1 (soluble)	I	6	-1.44	
CWT	F1NCR0	COL1A2	NP_000080	collagen, type I, alpha 2	E	6	-8.77	
CWT	F1NI72	COL1A2	NP_000080	collagen, type I, alpha 2	E	6	-8.77	
CIKL	F1NCR0	COL1A2	NP_000080	collagen, type I, alpha 2	E	6	-8.77	
CIKL	F1NI72	COL1A2	NP_000080	collagen, type I, alpha 2	E	6	-8.77	

CWT	F1NP63	KPNB1	NP_002256	karyopherin (importin) beta 1	I	6	0.15
CWT	E1BRQ0	PRPS2	NP_001034180	phosphoribosyl pyrophosphate synthetase 2	I	6	2.27
CIKL	E1BRQ0	PRPS2	NP_001034180	phosphoribosyl pyrophosphate synthetase 2	I	6	2.27
CWT	F1NKE5	MR1	NP_001522	major histocompatibility complex, class I-related	E	6	1.19
CWT	F1NKE5	MR1	NP_001522	major histocompatibility complex, class I-related	E	6	1.19
CIKL	Q6X3Z1	MR1	NP_001522	major histocompatibility complex, class I-related	E	6	1.19
CIKL	Q6X3Z1	MR1	NP_001522	major histocompatibility complex, class I-related	E	6	1.19
CIKL	E1C310	BCAP29	NP_001008405	B-cell receptor-associated protein 29	M	6	0.36
CWT	E1BW86	BAAT	NP_001121082	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	I	6	-5.33
CWT	F1NBC1	BAAT	NP_001121082	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	I	6	-5.33
CIKL	E1BW86	BAAT	NP_001121082	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	I	6	-5.33
CIKL	F1NBC1	BAAT	NP_001121082	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	I	6	-5.33
CIKL	Q03669	ATP2A2	NP_733765	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	M	5	-5.58
CIKL	F1NDL6	CNTNAP2	NP_054860	contactin associated protein-like 2	I	5	0.28
CIKL	F1NDL8	CNTNAP2	NP_054860	contactin associated protein-like 2	I	5	0.28
CWT	F1NM96	HNRNPU	NP_114032	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	I	5	-0.54
CWT	E1BTT4	HADHB	NP_000174	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	I	5	1.44
CIKL	E1BTT4	HADHB	NP_000174	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	I	5	1.44
CWT	O13268	PSMA7	NP_002783	proteasome (prosome, macropain) subunit, alpha type, 7	I	5	0.05
CWT	Q5ZIG5	GFPT1	NP_001231639	glutamine--fructose-6-phosphate transaminase 1	I	5	-1.04
CWT	F1P336	PABPC4	NP_001129125	poly(A) binding protein, cytoplasmic 4 (inducible form)	I	5	-2.92
CWT	P08288	HIST1H1D	NP_005311	histone cluster 1, H1d	I	5	

CIKL	P08288	HIST1H1D	NP_005311	histone cluster 1, H1d	I	5	
CWT	F1NW97	TUBA4A	NP_005991	tubulin, alpha 4a	E	5	-7.37
CIKL	F1NW97	TUBA4A	NP_005991	tubulin, alpha 4a	E	5	-7.37
CIKL	E1C3D2	SEPT2	NP_006146	septin 2	I	5	0.45
CIKL	F1NQC3	GLUL	NP_001028216	glutamate-ammonia ligase	I	5	-0.66
CWT	F1NS10	HNRNPM	NP_005959	heterogeneous nuclear ribonucleoprotein M	I	5	-1.66
CWT	P15575	SLC4A1	NP_000333	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	M	5	-1.34
CIKL	P15575	SLC4A1	NP_000333	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	M	5	-1.34
CWT	F1NRT9	INSR	NP_001073285	insulin receptor	M	5	4.3
CIKL	F1NJT2	INSR	NP_001073285	insulin receptor	M	5	4.3
CIKL	F1P1Z1	FANCI	NP_060663	Fanconi anemia, complementation group I	I	5	1.29
CWT	F1NRQ1	PPM1F	NP_055449	protein phosphatase, Mg2+/Mn2+ dependent, 1F	I	5	0.11
CIKL	F1NRQ1	PPM1F	NP_055449	protein phosphatase, Mg2+/Mn2+ dependent, 1F	I	5	0.11
CIKL	E1C0F1	RPN1	NP_002941	ribophorin I	M	5	-0.01
CIKL	F1NNX1	HDLBP	NP_976221	high density lipoprotein binding protein	I	5	-0.99
CWT	F1NPA9	RPS3	NP_000996	ribosomal protein S3	I	5	-1.49
CIKL	F1N9X5	RPS3	NP_000996	ribosomal protein S3	I	5	-1.49
CIKL	F1NG08	ANK2	NP_001139	ankyrin 2, neuronal	I	5	-6.1
CWT	F1NPL4	PCBP3	NP_065389	poly(rC) binding protein 3	I	5	
CIKL	F1NPL3	PCBP3	NP_065389	poly(rC) binding protein 3	I	5	
CWT	E1BS66	TF	NP_001054	transferrin	E	5	- 11.6 7
CIKL	E1BS66	TF	NP_001054	transferrin	E	5	- 11.6 7
CWT	F1C6V1	HLA-DPB1	NP_002112	major histocompatibility complex, class II, DP beta 1	M	5	-7.93
CIKL	E1BX41	ABCB11	NP_003733	ATP-binding cassette, sub-family B (MDR/TAP), member 11	M	5	
CIKL	Q9YH14	ATP5I	NP_009031	ATP synthase, H+ transporting, mitochondrial Fo complex,	I	5	2.11

subunit E							
CIKL	E1C8A8	TMCO1	NP_061899	transmembrane and coiled-coil domains 1	M	5	-0.24
CWT	Q6WJ01	FZD2	NP_001457	frizzled family receptor 2	M	5	-1.68
CIKL	Q6WJ01	FZD2	NP_001457	frizzled family receptor 2	M	5	-1.68
CWT	E1BR16	PCCA	NP_001121164	propionyl CoA carboxylase, alpha polypeptide	I	5	-3.61
CWT	F1P0M2	PCCA	NP_000273	propionyl CoA carboxylase, alpha polypeptide	I	5	-3.61
CIKL	E1BR16	PCCA	NP_001121164	propionyl CoA carboxylase, alpha polypeptide	I	5	-3.61
CIKL	F1P0M2	PCCA	NP_000273	propionyl CoA carboxylase, alpha polypeptide	I	5	-3.61
CIKL	Q4GWQ2	ND5	YP_002124312	NADH dehydrogenase subunit 5	I	5	
CIKL	F1NT18	CYP3A4	NP_001189784	cytochrome P450, family 3, subfamily A, polypeptide 4	I	5	-9.67
CWT	E1BZR1	HNRNPR	NP_005817	heterogeneous nuclear ribonucleoprotein R	I	5	-1.17
CIKL	E1BZR1	HNRNPR	NP_005817	heterogeneous nuclear ribonucleoprotein R	I	5	-1.17
CIKL	F1P180	GOT2	NP_002071	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	I	5	-2.1
CWT	F1NP51	LMNB2	NP_116126	lamin B2	I	5	-3.62
CIKL	F1NP51	LMNB2	NP_116126	lamin B2	I	5	-3.62
CWT	P02607	MYL6	NP_524147	myosin, light chain 6, alkali, smooth muscle and non-muscle	I	5	1.85
CIKL	P02607	MYL6	NP_524147	myosin, light chain 6, alkali, smooth muscle and non-muscle	I	5	1.85
CWT	P33879	ATP1B3	NP_001670	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	M	5	1.26
CIKL	P33879	ATP1B3	NP_001670	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	M	5	1.26
CWT	Q5F3T3	SEPT7	NP_001011553	septin 7	I	5	-0.05
CWT	F1P563	COL5A2	NP_000384	collagen, type V, alpha 2	E	5	-1.27
CIKL	F1P563	COL5A2	NP_000384	collagen, type V, alpha 2	E	5	-1.27
CWT	Q5ZM25	OLA1	NP_037473	Obg-like ATPase 1	I	5	-1.69
CWT	Q800K9	SURF4	NP_149351	surfeit 4	I	5	-1.87
CIKL	Q800K9	SURF4	NP_149351	surfeit 4	I	5	-1.87
CIKL	F1N9B4	ACADVL	NP_000009	acyl-CoA dehydrogenase, very long chain	I	5	-4.38
CWT	F1NAC3	C1R	NP_001724	complement component 1, r subcomponent	E	5	-5.04
CIKL	F1NAC3	C1R	NP_001724	complement component 1, r subcomponent	E	5	-5.04
CWT	F1NJR5	ANK1	NP_001135918	ankyrin 1, erythrocytic	I	5	-8.31

CIKL	F1NER3	PCDH19	NP_001098713	protocadherin 19	M	5	
CWT	E1BS56	SERPINA1	NP_001121179	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	E	5	-9.43
CWT	E1C7T1	SERPINA1	NP_001121179	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	E	5	-9.43
CIKL	E1BS56	SERPINA1	NP_001121179	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	E	5	-9.43
CIKL	E1C7T1	SERPINA1	NP_001121179	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	E	5	-9.43
CWT	P47836	RPS4X	NP_000998	ribosomal protein S4, X-linked	I	5	-0.62
CIKL	F1NFC6	RPS4X	NP_000998	ribosomal protein S4, X-linked	I	5	-0.62
CIKL	Q5U785	ATIC	NP_004035	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	I	5	-3.35
CWT	P53488	ACTR2	NP_005713	ARP2 actin-related protein 2 homolog (yeast)	I	5	-0.36
CIKL	P53488	ACTR2	NP_005713	ARP2 actin-related protein 2 homolog (yeast)	I	5	-0.36
CWT	F1NTQ4	DSG1	NP_001933	desmoglein 1	I	5	
CIKL	F1NTQ4	DSG1	NP_001933	desmoglein 1	I	5	
CWT	Q5ZJB9	NCSTN	NP_056146	nicastrin	I	5	-0.12
CIKL	Q5ZJB9	NCSTN	NP_056146	nicastrin	I	5	-0.12
CIKL	E1C297	MGST3	NP_004519	microsomal glutathione S-transferase 3	M	5	2.15
CIKL	E1BYC1	GHITM	NP_055209	growth hormone inducible transmembrane protein	I	5	0.9
CWT	Q8AWB7	SMC1A	NP_006297	structural maintenance of chromosomes 1A	I	5	-1.01
CIKL	P00504	GOT1	NP_002070	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	I	5	-1.27
CWT	P00940	TPI1	NP_000356	triosephosphate isomerase 1	I	4	0.05
CIKL	P00940	TPI1	NP_000356	triosephosphate isomerase 1	I	4	0.05
CIKL	F1NED8	FBP1	NP_000498	fructose-1,6-bisphosphatase 1	I	4	-7.03
CIKL	E1BQS9	GRM7	NP_000835	glutamate receptor, metabotropic 7	M	4	
CIKL	F1NL85	MAGT1	NP_115497	magnesium transporter 1	M	4	1.38
CIKL	F1NILO	SEPT8	NP_001092281	septin 8	I	4	0.37
CIKL	F1NMN7	ALDH9A1	NP_000687	aldehyde dehydrogenase 9 family, member A1	I	4	-2.24

CWT	E1BST4	PLXNB2	NP_036533	plexin B2	M	4	-6.28	
CIKL	E1BST4	PLXNB2	NP_036533	plexin B2	M	4	-6.28	
CWT	F1NKZ3	COL14A1	NP_066933	collagen, type XIV, alpha 1	E	4	-8.98	
CIKL	F1NKZ3	COL14A1	NP_066933	collagen, type XIV, alpha 1	E	4	-8.98	
CIKL	F1NKZ3	COL14A1	NP_066933	collagen, type XIV, alpha 1	E	4	-8.98	
CWT	P26009	ITGA8	NP_003629	integrin, alpha 8	M	4		
CIKL	P80226	FABP6	NP_001436	fatty acid binding protein 6, ileal	I	4		
CIKL	O13157	GFRA2	NP_001486	GDNF family receptor alpha 2	M	4		
CIKL	P26009	ITGA8	NP_003629	integrin, alpha 8	M	4		
CIKL	P00174	CYB5A	NP_683725	cytochrome b5 type A (microsomal)	I	4	-1.07	
CWT	F1N803	C1S	NP_001725	complement component 1, s subcomponent	E	4	-6.6	
CIKL	Q5F3N3	C1S	NP_001725	complement component 1, s subcomponent	E	4	-6.6	
CIKL	F1NTZ0	ADH1B	NP_000659	alcohol dehydrogenase 1B (class I), beta polypeptide	I	4	-9.56	
CWT	F1NKN8	HMBS	NP_000181	hydroxymethylbilane synthase	I	4	-3.62	
CIKL	F1NKN8	HMBS	NP_000181	hydroxymethylbilane synthase	I	4	-3.62	
CIKL	F1NDT9	ACP2	NP_001601	acid phosphatase 2, lysosomal	M	4	3.7	specific
CWT	E1C3Y5	SEC23A	NP_006355	Sec23 homolog A (S. cerevisiae)	I	4	0.73	
CIKL	E1C3Y5	SEC23A	NP_006355	Sec23 homolog A (S. cerevisiae)	I	4	0.73	
CWT	E1BW56	CYFIP1	NP_055423	cytoplasmic FMR1 interacting protein 1	I	4	0.24	
CWT	F1P304	ATP5O	NP_001688	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit	I	4	0.21	
CIKL	F1P304	ATP5O	NP_001688	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit	I	4	0.21	
CIKL	Q5F426	PDHA1	NP_000275	pyruvate dehydrogenase (lipoamide) alpha 1	I	4	-1.09	
CWT	E1BST6	CACNA2D1	NP_000713	calcium channel, voltage-dependent, alpha 2/delta subunit 1	M	4	-1.1	
CIKL	E1BST6	CACNA2D1	NP_000713	calcium channel, voltage-dependent, alpha 2/delta subunit 1	M	4	-1.1	
CWT	F1NPN3	SERPINA10	NP_001094077	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	E	4	-1.81	
CIKL	F1NPN3	SERPINA1	NP_001094077	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase,	E	4	-1.81	

		0		antitrypsin), member 10				
CIKL	F1NBN1	SEC61A1	NP_037468	Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)	I	4	-2.64	
CWT	Q6EE30	EEF1G	NP_001395	eukaryotic translation elongation factor 1 gamma	I	4	-2.67	
CIKL	Q6EE30	EEF1G	NP_001395	eukaryotic translation elongation factor 1 gamma	I	4	-2.67	
CIKL	E1C2T5	CR2	NP_001868	complement component (3d/Epstein Barr virus) receptor 2	M	4		
CIKL	E5DEK7	ND1	YP_003024026	NADH dehydrogenase, subunit 1 (complex I)	I	4		
CIKL	F1NLM5	SNRPD1	NP_008869	small nuclear ribonucleoprotein D1 polypeptide 16kDa	I	4	0.78	
CWT	F1NW23	CLTC	NP_004850	clathrin, heavy chain (Hc)	I	4	0.54	
CIKL	F1NW23	CLTC	NP_004850	clathrin, heavy chain (Hc)	I	4	0.54	
CWT	F1NXA5	CORO1C	NP_055140	coronin, actin binding protein, 1C	I	4	1.77	
CIKL	Q5ZI60	CORO1C	NP_055140	coronin, actin binding protein, 1C	I	4	1.77	
CIKL	Q07598	SCP2	NP_002970	sterol carrier protein 2	I	4	0.89	
CIKL	E1C175	SLC25A20	NP_000378	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	I	4	0.69	
CWT	Q5ZIZ0	PGD	NP_002622	phosphogluconate dehydrogenase	I	4	0.66	
CIKL	F1P0A1	XPNPEP1	NP_065116	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	I	4	0.51	
CIKL	P84169	PSMD13	NP_002808	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	I	4	-1.12	
CWT	F1P587	C4A	NP_009224	complement component 4A (Rodgers blood group)	E	4		
CIKL	F1P587	C4A	NP_009224	complement component 4A (Rodgers blood group)	E	4		
CWT	F1NDC2	RPS23	NP_001016	ribosomal protein S23	I	4	-0.07	
CIKL	F1NDC2	RPS23	NP_001016	ribosomal protein S23	I	4	-0.07	
CWT	F1NWI9	SYNCRIP	NP_006363	synaptotagmin binding, cytoplasmic RNA interacting protein	I	4	-0.39	
CIKL	Q5F420	ACSL1	NP_001986	acyl-CoA synthetase long-chain family member 1	I	4	-2.96	
CWT	F1NMT4	TTR	NP_000362	transthyretin	E	4	-8	
CIKL	P27731	TTR	NP_000362	transthyretin	E	4	-8	
CWT	F1NFY4	SPINK5	NP_001121170	serine peptidase inhibitor, Kazal type 5	E	4	3.03	specific
CWT	P01005	SPINK5	NP_006837	serine peptidase inhibitor, Kazal type 5	E	4	3.03	specific
CWT	P10184	SPINK5	NP_001121170	serine peptidase inhibitor, Kazal type 5	E	4	3.03	specific
CIKL	F1NMN2	SPINK5	NP_001121170	serine peptidase inhibitor, Kazal type 5	E	4	3.03	specific

CIKL	P01005	SPINK5	NP_006837	serine peptidase inhibitor, Kazal type 5	E	4	3.03	specific
CIKL	F1NMN2	SPINK5	NP_001121170	serine peptidase inhibitor, Kazal type 5	E	4	3.03	specific
CIKL	F1NNH9	TOMM70 A	NP_055635	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)	I	4	1.54	
CIKL	E1BWU4	NTNG1	NP_001106697	netrin G1	M	4	0.9	
CIKL	E1BYW5	CYP4V2	NP_997235	cytochrome P450, family 4, subfamily V, polypeptide 2	M	4	-0.76	
CIKL	F1NT14	MGST1	NP_665735	microsomal glutathione S-transferase 1	I	4	-1.18	
CIKL	F1NIX0	RPL8	NP_000964	ribosomal protein L8	I	4	-3.47	
CIKL	D0VX31	UQCRC1	NP_003356	ubiquinol-cytochrome c reductase core protein I	I	4	-3.54	
CIKL	F1P0K1	RRBP1	NP_001036041	ribosome binding protein 1 homolog 180kDa (dog)	I	4	-6.1	
CIKL	Q07718	RRBP1	NP_001036041	ribosome binding protein 1 homolog 180kDa (dog)	I	4	-6.1	
CWT	F1P3F9	GLUD1	NP_005262	glutamate dehydrogenase 1	I	4	-0.71	
CIKL	P00368	GLUD1	NP_005262	glutamate dehydrogenase 1	I	4	-0.71	
CIKL	F1P3F9	GLUD1	NP_005262	glutamate dehydrogenase 1	I	4	-0.71	
CWT	Q92007	ALDOA	NP_001230106	aldolase A, fructose-bisphosphate	E	4	-4.46	
CIKL	Q92007	ALDOA	NP_001230106	aldolase A, fructose-bisphosphate	E	4	-4.46	
CIKL	F1NHA2	RGMA	NP_001159761	RGM domain family, member A	I	4	-6.1	
CIKL	E1BXS5	DECR1	NP_001350	2,4-dienoyl CoA reductase 1, mitochondrial	I	3	2.22	
CWT	Q5ZME2	MDH1	NP_005908	malate dehydrogenase 1, NAD (soluble)	I	3	1.82	
CIKL	Q5ZME2	MDH1	NP_005908	malate dehydrogenase 1, NAD (soluble)	I	3	1.82	
CIKL	F1P4D7	PRPF4B	NP_003904	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	I	3	1.2	
CIKL	E1C958	LGMN	NP_001008530	legumain	I	3	0.28	
CIKL	E1C8Q3	ALDH18A 1	NP_002851	aldehyde dehydrogenase 18 family, member A1	I	3	0.21	
CWT	F1NWI3	SLC25A13	NP_055066	solute carrier family 25, member 13 (citrin)	I	3	-0.09	
CIKL	F1P3D9	SLC25A13	NP_055066	solute carrier family 25, member 13 (citric)	I	3	-0.09	
CWT	D6PZR1	PRNP	No hits	prion protein	M	3	-0.59	
CIKL	D6PZR1	PRNP	No hits	prion protein	M	3	-0.59	
CWT	E1BWD6	SLC4A4	NP_001091954	solute carrier family 4, sodium bicarbonate cotransporter, member 4	M	3	-7.03	

CIKL	E1BWD6	SLC4A4	NP_001091954	solute carrier family 4, sodium bicarbonate cotransporter, member 4	M	3	-7.03	
CIKL	F1NPJ1	TNR	NP_003276	tenascin R (restrictin, janusin)	E	3		
CIKL	Q71SG2	DPYSL2	NP_001184222	dihydropyrimidinase-like 2	I	3	5.42	
CIKL	E1C4T3	INADL	NP_795352	InaD-like (Drosophila)	I	3	0.1	
CWT	E1BRV6	SLC1A4	NP_003029	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	M	3	-2.9	
CIKL	E1BRV6	SLC1A4	NP_003029	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	M	3	-2.9	
CWT	E1BT96	ASPN	NP_060150	asporin	E	3	3.03	specific
CIKL	E1BT96	ASPN	NP_060150	asporin	E	3	3.03	specific
CWT	Q5ZKN8	TALDO1	NP_006746	transaldolase 1	I	3	-1.06	
CIKL	Q5ZKN8	TALDO1	NP_006746	transaldolase 1	I	3	-1.06	
CIKL	F1NXN9	HM13	NP_848696	histocompatibility (minor) 13	I	3	-2.18	
CIKL	F1P183	SORD	NP_003095	sorbitol dehydrogenase	E	3	-9.67	
CWT	F1NDN5	KRT13	NP_705694	keratin 13	I	3		
CWT	F1NIU0	SPTAN1	NP_001123910	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	I	3	-1.97	
CWT	Q90WD0	ACTR3	NP_005712	ARP3 actin-related protein 3 homolog (yeast)	I	3	0.72	
CIKL	Q90WD0	ACTR3	NP_005712	ARP3 actin-related protein 3 homolog (yeast)	I	3	0.72	
CWT	F1NZ66	SGCE	NP_003910	sarcoglycan, epsilon	I	3	6.04	specific
CIKL	F1NZ66	SGCE	NP_003910	sarcoglycan, epsilon	I	3	6.04	specific
CWT	F1NI29	HADHA	NP_000173	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit	I	3	-1.25	
CIKL	F1NI29	HADHA	NP_000173	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit	I	3	-1.25	
CIKL	F1NI29	HADHA	NP_000173	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit	I	3	-1.25	
CWT	F1NEA0	AKR1A1	NP_006057	aldo-keto reductase family 1, member A1 (aldehyde	I	3	-1.81	

				reductase)			
CIKL	F1N9F8	AKR1A1	NP_006057	aldo-keto reductase family 1, member A1 (aldehyde reductase)	I	3	-1.81
CIKL	D0VX26	CYC1	NP_001907	cytochrome c-1	I	3	-3.48
CIKL	E1C735	MAT1A	NP_000420	methionine adenosyltransferase I, alpha	I	3	
CWT	E1C4E4	CPT2	NP_000089	carnitine palmitoyltransferase 2	I	3	-1.97
CIKL	E1C4E4	CPT2	NP_000089	carnitine palmitoyltransferase 2	I	3	-1.97
CWT	F1NJ89	GALC	NP_000144	galactosylceramidase	I	3	-0.8
CIKL	F1NRI9	SULT2B1	NP_004596	sulfotransferase family, cytosolic, 2B, member 1	I	3	-1.71
CIKL	E1C4W4	ALDH7A1	NP_001173	aldehyde dehydrogenase 7 family, member A1	I	3	0.63
CIKL	F1P3U1	IMMT	NP_001093639	inner membrane protein, mitochondrial	I	3	0.35
CWT	F1NRK5	GARS	NP_002038	glycyl-tRNA synthetase	I	3	-2.06
CWT	P51641	CNTFR	NP_001833	ciliary neurotrophic factor receptor	M	3	
CIKL	P51641	CNTFR	NP_001833	ciliary neurotrophic factor receptor	M	3	
CIKL	E1C016	COPB2	NP_004757	coatamer protein complex, subunit beta 2 (beta prime)	I	3	-0.78
CIKL	F1NVG7	DPP6	NP_001927	dipeptidyl-peptidase 6	M	3	-1.71
CWT	E1BQZ4	EPB42	NP_001107606	erythrocyte membrane protein band 4.2	I	3	
CIKL	F1POS1	SLC26A2	NP_000103	solute carrier family 26 (sulfate transporter), member 2	M	3	-0.33
CIKL	E1BZT5	PRPF8	NP_006436	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	I	3	-0.88
CWT	E1BVT3	MDH2	NP_005909	malate dehydrogenase 2, NAD (mitochondrial)	I	3	-3.45
CIKL	E1BVT3	MDH2	NP_005909	malate dehydrogenase 2, NAD (mitochondrial)	I	3	-3.45
CIKL	E1BXW3	PFKL	NP_002617	phosphofructokinase, liver	I	3	-6.68
CWT	Q4GWP0	ND4	YP_003024035	NADH dehydrogenase, subunit 4 (complex I)	I	3	
CIKL	E5DEI6	ATP6	YP_003024031	ATP synthase F0 subunit 6	I	3	
CIKL	E5DEV7	ND4	YP_003024035	NADH dehydrogenase, subunit 4 (complex I)	I	3	
CIKL	F1NYW8	FAH	NP_000128	fumarylacetoacetate hydrolase (fumarylacetoacetase)	I	3	-
							10.2
							2
CIKL	F1P1X9	DBT	NP_001909	dihydrolipoamide branched chain transacylase E2	I	3	1.19
CIKL	Q683M9	ADSL	NP_000017	adenylosuccinate lyase	I	3	-1.48

CIKL	Q5F3L2	SERBP1	NP_056455	SERPINE1 mRNA binding protein 1	I	3	-1.49
CWT	P84172	TUFM	NP_003312	Tu translation elongation factor, mitochondrial	I	3	-4.04
CIKL	P84172	TUFM	NP_003312	Tu translation elongation factor, mitochondrial	I	3	-4.04
CWT	E1C5R3	NEFL	NP_006149	neurofilament, light polypeptide	I	2	-
							11.2
							9
CWT	F1NBT4	FECH	NP_000131	ferrochelatase	I	2	-0.28
CWT	Q5ZJZ2	RPL3	NP_000958	ribosomal protein L3	I	2	-1.65
CIKL	Q5ZJZ2	RPL3	NP_000958	ribosomal protein L3	I	2	-1.65
CIKL	F1NEP4	DPP10	NP_001171505	dipeptidyl-peptidase 10 (non-functional)	M	2	
CWT	F1NR99	CPOX	NP_000088	coproporphyrinogen oxidase	I	2	-1.54
CIKL	Q5ZMS9	USO1	NP_003706	USO1 vesicle docking protein homolog (yeast)	I	2	-0.07
CWT	F1NZ25	EIF3B	NP_001032360	eukaryotic translation initiation factor 3, subunit B	I	2	-3.64
CIKL	Q5ZM32	DLD	NP_000099	dihydrolipoamide dehydrogenase	I	2	1.73
CWT	F1NXM2	LBR	NP_002287	lamin B receptor	M	2	0.64
CIKL	F1NXM2	LBR	NP_002287	lamin B receptor	I	2	0.64
CIKL	Q5ZKG4	LBR	NP_002287	lamin B receptor	I	2	0.64
CWT	E1C378	HNMT	NP_008826	histamine N-methyltransferase	I	2	-1.1
CIKL	E1C378	HNMT	NP_008826	histamine N-methyltransferase	I	2	-1.1
CWT	F1P5K0	PTBP1	NP_002810	polypyrimidine tract binding protein 1	I	2	-3.55
CIKL	F1P5K0	PTBP1	NP_002810	polypyrimidine tract binding protein 1	I	2	-3.55
CWT	Q5ZKP8	KARS	NP_005539	lysyl-tRNA synthetase	I	2	-0.99
CWT	E1C0Q5	ACAT1	NP_000010	acetyl-CoA acetyltransferase 1	I	2	0.82
CIKL	E1C0Q5	ACAT1	NP_000010	acetyl-CoA acetyltransferase 1	I	2	0.82
CIKL	E1BSX0	AGXT	NP_000021	alanine-glyoxylate aminotransferase	I	2	-7.03
CWT	Q5ZLF7	KPNA4	NP_002259	karyopherin alpha 4 (importin alpha 3)	I	1	2.07
CIKL	Q5ZLF7	KPNA4	NP_002259	karyopherin alpha 4 (importin alpha 3)	I	1	2.07
CIKL	F1N9U7	DBH	NP_000778	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	E	1	-6.1
CWT	E1C006	PSMA2	NP_002778	proteasome (prosome, macropain) subunit, alpha type, 2	I	1	2.46
CIKL	E1C006	PSMA2	NP_002778	proteasome (prosome, macropain) subunit, alpha type, 2	I	1	2.46

CWT	Q8QH01	FMO3	NP_001002294	flavin containing monooxygenase 3	M	1	-7.03	
CIKL	Q8QH01	FMO3	NP_001002294	flavin containing monooxygenase 3	M	1	-7.03	
CWT	F1P064	IPO5	NP_002262	importin 5	I	1	0.21	
CIKL	Q9TP86	HLA-DRB5	NP_002116	major histocompatibility complex, class II, DR beta 5	E	1	-7.59	
CWT	P02001	HBA2	NP_000508	hemoglobin, alpha 2	I	1	-8.57	
CWT	P01994	HBA2	NP_000508	hemoglobin, alpha 2	I	1	-8.57	
CIKL	E1C4M2	HBA2	NP_000508	hemoglobin, alpha 2	I	1	-8.57	
CIKL	P01994	HBA2	NP_000508	hemoglobin, alpha 2	I	1	-8.57	
CIKL	Q910C5	MYH7	NP_000248	myosin, heavy chain 7, cardiac muscle, beta	I	1		
CIKL	E1C658	ATP5H	NP_006347	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d	I	0	8.31	specific
CWT	F1NLS1	LOC100652938	XP_003403495	macrophage mannose receptor 1-like	M	0	7.72	specific
CIKL	F1NLS1	LOC100652938	XP_003403495	macrophage mannose receptor 1-like	M	0	7.72	specific
CWT	F1P396	TLK1	NP_036422	tousled-like kinase 1	I	0	5.11	
CIKL	F1P396	TLK1	NP_036422	tousled-like kinase 1	I	0	5.11	
CWT	E1BX35	SLC25A43	NP_660348	solute carrier family 25, member 43	I	0	4.94	specific
CIKL	E1BX35	SLC25A43	NP_660348	solute carrier family 25, member 43	I	0	4.94	specific
CWT	F1NUU6	ENPP6	NP_699174	ectonucleotide pyrophosphatase/phosphodiesterase 6	E	0	4.69	specific
CIKL	F1NUU6	ENPP6	NP_699174	ectonucleotide pyrophosphatase/phosphodiesterase 6	E	0	4.69	specific
CWT	F1NHA7	C8orf84	NP_694957	chromosome 8 open reading frame 84	E	0	3.7	specific
CIKL	F1NHA7	C8orf84	NP_694957	chromosome 8 open reading frame 84	E	0	3.7	specific
CIKL	F1NIS2	TMEM119	NP_859075	transmembrane protein 119	M	0	3.51	specific
CIKL	Q5ZLA7	STT3A	NP_689926	STT3, subunit of the oligosaccharyltransferase complex, homolog A (S. cerevisiae)	M	0	3.5	
CWT	F1NK22	MAMDC2	NP_694999	MAM domain containing 2	E	0	3.03	specific
CWT	Q90WR6	SULT1C4	NP_006579	sulfotransferase family, cytosolic, 1C, member 4	I	0	3.03	specific
CIKL	F1NK22	MAMDC2	NP_694999	MAM domain containing 2	E	0	3.03	specific
CIKL	Q90WR6	SULT1C4	NP_006579	sulfotransferase family, cytosolic, 1C, member 4	I	0	3.03	specific

CWT	F1P1Q1	CA13	NP_940986	carbonic anhydrase XIII	I	0	2.72	specific
CIKL	E1BW27	TMEM33	NP_060596	transmembrane protein 33	M	0	2.49	
CWT	E1C6W5	FLRT2	NP_037363	fibronectin leucine rich transmembrane protein 2	M	0	2.47	
CIKL	E1C6W5	FLRT2	NP_037363	fibronectin leucine rich transmembrane protein 2	M	0	2.47	
CWT	E1C8L5	CEP128	NP_689659	centrosomal protein 128kDa	I	0	2.31	specific
CIKL	E1C8L5	CEP128	NP_689659	centrosomal protein 128kDa	I	0	2.31	specific
CIKL	E1C984	SSR3	NP_009038	signal sequence receptor, gamma (translocon-associated protein gamma)	I	0	2.12	
CIKL	F1NHL4	LAP3	NP_056991	leucine aminopeptidase 3	I	0	1.92	
CIKL	F1P2D2	BPNT1	NP_006076	3'(2'), 5'-bisphosphate nucleotidase 1	I	0	1.84	
CIKL	F1NU23	NIPSNAP3 A	NP_056284	nipsnap homolog 3A (C. elegans)	I	0	1.77	
CIKL	F1NNW5	ADAMTSL 5	NP_998769	ADAMTS-like 5	E	0	1.75	specific
CIKL	F1NT50	SDK1	NP_689957	sidekick homolog 1, cell adhesion molecule (chicken)	M	0	1.75	specific
CIKL	F1NEQ1	SLC25A22	NP_001177990	solute carrier family 25 (mitochondrial carrier: glutamate), member 22	I	0	1.75	specific
CWT	F1NRP6	FAM171A 1	NP_001010924	family with sequence similarity 171, member A1	M	0	1.75	
CIKL	F1NRP6	FAM171A 1	NP_001010924	family with sequence similarity 171, member A1	M	0	1.75	
CWT	E1BTV1	STOM	NP_004090	stomatin	M	0	1.66	
CIKL	E1BTV1	STOM	NP_004090	stomatin	M	0	1.66	
CWT	F1NCI4	RPL7	NP_000962	ribosomal protein L7	I	0	1.52	
CIKL	F1NCI4	RPL7	NP_000962	ribosomal protein L7	I	0	1.52	
CIKL	Q5ZJ57	NDUFS1	NP_001186913	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	I	0	1.48	
CWT	E1C080	RAB8B	NP_057614	RAB8B, member RAS oncogene family	I	0	1.26	
CWT	E1C6R0	IFT81	NP_054774	intraflagellar transport 81 homolog (Chlamydomonas)	I	0	1.23	
CIKL	E1C6R0	IFT81	NP_054774	intraflagellar transport 81 homolog (Chlamydomonas)	I	0	1.23	
CIKL	F1N9T0	HMGCS1	NP_002121	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)	I	0	1.23	

CIKL	F1NR54	SFXN1	NP_073591	sideroflexin 1	I	0	1.18	
CIKL	F1NJV0	NADKD1	NP_001078880	NAD kinase domain containing 1	I	0	1.15	
CIKL	E1BW57	NUDT5	NP_054861	nudix (nucleoside diphosphate linked moiety X)-type motif 5	I	0	1.14	
CIKL	F1N9P7	CPPED1	NP_060810	calcineurin-like phosphoesterase domain containing 1	I	0	1.08	
CIKL	E1C7S2	HSDL2	NP_115679	hydroxysteroid dehydrogenase like 2	I	0	1.05	
CIKL	F1NY37	ACOX1	NP_004026	acyl-CoA oxidase 1, palmitoyl	I	0	0.99	
CWT	F1NYP8	CPXM2	NP_937791	carboxypeptidase X (M14 family), member 2	E	0	0.82	specific
CWT	P27042	LYG2	NP_783862	lysozyme G-like 2	E	0	0.82	specific
CWT	P79762	ZP3	NP_001103824	zona pellucida glycoprotein 3 (sperm receptor)	E	0	0.82	specific
CIKL	F1NYP8	CPXM2	NP_937791	carboxypeptidase X (M14 family), member 2	E	0	0.82	specific
CIKL	F1P5H6	LYG2	NP_783862	lysozyme G-like 2	E	0	0.82	specific
CIKL	Q8AV57	SDK2	NP_001138424	sidekick homolog 2 (chicken)	M	0	0.82	specific
CIKL	E1C632	VWA2	NP_940898	von Willebrand factor A domain containing 2	E	0	0.82	specific
CIKL	P79762	ZP3	NP_001103824	zona pellucida glycoprotein 3 (sperm receptor)	E	0	0.82	specific
CIKL	Q5ZJQ5	DARS	NP_001340	aspartyl-tRNA synthetase	I	0	0.8	
CWT	Q6JLB2	PSMB1	NP_002784	proteasome (prosome, macropain) subunit, beta type, 1	I	0	0.69	
CIKL	Q6JLB2	PSMB1	NP_002784	proteasome (prosome, macropain) subunit, beta type, 1	I	0	0.69	
CIKL	E1C579	FASTKD1	NP_078898	FAST kinase domains 1	I	0	0.62	
CIKL	F1NH33	ALDH3A2	NP_000373	aldehyde dehydrogenase 3 family, member A2	I	0	0.54	
CIKL	E1C1T1	OCIAD1	NP_001161726	OCIA domain containing 1	I	0	0.53	
CWT	Q5ZIA5	COPB1	NP_001137533	coatamer protein complex, subunit beta 1	I	0	0.5	
CWT	Q5ZK45	MCCC1	NP_064551	methycrotonoyl-CoA carboxylase 1 (alpha)	I	0	0.41	
CIKL	F1NYK3	MCCC1	NP_064551	methycrotonoyl-CoA carboxylase 1 (alpha)	I	0	0.41	
CWT	F1NQU7	EIF4G2	NP_001036024	eukaryotic translation initiation factor 4 gamma, 2	I	0	0.33	
CIKL	F1NSC1	ATP5F1	NP_001679	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1	I	0	0.31	
CIKL	F1P1C2	TLCD2	NP_001157879	TLC domain containing 2	M	0	0.3	
CWT	E1C9B9	TTC39C	NP_001129465	tetratricopeptide repeat domain 39C	I	0	0.28	
CIKL	E1C9B9	TTC39C	NP_001129465	tetratricopeptide repeat domain 39C	I	0	0.28	
CIKL	E1BV75	DHRS7	NP_057113	dehydrogenase/reductase (SDR family) member 7	M	0	0.26	

CWT	F1NJD8	TMEM2	NP_037522	transmembrane protein 2	M	0	0.24
CIKL	F1NJD8	TMEM2	NP_037522	transmembrane protein 2	M	0	0.24
CWT	P18359	DSTN	NP_006861	destrin (actin depolymerizing factor)	I	0	0.23
CIKL	P38024	PAICS	NP_001072992	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	I	0	0.23
CIKL	P18359	DSTN	NP_006861	destrin (actin depolymerizing factor)	I	0	0.23
CIKL	F1P529	SF3B3	NP_036558	splicing factor 3b, subunit 3, 130kDa	I	0	0.22
CWT	Q5ZI29	IDH3A	NP_005521	isocitrate dehydrogenase 3 (NAD+) alpha	I	0	0.21
CIKL	Q5ZI29	IDH3A	NP_005521	isocitrate dehydrogenase 3 (NAD+) alpha	I	0	0.21
CIKL	Q5S036	BTN2A2	NP_001184167	butyrophilin, subfamily 2, member A2	M	0	0.11
CIKL	Q5S036	BTN2A2	NP_001184167	butyrophilin, subfamily 2, member A2	M	0	0.11
CIKL	E1BSA7	SEC24A	NP_068817	SEC24 family, member A (S. cerevisiae)	I	0	0.1
CIKL	Q5ZKX9	KDEL2	NP_006845	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	I	0	0.08
CIKL	F1NGS7	ARF4	NP_001651	ADP-ribosylation factor 4	I	0	0.04
CWT	F1P5I0	HNRNPA1 L2	NP_001011725	heterogeneous nuclear ribonucleoprotein A1-like 2	I	0	-0.02
CWT	E1BWV3	ATP5C1	NP_001001973	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	I	0	-0.04
CIKL	E1BWV3	ATP5C1	NP_001001973	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	I	0	-0.04
CWT	E1C073	EIF5	NP_892116	eukaryotic translation initiation factor 5	I	0	-0.09
CIKL	E1BT09	RAB3GAP 1	NP_036365	RAB3 GTPase activating protein subunit 1 (catalytic)	I	0	-0.11
CWT	E1BZS2	NAP1L1	NP_631946	nucleosome assembly protein 1-like 1	I	0	-0.15
CWT	O13256	OAS3	NP_006178	2'-5'-oligoadenylate synthetase 3, 100kDa	I	0	-0.17
CIKL	Q7ZZK3	PYGL	NP_002854	phosphorylase, glycogen, liver	I	0	-0.23
CIKL	Q5ZL37	SUCLG2	NP_003839	succinate-CoA ligase, GDP-forming, beta subunit	I	0	-0.4
CIKL	F1P4X2	TMEM14 C	NP_001158730	transmembrane protein 14C	I	0	-0.41

CIKL	F1NWS6	GRSF1	NP_002083	G-rich RNA sequence binding factor 1	I	0	-0.43
CWT	F1N9Z7	OXCT1	NP_000427	3-oxoacid CoA transferase 1	I	0	-0.46
CIKL	F1N9Z7	OXCT1	NP_000427	3-oxoacid CoA transferase 1	I	0	-0.46
CWT	F1NC02	PSMA4	NP_001096137	proteasome (prosome, macropain) subunit, alpha type, 4	I	0	-0.58
CWT	F1N8C3	ACAD9	NP_054768	acyl-CoA dehydrogenase family, member 9	I	0	-0.68
CIKL	F1N8C3	ACAD9	NP_054768	acyl-CoA dehydrogenase family, member 9	I	0	-0.68
CIKL	E1BRI3	ALDH5A1	NP_001071	aldehyde dehydrogenase 5 family, member A1	I	0	-0.69
CIKL	Q5ZL83	SUCLG1	NP_003840	succinate-CoA ligase, alpha subunit	I	0	-0.73
CIKL	F1NJJ1	HEPH	NP_620074	hephaestin	M	0	-0.74
CIKL	F1NQG5	RPL15	NP_001240312	ribosomal protein L15	I	0	-0.78
CWT	Q5ZJR3	OSTC	NP_067050	oligosaccharyltransferase complex subunit	M	0	-0.83
CIKL	Q5ZJR3	OSTC	NP_067050	oligosaccharyltransferase complex subunit	M	0	-0.83
CIKL	E1C1T9	EHHADH	NP_001957	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase	I	0	-0.85
CWT	F1NT30	AHNAK2	NP_612429	AHNAK nucleoprotein 2	I	0	-0.87
CIKL	F1NT30	AHNAK2	NP_612429	AHNAK nucleoprotein 2	I	0	-0.87
CIKL	D0VX29	UQCRC2	NP_003357	ubiquinol-cytochrome c reductase core protein II	I	0	-0.92
CWT	E1C6W3	OXSRI	NP_005100	oxidative-stress responsive 1	I	0	-1.3
CIKL	E1C8U7	KIAA1731	NP_203753	KIAA1731	I	0	-1.33
CIKL	Q5F428	EIF3L	NP_057175	eukaryotic translation initiation factor 3, subunit L	I	0	-1.34
CIKL	G1K350	TMEM16 7A	NP_777569	transmembrane protein 167A	M	0	-1.38
CIKL	F1N9U8	ETFA	NP_000117	electron-transfer-flavoprotein, alpha polypeptide	I	0	-1.39
CWT	Q5ZLV5	CNDP2	NP_060705	CNDP dipeptidase 2 (metallopeptidase M20 family)	I	0	-1.42
CWT	E1C3S1	SLC16A2	NP_006508	solute carrier family 16, member 2 (monocarboxylic acid transporter 8)	M	0	-1.44
CIKL	E1C3S1	SLC16A2	NP_006508	solute carrier family 16, member 2 (monocarboxylic acid transporter 8)	M	0	-1.44
CWT	Q5ZMK3	SCCPDH	NP_057086	saccharopine dehydrogenase (putative)	I	0	-1.46
CIKL	Q5ZMK3	SCCPDH	NP_057086	saccharopine dehydrogenase (putative)	I	0	-1.46
CWT	Q8JFP1	EIF4A2	NP_001958	eukaryotic translation initiation factor 4A2	I	0	-1.51

CIKL	Q8JFP1	EIF4A2	NP_001958	eukaryotic translation initiation factor 4A2	I	0	-1.51
CWT	F1P0E4	VDAC2	NP_001171752	voltage-dependent anion channel 2	I	0	-1.56
CIKL	F1P0E4	VDAC2	NP_001171752	voltage-dependent anion channel 2	I	0	-1.56
CIKL	E1C7F5	SLC33A1	NP_004724	solute carrier family 33 (acetyl-CoA transporter), member 1	I	0	-1.65
CIKL	E1C6A1	NNT	NP_892022	nicotinamide nucleotide transhydrogenase	I	0	-1.8
CWT	Q5ZHV4	BPGM	NP_001715	2,3-bisphosphoglycerate mutase	I	0	-1.82
CIKL	F1NXF9	MEGF6	NP_001400	multiple EGF-like-domains 6	M	0	-1.91
CWT	E1BZH9	HADH	NP_005318	hydroxyacyl-CoA dehydrogenase	I	0	-1.97
CIKL	E1BZH9	HADH	NP_005318	hydroxyacyl-CoA dehydrogenase	I	0	-1.97
CWT	E1C5Q1	DCBLD1	NP_775945	discoidin, CUB and LCCL domain containing 1	M	0	-2.08
CIKL	E1C5Q1	DCBLD1	NP_775945	discoidin, CUB and LCCL domain containing 1	M	0	-2.08
CIKL	Q5ZKZ9	LMF2	NP_149977	lipase maturation factor 2	M	0	-2.08
CIKL	F1NX57	GRHPR	NP_036335	glyoxylate reductase/hydroxypyruvate reductase	I	0	-2.28
CWT	Q90940	BLVRB	NP_000704	biliverdin reductase B (flavin reductase (NADPH))	I	0	-2.42
CWT	Q9IAY5	NUDT16L 1	NP_115725	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	I	0	-2.64
CWT	F1NEW8	OVOS2	XP_002343192	ovostatin 2	E	0	-2.64
CWT	E1BUN0	HAPLN3	NP_839946	hyaluronan and proteoglycan link protein 3	E	0	-2.64
CWT	E1C5B0	C2CD3	NP_056346	C2 calcium-dependent domain containing 3	I	0	-2.64
CIKL	F1NUK7	FLRT3	NP_037413	fibronectin leucine rich transmembrane protein 3	E	0	-2.64
CIKL	F1NAG7	FRAS1	NP_079350	Fraser syndrome 1	M	0	-2.64
CIKL	F1NRD5	NLGN3	NP_001160132	neuroligin 3	M	0	-2.64
CIKL	Q9IAY5	NUDT16L 1	NP_115725	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	I	0	-2.64
CIKL	F1NEW8	OVOS2	XP_002343192	ovostatin 2	E	0	-2.64
CIKL	E1C155	ALDH6A1	NP_005580	aldehyde dehydrogenase 6 family, member A1	I	0	-2.64
CIKL	E1BUN0	HAPLN3	NP_839946	hyaluronan and proteoglycan link protein 3	E	0	-2.64
CIKL	E1C5B0	C2CD3	NP_056346	C2 calcium-dependent domain containing 3	I	0	-2.64
CIKL	E1C1B7	YEATS2	NP_060493	YEATS domain containing 2	I	0	-2.64
CWT	F1NMT5	RAB10	NP_057215	RAB10, member RAS oncogene family	I	0	-2.73

CIKL	F1NMT5	RAB10	NP_057215	RAB10, member RAS oncogene family	I	0	-2.73
CIKL	F1NMT5	RAB10	NP_057215	RAB10, member RAS oncogene family	I	0	-2.73
CWT	F1NYI8	LONP2	NP_113678	lon peptidase 2, peroxisomal	I	0	-2.9
CIKL	Q9YHD2	HNRNPUL2	NP_001073027	heterogeneous nuclear ribonucleoprotein U-like 2	I	0	-2.93
CIKL	F1NTK1	PSAT1	NP_478059	phosphoserine aminotransferase 1	I	0	-3.02
CIKL	E1C3T6	ECI1	NP_001910	enoyl-CoA delta isomerase 1	I	0	-3.04
CIKL	O57536	NME4	NP_005000	non-metastatic cells 4, protein expressed in	I	0	-3.36
CIKL	F1P0W7	BRP44L	NP_057182	brain protein 44-like	I	0	-3.37
CIKL	F1P419	DAK	NP_056348	dihydroxyacetone kinase 2 homolog (<i>S. cerevisiae</i>)	I	0	-3.43
CWT	Q5ZJY1	PGLS	NP_036220	6-phosphogluconolactonase	I	0	-3.57
CWT	F1NW43	PKM2	NP_002645	pyruvate kinase, muscle	I	0	-3.83
CWT	F1P4U1	PKM2	NP_001193728	pyruvate kinase, muscle	I	0	-3.83
CIKL	F1NW43	PKM2	NP_002645	pyruvate kinase, muscle	I	0	-3.83
CWT	P53449	ALDOC	NP_005156	aldolase C, fructose-bisphosphate	I	0	-3.92
CIKL	P53449	ALDOC	NP_005156	aldolase C, fructose-bisphosphate	I	0	-3.92
CIKL	Q25C36	OLFML3	NP_064575	olfactomedin-like 3	E	0	-3.92
CIKL	P21642	PCK2	NP_004554	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	I	0	-3.94
CWT	E1BUA6	VNN1	NP_004657	vanin 1	M	0	-4.14
CIKL	F1NBE3	GCAT	NP_055106	glycine C-acetyltransferase	I	0	-4.14
CIKL	F1NL96	SEMA4G	NP_060363	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	M	0	-4.14
CIKL	E1BUA6	VNN1	NP_004657	vanin 1	M	0	-4.14
CIKL	F1NCA6	PGM1	NP_002624	phosphoglucomutase 1	I	0	-4.3
CIKL	Q8AYI3	ACO2	NP_001089	aconitase 2, mitochondrial	I	0	-4.48
CIKL	F1NI85	COMTD1	NP_653190	catechol-O-methyltransferase domain containing 1	M	0	-4.54
CIKL	F1NM65	ITFG3	NP_114428	integrin alpha FG-GAP repeat containing 3	M	0	-5.11
CWT	E1C5G2	IGSF3	NP_001007238	immunoglobulin superfamily, member 3	M	0	-5.52
CIKL	E1C5G2	IGSF3	NP_001007238	immunoglobulin superfamily, member 3	M	0	-5.52
CWT	F1NFG6	RHAG	NP_000315	Rh-associated glycoprotein	M	0	-5.98

CWT	E1BQW4	EGFLAM	NP_689616	EGF-like, fibronectin type III and laminin G domains	E	0	-6.1
CWT	F1NVG0	ISLR	NP_958934	immunoglobulin superfamily containing leucine-rich repeat	E	0	-6.1
CWT	Q9DEQ5	LRR17	NP_001026862	leucine rich repeat containing 17	E	0	-6.1
CWT	Q8JHF6	PC	NP_001035806	pyruvate carboxylase	I	0	-6.1
CIKL	F1NBC2	AADAC	NP_001077	arylamide deacetylase (esterase)	I	0	-6.1
CIKL	E1BVI3	ACSF2	NP_079425	acyl-CoA synthetase family member 2	I	0	-6.1
CIKL	E1BSV5	DOLPP1	NP_065171	dolichyl pyrophosphate phosphatase 1	M	0	-6.1
CIKL	E1BQW4	EGFLAM	NP_689616	EGF-like, fibronectin type III and laminin G domains	E	0	-6.1
CIKL	F1NVG0	ISLR	NP_958934	immunoglobulin superfamily containing leucine-rich repeat	E	0	-6.1
CIKL	Q9DEQ5	LRR17	NP_001026862	leucine rich repeat containing 17	E	0	-6.1
CIKL	F1NI62	MAMDC4	NP_996803	MAM domain containing 4	M	0	-6.1
CIKL	Q9DDD0	NRXN1	NP_001129131	neurexin 1	M	0	-6.1
CIKL	Q8JHF6	PC	NP_001035806	pyruvate carboxylase	I	0	-6.1
CIKL	E1BVA0	SLC13A3	NP_073740	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	I	0	-6.1
CIKL	E1C3A8	SUSD2	NP_062547	sushi domain containing 2	M	0	-6.1
CWT	F1NSS0	SPTB	NP_001020029	spectrin, beta, erythrocytic	I	0	-7.03
CWT	F1N9B2	TSEN54	NP_997229	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	I	0	-7.03
CIKL	E1C1E3	COCH	NP_001128530	coagulation factor C homolog, cochlin (Limulus polyphemus)	E	0	-7.03
CIKL	E1BV71	ECM2	NP_001384	extracellular matrix protein 2, female organ and adipocyte specific	E	0	-7.03
CIKL	F1N9B3	TSEN54	NP_997229	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	I	0	-7.03
CIKL	E1BVN6	VSIG4	NP_009199	V-set and immunoglobulin domain containing 4	M	0	-7.03
CIKL	Q5ZHS2	NDUFV1	NP_009034	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	I	0	-7.09
CWT	F1P174	MIPEP	NP_005923	mitochondrial intermediate peptidase	I	0	-7.59
CIKL	E1C4X0	FAM20C	NP_064608	family with sequence similarity 20, member C	E	0	-8
CIKL	E1C3Y2	HGD	NP_000178	homogentisate 1,2-dioxygenase	I	0	-8
CIKL	E1BQ63	SLC25A10	NP_036272	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	I	0	-8
CWT	F1NIZ8	METRNL	NP_001004431	meteorin, glial cell differentiation regulator-like	E	0	-8.31

CIKL	F1NIZ8	METRNL	NP_001004431	meteorin, glial cell differentiation regulator-like	E	0	-8.31
CIKL	F1NS69	PPP2R2D	NP_060931	protein phosphatase 2, regulatory subunit B, delta	I	0	-8.31
CIKL	F1NVJ0	HPD	NP_002141	4-hydroxyphenylpyruvate dioxygenase	I	0	-9.15
CIKL	Q6PKI8	PAH	NP_000268	phenylalanine hydroxylase	I	0	-9.15
CWT	P07341	ALDOB	NP_000026	aldolase B, fructose-bisphosphate	I	0	-9.43
CIKL	F1NTZ3	ALDOB	NP_000026	aldolase B, fructose-bisphosphate	I	0	-9.43
CWT	F1P0C8	SLC25A1	NP_005975	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	I	0	-9.97
CIKL	F1P0C8	SLC25A1	NP_005975	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	I	0	-9.97
CWT	F1P1B8	ART1	NP_004305	ADP-ribosyltransferase 1	M	0	
CWT	O42273	BPIFB2	NP_079503	BPI fold containing family B, member 2	M	0	
CWT	F1NNE4	C6orf191	NP_001010876	chromosome 6 open reading frame 191	M	0	
CWT	F1NB52	COPG	NP_057212	coatamer protein complex, subunit gamma	I	0	
CWT	E1C2B2	CPA2	NP_001860	carboxypeptidase A2 (pancreatic)	E	0	
CWT	F1NI34	EMID2	NP_597714	EMI domain containing 2	E	0	
CWT	F1NGR8	ENTPD2	NP_982293	ectonucleoside triphosphate diphosphohydrolase 2	M	0	
CWT	F1N9X1	HBE1	NP_005321	hemoglobin, epsilon 1	I	0	
CWT	E1C3W0	HBE1	NP_005321	hemoglobin, epsilon 1	I	0	
CWT	P02128	HBE1	NP_005321	hemoglobin, epsilon 1	I	0	
CWT	P02127	HBE1	NP_005321	hemoglobin, epsilon 1	I	0	
CWT	F1N9X2	HBE1	NP_005321	hemoglobin, epsilon 1	I	0	
CWT	P02007	HBZ	NP_005323	hemoglobin, zeta	I	0	
CWT	G1K329	HIST2H3D	NP_001116847	histone cluster 2, H3d	I	0	
CWT	Q5ZIP5	IRG1	XP_003403709	immunoresponsive 1 homolog (mouse)	I	0	
CWT	F1NDN6	KRT12	NP_000214	keratin 12	I	0	
CWT	O93532	KRT75	NP_004684	keratin 75	I	0	
CWT	Q6PVZ3	KRT75	NP_004684	keratin 75	I	0	
CWT	Q6PVZ5	KRT75	NP_004684	keratin 75	I	0	
CWT	Q6PVZ4	KRT75	NP_004684	keratin 75	I	0	

CWT	P21760	LCN15	NP_976222	lipocalin 15	E	0
CWT	E1BTW6	LCN15	NP_976222	lipocalin 15	E	0
CWT	F1NWA7	LPHN3	NP_056051	latrophilin 3	M	0
CWT	A7UEB0	ORM2	NP_000599	orosomucoid 2	E	0
CWT	E1BQU9	PRSS35	NP_001163894	protease, serine, 35	E	0
CWT	F1NF48	UPK3B	NP_872625	uroplakin 3B	M	0
CWT	P41366	VMO1	NP_872372	vitelline membrane outer layer 1 homolog (chicken)	E	0
CIKL	F1NW73	ABCA10	NP_525021	ATP-binding cassette, sub-family A (ABC1), member 10	M	0
CIKL	E1C8Q2	AGXT2L1	NP_112569	alanine-glyoxylate aminotransferase 2-like 1	I	0
CIKL	F1P077	ALG12	NP_077010	asparagine-linked glycosylation 12, alpha-1,6-mannosyltransferase homolog (<i>S. cerevisiae</i>)	I	0
CIKL	A9NJ60	ART1	NP_004305	ADP-ribosyltransferase 1	M	0
CIKL	O42273	BPIFB2	NP_079503	BPI fold containing family B, member 2	M	0
CIKL	F1NMB4	C9orf30-TMEFF1	NP_001185741	C9orf30-TMEFF1 readthrough	M	0
CIKL	P02701	chick only	chick only			0
CIKL	F1NW79	CNTNAP5	NP_570129	contactin associated protein-like 5	M	0
CIKL	Q5F402	COPG	NP_057212	coatamer protein complex, subunit gamma	I	0
CIKL	E1C2B2	CPA2	NP_001860	carboxypeptidase A2 (pancreatic)	E	0
CIKL	F1NI34	EMID2	NP_597714	EMI domain containing 2	E	0
CIKL	F1N9T9	ENPP4	NP_055751	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative)	M	0
CIKL	F1NGR8	ENTPD2	NP_982293	ectonucleoside triphosphate diphosphohydrolase 2	M	0
CIKL	O93295	ENTPD8	NP_001028285	ectonucleoside triphosphate diphosphohydrolase 8	M	0
CIKL	F1NJE8	ENTPD8	NP_001028285	ectonucleoside triphosphate diphosphohydrolase 8	M	0
CIKL	F1P5W0	FREM1	NP_659403	FRAS1 related extracellular matrix 1	E	0
CIKL	A6N8N7	GCGR	NP_000151	glucagon receptor	M	0
CIKL	E1BXA6	GRID1	NP_060021	glutamate receptor, ionotropic, delta 1	M	0
CIKL	E1C3W0	HBE1	NP_005321	hemoglobin, epsilon 1	I	0
CIKL	F1N9X2	HBE1	NP_005321	hemoglobin, epsilon 1	I	0

CIKL	P02112	HBE1	NP_005321	hemoglobin, epsilon 1	I	0
CIKL	P02128	HBE1	NP_005321	hemoglobin, epsilon 1	I	0
CIKL	P02127	HBE1	NP_005321	hemoglobin, epsilon 1	I	0
CIKL	P02007	HBZ	NP_005323	hemoglobin, zeta	I	0
CIKL	E1C1P7	HHLA2	NP_009003	HERV-H LTR-associating 2	M	0
CIKL	G1K331	HIST2H3D	NP_001116847	histone cluster 2, H3d	I	0
CIKL	F1NDN6	KRT12	NP_000214	keratin 12	I	0
CIKL	O93532	KRT75	NP_004684	keratin 75	I	0
CIKL	Q6PVZ4	KRT75	NP_004684	keratin 75	I	0
CIKL	Q6PVZ5	KRT75	NP_004684	keratin 75	I	0
CIKL	E1C0K3	LCN15	NP_976222	lipocalin 15	E	0
CIKL	P21760	LCN15	NP_976222	lipocalin 15	E	0
CIKL	A9DA44	LINGO1	NP_116197	leucine rich repeat and Ig domain containing 1	M	0
CIKL	F1NWA7	LPHN3	NP_056051	latrophilin 3	M	0
CIKL	F1P2C4	LRRC4C	NP_065980	leucine rich repeat containing 4C	M	0
CIKL	F1P434	MOGAT1	NP_477513	monoacylglycerol O-acyltransferase 1	I	0
CIKL	F1NBR3	MOXD1	NP_056344	monooxygenase, DBH-like 1	I	0
CIKL	F1NSJ4	NFASC	NP_001153803	neurofascin	M	0
CIKL	F1NA31	ODZ4	NP_001092286	odz, odd Oz/ten-m homolog 4 (Drosophila)	M	0
CIKL	F1NVT3	ODZ4	NP_001092286	odz, odd Oz/ten-m homolog 4 (Drosophila)	M	0
CIKL	E1BWY9	OIT3	NP_689848	oncoprotein induced transcript 3	I	0
CIKL	E1BUB7	OLFM3	NP_477518	olfactomedin 3	E	0
CIKL	A7UEB0	ORM2	NP_000599	orosomucoid 2	E	0
CIKL	E1BQU9	PRSS35	NP_001163894	protease, serine, 35	E	0
CIKL	F1P092	RIMS2	NP_001093587	regulating synaptic membrane exocytosis 2	M	0
CIKL	E1BVW9	SLC4A10	NP_001171487	solute carrier family 4, sodium bicarbonate transporter, member 10	M	0
CIKL	F1NNK3	SLC5A9	NP_001011547	solute carrier family 5 (sodium/glucose cotransporter), member 9	M	0
CIKL	F1NPD1	SULT6B1	NP_001027549	sulfotransferase family, cytosolic, 6B, member 1	I	0

CIKL	F1NF48	UPK3B	NP_872625	uroplakin 3B	M	0
CIKL	F1P573	VKORC1L 1	NP_775788	vitamin K epoxide reductase complex, subunit 1-like 1	M	0
CWT	Q8AV77	chick only	chick only			
CWT	E5KV59	chick only	chick only			
CWT	E5KV52	chick only	chick only			
CWT	P80389	chick only	chick only			
CWT	P02701	chick only	chick only			
CWT	F1P350	Egg	Egg			
CWT	E1BYN6	Egg	Egg			
CWT	P87498	Egg	Egg			
CWT	P02845	Egg	Egg			
CWT	E1BYN5	Egg	Egg			
CWT	P02659	No hits	No hits			
CWT	Q6X3Y6	No hits	No hits			
CWT	E1C272	No hits	No hits			
CIKL	E5KV52	chick only	chick only			
CIKL	P46158	chick only	chick only			
CIKL	E1BYN5	Egg	Egg			
CIKL	E1BYN6	Egg	Egg			
CIKL	P87498	Egg	Egg			
CIKL	P02845	Egg	Egg			
CIKL	P87498	Egg	Egg			
CIKL	P02659	No hits	No hits			
CIKL	E1BQR3	No hits	No hits			
CIKL	E1BXS4	No hits	No hits			
CIKL	E1C272	No hits	No hits			
CIKL	F1P4U8	No hits	No hits			
CIKL	Q7LZ18	No hits	No hits			

Appendix table A.2.3.1; This table as the total redundant number of chicken proteins found for both CIKL and CTW pools. If the proteins are sorted non-redundantly, there are 1370 proteins, which represent 1157 non-redundant human orthologs.

Appendix table A.2.12.1 Total list of AngioScores for all orthologs

Human Gene	Human Product	GO CC class	Angio Score	log2 (FC)	Endo Specific
KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	M	94	4	
CDH5	cadherin 5, type 2 (vascular endothelium)	M	90	8.45	specific
FLT4	fms-related tyrosine kinase 4	M	86	-1.71	
EDNRA	endothelin receptor type A	M	81	-8	
PROCR	protein C receptor, endothelial	M	80	-0.36	
TEK	TEK tyrosine kinase, endothelial	M	77	7.3	specific
ECE1	endothelin converting enzyme 1	M	74	-0.31	
CA9	carbonic anhydrase IX	I	74		
AOC3	amine oxidase, copper containing 3 (vascular adhesion protein 1)	M	70		
COL18A1	collagen, type XVIII, alpha 1	E	70	-2.13	
VCAM1	vascular cell adhesion molecule 1	M	70	-0.35	
PECAM1	platelet/endothelial cell adhesion molecule	M	70	5.56	
NRP2	neuropilin 2	M	69	0.4	
SERPINF5	serpin peptidase inhibitor, clade B (ovalbumin), member 5	E	68	2.72	specific
TUSC5	tumor suppressor candidate 5	M	67		
NRP1	neuropilin 1	M	66	2.68	
ANGPT2	angiopoietin 2	E	66	10.68	specific
MCAM	melanoma cell adhesion molecule	M	65	1.95	
CADM1	cell adhesion molecule 1	M	65	-2.38	
IGFBP7	insulin-like growth factor binding protein 7	E	63	0.17	
ADAM17	ADAM metallopeptidase domain 17	M	63	2.95	
ANG	angiogenin, ribonuclease, RNase A family, 5	E	62	-2.07	
TIE1	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	M	62	2.4	
CDCP1	CUB domain containing protein 1	M	59	-2.57	
ENG	endoglin	M	59	3.63	
MFI2	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	E	58		
PLXND1	plexin D1	M	58	4.15	specific
LRIG1	leucine-rich repeats and immunoglobulin-like domains 1	M	57	-2.33	
JAM3	junctional adhesion molecule 3	M	57	0.06	
RECK	reversion-inducing-cysteine-rich protein with kazal motifs	M	56	0.54	
ANGPTL1	angiopoietin-like 1	E	55		
DMBT1	deleted in malignant brain tumors 1	E	55		
FGFBP1	fibroblast growth factor binding protein 1	E	55	-8.79	
THBS1	thrombospondin 1	E	55	3.24	
NME1-NME2	NME1-NME2 readthrough	I	54	-1.36	
STAB1	stabilin 1	M	53	0.41	

LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	M	53	4.94	specific
SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	E	52	-9.3	
PROM1	prominin 1	M	51	-9.43	
ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2	M	51	2.65	
COLEC12	collectin sub-family member 12	M	50	1.75	specific
EDIL3	EGF-like repeats and discoidin I-like domains 3	E	50	-7.03	
KLF2	Kruppel-like factor 2 (lung)	I	50		
DKK3	dickkopf 3 homolog (Xenopus laevis)	E	49	0.52	
PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	M	49	-4.54	
FH	fumarate hydratase	I	48	-1.09	
CD44	CD44 molecule (Indian blood group)	M	47	-1.59	
ALCAM	activated leukocyte cell adhesion molecule	E	46	1.2	
TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	M	46		
LOXL2	lysyl oxidase-like 2	E	45	-1.8	
ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	M	45	1.5	
F3	coagulation factor III (thromboplastin, tissue factor)	E	45	-0.26	
CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	I	44	2.31	specific
SRPX	sushi-repeat containing protein, X-linked	E	44	6.79	specific
ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	I	44	-7.03	
BSG	basigin (Ok blood group)	I	44	-4.83	
ANGPTL2	angiopoietin-like 2	E	44	0.05	
MET	met proto-oncogene (hepatocyte growth factor receptor)	M	44	-0.82	
COL4A6	collagen, type IV, alpha 6	E	43		
GPR124	G protein-coupled receptor 124	M	43	-1.15	
THBD	thrombomodulin	M	43	4.78	specific
CDH13	cadherin 13, H-cadherin (heart)	M	42	4.35	
THBS2	thrombospondin 2	E	42	-8.98	
MMRN1	multimerin 1	E	42	9.54	specific
TNFAIP6	tumor necrosis factor, alpha-induced protein 6	E	42		
SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	E	41	0.16	
CTNNB1	catenin (cadherin-associated protein), beta 1, 88kDa	E	41	2.63	
CDH17	cadherin 17, LI cadherin (liver-intestine)	M	41	-6.1	
ANTXR1	anthrax toxin receptor 1	M	40	0.86	
CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	M	40	-2.64	
ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	M	40	-0.33	
POSTN	periostin, osteoblast specific factor	E	40	0.98	
ANGPTL4	angiopoietin-like 4	E	40	-0.74	
TAGLN	transgelin	I	40	-	

				11.32	
IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	I	39	0.34	
MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	M	39	-6.1	
EPHB2	EPH receptor B2	M	39	0.69	
AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	I	39	-7.59	
CAV1	caveolin 1, caveolae protein, 22kDa	I	39	4.78	
NT5E	5'-nucleotidase, ecto (CD73)	M	38	0.89	
STAB2	stabilin 2	M	38	-7.03	
TP53I11	tumor protein p53 inducible protein 11	M	38	-0.52	
TNC	tenascin C	E	38	-3.39	
CD200	CD200 molecule	M	38	-2.64	
SLIT2	slit homolog 2 (Drosophila)	E	38		
EPCAM	epithelial cell adhesion molecule	M	38	-8.57	
MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	E	38	-1.02	
CDH1	cadherin 1, type 1, E-cadherin (epithelial)	M	38	-4.8	
PODN	podocan	E	38		
S100P	S100 calcium binding protein P	I	38	1.75	specific
CLDN1	claudin 1	M	37	-8.23	
PODXL	podocalyxin-like	M	37	4.69	
PXDN	peroxidasin homolog (Drosophila)	M	37	0.69	
SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	I	37	-1.7	
CDH2	cadherin 2, type 1, N-cadherin (neuronal)	M	36	-3	
FAP	fibroblast activation protein, alpha	E	36	-2.08	
LAMA4	laminin, alpha 4	E	36	2.04	
PTX3	pentraxin 3, long	E	36	1.98	
PLXNB1	plexin B1	M	35	-5.52	
ITGA9	integrin, alpha 9	M	35	0.82	specific
WNT5A	wingless-type MMTV integration site family, member 5A	E	35	-1.71	
CD276	CD276 molecule	M	35	-2.64	
MSLN	mesothelin	E	35		
OPCML	opioid binding protein/cell adhesion molecule-like	M	35		
SFN	stratifin	E	35	-9.56	
CSPG4	chondroitin sulfate proteoglycan 4	M	35		
EPHB1	EPH receptor B1	M	35	4.02	specific
SDC1	syndecan 1	I	35	-9.97	
PTPRO	protein tyrosine phosphatase, receptor type, O	M	34	-7.03	
SERPINF9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	E	34	2.56	
ST14	suppression of tumorigenicity 14 (colon carcinoma)	E	34	-8.57	
AFP	alpha-fetoprotein	E	34		
MSN	moesin	I	34	-0.7	
ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of	M	34	1.4	

	VLA-4 receptor)			
ANO4	anoctamin 4	M	33	
CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	M	33	
CD40	CD40 molecule, TNF receptor superfamily member 5	M	33	-1.49
KIAA1161	KIAA1161	M	33	-0.74
RARRES1	retinoic acid receptor responder (tazarotene induced) 1	M	33	-9.43
SERPINB10	serpin peptidase inhibitor, clade B (ovalbumin), member 10	I	33	
SFRP1	secreted frizzled-related protein 1	E	33	-8
TACC1	transforming, acidic coiled-coil containing protein 1	I	33	3.3
ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	M	33	1.24
EGFR	epidermal growth factor receptor	M	33	-5.33
ITGB5	integrin, beta 5	M	33	-0.22
EZR	ezrin	I	33	-1.75
TRAP1	TNF receptor-associated protein 1	I	33	-4.39
EPHA1	EPH receptor A1	M	33	
LAMC2	laminin, gamma 2	E	33	-3.54
CD151	CD151 molecule (Raph blood group)	M	33	-5.19
HSPG2	heparan sulfate proteoglycan 2	E	32	-1.28
ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	M	32	0.63
ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	M	32	-3.2
THY1	Thy-1 cell surface antigen	I	32	-9.43
KNG1	kininogen 1	E	32	-8.57
HRSP12	heat-responsive protein 12	I	31	-2.23
PTPRG	protein tyrosine phosphatase, receptor type, G	M	31	3.87 specific
RPSA	ribosomal protein SA	I	31	-3.32
ALDH1A1	aldehyde dehydrogenase 1 family, member A1	I	31	4.21
LSAMP	limbic system-associated membrane protein	M	31	
KRT19	keratin 19	I	31	- 13.06
FOLH1	folate hydrolase (prostate-specific membrane antigen) 1	M	31	
IGF1R	insulin-like growth factor 1 receptor	M	30	1.63
PDGFRB	platelet-derived growth factor receptor, beta polypeptide	M	30	-8.79
SEMA4D	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D	E	30	-1.71
SERPINB3	serpin peptidase inhibitor, clade B (ovalbumin), member 3	E	30	-6.1
COL4A2	collagen, type IV, alpha 2	E	30	-3.29
ADAM10	ADAM metalloproteinase domain 10	M	30	2.93
COL15A1	collagen, type XV, alpha 1	E	30	4.15 specific

EMILIN2	elastin microfibril interfacer 2	E	30	
SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	M	30	-0.11
IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	I	30	-4.68
DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta	I	30	-7.59
MYLK	myosin light chain kinase	I	30	-0.41
CTSB	cathepsin B	E	30	0.8
LAMA5	laminin, alpha 5	E	30	-5.84
VWF	von Willebrand factor	E	30	8.81 specific
DCBLD2	discoidin, CUB and LCCL domain containing 2	M	29	-0.08
SRPX2	sushi-repeat containing protein, X-linked 2	E	29	2.1
RHOA	ras homolog gene family, member A	I	29	-1.22
THBS4	thrombospondin 4	E	29	
CD99	CD99 molecule	M	29	-0.13
JUP	junction plakoglobin	I	29	-2.03
PTPRK	protein tyrosine phosphatase, receptor type, K	M	29	-0.62
VTN	vitronectin	E	29	-8.79
RHOC	ras homolog gene family, member C	I	29	-3.05
CDH6	cadherin 6, type 2, K-cadherin (fetal kidney)	M	29	-1.44
ESAM	endothelial cell adhesion molecule	M	29	1.5
GAS1	growth arrest-specific 1	M	29	-8
GPC4	glypican 4	E	29	-6.1
ITIH5	inter-alpha-trypsin inhibitor heavy chain family, member 5	E	29	0.05
PSCA	prostate stem cell antigen	M	29	
VWA1	von Willebrand factor A domain containing 1	E	29	-7.03
PROC	protein C (inactivator of coagulation factors Va and VIIIa)	E	28	-7.03
CD9	CD9 molecule	M	28	2.56
SOD3	superoxide dismutase 3, extracellular	E	28	
FAS	Fas (TNF receptor superfamily, member 6)	M	28	-2.28
ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	E	28	
GPI	glucose-6-phosphate isomerase	E	28	3.24
COL4A1	collagen, type IV, alpha 1	E	28	2.09
ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	M	28	- 11.05
UPK1B	uroplakin 1B	M	28	1.55
FAT1	FAT tumor suppressor homolog 1 (Drosophila)	I	28	- 10.22
CLEC4M	C-type lectin domain family 4, member M	M	27	-1.15
GPX3	glutathione peroxidase 3 (plasma)	E	27	-4.59
ANP32A	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	I	27	-1
ITGA6	integrin, alpha 6	M	27	2.67
ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	M	27	-2.24
ANXA2	annexin A2	E	27	0.79

TUBB3	tubulin, beta 3 class III	I	26	-6.57	
ITGB4	integrin, beta 4	M	26	-6.51	
PLXNA1	plexin A1	M	26	-7.03	
MME	membrane metallo-endopeptidase	M	26	-3.2	
ANXA1	annexin A1	I	25	3.64	
CLU	clusterin	E	25	-2.8	
ANPEP	alanyl (membrane) aminopeptidase	I	25	-4.3	
B4GALT5	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	M	25	-1.74	
CMBL	carboxymethylenebutenolidase homolog (Pseudomonas)	I	25	0.56	
ERP29	endoplasmic reticulum protein 29	I	25	-2.1	
FBLN1	fibulin 1	E	25	-3.62	
PLXNC1	plexin C1	I	25	-6.1	
PTPRB	protein tyrosine phosphatase, receptor type, B	M	25	4.62	
SLC26A1	solute carrier family 26 (sulfate transporter), member 1	M	25	0.82	specific
SMPDL3B	sphingomyelin phosphodiesterase, acid-like 3B	E	25		
ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	M	25	0.1	
LPA	lipoprotein, Lp(a)	E	25	-6.1	
CALCRL	calcitonin receptor-like	M	25	8	specific
KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	M	24		
CA4	carbonic anhydrase IV	M	24		
VCAN	versican	E	24	-	
				10.49	
CD109	CD109 molecule	M	24	4.16	
EML4	echinoderm microtubule associated protein like 4	I	24	-1	
ACTA2	actin, alpha 2, smooth muscle, aorta	I	24	-3.52	
GNMT	glycine N-methyltransferase	I	24		
PLS3	plastin 3	I	24	1.74	
LCP1	lymphocyte cytosolic protein 1 (L-plastin)	I	24	-8.46	
PEBP1	phosphatidylethanolamine binding protein 1	E	24	-2.52	
HSP90B1	heat shock protein 90kDa beta (Grp94), member 1	I	24	-0.68	
CXADR	coxsackie virus and adenovirus receptor	M	24	3.08	
ITGB2	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	M	24	-9.78	
FGFR3	fibroblast growth factor receptor 3	M	24	0.82	specific
DCN	decorin	E	24	-5.6	
TXN	thioredoxin	E	24	3.2	
HRG	histidine-rich glycoprotein	E	24	-8.98	
NGFR	nerve growth factor receptor	M	24		
PLG	plasminogen	E	24	-8.57	
PTPRM	protein tyrosine phosphatase, receptor type, M	M	23	1.15	
RPL11	ribosomal protein L11	I	23	-0.36	
GPA33	glycoprotein A33 (transmembrane)	M	23		

HSPA9	heat shock 70kDa protein 9 (mortalin)	I	23	-1.7	
LAMC3	laminin, gamma 3	E	23		
PTGR1	prostaglandin reductase 1	I	23	2.05	
L1CAM	L1 cell adhesion molecule	I	23	-7.59	
CPM	carboxypeptidase M	I	23	1.61	
CD93	CD93 molecule	M	23	7.87	specific
HGFAC	HGF activator	E	23		
MINPP1	multiple inositol-polyphosphate phosphatase 1	I	23	-1.25	
PVRL3	poliovirus receptor-related 3	M	23	5.73	specific
CD36	CD36 molecule (thrombospondin receptor)	M	23	1.88	
FN1	fibronectin 1	E	22	-1.28	
HMGB1	high mobility group box 1	I	22	0.24	
HSP90AA1	heat shock protein 90kDa alpha (cytosolic), class A member 1	I	22	-1.2	
A2ML1	alpha-2-macroglobulin-like 1	E	22		
CD47	CD47 molecule	M	22	3.52	
LRRC15	leucine rich repeat containing 15	M	22		
MDGA1	MAM domain containing glycosylphosphatidylinositol anchor 1	M	22		
SIRPA	signal-regulatory protein alpha	M	22	-0.66	
LAMC1	laminin, gamma 1 (formerly LAMB2)	E	22	-0.05	
COL11A1	collagen, type XI, alpha 1	E	22		
COL12A1	collagen, type XII, alpha 1	E	22	-4.61	
FSTL1	folliculin-like 1	E	22	0.19	
TGFBR3	transforming growth factor, beta receptor III	M	22	-0.46	
ITGB6	integrin, beta 6	M	22	-7.59	
VIM	vimentin	I	21	1.8	
AGT	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	E	21		
HSPD1	heat shock 60kDa protein 1 (chaperonin)	E	21	-1.9	
CNN1	calponin 1, basic, smooth muscle	I	21	-6.1	
NOTCH2	notch 2	M	21	-2.98	
LECT2	leukocyte cell-derived chemotaxin 2	E	21	-2.9	
SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	I	21		
STEAP3	STEAP family member 3, metalloredutase	M	21	-2.64	
ITGA1	integrin, alpha 1	M	21	0.93	
SPINT1	serine peptidase inhibitor, Kunitz type 1	E	21	-7.59	
ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	E	21	1.75	specific
EPHA4	EPH receptor A4	M	21	-2.64	
CSE1L	CSE1 chromosome segregation 1-like (yeast)	I	20	-0.83	
ENO1	enolase 1, (alpha)	I	20	-0.79	
FBLN5	fibulin 5	E	20	-4.14	
LAMB1	laminin, beta 1	E	20	1.98	
FOLR1	folate receptor 1 (adult)	M	20		
FGB	fibrinogen beta chain	E	20	-6.68	

NCAM1	neural cell adhesion molecule 1	I	20	-8.57	
TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	I	20	0.71	
ACAA2	acetyl-CoA acyltransferase 2	I	20	-1.23	
EGFL6	EGF-like-domain, multiple 6	E	20	-7.03	
FAT4	FAT tumor suppressor homolog 4 (Drosophila)	M	20	5.08	specific
FETUB	fetuin B	E	20	-8	
GPC1	glypican 1	E	20	-3.57	
LDHA	lactate dehydrogenase A	I	20	0.64	
LUM	lumican	E	20	-9.3	
NAALADL2	N-acetylated alpha-linked acidic dipeptidase-like 2	M	20	-6.1	
NTRK3	neurotrophic tyrosine kinase, receptor, type 3	M	20	-6.1	
REEP5	receptor accessory protein 5	M	20	0.72	
TUBB6	tubulin, beta 6 class V	I	20	0.94	
UNC5C	unc-5 homolog C (C. elegans)	M	20		
YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	I	20	0.26	
CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	E	20	-1.85	
ANTXR2	anthrax toxin receptor 2	M	19	0.19	
PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha	I	19	1.24	
HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	I	19	-1.22	
NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	I	19	-0.73	
FBN2	fibrillin 2	E	19	-7.59	
SERPINE2	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	E	19	-2.03	
FBN1	fibrillin 1	E	19	0.89	
C1QBP	complement component 1, q subcomponent binding protein	E	19	-1.84	
ANXA8L2	annexin A8-like 2	E	19	-8.31	
FTCD	formiminotransferase cyclodeaminase	I	19		
LAMB2	laminin, beta 2 (laminin S)	E	19	-2.64	
NTM	neurotrimin	M	19		
PTPRD	protein tyrosine phosphatase, receptor type, D	M	19	-3.57	
EPHB3	EPH receptor B3	M	19	-7.03	
MMP15	matrix metalloproteinase 15 (membrane-inserted)	M	19	0.82	specific
ROR2	receptor tyrosine kinase-like orphan receptor 2	M	19		
ADIPOQ	adiponectin, C1Q and collagen domain containing	E	18	-0.43	
LTBP1	latent transforming growth factor beta binding protein 1	E	18	-0.44	
NAMPT	nicotinamide phosphoribosyltransferase	I	18	-0.26	
CTSD	cathepsin D	E	18	-6.74	
AQPEP	laeverin	M	18		
CLMP	CXADR-like membrane protein	M	18	-3.57	
FGL2	fibrinogen-like 2	E	18	-1.71	

HSD17B2	hydroxysteroid (17-beta) dehydrogenase 2	M	18	8.2	specific
MFAP5	microfibrillar associated protein 5	E	18	-1.15	
POFUT2	protein O-fucosyltransferase 2	I	18	3.29	specific
AMBP	alpha-1-microglobulin/bikunin precursor	E	18	-8.79	
ACACA	acetyl-CoA carboxylase alpha	I	18	-1.54	
ACTN4	actinin, alpha 4	E	18	-4.55	
DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	I	18	0.13	
ELN	elastin	E	18	-4.54	
ADK	adenosine kinase	I	18	2.47	
ITIH3	inter-alpha-trypsin inhibitor heavy chain 3	E	18	-7.03	
NEO1	neogenin 1	M	18	-8	
ROR1	receptor tyrosine kinase-like orphan receptor 1	M	18	-2.64	
PRDX1	peroxiredoxin 1	I	18	-0.3	
ATP5B	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide	I	18	-1.62	
HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1	I	18	-0.03	
AGRN	agrin	E	18	-5.1	
ANXA5	annexin A5	I	18	2.08	
HSPE1	heat shock 10kDa protein 1 (chaperonin 10)	I	18	4.18	
PLA2R1	phospholipase A2 receptor 1, 180kDa	M	18	1.75	specific
TGM4	transglutaminase 4 (prostate)	I	18		
LRP1	low density lipoprotein receptor-related protein 1	M	18	-8	
TNXB	tenascin XB	E	18		
CNTN1	contactin 1	M	18	-7.03	
EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	I	17	-1.28	
F2	coagulation factor II (thrombin)	E	17	-8.57	
EFEMP1	EGF containing fibulin-like extracellular matrix protein 1	E	17	4.46	
EEF1A1	eukaryotic translation elongation factor 1 alpha 1	I	17	-1.05	
LAMP1	lysosomal-associated membrane protein 1	M	17	-1.7	
YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	I	17	-0.06	
S100A11	S100 calcium binding protein A11	I	17	1.47	
LAMA3	laminin, alpha 3	E	17	-2.64	
AMDHD1	amidohydrolase domain containing 1	I	17		
CPZ	carboxypeptidase Z	E	17	-8.57	
DCHS1	dachsous 1 (Drosophila)	M	17	0.82	specific
ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	E	17		
FAM82B	family with sequence similarity 82, member B	I	17	-0.98	
MXRA5	matrix-remodelling associated 5	E	17	-7.03	
PLXNA4	plexin A4	M	17	4.15	specific
SERPIND1	serpin peptidase inhibitor, clade D (heparin cofactor), member 1	E	17	-3.2	

PON2	paraoxonase 2	E	17	2.68	
DAG1	dystroglycan 1 (dystrophin-associated glycoprotein 1)	M	16	-2.54	
DPP4	dipeptidyl-peptidase 4	M	16	-3.21	
SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	I	16		
CBS	cystathionine-beta-synthase	I	16	-6.51	
GSTM4	glutathione S-transferase mu 4	I	16	-2.07	
MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	I	16	-7.03	
CHL1	cell adhesion molecule with homology to L1CAM (close homolog of L1)	E	16	-5.33	
F13A1	coagulation factor XIII, A1 polypeptide	E	16		
MUC5AC	mucin 5AC, oligomeric mucus/gel-forming	E	16		
NCL	nucleolin	I	16	-0.67	
KLF15	Kruppel-like factor 15	I	16	-3.57	
XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	M	16		
LDHB	lactate dehydrogenase B	I	16	-1.28	
SYK	spleen tyrosine kinase	I	16	-6.42	
MRC2	mannose receptor, C type 2	M	16	-5.69	
ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	I	16	1.14	
AHSG	alpha-2-HS-glycoprotein	E	16	-8	
CAT	catalase	I	15	-0.84	
GPLD1	glycosylphosphatidylinositol specific phospholipase D1	E	15	-1.09	
SEMA7A	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	M	15	-7.03	
SLC38A4	solute carrier family 38, member 4	M	15	-8.31	
C7	complement component 7	E	15	3.7	specific
SLC25A6	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	I	15	-4.16	
TMPRSS6	transmembrane protease, serine 6	M	15		
HSPA8	heat shock 70kDa protein 8	I	15	-0.75	
SLC9A1	solute carrier family 9 (sodium/hydrogen exchanger), member 1	M	15	-3.43	
TPM1	tropomyosin 1 (alpha)	I	15	0.85	
ATP5A1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	I	15	-0.78	
FABP1	fatty acid binding protein 1, liver	I	15	-8.57	
HSD17B1	hydroxysteroid (17-beta) dehydrogenase 11	E	15	-1.7	
LAMA1	laminin, alpha 1	E	15	-7.59	
PHB2	prohibitin 2	I	15	-4.09	
SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	I	15	-0.6	
TUBB2B	tubulin, beta 2B class IIb	I	15	-8.98	
GNB2L1	guanine nucleotide binding protein (G protein), beta	I	15	-1.69	

	polypeptide 2-like 1			
GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	I	15	-3.85
GDI2	GDP dissociation inhibitor 2	I	15	-1.3
RTN4	reticulon 4	I	15	-0.05
NQO1	NAD(P)H dehydrogenase, quinone 1	I	15	1.38
F10	coagulation factor X	E	15	-6.1
LIFR	leukemia inhibitory factor receptor alpha	M	15	1.87
TUBB4B	tubulin, beta 4B class IVb	I	15	-4.34
VCL	vinculin	I	15	1.91
APOA1	apolipoprotein A-I	E	15	-9.3
LTF	lactotransferrin	E	14	-8.57
AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	I	14	-2.76
APOA4	apolipoprotein A-IV	E	14	
COX1	cytochrome c oxidase subunit I	I	14	
DHTKD1	dehydrogenase E1 and transketolase domain containing 1	I	14	3.53
DMGDH	dimethylglycine dehydrogenase	I	14	-6.1
EMILIN3	elastin microfibril interfacier 3	E	14	2.31 specific
FAT3	FAT tumor suppressor homolog 3 (Drosophila)	M	14	-1.66
FERMT2	fermitin family member 2	I	14	0.14
FMOD	fibromodulin	E	14	-6.1
FNDC1	fibronectin type III domain containing 1	I	14	
FREM2	FRAS1 related extracellular matrix protein 2	M	14	2.72 specific
FZD1	frizzled family receptor 1	M	14	-1.09
KRT15	keratin 15	I	14	-8.79
LPHN2	latrophilin 2	M	14	1.93
MXRA8	matrix-remodelling associated 8	M	14	-6.1
PAFAH1B2	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa)	I	14	4.96
PLSCR1	phospholipid scramblase 1	I	14	-2.93
SLIT3	slit homolog 3 (Drosophila)	E	14	-6.1
VASN	vasorin	M	14	-6.1
COL3A1	collagen, type III, alpha 1	E	14	- 12.44
GSN	gelsolin	E	14	-0.17
IL1R1	interleukin 1 receptor, type I	M	14	-2.38
TLR2	toll-like receptor 2	M	14	-3.2
TSPO	translocator protein (18kDa)	I	14	-3.63
TLN1	talin 1	I	14	-5.56
IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	M	14	1.9
LASP1	LIM and SH3 protein 1	I	14	-0.27
GGT1	gamma-glutamyltransferase 1	M	14	-7.03
ADD1	adducin 1 (alpha)	I	14	-3.77
NPR3	natriuretic peptide receptor C/guanylate cyclase C	M	14	

	(atrionatriuretic peptide receptor C)			
DDX3X	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	I	14	0.47
YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	I	14	2.82
CTH	cystathionase (cystathionine gamma-lyase)	I	14	-2.64
FKBP3	FK506 binding protein 3, 25kDa	I	14	0.37
HMGCS2	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)	I	14	-9.15
PTK7	PTK7 protein tyrosine kinase 7	M	14	-1.92
HSP90AB1	heat shock protein 90kDa alpha (cytosolic), class B member 1	I	14	-1.03
EEF2	eukaryotic translation elongation factor 2	I	14	-5.53
C5	complement component 5	E	14	-3.57
ACAA1	acetyl-CoA acyltransferase 1	I	13	-4.03
BPHL	biphenyl hydrolase-like (serine hydrolase)	I	13	4.15 specific
CNN2	calponin 2	I	13	-1.5
PCDH9	protocadherin 9	M	13	-1.36
SLCO2A1	solute carrier organic anion transporter family, member 2A1	M	13	0.41
FABP2	fatty acid binding protein 2, intestinal	M	13	3.03 specific
NRCAM	neuronal cell adhesion molecule	M	13	5.73 specific
SLC16A1	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)	M	13	-0.55
PRDX3	peroxiredoxin 3	I	13	-0.82
PTGDS	prostaglandin D2 synthase 21kDa (brain)	E	13	-6.1
GFRA1	GDNF family receptor alpha 1	M	13	-0.54
PHEX	phosphate regulating endopeptidase homolog, X-linked	I	13	
SERPINH1	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	I	13	-2.02
APOB	apolipoprotein B (including Ag(x) antigen)	E	13	-8.79
SERPINA5	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	I	13	-7.59
AIFM1	apoptosis-inducing factor, mitochondrion-associated, 1	I	13	-1.54
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	I	13	-2.44
ND2	MTND2	I	13	
CFH	complement factor H	E	13	1
CST3	cystatin C	E	13	-2.9
DSG2	desmoglein 2	M	13	-3.19
FGA	fibrinogen alpha chain	E	13	- 10.49
CCT5	chaperonin containing TCP1, subunit 5 (epsilon)	I	13	-0.07
DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	I	13	-1.01
EMB	embigin	M	13	-6.1
ENPEP	glutamyl aminopeptidase (aminopeptidase A)	M	13	-7.03
FAT2	FAT tumor suppressor homolog 2 (Drosophila)	M	13	-7.59
FUS	fused in sarcoma	I	13	-3.26

LRRN4	leucine rich repeat neuronal 4	M	13	2.55	
MMRN2	multimerin 2	E	13	6.71	specific
PAPLN	papilin, proteoglycan-like sulfated glycoprotein	E	13	-0.46	
PCDH18	protocadherin 18	M	13	-8.31	
PCDHB3	protocadherin beta 3	M	13		
PPP2R2B	protein phosphatase 2, regulatory subunit B, beta	I	13	-8	
SFMBT1	Scm-like with four mbt domains 1	I	13	-6.1	
UROC1	urocanase domain containing 1	I	13		
FGG	fibrinogen gamma chain	E	12	-	10.61
YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	I	12	0.35	
LRPAP1	low density lipoprotein receptor-related protein associated protein 1	M	12	0.01	
PLOD1	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	I	12	0.67	
SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	I	12	-1.29	
ANXA6	annexin A6	I	12	-3.05	
COL6A1	collagen, type VI, alpha 1	E	12	-4.32	
PTPRF	protein tyrosine phosphatase, receptor type, F	M	12	-0.68	
SEPP1	selenoprotein P, plasma, 1	E	12	-1.45	
RPL5	ribosomal protein L5	I	12	-0.92	
CNTN2	contactin 2 (axonal)	M	12		
DDOST	dolichyl-diphosphooligosaccharide--protein glycosyltransferase	I	12	-1.32	
SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	E	12	-9.3	
HNRNPD	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)	I	12	-0.72	
CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1)	I	12	-0.89	
CNTN5	contactin 5	M	12		
LY86	lymphocyte antigen 86	E	12		
NUCB2	nucleobindin 2	E	12	2.01	
VNN2	vanin 2	M	12	-6.1	
ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	I	12	5.05	
HNRNPK	heterogeneous nuclear ribonucleoprotein K	I	12	1.91	
ATP1A1	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide	I	12	-2.27	
CBR1	carbonyl reductase 1	I	12	-4.54	
CTSZ	cathepsin Z	E	12	1.26	
FDXR	ferredoxin reductase	I	12	-3.57	
FLNB	filamin B, beta	I	12	-0.09	
LNPEP	leucyl/cystinyl aminopeptidase	E	12	-2.64	
TFRC	transferrin receptor (p90, CD71)	M	11	-4.62	
ACO1	aconitase 1, soluble	I	11	-2.93	
HNRNPH1	heterogeneous nuclear ribonucleoprotein H1 (H)	I	11	2.66	

ACOX2	acyl-CoA oxidase 2, branched chain	I	11	-1.36	
CCT2	chaperonin containing TCP1, subunit 2 (beta)	I	11	-0.37	
CFI	complement factor I	E	11	0.69	
CNNM2	cyclin M2	M	11	-8	
CNTN4	contactin 4	E	11	-1.15	
CRB2	crumbs homolog 2 (Drosophila)	M	11		
CTHRC1	collagen triple helix repeat containing 1	E	11	-0.09	
IL31RA	interleukin 31 receptor A	M	11	2.72	specific
ITGA11	integrin, alpha 11	M	11	-0.52	
MTTP	microsomal triglyceride transfer protein	I	11	-6.1	
NAALAD 2	N-acetylated alpha-linked acidic dipeptidase 2	M	11	1.75	specific
NPNT	nephronectin	E	11		
PTGFRN	prostaglandin F2 receptor negative regulator	M	11	1.62	
SLITRK6	SLIT and NTRK-like family, member 6	M	11	-7.03	
SMC1B	structural maintenance of chromosomes 1B	I	11		
THBS3	thrombospondin 3	E	11	-3.62	
TUBA3D	tubulin, alpha 3d	I	11	-2.64	
LAMA2	laminin, alpha 2	E	11		
AQP3	aquaporin 3 (Gill blood group)	I	11	-2.64	
CAMP	cathelicidin antimicrobial peptide	E	11		
CAPZB	capping protein (actin filament) muscle Z-line, beta	I	11	-3.55	
FBLN2	fibulin 2	E	11		
FLNA	filamin A, alpha	E	11	-6.5	
ACTN1	actinin, alpha 1	I	11	-1	
APOH	apolipoprotein H (beta-2-glycoprotein I)	E	11	-9.43	
CLIC2	chloride intracellular channel 2	I	11	-0.87	
NID2	nidogen 2 (osteonidogen)	E	11	-0.03	
P2RX1	purinergic receptor P2X, ligand-gated ion channel, 1	M	11	0.24	
PHGDH	phosphoglycerate dehydrogenase	I	11	-4.72	
TRAM1	translocation associated membrane protein 1	I	11	-0.05	
UQCRCF51	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	I	11	-1.33	
DSC2	desmocollin 2	M	10	-9.88	
GABPA	GA binding protein transcription factor, alpha subunit 60kDa	I	10	0.05	
PGK1	phosphoglycerate kinase 1	I	10	-0.69	
YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	I	10	-1.91	
IL1RAP	interleukin 1 receptor accessory protein	M	10	2.72	specific
PLXNA2	plexin A2	M	10	3.25	
PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C)	M	10	-8.31	
RPL26	ribosomal protein L26	I	10	0.12	
WDR1	WD repeat domain 1	E	10	-0.81	
SGCD	sarcoglycan, delta (35kDa dystrophin-associated	I	10		

	glycoprotein)				
IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2	I	10	-3.89	
ALB	albumin	E	10	-	12.87
ACP1	acid phosphatase 1, soluble	I	10	1.88	
GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	I	10	-4.16	
TGFB1	transforming growth factor, beta-induced, 68kDa	M	10	-4.58	
ACADL	acyl-CoA dehydrogenase, long chain	I	10	-0.43	
AMIGO2	adhesion molecule with Ig-like domain 2	M	10	-8.98	
COX4I1	cytochrome c oxidase subunit IV isoform 1	I	10	0.26	
CPNE1	copine I	I	10	-0.61	
ELTD1	EGF, latrophilin and seven transmembrane domain containing 1	M	10	7.99	specific
GALM	galactose mutarotase (aldose 1-epimerase)	I	10	-1.65	
HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B	I	10	-2.03	
LAMB3	laminin, beta 3	E	10	-7.03	
LCAT	lecithin-cholesterol acyltransferase	M	10	1.75	specific
LOC100293534	complement C4-B-like	E	10		
MATN2	matrilin 2	E	10	-7.59	
ODZ3	odz, odd Oz/ten-m homolog 3 (Drosophila)	M	10	0.82	specific
PDIA6	protein disulfide isomerase family A, member 6	I	10	0.52	
SLC44A1	solute carrier family 44, member 1	I	10	2.65	
CPT1A	carnitine palmitoyltransferase 1A (liver)	I	10	2.55	
NID1	nidogen 1	E	10	1.96	
PKP1	plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	I	10	-8	
RPS2	ribosomal protein S2	I	10	-3.54	
SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	M	10	-0.44	
AHCY	adenosylhomocysteinase	I	10	-3.29	
CES1	carboxylesterase 1	I	10	-8.57	
DYNLL1	dynein, light chain, LC8-type 1	I	10	0.75	
SERPINC1	serpin peptidase inhibitor, clade C (antithrombin), member 1	E	10	-9.3	
LMAN1	lectin, mannose-binding, 1	M	10	-0.74	
DSP	desmoplakin	I	10	-5.04	
C3	complement component 3	E	10	-	11.96
CCT4	chaperonin containing TCP1, subunit 4 (delta)	I	10	-1.52	
CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	M	10		
LRPPRC	leucine-rich PPR-motif containing	I	10	0.11	
SPON1	spondin 1, extracellular matrix protein	E	10	-7.03	
HIST1H4A	histone cluster 1, H4a	I	9		

COL2A1	collagen, type II, alpha 1	E	9	-6.1	
ATP2B2	ATPase, Ca++ transporting, plasma membrane 2	I	9	-6.1	
COL6A2	collagen, type VI, alpha 2	E	9	-	
				10.49	
TKT	transketolase	I	9	-2.47	
ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	E	9	-2.33	
RPS3A	ribosomal protein S3A	I	9	-2.29	
HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	I	9	0.82	
COL5A1	collagen, type V, alpha 1	E	9	-9.43	
A2M	alpha-2-macroglobulin	E	9	3.8	
ACER3	alkaline ceramidase 3	I	9	-2.64	
ACLY	ATP citrate lyase	I	9	1.79	
ALAD	aminolevulinate dehydratase	I	9	-1.66	
BMP1	bone morphogenetic protein 1	E	9	-5.33	
ECI2	enoyl-CoA delta isomerase 2	I	9	0.36	
GPR125	G protein-coupled receptor 125	M	9	-3.21	
LGSN	lensin, lens protein with glutamine synthetase domain	I	9	-1.66	
MYH11	myosin, heavy chain 11, smooth muscle	I	9	3.51	specific
SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)	M	9	-4.18	
SORCS2	sortilin-related VPS10 domain containing receptor 2	M	9		
TUBA1C	tubulin, alpha 1c	I	9	-2.27	
RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	I	9	-3.82	
PPIA	peptidylprolyl isomerase A (cyclophilin A)	E	9	-0.92	
PAPPA	pregnancy-associated plasma protein A, pappalysin 1	E	9	-0.94	
HNRNPA1	heterogeneous nuclear ribonucleoprotein A1	I	9	-1.17	
P4HB	prolyl 4-hydroxylase, beta polypeptide	E	9	-3.2	
BHMT	betaine--homocysteine S-methyltransferase	I	9	-8	
PTPRS	protein tyrosine phosphatase, receptor type, S	M	9	2.31	specific
RPL14	ribosomal protein L14	I	9	-1.66	
HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	I	9	-8.31	
PSAP	prosaposin	E	9	0.88	
C1QC	complement component 1, q subcomponent, C chain	E	9		
C4BPA	complement component 4 binding protein, alpha	E	9	-3.63	
SLCO1C1	solute carrier organic anion transporter family, member 1C1	M	9		
ACTB	actin, beta	I	9	-1.5	
SFPQ	splicing factor proline/glutamine-rich	I	9	-0.63	
ESD	esterase D	I	9	-1.04	
GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	I	9	-1.06	
ITIH2	inter-alpha-trypsin inhibitor heavy chain 2	E	9	-8.98	

PFKP	phosphofructokinase, platelet	I	9	-1.7	
RPS10	ribosomal protein S10	I	9	-3.57	
EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	I	9	-9.3	
DDX39B	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	I	9	-3.08	
TCP1	t-complex 1	I	9	-0.96	
ACHE	acetylcholinesterase	E	9		
GSTZ1	glutathione transferase zeta 1	I	9	-3.21	
KRT17	keratin 17	I	8	-	12.29
RAN	RAN, member RAS oncogene family	I	8	-1.31	
RBP4	retinol binding protein 4, plasma	E	8	-8.79	
ACACB	acetyl-CoA carboxylase beta	I	8	-1.68	
ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	I	8	-0.46	
CAP1	CAP, adenylate cyclase-associated protein 1 (yeast)	M	8	-0.69	
COL6A3	collagen, type VI, alpha 3	E	8	-6.1	
DAD1	defender against cell death 1	I	8	2.64	
ETFDH	electron-transferring-flavoprotein dehydrogenase	I	8	-0.03	
LTA4H	leukotriene A4 hydrolase	I	8	1.01	
RPLP0	ribosomal protein, large, P0	I	8	-1.66	
THSD4	thrombospondin, type I, domain containing 4	E	8	0.26	
HLA-DRA	major histocompatibility complex, class II, DR alpha	M	8	-6.69	
GSTT1	glutathione S-transferase theta 1	I	8	-8	
PTBP2	polypyrimidine tract binding protein 2	I	8	3.7	
SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	E	8	-8	
PTPRC	protein tyrosine phosphatase, receptor type, C	M	8	-8.31	
CYCS	cytochrome c, somatic	I	8	-4.84	
KRT14	keratin 14	I	8	-9.88	
PTPRU	protein tyrosine phosphatase, receptor type, U	M	8	-6.1	
SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	M	8	7.04	
NAT1	N-acetyltransferase 1 (arylamine N-acetyltransferase)	I	8	3.51	specific
ACAT2	acetyl-CoA acetyltransferase 2	I	8	-0.36	
C8A	complement component 8, alpha polypeptide	E	8	-8	
RPN2	ribophorin II	I	8	1.14	
GSTA1	glutathione S-transferase alpha 1	I	8	-9.15	
RPS27A	ribosomal protein S27a	I	8	0.15	
NONO	non-POU domain containing, octamer-binding	I	8	-0.43	
VCP	valosin containing protein	I	8	-2.33	
SOD1	superoxide dismutase 1, soluble	E	8	0.1	
ACAD11	acyl-CoA dehydrogenase family, member 11	I	8	-0.69	
AMT	aminomethyltransferase	I	8	-2.64	
CCT7	chaperonin containing TCP1, subunit 7 (eta)	I	8	-3.37	
CEP290	centrosomal protein 290kDa	I	8	0.56	
GGT5	gamma-glutamyltransferase 5	M	8	-3.2	

HIBCH	3-hydroxyisobutyryl-CoA hydrolase	I	8	1.25	
HPGDS	hematopoietic prostaglandin D synthase	I	8		
HPX	hemopexin	E	8	-9.3	
LTBP2	latent transforming growth factor beta binding protein 2	E	8	-0.38	
NPEPPS	aminopeptidase puromycin sensitive	I	8	1.4	
PPIC	peptidylprolyl isomerase C (cyclophilin C)	I	8	0	
TINAG	tubulointerstitial nephritis antigen	E	8		
APP	amyloid beta (A4) precursor protein	E	8	-0.15	
CD81	CD81 molecule	M	8	-4.38	
CKB	creatine kinase, brain	I	8	-8.31	
CCT8	chaperonin containing TCP1, subunit 8 (theta)	I	8	-0.74	
COL17A1	collagen, type XVII, alpha 1	E	8	-6.1	
PRDX4	peroxiredoxin 4	E	8	-1.03	
LIPH	lipase, member H	E	7		
MYH9	myosin, heavy chain 9, non-muscle	I	7	-2.91	
PCDH11X	protocadherin 11 X-linked	M	7	0.08	
RAB27A	RAB27A, member RAS oncogene family	I	7	0.26	
TSPAN7	tetraspanin 7	M	7	0.06	
ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	I	7	-1.11	
PROS1	protein S (alpha)	E	7	5.21	specific
SULT1E1	sulfotransferase family 1E, estrogen-preferring, member 1	I	7	1.75	specific
UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1	I	7	0.42	
ACTA1	actin, alpha 1, skeletal muscle	I	7	3.29	specific
SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	I	7	-0.11	
CA2	carbonic anhydrase II	E	7	-6.53	
ARF1	ADP-ribosylation factor 1	I	7	-4.66	
BOC	Boc homolog (mouse)	M	7	0.82	specific
C8B	complement component 8, beta polypeptide	M	7	-8	
CNTN3	contactin 3 (plasmacytoma associated)	M	7		
GPD1L	glycerol-3-phosphate dehydrogenase 1-like	I	7	-2.64	
HP1BP3	heterochromatin protein 1, binding protein 3	I	7	0.8	
HSPA2	heat shock 70kDa protein 2	I	7	-3.61	
NEU2	sialidase 2 (cytosolic sialidase)	I	7		
OGN	osteoglycin	E	7		
PCDH1	protocadherin 1	M	7	1.04	
PCDHGC3	protocadherin gamma subfamily C, 3	M	7		
ROBO2	roundabout, axon guidance receptor, homolog 2 (Drosophila)	M	7		
SLC2A2	solute carrier family 2 (facilitated glucose transporter), member 2	M	7	-8.31	
ZP1	zona pellucida glycoprotein 1 (sperm receptor)	E	7		
LMNA	lamin A/C	I	7	-2.02	
ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	M	7	0.72	

MYH10	myosin, heavy chain 10, non-muscle	I	7	1.63	
PDIA3	protein disulfide isomerase family A, member 3	I	7	-0.23	
ACSL5	acyl-CoA synthetase long-chain family member 5	I	7	0.65	
ATP5J2	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit F2	I	7	2.14	
BST1	bone marrow stromal cell antigen 1	M	7	0.21	
C4B	complement component 4B (Chido blood group)	E	7	-8.79	
HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	I	7	-0.43	
PFN2	profilin 2	I	7	-3.35	
RAI1	retinoic acid induced 1	I	7	-7.03	
TPM3	tropomyosin 3	I	7	-0.67	
TUBA8	tubulin, alpha 8	I	7		
CP	ceruloplasmin (ferroxidase)	E	7	-2.81	
BCHE	butyrylcholinesterase	E	7	-3.27	
RPL6	ribosomal protein L6	I	7	-1.07	
SLC37A4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	M	7	-2.96	
CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	I	7	-8	
FAAH	fatty acid amide hydrolase	I	7		
HLA-A	major histocompatibility complex, class I, A	M	7	-2.55	
ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	I	7	-3.57	
DES	desmin	I	7	-6.1	
DOPEY2	dopey family member 2	I	7	-1.28	
GOLT1B	golgi transport 1B	I	7	-1.06	
POMGNT1	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	I	7	-5.33	
PRELP	proline/arginine-rich end leucine-rich repeat protein	E	7	-1.85	
RPL30	ribosomal protein L30	I	7	0.54	
RPS14	ribosomal protein S14	I	7	-0.79	
RTN3	reticulon 3	M	7	-1.04	
TINAGL1	tubulointerstitial nephritis antigen-like 1	E	7	1.71	
HK1	hexokinase 1	I	7	-3.69	
CHGB	chromogranin B (secretogranin 1)	I	7		
PREP	prolyl endopeptidase	I	7	-0.03	
ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	I	6	0.14	
ST3GAL4	ST3 beta-galactoside alpha-2,3-sialyltransferase 4	M	6	-6.1	
VSX1	visual system homeobox 1	I	6	1.75	specific
PPIB	peptidylprolyl isomerase B (cyclophilin B)	M	6	0.14	
ACSS1	acyl-CoA synthetase short-chain family member 1	I	6	-7.59	
ADAMTS L1	ADAMTS-like 1	E	6	-6.1	
BRP44	brain protein 44	I	6	-0.06	
CNTNAP1	contactin associated protein 1	M	6	3.03	specific
EPB41	erythrocyte membrane protein band 4.1	I	6	-1.07	

	(elliptocytosis 1, RH-linked)			
H1FO	H1 histone family, member 0	I	6	-5.04
HAPLN1	hyaluronan and proteoglycan link protein 1	E	6	-6.1
NEGR1	neuronal growth regulator 1	M	6	1.75 specific
SEMA4B	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B	M	6	-4.54
SGCG	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein)	I	6	
SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	I	6	-2.87
TUBB	tubulin, beta class I	I	6	-2.21
COL7A1	collagen, type VII, alpha 1	E	6	-8
HIST2H2 BE	histone cluster 2, H2be	I	6	-8
TUBA1A	tubulin, alpha 1a	I	6	-1.28
HIST2H2 AC	histone cluster 2, H2ac	I	6	
PABPC1	poly(A) binding protein, cytoplasmic 1	I	6	-1.33
CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1	E	6	4.27
NMT1	N-myristoyltransferase 1	I	6	-1.52
PDIA4	protein disulfide isomerase family A, member 4	I	6	-0.72
PGAM1	phosphoglycerate mutase 1 (brain)	I	6	-3.34
CR1	complement component (3b/4b) receptor 1 (Knops blood group)	M	6	-1.71
F9	coagulation factor IX	E	6	-7.03
PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	I	6	0.11
MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	I	6	-0.99
AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	M	6	-3.17
ALDH4A1	aldehyde dehydrogenase 4 family, member A1	I	6	-3.04
COL1A1	collagen, type I, alpha 1	E	6	-9.18
CRAT	carnitine O-acetyltransferase	I	6	-7.59
EIF2S3	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa	I	6	5.01
GBAS	glioblastoma amplified sequence	I	6	0.23
GC	group-specific component (vitamin D binding protein)	E	6	-3.36
GPC6	glypican 6	E	6	-8.57
NCAM2	neural cell adhesion molecule 2	M	6	-6.1
PSMD2	proteasome (prosome, macropain) 26S subunit, non- ATPase, 2	I	6	-1.25
RPL12	ribosomal protein L12	I	6	-1.58
RPS7	ribosomal protein S7	I	6	-0.36
SND1	staphylococcal nuclease and tudor domain containing 1	I	6	-1.89

LRP2	low density lipoprotein receptor-related protein 2	M	6		
LYZ	lysozyme	E	6	-0.5	
CUBN	cubilin (intrinsic factor-cobalamin receptor)	M	6	5.44	specific
GPC5	glypican 5	E	6	3.29	specific
PCCB	propionyl CoA carboxylase, beta polypeptide	I	6	-0.61	
PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	I	6	-0.25	
CFB	complement factor B	E	6	-9.78	
ALPL	alkaline phosphatase, liver/bone/kidney	E	6	-6.1	
SHMT1	serine hydroxymethyltransferase 1 (soluble)	I	6	-1.44	
COL1A2	collagen, type I, alpha 2	E	6	-8.77	
KPNB1	karyopherin (importin) beta 1	I	6	0.15	
BAAT	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	I	6	-5.33	
BCAP29	B-cell receptor-associated protein 29	M	6	0.36	
MR1	major histocompatibility complex, class I-related	E	6	1.19	
PRPS2	phosphoribosyl pyrophosphate synthetase 2	I	6	2.27	
ATP2A2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	M	5	-5.58	
CNTNAP2	contactin associated protein-like 2	I	5	0.28	
HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	I	5	-0.54	
GFPT1	glutamine--fructose-6-phosphate transaminase 1	I	5	-1.04	
HADHB	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	I	5	1.44	
HIST1H1D	histone cluster 1, H1d	I	5		
PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	I	5	-2.92	
PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	I	5	0.05	
TUBA4A	tubulin, alpha 4a	E	5	-7.37	
GLUL	glutamate-ammonia ligase	I	5	-0.66	
HNRNPM	heterogeneous nuclear ribonucleoprotein M	I	5	-1.66	
SEPT2	septin 2	I	5	0.45	
SLC4A1	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	M	5	-1.34	
INSR	insulin receptor	M	5	4.3	
ANK2	ankyrin 2, neuronal	I	5	-6.1	
FANCI	Fanconi anemia, complementation group I	I	5	1.29	
HDLBP	high density lipoprotein binding protein	I	5	-0.99	
PCBP3	poly(rC) binding protein 3	I	5		
PPM1F	protein phosphatase, Mg2+/Mn2+ dependent, 1F	I	5	0.11	
RPN1	ribophorin I	M	5	-0.01	
RPS3	ribosomal protein S3	I	5	-1.49	
TF	transferrin	E	5	-	

				11.67
HLA-DPB1	major histocompatibility complex, class II, DP beta 1	M	5	-7.93
ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	M	5	
ATP5I	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit E	I	5	2.11
FZD2	frizzled family receptor 2	M	5	-1.68
ND5	NADH dehydrogenase subunit 5	I	5	
PCCA	propionyl CoA carboxylase, alpha polypeptide	I	5	-3.61
TMCO1	transmembrane and coiled-coil domains 1	M	5	-0.24
CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	I	5	-9.67
GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	I	5	-2.1
HNRNPR	heterogeneous nuclear ribonucleoprotein R	I	5	-1.17
LMNB2	lamin B2	I	5	-3.62
ACADVL	acyl-CoA dehydrogenase, very long chain	I	5	-4.38
ANK1	ankyrin 1, erythrocytic	I	5	-8.31
ATP1B3	ATPase, Na+/K+ transporting, beta 3 polypeptide	M	5	1.26
C1R	complement component 1, r subcomponent	E	5	-5.04
COL5A2	collagen, type V, alpha 2	E	5	-1.27
MYL6	myosin, light chain 6, alkali, smooth muscle and non-muscle	I	5	1.85
OLA1	Obg-like ATPase 1	I	5	-1.69
PCDH19	protocadherin 19	M	5	
SEPT7	septin 7	I	5	-0.05
SURF4	surfeit 4	I	5	-1.87
SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	E	5	-9.43
ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	I	5	-3.35
RPS4X	ribosomal protein S4, X-linked	I	5	-0.62
ACTR2	ARP2 actin-related protein 2 homolog (yeast)	I	5	-0.36
DSG1	desmoglein 1	I	5	
NCSTN	nicastrin	I	5	-0.12
GHITM	growth hormone inducible transmembrane protein	I	5	0.9
GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	I	5	-1.27
MGST3	microsomal glutathione S-transferase 3	M	5	2.15
SMC1A	structural maintenance of chromosomes 1A	I	5	-1.01
TPI1	triosephosphate isomerase 1	I	4	0.05
FBP1	fructose-1,6-bisphosphatase 1	I	4	-7.03
GRM7	glutamate receptor, metabotropic 7	M	4	
ALDH9A1	aldehyde dehydrogenase 9 family, member A1	I	4	-2.24
COL14A1	collagen, type XIV, alpha 1	E	4	-8.98
FABP6	fatty acid binding protein 6, ileal	I	4	
GFRA2	GDNF family receptor alpha 2	M	4	

ITGA8	integrin, alpha 8	M	4	
MAGT1	magnesium transporter 1	M	4	1.38
PLXNB2	plexin B2	M	4	-6.28
SEPT8	septin 8	I	4	0.37
C1S	complement component 1, s subcomponent	E	4	-6.6
CYB5A	cytochrome b5 type A (microsomal)	I	4	-1.07
ADH1B	alcohol dehydrogenase 1B (class I), beta polypeptide	I	4	-9.56
HMBS	hydroxymethylbilane synthase	I	4	-3.62
ACP2	acid phosphatase 2, lysosomal	M	4	3.7
ATP5O	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, O subunit	I	4	0.21
CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	M	4	-1.1
CYFIP1	cytoplasmic FMR1 interacting protein 1	I	4	0.24
EEF1G	eukaryotic translation elongation factor 1 gamma	I	4	-2.67
PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	I	4	-1.09
SEC23A	Sec23 homolog A (<i>S. cerevisiae</i>)	I	4	0.73
SEC61A1	Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)	I	4	-2.64
SERPINA10	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	E	4	-1.81
CR2	complement component (3d/Epstein Barr virus) receptor 2	M	4	
ND1	NADH dehydrogenase, subunit 1 (complex I)	I	4	
SNRPD1	small nuclear ribonucleoprotein D1 polypeptide 16kDa	I	4	0.78
CLTC	clathrin, heavy chain (Hc)	I	4	0.54
C4A	complement component 4A (Rodgers blood group)	E	4	
CORO1C	coronin, actin binding protein, 1C	I	4	1.77
PGD	phosphogluconate dehydrogenase	I	4	0.66
PSMD13	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	I	4	-1.12
SCP2	sterol carrier protein 2	I	4	0.89
SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	I	4	0.69
XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	I	4	0.51
ACSL1	acyl-CoA synthetase long-chain family member 1	I	4	-2.96
RPS23	ribosomal protein S23	I	4	-0.07
SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	I	4	-0.39
TTR	transthyretin	E	4	-8
CYP4V2	cytochrome P450, family 4, subfamily V, polypeptide 2	M	4	-0.76
MGST1	microsomal glutathione S-transferase 1	I	4	-1.18
NTNG1	netrin G1	M	4	0.9
RPL8	ribosomal protein L8	I	4	-3.47
RRBP1	ribosome binding protein 1 homolog 180kDa (dog)	I	4	-6.1
SPINK5	serine peptidase inhibitor, Kazal type 5	E	4	3.03

specific

TOMM70A	translocase of outer mitochondrial membrane 70 homolog A (<i>S. cerevisiae</i>)	I	4	1.54	
UQCRC1	ubiquinol-cytochrome c reductase core protein I	I	4	-3.54	
GLUD1	glutamate dehydrogenase 1	I	4	-0.71	
ALDOA	aldolase A, fructose-bisphosphate	E	4	-4.46	
RGMA	RGM domain family, member A	I	4	-6.1	
ALDH18A1	aldehyde dehydrogenase 18 family, member A1	I	3	0.21	
DECR1	2,4-dienoyl CoA reductase 1, mitochondrial	I	3	2.22	
LGMN	legumain	I	3	0.28	
MDH1	malate dehydrogenase 1, NAD (soluble)	I	3	1.82	
PRNP	prion protein	M	3	-0.59	
PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	I	3	1.2	
SLC25A13	solute carrier family 25, member 13 (citrin)	I	3	-0.09	
SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	M	3	-7.03	
TNR	tenascin R (restrictin, janusin)	E	3		
DPYSL2	dihydropyrimidinase-like 2	I	3	5.42	
INADL	InaD-like (<i>Drosophila</i>)	I	3	0.1	
SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	M	3	-2.9	
ASPN	asporin	E	3	3.03	specific
HM13	histocompatibility (minor) 13	I	3	-2.18	
KRT13	keratin 13	I	3		
SORD	sorbitol dehydrogenase	E	3	-9.67	
TALDO1	transaldolase 1	I	3	-1.06	
SPTAN1	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	I	3	-1.97	
ACTR3	ARP3 actin-related protein 3 homolog (yeast)	I	3	0.72	
SGCE	sarcoglycan, epsilon	I	3	6.04	specific
AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	I	3	-1.81	
CYC1	cytochrome c-1	I	3	-3.48	
HADHA	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit	I	3	-1.25	
MAT1A	methionine adenosyltransferase I, alpha	I	3		
CPT2	carnitine palmitoyltransferase 2	I	3	-1.97	
GALC	galactosylceramidase	I	3	-0.8	
SULT2B1	sulfotransferase family, cytosolic, 2B, member 1	I	3	-1.71	
ALDH7A1	aldehyde dehydrogenase 7 family, member A1	I	3	0.63	
IMMT	inner membrane protein, mitochondrial	I	3	0.35	
CNTFR	ciliary neurotrophic factor receptor	M	3		
GARS	glycyl-tRNA synthetase	I	3	-2.06	
COPB2	coatamer protein complex, subunit beta 2 (beta prime)	I	3	-0.78	
DPP6	dipeptidyl-peptidase 6	M	3	-1.71	

EPB42	erythrocyte membrane protein band 4.2	I	3	
ATP6	ATP synthase F0 subunit 6	I	3	
MDH2	malate dehydrogenase 2, NAD (mitochondrial)	I	3	-3.45
ND4	NADH dehydrogenase, subunit 4 (complex I)	I	3	
PFKL	phosphofructokinase, liver	I	3	-6.68
PRPF8	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	I	3	-0.88
SLC26A2	solute carrier family 26 (sulfate transporter), member 2	M	3	-0.33
FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase)	I	3	- 10.22
ADSL	adenylosuccinate lyase	I	3	-1.48
DBT	dihydrolipoamide branched chain transacylase E2	I	3	1.19
SERBP1	SERPINE1 mRNA binding protein 1	I	3	-1.49
TUFM	Tu translation elongation factor, mitochondrial	I	3	-4.04
NEFL	neurofilament, light polypeptide	I	2	- 11.29
DPP10	dipeptidyl-peptidase 10 (non-functional)	M	2	
FECH	ferrochelatase	I	2	-0.28
RPL3	ribosomal protein L3	I	2	-1.65
CPOX	coproporphyrinogen oxidase	I	2	-1.54
USO1	USO1 vesicle docking protein homolog (yeast)	I	2	-0.07
EIF3B	eukaryotic translation initiation factor 3, subunit B	I	2	-3.64
DLD	dihydrolipoamide dehydrogenase	I	2	1.73
HNMT	histamine N-methyltransferase	I	2	-1.1
LBR	lamin B receptor	M	2	0.64
PTBP1	polypyrimidine tract binding protein 1	I	2	-3.55
KARS	lysyl-tRNA synthetase	I	2	-0.99
ACAT1	acetyl-CoA acetyltransferase 1	I	2	0.82
AGXT	alanine-glyoxylate aminotransferase	I	2	-7.03
DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	E	1	-6.1
KPNA4	karyopherin alpha 4 (importin alpha 3)	I	1	2.07
PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	I	1	2.46
FMO3	flavin containing monooxygenase 3	M	1	-7.03
IPO5	importin 5	I	1	0.21
HLA-DRB5	major histocompatibility complex, class II, DR beta 5	E	1	-7.59
HBA2	hemoglobin, alpha 2	I	1	-8.57
MYH7	myosin, heavy chain 7, cardiac muscle, beta	I	1	
AADAC	arylacetamide deacetylase (esterase)	I	0	-6.1
ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	M	0	
ACAD9	acyl-CoA dehydrogenase family, member 9	I	0	-0.68
ACO2	aconitase 2, mitochondrial	I	0	-4.48
ACOX1	acyl-CoA oxidase 1, palmitoyl	I	0	0.99
ACSF2	acyl-CoA synthetase family member 2	I	0	-6.1

ADAMTS L5	ADAMTS-like 5	E	0	1.75	specific
AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1	I	0		
AHNAK2	AHNAK nucleoprotein 2	I	0	-0.87	
ALDH3A2	aldehyde dehydrogenase 3 family, member A2	I	0	0.54	
ALDH5A1	aldehyde dehydrogenase 5 family, member A1	I	0	-0.69	
ALDH6A1	aldehyde dehydrogenase 6 family, member A1	I	0	-2.64	
ALDOB	aldolase B, fructose-bisphosphate	I	0	-9.43	
ALDOC	aldolase C, fructose-bisphosphate	I	0	-3.92	
ALG12	asparagine-linked glycosylation 12, alpha-1,6-mannosyltransferase homolog (<i>S. cerevisiae</i>)	I	0		
ARF4	ADP-ribosylation factor 4	I	0	0.04	
ART1	ADP-ribosyltransferase 1	M	0		
ATP5C1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, gamma polypeptide 1	I	0	-0.04	
ATP5F1	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit B1	I	0	0.31	
ATP5H	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit d	I	0	8.31	specific
BLVRB	biliverdin reductase B (flavin reductase (NADPH))	I	0	-2.42	
BPGM	2,3-bisphosphoglycerate mutase	I	0	-1.82	
BPIFB2	BPI fold containing family B, member 2	M	0		
BPNT1	3'(2'), 5'-bisphosphate nucleotidase 1	I	0	1.84	
BRP44L	brain protein 44-like	I	0	-3.37	
BTN2A2	butyrophilin, subfamily 2, member A2	M	0	0.11	
C2CD3	C2 calcium-dependent domain containing 3	I	0	-2.64	
C6orf191	chromosome 6 open reading frame 191	M	0		
C8orf84	chromosome 8 open reading frame 84	E	0	3.7	specific
C9orf30-TMEFF1	C9orf30-TMEFF1 readthrough	M	0		
CA13	carbonic anhydrase XIII	I	0	2.72	specific
CEP128	centrosomal protein 128kDa	I	0	2.31	specific
CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)	I	0	-1.42	
CNTNAP5	contactin associated protein-like 5	M	0		
COCH	coagulation factor C homolog, cochlin (<i>Limulus polyphemus</i>)	E	0	-7.03	
COMTD1	catechol-O-methyltransferase domain containing 1	M	0	-4.54	
COPB1	coatamer protein complex, subunit beta 1	I	0	0.5	
COPG	coatamer protein complex, subunit gamma	I	0		
CPA2	carboxypeptidase A2 (pancreatic)	E	0		
CPPED1	calcineurin-like phosphoesterase domain containing 1	I	0	1.08	
CPXM2	carboxypeptidase X (M14 family), member 2	E	0	0.82	specific
DAK	dihydroxyacetone kinase 2 homolog (<i>S. cerevisiae</i>)	I	0	-3.43	
DARS	aspartyl-tRNA synthetase	I	0	0.8	
DCBLD1	discoidin, CUB and LCCL domain containing 1	M	0	-2.08	
DHRS7	dehydrogenase/reductase (SDR family) member 7	M	0	0.26	
DOLPP1	dolichyl pyrophosphate phosphatase 1	M	0	-6.1	

DSTN	destrin (actin depolymerizing factor)	I	0	0.23	
ECI1	enoyl-CoA delta isomerase 1	I	0	-3.04	
ECM2	extracellular matrix protein 2, female organ and adipocyte specific	E	0	-7.03	
EGFLAM	EGF-like, fibronectin type III and laminin G domains	E	0	-6.1	
EHHADH	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase	I	0	-0.85	
EIF3L	eukaryotic translation initiation factor 3, subunit L	I	0	-1.34	
EIF4A2	eukaryotic translation initiation factor 4A2	I	0	-1.51	
EIF4G2	eukaryotic translation initiation factor 4 gamma, 2	I	0	0.33	
EIF5	eukaryotic translation initiation factor 5	I	0	-0.09	
EMID2	EMI domain containing 2	E	0		
ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative)	M	0		
ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	E	0	4.69	specific
ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2	M	0		
ENTPD8	ectonucleoside triphosphate diphosphohydrolase 8	M	0		
ETFA	electron-transfer-flavoprotein, alpha polypeptide	I	0	-1.39	
FAM171A1	family with sequence similarity 171, member A1	M	0	1.75	
FAM20C	family with sequence similarity 20, member C	E	0	-8	
FASTKD1	FAST kinase domains 1	I	0	0.62	
FLRT2	fibronectin leucine rich transmembrane protein 2	M	0	2.47	
FLRT3	fibronectin leucine rich transmembrane protein 3	E	0	-2.64	
FRAS1	Fraser syndrome 1	M	0	-2.64	
FREM1	FRAS1 related extracellular matrix 1	E	0		
GCAT	glycine C-acetyltransferase	I	0	-4.14	
GCGR	glucagon receptor	M	0		
GRHPR	glyoxylate reductase/hydroxypyruvate reductase	I	0	-2.28	
GRID1	glutamate receptor, ionotropic, delta 1	M	0		
GRSF1	G-rich RNA sequence binding factor 1	I	0	-0.43	
HADH	hydroxyacyl-CoA dehydrogenase	I	0	-1.97	
HAPLN3	hyaluronan and proteoglycan link protein 3	E	0	-2.64	
HBE1	hemoglobin, epsilon 1	I	0		
HBZ	hemoglobin, zeta	I	0		
HEPH	hephaestin	M	0	-0.74	
HGD	homogentisate 1,2-dioxygenase	I	0	-8	
HHLA2	HERV-H LTR-associating 2	M	0		
HIST2H3D	histone cluster 2, H3d	I	0		
HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)	I	0	1.23	
HNRNPA1L2	heterogeneous nuclear ribonucleoprotein A1-like 2	I	0	-0.02	
HNRNPU L2	heterogeneous nuclear ribonucleoprotein U-like 2	I	0	-2.93	
HPD	4-hydroxyphenylpyruvate dioxygenase	I	0	-9.15	
HSDL2	hydroxysteroid dehydrogenase like 2	I	0	1.05	

IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	I	0	0.21	
IFT81	intraflagellar transport 81 homolog (Chlamydomonas)	I	0	1.23	
IGSF3	immunoglobulin superfamily, member 3	M	0	-5.52	
IRG1	immunoresponsive 1 homolog (mouse)	I	0		
ISLR	immunoglobulin superfamily containing leucine-rich repeat	E	0	-6.1	
ITFG3	integrin alpha FG-GAP repeat containing 3	M	0	-5.11	
KDEL2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	I	0	0.08	
KIAA1731	KIAA1731	I	0	-1.33	
KRT12	keratin 12	I	0		
KRT75	keratin 75	I	0		
LAP3	leucine aminopeptidase 3	I	0	1.92	
LCN15	lipocalin 15	E	0		
LINGO1	leucine rich repeat and Ig domain containing 1	M	0		
LMF2	lipase maturation factor 2	M	0	-2.08	
LOC100652938	macrophage mannose receptor 1-like	M	0	7.72	specific
LONP2	lon peptidase 2, peroxisomal	I	0	-2.9	
LPHN3	latrophilin 3	M	0		
LRRC17	leucine rich repeat containing 17	E	0	-6.1	
LRRC4C	leucine rich repeat containing 4C	M	0		
LYG2	lysozyme G-like 2	E	0	0.82	specific
MAMDC2	MAM domain containing 2	E	0	3.03	specific
MAMDC4	MAM domain containing 4	M	0	-6.1	
MCCC1	methylcrotonoyl-CoA carboxylase 1 (alpha)	I	0	0.41	
MEGF6	multiple EGF-like-domains 6	M	0	-1.91	
METRNL	meteorin, glial cell differentiation regulator-like	E	0	-8.31	
MIPEP	mitochondrial intermediate peptidase	I	0	-7.59	
MOGAT1	monoacylglycerol O-acyltransferase 1	I	0		
MOXD1	monooxygenase, DBH-like 1	I	0		
NADKD1	NAD kinase domain containing 1	I	0	1.15	
NAP1L1	nucleosome assembly protein 1-like 1	I	0	-0.15	
NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	I	0	1.48	
NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	I	0	-7.09	
NFASC	neurofascin	M	0		
NIPSNAP3A	nipsnap homolog 3A (C. elegans)	I	0	1.77	
NLGN3	neuroligin 3	M	0	-2.64	
NME4	non-metastatic cells 4, protein expressed in	I	0	-3.36	
NNT	nicotinamide nucleotide transhydrogenase	I	0	-1.8	
NRXN1	neurexin 1	M	0	-6.1	
NUDT16L1	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	I	0	-2.64	

NUDT5	nudix (nucleoside diphosphate linked moiety X)-type motif 5	I	0	1.14	
OAS3	2'-5'-oligoadenylate synthetase 3, 100kDa	I	0	-0.17	
OCIAD1	OCIA domain containing 1	I	0	0.53	
ODZ4	odz, odd Oz/ten-m homolog 4 (Drosophila)	M	0		
OIT3	oncoprotein induced transcript 3	I	0		
OLFM3	olfactomedin 3	E	0		
OLFML3	olfactomedin-like 3	E	0	-3.92	
ORM2	orosomucoid 2	E	0		
OSTC	oligosaccharyltransferase complex subunit	M	0	-0.83	
OVOS2	ovostatin 2	E	0	-2.64	
OXCT1	3-oxoacid CoA transferase 1	I	0	-0.46	
OXSRI	oxidative-stress responsive 1	I	0	-1.3	
PAH	phenylalanine hydroxylase	I	0	-9.15	
PAICS	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	I	0	0.23	
PC	pyruvate carboxylase	I	0	-6.1	
PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	I	0	-3.94	
PGLS	6-phosphogluconolactonase	I	0	-3.57	
PGM1	phosphoglucomutase 1	I	0	-4.3	
PKM2	pyruvate kinase, muscle	I	0	-3.83	
PPP2R2D	protein phosphatase 2, regulatory subunit B, delta	I	0	-8.31	
PRSS35	protease, serine, 35	E	0		
PSAT1	phosphoserine aminotransferase 1	I	0	-3.02	
PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	I	0	-0.58	
PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	I	0	0.69	
PYGL	phosphorylase, glycogen, liver	I	0	-0.23	
RAB10	RAB10, member RAS oncogene family	I	0	-2.73	
RAB3GAP1	RAB3 GTPase activating protein subunit 1 (catalytic)	I	0	-0.11	
RAB8B	RAB8B, member RAS oncogene family	I	0	1.26	
RHAG	Rh-associated glycoprotein	M	0	-5.98	
RIMS2	regulating synaptic membrane exocytosis 2	M	0		
RPL15	ribosomal protein L15	I	0	-0.78	
RPL7	ribosomal protein L7	I	0	1.52	
SCCPDH	saccharopine dehydrogenase (putative)	I	0	-1.46	
SDK1	sidekick homolog 1, cell adhesion molecule (chicken)	M	0	1.75	specific
SDK2	sidekick homolog 2 (chicken)	M	0	0.82	specific
SEC24A	SEC24 family, member A (S. cerevisiae)	I	0	0.1	
SEMA4G	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	M	0	-4.14	
SF3B3	splicing factor 3b, subunit 3, 130kDa	I	0	0.22	
SFXN1	sideroflexin 1	I	0	1.18	

SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	I	0	-6.1	
SLC16A2	solute carrier family 16, member 2 (monocarboxylic acid transporter 8)	M	0	-1.44	
SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	I	0	-9.97	
SLC25A10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	I	0	-8	
SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22	I	0	1.75	specific
SLC25A43	solute carrier family 25, member 43	I	0	4.94	specific
SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	I	0	-1.65	
SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10	M	0		
SLC5A9	solute carrier family 5 (sodium/glucose cotransporter), member 9	M	0		
SPTB	spectrin, beta, erythrocytic	I	0	-7.03	
SSR3	signal sequence receptor, gamma (translocon-associated protein gamma)	I	0	2.12	
STOM	stomatin	M	0	1.66	
STT3A	STT3, subunit of the oligosaccharyltransferase complex, homolog A (<i>S. cerevisiae</i>)	M	0	3.5	
SUCLG1	succinate-CoA ligase, alpha subunit	I	0	-0.73	
SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	I	0	-0.4	
SULT1C4	sulfotransferase family, cytosolic, 1C, member 4	I	0	3.03	specific
SULT6B1	sulfotransferase family, cytosolic, 6B, member 1	I	0		
SUSD2	sushi domain containing 2	M	0	-6.1	
TLCD2	TLC domain containing 2	M	0	0.3	
TLK1	tousled-like kinase 1	I	0	5.11	
TMEM119	transmembrane protein 119	M	0	3.51	specific
TMEM14C	transmembrane protein 14C	I	0	-0.41	
TMEM167A	transmembrane protein 167A	M	0	-1.38	
TMEM2	transmembrane protein 2	M	0	0.24	
TMEM33	transmembrane protein 33	M	0	2.49	
TSEN54	tRNA splicing endonuclease 54 homolog (<i>S. cerevisiae</i>)	I	0	-7.03	
TTC39C	tetratricopeptide repeat domain 39C	I	0	0.28	
UPK3B	uroplakin 3B	M	0		
UQCRC2	ubiquinol-cytochrome c reductase core protein II	I	0	-0.92	
VDAC2	voltage-dependent anion channel 2	I	0	-1.56	
VKORC1L1	vitamin K epoxide reductase complex, subunit 1-like 1	M	0		
VMO1	vitelline membrane outer layer 1 homolog (chicken)	E	0		
VNN1	vanin 1	M	0	-4.14	

VSIG4	V-set and immunoglobulin domain containing 4	M	0	-7.03	
VWA2	von Willebrand factor A domain containing 2	E	0	0.82	specific
YEATS2	YEATS domain containing 2	I	0	-2.64	
ZP3	zona pellucida glycoprotein 3 (sperm receptor)	E	0	0.82	specific

Appendix table 2.12.1; This shows the whole set of human orthologs sorted by AngioScore.