

**Tabelle 3: Gentabelle 9 versus 9**

Transcript_ID	gene_id	gene_symbol	gene_description	FC ret/norm
12748384	785809	LOC785809	similar to CG12393 CG12393-PA	3,80
12851009	533374	GGCT	gamma-glutamyl cyclotransferase	3,27
12766839	100336469	LOC100336469	secreted and transmembrane protein 1A-like	3,26
12713920	353354	DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta	3,19
12807029	782166	KCNK5	potassium channel, subfamily K, member 5	3,09
12795404	512583	CCBP2	chemokine binding protein 2	3,04
12773293	781942	SECTM1	secreted and transmembrane 1	2,99
12792372	512648	ELL3	elongation factor RNA polymerase II-like 3	2,97
12879457	520348	3-Mar	membrane-associated ring finger (C3HC4) 3	2,96
12846771	538699	LOC538699	similar to TAF5-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 5L (PCAF-associated factor 65 beta) (PAF65-beta)	2,95
12776827	518563	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	2,84
12833967	518205	MGC157405	pregnancy-associated glycoprotein	2,83
12876092	784340	LOC784340	similar to 2,3-bisphosphoglycerate mutase	2,82
12893422	511556	SLC46A2	solute carrier family 46, member 2	2,81
12869326	786474	PNPLA3	patatin-like phospholipase domain containing 3	2,80
12866308	516864	ALDH1L2	aldehyde dehydrogenase 1 family, member L2	2,78
12692539	785763	LOC785763	similar to 2,3-bisphosphoglycerate mutase	2,78
12692805	100125937	SNX22	sorting nexin 22	2,77
12709107	407154	GJB2	gap junction protein, beta 2, 26kDa	2,77
12874454	520101	RASSF6	Ras association (RalGDS/AF-6) domain family member 6	2,74
12901076	537433	SOBP	sine oculis binding protein homolog (Drosophila)	2,74
12861727	539337	WNT10B	wingless-type MMTV integration site family, member 10B	2,73
12720619	538465	TRIB3	tribbles homolog 3 (Drosophila)	2,72
12808352	537150	SLC14A2	solute carrier family 14 (urea transporter), member 2	2,72
12871689	534164	SLIT2	slit homolog 2 (Drosophila)	2,71
12832798	337901	PAG7	pregnancy-associated glycoprotein 7	2,71
12791724	282151	BCL2A1	BCL2-related protein A1	2,71
12759325	616720	LOC616720	similar to mCG67989	2,70
12824957	506406	GSR	glutathione reductase	2,67
12735060	505916	SRM	spermidine synthase	2,67
12796976	616071	LOC616071	similar to gamma-aminobutyric acid (GABA-A) transporter 4	2,67
12828049	513137	TMEM72	transmembrane protein 72	2,65
12832863	337911	PAG18	pregnancy-associated glycoprotein 18	2,63
12742795	516058	HPD	4-hydroxyphenylpyruvate dioxygenase	2,63
12705913	516021	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	2,62
12888147	781423	ZNF474	zinc finger protein 474	2,62
12754748	787892	PLEKHG4	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	2,61
12747893	540830	HHIP	hedgehog interacting protein	2,59
12832873	337912	PAG17	pregnancy-associated glycoprotein 17	2,57
12707025	534311	TOR2A	torsin family 2, member A	2,57
12700860	525256	PREB	prolactin regulatory element binding	2,55
12832775	337899	PAG5	pregnancy-associated glycoprotein 5	2,54
12804490	281430	PRP3	prolactin-related protein 3	2,54
12757474	518157	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1	2,53
12740069	530613	AADACL3	arylacetamide deacetylase-like 3	2,52
12814185	617802	SCNN1G	sodium channel, nonvoltage-gated 1, gamma	2,49
12806949	751562	LOC751562	prolactin-related protein 11	2,48
12783275	535750	ALS2	amyotrophic lateral sclerosis 2 (juvenile)	2,48

12864073	281952	SLC6A15	solute carrier family 6 (neutral amino acid transporter), member 15	2,48
12807051	782894	LOC782894	similar to thrombin inhibitor	2,48
12756208	504861	LOC504861	similar to cationic amino acid transporter 5	2,47
12843671	507323	RIMKLA	ribosomal modification protein rimK-like family member A	2,46
12875937	618404	LOC618404	similar to dynamin binding protein	2,45
12729060	534309	C8H9orf30	chromosome 9 open reading frame 30 ortholog	2,44
12871228	519739	AGPAT9	1-acylglycerol-3-phosphate O-acyltransferase 9	2,43
12853004	281450	RELN	reelin	2,43
12907734	509206	STS	steroid sulfatase (microsomal), isozyme S	2,41
12763791	524639	PHOSPHO1	phosphatase, orphan 1	2,40
12682289	613977	LOC613977	similar to TPA-induced transmembrane protein	2,40
12865696	513301	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	2,40
12846824	538883	DEM1	defects in morphology 1 homolog ( <i>S. cerevisiae</i> )	2,39
12798275	504226	URGCP	upregulator of cell proliferation	2,39
12832843	337909	PAG15	pregnancy-associated glycoprotein 15	2,39
12832903	337915	PAG21	pregnancy-associated glycoprotein 21	2,38
12899189	100298760	LOC100298760	similar to discoidin, CUB and LCCL domain containing 2	2,36
12751808	515476	ORC6L	origin recognition complex, subunit 6 like (yeast)	2,36
12829673	445416	FZD4	frizzled homolog 4 ( <i>Drosophila</i> )	2,34
12760443	100300442	LOC100300442	similar to secreted and transmembrane 1	2,34
12873497	504350	ENPEP	glutamyl aminopeptidase (aminopeptidase A)	2,33
12762540	509931	FAM117A	family with sequence similarity 117, member A	2,33
12894398	529443	MFAP3L	microfibrillar-associated protein 3-like	2,33
12791280	767818	PRC1	protein regulator of cytokinesis 1	2,32
12778478	538799	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	2,32
12802416	524513	SERPINB9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	2,32
12808543	539795	ABHD3	abhydrolase domain containing 3	2,31
12830008	507693	INCENP	inner centromere protein antigens 135/155kDa	2,31
12804243	100298767	LOC100298767	similar to prolactin	2,31
12893924	515749	CTNNAL1	catenin (cadherin-associated protein), alpha-like 1	2,29
12832787	337900	PAG6	pregnancy-associated glycoprotein 6	2,28
12869954	281681	CENPE	centromere protein E, 312kDa	2,26
12841743	784894	TGFBR3	transforming growth factor, beta receptor III	2,25
12853428	505060	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	2,23
12714979	513420	BTBD3	BTB (POZ) domain containing 3	2,23
12835200	784756	LOC784756	similar to PAG17 protein	2,23
12859556	514618	RACGAP1	Rac GTPase activating protein 1	2,23
12695025	516557	SAV1	salvador homolog 1 ( <i>Drosophila</i> )	2,23
12691574	540939	THSD4	thrombospondin, type I, domain containing 4	2,23
12691139	539224	PAK6	p21 protein (Cdc42/Rac)-activated kinase 6	2,23
12744008	538759	GPR81	G protein-coupled receptor 81	2,22
12727230	507975	FIBIN	fin bud initiation factor homolog (zebrafish)	2,21
12781790	517552	GAD1	glutamate decarboxylase 1 (brain, 67kDa)	2,21
12714668	510420	MYBL2	v-myb myeloblastosis viral oncogene homolog (avian)-like 2	2,21
12740723	539953	LOC539953	similar to Denticless protein homolog (Lethal(2) denticless protein homolog) (Ddb1- and Cul4-associated factor 2) (Retinoic acid-regulated nuclear matrix-associated protein)	2,19
12791484	100140180	LOC100140180	hypothetical protein LOC100140180	2,19
12825041	509338	DKK4	dickkopf homolog 4 ( <i>Xenopus laevis</i> )	2,17
12753384	539353	HEATR3	HEAT repeat containing 3	2,16

12809659	514078	LOC514078	similar to Myosin-Vb	2,16
12801585	509620	FTSJD2	FtsJ methyltransferase domain containing 2	2,15
12726914	404129	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	2,15
12730190	782358	LOC782358	similar to Protein FAM55A	2,15
12746135	508790	TMEM120B	transmembrane protein 120B	2,15
12766193	788992	FMNL1	formin-like 1	2,15
12847611	616665	FNBP1L	formin binding protein 1-like	2,15
12716096	530173	OTUD1	OTU domain containing 1	2,15
12785235	506404	CENPK	centromere protein K	2,14
12896388	100336768	LOC100336768	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)-like	2,14
12896970	508105	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	2,14
12834190	523885	TMEM135	transmembrane protein 135	2,13
12694567	511375	SFXN1	sideroflexin 1	2,13
12895327	615498	AQP7	aquaporin 7	2,13
12769835	512313	ATP2A3	ATPase, Ca++ transporting, ubiquitous	2,12
12819138	504632	CNNM2	cyclin M2	2,12
12688316	414732	GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	2,12
12874611	527169	GRSF1	G-rich RNA sequence binding factor 1	2,12
12813150	524593	LOC524593	similar to opposite strand transcription unit to Stag3	2,10
12888738	100139803	TMEFF1	transmembrane protein with EGF-like and two follistatin-like domains 1	2,10
12833412	510038	AQP11	aquaporin 11	2,10
12784956	100301247	LOC100301247	similar to cyclin A1	2,10
12716151	532407	SLC4A11	solute carrier family 4, sodium borate transporter, member 11	2,09
12879363	518833	CYFIP2	cytoplasmic FMR1 interacting protein 2	2,09
12767740	360192	AURKB	aurora kinase B	2,09
12874156	513362	NPNT	nephronectin	2,09
12865396	510781	JOSD1	Josephin domain containing 1	2,08
12711148	281750	EDNRB	endothelin receptor type B	2,07
12742595	513234	OSAP	ovary-specific acidic protein	2,07
12889361	505572	DOCK5	dedicator of cytokinesis 5	2,06
12791099	614354	LASS3	LAG1 homolog, ceramide synthase 3	2,06
12832740	337896	PAG3	pregnancy-associated glycoprotein 3	2,06
12707387	538967	CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3	2,05
12894406	530624	ADAMTSL1	ADAMTS-like 1	2,05
12811594	404153	CLDN3	claudin 3	2,05
12883870	505310	SLC5A5	solute carrier family 5 (sodium iodide symporter), member 5	2,04
12824282	532571	WWC2	WW and C2 domain containing 2	2,04
12850069	512293	LOC512293	similar to Cyclin B1	2,04
12689173	513300	LOC513300	similar to SUMO/sentrin specific peptidase family member 8	2,04
12694899	515330	MYO9A	myosin IXA	2,04
12784724	788312	LOC788312	similar to Formin-like protein 2 (Formin homology 2 domain-containing protein 2)	2,03
12905677	614768	LOC614768	similar to premature ovarian failure 1B (predicted)	2,03
12703774	280715	AK1	adenylate kinase 1	2,03
12876009	781671	LOC781671	similar to KIAA0063 gene product	2,03
12765776	751574	LOC751574	secreted and transmembrane protein 1B	2,02
12796483	535858	VIPR1	vasoactive intestinal peptide receptor 1	2,01
12812158	510243	HMOX2	heme oxygenase (decycling) 2	2,01
12873186	281230	HPSE	heparanase	2,01
12833133	506260	LOC506260	similar to Rho GTPase-activating protein	2,00
12841016	541222	GLIS1	GLIS family zinc finger 1	2,00
12907975	511661	SLC6A14	solute carrier family 6 (amino acid transporter), member 14	1,99

12718754	507969	SLCO4A1	solute carrier organic anion transporter family, member 4A1	1,99
12789116	282870	CYP1A1	cytochrome P450, subfamily I (aromatic compound-inducible), polypeptide 1	1,99
12764375	532807	LOC532807	similar to RUN and FYVE domain containing 3	1,99
12690214	529131	DAPK2	death-associated protein kinase 2	1,99
12813534	533355	SCNN1B	sodium channel, nonvoltage-gated 1, beta	1,99
12687041	617307	SLC19A1	solute carrier family 19 (folate transporter), member 1	1,98
12721928	504480	SGK3	similar to Serine/threonine-protein kinase Sgk3 (Serum/glucocorticoid-regulated kinase 3) (Serum/glucocorticoid-regulated kinase-like)	1,98
12893857	515287	CDCA2	cell division cycle associated 2	1,97
12845651	527708	LRRC8C	leucine rich repeat containing 8 family, member C	1,97
12788328	614612	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	1,97
12885827	523046	FAT2	FAT tumor suppressor homolog 2 (Drosophila)	1,97
12874291	516104	CXCL11	chemokine (C-X-C motif) ligand 11	1,96
12778074	535605	TUBA1D	tubulin, alpha 3d	1,96
12704183	404124	ST6GALNAC2	ST6 (alpha-N-acetyl-neuraminy1-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 2	1,96
12855131	535171	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	1,96
12768879	508490	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	1,96
12804755	497206	PRP-VII	prolactin-related protein VII	1,96
12732676	532719	GDPD5	glycerophosphodiester phosphodiesterase domain containing 5	1,95
12832893	337914	PAG20	pregnancy-associated glycoprotein 20	1,95
12723771	783254	SAMD12	sterile alpha motif domain containing 12	1,95
12768579	507710	TMEM92	transmembrane protein 92	1,95
12854099	514209	ASNS	asparagine synthetase	1,95
12895494	617620	CORO2A	coronin, actin binding protein, 2A	1,95
12832853	337910	PAG16	pregnancy-associated glycoprotein 16	1,95
12864766	506480	KRT18	keratin 18	1,94
12863567	100297468	LOC100297468	similar to CD24 antigen	1,94
12774276	100337041	LOC100337041	sphingosine-1-phosphate phosphatase 2-like	1,94
12802230	517481	LOC517481	similar to Histone H4 replacement CG3379-PC	1,94
12832674	281964	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	1,94
12824241	530874	CLN8	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)	1,93
12840786	539979	TESK2	testis-specific kinase 2	1,93
12861552	538476	LOC538476	similar to Protein FAM83F	1,93
12731246	505537	RRM1	ribonucleotide reductase M1	1,93
12805993	527645	LOC527645	similar to Histone H4 replacement CG3379-PC	1,93
12903280	504822	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	1,92
12729690	540848	B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase)	1,92
12867807	539381	CSRP2	cysteine and glycine-rich protein 2	1,92
12680013	512028	LIPH	lipase, member H	1,92
12898308	535263	SCML4	sex comb on midleg-like 4 (Drosophila)	1,91
12826384	522371	TSPAN15	tetraspanin 15	1,91
12844219	511264	SKP1	S-phase kinase-associated protein 1	1,91
12730813	281719	CRYAB	crystallin, alpha B	1,91
12848259	787258	FOXE3	forkhead box E3	1,91
12894264	525698	C8H4orf27	chromosome 4 open reading frame 27 ortholog	1,91

12727180	507159	BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1	1,90
12689577	516537	LOC516537	similar to peroxisomal long-chain acyl-coA thioesterase	1,90
12872263	541299	STIM2	stromal interaction molecule 2	1,90
12838856	520518	LOC520518	similar to Hcp beta-lactamase-like protein C1orf163	1,90
12787030	327679	CCNB1	cyclin B1	1,89
12844589	513428	PPIH	peptidylprolyl isomerase H (cyclophilin H)	1,89
12727556	511885	PLEKHB1	pleckstrin homology domain containing, family B (evectins) member 1	1,89
12744415	614726	SH2B3	SH2B adaptor protein 3	1,89
12768988	508942	LIMD2	LIM domain containing 2	1,89
12845080	517584	LRRC8B	leucine rich repeat containing 8 family, member B	1,89
12851025	533785	BPGM	2,3-bisphosphoglycerate mutase	1,89
12829162	100297610	LOC100297610	similar to CG10465	1,89
12869630	100313258	MIR218-1	microRNA mir-218-1	1,89
12754440	782309	PLEKHF1	pleckstrin homology domain containing, family F (with FYVE domain) member 1	1,89
12900926	534254	FAM54A	DUF729 domain containing 1	1,89
12739399	513095	ENAH	enabled homolog (Drosophila)	1,88
12773167	619066	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	1,88
12701303	534119	DTNB	dystrobrevin, beta	1,88
12825466	538708	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	1,88
12721343	787809	LOC787809	similar to zinc finger protein 64	1,88
12762867	511690	ST6GALNAC2	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	1,88
12693726	404167	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	1,88
12872715	782858	LOC782858	similar to ring finger protein 126	1,88
12871032	514798	RUFY3	RUN and FYVE domain containing 3	1,88
12826200	513640	LOC513640	similar to CXXC-type zinc finger protein 6 (Leukemia-associated protein with a CXXC domain)	1,87
12692561	786492	LGALS3	lectin, galactoside-binding, soluble, 3	1,86
12792414	513372	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	1,86
12822410	521231	PKD2L1	polycystic kidney disease 2-like 1	1,86
12705249	510955	C11H2orf50	chromosome 2 open reading frame 50 ortholog	1,86
12830997	520599	TBC1D10C	TBC1 domain family, member 10C	1,86
12691859	614323	CA12	carbonic anhydrase XII	1,86
12859437	513922	GTPBP1	GTP binding protein 1	1,86
12829936	506687	SLC37A2	solute carrier family 37 (glycerol-3-phosphate transporter), member 2	1,86
12843976	509609	CD101	CD101 molecule	1,85
12854718	523798	PON1	paraoxonase 1	1,85
12847154	541073	MAEL	maelstrom homolog (Drosophila)	1,84
12827101	615066	ANAPC11	similar to anaphase promoting complex subunit 11 homolog	1,84
12892785	282353	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	1,84
12754885	789894	LOC789894	similar to PAP-associated domain-containing protein 5 (Topoisomerase-related function protein 4-2) (TRF4-2)	1,84
12839991	534576	PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	1,84
12743757	534793	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	1,83
12810723	782054	LOC782054	similar to S-phase kinase-associated protein 1	1,83
12827480	100336408	LOC100336408	egl nine homolog 1-like	1,82
12793863	618633	LOC618633	similar to Myeloid-associated differentiation marker	1,82
12726088	617196	SLC26A7	solute carrier family 26, member 7	1,82

12794535	445425	TKT	transketolase	1,82
12767454	282365	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	1,81
12815840	507073	CCDC64B	coiled-coil domain containing 64B	1,81
12809449	510230	PPP4R1	protein phosphatase 4, regulatory subunit 1	1,81
12846750	538209	PTGFRN	prostaglandin F2 receptor negative regulator	1,81
12835111	618649	SHANK2	SH3 and multiple ankyrin repeat domains 2	1,81
12717920	280712	ADA	adenosine deaminase	1,80
12712068	521939	CCNA1	cyclin A1	1,80
12787593	519018	SKP2	S-phase kinase-associated protein 2 (p45)	1,80
12899815	506781	CNKSR3	CNKSR family member 3	1,80
12836457	504657	ARHGAP29	Rho GTPase activating protein 29	1,80
12835088	618360	LOC618360	similar to Nitric oxide-inducible gene protein	1,80
12724305	286813	TPPA	tocopherol (alpha) transfer protein	1,79
12837120	506991	TXNDC12	thioredoxin domain containing 12 (endoplasmic reticulum)	1,79
12872729	785528	CWH43	cell wall biogenesis 43 C-terminal homolog (S. cerevisiae)	1,78
12869693	100336936	LOC100336936	CDP-diacylglycerol synthase 1-like	1,78
12721190	782061	LOC782061	similar to AKR1C1 protein	1,78
12862008	540703	FOXJ2	forkhead box J2	1,78
12721562	100313407	MIR2489	microRNA mir-2489	1,78
12737129	540090	RNF2	ring finger protein 2	1,78
12817842	534672	LOC534672	similar to family with sequence similarity 20, member C	1,78
12820342	532236	INA	internexin neuronal intermediate filament protein, alpha	1,78
12817058	520173	TMEM120A	transmembrane protein 120A	1,78
12789584	508575	G2E3	G2/M-phase specific E3 ubiquitin ligase	1,78
12848404	100125928	HIG2	hypoxia-inducible protein 2	1,78
12832069	767970	ASRGL1	asparaginase like 1	1,77
12721672	282351	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	1,77
12735556	514447	CLSTN1	calsyntenin 1	1,77
12696380	537813	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	1,77
12828604	535132	SIPA1L2	signal-induced proliferation-associated 1 like 2	1,77
12690136	528109	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	1,77
12775398	506029	STRADB	STE20-related kinase adaptor beta	1,76
12775831	508763	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	1,76
12760156	789870	LOC789870	similar to Peptidyl-prolyl cis-trans isomerase H (PPIase H) (Rotamase H) (U-snRNP-associated cyclophilin SnuCyp-20) (USA-CYP) (Small nuclear ribonucleoprotein particle-specific cyclophilin H) (CypH)	1,76
12832763	337898	PAG4	pregnancy-associated glycoprotein 4	1,76
12897811	532081	LOC532081	similar to Protein FAM135A	1,75
12838432	514345	MCOLN3	mucolipin 3	1,75
12832809	337903	PAG9	pregnancy-associated glycoprotein 9	1,75
12843700	507455	SLC44A3	solute carrier family 44, member 3	1,75
12850290	516290	ARHGEF5	Rho guanine nucleotide exchange factor (GEF) 5	1,75
12717421	783871	PI3	peptidase inhibitor 3, skin-derived (SKALP)	1,75
12698714	326577	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	1,75
12733686	617430	C2H11orf70	chromosome 11 open reading frame 70 ortholog	1,75
12679790	511229	LOC511229	similar to mCG142710	1,75
12890007	510535	FSD1L	fibronectin type III and SPRY domain containing 1-like	1,74
12810066	529859	LOC529859	similar to KIAA1632	1,74
12871275	522345	SLC30A9	solute carrier family 30 (zinc transporter), member 9	1,74

12779218	614932	ALS2CR13	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 13	1,74
12905702	615421	ZDHHC15	zinc finger, DHHC-type containing 15	1,74
12728753	529030	RTN4RL2	reticulon 4 receptor-like 2	1,74
12752815	533130	PHLPP2	PH domain and leucine rich repeat protein phosphatase 2	1,74
12736678	534048	CDK18	cyclin-dependent kinase 18	1,73
12804021	788250	LOC788250	similar to histone cluster 1, H3f	1,73
12790554	530688	RPP25	ribonuclease P/MRP 25kDa subunit	1,73
12764393	533484	DHX40	DEAH (Asp-Glu-Ala-His) box polypeptide 40	1,73
12772859	616275	ANAPC11	anaphase promoting complex subunit 11	1,73
12836813	505886	IQGAP3	IQ motif containing GTPase activating protein 3	1,73
12786321	539571	ESM1	endothelial cell-specific molecule 1	1,72
12806644	613971	PRP8	prolactin-related protein VIII	1,72
12734981	505149	DYRK3	ual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	1,72
12803572	616627	HIST1H2BK	H2B histone family, member T	1,72
12773173	751575	SECTM1A	secreted and transmembrane protein 1A	1,72
12897842	532916	LOC532916	similar to CG14803 CG14803-PA	1,72
12679105	505569	CLCN2	chloride channel 2	1,71
12767942	504242	HDAC5	histone deacetylase 5	1,71
12783927	541050	YTHDF2	YTH domain family, member 2	1,71
12782441	527199	INO80D	INO80 complex subunit D	1,71
12806818	617406	LOC617406	similar to thrombin inhibitor	1,71
12871633	533333	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	1,71
12899456	281496	SOD2	superoxide dismutase 2, mitochondrial	1,71
12691559	540869	SLC30A4	solute carrier family 30 (zinc transporter), member 4	1,71
12702089	539646	GAPVD1	GTPase activating protein and VPS9 domains 1	1,70
12737853	789713	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	1,70
12872011	538409	CASP6	caspase 6, apoptosis-related cysteine peptidase	1,70
12750348	507593	TMEM188	transmembrane protein 188	1,70
12899267	100336870	LOC100336870	5-nucleotidase-like	1,70
12774809	338070	CHRNA1	cholinergic receptor, nicotinic, alpha 1 (muscle)	1,70
12826646	534075	EGLN1	egl nine homolog 1 (C. elegans)	1,70
12730037	617470	IL18BP	interleukin 18 binding protein	1,70
12837452	509100	C3H1ORF210	chromosome 1 open reading frame 210 ortholog	1,70
12762566	510264	DHRS11	dehydrogenase/reductase (SDR family) member 11	1,70
12893362	511010	PTPN3	protein tyrosine phosphatase, non-receptor type 3	1,69
12802575	527388	LOC527388	similar to Histone H4 replacement CG3379-PC	1,69
12707965	614868	KHK	ketohehexokinase (fructokinase)	1,69
12690420	532574	MYO5C	myosin VC	1,69
12874907	533114	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	1,69
12773833	100137875	LOC100137875	similar to MGC127538 protein	1,68
12679162	506114	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2)	1,68
12702232	540187	EML4	echinoderm microtubule associated protein like 4	1,68
12821398	281206	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	1,68
12813377	531092	MMP25	similar to matrix metalloproteinase 25 preproprotein	1,68
12683782	504746	ECT2	epithelial cell transforming sequence 2 oncogene	1,68
12683750	504698	TFRC	transferrin receptor (p90, CD71)	1,68
12726011	615095	KHDRBS3	KH domain containing, RNA binding, signal transduction associated 3	1,68
12782544	529043	ARHGEF10L	Rho guanine nucleotide exchange factor (GEF) 10-like	1,67
12847418	615039	AKIRIN1	akirin 1	1,67
12854164	514986	MKRN1	makorin ring finger protein 1	1,67
12794603	504538	PRSS42	protease, serine, 42	1,67
12771502	532359	FO XK2	forkhead box K2	1,67
12716738	540206	MASTL	microtubule associated serine/threonine kinase-like	1,67

12705899	515820	SH2D3C	SH2 domain containing 3C	1,67
12902795	280688	F9	coagulation factor IX	1,67
12739111	508637	SUSD4	sushi domain containing 4	1,67
12899051	783090	LOC783090	similar to chromosome 6 open reading frame 168	1,67
12881001	538519	MKNK2	MAP kinase interacting serine/threonine kinase 2	1,66
12872471	615885	GABRG1	gamma-aminobutyric acid (GABA) A receptor, gamma 1	1,66
12874307	516507	LRRC66	leucine rich repeat containing 66	1,66
12834866	614840	GAS2	growth arrest-specific 2	1,66
12695183	518653	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	1,66
12815354	504245	ARHGAP17	Rho GTPase activating protein 17	1,66
12683071	100336456	LOC100336456	limbic system-associated membrane protein-like	1,65
12900524	521027	SLC22A2	solute carrier family 22 (organic cation transporter), member 2	1,65
12755716	281677	CEBPA	CCAAT/enhancer binding protein (C/EBP), alpha	1,65
12896625	281849	IGF2R	insulin-like growth factor 2 receptor	1,65
12823616	504489	LONRF1	LON peptidase N-terminal domain and ring finger 1	1,65
12782838	533324	LOC533324	similar to Protein FAM126B	1,65
12841430	617707	PPAP2B	phosphatidic acid phosphatase type 2B	1,65
12847254	613828	DR1	down-regulator of transcription 1, TBP-binding (negative cofactor 2)	1,65
12880562	534125	MAPK9	mitogen-activated protein kinase 9	1,65
12745816	506096	HSPA4L	heat shock 70kDa protein 4-like	1,65
12899094	785633	LOC785633	similar to S-phase kinase-associated protein 1	1,64
12697409	617811	ARHGAP11A	Rho GTPase activating protein 11A	1,64
12826028	505563	KCNK1	potassium channel, subfamily K, member 1	1,64
12817696	532337	GSPT1	G1 to S phase transition 1	1,64
12857464	404150	METAP2	methionyl aminopeptidase 2	1,64
12841009	541171	MGC143035	hypothetical LOC541171	1,64
12804010	787581	H2B	histone H2B	1,64
12887757	615427	SKP1	S-phase kinase-associated protein 1	1,64
12898982	767920	MGC127538	hypothetical protein MGC127538	1,64
12777627	532067	COBLL1	COBL-like 1	1,63
12744191	540479	NF2	neurofibromin 2 (merlin)	1,63
12685379	529537	C2CD2	C2 calcium-dependent domain containing 2	1,63
12791907	503579	FOXA1	forkhead box A1	1,63
12876902	281227	HMMR	hyaluronan-mediated motility receptor (RHAMM)	1,63
12875165	535060	SEL1L3	sel-1 suppressor of lin-12-like 3 (C. elegans)	1,63
12686668	614056	SGOL1	shugoshin-like 1 (S. pombe)	1,63
12802355	520625	SLC44A4	solute carrier family 44, member 4	1,63
12893713	513828	TBC1D2	TBC1 domain family, member 2	1,63
12848001	782689	LOC782689	similar to ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	1,63
12898421	537625	LOC537625	similar to chromosome 6 open reading frame 204	1,63
12686683	614392	ATP11B	ATPase, class VI, type 11B	1,63
12847081	540776	EFNA3	ephrin-A3	1,63
12823365	100294770	LOC100294770	hypothetical protein LOC100294770	1,63
12689529	515748	KIF23	kinesin family member 23	1,62
12905651	614207	LOC614207	similar to Eukaryotic translation initiation factor 5B (eIF-5B) (Translation initiation factor IF-2)	1,62
12802810	533188	CD2AP	CD2-associated protein	1,62
12684009	507707	TOMM70A	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)	1,62
12870366	337870	MAD2L1	MAD2 mitotic arrest deficient-like 1 (yeast)	1,62
12897737	529405	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	1,62
12819256	506724	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor)	1,62
12799135	515845	FANCD2	Fanconi anemia, complementation group D2	1,62



12859274	513221	HMOX1	heme oxygenase (decycling) 1	1,62
12745867	506353	KNTC1	kinetochore associated 1	1,62
12890164	512907	PDLIM2	PDZ and LIM domain 2 (mystique)	1,62
12803635	617315	LOC617315	similar to Chromosome 6 open reading frame 146	1,62
12800524	617466	MRPS24	mitochondrial ribosomal protein S24	1,62
12810182	532895	TTC39C	similar to TPR repeat-containing protein C18orf17	1,62
12850105	512903	CPA4	carboxypeptidase A4	1,61
12691569	540925	SCN3B	sodium channel, voltage-gated, type III, beta	1,61
12865041	508535	FKBP4	FK506 binding protein 4, 59kDa	1,61
12904642	527180	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	1,61
12896683	282150	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide	1,61
12724911	511940	MAL2	mal, T-cell differentiation protein 2	1,61
12882076	767948	FAF2	Fas associated factor family member 2	1,61
12723396	613472	GDAP1	ganglioside-induced differentiation-associated protein 1	1,61
12725482	525303	GGH	gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase)	1,61
12894921	538949	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae)	1,61
12709325	508454	GJB6	gap junction protein, beta 6, 30kDa	1,61
12701262	532850	EIF5B	eukaryotic translation initiation factor 5B	1,60
12848067	784449	LOC784449	similar to KIAA1324	1,60
12877473	504458	MLLT1	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	1,60
12849944	511416	CPA5	carboxypeptidase A5	1,60
12838179	513523	ORC1L	origin recognition complex, subunit 1-like (yeast)	1,60
12818771	100297382	LOC100297382	hypothetical LOC100297382	1,60
12698109	100299044	LOC100299044	similar to pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2	1,60
12707854	613898	CENP-A	CENP-A protein	1,60
12802260	517950	GPR115	G protein-coupled receptor 115	1,60
12725874	539427	E2F5	E2F transcription factor 5, p130-binding	1,59
12821102	783804	CENPN	centromere protein N	1,59
12807027	781915	LOC781915	similar to mCG117348	1,59
12751545	514212	MYH14	myosin, heavy chain 14, non-muscle	1,59
12903071	337918	SRPX	sushi-repeat-containing protein, X-linked	1,59
12901592	787125	C6orf173	chromosome 6 open reading frame 173	1,59
12720338	533289	PIP4K2A	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	1,59
12746604	514405	PLK4	polo-like kinase 4 (Drosophila)	1,59
12757957	523367	SHCBP1	SHC SH2-domain binding protein 1	1,59
12722842	524974	LOC524974	similar to Prion-like-(Q/N-rich)-domain-bearing protein family member (pqn-75)	1,59
12890336	515437	SLC39A14	solute carrier family 39 (zinc transporter), member 14	1,59
12728637	527418	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	1,59
12744739	768238	LOC768238	hypothetical protein LOC768238	1,59
12825927	282142	ANXA11	annexin A11	1,59
12820554	536516	TDRD1	tudor domain containing 1	1,59
12691776	613752	LOC613752	similar to histone cluster 1, H2bd	1,59
12787023	286842	BASP1	brain abundant, membrane attached signal protein 1	1,58
12781280	511199	LDLRAP1	low density lipoprotein receptor adaptor protein 1	1,58
12792769	520207	LOC520207	similar to Nesprin-3	1,58
12701722	535992	RAB11FIP5	RAB11 family interacting protein 5 (class I)	1,58
12761302	327712	CCL5	chemokine (C-C motif) ligand 5	1,58
12698951	504477	NCAPH	non-SMC condensin I complex, subunit H	1,58
12851976	616302	AGAP3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	1,58
12854612	521867	MACC1	metastasis associated in colon cancer 1	1,58

12761869	506146	UNC13D	unc-13 homolog D ( <i>C. elegans</i> )	1,58
12800901	100271839	C23H6orf141	chromosome 6 open reading frame 141 ortholog	1,58
12751437	513551	CENPN	centromere protein N	1,57
12871252	521106	UTP3	UTP3, small subunit (SSU) processome component, homolog ( <i>S. cerevisiae</i> )	1,57
12714015	504437	AURKA	aurora kinase A	1,57
12785196	407767	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	1,57
12684570	514192	YEATS2	YEATS domain containing 2	1,57
12691957	615539	SNAPC1	small nuclear RNA activating complex, polypeptide 1, 43kDa	1,57
12683430	282184	CLDN16	claudin 16	1,57
12713021	767887	DIS3	DIS3 mitotic control homolog ( <i>S. cerevisiae</i> )	1,57
12774529	281758	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	1,57
12838795	519027	KANK4	KN motif and ankyrin repeat domains 4	1,57
12909607	537127	KIF4A	kinesin family member 4A	1,57
12791634	281456	RHCG	Rh family, C glycoprotein	1,57
12785155	326597	CALM	calmodulin-like	1,57
12819342	508467	KIF11	kinesin family member 11	1,57
12719311	514399	NDRG3	NDRG family member 3	1,57
12735929	519758	ATP1B1	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide	1,56
12812144	509616	LOC509616	similar to Williams-Beuren syndrome chromosome region 27	1,56
12693397	280894	PGF	placental growth factor	1,56
12881358	540274	RNF14	ring finger protein 14	1,56
12699923	514039	EPCAM	epithelial cell adhesion molecule	1,56
12871525	531234	NCAPG	non-SMC condensin I complex, subunit G	1,56
12854261	517496	ZNF777	zinc finger protein 777	1,56
12730711	280713	ADM	adrenomedullin	1,56
12692627	787969	CASC5	cancer susceptibility candidate 5	1,56
12819469	511417	SHOC2	soc-2 suppressor of clear homolog ( <i>C. elegans</i> )	1,56
12832191	786629	E2F8	E2F transcription factor 8	1,56
12738739	445421	MRPS14	mitochondrial ribosomal protein S14	1,56
12689085	512541	ACOT4	acyl-CoA thioesterase 4	1,56
12690591	534040	SPINT1	serine peptidase inhibitor, Kunitz type 1	1,56
12811770	505200	CCNF	cyclin F	1,56
12836428	504595	DENND2D	DENN/MADD domain containing 2D	1,56
12704518	506958	PQLC3	PQ loop repeat containing 3	1,56
12890559	520088	MELK	maternal embryonic leucine zipper kinase	1,55
12742161	504481	SC4MOL	sterol-C4-methyl oxidase-like	1,55
12883226	281946	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	1,55
12700024	514777	BUB1	budding uninhibited by benzimidazoles 1 homolog (yeast)	1,55
12693160	100300494	LOC100300494	hypothetical LOC100300494	1,55
12708314	618618	CREG2	cellular repressor of E1A-stimulated genes 2	1,55
12704851	508550	KRTCAP3	keratinocyte associated protein 3	1,55
12800906	100294773	LOC100294773	similar to histone cluster 1, H2ag	1,55
12807165	788496	LOC788496	similar to MGC133868 protein	1,55
12780807	507139	GCA	grancalcin, EF-hand calcium binding protein	1,55
12708565	785690	GEN1	Gen homolog 1, endonuclease ( <i>Drosophila</i> )	1,54
12904842	533137	SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), member 6	1,54
12785681	517459	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	1,54
12681054	525900	SHOX2	short stature homeobox 2	1,54
12688271	407159	HMGCR	3-hydroxy-3-methylglutaryl-coenzyme A reductase	1,54
12801220	286854	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6	1,54

12685459	530157	ESYT3	extended synaptotagmin-like protein 3	1,54
12691926	615282	CDKN3	cyclin-dependent kinase inhibitor 3	1,54
12724566	507572	CHMP4C	chromatin modifying protein 4C	1,54
12847510	615827	CKS1B	CDC28 protein kinase regulatory subunit 1B	1,54
12747614	536676	NAA15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit	1,53
12834781	541233	RCOR2	REST corepressor 2	1,53
12788284	541134	UBTD2	ubiquitin domain containing 2	1,53
12780177	281356	NPPC	natriuretic peptide precursor C	1,53
12689358	514749	RAD51	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	1,53
12775884	509072	ALS2CR8	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 8	1,53
12866428	519892	NUAK1	NUAK family, SNF1-like kinase, 1	1,53
12865056	509009	SLC35E3	solute carrier family 35, member E3	1,53
12895648	780881	C9orf100	vav-like protein C9orf100 homolog	1,53
12869943	281667	CCNA2	cyclin A2	1,53
12725792	538436	CCNE2	cyclin E2	1,53
12686083	538495	ILDR1	immunoglobulin-like domain containing receptor 1	1,53
12816381	512060	SEPHS2	selenophosphate synthetase 2	1,53
12754444	782388	LOC782388	similar to copine II	1,53
12732706	533323	PDE3B	phosphodiesterase 3B, cGMP-inhibited	1,53
12685836	535323	POLQ	polymerase (DNA directed), theta	1,53
12892141	784567	RHOBTB2	Rho-related BTB domain containing 2	1,53
12783369	537280	SLC19A3	solute carrier family 19, member 3	1,53
12775328	505011	SPC25	SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae)	1,53
12819603	513594	CEP55	centrosomal protein 55kDa	1,52
12733332	541209	AMOTL1	angiominin like 1	1,52
12777920	534678	TMEM163	transmembrane protein 163	1,52
12679896	511654	CHAF1B	chromatin assembly factor 1, subunit B (p60)	1,52
12830605	513678	CHEK1	CHK1 checkpoint homolog (S. pombe)	1,52
12884534	509418	CSF1R	colony stimulating factor 1 receptor	1,52
12733232	540322	WEE1	WEE1 homolog (S. pombe)	1,52
12704229	504261	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	1,52
12685985	536793	FXR1	fragile X mental retardation, autosomal homolog 1	1,52
12806528	540231	LOC540231	hypothetical LOC540231	1,52
12788298	613751	GPBP1	GC-rich promoter binding protein 1	1,52
12820806	540933	HELLS	helicase, lymphoid-specific	1,52
12733029	538739	DSCAML1	Down syndrome cell adhesion molecule like 1	1,52
12704737	508167	RRM2	ribonucleotide reductase M2 polypeptide	1,52
12720317	533264	SULF2	sulfatase 2	1,52
12780150	280994	ALPL	alkaline phosphatase, liver/bone/kidney	1,52
12872704	782350	LOC782350	similar to histone cluster 1, H2bd	1,52
12709172	505595	MCF2L	MCF.2 cell line derived transforming sequence-like	1,52
12764090	529171	SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid transporter 7)	1,52
12782928	534142	SNHG3-RCC1	SNHG3-RCC1 readthrough transcript	1,52
12852336	781426	NOD1	nucleotide-binding oligomerization domain containing 1	1,52
12872458	615820	PPA2	pyrophosphatase (inorganic) 2	1,52
12841028	541250	PSRC1	proline/serine-rich coiled-coil 1	1,51
12704220	493639	PTGES2	prostaglandin E synthase 2	1,51
12680435	514701	LOC514701	similar to Protein FAM3B precursor (Cytokine-like protein 2-21)	1,51
12725522	526535	SQLE	squalene epoxidase	1,51
12884048	507199	FAM125A	family with sequence similarity 125, member A	1,51
12803695	618147	LOC618147	similar to histone, H2A	1,51
12858341	506864	GTSF1	gametocyte specific factor 1	1,51

12708674	788926	HK2	hexokinase 2	1,51
12738139	100335299	LOC100335299	hypothetical protein LOC100335299	1,51
12803497	614026	RANBP9	RAN binding protein 9	1,51
12845211	521549	ZNF642	zinc finger protein 642	1,51
12720214	530401	NFATC2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	1,51
12836031	282356	SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1	1,51
12786255	539442	FOXI1	forkhead box I1	1,51
12826881	539055	TSPAN14	tetraspanin 14	1,51
12714684	510512	ZNF438	zinc finger protein 438	1,51
12892532	100336804	LOC100336804	hCG1818607-like	1,50
12731414	507022	LOC507022	similar to olfactory receptor Olr37	1,50
12805950	525511	LOC525511	similar to histone cluster 1, H3f	1,50
12809935	523223	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	1,50
12719715	519069	LOC519069	similar to histone cluster 1, H2bd	1,50
12861173	534995	SYNGR1	synaptogyrin 1	1,50
12807717	507631	TYMS	thymidylate synthetase	1,50
12847098	540863	CCDC18	coiled-coil domain containing 18	1,50
12845601	526978	MANEAL	mannosidase, endo-alpha-like	1,50
12897242	516032	SMAP1	small ArfGAP 1	1,50
12859257	512905	APOL3	apolipoprotein L, 3	1,50
12694950	515823	LOC515823	similar to Keratin 8	1,50
12741290	617138	MGC151839	similar to calpain	1,50
12900227	515080	FBXO5	F-box protein 5	1,50
12825838	281061	CDK1	cyclin-dependent kinase 1	1,50
12736304	523998	NEK2	NIMA (never in mitosis gene a)-related kinase 2	1,50
12826162	510574	VPS26A	vacuolar protein sorting 26 homolog A (S. pombe)	1,50
12821626	504445	DKK1	dickkopf homolog 1 (Xenopus laevis)	1,50
12895040	539634	LZTS1	leucine zipper, putative tumor suppressor 1	1,50
12693568	282341	RNASE6	ribonuclease, RNase A family, k6	-1,50
12847721	618177	SYT11	synaptotagmin XI	-1,50
12682124	540789	PARP14	poly (ADP-ribose) polymerase family, member 14	-1,50
12887812	615958	SHROOM1	shroom family member 1	-1,50
12853157	317693	AEBP1	AE binding protein 1	-1,50
12725810	538634	CTHRC1	collagen triple helix repeat containing 1	-1,50
12871206	518368	PARM1	prostate androgen-regulated mucin-like protein 1	-1,50
12834727	540313	ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	-1,51
12865975	514787	STK38L	serine/threonine kinase 38 like	-1,51
12750054	505366	WFDC1	WAP four-disulfide core domain 1	-1,51
12856953	281873	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-1,51
12825859	281408	PLAU	plasminogen activator, urokinase	-1,51
12686272	539334	IL1RAP	interleukin 1 receptor accessory protein	-1,51
12754721	787211	BOSTAUV1R409	vomeronasal 1 receptor bosTauV1R409	-1,51
12688075	281814	HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	-1,51
12901415	616198	LOC616198	hypothetical LOC616198	-1,51
12786297	539518	CD180	CD180 molecule	-1,51
12784053	613413	HNMT	histamine N-methyltransferase	-1,51
12902909	282092	TIMP1	TIMP metalloproteinase inhibitor 1	-1,51
12819727	515091	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	-1,51
12859375	513856	A2M	alpha-2-macroglobulin	-1,51
12805720	515440	C2	complement component 2	-1,52
12883080	281095	CSF2	colony stimulating factor 2 (granulocyte-macrophage)	-1,52
12850003	511711	FGL2	fibrinogen-like 2	-1,52

12840667	539491	GJA5	gap junction protein, alpha 5, 40kDa	-1,52
12680464	515051	DTX3L	deltex 3-like (Drosophila)	-1,52
12749439	282233	FLT3LG	fms-related tyrosine kinase 3 ligand	-1,52
12903803	511852	ASB11	ankyrin repeat and SOCS box-containing 11	-1,52
12833215	506812	CPT1A	carnitine palmitoyltransferase 1A (liver)	-1,52
12787160	507339	C7	complement component 7	-1,52
12787774	525869	RAI14	retinoic acid induced 14	-1,52
12714026	504492	SNAI1	snail homolog 1 (Drosophila)	-1,52
12819271	507061	DUSP5	similar to dual specificity phosphatase 5	-1,52
12879171	515367	FSTL3	folliculin-like 3 (secreted glycoprotein)	-1,52
12685396	529631	RUNX1	similar to runt-related transcription factor 1	-1,53
12884951	511765	ECSCR	endothelial cell-specific chemotaxis regulator	-1,53
12899691	404100	RAET1G	retinoic acid early transcript 1G	-1,53
12774318	280765	DES	desmin	-1,53
12704139	347700	EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	-1,53
12796018	524215	STAC	SH3 and cysteine rich domain	-1,53
12794515	407771	CCR1	chemokine (C-C motif) receptor 1	-1,53
12700012	514626	MXD1	MAX dimerization protein 1	-1,53
12823417	100313190	MIR2399	microRNA mir-2399	-1,53
12891796	614497	PALM2-AKAP2	PALM2-AKAP2 readthrough transcript	-1,53
12718324	505080	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	-1,53
12856171	785086	CREB3L2	cAMP responsive element binding protein 3-like 2	-1,53
12797118	616906	EIF4E3	eukaryotic translation initiation factor 4E family member 3	-1,53
12786624	617091	ENC1	ectodermal-neural cortex (with BTB-like domain)	-1,53
12767602	317655	MYH10	myosin, heavy chain 10, non-muscle	-1,53
12715184	515677	TSHZ2	teashirt zinc finger homeobox 2	-1,53
12711414	507053	LOC507053	similar to INSL3 receptor; INSL3R; GREAT	-1,54
12824460	614417	RBPMS	RNA binding protein with multiple splicing	-1,54
12771351	529760	ADORA2B	adenosine A2b receptor	-1,54
12882396	787836	LOC787836	similar to EGF-like module-containing mucin-like hormone receptor-like 2 precursor (EGF-like module EMR2) (CD312 antigen)	-1,54
12703212	784304	CMPK2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	-1,54
12740702	539800	TNFSF4	tumor necrosis factor (ligand) superfamily, member 4	-1,55
12842132	100126444	PCP4L1	Purkinje cell protein 4 like 1	-1,55
12790583	532119	BDKRB1	bradykinin receptor B1	-1,55
12762310	508666	LOC508666	similar to C-C motif chemokine 23 precursor (Small-inducible cytokine A23) (Macrophage inflammatory protein 3) (MIP-3) (Myeloid progenitor inhibitory factor 1) (MPIF-1) (CK-beta-8) (CKB-8)	-1,55
12898880	615490	SMOC2	SPARC related modular calcium binding 2	-1,55
12695283	521854	NID2	nidogen 2 (osteonidogen)	-1,56
12801023	100336922	LOC100336922	plasma cell-specific thioredoxin-related protein-like	-1,56
12732172	515648	MGC127492	similar to Protein C11orf33 precursor	-1,56
12887851	616564	SSBP2	single-stranded DNA binding protein 2	-1,56
12893989	518308	PRUNE2	prune homolog 2 (Drosophila)	-1,56
12907479	505987	GK	glycerol kinase	-1,56
12716461	535622	MAP3K8	mitogen-activated protein kinase kinase kinase 8	-1,56
12832090	777594	LOC777594	hypothetical protein LOC777594	-1,56
12849229	282879	HGF	hepatocyte growth factor (hepapoietin A; scatter factor)	-1,56
12868434	615414	CCND2	cyclin D2	-1,56
12823120	615342	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	-1,56
12682057	540675	KALRN	kalirin, RhoGEF kinase	-1,57
12882310	787005	PCDHB15	protocadherin beta 15	-1,57
12899536	338092	THBS2	thrombospondin 2	-1,57

12850991	532836	AHCYL2	adenosylhomocysteinase-like 2	-1,57
12704770	508204	GREB1	growth regulation by estrogen in breast cancer 1	-1,57
12737764	786597	LOC786597	hypothetical LOC786597	-1,57
12821748	506132	CH25H	cholesterol 25-hydroxylase	-1,57
12859291	513281	CPD	carboxypeptidase D	-1,57
12897325	517696	GPR63	G protein-coupled receptor 63	-1,57
12862103	541125	ELK3	ELK3, ETS-domain protein (SRF accessory protein 2)	-1,57
12749684	407171	LOC407171	Fc gamma 2 receptor	-1,57
12789212	494549	DIO3	deiodinase, iodothyronine, type III	-1,58
12836500	504742	CITED4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4	-1,58
12803191	538730	NRN1	neuritin 1	-1,58
12788776	100313030	MIR323	microRNA mir-323	-1,59
12861066	533992	DRAM1	DNA-damage regulated autophagy modulator 1	-1,59
12869241	784769	LOC784769	similar to MGC127725 protein	-1,59
12684103	508445	HCLS1	hematopoietic cell-specific Lyn substrate 1	-1,59
12715477	520412	LOC520412	similar to Protein FAM23A (Brush border protein AdRab-C)	-1,59
12683570	338037	MYLK	myosin light chain kinase	-1,59
12843761	507654	ADAMTSL4	ADAMTS-like 4	-1,59
12793325	535185	FBLN5	fibulin 5	-1,59
12784416	616901	LASS6	LAG1 homolog, ceramide synthase 6	-1,59
12694952	515838	ANKRD31	ankyrin repeat domain 31	-1,60
12892875	497015	TPM2	tropomyosin 2 (beta)	-1,60
12698536	281860	IL1RN	interleukin 1 receptor antagonist	-1,60
12837063	506759	IFI16	interferon, gamma-inducible protein 16	-1,61
12733526	615467	LRRC32	leucine rich repeat containing 32	-1,61
12875039	533681	TMEM156	transmembrane protein 156	-1,61
12794557	497204	UBA7	ubiquitin-like modifier activating enzyme 7	-1,61
12754674	786369	IGLON5	IgLON family member 5	-1,62
12762454	509484	ACE	angiotensin I converting enzyme	-1,62
12778017	535490	IFIH1	interferon induced with helicase C domain 1	-1,62
12716985	615264	EYA2	eyes absent homolog 2 (Drosophila)	-1,62
12697278	616885	FGF7	fibroblast growth factor 7 (keratinocyte growth factor)	-1,62
12758970	540417	IRX3	iroquois homeobox 3	-1,62
12712968	616416	KCTD12	potassium channel tetramerisation domain containing 12	-1,62
12738745	504407	SPSB1	splA/ryanodine receptor domain and SOCS box containing 1	-1,62
12884815	510907	ADAM19	ADAM metallopeptidase domain 19 (meltrin beta)	-1,62
12862214	613541	NDUFA4L2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	-1,63
12821633	504625	SORBS1	sorbin and SH3 domain containing 1	-1,63
12766850	100336608	LOC100336608	angiotensin-converting enzyme-like	-1,63
12769290	510085	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)	-1,63
12775250	503624	PLA2G2D3	calcium-dependent phospholipase A2 PLA2G2D3	-1,63
12735978	520341	TNFRSF9	tumor necrosis factor receptor superfamily, member 9	-1,63
12714505	508333	ZBP1	Z-DNA binding protein 1	-1,63
12752210	522144	GPR77	G protein-coupled receptor 77	-1,64
12822929	538510	HTR7	5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled)	-1,64
12870009	281212	CXCL2	chemokine (C-X-C motif) ligand 2	-1,64
12834487	534414	NTM	neurotrimin	-1,64
12703842	281251	IL1B	interleukin 1, beta	-1,64
12725347	516989	RALYL	RALY RNA binding protein-like	-1,64
12836080	286806	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4	-1,65

12693498	281905	LTBP2	latent transforming growth factor beta binding protein 2	-1,65
12875869	618054	PROM1	prominin 1	-1,65
12835548	100298387	LOC100298387	similar to guanylate binding protein 2	-1,65
12890520	519311	PTPDC1	protein tyrosine phosphatase domain containing 1	-1,65
12684815	516536	C1H21ORF63	chromosome 21 open reading frame 63 ortholog	-1,65
12744472	615411	CMKLR1	chemokine-like receptor 1	-1,65
12697609	782825	GCNT4	glucosaminyl (N-acetyl) transferase 4, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	-1,65
12766339	789409	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	-1,65
12793718	616003	TM6SF1	transmembrane 6 superfamily member 1	-1,66
12883076	281048	CD14	CD14 molecule	-1,66
12789530	507138	ISG12(A)	putative ISG12(a) protein	-1,66
12696574	538957	TGFB3	transforming growth factor, beta 3	-1,66
12786020	531659	C1QTNF3	C1q and tumor necrosis factor related protein 3	-1,66
12863657	100313297	MIR2434	microRNA mir-2434	-1,66
12726925	404179	LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	-1,66
12723165	535017	ADCY8	adenylate cyclase 8 (brain)	-1,67
12817585	530050	MYH11	myosin, heavy chain 11, smooth muscle	-1,67
12788377	616007	HSPB3	heat shock 27kDa protein 3	-1,68
12807575	493988	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-1,68
12727781	513463	TAGLN	transgelin	-1,68
12806256	535704	FKBP5	FK506 binding protein 5	-1,68
12774604	282470	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	-1,68
12729339	537790	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-1,69
12779281	615761	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	-1,69
12851249	536286	ITGB8	integrin, beta 8	-1,69
12786416	540722	ADAMTS6	ADAM metalloproteinase with thrombospondin type 1 motif, 6	-1,69
12820705	539047	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	-1,69
12791216	617420	ISG12(B)	similar to TLH29 protein precursor	-1,69
12873681	506971	RASGEF1B	RasGEF domain family, member 1B	-1,70
12783627	539421	DOCK10	dedicator of cytokinesis 10	-1,70
12891820	614778	C8H9ORF85	chromosome 9 open reading frame 85 ortholog	-1,70
12875956	767910	PLAC8	placenta-specific 8	-1,71
12712633	540038	GPR18	G protein-coupled receptor 18	-1,71
12822715	534505	CPXM2	carboxypeptidase X (M14 family), member 2	-1,72
12880668	534583	CNN1	calponin 1, basic, smooth muscle	-1,73
12797637	788085	TMEM158	transmembrane protein 158	-1,73
12756033	404070	MT2A	metallothionein 2A	-1,73
12787255	510708	ADCY2	adenylate cyclase 2 (brain)	-1,73
12891431	538565	GLIPR2	GLI pathogenesis-related 2	-1,74
12892548	100337068	LOC100337068	transient receptor potential cation channel, subfamily M, member 3-like	-1,74
12769871	512652	SSH2	slingshot homolog 2 (Drosophila)	-1,74
12767023	281043	CCL2	chemokine (C-C motif) ligand 2	-1,74
12882219	782799	LOC782799	similar to intercellular adhesion molecule-1	-1,74
12889316	504760	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	-1,75
12742041	282361	SLC5A1	solute carrier family 5 (sodium/glucose cotransporter), member 1	-1,76
12776788	518283	PTAFR	platelet-activating factor receptor	-1,76
12858608	508740	CLEC12A	C-type lectin domain family 12, member A	-1,76
12872717	783855	TIFA	TRAF-interacting protein with forkhead-associated domain	-1,77

12730259	783765	TSPAN18	tetraspanin 18	-1,77
12688001	281530	THBS1	thrombospondin 1	-1,78
12895096	540699	TRPM3	transient receptor potential cation channel, subfamily M, member 3	-1,78
12708472	783020	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	-1,78
12876443	100298356	LOC100298356	similar to bone marrow stromal cell antigen 2	-1,78
12860646	528870	NAV3	neuron navigator 3	-1,78
12880314	530101	GFPT2	glutamine-fructose-6-phosphate transaminase 2	-1,80
12869909	281212	CXCL2	chemokine (C-X-C motif) ligand 2	-1,83
12804734	404547	TREM1	triggering receptor expressed on myeloid cells 1	-1,83
12843823	508348	IFI44	interferon-induced protein 44	-1,84
12885799	521987	IFI47	interferon gamma inducible protein 47	-1,84
12780541	404185	IGFBP5	insulin-like growth factor binding protein 5	-1,85
12843193	504819	NEXN	similar to Nexilin (F-actin binding protein) (Nelin)	-1,85
12874633	527520	HERC6	hect domain and RLD 6	-1,86
12761205	282642	ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	-1,86
12694790	514462	CDO1	cysteine dioxygenase, type I	-1,86
12870628	507790	PF4	platelet factor 4	-1,88
12755776	281983	PLAUR	plasminogen activator, urokinase receptor	-1,90
12749602	286879	LIPE	lipase, hormone-sensitive	-1,90
12767029	281044	CCL8	chemokine (C-C motif) ligand 8	-1,90
12873648	506207	CCKAR	cholecystokinin A receptor	-1,90
12843813	508347	LOC508347	similar to interferon-induced protein 44-like	-1,92
12713955	404075	TKDP4	trophoblast Kunitz domain protein 4	-1,92
12842734	282118	VCAM1	vascular cell adhesion molecule 1	-1,93
12791437	791021	MIR487A	microRNA mir-487a	-1,94
12876963	281839	ICAM1	intercellular adhesion molecule 1	-1,96
12842784	282229	FCGR2	Fc fragment of IgG, low affinity IIb, receptor (CD32)	-1,96
12869838	280828	IL8	interleukin 8	-1,97
12887150	539136	MEGF10	multiple EGF-like-domains 10	-1,97
12737211	541305	NR5A2	nuclear receptor subfamily 5, group A, member 2	-1,98
12741388	768081	LOC768081	hypothetical protein LOC768081	-2,00
12678517	280872	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	-2,01
12740864	540836	RGS1	regulator of G-protein signaling 1	-2,02
12870047	281909	MANBA	mannosidase, beta A, lysosomal	-2,02
12746932	519922	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	-2,03
12872284	613667	CXCL2	chemokine (C-X-C motif) ligand 2	-2,05
12803598	616942	LOC616942	MHC class I heavy chain	-2,05
12870010	281735	CXCL5	chemokine (C-X-C motif) ligand 5	-2,07
12859619	515202	USP18	ubiquitin specific peptidase 18	-2,07
12704418	506415	RSAD2	radical S-adenosyl methionine domain containing 2	-2,10
12769077	509283	RNF213	similar to mCG142721	-2,12
12681452	534171	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	-2,13
12899527	317707	HTR1B	5-hydroxytryptamine (serotonin) receptor 1B	-2,17
12696603	539079	GREM1	gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)	-2,19
12788987	280985	ACAN	aggrecan	-2,19
12861019	533844	CD163	CD163 molecule	-2,21
12684354	511037	TMPRSS2	transmembrane protease, serine 2	-2,23
12742653	514346	SDS	serine dehydratase	-2,28
12748219	654488	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	-2,29
12713962	404076	TKDP1	trophoblast Kunitz domain protein 1	-2,36
12747162	529660	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	-2,39
12795384	512512	DNASE1L3	deoxyribonuclease I-like 3	-2,42
12818707	100139670	IFIT1	interferon-induced protein with tetratricopeptide repeats 1	-2,59



12873199	281233	IBSP	integrin-binding sialoprotein	-2,67
12893949	516661	LOC516661	similar to leucine-rich repeat LGI family, member 3	-2,68
12695043	516762	AQP9	aquaporin 9	-2,69
12678533	280873	MX2	myxovirus (influenza virus) resistance 2 (mouse)	-2,78
12713397	100301215	LOC100301215	similar to tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	-2,82
12717232	618696	LOC618696	similar to trophoblast Kunitz domain protein 5	-2,89
12775207	494318	PLA2G2D1	calcium-dependent phospholipase A2 PLA2G2D1	-2,96
12695993	532890	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	-3,04