

**Supplementary Table 3:** Differentially expressed genes corresponding to cluster two. One of them has not annotation on swissprot database

<b>Target genes</b>	<b>Gene</b>	<b>Specie</b>	<b>Expression level</b>
[BBH] SLMO2_RAT Q6P9U4 Protein slowmo homolog 2	Slmo2	<i>Rattus norvegicus</i>	Low
Oncorhynchus mykiss Na/K ATPase alpha subunit isoform 2 LOC100136182, mRNA			Low
Pterin-4-alpha-carbinolamine dehydratase	Pcbd1	<i>Mus musculus</i>	Low
N-acetylated-alpha-linked acidic dipeptidase 2	NAALAD2	<i>Homo sapiens</i>	Low
Sorbitol dehydrogenase	SORD	<i>Pongo abelii</i>	Low
NHP2-like protein 1	nhp2l1	<i>Xenopus tropicalis</i>	Low
Coronin-1C	Coro1c	<i>Mus musculus</i>	Low
hypothetical protein LOC558894 [Danio rerio]			Low
Salmo salar 1-O-acylceramide synthase lypa3, mRNA			Low
[BBH] CXB6_CHICK O93533 Gap junction beta-6 protein	GJB6	<i>Gallus gallus</i>	Low
Rho GTPase-activating protein 12	Arhgap12	<i>Mus musculus</i>	Low
Nuclease EXOG, mitochondrial	EXOG	<i>Homo sapiens</i>	Low
BSD domain-containing protein 1	bsdc1	<i>Danio rerio</i>	Low
Sorbitol dehydrogenase	SORD	<i>Bos taurus</i>	Low

ATP synthase lipid-binding protein, mitochondrial	ATP5G3	<i>Bos taurus</i>	Low
Salmo salar Mannose-1-phosphate guanyltransferase alpha-A gmpaa, mRNA	ISG20L2	<i>Bos taurus</i>	Low
[BBH] I20L2_BOVIN Q2YDK1 Interferon-stimulated 20 kDa exonuclease-like 2			Low
Putative N-acetylated-alpha-linked acidic dipeptidase	FOLH1B	<i>Homo sapiens</i>	Low
ATP-dependent RNA helicase DDX39	Ddx39	<i>Rattus norvegicus</i>	Low
ATP synthase lipid-binding protein, mitochondrial	ATP5G3	<i>Pongo abelii</i>	Low
COX assembly mitochondrial protein homolog	CMC1	<i>Bos taurus</i>	Low
[BBH] TRIAB_XENLA Q6DD38 TP53-regulated inhibitor of apoptosis 1-B	triap1-B	<i>Xenopus laevis</i>	Low
Sorting nexin-7	Snx7	<i>Mus musculus</i>	Low
Proteasome subunit alpha type-3	Psma3	<i>Mus musculus</i>	Low
cAMP-dependent protein kinase type II-alpha regulatory subunit	PRKAR2A	<i>Bos taurus</i>	Low
Uncharacterized protein C17orf37 homolog		<i>Mus musculus</i>	Low
Splicing factor, arginine/serine-rich 9	Sfrs9	<i>Mus musculus</i>	Low
Peptidyl-prolyl cis-trans isomerase A	PPIA	<i>Oryctolagus cuniculus</i>	Low

Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1	Dad1	<i>Rattus norvegicus</i>	Low
[BBH] MED22_TAKRU O57595 Mediator of RNA polymerase II transcription subunit 22	med22	<i>Takifugu rubripes</i>	Low
Salmo salar Tumor necrosis factor receptor superfamily member 5 tnr5, mRNA			Low
Protein phosphatase 1L	PPM1L	<i>Homo sapiens</i>	Low
Non-POU domain-containing octamer-binding protein	Nono	<i>Rattus norvegicus</i>	Low
Transmembrane protein 136	tmem136	<i>Danio rerio</i>	Low
[BBH] AP4M1_MOUSE Q9JKC7 AP-4 complex subunit mu-1	Ap4m1	<i>Mus musculus</i>	Low
Solute carrier family 25 member 46	slc25a46	<i>Danio rerio +</i>	Low
UPF0160 protein MYG1, mitochondrial		<i>Bos taurus</i>	Low
Polyglutamine-binding protein 1	PQBP1	<i>Bos taurus</i>	Low
39S ribosomal protein L42, mitochondrial	MRPL42	<i>Bos taurus</i>	Low
60S ribosomal protein L15	rpl15	<i>Anguilla japonica</i>	Low
[BBH] BPI_HUMAN P17213 Bactericidal permeability-increasing protein	BPI	<i>Homo sapiens</i>	Low
Group XIIA secretory phospholipase A2	PLA2G12A	<i>Homo sapiens</i>	Low

Somatostatin-1A	sst1a	<i>Carassius auratus</i>	Low
[BBH] TMM85_SALSA B5XB24 Transmembrane protein 85	tmem85	<i>Salmo salar</i>	Low
[BBH] HAP28_RAT Q62785 28 kDa heat- and acid-stable phosphoprotein	Pdap1	<i>Rattus norvegicus</i>	Low
hypothetical protein LOC569865 [Danio rerio]			Low
Histone chaperone asf1-A	asf1a	<i>Danio rerio</i>	Low
Zinc finger protein 19	ZNF19	<i>Bos taurus</i>	Low
Tropomyosin alpha-1 chain	tpm1	<i>Xenopus laevis</i>	Low
N-acetylgalactosamine kinase	Galk2	<i>Rattus norvegicus</i>	Low
SH2 domain-containing protein 1A	SH2D1A	<i>Saguinus oedipus</i>	Low
ATP synthase lipid-binding protein, mitochondrial	ATP5G1	<i>Bos taurus</i>	Low
Phosphoserine phosphatase	PSPH	<i>Pongo abelii</i>	Low
[BBH] SDHF1_HUMAN A6NFY7 Succinate dehydrogenase assembly factor 1, mitochondrial	SDHAF1	<i>Homo sapiens</i>	Low
[BBH] PEX3_BOVIN A6H7C2 Peroxisomal biogenesis factor 3	PEX3	<i>Bos taurus</i>	Low
Pyrroline-5-carboxylate reductase 3	pycr1	<i>Danio rerio</i>	Low
<i>Salmo salar</i> nucleoside diphosphate linked moiety X-type motif 5 nudt5, mRNA			Low

Vacuolar protein sorting-associated protein 4A	Vps4a	<i>Rattus norvegicus</i>	Low
GPN-loop GTPase 2	gpn2	<i>Danio rerio</i>	Low
Salmo salar Ras-related protein Rab-9A rab9a, mRNA			Low
Tripartite motif-containing protein 7	Trim7	<i>Mus musculus</i>	Low
[BBH] COMDA_HUMAN Q9Y6G5 COMM domain-containing protein 10	COMMD10	<i>Homo sapiens</i>	Low
Salmo salar Ras association domain-containing protein 2 rasf2, mRNA			Low
COP9 signalosome complex subunit 3	cops3	<i>Danio rerio</i>	Low
Dentin sialophosphoprotein	DSPP	<i>Homo sapiens</i>	Low
Eukaryotic translation initiation factor 4E-binding protein 2	Eif4ebp2	<i>Mus musculus</i>	Low
Cleavage and polyadenylation specificity factor subunit 5	cpsf5	<i>Danio rerio</i>	Low
Protein FRG1	Frg1	<i>Mus musculus</i>	Low
H2.0-like homeobox protein	Hlx	<i>Rattus norvegicus</i>	Low
[BBH] CV039_DANRE Q0P3X7 UPF0545 protein C22orf39 homolog		<i>Danio rerio</i>	Low
[BBH] UB2E1_HUMAN P51965 Ubiquitin-conjugating enzyme E2 E1	UBE2E1	<i>Homo sapiens</i>	Low
Protein canopy homolog 2	Cnpy2	<i>Mus musculus</i>	Low

Charged multivesicular body protein 3	vps24	<i>Danio rerio</i>	Low
phosphoenolpyruvate SOSS complex subunit C	ssbip1	<i>Salmo salar</i>	Low
[BBH] TM108_MOUSE Q8BHE4 Transmembrane protein 108	Tmem108	<i>Mus musculus</i>	Low
[BBH] GNPTG_BOVIN Q58CS8 N-acetylglucosamine-1- phosphotransferase subunit gamma	GNPTG	<i>Bos taurus</i>	Low
[BBH] RM54_DANRE Q1LXI5 39S ribosomal protein L54, mitochondrial	mrpl54	<i>Danio rerio</i>	Low
Phosphoribosyl pyrophosphate synthase-associated protein 2	PRPSAP2	<i>Pongo abelii</i>	Low
[BBH] SNX29_MOUSE Q9D3S3 Sorting nexin-29	Snx29	<i>Mus musculus</i>	Low
Transmembrane protein 167B	tmem167b	<i>Danio rerio</i>	Low
[BBH] VPS29_BOVIN Q3T0M0 Vacuolar protein sorting-associated protein 29	VPS29	<i>Bos taurus</i>	Low
Salmo salar hypothetical protein LOC100194706 LOC100194706, mRNA			Low
DCN1-like protein 5	DCUN1D5	<i>Homo sapiens</i>	Low
[BBH] CHM1B_DANRE Q7ZVB1 Charged multivesicular body protein 1b	chmp1b	<i>Danio rerio</i>	Low
Protein LSM12 homolog A	lsm12a	<i>Danio rerio</i>	Low

[BBH] RM18_BOVIN Q3ZBR7 39S ribosomal protein L18, mitochondrial	MRPL18	<i>Bos taurus</i>	Low
Nck-associated protein 1	nckap1	<i>Danio rerio</i>	Low
Q9UNI6 Dual specificity protein phosphatase 12	DUSP12	<i>Homo sapiens</i>	Low
DCN1-like protein 5	DCUN1D5	<i>Homo sapiens</i>	Low
[BBH] SEM4E_DANRE Q9YHX4 Semaphorin-4E	sema4e	<i>Danio rerio</i>	Low
Splicing factor, arginine/serine-rich 3	Sfrs3	<i>Mus musculus</i>	Low
[BBH] PGES2_DANRE Q7ZUC7 Prostaglandin E synthase 2	ptges2	<i>Danio rerio</i>	Low
Solute carrier family 25 member 46	slc25a46	<i>Danio rerio</i>	Low
[BBH] COTL1_RAT B0BNA5 Coactosin-like protein	Cotl1	<i>Rattus norvegicus</i>	Low
H/ACA ribonucleoprotein complex subunit 3	nop10	<i>Danio rerio</i>	Low
Beta-galactoside-binding lectin		<i>Electrophorus electricus</i>	Low
Stress-associated endoplasmic reticulum protein 1	Serp1	<i>Rattus norvegicus</i>	Low
Putative metalloprotease C21orf57	C21orf57	<i>Homo sapiens</i>	Low
HIG1 domain family member 1C	HIGD1C	<i>Homo sapiens</i>	Low
[BBH] PFD4_HUMAN Q9NQP4 Prefoldin subunit 4	PFDN4	<i>Homo sapiens</i>	Low

Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1	DAD1	<i>Gallus gallus</i>	Low
[BBH] THG1_BOVIN Q05B50 Probable tRNAHis guanylyltransferase	THG1L	<i>Bos taurus</i>	Low
naphase-promoting complex subunit 11	Anapc11	<i>Mus musculus</i>	Low
Sorting nexin-2	SNX2	<i>Homo sapiens</i>	Low
[BBH] WDR12_SALSA B5DG67 Ribosome biogenesis protein wdr12	wdr12	<i>Salmo salar</i>	Low
Oocyte zinc finger protein XICOF6 Fragment		<i>Xenopus laevis</i>	Low
[BBH] CI125_PONAB Q5R868 Transmembrane protein C9orf125 homolog		<i>Pongo abelii</i>	Low
Stathmin-3	STMN3	<i>Pongo abelii</i>	Low
[BBH] PEN2_DANRE Q8JHF0 Gamma-secretase subunit PEN-2	psenen	<i>Danio rerio</i>	Low
Probable thiopurine S-methyltransferase	tpmt	<i>Danio rerio</i>	Low
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	Ndufa6	<i>Mus musculus</i>	Low
<i>Salmo salar</i> PCNA-associated factor paf, mRNA			Low
[BBH] BZW1A_DANRE Q6PD83 Basic leucine zipper and W2 domain-containing protein 1-A	bzw1a	<i>Danio rerio</i>	Low
TOX high mobility group box family member 4	TOX4	<i>Pongo abelii</i>	Low



Vesicle transport protein SFT2C	SFT2D3	<i>Homo sapiens</i>	Low
Mitogen-activated protein kinase scaffold protein 1	mapksp1	<i>Danio rerio</i>	Low
[BBH] SDCB1_MOUSE O08992 Syntenin-1	Sdcbp	<i>Mus musculus</i>	Low
PREDICTED: <i>Danio rerio</i> hm:zeh0767 hm:zeh0767, mRNA			Low
Kinetochore protein Spc25	spc25	<i>Xenopus tropicalis</i>	Low
TNF receptor-associated factor 3	Traf3	<i>Mus musculus</i>	Low
Cell division control protein 42 homolog	Cdc42	<i>Mus musculus</i>	Low
Cysteine-rich hydrophobic domain 1 protein	CHIC1	<i>Homo sapiens</i>	Low
U3 small nucleolar RNA-associated protein 6 homolog	UTP6	<i>Homo sapiens</i>	Low
Tubulin beta chain		<i>Sus scrofa</i>	Low
[BBH] HXB7A_DANRE Q8AWY9 Homeobox protein Hox-B7a	hoxb7a	<i>Danio rerio</i>	Low
[BBH] TM147_DANRE Q6DGL7 Transmembrane protein 147	tmem147	<i>Danio rerio</i>	Low
Galactokinase	GALK1	<i>Homo sapiens</i>	Low
Ankyrin repeat domain-containing protein 12	ANKRD12	<i>Homo sapiens</i>	Low
Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform	ppp2r2b	<i>Carassius auratus</i>	Low
Rho guanine nucleotide exchange factor 10	ARHGEF10	<i>Homo sapiens</i>	Low

ATP synthase lipid-binding protein, mitochondrial	Atp5g3	<i>Mus musculus</i>	Low
Histone RNA hairpin-binding protein	Slbp	<i>Mus musculus</i>	Low
Protein SCO1 homolog, mitochondrial	SCO1	<i>Homo sapiens</i>	Low
Phosducin-like protein 3	Pdcl3	<i>Mus musculus</i>	Low
TP53-regulated inhibitor of apoptosis 1	TRIAP1	<i>Homo sapiens</i>	Low
[BBH] COMD3_MOUSE Q63829 COMM domain-containing protein 3	Commd3	<i>Mus musculus</i>	Low
[BBH] MXRA7_HUMAN P84157 Matrix-remodeling-associated protein 7	MXRA7	<i>Homo sapiens</i>	Low
Salmo salar Transcription factor E2F4 e2f4, mRNA			Low
[BBH] FKBP2_MOUSE P45878 Peptidyl-prolyl cis-trans isomerase FKBP2	Fkbp2	<i>Mus musculus</i>	Low
Coronin-6	CORO6	<i>Homo sapiens</i>	Low
Centrin-2	Cetn2	<i>Mus musculus</i>	Low
Centromere protein M	cenpm	<i>Danio rerio</i>	Low
[BBH] BRK1_DANRE Q6IQ86 Probable protein BRICK1	zgc:86903	<i>Danio rerio</i>	Low
Transcription factor BTF3 homolog 4	BTF3L4	<i>Bos taurus</i>	Low
ATP synthase subunit s, mitochondrial	ATP5S	<i>Bos taurus</i>	Low
Histone H2A		<i>Oncorhynchus mykiss</i>	Low

[BBH] RT36_HUMAN P82909 28S ribosomal protein S36, mitochondrial	MRPS36	<i>Homo sapiens</i>	Low
KIF1-binding protein homolog	kbp	<i>Danio rerio</i>	Low
Salmo salar GTPase KRas rask, mRNA			Low
[BBH] CNPY2_HUMAN Q9Y2B0 Protein canopy homolog 2	CNPY2	<i>Homo sapiens</i>	Low
Probable protein BRICK1-A		<i>Xenopus laevis</i>	Low
[BBH] EXO1_DANRE Q803U7 Exonuclease 1	exo1	<i>Danio rerio</i>	Low
[BBH] RIPL2_DANRE A4IGC3 RILP-like protein 2	rilpl2	<i>Danio rerio</i>	Low
Cancer susceptibility candidate protein 1 homolog	casc1	<i>Danio rerio</i>	Low
Mitogen-activated protein kinase scaffold protein 1	Mapksp1	<i>Mus musculus</i>	Low
Replication protein A 14 kDa subunit	RPA3	<i>Homo sapiens</i>	Low
Tetratricopeptide repeat protein 32	TTC32	<i>Homo sapiens</i>	Low
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	ppp1cc	<i>Xenopus tropicalis</i>	Low
ATP synthase subunit s-like protein OS=Bos taurus	ATP5SL		Low
Salmo salar Transmembrane protein 43 tmm43, mRNA			Low
Battenin	CLN3	<i>Canis familiaris</i>	Low

[BBH] FAHD1_RAT Q6AYQ8 Fumarylacetoacetate hydrolase domain-containing protein 1	Fahd1	<i>Rattus norvegicus</i>	Low
Nogo-B receptor	nus1	<i>Danio rerio</i>	Low
Oncorhynchus mykiss FAM96B fa96b, mRNA			Low
Protein QIL1	qil1	<i>Danio rerio</i>	Low
[BBH] NEDD8_DROME Q9VJ33 NEDD8	Nedd8	<i>Drosophila melanogaster</i>	Low
Salmo salar ADP-ribosylation factor-like protein 15 arl15, mRNA			Low
[BBH] TM160_DANRE B3DJK0 Transmembrane protein 160	tmem160	<i>Danio rerio</i>	Low
Titin	Ttn	<i>Mus musculus</i>	Low
Proteasome subunit alpha type-6	PsmA6	<i>Rattus norvegicus</i>	Low
Four and a half LIM domains protein 1	Fhl1	<i>Rattus norvegicus</i>	Low
Kinetochore protein Spc25	spc25	<i>Xenopus tropicalis</i>	Low
Ribonuclease P protein subunit p20	POP7	<i>Homo sapiens</i>	Low
Transcription initiation factor TFIID subunit 11	Taf11	<i>Mus musculus</i>	Low
A5PJ65 Protein RER1 OS=Bos taurus GN=RER1 PE=2 SV=2			Low
[BBH] ING4_CHICK Q5ZKY4 Inhibitor of growth protein 4	ING4	<i>Gallus gallus</i>	Low
[BBH] FEN1B_XENLA P70054 Flap endonuclease 1-B	fen1-B	<i>Xenopus laevis</i>	Low

[BBH] TM2D1_DANRE A5PLH4 TM2 domain-containing protein 1	tm2d1	<i>Danio rerio</i>	Low
Cyclin-L1	CCNL1	<i>Gallus gallus</i>	Low
Zinc finger protein 316	Znf316	<i>Mus musculus</i>	Low
[BBH] ID1_HUMAN P41134 DNA-binding protein inhibitor ID-1	ID1	<i>Homo sapiens</i>	Low
[BBH] PPB_GADMO P83456 Alkaline phosphatase		<i>Gadus morhua</i>	Low
[BBH] TCPZ_HUMAN P40227 T-complex protein 1 subunit zeta	CCT6A	<i>Homo sapiens</i>	Low
[BBH] NUD17_DANRE Q4V8V2 Nucleoside diphosphate-linked moiety X motif 17	nudt17	<i>Danio rerio</i>	Low
Transcription elongation regulator 1	Tcerg1	<i>Mus musculus</i>	Low
RING-box protein 2	Rnf7	<i>Mus musculus</i>	Low
[BBH] PCGF1_DANRE Q7ZYZ7 Polycomb group RING finger protein 1	pcgf1	<i>Danio rerio</i>	Low
[BBH] WFDC1_CHICK Q8JG33 WAP four-disulfide core domain protein 1	WFDC1	<i>Gallus gallus</i>	Low
Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha	FNTA	<i>Homo sapiens</i>	Low
[BBH] TBD_XENTR Q6DIM3 Tubulin delta chain	tubd1	<i>Xenopus tropicalis</i>	Low

MyoD family inhibitor domain-containing protein	MDFIC	<i>Homo sapiens</i>	Low
[BBH] DUT_HUMAN P33316 Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial	DUT	<i>Homo sapiens</i>	Low
Pleiotrophic factor-alpha-1		<i>Xenopus laevis</i>	Low
[BBH] SC11A_PONAB Q5R9C7 Signal peptidase complex catalytic subunit SEC11A	SEC11A	<i>Pongo abelii</i>	Low
Cullin-3-B	cul3b	<i>Xenopus laevis</i>	Low
[BBH] SSU72_DANRE Q6PC19 RNA polymerase II subunit A C-terminal domain phosphatase SSU72	ssu72	<i>Danio rerio</i>	Low
Exosome complex exonuclease RRP4	EXOSC2	<i>Bos taurus</i>	Low
Eukaryotic translation initiation factor 1A, X-chromosomal	EIF1AX	<i>Pongo abelii</i>	Low
Endosialin	Cd248	<i>Mus musculus</i>	Low
Anthrax toxin receptor 2	ANTXR2	<i>Homo sapiens</i>	Low
Autophagy-related protein 101	atg101	<i>Danio rerio</i>	Low
Peptidyl-prolyl cis-trans isomerase FKBP2	Fkbp2	<i>Mus musculus</i>	Low
Salmo salar Targeting protein for Xklp2 tpx2, mRNA			Low
Uncharacterized protein C19orf43	C19orf43	<i>Homo sapiens</i>	Low

Transcriptional regulator Myc Fragment	myc	<i>Oncorhynchus mykiss</i>	Low
Programmed cell death protein 2 Fragment	Pdcd2	<i>Rattus norvegicus</i>	Low
Oncorhynchus mykiss vasoactive intestinal polypeptide receptor type 1 vipr1, mRNA			Low
[BBH] GBG2_PONAB Q5R7U4 Guanine nucleotide-binding protein GI/GS/GO subunit gamma-2	GNG2	<i>Pongo abelii</i>	Low
Glutathione S-transferase omega-1	Gsto1	<i>Rattus norvegicus</i>	Low
Salmo salar potential DNA-binding protein C17orf49 homolog cq049, mRNA			Low
ATP synthase lipid-binding protein, mitochondrial	ATP5G1	<i>Ovis aries</i>	Low
PSMA1			Low
Putative COBW domain-containing protein 7	CBWD7	<i>Homo sapiens</i>	Low
RING finger and SPRY domain-containing protein 1	RSPRY1	<i>Pongo abelii</i>	Low
NA			Low
Securin	Pttg1	<i>Mus musculus</i>	Low
Transcription cofactor HES-6	HES6	<i>Homo sapiens</i>	Low
[BBH] BIG1_HUMAN Q9Y6D6 Brefeldin A-inhibited guanine nucleotide-exchange protein 1	ARFGEF1	<i>Homo sapiens</i>	Low

Signal peptidase complex subunit 3	SPC22	<i>Gallus gallus</i>	Low
[BBH] CXG1_DANRE Q92052 Gap junction gamma-1 protein	gjc1	<i>Danio rerio</i>	Low
Protein FAM89A	Fam89a	<i>Rattus norvegicus</i>	Low
Tripartite motif-containing protein 69	Trim69	<i>Mus musculus</i>	Low
Microtubule-associated protein RP/EB family member 1	Mapre1	<i>Rattus norvegicus</i>	Low
DCN1-like protein 5	DCUN1D5	<i>Homo sapiens</i>	Low
N6-adenosine-methyltransferase 70 kDa subunit	Mettl3	<i>Mus musculus</i>	Low
Replication protein A 32 kDa subunit	RPA2	<i>Homo sapiens</i>	Low
Salmo salar Angiotensinogen angt, mRNA			Low
[BBH] FA36A_DANRE Q6DH88 Protein FAM36A	fam36a	<i>Danio rerio</i>	Low
COBW domain-containing protein 1	Cbwd1	<i>Mus musculus</i>	Low
[BBH] FA96A_HUMAN Q9H5X1 Protein FAM96A	FAM96A	<i>Homo sapiens</i>	Low
Uncharacterized protein KIAA0319-like	Kiaa0319l	<i>Mus musculus</i>	Low
Trafficking protein particle complex subunit 2	TRAPPC2	<i>Bos taurus</i>	Low
[BBH] RM38_BOVIN Q3ZBF3 39S ribosomal protein L38, mitochondrial	MRPL38	<i>Bos taurus</i>	Low
Dixin	dixdc1	<i>Danio rerio</i>	Low



Salmo salar 26S proteasome non-ATPase regulatory subunit 2 psmd2, mRNA			Low
Nucleoporin p54	NUP54	<i>Homo sapiens</i>	Low
Polyadenylate-binding protein-interacting protein 2	PAIP2	<i>Pongo abelii</i>	Low
[BBH] ELMD2_HUMAN Q8IZ81 ELMO domain-containing protein 2	ELMOD2	<i>Homo sapiens</i>	Low
Cell division control protein 42	CDC42	<i>Ashbya gossypii</i>	Low
Sorting nexin-12	SNX12	<i>Homo sapiens</i>	Low
Salmo salar FAM76B fa76b, mRNA			Low
Prothymosin alpha-A	ptmaa	<i>Danio rerio</i>	Low
Mps one binder kinase activator-like 2B	MOBKL2B	<i>Homo sapiens</i>	Low
Salmo salar FAM44B fa44b, mRNA			Low
[BBH] CHS5_YEAST Q12114 Chitin biosynthesis protein CHS5	CHS5	<i>Saccharomyces cerevisiae</i>	Low
High mobility group protein B1	Hmgb1	<i>Rattus norvegicus</i>	Low
Reticulon-3	RTN3	<i>Bos taurus</i>	Low
ADP-ribosylation factor-like protein 4D	Arl4d	<i>Mus musculus</i>	Low
Retrovirus-related Pol polyprotein LINE-1	Pol	<i>Mus musculus</i>	Low
[BBH] YAF2_HUMAN Q8IY57 YY1-associated factor 2	YAF2	<i>Homo sapiens</i>	Low

Ras-related protein Rab-9A	RAB9A	<i>Homo sapiens</i>	Low
Oncorhynchus mykiss UDP-N-acetylglucosamine transferase subunit alg13 alg13, mRNA			Low
Complement component 1 Q subcomponent-binding protein, mitochondrial	C1qbp	<i>Rattus norvegicus</i>	Low
Ubiquitin domain-containing protein UBFD1	Ubfd1	<i>Mus musculus</i>	Low
			Low
Salmo salar Elongation factor 1-gamma ef1g, mRNA			Low
Phosphoserine phosphatase	PSPH	<i>Bos taurus</i>	Low
HAUS augmin-like complex subunit 2	HAUS2	<i>Pongo abelii</i>	Low
Zinc finger protein 362	ZNF362	<i>Homo sapiens</i>	Low
[BBH] IPP2_MOUSE Q9DCL8 Protein phosphatase inhibitor 2	Ppp1r2	<i>Mus musculus</i>	Low
Interferon-inducible double stranded RNA-dependent protein kinase activator A homolog A	prkra-A	<i>Xenopus laevis</i>	Low
Cell division control protein 42 homolog	Cdc42	<i>Mus musculus</i>	Low
Membrane magnesium transporter 1	mmgt1	<i>Danio rerio</i>	Low
[BBH] RASEF_DANRE A5WW21 Ras and EF-hand domain-containing protein	rasef	<i>Danio rerio</i>	Low
Proteasome subunit alpha type-7-like	Psma8	<i>Mus musculus</i>	Low

CTD small phosphatase-like protein 2-A	ctdspl2a	<i>Danio rerio</i>	Low
Testis-specific Y-encoded-like protein 2	TSPYL2	<i>Homo sapiens</i>	Low
[BBH] RNH2C_HUMAN Q8TDP1 Ribonuclease H2 subunit C	RNASEH2C	<i>Homo sapiens</i>	Low
U4/U6.U5 small nuclear ribonucleoprotein 27 kDa protein	snrnp27	<i>Xenopus tropicalis</i>	Low
Nitrilase homolog 1	Nit1	<i>Mus musculus</i>	Low
LDLR chaperone MESD	mesdc2	<i>Danio rerio</i>	Low
Bola-like protein 3	Bola3	<i>Mus musculus</i>	Low
Nucleoplasmin-like protein NO29		<i>Xenopus laevis</i>	Low
Salmo salar Long-chain-fatty-acid--CoA ligase 4 acsl4, mRNA			Low
[BBH] SOX13_HUMAN Q9UN79 Transcription factor SOX-13	SOX13	<i>Homo sapiens</i>	Low
Leucine-rich repeat-containing protein C10orf11	C10orf11	<i>Homo sapiens</i>	Low
U6 snRNA-associated Sm-like protein LSM1	LSM1	<i>Homo sapiens</i>	Low
Salmo salar CG050 protein cg050, mRNA			Low
[BBH] DIXC1_DANRE Q804T6 Dixin	dixdc1	<i>Danio rerio</i>	Low
Lysine-specific demethylase 2A	KDM2A	<i>Homo sapiens</i>	Low
Immediate early response 3-interacting protein 1	ier3ip1	<i>Xenopus laevis</i>	Low
Peptidyl-prolyl cis-trans isomerase-like 1	Ppil1	<i>Mus musculus</i>	Low

Salmo salar Cold shock domain-containing protein C2 csdc2, mRNA			Low
Tubulin beta-4 chain	Tubb4	<i>Mus musculus</i>	Low
Salmo salar Vesicle-associated membrane protein 3 vamp3, mRNA			Low
Frizzled-8	Fzd8	<i>Mus musculus</i>	Low
[BBH] LSM7_HUMAN Q9UK45 U6 snRNA-associated Sm-like protein LSm7	LSM7	<i>Homo sapiens</i>	Low
Proteasome subunit alpha type-1	PSMA1	<i>Gallus gallus</i>	Low
Ubiquitin-conjugating enzyme E2 C	Ube2c	<i>Mus musculus</i>	Low
Transmembrane emp24 domain-containing protein 10	tmed10	<i>Takifugu rubripes</i>	Low
[BBH] LIN52_ONCMY Q6X4M3 Protein lin-52 homolog	lin52	<i>Oncorhynchus mykiss</i>	Low
[BBH] HNRL1_MOUSE Q8VDM6 Heterogeneous nuclear ribonucleoprotein U-like protein 1	Hnrnpul1	<i>Mus musculus</i>	Low
[BBH] GOSR2_MOUSE O35166 Golgi SNAP receptor complex member 2	Gosr2	<i>Mus musculus</i>	Low
39S ribosomal protein L40, mitochondrial	Mrpl40	<i>Rattus norvegicus</i>	Low
Salmo salar Securin pttg1, mRNA			Low
Oncorhynchus mykiss UDP-N-acetylglucosamine transferase subunit alg13 alg13, mRNA			Low

[BBH] GT2D2_BOVIN A4IFA3 General transcription factor II-I repeat domain-containing protein 2	GTF2IRD2	<i>Bos taurus</i>	Low
[BBH] CF106_DANRE Q5BL31 Uncharacterized protein C6orf106 homolog	zgc:101577	<i>Danio rerio</i>	Low
[BBH] VP37D_HUMAN Q86XT2 Vacuolar protein sorting-associated protein 37D	VPS37D	<i>Homo sapiens</i>	Low
[BBH] RFA3_MOUSE Q9CQ71 Replication protein A 14 kDa subunit	Rpa3	<i>Mus musculus</i>	Low
Triosephosphate isomerase B	tpi1b	<i>Danio rerio</i>	Low
Sulfhydryl oxidase 1	QSOX1	<i>Homo sapiens</i>	Low
Coiled-coil-helix-coiled-coil-helix domain-containing protein 7	CHCHD7	<i>Homo sapiens</i>	Low
[BBH] ATM_HUMAN Q13315 Serine-protein kinase ATM	ATM	<i>Homo sapiens</i>	Low
DET1- and DDB1-associated protein 1	dda1	<i>Danio rerio</i>	Low
Transcription initiation factor TFIID subunit 10	TAF10	<i>Homo sapiens</i>	Low
Xenopus laevis profilin 2 pfn2, mRNA			Low
Proteasome subunit alpha type-1	PSMA1	<i>Homo sapiens</i>	Low
Dual specificity protein phosphatase 13 isoform MDSP	DUSP13	<i>Homo sapiens</i>	Low

F-box-like/WD repeat-containing protein TBL1XR1	TBL1XR1	<i>Homo sapiens</i>	Low
Circumsporozoite protein		<i>Plasmodium cynomolgi</i>	Low
Small subunit of serine palmitoyltransferase A	ssspta	<i>Salmo salar</i>	Low
COMM domain-containing protein 9	Commd9	<i>Mus musculus</i>	Low
Voltage-dependent anion-selective channel protein 3	Vdac3	<i>Rattus norvegicus</i>	Low
Salmo salar Microtubule-associated protein RP/EB family member 1 mare1, mRNA			Low
Q6PAF4 Non-structural maintenance of chromosomes element 1 homolog	nsmce1	<i>Xenopus laevis</i>	Low
Troponin I, slow skeletal muscle	TNNI1	<i>Oryctolagus cuniculus</i>	Low
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit dad1	dad1	<i>Xenopus laevis</i>	Low
EGF, latrophilin seven transmembrane domain-containing protein 1	Eld1	<i>Mus musculus</i>	Low
Coatomer subunit zeta-2	COPZ2	<i>Homo sapiens</i>	Low
serum amyloid A [ <i>Oncorhynchus mykiss</i> ]			Low
60S ribosomal protein L22	RPL22	<i>Tripneustes gratilla</i>	Low
Securin	PTTG1	<i>Bos taurus</i>	Low

[BBH] PSA2_CARAU O73672 Proteasome subunit alpha type-2	psma2	<i>Carassius auratus</i>	Low
Oncorhynchus mykiss Na/K ATPase alpha subunit isoform 2 LOC100136182, mRNA			Low
U2 small nuclear ribonucleoprotein B"	Snrpb2	<i>Mus musculus</i>	Low
Protein max	max	<i>Danio rerio</i>	Low
Salmo salar Formimidoyltransferase-cyclodeaminase ftcd, mRNA			Low
DNA polymerase epsilon subunit 3	Pole3	<i>Rattus norvegicus</i>	Low
Methylmalonic aciduria and homocystinuria type C protein homolog	MMACHC	<i>Bos taurus</i>	Low
Q5PR61 Probable lysosomal cobalamin transporter	Imbrd1	<i>Danio rerio</i>	Low
Metastasis-associated protein MTA1	MTA1	<i>Homo sapiens</i>	Low
[BBH] NXN_DANRE Q503L9 Nucleoredoxin	nxn	<i>Danio rerio</i>	Low
[BBH] TOM34_HUMAN Q15785 Mitochondrial import receptor subunit TOM34	TOMM34	<i>Homo sapiens</i>	Low
Cartilage-associated protein	Crtap	<i>Mus musculus</i>	Low
DNA-apurinic or apyrimidinic site lyase	APEX1	<i>Bos taurus</i>	Low
Mediator of RNA polymerase II transcription subunit 8	med8	<i>Danio rerio</i>	Low

[BBH] MET10_MOUSE Q9CQG2 Putative methyltransferase METT10D	Mett10d	<i>Mus musculus</i>	Low
[BBH] PP4CB_DANRE A9JRC7 Serine/threonine-protein phosphatase 4 catalytic subunit B	ppp4cb	<i>Danio rerio</i>	Low
RNA-binding protein with serine-rich domain 1	RNPS1	<i>Bos taurus</i>	Low
UPF0691 protein C9orf116 homolog	si:ch211-248e11.2	<i>Danio rerio</i>	Low
DNA polymerase epsilon subunit 4	Pole4	<i>Mus musculus</i>	Low
Calcineurin B homologous protein 2	Chp2	<i>Mus musculus</i>	Low
Oxidation resistance protein 1	Oxr1	<i>Rattus norvegicus</i>	Low
Homeobox protein PKNOX1	Pknox1	<i>Mus musculus</i>	Low
hypothetical protein [Monosiga brevicollis MX1]			Low
ADP-sugar pyrophosphatase	Nudt5	<i>Rattus norvegicus</i>	Low
Transcription initiation factor TFIID subunit 10	TAF10	<i>Homo sapiens</i>	Low
Zinc finger protein 473	ZNF473	<i>Homo sapiens</i>	Low
Salmo salar K1143 protein k1143, mRNA			Low
CKLF-like MARVEL transmembrane domain-containing protein 3	Cmtm3	<i>Mus musculus</i>	Low
Proteasome assembly chaperone 4	Psmg4	<i>Mus musculus</i>	Low



[BBH] CHIC1_MOUSE Q8CBW7 Cysteine-rich hydrophobic domain 1 protein	Chic1	<i>Mus musculus</i>	Low
Zinc finger protein 726	ZNF726	<i>Homo sapiens</i>	Low
[BBH] DCA10_DANRE Q6NWH1 DDB1- and CUL4-associated factor 10	dcaf10	<i>Danio rerio</i>	Low
UPF0708 protein C6orf162 homolog		<i>Pongo abelii</i>	Low
Small ubiquitin-related modifier 4	SUMO4	<i>Homo sapiens</i>	Low
Metastasis-associated protein MTA1	Mta1	<i>Mus musculus</i>	Low
[BBH] SENP8_RAT Q5FVJ8 Sentrin-specific protease 8	Senp8	<i>Rattus norvegicus</i>	Low
Probable protein BRICK1		<i>Mus musculus</i>	Low
Zinc finger and BTB domain-containing protein 17 Fragment	ZBTB17	<i>Gallus gallus</i>	Low
Salmo salar Spondin-2 spon2, mRNA			Low
[BBH] TIM13_DANRE Q6DGJ3 Mitochondrial import inner membrane translocase subunit Tim13	timm13	<i>Danio rerio</i>	Low
Ras-GEF domain-containing family member 1B-B	rasgef1bb	<i>Danio rerio</i>	Low
PolyADP-ribose glycohydrolase ARH3	adprh12	<i>Danio rerio</i>	Low
Troponin I, slow skeletal muscle	Tnni1	<i>Rattus norvegicus</i>	Low
Actin-related protein 2/3 complex subunit 4	Arpc4	<i>Mus musculus</i>	Low

Oncorhynchus mykiss Transcription initiation factor TFIID subunit 10 taf10, mRNA			Low
Tubulin delta chain	tubd1	<i>Xenopus tropicalis</i>	Low
Oncorhynchus mykiss interleukin 18 il-18, mRNA			Low
Gamma-secretase subunit PEN-2	psenen	<i>Danio rerio</i>	Low
Protein disulfide-isomerase A3	PDIA3	<i>Gallus gallus</i>	Low
Far upstream element-binding protein 3	FUBP3	<i>Homo sapiens</i>	Low
Probable protein BRICK1	zgc:86903	<i>Danio rerio</i>	Low
Probable ATP-dependent RNA helicase DDX49	DDX49	<i>Homo sapiens</i>	Low
UV excision repair protein RAD23 homolog B	Rad23b	<i>Rattus norvegicus</i>	Low
[BBH] TBCA_CHICK P80585 Tubulin-specific chaperone A	TBCA	<i>Gallus gallus</i>	Low
Protein phosphatase 1L	Ppm1l	<i>Mus musculus</i>	Low
Cohesin loading complex subunit SCC4 homolog	Kiaa0892	<i>Mus musculus</i>	Low
Pleiotrophic factor-beta-1		<i>Xenopus laevis</i>	Low
[BBH] RL7L_HUMAN Q6DKI1 60S ribosomal protein L7-like 1	RPL7L1	<i>Homo sapiens</i>	Low
Salmo salar Transcription factor HES-5 hes5, mRNA			Low
[BBH] PURB_DANRE Q6PHK6 Transcriptional activator protein Pur-beta	purb	<i>Danio rerio</i>	Low
Danio rerio connexin 43 cx43, mRNA			Low

UPF0688 protein C1orf174 homolog		<i>Xenopus laevis</i>	Low
[BBH] S17AA_XENLA Q3KQ35 Transcription factor Sox-17-alpha-A	sox17a-A	<i>Xenopus laevis</i>	Low
[BBH] CX039_DANRE Q6AXJ7 Uncharacterized protein CXorf39 homolog	zgc:101060	<i>Danio rerio</i>	Low
Mitochondrial import receptor subunit TOM6 homolog	TOMM6	<i>Bos taurus</i>	Low
Transmembrane protein 188	tmem188	<i>Xenopus tropicalis</i>	Low
Proteasome assembly chaperone 3	PSMG3	<i>Homo sapiens</i>	Low
glucose_transporter_1,			Low
Salmo salar 14-3-3 protein gamma-2 143g2, mRNA			Low
Transcription factor HES-5	Hes5	<i>Rattus norvegicus</i>	Low
DCN1-like protein 1	Dcun1d1	<i>Mus musculus</i>	Low
U6 snRNA-associated Sm-like protein LSm1	Lsm1	<i>Mus musculus</i>	Low
Ras-related protein Rab-26	Rab26	<i>Mus musculus</i>	Low
Angiopoietin-1	ANGPT1	<i>Sus scrofa</i>	Low
Protein TMED8	TMED8	<i>Homo sapiens</i>	Low
[BBH] RUSD4_DANRE Q6DBR0 RNA pseudouridylate synthase domain-containing protein 4	rpusd4	<i>Danio rerio</i>	Low
Salmo salar Gamma-glutamyltranspeptidase 1 ggt1, mRNA			Low

C-X-C chemokine receptor type 4-B	cxcr4-B	<i>Xenopus laevis</i>	Low
Non-histone chromosomal protein H6		<i>Oncorhynchus mykiss</i>	Low
28S ribosomal protein S6, mitochondrial	MRPS6	<i>Gallus gallus</i>	Low
Activator of 90 kDa heat shock protein ATPase homolog 1	Ahsa1	<i>Mus musculus</i>	Low
[BBH] CE035_HUMAN Q8NE22 Uncharacterized protein C5orf35	C5orf35	<i>Homo sapiens</i>	Low
Ubiquitin-like protein 4A	UBL4A	<i>Homo sapiens</i>	Low
SERTA domain-containing protein 2	Sertad2	<i>Mus musculus</i>	Low
Leucine-rich glioma-inactivated protein 1	Lgi1	<i>Rattus norvegicus</i>	Low
Salmo salar GTP-binding protein SAR1a sar1a, mRNA			Low
[BBH] RM32_MOUSE Q9DCI9 39S ribosomal protein L32, mitochondrial	Mrpl32	<i>Mus musculus</i>	Low
[BBH] GNAI2_CANFA P38400 Guanine nucleotide-binding protein Gi subunit alpha-2	GNAI2	<i>Canis familiaris</i>	Low
UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5A	b3gnt5a	<i>Danio rerio</i>	Low
Homeobox protein Hox-C5a	hoxc5a	<i>Takifugu rubripes</i>	Low
DNA repair protein XRCC3	Xrcc3	<i>Mus musculus</i>	Low
Transposable element Tcb1 transposase		<i>Caenorhabditis briggsae</i>	Low

Selenide, water dikinase 1	SEPHS1	<i>Pongo abelii</i>	Low
Dynein light chain Tctex-type 1	Dynlt1	<i>Mus musculus</i>	Low
BTB/POZ domain-containing protein 6-A	btbd6a	<i>Danio rerio</i>	Low
Salmo salar taurine transporter slc6a6, mRNA			Low
Ras-related protein Rab-7a	RAB7A	<i>Bos taurus</i>	Low
[BBH] CETN3_HUMAN O15182 Centrin-3	CETN3	<i>Homo sapiens</i>	Low
Chromatin modification-related protein MEAF6	meaf6	<i>Danio rerio</i>	Low
[BBH] PPIH_HUMAN O43447 Peptidyl-prolyl cis-trans isomerase H	PPIH	<i>Homo sapiens</i>	Low
Oncorhynchus mykiss YEE9 protein yee9, mRNA			Low
Replication factor C subunit 2	RFC2	<i>Homo sapiens</i>	Low
FUN14 domain-containing protein 1	fundc1	<i>Tetraodon nigroviridis</i>	Low
Q5RDE9	LEPROTL1	<i>Pongo abelii</i>	Low
Nucleophosmin	npm1	<i>Xenopus laevis</i>	Low
Salmo salar CB055 protein cb055, mRNA			Low
[BBH] NGLY1_DANRE Q50318 Peptide-N4-N-acetyl-beta-glucosaminylasparagine amidase	ngly1	<i>Danio rerio</i>	Low
Salmo salar Geranylgeranyl transferase type-2 subunit beta pgtb, mRNA			Low
UPF0308 protein C9orf21 homolog		<i>Takifugu rubripes</i>	Low

Centromere protein J	CENPJ	<i>Homo sapiens</i>	Low
[BBH] PM14_MOUSE P59708 Pre-mRNA branch site protein p14	Sf3b14	<i>Mus musculus</i>	Low
Peptidyl-prolyl cis-trans isomerase FKBP1A	FKBP1A	<i>Bos taurus</i>	Low
HAUS augmin-like complex subunit 2	HAUS2	<i>Homo sapiens</i>	Low
Prefoldin subunit 1	PFDN1	<i>Homo sapiens</i>	Low
Salmo salar Microtubule-associated protein RP/EB family member 3 mare3, mRNA			Low
PREDICTED: hypothetical protein [Danio rerio]			Low
Transcription initiation factor TFIID subunit 10	TAF10	<i>Homo sapiens</i>	Low
[BBH] EI2BA_BOVIN Q0IIF2 Translation initiation factor eIF-2B subunit alpha	EIF2B1	<i>Bos taurus</i>	Low
Salmo salar HCLS1-associated protein X-1 hax1, mRNA			Low
Oncorhynchus mykiss YEE9 protein yee9, mRNA			Low
[BBH] NUF2_DANRE Q7ZW63 Kinetochores protein Nuf2	nuf2	<i>Danio rerio</i>	Low
RNA-binding protein MEX3B	mex3b	<i>Xenopus laevis</i>	Low
Q9Y235 Probable C->U-editing enzyme APOBEC-2	APOBEC2	<i>Homo sapiens</i>	Low
cAMP-dependent protein kinase type II-alpha regulatory subunit	PRKAR2A	<i>Bos taurus</i>	Low

Probable signal peptidase complex subunit 2	spcs2	<i>Danio rerio</i>	Low
Transcription initiation factor TFIID subunit 10	Taf10	<i>Mus musculus</i>	Low
Oncorhynchus mykiss DCN1-like protein 1 dcnl1, mRNA			Low
hypothetical protein LOC792608 [Danio rerio]			Low
Centrin-1	CETN1	<i>Bos taurus</i>	Low
Protein mago nashi homolog		<i>Euphorbia lagascae</i>	Low
Survival motor neuron protein 1	smn1	<i>Danio rerio</i>	Low
[BBH] LGI1_MOUSE Q9JIA1 Leucine-rich glioma-inactivated protein 1	Lgi1	<i>Mus musculus</i>	Low
Cleavage stimulation factor subunit 1	CSTF1	<i>Pongo abelii</i>	Low
Proliferation-associated protein 2G4	Pa2g4	<i>Mus musculus</i>	Low
Immunoglobulin-binding protein 1	IGBP1	<i>Homo sapiens</i>	Low
Prefoldin subunit 5	PFDN5	<i>Bos taurus</i>	Low
[BBH] PAF_HUMAN Q15004 PCNA-associated factor	PAF	<i>Homo sapiens</i>	Low
Centromere protein K	Cenpk	<i>Mus musculus</i>	Low
U3 small nucleolar ribonucleoprotein protein IMP3	IMP3	<i>Homo sapiens</i>	Low
Proteasome subunit alpha type-7	psma7	<i>Carassius auratus</i>	Low
Histone H3-like centromeric protein A	cenpa	<i>Danio rerio</i>	Low

DnaJ homolog subfamily B member 6	DNAJB6	<i>Macaca fascicularis</i>	Low
Actin-related protein 2/3 complex subunit 4	Arpc4	<i>Mus musculus</i>	Low
Mediator of RNA polymerase II transcription subunit 10	med10	<i>Xenopus tropicalis</i>	Low
[BBH] HXA3A_TAKRU Q1KL12 Homeobox protein Hox-A3a	hoxa3a	<i>Takifugu rubripes</i>	Low
Metaxin-2	MTX2	<i>Sus scrofa</i>	Low
Ribonucleoside-diphosphate reductase subunit M2	rrm2	<i>Danio rerio</i>	Low
Thioredoxin domain-containing protein 9	Txndc9	<i>Rattus norvegicus</i>	Low
Translocon-associated protein subunit alpha	Ssr1	<i>Mus musculus</i>	Low
Phosducin-like protein 3	PDCL3	<i>Homo sapiens</i>	Low
UPF0631 protein C17orf108 homolog	zgc:193694	<i>Danio rerio</i>	Low
High affinity immunoglobulin epsilon receptor subunit gamma	FCER1G	<i>Cavia porcellus</i>	Low
Actin-like protein 6A	ACTL6A	<i>Macaca fascicularis</i>	Low
Ribonuclease H2 subunit C	RNASEH2C	<i>Homo sapiens</i>	Low
Salmo salar Endoplasmic reticulum-Golgi intermediate compartment protein 3 ergi3, mRNA			Low
26S proteasome non-ATPase regulatory subunit 6	PSMD6	<i>Homo sapiens</i>	Low
Metallophosphoesterase MPPED2	MPPED2	<i>Pongo abelii</i>	Low



Transmembrane emp24 domain-containing protein 10	TMED10	<i>Oryctolagus cuniculus</i>	Low
Salmo salar Cytokine receptor-like factor 3 crlf3, mRNA			Low
Homeobox protein Hox-A9b	hoxa9b	<i>Danio rerio</i>	Low
CDKN2AIP N-terminal-like protein	CDKN2AIPNL	<i>Bos taurus</i>	Low
Cyclin-dependent kinases regulatory subunit		<i>Patella vulgata</i>	Low
[BBH] DPY30_HUMAN Q9C005 Protein dpy-30 homolog	DPY30	<i>Homo sapiens</i>	Low
FUN14 domain-containing protein 1	fundc1	<i>Tetraodon nigroviridis</i>	Low
PRA1 family protein 2	PRAF2	<i>Homo sapiens</i>	Low
Protein mab-21-like 2	mab21l2	<i>Danio rerio</i>	Low
Immediate early response 3-interacting protein 1	ier3ip1	<i>Danio rerio</i>	Low
High mobility group protein B3	HMGB3	<i>Homo sapiens</i>	Low
[BBH] MMS19_HUMAN Q96T76 MMS19 nucleotide excision repair protein homolog	MMS19	<i>Homo sapiens</i>	Low
Nucleolar protein 16	nop16	<i>Danio rerio</i>	Low
Peptidyl-prolyl cis-trans isomerase-like 1	Ppil1	<i>Mus musculus</i>	Low
[BBH] TEBP_PONAB Q5NVM4 Prostaglandin E synthase 3	PTGES3	<i>Pongo abelii</i>	Low
39S ribosomal protein L37, mitochondrial	MRPL37	<i>Gallus gallus</i>	Low
Calponin-3	Cnn3	<i>Rattus norvegicus</i>	Low

[BBH] NB5R3_BOVIN P07514 NADH-cytochrome b5 reductase 3	CYB5R3	<i>Bos taurus</i>	Low
Small nuclear ribonucleoprotein E	snrpe	<i>Danio rerio</i>	Low
Salmo salar TNFAIP3-interacting protein 2 tnip2, mRNA			Low
[BBH] MD2L2_HUMAN Q9UI95 Mitotic spindle assembly checkpoint protein MAD2B	MAD2L2	<i>Homo sapiens</i>	Low
[BBH] RPB9_PIG P60899 DNA-directed RNA polymerase II subunit RPB9	POLR2I	<i>Sus scrofa</i>	Low
Proteasome subunit alpha type-1	PSMA1	<i>Homo sapiens</i>	Low
[BBH] PSME3_CHICK Q5F3J5 Proteasome activator complex subunit 3	PSME3	<i>Gallus gallus</i>	Low
Protein lin-37 homolog	Lin37	<i>Mus musculus</i>	Low
Rho-related GTP-binding protein RhoN	Rnd2	<i>Mus musculus</i>	Low
[BBH] ASB12_HUMAN Q8WXX4 Ankyrin repeat and SOCS box protein 12	ASB12	<i>Homo sapiens</i>	Low
[BBH] NOP10_DANRE Q6DRH5 H/ACA ribonucleoprotein complex subunit 3	nop10	<i>Danio rerio</i>	Low
[BBH] PIGH_MOUSE Q5M9N4 Phosphatidylinositol N-acetylglucosaminyltransferase subunit H	Pigh	<i>Mus musculus</i>	Low

[BBH] CEC1A_DANRE P58781 Adenosine deaminase CECR1-A	cecr1a	<i>Danio rerio</i>	Low
[BBH] RPB7_DANRE Q7ZW41 DNA-directed RNA polymerase II subunit RPB7	polr2g	<i>Danio rerio</i>	Low
Oncorhynchus mykiss Ubiquitin-conjugating enzyme E2 variant 2 ub2v2, mRNA			Low
Glucosamine-6-phosphate isomerase 2	Gnpda2	<i>Mus musculus</i>	Low
Protein FAM50A	fam50a	<i>Danio rerio</i>	Low
[BBH] ARPC4_MOUSE P59999 Actin-related protein 2/3 complex subunit 4	Arpc4	<i>Mus musculus</i>	Low
Small nuclear ribonucleoprotein E	SNRPE	<i>Sus scrofa</i>	Low
UPF0585 protein C16orf13 homolog A	zgc:56719	<i>Danio rerio</i>	Low
Salmo salar Guanine nucleotide-binding protein Gi, alpha-2 subunit gnai2, mRNA			Low
rRNA-processing protein FCF1 homolog	FCF1	<i>Pongo abelii</i>	Low
Danio rerio zgc:194768 zgc:194768, mRNA			Low
tRNA cytosine-5--methyltransferase	TRDMT1	<i>Homo sapiens</i>	Low
Signal peptidase complex catalytic subunit SEC11A	SEC11A	<i>Pongo abelii</i>	Low
Protein FADD	Fadd	<i>Mus musculus</i>	Low
[BBH] TSN_MOUSE Q62348 Translin	Tsn	<i>Mus musculus</i>	Low

Nuclease-sensitive element-binding protein 1	Ybx1	<i>Rattus norvegicus</i>	Low
UPF0500 protein C1orf216 homolog		<i>Xenopus tropicalis</i>	Low
Enhancer of rudimentary homolog	Erh	<i>Mus musculus</i>	Low
Salmo salar Membrane-spanning 4-domains subfamily A member 4A m4a4a, mRNA			Low
NA			Low
Cyclin-dependent kinases regulatory subunit 1	Cks1b	<i>Mus musculus</i>	Low
Oncorhynchus mykiss COMM domain-containing protein 7 comd7, mRNA			Low
Salmo salar Selenoprotein S sels, mRNA			Low
Transposable element Tcb1 transposase		<i>Caenorhabditis briggsae</i>	Low
[BBH] MSPD2_HUMAN Q8NHP6 Motile sperm domain-containing protein 2	MOSPD2	<i>Homo sapiens</i>	Low
Small ubiquitin-related modifier 2-A	sumo2-A	<i>Xenopus laevis</i>	Low
Serine/threonine-protein phosphatase 4 catalytic subunit A	ppp4ca	<i>Danio rerio</i>	Low
Phosphatidylinositol N-acetylglucosaminyltransferase subunit H	PIGH	<i>Homo sapiens</i>	Low
Diablo homolog, mitochondrial	Diablo	<i>Mus musculus</i>	Low
Ribonucleoside-diphosphate reductase subunit M2	rrm2	<i>Danio rerio</i>	Low

[BBH] AR2BP_DANRE Q7SYL1 ADP-ribosylation factor-like protein 2-binding protein	arl2bp	<i>Danio rerio</i>	Low
[BBH] RUXE_DANRE Q7ZUG0 Small nuclear ribonucleoprotein E	snrpe	<i>Danio rerio</i>	Low
PREDICTED: hypothetical protein [Gallus gallus]			Low
[BBH] NR2CA_DANRE Q1ED21 Nuclear receptor 2C2-associated protein	nr2c2ap	<i>Danio rerio</i>	Low
Oncorhynchus mykiss testis catalytic subunit of cyclic adenosine 3', 5'-monophosphate dependent protein kinase LOC100136597, mRNA			Low
[BBH] NOP16_TETNG Q4SQ06 Nucleolar protein 16 OS=Tetraodon nigroviridis GN=nop16 PE=3 SV=1			Low
Salmo salar B-cell CLL/lymphoma 7 protein family member B bcl7b, mRNA			Low
Protein mago nashi homolog	magoh	<i>Xenopus laevis</i>	Low
YTH domain-containing protein 2	YTHDC2	<i>Pongo abelii</i>	Low
[BBH] BTBDA_MOUSE Q80X66 BTB/POZ domain-containing protein 10	Btbd10	<i>Mus musculus</i>	Low
Zinc finger protein 32	ZNF32	<i>Homo sapiens</i>	Low
Zinc finger protein 227	ZNF227	<i>Homo sapiens</i>	Low
Salmo salar RMD5 homolog B rmd5b, mRNA			Low

Q7SYL1 ADP-ribosylation factor-like protein 2-binding protein	arl2bp	<i>Danio rerio</i>	Low
Ras-related protein Rab-8A	RAB8A	<i>Gallus gallus</i>	Low
CTP synthase 1	ctps	<i>Danio rerio</i>	Low
UPF0608 protein C19orf42	C19orf42	<i>Homo sapiens</i>	Low
Signal peptidase complex catalytic subunit SEC11A	SEC11A	<i>Pongo abelii</i>	Low
Salmo salar Integrator complex subunit 11 int11, mRNA			Low
Ankyrin repeat domain-containing protein 37	ANKRD37	<i>Homo sapiens</i>	Low
Salmo salar Grancalcin gran, mRNA			Low
[BBH] RA51C_HUMAN O43502 DNA repair protein RAD51 homolog 3	RAD51C	<i>Homo sapiens</i>	Low
Uncharacterized protein C1orf93 homolog	zgc:85644	<i>Danio rerio</i>	Low
Salmo salar Lathosterol oxidase sc5d, mRNA			Low
[BBH] IMP3_HUMAN Q9NV31 U3 small nucleolar ribonucleoprotein protein IMP3	IMP3	<i>Homo sapiens</i>	Low
Prostaglandin E synthase 3	PTGES3	<i>Pongo abelii</i>	Low
Mitogen-activated protein kinase scaffold protein 1	MAPKSP1	<i>Taeniopygia guttata</i>	Low
Prostaglandin E synthase 3 Fragment	PTGES3	<i>Gallus gallus</i>	Low
Salmo salar RER1 protein rer1, mRNA			Low

[BBH] FIS1_HUMAN Q9Y3D6 Mitochondrial fission 1 protein	FIS1	<i>Homo sapiens</i>	Low
Salmo salar HN1-like protein hn1l, mRNA			Low
Salmo salar 1-acyl-sn-glycerol-3-phosphate acyltransferase zeta plcf, mRNA			Low
60S acidic ribosomal protein P2	RPLP2	<i>Equus caballus</i>	Low
NA			Low
H/ACA ribonucleoprotein complex subunit 2-like protein	nhp2	<i>Danio rerio</i>	Low
NA			Low
[BBH] AHSA1_MOUSE Q8BK64 Activator of 90 kDa heat shock protein ATPase homolog 1	Ahsa1	<i>Mus musculus</i>	Low
Ubiquitin-conjugating enzyme E2 B	Ube2b	<i>Rattus norvegicus</i>	Low
ADP-ribosylation factor-like protein 2-binding protein	arl2bp	<i>Danio rerio</i>	Low
Tctex1 domain-containing protein 2	TCTEX1D2	<i>Bos taurus</i>	Low
[BBH] RPAB2_PONAB Q5R592 DNA-directed RNA polymerases I, II, and III subunit RPABC2	POLR2F	<i>Pongo abelii</i>	Low
Peptidyl-prolyl cis-trans isomerase H	PPIH	<i>Homo sapiens</i>	Low
Salmo salar CF166 protein cf166, mRNA			Low
[BBH] H2AV_XENTR Q5BJ65 Histone H2A.V	h2afv	<i>Xenopus tropicalis</i>	Low

Salmo salar Transposon TX1 149 kDa protein ytx2, mRNA			Low
Oncorhynchus mykiss calpain 1 catalytic subunit capn1, mRNA			Low
Coiled-coil domain-containing protein 43	ccdc43	<i>Danio rerio</i>	Low
Small ubiquitin-related modifier 3	Sumo3	<i>Rattus norvegicus</i>	Low
HD domain-containing protein 3	hddc3	<i>Danio rerio</i>	Low
Protein BTG1	Btg1	<i>Mus musculus</i>	Low
Monocarboxylate transporter 9	Slc16a9	<i>Mus musculus</i>	Low
[BBH] BOLA3_MOUSE Q8CEI1 Bola-like protein 3	Bola3	<i>Mus musculus</i>	Low
hypothetical protein LOC558400 [Danio rerio]			Low
Cyclin-dependent kinases regulatory subunit 2	cks2	<i>Xenopus laevis</i>	Low
Bola-like protein 3	BOLA3	<i>Bos taurus</i>	Low
Cyclin-dependent kinases regulatory subunit 2	cks2	<i>Xenopus laevis</i>	Low
Methyltransferase-like protein 9	METTL9	<i>Homo sapiens</i>	Low
Ras-related protein Ral-B	RALB	<i>Pongo abelii</i>	Low
[BBH] TM111_DANRE Q7SXW4 Transmembrane protein 111	tmem111	<i>Danio rerio</i>	Low
[BBH] MANBL_HUMAN Q9NQG1 Protein MANBAL	MANBAL	<i>Homo sapiens</i>	Low
Glucose 1,6-bisphosphate synthase	Pgm211	<i>Mus musculus</i>	Low



Oncorhynchus mykiss Charged multivesicular body protein 3 chmp3, mRNA			Low
UPF0485 protein C1orf144 homolog	zgc:109926	<i>Danio rerio</i>	Low
PREDICTED: THAP domain containing, apoptosis associated protein 2-like [Danio rerio]			Low
[BBH] CQ095_XENLA Q6DJF8 UPF0563 protein C17orf95 homolog		<i>Xenopus laevis</i>	Low
Salmo salar FK506-binding protein 1A fkb1a, mRNA			Low
[BBH] IR3IP_XENLA Q3B8G7 Immediate early response 3- interacting protein 1	ier3ip1	<i>Xenopus laevis</i>	Low
Ovarian cancer-associated gene 2 protein homolog	ovca2	<i>Danio rerio</i>	Low
60S ribosomal protein L10	RPL10	<i>Ovis aries</i>	Low
Uncharacterized protein C1orf43 homolog		<i>Bos taurus</i>	Low
Transcription factor E2F4	E2F4	<i>Homo sapiens</i>	Low
Probable ATP-dependent RNA helicase DDX47	Ddx47	<i>Mus musculus</i>	Low
CWF19-like protein 1	cwf19l1	<i>Danio rerio</i>	Low
Cyclin-dependent kinases regulatory subunit 1	Cks1b	<i>Mus musculus</i>	Low
[BBH] COPZ2_HUMAN Q9P299 Coatomer subunit zeta-2	COPZ2	<i>Homo sapiens</i>	Low

[BBH] WNT16_BOVIN Q5E9U6 Protein Wnt-16	WNT16	<i>Bos taurus</i>	Low
Homeobox protein Hox-C11a	hoxc11a	<i>Takifugu rubripes</i>	Low
14-3-3 protein zeta	YWHAZ	<i>Gallus gallus</i>	Low
Cytidine deaminase	CDA	<i>Homo sapiens</i>	Low
Oncorhynchus mykiss Small ubiquitin-related modifier 1 sumo1, mRNA			Low
KH domain-containing, RNA-binding, signal transduction-associated protein 1	KHDRBS1	<i>Gallus gallus</i>	Low
NA			Low
[BBH] HSB11_HUMAN Q9Y547 Heat shock protein beta-11	HSPB11	<i>Homo sapiens</i>	Low
ATP synthase lipid-binding protein, mitochondrial	Atp5g3	<i>Mus musculus</i>	Low
[BBH] RECO_CANFA Q8MIH6 Recoverin	RCVRN	<i>Canis familiaris</i>	Low
Protein Igg-1	Igg-1	<i>Caenorhabditis elegans</i>	Low
Salmo salar CT027 protein ct027, mRNA			Low
Adiponectin	Adipoq	<i>Mus musculus</i>	Low

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