

Supplementary Table 2a. Upregulated genes in transgenic males after ASIP overexpression

Gene ID	logFC	P-value	FDR	Gene name	Gene description
ENSDARG00000026505	11,76	8,20E-72	7,39E-68	<i>si:ch211-285c6.3</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8S0I9]; Protein kinase domain-containing protein
ENSDARG000000074345	5,44	2,25E-67	1,35E-63	<i>si:ch211-214b16.4</i>	Si:ch211-214b16.4 [Uniprot/SPTREMBL Acc. A0A0R4IPY5]; Si:ch211-214b16.4 [Uniprot/SPTREMBL Acc. F1Q5P9]
ENSDARG000000098174	6,84	3,88E-63	1,40E-59	<i>CABZ01088274.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2L3J0]
ENSDARG000000067661	10,88	4,04E-52	7,29E-49	<i>ftt80</i>	FinTRIM family, member 80 [Uniprot/SPTREMBL Acc. E7FDZ1]
ENSDARG000000097223	10,70	8,48E-51	1,18E-47	<i>CR925728.2</i>	
ENSDARG000000104134	5,35	9,31E-48	1,12E-44	<i>BX323793.1</i>	PLCXc domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QD68]
ENSDARG000000077571	8,67	3,50E-46	3,72E-43	<i>zgc:174862</i>	AIG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QBQ2]; Zgc:174862 [Uniprot/SPTREMBL Acc. B0JZL1]
ENSDARG000000032532	3,47	5,81E-39	4,19E-36	<i>arpp19a</i>	cAMP-regulated phosphoprotein 19a [Uniprot/SPTREMBL Acc. Q6PFV1]
ENSDARG000000089302	10,33	6,59E-39	4,57E-36	<i>hnnpa0a</i>	Heterogeneous nuclear ribonucleoprotein A0a [Uniprot/SPTREMBL Acc. F1QS28]
ENSDARG000000116986	5,21	5,09E-38	3,40E-35	<i>zgc:172315</i>	Zgc:172315 [Uniprot/SPTREMBL Acc. A0A2R9YJM2]; UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. F1QCF6]
ENSDARG000000086877	3,30	8,76E-38	5,64E-35	<i>mhc1zda</i>	
ENSDARG000000095040	6,21	9,65E-37	5,61E-34	<i>cbln7</i>	
ENSDARG000000105465	6,09	7,30E-36	3,87E-33	<i>BX005228.2</i>	
ENSDARG000000100865	3,60	1,41E-35	7,06E-33	<i>si:dkey-269o24.1</i>	Si:dkey-269o24.1 [Uniprot/SPTREMBL Acc. A0A0R4IFH2]
ENSDARG000000088515	2,94	8,82E-34	4,18E-31	<i>st6gal2b</i>	Alpha-2,6-sialyltransferase ST6Gal IIB [Uniprot/SPTREMBL Acc. D2U4T9]; ST6 beta-galactosamide alpha-2,6-sialyltransferase 2b
ENSDARG000000101800	7,16	1,14E-33	5,29E-31	<i>CABZ01088271.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2L1G9]
ENSDARG000000043443	6,49	2,70E-31	1,16E-28	<i>kcnj13</i>	Inwardly rectifying potassium channel 7.1 [Uniprot/SPTREMBL Acc. Q0KIZ7]
ENSDARG000000001470	3,30	4,66E-31	1,95E-28	<i>mhc1zea</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IW1]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IW1]
ENSDARG000000095082	7,62	8,42E-31	3,45E-28	<i>si:ch211-194p6.12</i>	
ENSDARG000000093877	3,80	6,37E-30	2,55E-27	<i>si:zfcs-2330d3.7</i>	Fibrinogen C-terminal domain-containing protein [Uniprot/SPTREMBL Acc. R4GEQ7]
ENSDARG000000090086	3,60	7,14E-30	2,80E-27	<i>rab11bb</i>	RAB11B, member RAS oncogene family, b [Uniprot/SPTREMBL Acc. A0A0R4IU96]; RAB11B, member RAS oncogene family, b
ENSDARG000000077862	7,61	8,13E-29	3,12E-26	<i>si:dkey-169i5.4</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A5PMQ7]
ENSDARG000000087532	4,42	2,27E-27	8,03E-25	<i>si:ch211-278p9.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IAB2]; B30.2/SPRY domain-containing protein
ENSDARG000000076055	4,39	4,37E-26	1,43E-23	<i>rpgr1</i>	RPGR-interacting protein 1 [Uniprot/SPTREMBL Acc. A0A286Y8M8]; RPGR-interacting protein 1 [Uniprot/SPTREMBL Acc. A0A286Y8M8]
ENSDARG000000058179	6,57	7,67E-25	2,47E-22	<i>ackr3b</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. A4IG54]
ENSDARG000000109390	8,76	1,81E-24	5,51E-22	<i>si:ch211-66i15.5</i>	Si:ch211-66i15.5 [Uniprot/SPTREMBL Acc. A0A0R4IXV3]; Si:ch211-66i15.5 [Uniprot/SPTREMBL Acc. A0A2R8QV94]
ENSDARG000000113458	4,19	9,32E-24	2,71E-21	<i>CABZ01058333.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8PVX3]
ENSDARG000000088836	3,04	4,06E-22	1,08E-19	<i>si:ch211-76m11.5</i>	Si:ch211-76m11.5 [Uniprot/SPTREMBL Acc. A0A0R4IE81]; Si:ch211-76m11.5 [Uniprot/SPTREMBL Acc. A0A0R4IKX2]; FISNA
ENSDARG000000097414	4,84	3,15E-21	8,23E-19	<i>si:ch211-106e7.2</i>	
ENSDARG000000014969	2,92	1,40E-20	3,50E-18	<i>ankhb</i>	Progressive ankylosis protein homolog B [Uniprot/SWISSPROT Acc. P58368]
ENSDARG000000062943	8,84	2,51E-20	6,19E-18	<i>taco1</i>	Translational activator of mitochondrially encoded cytochrome c oxidase I [Uniprot/SPTREMBL Acc. F1QP29]
ENSDARG000000090869	8,19	3,72E-20	9,05E-18	<i>FO904898.4</i>	
ENSDARG000000095609	8,19	3,04E-18	6,53E-16	<i>ftt60</i>	
ENSDARG000000097770	8,77	5,31E-18	1,13E-15	<i>si:ch211-167j9.4</i>	
ENSDARG000000089079	2,39	1,08E-17	2,25E-15	<i>si:ch211-214b16.3</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QRP0]; NACHT domain-containing protein
ENSDARG000000096655	3,32	2,59E-17	5,31E-15	<i>BX901920.1</i>	
ENSDARG000000068283	3,76	2,75E-17	5,57E-15	<i>cyp2x10.2</i>	Cytochrome P450, family 2, subfamily X, polypeptide 10.2 [Uniprot/SPTREMBL Acc. A0A1L1QZG6]; Cytochrome P450 CYP2X10
ENSDARG000000068637	2,97	3,13E-17	6,27E-15	<i>si:ch211-281i24.3</i>	Si:ch211-281i24.3 [Uniprot/SPTREMBL Acc. E7FBQ2]
ENSDARG000000099698	2,24	3,69E-17	7,31E-15	<i>BX548059.1</i>	
ENSDARG000000077252	7,92	5,07E-17	9,93E-15	<i>si:rp71-36a1.5</i>	
ENSDARG000000074663	2,35	7,63E-17	1,48E-14	<i>zgc:162183</i>	SAM domain-containing protein [Uniprot/SPTREMBL Acc. A4QNV5]
ENSDARG000000093517	7,78	8,71E-17	1,67E-14	<i>BX323812.2</i>	
ENSDARG000000029497	2,34	3,36E-16	6,37E-14	<i>tfcp2l1</i>	Transcription factor CP2-like 1 [Uniprot/SPTREMBL Acc. E9QJE0]; Transcription factor CP2-like 1 [Uniprot/SPTREMBL Acc. E9QJE0]
ENSDARG000000044514	3,94	6,19E-16	1,16E-13	<i>st6gal1</i>	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 [Uniprot/SPTREMBL Acc. E9QIA5]; ST6 beta-galactosamide alpha-2,6-
ENSDARG000000095940	7,67	7,13E-16	1,32E-13	<i>si:dkey-19a16.12</i>	Si:dkey-19a16.12 [Uniprot/SPTREMBL Acc. F8W4Y7]
ENSDARG000000042114	4,67	9,64E-16	1,77E-13	<i>bin1a</i>	Bridging integrator 1a [Uniprot/SPTREMBL Acc. A0A0R4IN54]; Bridging integrator 1a [Uniprot/SPTREMBL Acc. E7FD40]; BAR

ENSDARG000000104185	3,19	1,03E-15	1,88E-13	<i>AL831726.2</i>	
ENSDARG000000099180	5,61	2,94E-15	5,10E-13	<i>CR927050.1</i>	
ENSDARG000000045360	2,97	2,94E-15	5,10E-13	<i>flj11011l</i>	
ENSDARG000000103947	5,44	3,86E-15	6,56E-13	<i>zgc:113295</i>	Zgc:113295 [Uniprot/SPTREMBL Acc. A0A0R4IBB2]; Zgc:113295 [Uniprot/SPTREMBL Acc. F1QYA1]
ENSDARG000000098803	4,84	6,86E-15	1,15E-12	<i>cyp2aa4</i>	Cytochrome P450, family 2, subfamily AA, polypeptide 4 [Uniprot/SPTREMBL Acc. A0A0R4II65]
ENSDARG000000017047	1,95	7,75E-15	1,28E-12	<i>slc27a4</i>	Solute carrier family 27 member 4 [Uniprot/SPTREMBL Acc. F1QLZ8]
ENSDARG000000095512	2,35	8,36E-15	1,37E-12	<i>rca2.2</i>	Regulator of complement activation group 2 gene 2 [Uniprot/SPTREMBL Acc. A0A2R8QMP2]
ENSDARG000000036876	2,33	1,65E-14	2,60E-12	<i>zgc:153284</i>	
ENSDARG000000110614	7,79	2,39E-14	3,74E-12	<i>ugt2a7</i>	UDP glucuronosyltransferase 2 family, polypeptide A7 [Uniprot/SPTREMBL Acc. E7F025]
ENSDARG000000013649	3,16	2,48E-14	3,85E-12	<i>casr</i>	G_PROTEIN_RECEP_F3_4 domain-containing protein [Uniprot/SPTREMBL Acc. F1R4B8]
ENSDARG000000094316	2,45	3,20E-14	4,84E-12	<i>si:rp71-80o10.4</i>	Si:rp71-80o10.4 [Uniprot/SPTREMBL Acc. E9QD22]
ENSDARG000000094312	6,01	3,30E-14	4,93E-12	<i>ndufa9b</i>	NmrA domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RUA9]; NmrA domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000008858	2,49	1,42E-13	2,03E-11	<i>cyp7b1</i>	Cytochrome P450, family 7, subfamily B, polypeptide 1 [Uniprot/SPTREMBL Acc. E7FEI0]
ENSDARG000000102593	7,79	1,55E-13	2,20E-11	<i>si:ch211-214b16.2</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IPW1]
ENSDARG000000004498	6,01	2,45E-13	3,45E-11	<i>xkr8.1</i>	XK-related protein [Uniprot/SPTREMBL Acc. E7F2E5]
ENSDARG000000095113	2,39	4,64E-13	6,39E-11	<i>btr04</i>	Bloodthirsty-related gene family, member 4 [Uniprot/SPTREMBL Acc. A0A0R4IIL0]; Bloodthirsty-related gene family, member 4
ENSDARG000000079664	3,29	7,86E-13	1,06E-10	<i>zgc:172341</i>	DAO domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IZE6]; DAO domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000008203	7,50	8,32E-13	1,11E-10	<i>pax1a</i>	Paired domain-containing protein [Uniprot/SPTREMBL Acc. E9QBN7]; Paired domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000058873	3,06	8,94E-13	1,18E-10	<i>ptpdc1b</i>	TYR_PHOSPHATASE_2 domain-containing protein [Uniprot/SPTREMBL Acc. E7FBM8]
ENSDARG000000063011	2,24	1,18E-12	1,54E-10	<i>antxr2b</i>	Anthrax toxin receptor [Uniprot/SPTREMBL Acc. E9QGV2]
ENSDARG000000094206	6,82	1,32E-12	1,69E-10	<i>si:ch73-191k20.3</i>	
ENSDARG000000052497	2,60	1,32E-12	1,69E-10	<i>zgc:110789</i>	Zgc:110789 [Uniprot/SPTREMBL Acc. B8JIT8]
ENSDARG000000056627	2,65	2,18E-12	2,75E-10	<i>cxcl14</i>	Chemokine (C-X-C motif) ligand 14 [Uniprot/SPTREMBL Acc. F1QG12]
ENSDARG000000097693	1,93	2,50E-12	3,11E-10	<i>si:ch211-248a14.8</i>	Si:ch211-248a14.8 [Uniprot/SPTREMBL Acc. A0A2R8RVI3]; Si:ch211-248a14.8 [Uniprot/SPTREMBL Acc. X1WDL4]; Si:ch211-
ENSDARG000000089142	2,37	3,46E-12	4,24E-10	<i>zgc:113119</i>	Zgc:113119 [Uniprot/SPTREMBL Acc. F1QMQ9]
ENSDARG000000078136	2,98	3,75E-12	4,56E-10	<i>wdr47a</i>	
ENSDARG000000079286	1,71	4,33E-12	5,24E-10	<i>bcr</i>	BCR activator of RhoGEF and GTPase [Uniprot/SPTREMBL Acc. A0A2R8Q802]; BCR activator of RhoGEF and GTPase
ENSDARG000000078760	4,93	4,60E-12	5,52E-10	<i>cacna2d3</i>	VWFA domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4ITD1]; VWFA domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000011312	1,59	5,68E-12	6,78E-10	<i>stk3</i>	Non-specific serine/threonine protein kinase [Uniprot/SPTREMBL Acc. B2GP54]; Serine/threonine-protein kinase 3
ENSDARG000000095448	1,89	7,01E-12	8,31E-10	<i>ftt30</i>	FinTRIM family, member 30 [Uniprot/SPTREMBL Acc. A0A2R8Q1D8]; FinTRIM family, member 30 [Uniprot/SPTREMBL
ENSDARG0000000116246	5,87	7,23E-12	8,51E-10	<i>ccs</i>	HMA domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IHZ8]
ENSDARG000000079986	2,12	7,85E-12	9,13E-10	<i>BX927329.1</i>	
ENSDARG000000089418	3,76	1,02E-11	1,17E-09	<i>si:dkey-164f24.2</i>	
ENSDARG0000000113546	3,32	1,31E-11	1,48E-09	<i>CU571382.5</i>	
ENSDARG000000002644	2,01	1,87E-11	2,07E-09	<i>rgs5a</i>	
ENSDARG0000000110510	5,03	2,19E-11	2,41E-09	<i>ybey</i>	YbeY metalloendoribonuclease [Uniprot/SPTREMBL Acc. A0A2R8QTM9]; YbeY metalloendoribonuclease [Uniprot/SPTREMBL
ENSDARG0000000101695	1,90	2,25E-11	2,46E-09	<i>si:dkey-26m3.3</i>	Si:dkey-26m3.3 [Uniprot/SPTREMBL Acc. A0A0R4II92]; NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IJE7];
ENSDARG0000000100184	2,31	3,18E-11	3,37E-09	<i>ly97.2</i>	UPAR/Ly6 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L893]
ENSDARG000000058459	2,35	3,78E-11	3,96E-09	<i>plekhg2</i>	Pleckstrin homology domain-containing, family G (with RhoGef domain) member 2 [Uniprot/SPTREMBL Acc. A0A0R4IV58];
ENSDARG000000074506	1,61	4,67E-11	4,83E-09	<i>tmem94</i>	Cation_ATPase_C domain-containing protein [Uniprot/SPTREMBL Acc. E7F2Y4]; Cation_ATPase_C domain-containing protein
ENSDARG0000000103692	8,90	7,28E-11	7,46E-09	<i>p4ha3</i>	Procollagen-proline 4-dioxygenase [Uniprot/SPTREMBL Acc. A0A0R4IU86]; Procollagen-proline 4-dioxygenase [Uniprot/SPTREMBL
ENSDARG0000000115781	6,89	8,34E-11	8,50E-09	<i>CR339041.3</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QQR6]
ENSDARG000000091212	1,68	8,74E-11	8,85E-09	<i>si:dkey-192p21.6</i>	Si:dkey-192p21.6 [Uniprot/SPTREMBL Acc. A8E7C4]; Si:dkey-192p21.6 [Uniprot/SPTREMBL Acc. B8A5U9]
ENSDARG000000087297	2,73	1,01E-10	1,01E-08	<i>si:dkey-152b24.8</i>	PLCXc domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QRJ0]; PLCXc domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000027192	7,15	1,07E-10	1,07E-08	<i>hcn3</i>	Cyclic nucleotide-binding domain-containing protein [Uniprot/SPTREMBL Acc. F6NQL8]
ENSDARG000000013063	2,50	1,23E-10	1,21E-08	<i>oxct1a</i>	Succinyl-CoA:3-ketoacid-coenzyme A transferase [Uniprot/SPTREMBL Acc. A0A0R4IJ61]; 3-oxoacid CoA transferase 1a
ENSDARG000000063636	1,60	1,26E-10	1,23E-08	<i>galnt11</i>	Polypeptide N-acetylgalactosaminyltransferase [Uniprot/SPTREMBL Acc. F1R7M5]
ENSDARG000000096690	3,64	1,39E-10	1,35E-08	<i>CR376838.1</i>	
ENSDARG0000000105071	1,85	1,40E-10	1,36E-08	<i>nos1apa</i>	PID domain-containing protein [Uniprot/SPTREMBL Acc. F1QJJ2]; PID domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000099395	2,32	1,62E-10	1,56E-08	<i>cables1</i>	Cdk5 and Abl enzyme substrate 1 [Uniprot/SPTREMBL Acc. A0A0J9YJD1]; Cyclin N-terminal domain-containing protein

ENSDARG00000117375	2,83	1,73E-10	1,66E-08	<i>BX005399.13</i>	
ENSDARG00000097700	2,28	2,07E-10	1,97E-08	<i>si:dkey-23k10.2</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. X1WE09]
ENSDARG000000105464	3,13	2,83E-10	2,65E-08	<i>si:ch211-285c6.6</i>	Si:ch211-285c6.6 [Uniprot/SPTREMBL Acc. A0A140LFU2]
ENSDARG000000052411	5,18	4,02E-10	3,68E-08	<i>si:dkey-71l1.1</i>	
ENSDARG00000013613	2,00	5,55E-10	5,03E-08	<i>anxa13l</i>	Annexin A13,-like [Uniprot/SPTREMBL Acc. A8E7K8]; Annexin A13,-like [Uniprot/SPTREMBL Acc. A8E7K9]; Annexin
ENSDARG000000051940	1,65	6,46E-10	5,82E-08	<i>ugt2a4</i>	UDP glucuronosyltransferase 2 family, polypeptide A4 [Uniprot/SPTREMBL Acc. A0A2R8Q577]; UDP glucuronosyltransferase 2
ENSDARG000000045522	1,93	6,70E-10	6,00E-08	<i>acot15</i>	Acyl-CoA thioesterase 15 [Uniprot/SPTREMBL Acc. Q5RHG5]
ENSDARG00000094287	7,31	7,87E-10	6,99E-08	<i>CT997819.3</i>	
ENSDARG00000014674	1,38	8,40E-10	7,39E-08	<i>acsl3b</i>	
ENSDARG000000092137	6,74	8,65E-10	7,56E-08	<i>si:dkey-4i23.5</i>	Acyl-CoA synthetase long chain family member 3b [Uniprot/SPTREMBL Acc. B0S5C4]
ENSDARG000000100941	2,23	8,81E-10	7,63E-08	<i>clca1</i>	
ENSDARG000000102992	1,71	9,17E-10	7,87E-08	<i>btr20</i>	VWFA domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IRF2]; VWFA domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000109235	7,48	9,50E-10	8,11E-08	<i>CABZ01103862.1</i>	Bloodthirsty-related gene family, member 20 [Uniprot/SPTREMBL Acc. A0A0R4IUT0]
ENSDARG000000038901	1,46	9,75E-10	8,29E-08	<i>tmem256</i>	
ENSDARG00000003269	1,72	1,03E-09	8,71E-08	<i>clcn3</i>	Transmembrane protein 256 [Uniprot/SPTREMBL Acc. F1QF26]
ENSDARG000000103978	1,81	1,08E-09	9,01E-08	<i>sh3bp5b</i>	Chloride channel protein [Uniprot/SPTREMBL Acc. A0A140LGR0]; Chloride channel 3 [Uniprot/SPTREMBL Acc. A0A140LGR7];
ENSDARG000000090167	6,88	1,19E-09	9,84E-08	<i>FO904898.1</i>	SH3-domain-binding protein 5b (BTK-associated) [Uniprot/SPTREMBL Acc. A0A0R4IGN6]
ENSDARG000000096419	1,98	1,43E-09	1,18E-07	<i>CU659670.1</i>	
ENSDARG000000055523	3,72	1,50E-09	1,23E-07	<i>slc22a6l</i>	
ENSDARG000000070845	6,82	1,85E-09	1,50E-07	<i>si:dkey-56d12.4</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. E9QE28]; MFS domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000034181	2,23	2,21E-09	1,77E-07	<i>esr2b</i>	THAP-type domain-containing protein [Uniprot/SPTREMBL Acc. A4QN70]
ENSDARG000000102421	1,40	2,39E-09	1,90E-07	<i>acp7</i>	Estrogen receptor 2b [Uniprot/SPTREMBL Acc. B8JL3]; Estrogen receptor 2b [Uniprot/SPTREMBL Acc. B8JL4]
ENSDARG000000117571	6,51	2,50E-09	1,98E-07	<i>BX927329.2</i>	Purple acid phosphatase [Uniprot/SPTREMBL Acc. A0A0R4IZ62]
ENSDARG000000104716	1,56	2,57E-09	2,03E-07	<i>zgc:91849</i>	
ENSDARG000000078519	4,20	2,69E-09	2,09E-07	<i>si:ch73-256j6.4</i>	Zgc:91849 [Uniprot/SPTREMBL Acc. F1QE9]
ENSDARG000000088301	2,85	2,78E-09	2,15E-07	<i>si:dkey-254e13.6</i>	Si:ch73-256j6.4 [Uniprot/SPTREMBL Acc. A0A2R8QLV7]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F1QFI0]
ENSDARG000000068247	4,03	2,90E-09	2,24E-07	<i>luzp2</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IQH3]; Si:dkey-254e13.6 [Uniprot/SPTREMBL Acc. F6PA60]
ENSDARG000000027355	3,31	3,24E-09	2,48E-07	<i>slc25a4</i>	Leucine zipper protein 2 [Uniprot/SWISSPROT Acc. A5D8S1]
ENSDARG000000031587	1,67	3,60E-09	2,74E-07	<i>flvcr1</i>	Solute carrier family 25 (Mitochondrial carrier adenine nucleotide translocator), member 4 [Uniprot/SPTREMBL Acc. Q6NX10]
ENSDARG000000027584	2,16	3,73E-09	2,82E-07	<i>tpa</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. Q5RGT2]
ENSDARG000000103456	2,58	4,28E-09	3,21E-07	<i>cyp2aa11</i>	CRAL_TRIO_N domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4ITM7]; CRAL-TRIO domain-containing protein
ENSDARG000000035273	2,81	4,78E-09	3,56E-07	<i>tmtc2b</i>	Cytochrome P450, family 2, subfamily AA, polypeptide 11 [Uniprot/SPTREMBL Acc. A0A0R4IAZ0]; Cytochrome P450, family 2,
ENSDARG000000055835	2,01	5,31E-09	3,94E-07	<i>slc26a6</i>	Dolichyl-phosphate-mannose--protein mannosyltransferase [Uniprot/SPTREMBL Acc. F1R794]
ENSDARG000000116574	2,21	5,41E-09	4,00E-07	<i>si:dkey-28k24.2</i>	STAS domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RSH7]; STAS domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000062667	4,75	6,43E-09	4,71E-07	<i>mpp3b</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. F1R0T2]
ENSDARG000000092398	4,62	6,82E-09	4,97E-07	<i>BX936320.1</i>	
ENSDARG000000102378	2,59	7,53E-09	5,47E-07	<i>CABZ01003056.1</i>	
ENSDARG000000059498	3,03	8,26E-09	5,98E-07	<i>arl16</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q717]
ENSDARG000000045150	1,53	1,03E-08	7,42E-07	<i>csnk1e</i>	ADP-ribosylation factor-like 16 [Uniprot/SPTREMBL Acc. F1QAH7]
ENSDARG000000062087	1,27	1,20E-08	8,54E-07	<i>nche1b.1</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. Q6P109]
ENSDARG000000099154	1,36	1,27E-08	8,88E-07	<i>CABZ01032488.1</i>	Neutral cholesterol ester hydrolase 1b, tandem duplicate 1 [Uniprot/SPTREMBL Acc. F1Q8P9]
ENSDARG000000042637	1,53	1,30E-08	9,05E-07	<i>tert</i>	Aldedh domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KZR6]
ENSDARG000000097247	4,83	1,44E-08	9,93E-07	<i>BX322555.3</i>	Telomerase reverse transcriptase [Uniprot/SPTREMBL Acc. F1QE52]; Telomerase reverse transcriptase [Uniprot/SPTREMBL Acc.
ENSDARG000000094085	3,15	1,56E-08	1,07E-06	<i>CR759846.1</i>	
ENSDARG000000054666	1,41	1,64E-08	1,12E-06	<i>pgpep1</i>	Pyroglutamyl-peptidase I [Uniprot/SPTREMBL Acc. Q504F8]
ENSDARG000000070914	2,63	1,68E-08	1,14E-06	<i>dup6</i>	Dual specificity protein phosphatase [Uniprot/SPTREMBL Acc. Q7T2L8]
ENSDARG000000097976	6,61	2,25E-08	1,50E-06	<i>CR812464.1</i>	
ENSDARG000000000068	1,91	2,46E-08	1,64E-06	<i>slc9a3r1a</i>	Na(+)/H(+) exchange regulatory cofactor NHE-RF [Uniprot/SPTREMBL Acc. Q6P2U7]
ENSDARG000000094974	2,05	2,65E-08	1,76E-06	<i>BX530068.1</i>	
ENSDARG000000035879	1,31	3,09E-08	2,03E-06	<i>fuca1.2</i>	Alpha-L-fucosidase [Uniprot/SPTREMBL Acc. Q1LUJ4]

ENSDARG00000089853	4,09	3,97E-08	2,58E-06	<i>si:dkey-22n8.3</i>	ATP synthase peripheral stalk subunit F6 [Uniprot/SPTREMBL Acc. E7F968]; ATP synthase peripheral stalk subunit F6
ENSDARG000000109262	4,98	4,17E-08	2,68E-06	<i>CU928131.1</i>	
ENSDARG000000088656	2,12	4,18E-08	2,68E-06	<i>si:ch211-212k18.6</i>	
ENSDARG000000007743	1,78	5,65E-08	3,60E-06	<i>il15l</i>	Interleukin [Uniprot/SPTREMBL Acc. A0A0R4IKC3]; Interleukin 15,-like [Uniprot/SPTREMBL Acc. F1QRP5]; Interleukin
ENSDARG000000078541	1,43	5,96E-08	3,77E-06	<i>cers3a</i>	Ceramide synthase 3a [Uniprot/SPTREMBL Acc. A0A140LFW4]; TLC domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000102724	1,63	6,89E-08	4,28E-06	<i>zgc:153039</i>	AA_permease domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IRQ7]; Zgc:153039 [Uniprot/SPTREMBL Acc.
ENSDARG000000104139	2,30	6,97E-08	4,30E-06	<i>atp1a3b</i>	Cation_ATPase_N domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IK21]; Sodium/potassium-transporting ATPase
ENSDARG00000019357	3,21	7,52E-08	4,61E-06	<i>fabp1a</i>	Fatty acid binding protein 1-A, liver [Uniprot/SWISSPROT Acc. Q1AMT3]
ENSDARG000000071345	1,31	7,64E-08	4,67E-06	<i>mgst2</i>	Microsomal glutathione S-transferase 2 [Uniprot/SPTREMBL Acc. E9QJ92]; Microsomal glutathione S-transferase 2
ENSDARG000000110173	4,11	7,82E-08	4,73E-06	<i>BX323861.3</i>	VLIG-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QB90]; VLIG-type G domain-containing protein
ENSDARG000000099045	2,17	7,80E-08	4,73E-06	<i>cacnb2a</i>	Calcium channel voltage-dependent subunit beta 2 [Uniprot/SPTREMBL Acc. A0A0R4IFE8]; Calcium channel voltage-dependent
ENSDARG000000102575	2,19	8,80E-08	5,27E-06	<i>si:ch211-106j21.2</i>	Si:ch211-106j21.2 [Uniprot/SPTREMBL Acc. A0A0R4IUE8]; NACHT domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000078725	1,44	9,01E-08	5,37E-06	<i>nos1apa</i>	Nitric oxide synthase 1 (neuronal) adaptor protein a [Uniprot/SPTREMBL Acc. A0A0R4I9M1]
ENSDARG000000026149	1,50	1,00E-07	5,89E-06	<i>slc46a1</i>	Proton-coupled folate transporter [Uniprot/SPTREMBL Acc. F1QNN7]
ENSDARG000000029105	1,50	1,08E-07	6,26E-06	<i>ftr51</i>	B box-type domain-containing protein [Uniprot/SPTREMBL Acc. A0A1L1QZE8]; FinTRIM family, member 51 [Uniprot/SPTREMBL
ENSDARG000000117379	3,85	1,11E-07	6,42E-06	<i>CABZ01088275.1</i>	
ENSDARG000000058820	1,76	1,18E-07	6,80E-06	<i>bin1b</i>	Bridging integrator 1b [Uniprot/SPTREMBL Acc. A0A2R8QMI5]; Bridging integrator 1b [Uniprot/SPTREMBL Acc. F1QRX4]; Bridging
ENSDARG000000005464	2,24	1,29E-07	7,37E-06	<i>dnase1l1</i>	Deoxyribonuclease [Uniprot/SPTREMBL Acc. F1QBE2]
ENSDARG000000089885	4,13	1,32E-07	7,51E-06	<i>slc16a12b</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. F1Q846]
ENSDARG000000093640	3,09	1,32E-07	7,51E-06	<i>ugt5a2</i>	UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. F1RAD8]
ENSDARG000000143111	1,75	1,39E-07	7,86E-06	<i>pgghg</i>	Glyco_hydro_65m domain-containing protein [Uniprot/SPTREMBL Acc. F1Q6T5]
ENSDARG000000100826	3,12	1,48E-07	8,32E-06	<i>hif1al</i>	Hypoxia-inducible factor 1 subunit alpha,-like [Uniprot/SPTREMBL Acc. A0A0R4IB28]; Hypoxia-inducible factor 1 subunit alpha,-like
ENSDARG000000104047	1,46	1,56E-07	8,69E-06	<i>si:ch211-262i1.3</i>	
ENSDARG000000098296	1,37	1,69E-07	9,37E-06	<i>gnsb</i>	N-acetylglucosamine-6-sulfatase [Uniprot/SPTREMBL Acc. A0A0R4IMG2]
ENSDARG000000015153	1,32	1,71E-07	9,48E-06	<i>wdr91</i>	WD repeat-containing protein 91 [Uniprot/SPTREMBL Acc. A0A0R4I9H3]; WD repeat-containing protein 91 [Uniprot/SPTREMBL Acc.
ENSDARG000000075963	7,45	1,74E-07	9,58E-06	<i>mhc1uba</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. Q6GMG0]
ENSDARG000000076602	1,45	2,10E-07	1,15E-05	<i>prss16</i>	Serine protease 16 [Uniprot/SPTREMBL Acc. F1Q7G9]; Serine protease 16 [Uniprot/SPTREMBL Acc. X1WBX8]
ENSDARG000000079080	4,01	2,23E-07	1,21E-05	<i>etfbkmt</i>	
ENSDARG000000056647	2,24	2,53E-07	1,36E-05	<i>klhl3</i>	
ENSDARG000000076362	1,52	2,70E-07	1,44E-05	<i>tmem260</i>	Transmembrane protein 260 [Uniprot/SPTREMBL Acc. A0A2R8RYH1]; Transmembrane protein 260 [Uniprot/SPTREMBL Acc.
ENSDARG000000051711	3,47	2,96E-07	1,57E-05	<i>CR339041.2</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F1QKU1]
ENSDARG000000061017	1,62	3,34E-07	1,76E-05	<i>spns2</i>	Protein spinster homolog 2 [Uniprot/SWISSPROT Acc. A2SWM2]; Protein spinster homolog 2 [Uniprot/SPTREMBL Acc. A9JRX4];
ENSDARG000000091592	2,26	3,38E-07	1,77E-05	<i>pel1a</i>	Pellino E3 ubiquitin protein ligase 1a [Uniprot/SPTREMBL Acc. A0A2R8QHS6]; Pellino E3 ubiquitin protein ligase 1a
ENSDARG000000105674	3,26	3,44E-07	1,80E-05	<i>ms4a17a.2</i>	Membrane-spanning 4-domains, subfamily A, member 17a.2 [Uniprot/SPTREMBL Acc. A5WUV2]
ENSDARG000000052923	2,40	3,64E-07	1,89E-05	<i>zgc:113162</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. F1QSL0]; Zgc:113162 [Uniprot/SPTREMBL Acc. I3ISZ3]; Protein
ENSDARG000000054848	1,77	3,65E-07	1,89E-05	<i>pdk4</i>	Protein-serine/threonine kinase [Uniprot/SPTREMBL Acc. B3DIT9]; Protein-serine/threonine kinase [Uniprot/SPTREMBL Acc.
ENSDARG000000094710	3,27	3,87E-07	1,99E-05	<i>si:dkey-79i2.4</i>	
ENSDARG000000099036	2,42	4,63E-07	2,36E-05	<i>CU138542.1</i>	
ENSDARG000000099839	2,83	5,11E-07	2,59E-05	<i>si:ch211-9d9.1</i>	THAP-type domain-containing protein [Uniprot/SPTREMBL Acc. A0A0J9YJA0]
ENSDARG000000095351	1,76	5,25E-07	2,65E-05	<i>CU914776.1</i>	
ENSDARG000000042861	3,35	5,30E-07	2,67E-05	<i>ltk</i>	Tyrosine-protein kinase receptor [Uniprot/SPTREMBL Acc. F1QBU7]; Tyrosine-protein kinase receptor [Uniprot/SPTREMBL Acc.
ENSDARG000000089921	2,27	5,33E-07	2,67E-05	<i>smim4</i>	Small integral membrane protein 4 [Uniprot/SPTREMBL Acc. E7FFR8]
ENSDARG00000011496	1,12	5,40E-07	2,70E-05	<i>ppm1bb</i>	PPM-type phosphatase domain-containing protein [Uniprot/SPTREMBL Acc. Q5U386]
ENSDARG00000011027	1,35	5,49E-07	2,74E-05	<i>fgfr1a</i>	Fibroblast growth factor receptor 1-A [Uniprot/SWISSPROT Acc. Q90Z00]
ENSDARG000000006169	1,26	5,54E-07	2,76E-05	<i>lrrk2</i>	Non-specific serine/threonine protein kinase [Uniprot/SPTREMBL Acc. F8W598]
ENSDARG000000037408	2,48	5,71E-07	2,83E-05	<i>tbc1d10c</i>	Rab-GAP TBC domain-containing protein [Uniprot/SPTREMBL Acc. E7F6L2]
ENSDARG000000092364	1,30	5,86E-07	2,90E-05	<i>si:ch211-218c6.8</i>	Si:ch211-218c6.8 [Uniprot/SPTREMBL Acc. Q1LUE2]
ENSDARG000000078959	1,31	6,27E-07	3,07E-05	<i>tpcn3</i>	Two pore channel 3 [Uniprot/SPTREMBL Acc. C4IXV6]
ENSDARG000000116353	1,39	7,55E-07	3,67E-05	<i>lrp4</i>	Low density lipoprotein receptor-related protein 4 [Uniprot/SPTREMBL Acc. A0A2R8PYI8]
ENSDARG000000036125	5,12	8,29E-07	4,02E-05	<i>nitr13</i>	Novel immune-type receptor 13 [Uniprot/SPTREMBL Acc. B0S5E9]

ENSDARG00000001897	1,42	8,47E-07	4,08E-05	<i>man2b1</i>	Glyco_hydro_38N domain-containing protein [Uniprot/SPTREMBL Acc. E9QDW2]; Alpha-mannosidase [Uniprot/SPTREMBL Acc.
ENSDARG000000086518	3,69	8,75E-07	4,19E-05	<i>si:ch211-155o21.3</i>	
ENSDARG000000074465	1,22	8,95E-07	4,28E-05	<i>vps13c</i>	Vacuolar protein sorting 13 homolog C [Uniprot/SPTREMBL Acc. A0A1D5NSX1]
ENSDARG000000097181	6,75	9,11E-07	4,34E-05	<i>defbl3</i>	Beta-defensin [Uniprot/SPTREMBL Acc. A1IVN1]
ENSDARG000000059805	4,13	9,35E-07	4,42E-05	<i>slc25a38a</i>	Mitochondrial glycine transporter A [Uniprot/SWISSPROT Acc. Q08CI8]
ENSDARG000000004094	1,98	1,09E-06	5,13E-05	<i>acsbg2</i>	AMP-binding domain-containing protein [Uniprot/SPTREMBL Acc. B0S7E7]; AMP-binding domain-containing protein
ENSDARG000000012823	1,85	1,10E-06	5,14E-05	<i>dlgap4b</i>	Discs, large (Drosophila) homolog-associated protein 4b [Uniprot/SPTREMBL Acc. E7F7X5]; Discs, large (Drosophila) homolog-
ENSDARG000000099776	1,78	1,10E-06	5,14E-05	<i>glula</i>	Glutamine synthetase [Uniprot/SPTREMBL Acc. Q7T2P7]
ENSDARG000000056535	3,79	1,34E-06	6,18E-05	<i>pla2g4f.1</i>	Phospholipase A2 [Uniprot/SPTREMBL Acc. X1WDX0]
ENSDARG000000098330	3,44	1,46E-06	6,69E-05	<i>spef2</i>	Calponin-homology (CH) domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IPA7]
ENSDARG000000035880	1,40	1,57E-06	7,13E-05	<i>atp6v1c1b</i>	V-type proton ATPase subunit C 1-B [Uniprot/SWISSPROT Acc. Q5XIY6]
ENSDARG000000058537	1,78	1,58E-06	7,18E-05	<i>si:dkey-102c8.2</i>	
ENSDARG000000003902	2,23	1,59E-06	7,21E-05	<i>ctsl.1</i>	Cathepsin L.1 [Uniprot/SPTREMBL Acc. Q6DHT0]; Inhibitor_I29 domain-containing protein [Uniprot/SPTREMBL Acc. X1WHM9]
ENSDARG000000078797	1,42	1,61E-06	7,27E-05	<i>dennd3a</i>	UDENN domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IME9]; UDENN domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000052895	1,81	1,69E-06	7,52E-05	<i>htra3a</i>	HtrA serine peptidase 3a [Uniprot/SPTREMBL Acc. F6PEM1]; HtrA serine peptidase 3a [Uniprot/SPTREMBL Acc. Q6DBR1]
ENSDARG000000020046	4,29	1,84E-06	8,15E-05	<i>ahr1a</i>	Aryl hydrocarbon receptor 1a [Uniprot/SPTREMBL Acc. F1RBN7]
ENSDARG000000044326	4,97	1,89E-06	8,35E-05	<i>BX950188.1</i>	
ENSDARG000000055683	3,37	1,91E-06	8,43E-05	<i>pimr191</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. X1WF37]
ENSDARG000000071091	3,29	1,98E-06	8,67E-05	<i>chrm3a</i>	Muscarinic acetylcholine receptor [Uniprot/SPTREMBL Acc. X1WHZ7]
ENSDARG000000096979	1,39	2,00E-06	8,75E-05	<i>zgc:193725</i>	Epididymal secretory protein E1 [Uniprot/SPTREMBL Acc. B3DFW4]
ENSDARG000000030094	7,70	2,04E-06	8,85E-05	<i>malb</i>	MARVEL domain-containing protein [Uniprot/SPTREMBL Acc. Q567J3]
ENSDARG000000052898	2,36	2,03E-06	8,85E-05	<i>kcnk3b</i>	Potassium channel subfamily K member [Uniprot/SPTREMBL Acc. E7F9D1]
ENSDARG000000040161	2,82	2,45E-06	1,06E-04	<i>zgc:92287</i>	LEM domain-containing protein [Uniprot/SPTREMBL Acc. A0A140LFN6]; LEM domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000102292	4,61	2,50E-06	1,08E-04	<i>CU013526.1</i>	
ENSDARG000000033871	1,32	2,68E-06	1,15E-04	<i>derl3</i>	Derlin [Uniprot/SPTREMBL Acc. F1R121]
ENSDARG000000105568	2,46	2,84E-06	1,21E-04	<i>si:ch211-194p6.10</i>	
ENSDARG000000040266	2,08	2,93E-06	1,24E-04	<i>sox19b</i>	HMG box domain-containing protein [Uniprot/SPTREMBL Acc. F1R211]
ENSDARG000000007184	3,69	2,95E-06	1,24E-04	<i>zbtb16a</i>	
ENSDARG00000007753	1,52	2,94E-06	1,24E-04	<i>cpne2</i>	Copine II [Uniprot/SPTREMBL Acc. A0A2R8Q0R6]; Copine II [Uniprot/SPTREMBL Acc. Q1LX40]; C2 domain-containing protein
ENSDARG000000092269	3,44	3,05E-06	1,28E-04	<i>si:dkeyp-41f9.4</i>	Si:dkeyp-41f9.4 [Uniprot/SPTREMBL Acc. A0A0R4IHV9]; SET domain-containing protein [Uniprot/SPTREMBL Acc. E9QH49]
ENSDARG000000011869	3,53	3,07E-06	1,29E-04	<i>galnt8a.2</i>	Polypeptide N-acetylgalactosaminyltransferase [Uniprot/SPTREMBL Acc. X1WFC6]
ENSDARG000000079241	1,80	3,10E-06	1,30E-04	<i>wdr90</i>	WD repeat domain 90 [Uniprot/SPTREMBL Acc. A0A0R4IB11]; WD repeat domain 90 [Uniprot/SPTREMBL Acc. F1RA29]
ENSDARG000000042856	1,32	3,15E-06	1,32E-04	<i>itpka</i>	Kinase [Uniprot/SPTREMBL Acc. F1QC01]
ENSDARG000000069478	5,60	3,17E-06	1,32E-04	<i>slc13a3</i>	Solute carrier family 13 member 3 [Uniprot/SPTREMBL Acc. A0A2R8QG62]; Solute carrier family 13 member 3 [Uniprot/SPTREMBL
ENSDARG000000044074	4,03	3,19E-06	1,33E-04	<i>lox12b</i>	Lysyl oxidase homolog 2B [Uniprot/SWISSPROT Acc. A1L1V4]
ENSDARG000000100539	1,37	3,42E-06	1,41E-04	<i>btr22</i>	Bloodthirsty-related gene family, member 22 [Uniprot/SPTREMBL Acc. A0A0R4ISE2]
ENSDARG000000039966	1,83	3,46E-06	1,43E-04	<i>prom1a</i>	Prominin-1-A [Uniprot/SPTREMBL Acc. A0A0R4IAM7]; Prominin-1-A [Uniprot/SPTREMBL Acc. A0A0R4IE66]; Prominin-1-A
ENSDARG000000004256	3,77	3,67E-06	1,50E-04	<i>wnt11f2</i>	Protein Wnt [Uniprot/SPTREMBL Acc. B8JM95]
ENSDARG000000069003	1,03	3,88E-06	1,57E-04	<i>pcyox1l</i>	Prenylcysteine oxidase 1-like [Uniprot/SPTREMBL Acc. A0A2R8QKN5]; Prenylcys_lyase domain-containing protein
ENSDARG000000055342	1,95	4,03E-06	1,63E-04	<i>slc16a13</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QIL1]; MFS domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000023703	2,73	4,40E-06	1,77E-04	<i>kctd6b</i>	BTB/POZ domain-containing protein KCTD6 [Uniprot/SWISSPROT Acc. Q6DG99]
ENSDARG000000004115	2,03	4,48E-06	1,79E-04	<i>mgat4b</i>	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B [Uniprot/SWISSPROT Acc. Q6GMK0]
ENSDARG000000113721	6,28	4,82E-06	1,90E-04	<i>HPDL</i>	4-hydroxyphenylpyruvate dioxygenase [Uniprot/SPTREMBL Acc. A0A0R4IQ07]
ENSDARG000000045611	1,57	4,82E-06	1,90E-04	<i>nfybb</i>	CAAT box DNA-binding protein subunit B [Uniprot/SPTREMBL Acc. F6P9N2]; CAAT box DNA-binding protein subunit B
ENSDARG000000097216	4,96	5,16E-06	2,03E-04	<i>BX957355.1</i>	
ENSDARG000000042872	1,52	5,23E-06	2,06E-04	<i>zdhhc8a</i>	Zinc finger DHHC-type palmitoyltransferase 8a [Uniprot/SPTREMBL Acc. E9QBM7]; Palmitoyltransferase [Uniprot/SPTREMBL Acc.
ENSDARG000000033544	2,99	5,33E-06	2,09E-04	<i>adamts15b</i>	Peptidase M12B domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QDH1]; Peptidase M12B domain-containing protein
ENSDARG000000061368	1,85	5,53E-06	2,16E-04	<i>klf13</i>	Kruppel-like factor 13 [Uniprot/SPTREMBL Acc. F1RBH0]
ENSDARG000000012422	4,52	5,65E-06	2,19E-04	<i>col11a2</i>	Collagen, type XI, alpha 2 [Uniprot/SPTREMBL Acc. E7F7J8]; Fibrillar collagen NC1 domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000040864	1,91	5,89E-06	2,28E-04	<i>si:dkey-286j15.1</i>	

ENSDARG000000104399	1,43	6,09E-06	2,35E-04	<i>tppp</i>	Hemicentin 1 [Uniprot/SPTREMBL Acc. F1QVQ2]; Hemicentin 1 [Uniprot/SPTREMBL Acc. F1R7R3]; Hemicentin 1
ENSDARG000000016936	3,24	6,46E-06	2,48E-04	<i>hmcn1</i>	STRA6-like [Uniprot/SPTREMBL Acc. E9QJL6]; STRA6-like [Uniprot/SPTREMBL Acc. F1QCP7]
ENSDARG000000062467	1,17	6,84E-06	2,61E-04	<i>stra6l</i>	RAB3A, member RAS oncogene family, b [Uniprot/SPTREMBL Acc. Q5RGB5]
ENSDARG000000043835	2,79	7,16E-06	2,73E-04	<i>rab3ab</i>	Zgc:153352 [Uniprot/SPTREMBL Acc. B0S7K2]
ENSDARG000000092445	1,74	7,26E-06	2,76E-04	<i>zgc:153352</i>	ZnMc domain-containing protein [Uniprot/SPTREMBL Acc. A0A0J9YJ14]; ZnMc domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000059029	3,74	7,37E-06	2,78E-04	<i>mmp28</i>	Si:ch73-352p18.4 [Uniprot/SPTREMBL Acc. E7F8K1]
ENSDARG000000088584	2,30	7,62E-06	2,87E-04	<i>si:ch73-352p18.4</i>	Solute carrier family 39 member 8 [Uniprot/SPTREMBL Acc. A0A0R4IKE7]; Solute carrier family 39 member 8 [Uniprot/SPTREMBL
ENSDARG000000056757	1,61	7,72E-06	2,90E-04	<i>slc39a8</i>	IRG-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RR87]; IRG-type G domain-containing protein
ENSDARG000000070774	1,61	8,05E-06	3,02E-04	<i>irgf1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A1L1QZQ8]
ENSDARG0000000102679	1,56	8,09E-06	3,03E-04	<i>FP074874.1</i>	
ENSDARG000000097526	3,20	8,10E-06	3,03E-04	<i>CU466287.3</i>	
ENSDARG000000004745	1,71	8,32E-06	3,10E-04	<i>lmbr1l</i>	Limb region 1 homolog-like protein [Uniprot/SWISSPROT Acc. Q803C7]
ENSDARG000000083285	4,63	8,34E-06	3,10E-04	<i>CR749775.1</i>	
ENSDARG000000078733	2,15	8,63E-06	3,20E-04	<i>cnnm2b</i>	Cyclin and CBS domain divalent metal cation transport mediator 2b [Uniprot/SPTREMBL Acc. A0A2R8QQ79]; Cyclin and CBS
ENSDARG0000000101977	2,05	8,92E-06	3,29E-04	<i>si:ch211-209n20.59</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IED5]
ENSDARG0000000103265	1,40	9,18E-06	3,38E-04	<i>si:ch211-223g7.2</i>	Si:ch211-223g7.2 [Uniprot/SPTREMBL Acc. A0A0R4IA50]; Si:ch211-223g7.2 [Uniprot/SPTREMBL Acc. A0A0R4IEU6]; NACHT
ENSDARG0000000102204	3,15	9,32E-06	3,41E-04	<i>jph3</i>	Junctophilin [Uniprot/SPTREMBL Acc. A0A0R4IT36]
ENSDARG000000097292	2,08	9,39E-06	3,43E-04	<i>slc26a6</i>	STAS domain-containing protein [Uniprot/SPTREMBL Acc. E7F9R9]; Sulfate_transp domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000077882	2,30	9,54E-06	3,48E-04	<i>ccn5</i>	Cellular communication network factor 5 [Uniprot/SPTREMBL Acc. F1QG76]; VWFC domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000074244	1,55	9,65E-06	3,52E-04	<i>arhgef10lb</i>	DH domain-containing protein [Uniprot/SPTREMBL Acc. E7FAM0]; Rho guanine nucleotide exchange factor (GEF) 10-like b
ENSDARG0000000117423	1,84	9,77E-06	3,55E-04	<i>BX470116.1</i>	
ENSDARG000000059437	1,46	9,94E-06	3,60E-04	<i>fktn</i>	Ribitol-5-phosphate transferase [Uniprot/SPTREMBL Acc. B8JMA5]
ENSDARG0000000102445	2,92	1,01E-05	3,65E-04	<i>si:dkey-22o22.2</i>	Si:dkey-22o22.2 [Uniprot/SPTREMBL Acc. A0A0R4IM59]; Si:dkey-22o22.2 [Uniprot/SPTREMBL Acc. A0A0R4IVM3]
ENSDARG000000074852	1,25	1,06E-05	3,80E-04	<i>myo15b</i>	Myosin XVb [Uniprot/SPTREMBL Acc. U3JAY7]
ENSDARG000000097085	3,41	1,06E-05	3,80E-04	<i>si:ch211-261a10.5</i>	Ion_trans_2 domain-containing protein [Uniprot/SPTREMBL Acc. X1WDN6]
ENSDARG000000098535	3,08	1,12E-05	4,01E-04	<i>BX004823.1</i>	
ENSDARG000000043447	1,83	1,21E-05	4,29E-04	<i>gpr55a</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. F1R399]
ENSDARG000000036848	1,72	1,21E-05	4,29E-04	<i>slc43a2a</i>	L-type amino acid transporter 4 [Uniprot/SPTREMBL Acc. A0A0R4IP58]; L-type amino acid transporter 4 [Uniprot/SPTREMBL Acc.
ENSDARG000000026704	2,46	1,25E-05	4,40E-04	<i>ftr72</i>	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. E9QC68]; FinTRIM family, member 72 [Uniprot/SPTREMBL Acc.
ENSDARG0000000102001	3,90	1,28E-05	4,49E-04	<i>si:dkeyp-13d12.24</i>	
ENSDARG000000071241	1,22	1,49E-05	5,17E-04	<i>trim35-39</i>	Tripartite motif-containing 35-39 [Uniprot/SPTREMBL Acc. F1QQG3]
ENSDARG000000002293	6,88	1,55E-05	5,37E-04	<i>si:ch211-197g15.6</i>	TLDC domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4ILD4]; TLDC domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000095941	2,21	1,56E-05	5,40E-04	<i>CT573247.1</i>	
ENSDARG0000000102119	1,64	1,60E-05	5,51E-04	<i>si:ch73-359m17.2</i>	FTP domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IKB1]; FTP domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000017780	1,49	1,60E-05	5,51E-04	<i>rorc b</i>	RAR-related orphan receptor C b [Uniprot/SPTREMBL Acc. A0A0R4IBY5]; RAR-related orphan receptor C b [Uniprot/SPTREMBL
ENSDARG000000061311	1,48	1,61E-05	5,53E-04	<i>znf438</i>	Zinc finger protein 438 [Uniprot/SPTREMBL Acc. F1R394]
ENSDARG000000068828	1,88	1,62E-05	5,55E-04	<i>bloc1s3</i>	Biogenesis of lysosome-related organelles complex 1 subunit 3 [Uniprot/SPTREMBL Acc. Q4V924]
ENSDARG000000098911	1,81	1,62E-05	5,55E-04	<i>zgc:153293</i>	Zgc:153293 [Uniprot/SPTREMBL Acc. A0A0R4IV07]
ENSDARG000000098722	1,90	1,64E-05	5,58E-04	<i>si:ch73-170d6.3</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2LAF7]
ENSDARG000000014599	1,12	1,82E-05	6,10E-04	<i>slc5a6b</i>	Solute carrier family 5 member 6 [Uniprot/SPTREMBL Acc. A9JSZ5]; Solute carrier family 5 member 6 [Uniprot/SPTREMBL Acc.
ENSDARG0000000113218	1,21	1,84E-05	6,15E-04	<i>FP236810.2</i>	UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. F1R9C5]
ENSDARG000000092042	9,35	1,86E-05	6,20E-04	<i>LA935153.1</i>	
ENSDARG000000061896	1,45	1,92E-05	6,38E-04	<i>slco2a1</i>	Solute carrier organic anion transporter family member [Uniprot/SPTREMBL Acc. F1Q9B1]
ENSDARG000000014246	1,63	2,10E-05	6,92E-04	<i>jag2a</i>	Delta-like protein [Uniprot/SPTREMBL Acc. F1QVB9]
ENSDARG000000067985	1,78	2,33E-05	7,59E-04	<i>ftr23</i>	FinTRIM family, member 23 [Uniprot/SPTREMBL Acc. A0A0R4IKX5]; FinTRIM family, member 23 [Uniprot/SPTREMBL Acc.
ENSDARG000000028478	1,36	2,55E-05	8,29E-04	<i>si:ch211-173n18.3</i>	Methyltransf_11 domain-containing protein [Uniprot/SPTREMBL Acc. E7EZR9]
ENSDARG000000039150	1,22	2,56E-05	8,29E-04	<i>lgmn</i>	Asparaginyl endopeptidase [Uniprot/SPTREMBL Acc. B8JHW0]; Legumain [Uniprot/SPTREMBL Acc. B8JHW1]
ENSDARG000000077004	1,24	2,64E-05	8,51E-04	<i>aldh1l1</i>	10-formyltetrahydrofolate dehydrogenase [Uniprot/SPTREMBL Acc. I3ITN9]
ENSDARG000000032155	1,01	2,78E-05	8,95E-04	<i>ppm1aa</i>	PPM-type phosphatase domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IYF8]; PPM-type phosphatase domain-
ENSDARG000000086746	1,57	2,79E-05	8,96E-04	<i>prodha</i>	Proline dehydrogenase [Uniprot/SPTREMBL Acc. E7FFM5]; Proline dehydrogenase [Uniprot/SPTREMBL Acc. I3ITK9]

ENSDARG00000087403	1,32	2,80E-05	8,98E-04	<i>si:ch211-214p13.3</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F1QPW5]
ENSDARG00000015537	3,00	2,81E-05	8,99E-04	<i>gad2</i>	Glutamate decarboxylase 2 [Uniprot/SPTREMBL Acc. F1R9E8]
ENSDARG000000112575	1,58	2,82E-05	9,02E-04	<i>CU467905.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8S099]
ENSDARG000000089112	1,94	2,88E-05	9,17E-04	<i>zmp:0000000951</i>	IRG-type G domain-containing protein [Uniprot/SPTREMBL Acc. E7EYG3]
ENSDARG000000032577	1,31	2,88E-05	9,17E-04	<i>clcn6</i>	Chloride channel 6 [Uniprot/SPTREMBL Acc. E7F798]
ENSDARG000000003854	1,17	2,88E-05	9,17E-04	<i>acs11b</i>	AMP-binding domain-containing protein [Uniprot/SPTREMBL Acc. F1QDA6]
ENSDARG000000073735	1,90	2,99E-05	9,44E-04	<i>ftr95</i>	FinTRIM family, member 95 [Uniprot/SPTREMBL Acc. A0A0H2UJL0]; FinTRIM family, member 95 [Uniprot/SPTREMBL Acc. A0A2R8S099]
ENSDARG000000021895	1,76	3,00E-05	9,47E-04	<i>disc1</i>	DISC1 scaffold protein [Uniprot/SPTREMBL Acc. F1QQ50]
ENSDARG000000057378	1,16	3,06E-05	9,62E-04	<i>selenou1a</i>	AhpC-TSA domain-containing protein [Uniprot/SPTREMBL Acc. A0A1I8S6W9]; AhpC-TSA domain-containing protein
ENSDARG000000018921	2,08	3,09E-05	9,71E-04	<i>lratd1</i>	LRAT domain-containing protein [Uniprot/SPTREMBL Acc. Q6PGW5]
ENSDARG000000102377	1,10	3,21E-05	1,01E-03	<i>slc6a16b</i>	Transporter [Uniprot/SPTREMBL Acc. F1Q9B5]
ENSDARG000000110574	1,90	3,22E-05	1,01E-03	<i>CABZ01080042.1</i>	Fibrinogen C-terminal domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q9F1]
ENSDARG000000104064	1,83	3,23E-05	1,01E-03	<i>si:ch211-127b6.2</i>	
ENSDARG000000052919	1,83	3,41E-05	1,06E-03	<i>adrb3b</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. B3DIE4]
ENSDARG000000096508	3,88	3,59E-05	1,11E-03	<i>BX322618.1</i>	
ENSDARG000000016695	1,18	3,65E-05	1,13E-03	<i>p2rx1</i>	P2X purinoceptor [Uniprot/SPTREMBL Acc. A0A2R8QJZ0]; P2X purinoceptor [Uniprot/SPTREMBL Acc. A3QK06]; P2X purinoceptor
ENSDARG000000045067	1,04	3,72E-05	1,14E-03	<i>kcnk1a</i>	Potassium channel subfamily K member [Uniprot/SPTREMBL Acc. A5PLK0]; Potassium channel, subfamily K, member 1a
ENSDARG000000074806	1,38	3,79E-05	1,16E-03	<i>afap112</i>	Actin filament-associated protein 1-like 2 [Uniprot/SPTREMBL Acc. A0A2R8PZY7]; Actin filament-associated protein 1-like 2
ENSDARG000000099038	2,85	3,85E-05	1,17E-03	<i>kcnng1</i>	Ion_trans domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4INQ7]; Potassium voltage-gated channel, subfamily G,
ENSDARG000000034268	1,98	3,85E-05	1,17E-03	<i>slit3</i>	Slit homolog 3 (Drosophila) [Uniprot/SPTREMBL Acc. F1RCV3]
ENSDARG000000077666	1,18	3,90E-05	1,18E-03	<i>evi5a</i>	Rab-GAP TBC domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QEF0]; Rab-GAP TBC domain-containing protein
ENSDARG000000012355	1,05	4,36E-05	1,32E-03	<i>galnt8a.1</i>	Polypeptide N-acetylglucosaminyltransferase [Uniprot/SPTREMBL Acc. A0A2R8QPT8]; Polypeptide N-
ENSDARG000000116442	2,60	4,72E-05	1,42E-03	<i>TENT5A</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8Q5S3]
ENSDARG000000003991	3,36	4,83E-05	1,45E-03	<i>fh12b</i>	Four and a half LIM domains 2b [Uniprot/SPTREMBL Acc. B0V234]
ENSDARG000000091607	2,11	5,14E-05	1,53E-03	<i>arhgef28b</i>	Rho guanine nucleotide exchange factor (GEF) 28b [Uniprot/SPTREMBL Acc. X1WCM0]
ENSDARG000000094886	11,38	5,25E-05	1,56E-03	<i>si:dkey-266f7.5</i>	
ENSDARG000000075209	1,38	5,27E-05	1,56E-03	<i>p4htm</i>	Fe2OG dioxygenase domain-containing protein [Uniprot/SPTREMBL Acc. X1WG80]
ENSDARG000000094089	5,49	5,57E-05	1,64E-03	<i>sult3st3</i>	Sulfotransferase [Uniprot/SPTREMBL Acc. A0A2R8RN27]; Sulfotransferase [Uniprot/SPTREMBL Acc. F1R2B8]
ENSDARG000000035890	1,13	5,74E-05	1,67E-03	<i>fuca1.1</i>	Alpha-L-fucosidase [Uniprot/SPTREMBL Acc. Q6NY93]
ENSDARG000000062884	1,09	5,76E-05	1,67E-03	<i>map3k2</i>	Mitogen-activated protein kinase kinase kinase 2 [Uniprot/SPTREMBL Acc. A0A2R8QEL7]; Mitogen-activated protein kinase kinase
ENSDARG000000070757	6,66	5,84E-05	1,69E-03	<i>si:ch211-155i14.1</i>	
ENSDARG000000061352	1,48	5,84E-05	1,69E-03	<i>bcl11aa</i>	BAF chromatin-remodeling complex subunit BCL11A a [Uniprot/SPTREMBL Acc. B8A554]; B-cell CLL/lymphoma 11A
ENSDARG000000020876	1,90	5,90E-05	1,70E-03	<i>pdk2a</i>	Protein-serine/threonine kinase [Uniprot/SPTREMBL Acc. E7FD62]
ENSDARG000000104278	1,08	5,95E-05	1,71E-03	<i>slc2a8</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IIC8]
ENSDARG000000079472	2,38	5,99E-05	1,72E-03	<i>CABZ01071020.1</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. E7F8C4]
ENSDARG000000088439	1,04	5,99E-05	1,72E-03	<i>gm2a</i>	ML domain-containing protein [Uniprot/SPTREMBL Acc. Q568N7]
ENSDARG000000116047	2,72	6,15E-05	1,75E-03	<i>CU459094.3</i>	
ENSDARG000000087306	1,06	6,15E-05	1,75E-03	<i>CABZ01038521.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QFS6]
ENSDARG000000116334	1,93	6,24E-05	1,78E-03	<i>tmem17</i>	Transmembrane protein 17B [Uniprot/SWISSPROT Acc. A5D6V4]
ENSDARG000000091948	7,17	6,27E-05	1,78E-03	<i>CU694486.1</i>	
ENSDARG000000092728	7,66	6,29E-05	1,78E-03	<i>si:dkey-266f7.4</i>	
ENSDARG000000117468	4,20	6,31E-05	1,79E-03	<i>BX569790.3</i>	
ENSDARG000000060309	1,37	6,36E-05	1,80E-03	<i>srgap3</i>	SLIT-ROBO Rho GTPase-activating protein 3 [Uniprot/SPTREMBL Acc. A0A0R4IAE2]; SLIT-ROBO Rho GTPase-activating protein 3
ENSDARG000000087717	1,61	6,58E-05	1,85E-03	<i>tmprss5</i>	Transmembrane serine protease 5 [Uniprot/SPTREMBL Acc. A0A2R8Q7N1]; Transmembrane serine protease 5
ENSDARG000000114210	1,07	6,73E-05	1,89E-03	<i>CABZ01035356.1</i>	OBG-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RWK0]
ENSDARG000000117719	1,60	6,87E-05	1,91E-03	<i>CABZ01075114.1</i>	
ENSDARG000000042521	1,14	7,11E-05	1,97E-03	<i>si:dkey-251i10.1</i>	Si:dkey-251i10.1 [Uniprot/SPTREMBL Acc. A2CEZ0]
ENSDARG000000077492	1,32	7,29E-05	2,01E-03	<i>atp8a2</i>	Phospholipid-transporting ATPase [Uniprot/SPTREMBL Acc. A0A286Y9U6]; Phospholipid-transporting ATPase [Uniprot/SPTREMBL
ENSDARG000000074311	1,39	7,38E-05	2,03E-03	<i>mast2</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8PZW7]; Microtubule-associated serine/threonine kinase 2
ENSDARG000000089924	1,78	7,54E-05	2,07E-03	<i>aldh2.1</i>	Aldedh domain-containing protein [Uniprot/SPTREMBL Acc. A2BGR9]

ENSDARG00000100722	2,31	7,90E-05	2,16E-03	<i>si:ch211-160f23.7</i>	t-SNARE coiled-coil homology domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IT92]
ENSDARG00000099699	7,30	8,00E-05	2,18E-03	<i>BX649620.1</i>	
ENSDARG00000013813	2,55	7,99E-05	2,18E-03	<i>fam219ab</i>	
ENSDARG00000012903	1,99	8,16E-05	2,21E-03	<i>slc34a2a</i>	Solute carrier family 34 member 2a [Uniprot/SPTREMBL Acc. F1QPL3]
ENSDARG00000040249	1,68	8,29E-05	2,24E-03	<i>tlr18</i>	TIR domain-containing protein [Uniprot/SPTREMBL Acc. A3KH14]
ENSDARG00000093320	7,51	8,48E-05	2,28E-03	<i>BX323028.1</i>	
ENSDARG000000108060	1,25	8,52E-05	2,29E-03	<i>LO017771.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A286Y824]
ENSDARG00000001994	1,46	8,60E-05	2,30E-03	<i>stxbp1a</i>	Syntaxin-binding protein 1a [Uniprot/SPTREMBL Acc. A0A0R4IQM9]; Syntaxin-binding protein 1a [Uniprot/SPTREMBL Acc.
ENSDARG00000096990	2,12	8,92E-05	2,38E-03	<i>si:ch1073-340i21.2</i>	
ENSDARG00000074842	2,64	9,21E-05	2,44E-03	<i>snx8a</i>	PX domain-containing protein [Uniprot/SPTREMBL Acc. F6NGW9]; PX domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000059139	6,74	9,28E-05	2,46E-03	<i>wfikk2b</i>	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain-containing 2b [Uniprot/SPTREMBL Acc. E7FCX1]
ENSDARG00000036415	1,02	9,28E-05	2,46E-03	<i>glb1</i>	Beta-galactosidase [Uniprot/SPTREMBL Acc. A2BG54]
ENSDARG00000094912	2,05	9,42E-05	2,49E-03	<i>CR749775.2</i>	
ENSDARG00000054934	1,74	9,49E-05	2,50E-03	<i>zgc:101765</i>	Aldo_ket_red domain-containing protein [Uniprot/SPTREMBL Acc. Q5XJM7]
ENSDARG000000101632	2,48	9,60E-05	2,53E-03	<i>cyp2k20</i>	Cytochrome P450, family 2, subfamily k, polypeptide 20 [Uniprot/SPTREMBL Acc. A0A0R4IDU7]; Cytochrome P450, family 2,
ENSDARG000000101754	2,46	9,70E-05	2,55E-03	<i>BX664622.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8Q012]
ENSDARG00000088885	4,19	9,80E-05	2,57E-03	<i>si:ch1073-340i21.3</i>	
ENSDARG00000078953	2,20	9,87E-05	2,58E-03	<i>epn3a</i>	ENTH domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QTA5]; ENTH domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000071024	1,47	1,03E-04	2,69E-03	<i>zgc:171679</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. A3KQG8]
ENSDARG00000068096	1,09	1,05E-04	2,73E-03	<i>atf5a</i>	BZIP domain-containing protein [Uniprot/SPTREMBL Acc. A2BFU3]
ENSDARG00000020298	1,65	1,06E-04	2,75E-03	<i>btg2</i>	Anti-proliferative cofactor [Uniprot/SPTREMBL Acc. Q9IB77]
ENSDARG000000104387	3,78	1,10E-04	2,83E-03	<i>si:ch211-48m9.1</i>	Anion exchange protein [Uniprot/SPTREMBL Acc. A0A0R4IJZ4]; Anion exchange protein [Uniprot/SPTREMBL Acc. A0A0R4IUF3];
ENSDARG00000043154	1,45	1,11E-04	2,85E-03	<i>ucp2</i>	Mitochondrial uncoupling protein 2 [Uniprot/SPTREMBL Acc. Q6P0I3]
ENSDARG00000058327	1,57	1,12E-04	2,85E-03	<i>neu3.3</i>	Exo-alpha-sialidase [Uniprot/SPTREMBL Acc. A0JMM3]
ENSDARG00000033999	3,13	1,16E-04	2,96E-03	<i>cyp26a1</i>	Cytochrome P450 26A1 [Uniprot/SPTREMBL Acc. Q7SXV4]; Cytochrome P450 26A1 [Uniprot/SPTREMBL Acc. R4GEH0]
ENSDARG00000076364	2,43	1,17E-04	2,97E-03	<i>si:dkey-178k16.1</i>	FERM domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QKY7]; FERM domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000012353	1,12	1,18E-04	2,98E-03	<i>vipr2</i>	Vasoactive intestinal peptide receptor 2 [Uniprot/SPTREMBL Acc. F1QSJ4]
ENSDARG000000115029	1,69	1,18E-04	2,98E-03	<i>si:dkeyp-123a12.2</i>	PRY domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IDP9]; Si:dkeyp-123a12.2 [Uniprot/SPTREMBL Acc.
ENSDARG00000010816	2,45	1,19E-04	3,02E-03	<i>slc7a14a</i>	Probable cationic amino acid transporter [Uniprot/SWISSPROT Acc. B0UYF2]
ENSDARG00000042112	1,09	1,21E-04	3,05E-03	<i>dio1</i>	Iodothyronine deiodinase [Uniprot/SPTREMBL Acc. F1R7E6]
ENSDARG00000068387	3,46	1,26E-04	3,14E-03	<i>slc6a18</i>	Transporter [Uniprot/SPTREMBL Acc. F1QE60]
ENSDARG000000112637	2,02	1,26E-04	3,14E-03	<i>ANOS1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8QCZ3]
ENSDARG00000044808	0,94	1,27E-04	3,16E-03	<i>slc4a4b</i>	Anion exchange protein [Uniprot/SPTREMBL Acc. A0A0R4IUL4]; Anion exchange protein [Uniprot/SPTREMBL Acc. F1QD14]
ENSDARG00000078448	1,50	1,27E-04	3,16E-03	<i>gpr137ba</i>	G protein-coupled receptor 137Ba [Uniprot/SPTREMBL Acc. E7F594]
ENSDARG00000042737	2,18	1,29E-04	3,21E-03	<i>slc52a3</i>	Solute carrier family 52 member 3 [Uniprot/SPTREMBL Acc. A0A0R4I9C5]
ENSDARG00000078547	1,74	1,30E-04	3,23E-03	<i>si:ch211-264f5.2</i>	Si:ch211-264f5.2 [Uniprot/SPTREMBL Acc. F1QCI4]
ENSDARG000000114502	6,64	1,31E-04	3,23E-03	<i>CR388079.3</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QK20]
ENSDARG00000094057	2,59	1,33E-04	3,28E-03	<i>cyp2j20</i>	Cytochrome P450, family 2, subfamily J, polypeptide 20 [Uniprot/SPTREMBL Acc. Q5RG51]
ENSDARG00000094854	1,30	1,34E-04	3,29E-03	<i>ms4a17a.9</i>	Membrane-spanning 4-domains, subfamily A, member 17A.9 [Uniprot/SPTREMBL Acc. A5WUU9]; Membrane-spanning 4-domains,
ENSDARG00000052000	1,23	1,35E-04	3,31E-03	<i>cav2</i>	Caveolin [Uniprot/SPTREMBL Acc. A0M8V6]
ENSDARG00000042041	4,29	1,40E-04	3,41E-03	<i>tal2</i>	BHLH domain-containing protein [Uniprot/SPTREMBL Acc. F1QUD8]
ENSDARG00000035458	2,23	1,40E-04	3,43E-03	<i>atp2a1l</i>	Calcium-transporting ATPase [Uniprot/SPTREMBL Acc. A0A2R8RK22]; Calcium-transporting ATPase [Uniprot/SPTREMBL Acc.
ENSDARG00000079234	4,10	1,44E-04	3,50E-03	<i>si:ch211-285c6.2</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R9YJH8]; Protein kinase domain-containing protein
ENSDARG000000101087	4,21	1,60E-04	3,86E-03	<i>si:dkeyp-80d11.1</i>	
ENSDARG000000105104	2,37	1,62E-04	3,88E-03	<i>si:dkeyp-223p19.1</i>	
ENSDARG00000075436	1,04	1,63E-04	3,89E-03	<i>sytl2b</i>	Synaptotagmin-like 2b [Uniprot/SPTREMBL Acc. F1QQ65]; Synaptotagmin-like 2b [Uniprot/SPTREMBL Acc. R4GE71]
ENSDARG00000023318	2,34	1,64E-04	3,90E-03	<i>fmm2a</i>	FH2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q233]; FH2 domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000051989	1,11	1,66E-04	3,95E-03	<i>tmem187</i>	Transmembrane protein 187 [Uniprot/SPTREMBL Acc. A0A2R8Q2G1]; Transmembrane protein 187 [Uniprot/SPTREMBL Acc.
ENSDARG00000076250	1,14	1,67E-04	3,96E-03	<i>rasef</i>	Ras and EF-hand domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QQ08]; Ras and EF-hand domain-containing protein
ENSDARG000000102360	6,15	1,69E-04	4,00E-03	<i>si:ch211-11p18.6</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. F1QW67]

ENSDARG00000023287	2,39	1,73E-04	4,10E-03	<i>hsd17b3</i>	Hsd17b3 protein [Uniprot/SPTREMBL Acc. Q7T396]
ENSDARG00000079372	1,73	1,74E-04	4,11E-03	<i>si:ch211-264f5.6</i>	Si:ch211-264f5.6 [Uniprot/SPTREMBL Acc. E9QJ14]
ENSDARG000000101297	2,04	1,76E-04	4,16E-03	<i>tmem266</i>	Ion_trans domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KRM1]
ENSDARG00000012271	1,21	1,77E-04	4,17E-03	<i>pacc1</i>	Proton-activated chloride channel [Uniprot/SPTREMBL Acc. E9QHD1]; Proton-activated chloride channel [Uniprot/SPTREMBL Acc. Zgc:55413 [Uniprot/SPTREMBL Acc. E7FC96]; Zgc:55413 [Uniprot/SPTREMBL Acc. F1QGD8]; Biogenesis of lysosome-related
ENSDARG00000014208	6,22	1,80E-04	4,22E-03	<i>zgc:55413</i>	Dynamin-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RYX8]
ENSDARG000000112959	2,68	1,80E-04	4,22E-03	<i>CABZ01072309.1</i>	Si:ch211-190o6.3 [Uniprot/SPTREMBL Acc. A0A2R8RSM8]; Si:ch211-190o6.3 [Uniprot/SPTREMBL Acc. F1QYV6]; Si:ch211-
ENSDARG000000089974	4,29	1,84E-04	4,30E-03	<i>SLC15A5</i>	Amyloid beta (A4) precursor protein-binding, family A, member 2b [Uniprot/SPTREMBL Acc. A0A1D5NS70]; Amyloid beta (A4)
ENSDARG000000060639	1,91	1,84E-04	4,30E-03	<i>apba2b</i>	Pancreatic progenitor cell differentiation and proliferation factor A [Uniprot/SPTREMBL Acc. E9QH59]; Pancreatic progenitor cell
ENSDARG00000007682	2,46	1,87E-04	4,36E-03	<i>ppdpfa</i>	
ENSDARG000000117248	3,26	1,90E-04	4,41E-03	<i>BX649399.21</i>	
ENSDARG00000018397	2,16	1,92E-04	4,45E-03	<i>hpca</i>	Hippocalcin [Uniprot/SPTREMBL Acc. Q6PC34]
ENSDARG00000020984	0,96	1,94E-04	4,48E-03	<i>slc16a10</i>	Monocarboxylate transporter 10 [Uniprot/SWISSPROT Acc. A1L1W9]
ENSDARG00000012968	2,03	2,10E-04	4,81E-03	<i>rhoub</i>	Ras homolog family member Ub [Uniprot/SPTREMBL Acc. F1QM54]
ENSDARG000000090708	3,56	2,12E-04	4,83E-03	<i>si:dkey-28g23.6</i>	
ENSDARG00000006137	3,40	2,16E-04	4,92E-03	<i>star</i>	Steroidogenic acute regulatory protein, mitochondrial [Uniprot/SWISSPROT Acc. Q9DG10]
ENSDARG00000030633	2,24	2,16E-04	4,92E-03	<i>plekhm3</i>	
ENSDARG000000059048	1,04	2,17E-04	4,92E-03	<i>mpz11</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. E7F7T2]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000070487	1,43	2,27E-04	5,10E-03	<i>marc1</i>	MOSC domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8PWS6]; MOSC domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000014031	1,09	2,28E-04	5,12E-03	<i>abcc2</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 [Uniprot/SPTREMBL Acc. F1RCV0]
ENSDARG00000018984	1,10	2,31E-04	5,15E-03	<i>eya2</i>	Eyes absent homolog [Uniprot/SPTREMBL Acc. Q66HX1]; Eyes absent homolog [Uniprot/SPTREMBL Acc. X1WGT2]
ENSDARG000000021735	1,34	2,32E-04	5,17E-03	<i>cacna1ba</i>	Voltage-dependent N-type calcium channel subunit alpha [Uniprot/SPTREMBL Acc. A2BHF3]; Voltage-dependent N-type calcium
ENSDARG000000088984	0,98	2,32E-04	5,17E-03	<i>cep131</i>	Centrosomal protein of 131 kDa [Uniprot/SPTREMBL Acc. A0A286YA69]; Centrosomal protein of 131 kDa [Uniprot/SPTREMBL Acc.
ENSDARG000000092968	2,37	2,33E-04	5,18E-03	<i>znf1128</i>	Zinc finger protein 1128 [Uniprot/SPTREMBL Acc. HOWEH8]
ENSDARG000000104989	2,23	2,33E-04	5,18E-03	<i>wnk2</i>	Non-specific serine/threonine protein kinase [Uniprot/SPTREMBL Acc. A0A0G2L831]; Non-specific serine/threonine protein kinase
ENSDARG000000102705	0,94	2,38E-04	5,29E-03	<i>otud6b</i>	Ubiquitinyl hydrolase 1 [Uniprot/SPTREMBL Acc. F1QWU1]
ENSDARG000000104518	2,71	2,41E-04	5,35E-03	<i>tcrq</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IJ81]
ENSDARG000000079204	2,75	2,45E-04	5,41E-03	<i>adam11</i>	ADAM metalloproteinase domain 11 [Uniprot/SPTREMBL Acc. E7F698]
ENSDARG000000037495	2,66	2,46E-04	5,43E-03	<i>rtn4rl2b</i>	Reticulon 4 receptor-like 2b [Uniprot/SPTREMBL Acc. F1QA76]
ENSDARG000000061205	1,12	2,48E-04	5,47E-03	<i>stag1a</i>	SCD domain-containing protein [Uniprot/SPTREMBL Acc. B0V0X2]; SCD domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000093608	2,47	2,49E-04	5,48E-03	<i>ccl34b.1</i>	SCY domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IPJ5]; SCY domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000074526	3,05	2,54E-04	5,56E-03	<i>zbtb16b</i>	Zinc finger and BTB domain-containing 16b [Uniprot/SPTREMBL Acc. E7FGS1]
ENSDARG000000093042	3,01	2,55E-04	5,56E-03	<i>si:dkey-104n9.1</i>	Si:dkey-104n9.1 [Uniprot/SPTREMBL Acc. B0UXQ3]
ENSDARG000000058728	0,85	2,55E-04	5,56E-03	<i>nudt2</i>	Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical] [Uniprot/SPTREMBL Acc. Q6DG97]
ENSDARG000000060661	0,83	2,59E-04	5,63E-03	<i>klf8</i>	Kruppel-like factor 8 [Uniprot/SPTREMBL Acc. A0A2R8QT61]; Kruppel-like factor 8 [Uniprot/SPTREMBL Acc. A0S0R1]; Kruppel-like
ENSDARG000000057074	1,50	2,70E-04	5,82E-03	<i>rpgrb</i>	Retinitis pigmentosa GTPase regulator b [Uniprot/SPTREMBL Acc. F1QEL3]; Retinitis pigmentosa GTPase regulator b
ENSDARG000000020212	1,97	2,71E-04	5,83E-03	<i>slc1a1</i>	Solute carrier family 1 member 1 [Uniprot/SPTREMBL Acc. A0A0R4IMP9]; Amino acid transporter [Uniprot/SPTREMBL Acc.
ENSDARG000000103960	5,49	2,77E-04	5,95E-03	<i>CU019624.1</i>	
ENSDARG000000031293	1,12	2,79E-04	5,99E-03	<i>dnajc9</i>	J domain-containing protein [Uniprot/SPTREMBL Acc. E9QE13]; J domain-containing protein [Uniprot/SPTREMBL Acc. E9QFL6]; J
ENSDARG000000094055	2,72	2,86E-04	6,11E-03	<i>si:dkey-88l16.3</i>	Si:dkey-88l16.3 [Uniprot/SPTREMBL Acc. A0A286YAQ3]; Si:dkey-88l16.3 [Uniprot/SPTREMBL Acc. A0A2R8Q951]; Si:dkey-88l16.3
ENSDARG000000077664	0,94	2,87E-04	6,12E-03	<i>zgc:110239</i>	Zgc:110239 [Uniprot/SPTREMBL Acc. F1R9W6]
ENSDARG00000012535	5,99	2,89E-04	6,15E-03	<i>epx</i>	Sushi domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IWN1]; Eosinophil peroxidase [Uniprot/SPTREMBL Acc.
ENSDARG000000044225	0,80	2,89E-04	6,15E-03	<i>GOLPH3</i>	Si:dkey-27b3.2 [Uniprot/SPTREMBL Acc. E7FGM1]
ENSDARG000000073901	2,09	2,91E-04	6,16E-03	<i>CABZ01046997.1</i>	VLIG-type G domain-containing protein [Uniprot/SPTREMBL Acc. E7FFD0]
ENSDARG000000055809	5,55	2,93E-04	6,20E-03	<i>vlg2</i>	Phosvitin [Uniprot/SPTREMBL Acc. Q1MTC4]
ENSDARG000000033537	1,22	2,95E-04	6,22E-03	<i>p4ha1a</i>	Procollagen-proline 4-dioxygenase [Uniprot/SPTREMBL Acc. A0A0R4IQ20]; Procollagen-proline 4-dioxygenase [Uniprot/SPTREMBL
ENSDARG000000053570	1,00	2,95E-04	6,22E-03	<i>AL590151.1</i>	
ENSDARG000000061974	3,09	3,02E-04	6,35E-03	<i>grhl2b</i>	CP2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QAV0]; CP2 domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000017386	2,86	3,05E-04	6,40E-03	<i>sobpb</i>	Sine oculis-binding protein homolog B [Uniprot/SWISSPROT Acc. A7XYJ6]
ENSDARG000000028173	1,68	3,07E-04	6,42E-03	<i>slc4a2a</i>	Solute carrier family 4 member 2a [Uniprot/SPTREMBL Acc. B0S7B7]; Anion exchange protein [Uniprot/SPTREMBL Acc. B0S7B8]
ENSDARG000000004436	1,01	3,16E-04	6,58E-03	<i>fam92a1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. E9QCT2]; Protein FAM92A [Uniprot/SWISSPROT Acc. Q1LU86]

ENSDARG00000034434	1,59	3,17E-04	6,61E-03	<i>igf1rb</i>	Tyrosine-protein kinase receptor [Uniprot/SPTREMBL Acc. B0R0Q2]
ENSDARG00000092883	1,68	3,21E-04	6,68E-03	<i>si:dkey-193b15.5</i>	TLDC domain-containing protein [Uniprot/SPTREMBL Acc. B0S6B6]
ENSDARG00000056480	1,25	3,22E-04	6,68E-03	<i>cpvl</i>	Carboxypeptidase vitellogenic-like [Uniprot/SPTREMBL Acc. Q7ZU43]
ENSDARG00000096688	3,00	3,30E-04	6,82E-03	<i>CU660013.1</i>	
ENSDARG00000067829	1,11	3,30E-04	6,82E-03	<i>ppargc1a</i>	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha [Uniprot/SPTREMBL Acc. F1QXB5]
ENSDARG00000046124	0,98	3,45E-04	7,09E-03	<i>rab11fip1a</i>	C2 domain-containing protein [Uniprot/SPTREMBL Acc. F1RB79]
ENSDARG00000028943	1,30	3,46E-04	7,09E-03	<i>mtss1a</i>	MTSS I-BAR domain-containing 2a [Uniprot/SPTREMBL Acc. F1QM51]; WH2 domain-containing protein [Uniprot/SPTREMBL Acc. TBD domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KRG1]; TRAF family member-associated NFkB activator
ENSDARG00000067723	1,03	3,55E-04	7,24E-03	<i>tank</i>	
ENSDARG000000101668	1,88	3,75E-04	7,62E-03	<i>BX681417.2</i>	
ENSDARG00000070047	1,22	3,75E-04	7,62E-03	<i>rgs4</i>	Regulator of G-protein signaling 4 [Uniprot/SPTREMBL Acc. A8WGN3]; Regulator of G protein-signaling 4 [Uniprot/SPTREMBL Acc. CU464124.1
ENSDARG000000103315	2,57	3,89E-04	7,87E-03	<i>kcnj3b</i>	
ENSDARG00000062217	2,01	3,89E-04	7,87E-03	<i>BX664625.1</i>	G protein-activated inward rectifier potassium channel 1 [Uniprot/SPTREMBL Acc. E7F1N1]
ENSDARG00000043131	1,14	3,91E-04	7,90E-03	<i>bbc3</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. E7F477]
ENSDARG00000069282	1,39	3,96E-04	7,98E-03	<i>piezo1</i>	BCL2-binding component 3 [Uniprot/SPTREMBL Acc. F1QKA1]
ENSDARG00000076870	1,12	3,96E-04	7,98E-03	<i>C18H19orf54</i>	Piezo-type mechanosensitive ion channel component [Uniprot/SPTREMBL Acc. E7FD74]
ENSDARG00000039513	1,85	3,98E-04	8,01E-03	<i>zgc:92429</i>	UPF0692 protein C19orf54 homolog [Uniprot/SWISSPROT Acc. B0V3H4]
ENSDARG00000030176	2,29	3,99E-04	8,02E-03	<i>zgc:165573</i>	Zgc:92429 [Uniprot/SPTREMBL Acc. Q6DBR7]
ENSDARG000000102482	1,10	4,01E-04	8,04E-03	<i>cyp1c1</i>	Cysteine-rich and transmembrane domain-containing protein 1 [Uniprot/SWISSPROT Acc. A5PLE2]
ENSDARG000000101195	1,18	4,06E-04	8,14E-03	<i>uap1l1</i>	Cytochrome P450, family 1, subfamily C, polypeptide 1 [Uniprot/SPTREMBL Acc. A0A0R4IV82]; Cytochrome P450, family 1, UDP-N-acetylhexosamine pyrophosphorylase-like protein 1 [Uniprot/SPTREMBL Acc. F1R7J0]
ENSDARG00000013082	1,00	4,09E-04	8,17E-03	<i>slc7a7</i>	Solute carrier family 7 member 7 [Uniprot/SPTREMBL Acc. F1R8V8]
ENSDARG00000055226	0,93	4,13E-04	8,24E-03	<i>ugt5a4</i>	
ENSDARG00000097397	2,13	4,17E-04	8,30E-03	<i>gla</i>	Alpha-galactosidase [Uniprot/SPTREMBL Acc. F1Q5G5]
ENSDARG00000036155	0,97	4,24E-04	8,43E-03	<i>dicer1</i>	Endoribonuclease Dicer [Uniprot/SPTREMBL Acc. A0A0R4IDJ0]; Endoribonuclease Dicer [Uniprot/SWISSPROT Acc. Q6TV19]
ENSDARG00000001129	0,91	4,30E-04	8,50E-03	<i>prelp</i>	LRRNT domain-containing protein [Uniprot/SPTREMBL Acc. F1QY29]
ENSDARG00000070597	1,38	4,44E-04	8,76E-03	<i>dhrr13b.2</i>	Dehydrogenase/reductase (SDR family) member 13b.2 [Uniprot/SPTREMBL Acc. X1WCV9]
ENSDARG00000076483	1,26	4,47E-04	8,79E-03	<i>si:dkey-24p1.6</i>	Si:dkey-24p1.6 [Uniprot/SPTREMBL Acc. F1QGZ5]; Si:dkey-24p1.6 [Uniprot/SPTREMBL Acc. F1RBB8]
ENSDARG00000028784	1,06	4,48E-04	8,82E-03	<i>zgc:194285</i>	HTH_Tnp_Tc3_2 domain-containing protein [Uniprot/SPTREMBL Acc. B3DHT3]
ENSDARG00000078423	1,14	4,50E-04	8,85E-03	<i>si:ch1073-469d17.2</i>	
ENSDARG000000101485	2,58	4,71E-04	9,21E-03	<i>myom1a</i>	Myomesin 1a (skelemin) [Uniprot/SPTREMBL Acc. E7EYD0]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F8W488]
ENSDARG00000061249	1,76	4,74E-04	9,26E-03	<i>galnt2</i>	Polypeptide N-acetylglucosaminyltransferase [Uniprot/SPTREMBL Acc. B0V0U4]
ENSDARG00000003829	0,90	4,75E-04	9,28E-03	<i>si:dkey-78o7.3</i>	
ENSDARG000000100387	2,91	4,85E-04	9,43E-03	<i>badb</i>	BCL2-antagonist of cell death [Uniprot/SPTREMBL Acc. Q4V925]; BCL2-associated agonist of cell death b [Uniprot/SPTREMBL Acc. CU693502.1
ENSDARG00000054937	0,86	4,89E-04	9,51E-03	<i>igl4v8</i>	
ENSDARG00000097467	1,38	4,91E-04	9,52E-03	<i>ca6</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F1QVL4]
ENSDARG00000061083	6,89	4,99E-04	9,65E-03	<i>cacna1ea</i>	Carbonic anhydrase [Uniprot/SPTREMBL Acc. E7F742]; Carbonic anhydrase [Uniprot/SPTREMBL Acc. E9QB97]; Carbonate Ca_chan_IQ domain-containing protein [Uniprot/SPTREMBL Acc. A0A0J9YIY1]; Ca_chan_IQ domain-containing protein
ENSDARG00000056499	1,58	4,99E-04	9,65E-03	<i>BX927374.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KMH1]
ENSDARG00000062346	1,60	5,02E-04	9,71E-03	<i>si:dkey-286h2.3</i>	Si:dkey-286h2.3 [Uniprot/SPTREMBL Acc. F1QIJ4]
ENSDARG000000103584	1,01	5,08E-04	9,78E-03	<i>zgc:162816</i>	D-ser_dehydrat domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IJQ7]; D-ser_dehydrat domain-containing protein
ENSDARG00000068290	1,42	5,08E-04	9,79E-03	<i>LO018176.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KPH4]
ENSDARG00000070416	0,80	5,18E-04	9,92E-03	<i>xiap</i>	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. F1QMW2]
ENSDARG000000104493	0,92	5,23E-04	9,99E-03	<i>CU469568.1</i>	
ENSDARG00000016143	1,21	5,30E-04	1,01E-02	<i>slc16a7</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. F1QVM2]
ENSDARG00000051805	3,32	5,31E-04	1,01E-02	<i>BX855614.3</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KCR1]
ENSDARG00000021573	1,25	5,43E-04	1,03E-02	<i>sgms2b</i>	PAP2_C domain-containing protein [Uniprot/SPTREMBL Acc. F8W5G6]; PAP2_C domain-containing protein [Uniprot/SPTREMBL Acc. E7F7A0]
ENSDARG000000101193	2,87	5,56E-04	1,05E-02	<i>si:ch211-198m17.1</i>	SEA domain-containing protein [Uniprot/SPTREMBL Acc. E7F7A0]
ENSDARG00000036897	1,29	5,61E-04	1,05E-02	<i>aldh3a1</i>	Aldehyde dehydrogenase [Uniprot/SPTREMBL Acc. X1WBM4]
ENSDARG00000091834	1,08	5,69E-04	1,07E-02	<i>sest1</i>	SEC14 domain and spectrin repeat-containing protein 1 [Uniprot/SWISSPROT Acc. Q7SX85]
ENSDARG00000074791	1,03	5,90E-04	1,10E-02	<i>si:dkey-16p6.1</i>	
ENSDARG00000040614	0,88	5,96E-04	1,11E-02		
ENSDARG000000100164	1,10	6,18E-04	1,15E-02		

ENSDARG00000111491	1,96	6,19E-04	1,15E-02	CABZ01084501.1	Fibrinogen C-terminal domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RUH9]
ENSDARG00000004782	1,42	6,21E-04	1,15E-02	<i>fgfr3</i>	Fibroblast growth factor receptor [Uniprot/SPTREMBL Acc. B3DGT9]; Fibroblast growth factor receptor [Uniprot/SPTREMBL Acc.
ENSDARG00000102805	1,23	6,22E-04	1,15E-02	<i>cyp2aa12</i>	Cytochrome P450, family 2, subfamily AA, polypeptide 12 [Uniprot/SPTREMBL Acc. A0A0R4IQ46]; Cytochrome P450, family 2,
ENSDARG00000032264	1,32	6,30E-04	1,16E-02	<i>mybl2b</i>	V-myb avian myeloblastosis viral oncogene homolog-like 2b [Uniprot/SPTREMBL Acc. F1QGY5]; Cmyb_C domain-containing protein
ENSDARG00000071001	3,14	6,38E-04	1,17E-02	<i>nuggc.1</i>	Nuclear GTPase, germinal center-associated, tandem duplicate 1 [Uniprot/SPTREMBL Acc. F1QN58]; Nuclear GTPase, germinal
ENSDARG00000109301	1,95	6,38E-04	1,17E-02	<i>nitr6b</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F1RC12]
ENSDARG00000099717	1,61	6,37E-04	1,17E-02	<i>si:rp71-1h20.9</i>	
ENSDARG00000075561	0,94	6,39E-04	1,17E-02	<i>si:dkey-76k16.5</i>	Gly_acyl_tr_N domain-containing protein [Uniprot/SPTREMBL Acc. B8A4D3]
ENSDARG00000101636	1,26	6,46E-04	1,18E-02	<i>zgc:64201</i>	PrdX deacylase domain-containing protein 1 [Uniprot/SPTREMBL Acc. A0A0R4IHQ6]
ENSDARG00000030269	1,70	6,55E-04	1,19E-02	<i>grtp1b</i>	Rab-GAP TBC domain-containing protein [Uniprot/SPTREMBL Acc. F1Q9A1]
ENSDARG00000019025	2,64	6,72E-04	1,22E-02	<i>podn</i>	Podocan [Uniprot/SPTREMBL Acc. A0A2R8Q6X4]; LRRNT domain-containing protein [Uniprot/SPTREMBL Acc. F1R4I0]
ENSDARG00000091658	4,43	6,75E-04	1,23E-02	<i>sptssb</i>	Serine palmitoyltransferase small subunit B [Uniprot/SWISSPROT Acc. Q1RLT2]
ENSDARG00000026531	0,88	6,77E-04	1,23E-02	<i>alcama</i>	CD166 antigen homolog A [Uniprot/SPTREMBL Acc. A0A2R8PV55]; CD166 antigen homolog A [Uniprot/SPTREMBL Acc.
ENSDARG00000101696	1,27	6,83E-04	1,24E-02	<i>zgc:158316</i>	Zgc:158316 [Uniprot/SPTREMBL Acc. A1A5W7]
ENSDARG00000020956	0,99	6,84E-04	1,24E-02	<i>pck2</i>	Phosphoenolpyruvate carboxykinase (GTP) [Uniprot/SPTREMBL Acc. F1R9Y5]
ENSDARG00000034409	2,07	6,85E-04	1,24E-02	<i>pik3r3b</i>	Phosphoinositide-3-kinase, regulatory subunit 3b (gamma) [Uniprot/SPTREMBL Acc. Q7ZVW3]
ENSDARG00000003381	1,41	6,86E-04	1,24E-02	<i>si:ch211-266g18.6</i>	Si:ch211-266g18.6 [Uniprot/SPTREMBL Acc. F1QR91]
ENSDARG000000062154	0,91	6,93E-04	1,25E-02	<i>dip2ca</i>	DMAP_binding domain-containing protein [Uniprot/SPTREMBL Acc. E7FAY4]; DMAP_binding domain-containing protein
ENSDARG00000070864	1,16	6,93E-04	1,25E-02	<i>bcl6aa</i>	BCL6A transcription repressor a [Uniprot/SPTREMBL Acc. F1R5N6]
ENSDARG00000037537	1,61	7,06E-04	1,27E-02	<i>ccnq</i>	Cyclin-Q [Uniprot/SPTREMBL Acc. F1RCE1]
ENSDARG00000101189	1,19	7,07E-04	1,27E-02	<i>CR589947.2</i>	VLIG-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L562]
ENSDARG00000097677	4,06	7,13E-04	1,28E-02	<i>CU207301.2</i>	
ENSDARG00000091459	2,29	7,23E-04	1,29E-02	<i>gabara2a</i>	GABA(A) receptor subunit alpha-2 [Uniprot/SPTREMBL Acc. E7F635]; GABA(A) receptor subunit alpha-2 [Uniprot/SPTREMBL Acc.
ENSDARG00000078800	3,07	7,43E-04	1,32E-02	<i>slc26a10</i>	STAS domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RL03]; STAS domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000040705	1,19	7,46E-04	1,32E-02	<i>glsb</i>	ANK_REP_REGION domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RTW4]; Glutaminase [Uniprot/SPTREMBL Acc.
ENSDARG00000069540	0,99	7,55E-04	1,34E-02	<i>si:dkey-30c15.2</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. F1Q9E3]; G_PROTEIN_RECEP_F1_2 domain-
ENSDARG00000086421	1,36	7,59E-04	1,34E-02	<i>si:ch211-212k18.8</i>	Si:ch211-212k18.8 [Uniprot/SPTREMBL Acc. A0A1D5NS73]; Si:ch211-212k18.8 [Uniprot/SPTREMBL Acc. A0A2R8RR41]; Si:ch211-
ENSDARG00000095048	5,12	7,67E-04	1,35E-02	<i>si:dkey-250k15.7</i>	Si:dkey-250k15.7 [Uniprot/SPTREMBL Acc. E9QBN5]; Si:dkey-250k15.7 [Uniprot/SPTREMBL Acc. X1WEK1]
ENSDARG00000096809	0,86	7,67E-04	1,35E-02	<i>si:ch211-168b3.2</i>	Si:ch211-168b3.2 [Uniprot/SPTREMBL Acc. U3JA86]
ENSDARG00000100439	2,22	7,70E-04	1,35E-02	<i>zgc:153383</i>	Zgc:153383 [Uniprot/SPTREMBL Acc. A0A0R4ID99]
ENSDARG00000093932	1,14	7,84E-04	1,38E-02	<i>fr04</i>	FinTRIM family, member 4 [Uniprot/SPTREMBL Acc. A0A2R8PXU8]; RING-type domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000069471	1,44	7,91E-04	1,39E-02	<i>mhc1zca</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A4FUM4]; MHC_I-like_Ag-recog domain-containing protein
ENSDARG00000020455	6,43	7,98E-04	1,39E-02	<i>si:ch211-171h4.3</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. F6NUK2]
ENSDARG00000074588	1,20	8,15E-04	1,42E-02	<i>METT18</i>	MTS domain-containing protein [Uniprot/SPTREMBL Acc. B8A4F1]; Si:dkey-15f17.8 [Uniprot/SPTREMBL Acc. B8A4F2]
ENSDARG00000086892	3,49	8,18E-04	1,42E-02	<i>erfl1</i>	ETS domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IYA3]; ETS domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000061081	1,37	8,31E-04	1,44E-02	<i>arpp21</i>	cAMP-regulated phosphoprotein, 21 [Uniprot/SPTREMBL Acc. A0A2R9YJI6]; cAMP-regulated phosphoprotein, 21
ENSDARG00000055331	1,04	8,38E-04	1,45E-02	<i>aldh9a1a.2</i>	Aldedh domain-containing protein [Uniprot/SPTREMBL Acc. B0S7W5]
ENSDARG00000100655	1,52	8,41E-04	1,45E-02	<i>CR356223.2</i>	
ENSDARG00000067563	1,04	8,44E-04	1,46E-02	<i>kiss1rb</i>	KISS1 receptor b [Uniprot/SPTREMBL Acc. A0A0R4ID13]; KISS1 receptor b [Uniprot/SPTREMBL Acc. A0A0R4IGC1]; KISS1
ENSDARG00000069139	2,55	8,47E-04	1,46E-02	<i>grik1a</i>	Glutamate receptor, ionotropic, kainate 1a [Uniprot/SPTREMBL Acc. E7FFY8]; ANF_receptor domain-containing protein
ENSDARG00000096046	1,09	8,53E-04	1,47E-02	<i>BX649307.1</i>	
ENSDARG00000007869	1,96	8,59E-04	1,48E-02	<i>ehd3</i>	EH-domain-containing 3 [Uniprot/SPTREMBL Acc. Q5TYP7]
ENSDARG00000110366	1,20	8,63E-04	1,48E-02	<i>FO904880.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8Q5Q6]
ENSDARG00000028396	3,27	8,75E-04	1,50E-02	<i>fkbp5</i>	Peptidylprolyl isomerase [Uniprot/SPTREMBL Acc. A0A2R8RWP8]; Peptidylprolyl isomerase [Uniprot/SPTREMBL Acc. Q801U5]
ENSDARG00000059945	1,56	8,81E-04	1,50E-02	<i>sv2a</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. E7F6Z2]
ENSDARG00000059327	1,57	8,91E-04	1,52E-02	<i>gata2a</i>	GATA-binding protein 2a [Uniprot/SPTREMBL Acc. A0A0R4IKY6]; GATA-binding protein 2a [Uniprot/SPTREMBL Acc.
ENSDARG00000105112	1,46	9,10E-04	1,55E-02	<i>ntn1a</i>	Netrin 1a [Uniprot/SPTREMBL Acc. A0A0R4IN40]; Netrin-1 [Uniprot/SPTREMBL Acc. O42140]
ENSDARG00000076075	3,63	9,12E-04	1,55E-02	<i>myh7ba</i>	Myosin, heavy chain 7B, cardiac muscle, beta a [Uniprot/SPTREMBL Acc. E7FD18]; Myosin, heavy chain 7B, cardiac muscle, beta a
ENSDARG00000095339	1,37	9,18E-04	1,56E-02	<i>si:dkeyp-44a8.4</i>	
ENSDARG00000088524	3,45	9,39E-04	1,59E-02	<i>acot17</i>	Acyl-CoA thioesterase 17 [Uniprot/SPTREMBL Acc. A5PMN5]; Acyl-CoA thioesterase 17 [Uniprot/SPTREMBL Acc. Q5RH34]

ENSDARG00000075564	1,31	9,50E-04	1,61E-02	<i>fam13a</i>	Family with sequence similarity 13 member A [Uniprot/SPTREMBL Acc. E7FAA4]
ENSDARG00000004932	1,09	9,62E-04	1,63E-02	<i>anos1b</i>	Anosmin 1b [Uniprot/SPTREMBL Acc. Q1MT36]
ENSDARG00000040452	1,11	9,80E-04	1,65E-02	<i>fam214a</i>	
ENSDARG000000091131	0,92	9,89E-04	1,67E-02	<i>cry3b</i>	Photolyase/cryptochrome alpha/beta domain-containing protein [Uniprot/SPTREMBL Acc. A0A0J9YJK7]; Photolyase/cryptochrome
ENSDARG000000104083	1,99	9,98E-04	1,67E-02	<i>adgre5b.2</i>	Adhesion G protein-coupled receptor E5b, duplicate 2 [Uniprot/SPTREMBL Acc. R4GDT3]
ENSDARG00000006508	1,57	9,98E-04	1,67E-02	<i>pip5k1bb</i>	PIPK domain-containing protein [Uniprot/SPTREMBL Acc. Q66HW3]
ENSDARG00000022303	0,91	9,97E-04	1,67E-02	<i>higd1a</i>	HIG1 domain-containing protein [Uniprot/SPTREMBL Acc. Q7ZZZ4]
ENSDARG00000090903	0,91	1,00E-03	1,68E-02	<i>creb3l3b</i>	BZIP domain-containing protein [Uniprot/SPTREMBL Acc. E7FGU9]
ENSDARG00000070919	2,52	1,01E-03	1,69E-02	<i>cpne5b</i>	Copine Vb [Uniprot/SPTREMBL Acc. A0A286Y928]; Copine Vb [Uniprot/SPTREMBL Acc. Q7T296]
ENSDARG00000013221	1,39	1,02E-03	1,70E-02	<i>pde4ca</i>	Phosphodiesterase 4C, cAMP-specific a [Uniprot/SPTREMBL Acc. E9QDD6]; Phosphodiesterase [Uniprot/SPTREMBL Acc.
ENSDARG000000103220	0,85	1,02E-03	1,71E-02	<i>slc10a3</i>	Solute carrier family 10 member 3 [Uniprot/SPTREMBL Acc. A0A0R4IEF1]; Solute carrier family 10 member 3 [Uniprot/SPTREMBL
ENSDARG00000058145	1,10	1,03E-03	1,71E-02	<i>atp7b</i>	P-type Cu(+) transporter [Uniprot/SPTREMBL Acc. A0A0R4IHI0]; P-type Cu(+) transporter [Uniprot/SPTREMBL Acc. I3ITM6]
ENSDARG00000044405	1,14	1,03E-03	1,71E-02	<i>ttc4</i>	Tetratricopeptide repeat domain 4 [Uniprot/SPTREMBL Acc. F1QHZ3]
ENSDARG00000058821	1,23	1,04E-03	1,73E-02	<i>sema5a</i>	Sema domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IMM9]; Sema domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000078582	2,43	1,04E-03	1,73E-02	<i>myo16</i>	ANK_REP_REGION domain-containing protein [Uniprot/SPTREMBL Acc. B0V082]; Myosin motor domain-containing protein
ENSDARG00000026348	2,49	1,05E-03	1,74E-02	<i>csad</i>	Cysteine sulfinic acid decarboxylase [Uniprot/SPTREMBL Acc. F1QG14]; Csad protein [Uniprot/SPTREMBL Acc. Q5U3I6]
ENSDARG00000020475	0,94	1,06E-03	1,76E-02	<i>znrf1</i>	E3 ubiquitin-protein ligase znrf1 [Uniprot/SWISSPROT Acc. Q6P4U6]
ENSDARG000000097373	2,22	1,07E-03	1,77E-02	<i>fttr90</i>	FinTRIM family, member 90 [Uniprot/SPTREMBL Acc. A0A0H2UJ12]; FinTRIM family, member 90 [Uniprot/SPTREMBL Acc.
ENSDARG00000056910	4,10	1,08E-03	1,78E-02	<i>CU234171.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. E7FG37]
ENSDARG00000039666	0,77	1,08E-03	1,78E-02	<i>tsta3</i>	GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase [Uniprot/SPTREMBL Acc. Q5SPD5]
ENSDARG00000041644	5,66	1,09E-03	1,79E-02	<i>si:dkey-194e6.1</i>	Collectrin domain-containing protein [Uniprot/SPTREMBL Acc. F1QQZ6]
ENSDARG00000026990	1,19	1,14E-03	1,87E-02	<i>klhl6</i>	BTB domain-containing protein [Uniprot/SPTREMBL Acc. B8JJT0]
ENSDARG000000102776	1,00	1,14E-03	1,87E-02	<i>cxcl19</i>	SCY domain-containing protein [Uniprot/SPTREMBL Acc. A9ZPF1]
ENSDARG00000038879	1,23	1,16E-03	1,89E-02	<i>ift80</i>	WD_REPEATS_REGION domain-containing protein [Uniprot/SPTREMBL Acc. F1QXI6]
ENSDARG000000069537	1,77	1,16E-03	1,89E-02	<i>si:dkey-238c7.16</i>	
ENSDARG000000099325	1,37	1,17E-03	1,91E-02	<i>gig2i</i>	PARP catalytic domain-containing protein [Uniprot/SPTREMBL Acc. E7F7D7]
ENSDARG00000008931	1,93	1,18E-03	1,92E-02	<i>renbp</i>	GlcNAc 2-epimerase [Uniprot/SPTREMBL Acc. B0S6K7]
ENSDARG00000029406	1,66	1,19E-03	1,93E-02	<i>h2ax</i>	Histone H2AX [Uniprot/SWISSPROT Acc. Q7ZUY3]
ENSDARG00000031506	0,87	1,20E-03	1,94E-02	<i>flvcr2b</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RI22]; MFS domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000015709	0,86	1,21E-03	1,94E-02	<i>hsd17b12a</i>	Very-long-chain 3-oxoacyl-CoA reductase-A [Uniprot/SWISSPROT Acc. Q6P3L6]
ENSDARG000000053853	1,31	1,21E-03	1,95E-02	<i>slc13a2</i>	Solute carrier family 13 member 2 [Uniprot/SPTREMBL Acc. F1QZ08]
ENSDARG00000010186	2,48	1,26E-03	2,01E-02	<i>myo3a</i>	Myosin IIIA [Uniprot/SPTREMBL Acc. A0A286YBM4]; Myosin IIIA [Uniprot/SPTREMBL Acc. F1QDH9]; Myosin IIIA
ENSDARG00000018361	1,22	1,27E-03	2,02E-02	<i>sult1st3</i>	Sulfotransferase [Uniprot/SPTREMBL Acc. Q6DHG7]
ENSDARG00000030604	1,80	1,29E-03	2,04E-02	<i>phkg1a</i>	Phosphorylase kinase [Uniprot/SPTREMBL Acc. A0JME5]
ENSDARG000000096678	3,77	1,29E-03	2,05E-02	<i>si:dkey-263j23.1</i>	
ENSDARG000000099098	1,35	1,29E-03	2,05E-02	<i>LO017849.1</i>	N-acetylgalactosaminide beta-1,3-galactosyltransferase [Uniprot/SPTREMBL Acc. A0A0G2L384]
ENSDARG00000015110	2,30	1,33E-03	2,11E-02	<i>slc18a2</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. F1QVV1]
ENSDARG000000037286	0,83	1,40E-03	2,20E-02	<i>si:dkey-30k22.7</i>	Si:dkey-30k22.7 [Uniprot/SPTREMBL Acc. F1QYA0]
ENSDARG00000070271	0,93	1,42E-03	2,23E-02	<i>tut4</i>	Terminal uridylyl transferase 4 [Uniprot/SPTREMBL Acc. F6N9H6]
ENSDARG000000102934	0,93	1,44E-03	2,25E-02	<i>noa1</i>	G domain-containing protein [Uniprot/SPTREMBL Acc. A9JRX9]
ENSDARG000000097799	3,38	1,44E-03	2,25E-02	<i>zgc:194207</i>	
ENSDARG000000028048	1,19	1,46E-03	2,27E-02	<i>rdh8a</i>	Retinol dehydrogenase [Uniprot/SPTREMBL Acc. Q7T2I8]
ENSDARG000000099669	2,76	1,46E-03	2,27E-02	<i>CR927050.2</i>	
ENSDARG00000013203	3,06	1,47E-03	2,28E-02	<i>si:ch211-1f22.1</i>	Si:ch211-1f22.1 [Uniprot/SPTREMBL Acc. E7EYX3]
ENSDARG00000006427	1,15	1,47E-03	2,28E-02	<i>fabp2</i>	Fatty acid-binding protein 2 [Uniprot/SPTREMBL Acc. Q9PRH9]
ENSDARG000000099313	1,08	1,48E-03	2,29E-02	<i>naga</i>	Alpha-galactosidase [Uniprot/SPTREMBL Acc. A0A0R4IJL2]; Alpha-galactosidase [Uniprot/SPTREMBL Acc. A0A2R8QPJ2]; Alpha-
ENSDARG000000100621	1,40	1,48E-03	2,29E-02	<i>CABZ01080550.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2L8S7]; Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2LB14]
ENSDARG000000004889	0,87	1,48E-03	2,29E-02	<i>aga</i>	Aspartylglucosaminidase [Uniprot/SPTREMBL Acc. A0A140LGI7]; Aga protein [Uniprot/SPTREMBL Acc. A8KC00]
ENSDARG000000077557	1,20	1,48E-03	2,30E-02	<i>nitr5</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RI60]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000104129	1,35	1,50E-03	2,31E-02	<i>si:dkey-23n7.10</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IE49]; B30.2/SPRY domain-containing protein

ENSDARG00000052468	2,53	1,52E-03	2,33E-02	<i>gsk3bb</i>	Glycogen synthase kinase-3 beta [Uniprot/SPTREMBL Acc. B8JIQ1]
ENSDARG000000101653	0,83	1,51E-03	2,33E-02	<i>zgc:110171</i>	Zgc:110171 [Uniprot/SPTREMBL Acc. A0A0R4IXZ2]; Zgc:110171 [Uniprot/SPTREMBL Acc. A0A2R8QAF7]; NACHT domain-
ENSDARG00000075569	1,14	1,52E-03	2,33E-02	<i>gppp11</i>	GC-rich promoter-binding protein 1-like 1 [Uniprot/SPTREMBL Acc. A0A0R4IH70]
ENSDARG00000052030	0,87	1,52E-03	2,33E-02	<i>akr1a1b</i>	Aldo_ket_red domain-containing protein [Uniprot/SPTREMBL Acc. E9QDZ5]; Aldo_ket_red domain-containing protein
ENSDARG000000100249	1,90	1,52E-03	2,33E-02	<i>si:ch211-266k2.1</i>	Si:ch211-266k2.1 [Uniprot/SPTREMBL Acc. A0A0R4IDL7]
ENSDARG00000053215	2,26	1,53E-03	2,34E-02	<i>me1</i>	Malic enzyme [Uniprot/SPTREMBL Acc. A0A286Y7Z2]; Malic enzyme [Uniprot/SPTREMBL Acc. F1QAX1]; Malic enzyme
ENSDARG00000069438	0,91	1,53E-03	2,34E-02	<i>neur1aa</i>	Neuralized E3 ubiquitin protein ligase 1Aa [Uniprot/SPTREMBL Acc. A0JML9]
ENSDARG00000017163	2,13	1,54E-03	2,35E-02	<i>sinup</i>	Siaz-interacting nuclear protein [Uniprot/SPTREMBL Acc. Q1RM31]; Siaz-interacting nuclear protein [Uniprot/SPTREMBL Acc.
ENSDARG00000053526	0,98	1,55E-03	2,37E-02	<i>enpp7.1</i>	Ectonucleotide pyrophosphatase/phosphodiesterase 7, tandem duplicate 1 [Uniprot/SPTREMBL Acc. F6NXI2]
ENSDARG00000070025	1,16	1,57E-03	2,38E-02	<i>dchs1a</i>	Dachsous cadherin-related 1a [Uniprot/SPTREMBL Acc. X1WDW2]
ENSDARG00000098821	1,09	1,58E-03	2,41E-02	<i>sec14l1</i>	GOLD domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IHE3]; SEC14-like lipid-binding 1 [Uniprot/SPTREMBL Acc.
ENSDARG00000092731	1,02	1,59E-03	2,41E-02	<i>mhc1uka</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. E9QC63]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000105375	1,72	1,61E-03	2,44E-02	<i>si:ch211-285c6.5</i>	Si:ch211-285c6.5 [Uniprot/SPTREMBL Acc. A0A140LFV9]
ENSDARG00000061120	1,55	1,62E-03	2,45E-02	<i>slc43a2b</i>	Solute carrier family 43 member 2b [Uniprot/SPTREMBL Acc. A0A2R8QSV3]; Solute carrier family 43 member 2b
ENSDARG00000035602	2,19	1,65E-03	2,48E-02	<i>dao.1</i>	DAO domain-containing protein [Uniprot/SPTREMBL Acc. A2BGT3]
ENSDARG00000057531	0,92	1,70E-03	2,55E-02	<i>pgap3</i>	Post-GPI attachment to proteins factor 3 [Uniprot/SPTREMBL Acc. F1QPY1]; Post-GPI attachment to proteins factor 3
ENSDARG00000092351	3,84	1,71E-03	2,56E-02	<i>BX649478.1</i>	
ENSDARG00000079455	3,40	1,71E-03	2,56E-02	<i>nlgn4xa</i>	COesterase domain-containing protein [Uniprot/SPTREMBL Acc. F1Q7W8]; COesterase domain-containing protein
ENSDARG000000100864	4,54	1,72E-03	2,57E-02	<i>BX004873.1</i>	
ENSDARG000000113896	1,46	1,72E-03	2,57E-02	<i>si:dkey-29p23.1</i>	Si:dkey-29p23.1 [Uniprot/SPTREMBL Acc. A0A2R8QPY6]; NACHT domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000075375	1,97	1,73E-03	2,58E-02	<i>zgc:171501</i>	Zgc:171501 [Uniprot/SPTREMBL Acc. A9C4A0]; Zgc:171501 [Uniprot/SPTREMBL Acc. F1R3C0]
ENSDARG00000055455	1,05	1,73E-03	2,58E-02	<i>gpm6aa</i>	DMbeta1 [Uniprot/SPTREMBL Acc. Q8UUT4]
ENSDARG00000093386	6,74	1,75E-03	2,60E-02	<i>si:dkeyp-82a.1.1</i>	
ENSDARG00000042630	1,33	1,75E-03	2,60E-02	<i>hebp2</i>	Heme-binding protein 2 [Uniprot/SPTREMBL Acc. Q5SPA1]; Heme-binding protein 2 [Uniprot/SPTREMBL Acc. U3JA37]
ENSDARG00000035895	3,17	1,77E-03	2,61E-02	<i>fncl5b</i>	Fibronectin type-III domain-containing protein [Uniprot/SPTREMBL Acc. B7ZVM3]; DUF4808 domain-containing protein
ENSDARG00000011257	1,79	1,76E-03	2,61E-02	<i>enpp2</i>	Ectonucleotide pyrophosphatase/phosphodiesterase 2 [Uniprot/SPTREMBL Acc. Q6PGY9]
ENSDARG00000091419	1,05	1,78E-03	2,63E-02	<i>nrarpa</i>	Notch-regulated ankyrin repeat-containing protein A [Uniprot/SWISSPROT Acc. Q7T3Y0]
ENSDARG00000008238	0,86	1,79E-03	2,64E-02	<i>manba</i>	Beta-mannosidase [Uniprot/SPTREMBL Acc. A0A2R8Q808]; Beta-mannosidase [Uniprot/SPTREMBL Acc. F1QSS4]
ENSDARG00000009280	2,49	1,82E-03	2,68E-02	<i>smvd1a</i>	SET and MYND domain-containing 1a [Uniprot/SPTREMBL Acc. F1QDG9]; SET and MYND domain-containing 1a
ENSDARG00000055443	0,87	1,84E-03	2,70E-02	<i>zcchc7</i>	Zinc finger, CCHC domain-containing 7 [Uniprot/SPTREMBL Acc. F1QLY2]
ENSDARG00000043398	1,24	1,91E-03	2,77E-02	<i>nitr2a</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. B3DKB6]
ENSDARG00000060756	0,74	1,91E-03	2,77E-02	<i>abhd6a</i>	
ENSDARG00000073847	2,61	1,92E-03	2,78E-02	<i>rbm15</i>	RNA-binding motif protein 15 [Uniprot/SPTREMBL Acc. F1RCY7]
ENSDARG00000043799	1,53	1,92E-03	2,78E-02	<i>zmp:0000000619</i>	
ENSDARG00000029463	1,29	2,03E-03	2,91E-02	<i>asap1a</i>	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1a [Uniprot/SPTREMBL Acc. A0A0R4IM47]; ArfGAP with SH3 domain,
ENSDARG00000093043	0,83	2,05E-03	2,95E-02	<i>ugt2a7</i>	UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. E7F553]; UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. F1QG53]
ENSDARG00000004979	0,75	2,06E-03	2,96E-02	<i>elovl5</i>	Elongation of very long chain fatty acids protein [Uniprot/SPTREMBL Acc. A0A0R4IJ47]; Elongation of very long chain fatty acids
ENSDARG000000101721	2,24	2,09E-03	2,99E-02	<i>LO018584.1</i>	Phospholipase A(2) [Uniprot/SPTREMBL Acc. A0A0G2L560]
ENSDARG000000101849	1,24	2,10E-03	3,01E-02	<i>adipor2</i>	Adiponectin receptor 2 [Uniprot/SPTREMBL Acc. Q5TYU5]
ENSDARG00000099525	1,01	2,10E-03	3,01E-02	<i>si:ch1073-13h15.3</i>	Amino_oxidase domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4I9J2]
ENSDARG00000035852	2,21	2,11E-03	3,01E-02	<i>cart3</i>	Cocaine- and amphetamine-regulated transcript protein [Uniprot/SPTREMBL Acc. F1QZX9]
ENSDARG00000042904	1,49	2,14E-03	3,05E-02	<i>foxo3b</i>	Fork-head domain-containing protein [Uniprot/SPTREMBL Acc. Q5TYS1]
ENSDARG00000059388	1,17	2,14E-03	3,05E-02	<i>bdh1</i>	3-hydroxybutyrate dehydrogenase, type 1 [Uniprot/SPTREMBL Acc. F1R9B4]
ENSDARG00000076779	0,85	2,15E-03	3,06E-02	<i>fam13b</i>	Rho-GAP domain-containing protein [Uniprot/SPTREMBL Acc. A0A140LFW1]; Rho-GAP domain-containing protein
ENSDARG000000100166	1,23	2,19E-03	3,10E-02	<i>si:dkeyp-9d4.3</i>	
ENSDARG00000011618	1,37	2,21E-03	3,12E-02	<i>slc26a2</i>	Sulfate transporter [Uniprot/SPTREMBL Acc. E7F9I7]
ENSDARG000000103937	1,22	2,22E-03	3,14E-02	<i>ndrg4</i>	NDRG family member 4 [Uniprot/SPTREMBL Acc. A0A0R4IAD5]; NDRG family member 4 [Uniprot/SPTREMBL Acc. A0A0R4ICQ1];
ENSDARG00000092671	0,69	2,22E-03	3,14E-02	<i>pard3ba</i>	Par-3 family cell polarity regulator beta a [Uniprot/SPTREMBL Acc. A0A0H2UKQ5]
ENSDARG00000058945	4,16	2,23E-03	3,14E-02	<i>acot22</i>	Acyl-CoA thioesterase 22 [Uniprot/SPTREMBL Acc. F6NRN3]
ENSDARG00000013312	0,75	2,23E-03	3,14E-02	<i>cadps2</i>	Ca++-dependent secretion activator 2 [Uniprot/SPTREMBL Acc. F1RCG6]; MHD1 domain-containing protein [Uniprot/SPTREMBL

ENSDARG00000039832	1,24	2,24E-03	3,15E-02	<i>gsta.2</i>	Glutathione transferase [Uniprot/SPTREMBL Acc. F1QN63]
ENSDARG000000101828	0,79	2,24E-03	3,15E-02	<i>si:dkey-16p6.1</i>	
ENSDARG000000093446	4,94	2,25E-03	3,15E-02	<i>BX649502.7</i>	
ENSDARG000000026296	0,96	2,29E-03	3,20E-02	<i>zgc:112994</i>	Zgc:112994 [Uniprot/SPTREMBL Acc. A0A0J9YIW7]; Zgc:112994 [Uniprot/SPTREMBL Acc. F1QLP5]
ENSDARG00000078474	2,63	2,32E-03	3,24E-02	<i>myo15ab</i>	MyTH4 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QNQ4]; SH3 domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000102018	0,70	2,32E-03	3,24E-02	<i>btr25</i>	Bloodthirsty-related gene family, member 25 [Uniprot/SPTREMBL Acc. A0A0J9YJC0]; Bloodthirsty-related gene family, member 25
ENSDARG00000002779	1,57	2,33E-03	3,24E-02	<i>pdx1</i>	Homeobox domain-containing protein [Uniprot/SPTREMBL Acc. F1RBA3]
ENSDARG00000093338	5,05	2,36E-03	3,27E-02	<i>BX088709.1</i>	
ENSDARG000000097650	1,27	2,36E-03	3,27E-02	<i>atg2b</i>	Chorein_N domain-containing protein [Uniprot/SPTREMBL Acc. X1WFB6]
ENSDARG000000040971	0,98	2,36E-03	3,27E-02	<i>zgc:92606</i>	Zgc:92606 [Uniprot/SPTREMBL Acc. Q6DH82]
ENSDARG000000069292	2,81	2,37E-03	3,27E-02	<i>acot16</i>	Acyl-CoA thioesterase 16 [Uniprot/SPTREMBL Acc. F1QK96]; Acyl-CoA thioesterase 16 [Uniprot/SPTREMBL Acc. Q5RHG6]; Acyl-
ENSDARG00000075053	1,31	2,37E-03	3,28E-02	<i>sccpdha.2</i>	Sacchrrp_dh_NADP domain-containing protein [Uniprot/SPTREMBL Acc. E7FAL8]
ENSDARG000000109428	1,66	2,38E-03	3,28E-02	<i>prf1.7</i>	Perforin 1.7 [Uniprot/SPTREMBL Acc. I3ITP0]
ENSDARG000000063594	1,16	2,40E-03	3,31E-02	<i>hipk1a</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QST5]; Protein kinase domain-containing protein
ENSDARG000000020708	1,18	2,40E-03	3,31E-02	<i>mdkb</i>	Midkine b [Uniprot/SPTREMBL Acc. Q9DDG2]
ENSDARG000000099719	2,11	2,41E-03	3,31E-02	<i>cdkn1d</i>	Cyclin-dependent kinase inhibitor 1D [Uniprot/SPTREMBL Acc. A0A0R4IHK7]
ENSDARG000000052578	2,63	2,42E-03	3,32E-02	<i>c6ast4</i>	Six-cysteine-containing astacin protease 4 [Uniprot/SPTREMBL Acc. A0A1D5NS64]; Metalloendopeptidase [Uniprot/SPTREMBL Acc.
ENSDARG000000097605	4,10	2,43E-03	3,33E-02	<i>CU137681.1</i>	
ENSDARG000000057687	2,62	2,44E-03	3,33E-02	<i>sbk3</i>	
ENSDARG000000063299	1,46	2,45E-03	3,34E-02	<i>pcloa</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. A8WZFZ8]; Protein kinase domain-containing protein
ENSDARG000000102725	1,37	2,46E-03	3,35E-02	<i>CABZ01081909.1</i>	Piccolo presynaptic cytomatrix protein a [Uniprot/SPTREMBL Acc. A0A2R8Q9B4]; Piccolo presynaptic cytomatrix protein a
ENSDARG00000045968	0,81	2,54E-03	3,45E-02	<i>spg11</i>	
ENSDARG000000104807	1,23	2,55E-03	3,45E-02	<i>si:ch73-221f6.3</i>	Spatacsin_C domain-containing protein [Uniprot/SPTREMBL Acc. A0A0H2UKL6]; Spatacsin_C domain-containing protein
ENSDARG000000029075	1,76	2,55E-03	3,46E-02	<i>pfkfb4b</i>	Si:ch73-221f6.3 [Uniprot/SPTREMBL Acc. A0A0R4IPB2]; Si:ch73-221f6.3 [Uniprot/SPTREMBL Acc. A0A0R4IUE4]; Si:ch73-221f6.3
ENSDARG000000073773	0,86	2,58E-03	3,49E-02	<i>tit2</i>	6-phosphofructo-2-kinase [Uniprot/SPTREMBL Acc. F6NIB1]; 6-phosphofructo-2-kinase [Uniprot/SPTREMBL Acc. F6NXI0]
ENSDARG000000068910	1,49	2,59E-03	3,49E-02	<i>nos1</i>	TELO2-interacting protein 2 [Uniprot/SPTREMBL Acc. E7F592]; TELO2-interacting protein 2 [Uniprot/SPTREMBL Acc. F8W420]
ENSDARG00000016011	1,29	2,60E-03	3,50E-02	<i>gpcpd1</i>	Nitric oxide synthase [Uniprot/SPTREMBL Acc. A0A0R4IQG7]
ENSDARG000000061375	0,83	2,59E-03	3,50E-02	<i>sgpl1</i>	Glycerophosphocholine phosphodiesterase 1 [Uniprot/SPTREMBL Acc. Q1LVM1]; Glycerophosphocholine phosphodiesterase 1
ENSDARG000000060641	1,57	2,62E-03	3,52E-02	<i>prkaa2</i>	Sphingosine-1-phosphate lyase 1 [Uniprot/SPTREMBL Acc. A0A2R8Q3N8]; Sgpl1 protein [Uniprot/SPTREMBL Acc. A4QNU7];
ENSDARG000000026801	0,77	2,64E-03	3,55E-02	<i>stau2</i>	Acetyl-CoA carboxylase kinase [Uniprot/SPTREMBL Acc. E7F9C4]
ENSDARG000000027750	0,73	2,65E-03	3,56E-02	<i>dpp7</i>	Double-stranded RNA-binding protein Stauf homolog 2 [Uniprot/SPTREMBL Acc. F1QJT6]
ENSDARG000000092829	1,02	2,65E-03	3,56E-02	<i>CR589943.1</i>	Dipeptidyl-peptidase 7 [Uniprot/SPTREMBL Acc. A0A286YA26]; Dipeptidyl-peptidase 7 [Uniprot/SPTREMBL Acc. A5WWD7];
ENSDARG000000032820	1,15	2,67E-03	3,57E-02	<i>rxfp2a</i>	
ENSDARG000000057017	1,94	2,68E-03	3,58E-02	<i>slc6a4b</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. E9QCF6]
ENSDARG000000104207	0,82	2,68E-03	3,58E-02	<i>pcyt1bb</i>	Transporter [Uniprot/SPTREMBL Acc. B3DJ31]
ENSDARG00000005232	0,81	2,70E-03	3,60E-02	<i>ccdc85ca</i>	CTP_transf_like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IKK6]
ENSDARG000000073876	0,93	2,71E-03	3,61E-02	<i>si:ch1073-165f9.2</i>	Coiled-coil domain-containing protein 85C-A [Uniprot/SWISSPROT Acc. Q0P485]
ENSDARG000000059646	1,57	2,74E-03	3,64E-02	<i>nt5dc2</i>	Si:ch1073-165f9.2 [Uniprot/SPTREMBL Acc. A0A2R8QDL0]; Si:ch1073-165f9.2 [Uniprot/SPTREMBL Acc. E7F5T1]
ENSDARG000000113271	1,39	2,79E-03	3,70E-02	<i>CABZ01056628.1</i>	5'-nucleotidase domain-containing 2 [Uniprot/SPTREMBL Acc. Q08C96]
ENSDARG000000061515	1,87	2,81E-03	3,72E-02	<i>tmtops2a</i>	
ENSDARG000000018621	1,40	2,83E-03	3,75E-02	<i>slc6a19a.1</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. R9R6C7]
ENSDARG000000031814	1,05	2,85E-03	3,77E-02	<i>dhrrs13b.1</i>	Transporter [Uniprot/SPTREMBL Acc. A5D6R9]
ENSDARG000000020693	1,50	2,88E-03	3,80E-02	<i>sesn1</i>	Dehydrogenase/reductase (SDR family) member 13b.1 [Uniprot/SPTREMBL Acc. A9JT23]; Dehydrogenase/reductase (SDR family)
ENSDARG000000095615	1,90	2,89E-03	3,81E-02	<i>si:dkeyp-86h10.3</i>	Sestrin 1 [Uniprot/SPTREMBL Acc. Q5RGN4]; Sestrin 1 [Uniprot/SPTREMBL Acc. Q6DG05]; Sestrin 1 [Uniprot/SPTREMBL Acc.
ENSDARG000000002210	1,57	2,93E-03	3,84E-02	<i>stk25a</i>	
ENSDARG000000092806	1,18	2,96E-03	3,87E-02	<i>si:ch1073-110a20.2</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. F8W562]
ENSDARG000000040277	1,53	3,00E-03	3,91E-02	<i>fbxo32</i>	Fibrinogen C-terminal domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QH4]; Fibrinogen C-terminal domain-containing
ENSDARG000000068468	1,72	3,01E-03	3,91E-02	<i>dnah3</i>	F-box domain-containing protein [Uniprot/SPTREMBL Acc. F1R1Z0]
ENSDARG000000067850	0,97	3,01E-03	3,91E-02	<i>jund</i>	Dynein axonemal heavy chain 3 [Uniprot/SPTREMBL Acc. A0A2R8PVA8]; AAA_6 domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000031100	0,84	3,01E-03	3,92E-02	<i>ivns1abpa</i>	Transcription factor jun-D [Uniprot/SPTREMBL Acc. B0V1Q6]
					Influenza virus NS1A-binding protein homolog A [Uniprot/SWISSPROT Acc. Q5RG82]

ENSDARG00000093521	2,29	3,02E-03	3,92E-02	<i>b3gnt3.3</i>	Hexosyltransferase [Uniprot/SPTREMBL Acc. B0UXE0]
ENSDARG00000061288	1,58	3,06E-03	3,96E-02	<i>kcnk4</i>	BTB domain-containing protein [Uniprot/SPTREMBL Acc. A5WUQ2]; BTB domain-containing protein [Uniprot/SPTREMBL Acc. KISS-1 metastasis suppressor [Uniprot/SPTREMBL Acc. A8C5J1]
ENSDARG00000075829	4,20	3,06E-03	3,96E-02	<i>kiss1</i>	
ENSDARG000000101213	0,75	3,08E-03	3,99E-02	<i>CU278559.1</i>	
ENSDARG00000053026	0,95	3,13E-03	4,03E-02	<i>kif19</i>	Kinesin-like protein [Uniprot/SPTREMBL Acc. F1QET8]; Kinesin-like protein [Uniprot/SPTREMBL Acc. X1WIFY5]
ENSDARG00000003421	1,18	3,14E-03	4,04E-02	<i>igf2bp2a</i>	Insulin-like growth factor 2 mRNA-binding protein 2a [Uniprot/SPTREMBL Acc. A0A0B4J1B0]; Insulin-like growth factor 2 mRNA-
ENSDARG00000098995	3,25	3,15E-03	4,04E-02	<i>cyp2k6</i>	Cytochrome P450 2K6 [Uniprot/SWISSPROT Acc. F1Q8C3]
ENSDARG000000106158	3,96	3,16E-03	4,04E-02	<i>TP53l3</i>	PKS_ER domain-containing protein [Uniprot/SPTREMBL Acc. A0A286YBA3]; PKS_ER domain-containing protein
ENSDARG00000036912	1,77	3,16E-03	4,04E-02	<i>edn1</i>	Endothelin 1 [Uniprot/SPTREMBL Acc. A5WW41]
ENSDARG00000029305	1,32	3,15E-03	4,04E-02	<i>baiap2l1a</i>	BAR/IMD domain-containing adaptor protein 2-like 1a [Uniprot/SPTREMBL Acc. E7F8C7]
ENSDARG00000099819	1,42	3,17E-03	4,05E-02	<i>sb:cb1058</i>	
ENSDARG00000041252	1,17	3,19E-03	4,07E-02	<i>gemin4</i>	
ENSDARG00000095556	0,85	3,19E-03	4,07E-02	<i>CR318588.4</i>	Gem (nuclear organelle)-associated protein 4 [Uniprot/SPTREMBL Acc. F1R759]
ENSDARG00000091951	2,27	3,20E-03	4,08E-02	<i>nuggc.2</i>	
ENSDARG00000093592	2,23	3,21E-03	4,09E-02	<i>CR391910.2</i>	
ENSDARG00000094696	3,16	3,22E-03	4,10E-02	<i>si:dkey-201c13.2</i>	
ENSDARG000000103038	1,25	3,23E-03	4,11E-02	<i>pik3r3a</i>	Phosphoinositide-3-kinase, regulatory subunit 3a (gamma) [Uniprot/SPTREMBL Acc. A0A0R4IUJ2]; Phosphoinositide-3-kinase,
ENSDARG00000089200	1,31	3,25E-03	4,12E-02	<i>si:dkey-103g5.4</i>	Ephrin_rec_like domain-containing protein [Uniprot/SPTREMBL Acc. X1WD96]
ENSDARG000000102153	1,48	3,26E-03	4,14E-02	<i>nrp1a</i>	Neuropilin [Uniprot/SPTREMBL Acc. A0A0R4IFP8]; Neuropilin [Uniprot/SPTREMBL Acc. A0A2R8RMW2]; Neuropilin
ENSDARG00000046012	1,01	3,27E-03	4,15E-02	<i>slc47a1</i>	Multidrug and toxin extrusion protein [Uniprot/SPTREMBL Acc. A0A0R4ILJ3]; Multidrug and toxin extrusion protein
ENSDARG00000043814	0,67	3,31E-03	4,19E-02	<i>st6galnac1.1</i>	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1, tandem duplicate 1
ENSDARG00000073764	1,21	3,32E-03	4,20E-02	<i>si:ch211-113j14.1</i>	Si:ch211-113j14.1 [Uniprot/SPTREMBL Acc. E7F3G8]
ENSDARG00000053802	2,84	3,34E-03	4,21E-02	<i>cbfn5</i>	
ENSDARG00000068231	0,81	3,36E-03	4,24E-02	<i>CABZ01062083.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. E7F1M7]
ENSDARG00000011975	0,99	3,37E-03	4,25E-02	<i>fmn1</i>	FH2 domain-containing protein [Uniprot/SPTREMBL Acc. Q5RIQ7]
ENSDARG00000054847	1,59	3,48E-03	4,35E-02	<i>xcr1a.1</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. E7FA08]; G_PROTEIN_RECEP_F1_2 domain-
ENSDARG00000099099	0,92	3,48E-03	4,35E-02	<i>CABZ01015815.1</i>	
ENSDARG00000014137	0,94	3,49E-03	4,35E-02	<i>picalmb</i>	ENTH domain-containing protein [Uniprot/SPTREMBL Acc. A0A286YAZ9]; ENTH domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000015495	0,89	3,51E-03	4,37E-02	<i>klf3</i>	Kruppel-like factor 3 (basic) [Uniprot/SPTREMBL Acc. A2BG67]
ENSDARG00000042825	0,66	3,56E-03	4,42E-02	<i>rmf169</i>	E3 ubiquitin-protein ligase RNF169 [Uniprot/SWISSPROT Acc. E7FAP1]
ENSDARG00000058946	0,74	3,58E-03	4,45E-02	<i>CU856539.2</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. F1QIJ5]
ENSDARG00000042214	4,38	3,60E-03	4,47E-02	<i>tmem243a</i>	Transmembrane protein 243, mitochondrial a [Uniprot/SPTREMBL Acc. A5WVM7]; Transmembrane protein 243, mitochondrial a
ENSDARG00000063538	0,67	3,61E-03	4,48E-02	<i>kalrn</i>	Kalirin RhoGEF kinase b [Uniprot/SPTREMBL Acc. A0A0R4IJ99]; Kalirin RhoGEF kinase b [Uniprot/SPTREMBL Acc. A0A0R4IVJ3];
ENSDARG00000005425	0,72	3,62E-03	4,48E-02	<i>wdfy1</i>	WD repeat and FYVE domain-containing 1 [Uniprot/SPTREMBL Acc. Q4VBV0]
ENSDARG00000063167	0,76	3,63E-03	4,49E-02	<i>chkb</i>	Choline kinase beta [Uniprot/SPTREMBL Acc. Q1LXT9]
ENSDARG00000067729	1,45	3,64E-03	4,50E-02	<i>arid3c</i>	AT-rich interactive domain-containing protein 3A [Uniprot/SWISSPROT Acc. A2BEA6]
ENSDARG000000100578	0,89	3,66E-03	4,52E-02	<i>si:dkeyp-90h9.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4ISD0]; NACHT domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000054202	2,95	3,72E-03	4,58E-02	<i>hbl4</i>	C-type lectin domain-containing protein [Uniprot/SPTREMBL Acc. F1RBU9]
ENSDARG00000019360	0,82	3,77E-03	4,62E-02	<i>sec23b</i>	Protein transport protein SEC23 [Uniprot/SPTREMBL Acc. F1R7W8]; Protein transport protein SEC23 [Uniprot/SPTREMBL Acc.
ENSDARG00000009262	1,02	3,80E-03	4,65E-02	<i>FAR2</i>	Fatty acyl-CoA reductase [Uniprot/SPTREMBL Acc. Q1L8Q4]
ENSDARG00000070094	0,65	3,80E-03	4,65E-02	<i>sytl1</i>	Synaptotagmin-like 1 [Uniprot/SPTREMBL Acc. Q1L8P2]
ENSDARG00000095345	1,51	3,81E-03	4,66E-02	<i>fr09</i>	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q4R4]; FinTRIM family, member 9 [Uniprot/SPTREMBL Acc.
ENSDARG00000087186	0,89	3,81E-03	4,66E-02	<i>si:ch211-232b12.5</i>	Homeobox domain-containing protein [Uniprot/SPTREMBL Acc. E7EY09]
ENSDARG00000079148	1,60	3,86E-03	4,71E-02	<i>nckap5l</i>	KAT8 regulatory NSL complex subunit 2 [Uniprot/SPTREMBL Acc. A9JTE3]; NCKAP5 domain-containing protein
ENSDARG000000114166	1,01	3,90E-03	4,76E-02	<i>CABZ01002349.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q866]
ENSDARG000000031533	0,72	3,91E-03	4,76E-02	<i>ap5m1</i>	AP-5 complex subunit mu-1 [Uniprot/SPTREMBL Acc. F1Q5F9]
ENSDARG000000110616	0,89	3,92E-03	4,77E-02	<i>CABZ01068209.1</i>	GB1/RHD3-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QDK8]
ENSDARG000000053474	1,00	3,93E-03	4,78E-02	<i>tdrk</i>	KH domain-containing protein [Uniprot/SPTREMBL Acc. E9QJ41]; Tudor and KH domain-containing [Uniprot/SPTREMBL Acc.
ENSDARG00000014624	2,19	3,93E-03	4,78E-02	<i>si:dkeyp-94g1.1</i>	
ENSDARG00000078842	1,83	3,94E-03	4,78E-02	<i>tns1a</i>	Tensin 1a [Uniprot/SPTREMBL Acc. A0A0R4IWR5]; Tensin 1a [Uniprot/SPTREMBL Acc. E7F355]

ENSDARG00000074120	1,21	3,94E-03	4,78E-02	<i>usp2b</i>	Ubiquitin carboxyl-terminal hydrolase [Uniprot/SPTREMBL Acc. F1RDC7]
ENSDARG00000068030	1,29	3,98E-03	4,82E-02	<i>si:cabz01007802.1</i>	Si:cabz01007802.1 [Uniprot/SPTREMBL Acc. A0A2R8QIN9]; Si:cabz01007802.1 [Uniprot/SPTREMBL Acc. E7F980]
ENSDARG00000043798	1,83	3,99E-03	4,83E-02	<i>ms4a17a.1</i>	Membrane-spanning 4-domains, subfamily A, member 17A.1 [Uniprot/SPTREMBL Acc. A5WUU5]; Membrane-spanning 4-domains,
ENSDARG000000104684	1,38	4,01E-03	4,84E-02	<i>trdc</i>	
ENSDARG00000075041	1,81	4,01E-03	4,84E-02	<i>fmnl2b</i>	Formin-like 2b [Uniprot/SPTREMBL Acc. A0A2R8QDH2]; Formin-like 2b [Uniprot/SPTREMBL Acc. A0A2R8RYU9]; Formin-like 2b
ENSDARG00000026784	0,90	4,04E-03	4,86E-02	<i>robo1</i>	Roundabout, axon guidance receptor, homolog 1 (Drosophila) [Uniprot/SPTREMBL Acc. A2CEN2]; Roundabout, axon guidance
ENSDARG00000039064	0,68	4,07E-03	4,89E-02	<i>st3gal7</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 7 [Uniprot/SPTREMBL Acc. Q08BF4]
ENSDARG000000104028	0,73	4,07E-03	4,89E-02	<i>si:dkey-74k8.3</i>	Si:dkey-74k8.3 [Uniprot/SPTREMBL Acc. A0A0R4IJB1]; Si:dkey-74k8.3 [Uniprot/SPTREMBL Acc. A0A0R4IUX5]
ENSDARG00000026406	3,58	4,10E-03	4,91E-02	<i>anxa5a</i>	Annexin [Uniprot/SPTREMBL Acc. F1QKN3]
ENSDARG00000077073	0,86	4,10E-03	4,91E-02	<i>tanc1a</i>	
ENSDARG00000042853	0,80	4,17E-03	4,98E-02	<i>ivd</i>	Acyl-CoA_dh_N domain-containing protein [Uniprot/SPTREMBL Acc. E9QEY6]; Butyryl-CoA dehydrogenase [Uniprot/SPTREMBL

Supplementary Table 2b. Downregulated genes in transgenic males after ASIP overexpression

Gene ID	logFC	P-value	FDR	Gene name	Gene description
ENSDARG00000079703	-14.51	2.00E-97	3.61E-93	<i>si:dkey-18p12.4</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. B0S6Z7]
ENSDARG00000071662	-11.07	1.91E-63	8.59E-60	<i>si:rp71-36a1.3</i>	Si:rp71-36a1.3 [Uniprot/SPTREMBL Acc. F1Q8G5]
ENSDARG00000090600	-10.13	6.08E-63	1.82E-59	<i>si:ch211-213a13.1</i>	
ENSDARG000000105466	-12.61	6.64E-60	1.71E-56	<i>si:dkey-125e8.5</i>	
ENSDARG00000079645	-11.32	7.82E-60	1.76E-56	<i>sc:d217</i>	Sc:d217 [Uniprot/SPTREMBL Acc. A0A0R4ISJ9]
ENSDARG00000070203	-11.24	3.61E-52	7.22E-49	<i>si:dkey-13e3.1</i>	ULP_PROTEASE domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q9A8]; ULP_PROTEASE domain-containing protein
ENSDARG00000095013	-4.98	6.62E-52	1.08E-48	<i>si:dkey-240n22.3</i>	Si:dkey-240n22.3 [Uniprot/SPTREMBL Acc. A0A0A0MPU9]
ENSDARG000000104895	-14.36	1.38E-51	2.07E-48	<i>BX004857.1</i>	AAA domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KP10]
ENSDARG00000097459	-12.96	2.50E-48	3.21E-45	<i>si:dkey-125e8.3</i>	Si:dkey-125e8.3 [Uniprot/SPTREMBL Acc. X1WH15]
ENSDARG000000105675	-5.15	3.31E-47	3.73E-44	<i>BX005417.3</i>	
ENSDARG00000029232	-6.06	3.62E-45	3.63E-42	<i>FO704779.1</i>	AlG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. E7FB21]; AlG1-type G domain-containing protein
ENSDARG00000099511	-8.36	5.00E-45	4.74E-42	<i>CAB201034698.2</i>	
ENSDARG00000093024	-4.63	6.95E-44	6.27E-41	<i>si:ch211-213a13.2</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0N4SU76]; Si:ch211-213a13.2 [Uniprot/SPTREMBL Acc.
ENSDARG000000117506	-11.24	5.37E-43	4.40E-40	<i>BX322792.1</i>	
ENSDARG00000071553	-10.47	5.33E-43	4.40E-40	<i>zgc:171500</i>	Zgc:171500 [Uniprot/SPTREMBL Acc. A8KB32]
ENSDARG000000117704	-13.26	3.13E-40	2.45E-37	<i>BX322792.2</i>	
ENSDARG00000039888	-11.32	5.01E-39	3.76E-36	<i>CR855393.1</i>	AAA domain-containing protein [Uniprot/SPTREMBL Acc. F1R3F6]
ENSDARG00000071648	-8.24	6.95E-37	4.32E-34	<i>zgc:113298</i>	Zgc:113298 [Uniprot/SPTREMBL Acc. F1R693]; Zgc:113298 [Uniprot/SPTREMBL Acc. F8W457]
ENSDARG00000094133	-4.43	7.70E-37	4.62E-34	<i>wu:fc21g02</i>	
ENSDARG00000036588	-4.38	2.05E-36	1.15E-33	<i>mhc1zba</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A8E7F4]
ENSDARG00000076398	-10.92	5.06E-36	2.76E-33	<i>si:dkey-201l21.4</i>	Septin-type G domain-containing protein [Uniprot/SPTREMBL Acc. B0V1L0]
ENSDARG00000074546	-3.82	7.68E-36	3.96E-33	<i>si:ch211-213a13.2</i>	Si:ch211-213a13.2 [Uniprot/SPTREMBL Acc. A0A2R8Q2Q7]; NACHT domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000091624	-3.84	1.05E-34	5.13E-32	<i>ugt2a7</i>	UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. A0A0N4SU78]; UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc.
ENSDARG000000100614	-9.72	1.48E-32	6.67E-30	<i>zgc:171497</i>	Zgc:171497 [Uniprot/SPTREMBL Acc. A9JST8]
ENSDARG00000070775	-3.63	7.70E-32	3.38E-29	<i>cyp2x9</i>	Cytochrome P450, family 2, subfamily X, polypeptide 9 [Uniprot/SPTREMBL Acc. F1QYD1]
ENSDARG00000071590	-7.70	8.92E-29	3.35E-26	<i>si:ch211-236g6.1</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F6PEI6]
ENSDARG00000096818	-9.05	7.95E-28	2.92E-25	<i>zgc:136683</i>	
ENSDARG000000103002	-4.35	2.03E-27	7.31E-25	<i>nptna</i>	Neuroplastin a [Uniprot/SPTREMBL Acc. A4IGC1]
ENSDARG00000071143	-9.71	7.53E-27	2.61E-24	<i>si:dkey-208m12.2</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QG63]; Ig-like domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000103260	-9.47	8.52E-27	2.90E-24	<i>si:ch211-57b15.1</i>	
ENSDARG00000095918	-9.86	1.55E-26	5.16E-24	<i>si:ch211-274k16.9</i>	Si:ch211-274k16.9 [Uniprot/SPTREMBL Acc. F8W5H3]
ENSDARG00000040640	-9.43	9.76E-25	3.09E-22	<i>si:ch73-44m9.3</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q3E4]; Ig-like domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000101939	-6.61	1.36E-24	4.23E-22	<i>BX324216.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KR08]
ENSDARG00000077115	-8.80	2.62E-24	7.87E-22	<i>si:ch73-44m9.1</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. E7F032]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000103241	-6.92	2.84E-24	8.38E-22	<i>CR381673.2</i>	
ENSDARG00000093974	-4.94	1.15E-23	3.29E-21	<i>CR933734.2</i>	
ENSDARG00000079657	-7.46	2.79E-23	7.86E-21	<i>si:dkey-53k12.1</i>	
ENSDARG000000106998	-4.14	1.25E-22	3.47E-20	<i>si:dkey-240n22.6</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A1L1QZF7]; Si:dkey-240n22.6 [Uniprot/SPTREMBL Acc.
ENSDARG00000076139	-3.83	1.62E-22	4.42E-20	<i>si:dkey-71p21.13</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. B8A4M1]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000105473	-5.87	2.65E-22	7.12E-20	<i>si:cabz01036006.1</i>	Si:cabz01036006.1 [Uniprot/SPTREMBL Acc. A0A140LFU5]; Si:cabz01036006.1 [Uniprot/SPTREMBL Acc. A0A2R8RNZ0]
ENSDARG000000113820	-2.98	4.34E-21	1.12E-18	<i>cyp46a1.4</i>	Cytochrome P450, family 46, subfamily A, polypeptide 1, tandem duplicate 4 [Uniprot/SPTREMBL Acc. F1RA02]
ENSDARG00000099006	-3.72	1.18E-20	2.99E-18	<i>CAB201029938.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L5J6]
ENSDARG00000094779	-5.08	3.92E-20	9.41E-18	<i>si:dkey-192d15.1</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IF32]; Protein kinase domain-containing protein
ENSDARG00000036096	-2.91	8.89E-20	2.11E-17	<i>smad3a</i>	Mothers against decapentaplegic homolog [Uniprot/SPTREMBL Acc. Q8AY15]
ENSDARG00000098989	-5.52	9.29E-20	2.18E-17	<i>CU459012.1</i>	PA2c domain-containing protein [Uniprot/SPTREMBL Acc. E7F718]
ENSDARG00000092578	-9.90	1.31E-19	3.04E-17	<i>si:ch211-222e20.4</i>	

ENSDARG00000093535	-7.64	1.36E-19	3.09E-17	<i>BX005309.1</i>	
ENSDARG00000039501	-7.81	3.13E-19	7.04E-17	<i>ugt2a6</i>	UDP-glucuronosyltransferase [Uniprot/SPTREMBL Acc. B8JMA1]; UDP glucuronosyltransferase 2 family, polypeptide A6
ENSDARG00000079325	-9.18	5.89E-19	1.31E-16	<i>CAB201046432.1</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F1R2R9]
ENSDARG000000100858	-11.88	7.69E-19	1.69E-16	<i>zgc:171695</i>	AlG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IJU8]
ENSDARG000000095696	-4.62	1.96E-18	4.26E-16	<i>trpm2</i>	
ENSDARG00000078551	-7.22	8.73E-18	1.83E-15	<i>zgc:171242</i>	Zgc:171242 [Uniprot/SPTREMBL Acc. B8JKT5]
ENSDARG000000089004	-5.91	1.26E-15	2.27E-13	<i>si:ch211-207e14.4</i>	SEFIR domain-containing protein [Uniprot/SPTREMBL Acc. E7EYT9]; SEFIR domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000040130	-2.70	1.29E-15	2.31E-13	<i>si:ch211-215k15.4</i>	Si:ch211-215k15.4 [Uniprot/SPTREMBL Acc. A0A0R4ILY8]; Si:ch211-215k15.4 [Uniprot/SPTREMBL Acc. A0A0R4ITS1]
ENSDARG00000071558	-2.07	2.82E-15	4.98E-13	<i>fbim1</i>	Filamin-binding LIM protein 1 [Uniprot/SPTREMBL Acc. B8K0C8]
ENSDARG000000089296	-2.73	3.63E-15	6.23E-13	<i>si:dkey-240n22.6</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. E9QIK7]; Si:dkey-240n22.6 [Uniprot/SPTREMBL Acc. F1QBY6]
ENSDARG000000097137	-3.41	6.89E-15	1.15E-12	<i>CR753876.1</i>	
ENSDARG00000076183	-2.55	9.31E-15	1.51E-12	<i>frs1a</i>	Ferric-chelate reductase 1a [Uniprot/SPTREMBL Acc. F1R2F2]; Ferric-chelate reductase 1a [Uniprot/SPTREMBL Acc. F1R7F2]
ENSDARG000000101700	-7.69	1.02E-14	1.65E-12	<i>si:ch1073-</i>	AlG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0J9YJF6]
ENSDARG000000088514	-2.64	1.11E-14	1.77E-12	<i>and1</i>	Actinodin1 [Uniprot/SPTREMBL Acc. E7F5V5]
ENSDARG000000095801	-6.25	2.88E-14	4.43E-12	<i>BX649485.2</i>	
ENSDARG000000000588	-2.13	3.09E-14	4.71E-12	<i>grasp</i>	
ENSDARG000000092889	-8.06	3.31E-14	4.93E-12	<i>zgc:194246</i>	Zgc:194246 [Uniprot/SPTREMBL Acc. B3DHF5]
ENSDARG000000056628	-2.71	3.51E-14	5.18E-12	<i>tmem170a</i>	Transmembrane protein 170A [Uniprot/SWISSPROT Acc. A3KPL7]
ENSDARG000000087623	-4.14	3.55E-14	5.20E-12	<i>BX649485.1</i>	
ENSDARG000000056407	-2.21	7.50E-14	1.09E-11	<i>irf8</i>	IRF tryptophan pentad repeat domain-containing protein [Uniprot/SPTREMBL Acc. Q6DHK7]
ENSDARG000000091026	-2.68	1.34E-13	1.93E-11	<i>si:ch211-218h8.1</i>	Si:ch211-218h8.1 [Uniprot/SPTREMBL Acc. A0A2R8Q4H2]; Si:ch211-218h8.1 [Uniprot/SPTREMBL Acc. E7F5Y2]; Si:ch211-
ENSDARG000000108372	-4.63	2.69E-13	3.76E-11	<i>LO017648.1</i>	
ENSDARG000000105118	-2.15	4.29E-13	5.95E-11	<i>zgc:171566</i>	Folate gamma-glutamyl hydrolase [Uniprot/SPTREMBL Acc. A0A0R4IV62]
ENSDARG000000105241	-1.96	6.84E-13	9.34E-11	<i>btr26</i>	Bloodthirsty-related gene family, member 26 [Uniprot/SPTREMBL Acc. A0A0J9YJ72]; Bloodthirsty-related gene family, member 26
ENSDARG000000093651	-4.31	7.28E-13	9.86E-11	<i>fr25</i>	FinTRIM family, member 25 [Uniprot/SPTREMBL Acc. B0S6R9]
ENSDARG000000113391	-3.26	1.12E-12	1.48E-10	<i>si:dkey-265e15.2</i>	Pyrin domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L9A3]; NACHT domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000104649	-1.88	1.27E-12	1.65E-10	<i>si:dkey-40c23.2</i>	RING-type E3 ubiquitin transferase [Uniprot/SPTREMBL Acc. A0A0R4ILY2]; RING-type E3 ubiquitin transferase
ENSDARG000000076286	-7.49	1.45E-12	1.84E-10	<i>si:dkey-125e8.1</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. E7F2H7]
ENSDARG000000097169	-3.40	2.45E-12	3.06E-10	<i>si:ch73-330k17.3</i>	IGFBP N-terminal domain-containing protein [Uniprot/SPTREMBL Acc. X1WGX6]
ENSDARG000000079475	-2.14	2.68E-12	3.31E-10	<i>nckipsd</i>	
ENSDARG000000100155	-7.77	7.69E-12	9.00E-10	<i>si:ch211-217i17.1</i>	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. X1WBM3]
ENSDARG000000105320	-6.27	8.58E-12	9.91E-10	<i>AL590151.2</i>	
ENSDARG000000093987	-7.54	9.85E-12	1.13E-09	<i>si:ch211-165f21.7</i>	Si:ch211-165f21.7 [Uniprot/SPTREMBL Acc. F1R5U5]
ENSDARG000000101123	-4.16	1.25E-11	1.42E-09	<i>CABZ01009512.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2L9D7]
ENSDARG000000098036	-5.05	1.44E-11	1.62E-09	<i>si:ch211-69l10.4</i>	THAP-type domain-containing protein [Uniprot/SPTREMBL Acc. X1WGW0]
ENSDARG000000092826	-3.15	1.74E-11	1.93E-09	<i>BX248511.1</i>	
ENSDARG000000059039	-9.38	2.30E-11	2.50E-09	<i>FO904903.1</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. E7F9I1]
ENSDARG000000089636	-6.98	2.66E-11	2.87E-09	<i>BX322587.1</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. F8W5Q1]
ENSDARG000000103178	-3.85	2.74E-11	2.94E-09	<i>CR457444.3</i>	
ENSDARG000000036831	-1.85	2.77E-11	2.96E-09	<i>rmf41</i>	E3 ubiquitin-protein ligase NRDP1 [Uniprot/SPTREMBL Acc. F1QIM8]
ENSDARG000000089369	-2.62	3.43E-11	3.62E-09	<i>fdxr</i>	NADPH:adrenodoxin oxidoreductase, mitochondrial [Uniprot/SPTREMBL Acc. E7FB58]
ENSDARG000000071501	-2.53	4.02E-11	4.18E-09	<i>hs6st1b</i>	Heparan-sulfate 6-O-sulfotransferase 1-B [Uniprot/SWISSPROT Acc. A0MGZ5]
ENSDARG000000094461	-3.96	5.59E-11	5.76E-09	<i>BX465186.2</i>	
ENSDARG000000091602	-3.22	9.01E-11	9.08E-09	<i>si:dkey-163f14.6</i>	Si:dkey-163f14.6 [Uniprot/SPTREMBL Acc. E7F5H0]
ENSDARG000000075864	-1.60	1.18E-10	1.17E-08	<i>igsf9a</i>	Immunoglobulin superfamily, member 9a [Uniprot/SPTREMBL Acc. A0A2R8QFL3]; Immunoglobulin superfamily, member 9a
ENSDARG000000101185	-2.87	2.16E-10	2.04E-08	<i>CABZ01095001.1</i>	RIC3 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L330]
ENSDARG000000068453	-3.18	2.82E-10	2.65E-08	<i>CABZ01112732.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8QBL1]
ENSDARG000000092862	-3.26	2.90E-10	2.70E-08	<i>si:ch211-260p9.3</i>	Phosphoinositide phospholipase C [Uniprot/SPTREMBL Acc. F1QGV9]; Si:ch211-260p9.3 [Uniprot/SPTREMBL Acc. F1QWP3];
ENSDARG000000087196	-4.45	3.02E-10	2.80E-08	<i>fibinb</i>	Fin bud initiation factor [Uniprot/SWISSPROT Acc. A1IGX5]
ENSDARG000000115015	-2.31	3.76E-10	3.47E-08	<i>PSTK</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8RR04]

ENSDARG00000105316	-2.52	3,93E-10	3,61E-08	<i>si:dkey-187j14.7</i>	SECA_MOTOR_DEAD domain-containing protein [Uniprot/SPTREMBL Acc. A0A140LG02]
ENSDARG00000045837	-2.25	4,77E-10	4,34E-08	<i>si:dkey-14d8.20</i>	Si:dkey-14d8.20 [Uniprot/SPTREMBL Acc. F6PCI1]
ENSDARG000000041292	-2.00	7,67E-10	6,84E-08	<i>si:ch211-</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. F1R519]; G_PROTEIN_RECEP_F1_2 domain-
ENSDARG000000069290	-1.68	8,25E-10	7,29E-08	<i>bida</i>	BH3-interacting domain death agonist [Uniprot/SPTREMBL Acc. Q1LX52]
ENSDARG000000103883	-2.09	8,73E-10	7,60E-08	<i>si:ch1073-</i>	AIg1-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IS90]; AIg1-type G domain-containing protein
ENSDARG000000098347	-3.55	8,91E-10	7,68E-08	<i>si:ch1073-</i>	AIg1-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IYQ6]
ENSDARG000000052465	-3.64	1,05E-09	8,88E-08	<i>dusp10</i>	Dual-specificity phosphatase 10 [Uniprot/SPTREMBL Acc. A0A0R49C9]; Dual-specificity phosphatase 10 [Uniprot/SPTREMBL Acc.
ENSDARG000000095820	-7.32	1,12E-09	9,37E-08	<i>BX649485.4</i>	
ENSDARG000000073821	-6.93	1,53E-09	1,25E-07	<i>znf1177</i>	Zinc finger protein 1177 [Uniprot/SPTREMBL Acc. A0A0R4IBC1]
ENSDARG000000041450	-1.76	1,62E-09	1,32E-07	<i>rab11a</i>	Novel protein similar to vertebrate Ras family [Uniprot/SPTREMBL Acc. Q5U3E1]
ENSDARG000000094511	-1.85	2,02E-09	1,63E-07	<i>ccl20b</i>	C-C motif chemokine [Uniprot/SPTREMBL Acc. A9ZPE0]
ENSDARG000000020191	-3.79	2,13E-09	1,71E-07	<i>ppef1</i>	Serine/threonine-protein phosphatase with EF-hands [Uniprot/SPTREMBL Acc. A0A2R8QJS6]; Serine/threonine-protein
ENSDARG000000086752	-1.92	2,58E-09	2,03E-07	<i>LO018205.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A1L1QZJ2]
ENSDARG000000098837	-7.11	2,66E-09	2,08E-07	<i>tgm5l</i>	Transglut_C domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IBE4]; TGc domain-containing protein
ENSDARG000000028275	-2.24	2,71E-09	2,11E-07	<i>sult1st1</i>	Sulfotransferase [Uniprot/SPTREMBL Acc. B0R137]
ENSDARG000000102710	-7.18	3,36E-09	2,57E-07	<i>CR848032.2</i>	
ENSDARG000000099207	-3.51	4,27E-09	3,21E-07	<i>si:dkey-11f4.7</i>	Piezo_RRas_bdg domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4ICM5]; Piezo_RRas_bdg domain-containing protein
ENSDARG000000052688	-2.89	4,51E-09	3,37E-07	<i>paqr5b</i>	Membrane progesterin receptor gamma-B [Uniprot/SPTREMBL Acc. F1QL89]; Membrane progesterin receptor gamma-B
ENSDARG000000096599	-8.49	6,34E-09	4,67E-07	<i>AL928650.3</i>	
ENSDARG000000040527	-1.71	9,30E-09	6,71E-07	<i>siae</i>	SASA domain-containing protein [Uniprot/SPTREMBL Acc. Q1LUX8]
ENSDARG000000077415	-2.54	1,09E-08	7,81E-07	<i>zmp:0000001175</i>	
ENSDARG000000074796	-1.77	1,24E-08	8,78E-07	<i>dbf4</i>	DBF4-type domain-containing protein [Uniprot/SPTREMBL Acc. B5DDZ2]
ENSDARG000000094067	-3.76	1,25E-08	8,83E-07	<i>si:dkey-121n8.7</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QEM0]; NACHT domain-containing protein
ENSDARG000000031049	-2.73	1,25E-08	8,83E-07	<i>igsf21a</i>	Immunoglobulin superfamily, member 21a [Uniprot/SPTREMBL Acc. A0A0R4IA26]; Immunoglobulin superfamily, member 21a
ENSDARG000000023495	-1.87	1,33E-08	9,24E-07	<i>itf74</i>	Intraflagellar transport 74 [Uniprot/SPTREMBL Acc. E7EZE3]
ENSDARG000000077058	-8.26	1,37E-08	9,49E-07	<i>cela1.5</i>	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. F1R511]
ENSDARG000000078535	-2.03	1,54E-08	1,06E-06	<i>lrrcc1</i>	Leucine-rich repeat and coiled-coil centrosomal protein 1 [Uniprot/SPTREMBL Acc. A0A286YAX9]; Leucine-rich repeat and coiled-
ENSDARG000000091249	-2.66	1,60E-08	1,09E-06	<i>CR381686.1</i>	
ENSDARG000000035694	-4.98	1,85E-08	1,25E-06	<i>stm</i>	Protein starmaker [Uniprot/SWISSPROT Acc. A2VD23]
ENSDARG000000062873	-4.86	1,92E-08	1,29E-06	<i>slc2a11l</i>	MFS domain-containing protein [Uniprot/SPTREMBL Acc. F1Q9K9]
ENSDARG000000090946	-1.41	2,23E-08	1,49E-06	<i>si:zfos-364h11.2</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4ILC1]; B30.2/SPRY domain-containing protein
ENSDARG000000097803	-3.12	2,81E-08	1,85E-06	<i>C5H12orf65</i>	Probable peptide chain release factor C12orf65 homolog, mitochondrial [Uniprot/SWISSPROT Acc. A5WUX7]; RF_PROK_I domain-
ENSDARG000000092498	-7.01	3,29E-08	2,16E-06	<i>si:dkeyp-46h3.2</i>	Si:dkeyp-46h3.2 [Uniprot/SPTREMBL Acc. A3KQ79]
ENSDARG000000028346	-1.89	3,78E-08	2,47E-06	<i>tesca</i>	Tescalcin a [Uniprot/SPTREMBL Acc. Q6NYK0]
ENSDARG000000039164	-7.06	4,11E-08	2,66E-06	<i>mhc1uma</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0S1RLY5]; Ig-like domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000100890	-4.16	4,18E-08	2,68E-06	<i>si:zfos-1069f5.1</i>	
ENSDARG000000094729	-3.65	4,58E-08	2,93E-06	<i>apela</i>	Apelin receptor early endogenous ligand [Uniprot/SWISSPROT Acc. P0DMC2]
ENSDARG000000102480	-2.88	5,71E-08	3,62E-06	<i>BX005417.2</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KZ15]
ENSDARG000000092890	-8.44	6,38E-08	4,02E-06	<i>si:ch73-44m9.5</i>	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. F1RCU3]
ENSDARG000000090526	-5.48	6,44E-08	4,04E-06	<i>zgc:158404</i>	PH domain-containing protein [Uniprot/SPTREMBL Acc. F1R245]
ENSDARG000000079393	-3.15	6,65E-08	4,16E-06	<i>tmprss15</i>	Transmembrane serine protease 15 [Uniprot/SPTREMBL Acc. E9QBX0]; Transmembrane serine protease 15 [Uniprot/SPTREMBL
ENSDARG000000102165	-2.73	6,78E-08	4,23E-06	<i>sema6a</i>	Sema domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KLL0]
ENSDARG000000095092	-6.41	6,95E-08	4,30E-06	<i>si:ch211-232m8.3</i>	
ENSDARG000000003085	-2.48	7,05E-08	4,33E-06	<i>stambpl1</i>	MPN domain-containing protein [Uniprot/SPTREMBL Acc. E7F3M4]
ENSDARG000000093450	-3.94	7,66E-08	4,67E-06	<i>si:dkey-78l4.10</i>	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. F1QIR7]; Peptidase S1 domain-containing protein
ENSDARG000000103538	-8.28	7,95E-08	4,78E-06	<i>BX571954.2</i>	
ENSDARG000000093699	-4.16	7,93E-08	4,78E-06	<i>si:ch73-27e22.4</i>	
ENSDARG000000101954	-2.80	9,39E-08	5,59E-06	<i>hoxc6b</i>	Homeobox domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IKQ2]; Homeobox domain-containing protein
ENSDARG000000094022	-5.02	9,60E-08	5,69E-06	<i>AL831745.2</i>	
ENSDARG000000071062	-1.40	9,76E-08	5,77E-06	<i>hps5</i>	Hermansky-Pudlak syndrome 5 protein homolog [Uniprot/SPTREMBL Acc. F6NLH0]

ENSDARG00000092448	-3,66	1,02E-07	5,98E-06	CR762431.1	Si:dkey-23a13.2 [Uniprot/SPTREMBL Acc. A0A140LG22] Receptor protein-tyrosine kinase [Uniprot/SPTREMBL Acc. E9QC99]; Receptor protein-tyrosine kinase [Uniprot/SPTREMBL Acc. B0S8F7] NACHT domain-containing protein [Uniprot/SPTREMBL Acc. B0S8F7] Ras association domain family member 2a [Uniprot/SPTREMBL Acc. A9C3N1]; Ras association domain family member 2a
ENSDARG00000092243	-3,49	1,03E-07	6,00E-06	BX005065.1	
ENSDARG00000105470	-3,36	1,04E-07	6,09E-06	si:dkey-23a13.2	
ENSDARG00000036993	-1,39	1,16E-07	6,73E-06	erbb3b	
ENSDARG00000093964	-1,40	1,26E-07	7,21E-06	si:ch211-250k18.6	IG domain-containing protein [Uniprot/SPTREMBL Acc. F1RCY5] ERO1-like protein alpha [Uniprot/SPTREMBL Acc. A0A0H2UJM0]; ERO1-like protein alpha [Uniprot/SPTREMBL Acc. E7F912]; Vascular endothelial growth factor A-A [Uniprot/SWISSPROT Acc. O73682] NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KV54] Hyaluronidase [Uniprot/SPTREMBL Acc. A0A2R8Q1X6]; Hyaluronidase [Uniprot/SPTREMBL Acc. Q1LXC3] Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8RLA8] C-type lectin domain-containing protein [Uniprot/SPTREMBL Acc. Q6DG59] B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. U3JAQ6]
ENSDARG00000029865	-2,15	1,31E-07	7,48E-06	rassf2a	
ENSDARG00000096080	-6,45	1,48E-07	8,32E-06	CR381686.3	
ENSDARG00000075027	-5,15	1,50E-07	8,40E-06	fgfr1bl	
ENSDARG00000092007	-6,45	1,54E-07	8,60E-06	CR381686.2	Polyadenylate-binding protein [Uniprot/SPTREMBL Acc. F1QUU2]; Polyadenylate-binding protein [Uniprot/SPTREMBL Acc. E7F912]; Leucine zipper transcription factor-like protein 1 [Uniprot/SPTREMBL Acc. A0A0R4ISB5]; Leucine zipper transcription factor-like Transmembrane protein 30B [Uniprot/SPTREMBL Acc. E9QIY6]; Cell cycle control protein [Uniprot/SPTREMBL Acc. Q6GMG4] START domain-containing protein [Uniprot/SPTREMBL Acc. Q566U7] Acyl-CoA thioesterase 19 [Uniprot/SPTREMBL Acc. Q5U3W6]
ENSDARG00000015228	-1,94	2,01E-07	1,11E-05	ero1a	
ENSDARG00000093787	-6,62	2,18E-07	1,19E-05	CR450686.3	
ENSDARG00000103542	-1,31	2,34E-07	1,27E-05	vegfaa	
ENSDARG00000092036	-2,89	2,41E-07	1,31E-05	CR925731.1	Laminin, alpha 1 [Uniprot/SPTREMBL Acc. A0A0R4II20] TUB-like protein 1a [Uniprot/SPTREMBL Acc. A0A0R4IHV4]; Tub domain-containing protein [Uniprot/SPTREMBL Acc. E7F912]; Acyl-CoA dehydrogenase short/branched chain [Uniprot/SPTREMBL Acc. F1QFQ7]; Acyl-CoA dehydrogenase short/branched chain RanBP2-type domain-containing protein [Uniprot/SPTREMBL Acc. F1QM38] ER membrane protein complex subunit 4 [Uniprot/SPTREMBL Acc. F1Q9Z0] Bloodthirsty-related gene family, member 24 [Uniprot/SPTREMBL Acc. A0A0R4IBZ2]; Bloodthirsty-related gene family, member 24
ENSDARG00000104672	-1,48	2,50E-07	1,35E-05	CABZ01074397.1	
ENSDARG00000062997	-1,58	2,58E-07	1,39E-05	hyal2b	
ENSDARG00000114762	-1,92	2,79E-07	1,49E-05	CABZ01084131.1	
ENSDARG00000042962	-2,95	3,21E-07	1,70E-05	dgcr2	AXH domain-containing protein [Uniprot/SPTREMBL Acc. Q1L966] Endoplasmic reticulum membrane sensor NFE2L1 [Uniprot/SPTREMBL Acc. B3DGS0] Regulator of G protein-signaling 9b [Uniprot/SPTREMBL Acc. A8DZ63]; Regulator of G protein-signaling 9b [Uniprot/SPTREMBL Acc. I3IS75] XK-related protein [Uniprot/SPTREMBL Acc. I3IS75] HMG box domain-containing protein [Uniprot/SPTREMBL Acc. Q9DFH1]; HMG box domain-containing protein [Uniprot/SPTREMBL Acc. A0A286Y8C8]; Procollagen-proline 4-dioxygenase Tetraspanin [Uniprot/SPTREMBL Acc. Q5XJD1] Rieske domain-containing protein [Uniprot/SPTREMBL Acc. E7FGD0]; Rieske domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q7N3]; Poly [ADP-ribose] polymerase [Uniprot/SPTREMBL Acc. A0A2R8RVIO]; C1q domain-containing protein [Uniprot/SPTREMBL Acc. E7FBX6]; Protein kinase domain-containing protein
ENSDARG00000090930	-4,15	3,31E-07	1,75E-05	si:ch211-120g10.1	
ENSDARG00000110371	-1,85	3,34E-07	1,76E-05	CABZ01086293.1	
ENSDARG00000059259	-2,57	3,66E-07	1,89E-05	pabpc4	
ENSDARG00000098337	-3,47	3,68E-07	1,90E-05	CR381673.1	TPR_REGION domain-containing protein [Uniprot/SPTREMBL Acc. E7F8D3]
ENSDARG00000105010	-2,19	3,86E-07	1,99E-05	lzf1l	
ENSDARG00000087099	-2,12	4,57E-07	2,34E-05	si:ch73-106k19.5	
ENSDARG00000054122	-1,17	4,71E-07	2,40E-05	tmem30b	
ENSDARG00000104718	-2,99	4,73E-07	2,40E-05	CU570769.3	
ENSDARG00000102477	-1,68	5,93E-07	2,93E-05	stard4	
ENSDARG00000040427	-1,76	6,04E-07	2,97E-05	acot19	
ENSDARG00000092918	-6,38	6,08E-07	2,99E-05	chrh2	
ENSDARG00000102277	-3,38	7,15E-07	3,49E-05	lama1	
ENSDARG00000104120	-1,26	7,49E-07	3,65E-05	LO18260.1	
ENSDARG00000075295	-3,92	8,32E-07	4,02E-05	tulp1a	
ENSDARG00000076780	-1,15	8,62E-07	4,14E-05	acadb	
ENSDARG00000117011	-3,24	9,15E-07	4,34E-05	ewsr1b	
ENSDARG00000102733	-2,87	9,13E-07	4,34E-05	CABZ01113812.1	
ENSDARG00000105283	-3,78	1,09E-06	5,14E-05	btr24	
ENSDARG00000087740	-1,58	1,09E-06	5,14E-05	BX664618.1	
ENSDARG00000061687	-1,77	1,12E-06	5,20E-05	atxn1a	
ENSDARG00000030616	-1,64	1,23E-06	5,73E-05	nfe2l1a	
ENSDARG00000045156	-4,21	1,27E-06	5,89E-05	rgsb	
ENSDARG00000076820	-1,95	1,33E-06	6,13E-05	xkr8.2	
ENSDARG00000043923	-1,60	1,35E-06	6,20E-05	sox9b	
ENSDARG00000010085	-1,60	1,42E-06	6,52E-05	p4ha2	
ENSDARG00000038288	-2,24	1,52E-06	6,95E-05	cd151	
ENSDARG00000061634	-2,04	1,61E-06	7,27E-05	aifm4	
ENSDARG00000112454	-1,40	1,64E-06	7,38E-05	FO744833.2	
ENSDARG00000010350	-3,04	1,68E-06	7,52E-05	c1ql3a	
ENSDARG00000056659	-2,88	1,68E-06	7,52E-05	ttb1b	
ENSDARG00000109263	-2,15	1,76E-06	7,84E-05	BX640537.3	
ENSDARG0000008098	-3,61	1,79E-06	7,92E-05	ifit9	
ENSDARG00000095803	-4,10	1,97E-06	8,65E-05	BX649485.3	

ENSDARG00000060838	-2.22	2.02E-06	8.83E-05	<i>trim35-33</i>	Tripartite motif-containing 35-33 [Uniprot/SPTREMBL Acc. A0A2R8QJ74]; Tripartite motif-containing 35-33 [Uniprot/SPTREMBL
ENSDARG00000020085	-1.20	2.34E-06	1.01E-04	<i>slc33a1</i>	Solute carrier family 33 member 1 [Uniprot/SPTREMBL Acc. B8JLW5]
ENSDARG000000095786	-6.94	2.56E-06	1.10E-04	<i>AL928685.1</i>	
ENSDARG00000040777	-1.78	2.67E-06	1.14E-04	<i>inhbb</i>	Activin beta-B chain [Uniprot/SPTREMBL Acc. B0S7E0]
ENSDARG000000093761	-1.51	2.67E-06	1.14E-04	<i>si:ch211-250k18.7</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QB88]; Si:ch211-250k18.7 [Uniprot/SPTREMBL Acc.
ENSDARG00000070851	-6.67	2.80E-06	1.19E-04	<i>si:dkey-88n24.6</i>	
ENSDARG00000004632	-1.21	3.25E-06	1.35E-04	<i>egln1b</i>	Egl-9 family hypoxia-inducible factor 1b [Uniprot/SPTREMBL Acc. F6P6J7]
ENSDARG00000079525	-1.24	3.33E-06	1.38E-04	<i>slc39a5</i>	Solute carrier family 39 member 5 [Uniprot/SPTREMBL Acc. F8W5D4]
ENSDARG000000067794	-1.51	3.49E-06	1.44E-04	<i>cabz01076234.2</i>	Cabz01076234.2 [Uniprot/SPTREMBL Acc. A0A1D5NSW2]; B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000097483	-1.30	3.51E-06	1.44E-04	<i>si:ch211-213d14.2</i>	
ENSDARG00000079125	-3.90	3.59E-06	1.47E-04	<i>sowahab</i>	
ENSDARG00000069192	-6.34	3.69E-06	1.51E-04	<i>zgc:163030</i>	Cystatin domain-containing protein [Uniprot/SPTREMBL Acc. B8A4D1]; Cystatin domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000061362	-2.46	3.73E-06	1.52E-04	<i>dipk1ab</i>	Divergent protein kinase domain 1Ab [Uniprot/SPTREMBL Acc. A0A2R8Q7C5]; PIP49_N domain-containing protein
ENSDARG00000043997	-1.56	3.88E-06	1.57E-04	<i>cyp2x8</i>	Cytochrome P450, family 2, subfamily X, polypeptide 8 [Uniprot/SPTREMBL Acc. F1QSL4]
ENSDARG00000019001	-2.37	4.13E-06	1.66E-04	<i>ak7a</i>	Nucleoside-diphosphate kinase [Uniprot/SPTREMBL Acc. F1QYK4]; Nucleoside-diphosphate kinase [Uniprot/SPTREMBL Acc.
ENSDARG000000098373	-4.33	4.31E-06	1.74E-04	<i>BX276102.1</i>	
ENSDARG000000100370	-4.66	4.42E-06	1.77E-04	<i>CT955963.1</i>	AlG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L1M8]
ENSDARG00000074583	-3.59	4.61E-06	1.84E-04	<i>glrd1a</i>	Glutamate receptor, ionotropic, delta 1a [Uniprot/SPTREMBL Acc. F1R113]; Glutamate receptor, ionotropic, delta 1a
ENSDARG000000101431	-1.50	4.70E-06	1.87E-04	<i>gas8</i>	Dynein regulatory complex subunit 4 [Uniprot/SWISSPROT Acc. F1QNW4]
ENSDARG00000069245	-2.99	4.74E-06	1.88E-04	<i>matn3a</i>	VWFA domain-containing protein [Uniprot/SPTREMBL Acc. F1QH94]; Matrilin 3a [Uniprot/SPTREMBL Acc. F1QH95]; VWFA
ENSDARG00000098889	-1.66	4.74E-06	1.88E-04	<i>si:zfos-128g4.2</i>	BESS domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IIZ9]
ENSDARG00000053479	-3.08	5.49E-06	2.15E-04	<i>gdf6a</i>	Growth/differentiation factor 6-A [Uniprot/SWISSPROT Acc. P85857]
ENSDARG00000043196	-7.60	5.57E-06	2.17E-04	<i>masel2</i>	RNAse_Pc domain-containing protein [Uniprot/SPTREMBL Acc. A5HAK1]
ENSDARG000000114194	-13.64	5.65E-06	2.19E-04	<i>BX005305.3</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8QFW2]
ENSDARG00000034211	-8.39	6.10E-06	2.35E-04	<i>capn2l</i>	Calcium-activated neutral proteinase 2 [Uniprot/SPTREMBL Acc. Q6DFZ8]
ENSDARG00000063076	-1.70	6.15E-06	2.37E-04	<i>atrip</i>	ATR-interacting protein [Uniprot/SPTREMBL Acc. Q1LXB1]
ENSDARG00000036776	-1.15	6.75E-06	2.58E-04	<i>aldh8a1</i>	Aldedh domain-containing protein [Uniprot/SPTREMBL Acc. A9YD19]; 2-aminomuconic semialdehyde dehydrogenase
ENSDARG00000073998	-2.92	7.18E-06	2.73E-04	<i>si:ch211-23l10.3</i>	PH domain-containing protein [Uniprot/SPTREMBL Acc. F1R311]
ENSDARG00000062280	-1.05	7.37E-06	2.78E-04	<i>hace1</i>	E3 ubiquitin-protein ligase HACE1 [Uniprot/SPTREMBL Acc. K7DY07]
ENSDARG00000029803	-3.12	8.32E-06	3.10E-04	<i>oxgr1b</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RKN1]; G_PROTEIN_RECEP_F1_2
ENSDARG000000104795	-2.24	8.89E-06	3.29E-04	<i>cxcl8a</i>	Interleukin-8 [Uniprot/SPTREMBL Acc. A0A0G2KYH9]
ENSDARG00000070165	-1.91	9.22E-06	3.39E-04	<i>tnfrsf1b</i>	Tumor necrosis factor receptor superfamily, member 1B [Uniprot/SPTREMBL Acc. F1RAS9]
ENSDARG00000036700	-1.49	9.26E-06	3.40E-04	<i>si:ch211-114n24.6</i>	Tubulin alpha chain [Uniprot/SPTREMBL Acc. E7F244]
ENSDARG00000074163	-1.64	1.01E-05	3.66E-04	<i>zgc:162879</i>	Ras and EF-hand domain-containing protein [Uniprot/SWISSPROT Acc. A5WW21]
ENSDARG00000078434	-1.33	1.06E-05	3.81E-04	<i>znf692</i>	Zinc finger protein 692 [Uniprot/SPTREMBL Acc. B0S7N0]
ENSDARG00000045159	-1.35	1.08E-05	3.87E-04	<i>zdhhc4</i>	Palmitoyltransferase [Uniprot/SPTREMBL Acc. E9QDN4]; Palmitoyltransferase ZDHHC4 [Uniprot/SPTREMBL Acc. E9QFG6];
ENSDARG00000041910	-1.72	1.12E-05	4.01E-04	<i>znf512</i>	
ENSDARG000000116187	-12.90	1.18E-05	4.22E-04	<i>BX005305.5</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8RK94]
ENSDARG000000103834	-1.02	1.20E-05	4.26E-04	<i>rbm14b</i>	RNA-binding motif protein 14b [Uniprot/SPTREMBL Acc. A0A0R4IJ04]; RNA-binding motif protein 14b [Uniprot/SPTREMBL Acc.
ENSDARG000000101481	-3.08	1.23E-05	4.34E-04	<i>rbp5</i>	Lipocln_cytosolic_FA-bd_dom domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IDE4]; FABP domain-containing protein
ENSDARG000000089519	-4.62	1.26E-05	4.43E-04	<i>fbln7</i>	Fibulin 7 [Uniprot/SPTREMBL Acc. E7FFU9]
ENSDARG000000056498	-6.88	1.34E-05	4.69E-04	<i>crp2</i>	Pentaxin [Uniprot/SPTREMBL Acc. A3KPH8]
ENSDARG00000069058	-7.73	1.37E-05	4.78E-04	<i>lgals9l4</i>	Galectin [Uniprot/SPTREMBL Acc. Q29RA0]
ENSDARG00000006207	-1.55	1.43E-05	4.99E-04	<i>gpx1b</i>	Glutathione peroxidase [Uniprot/SPTREMBL Acc. Q66IE1]
ENSDARG000000109630	-3.40	1.47E-05	5.11E-04	<i>CU896691.3</i>	
ENSDARG000000091897	-1.45	1.52E-05	5.27E-04	<i>BX323884.1</i>	
ENSDARG00000014532	-1.27	1.57E-05	5.41E-04	<i>aida</i>	Axin interactor, dorsalization-associated protein [Uniprot/SWISSPROT Acc. Q6PBN2]
ENSDARG000000095907	-1.40	1.64E-05	5.58E-04	<i>AL928685.2</i>	
ENSDARG000000097015	-1.20	1.64E-05	5.58E-04	<i>FP016018.2</i>	
ENSDARG00000071604	-1.26	1.66E-05	5.63E-04	<i>si:ch211-156p11.1</i>	Si:ch211-156p11.1 [Uniprot/SPTREMBL Acc. A0A2R8PW87]; NACHT domain-containing protein [Uniprot/SPTREMBL Acc. F1R4J1]

ENSDARG00000021147	-1.10	1.66E-05	5.64E-04	<i>nipal3</i>	NIPA-like domain-containing 3 [Uniprot/SPTREMBL Acc. F1QWP5]
ENSDARG000000054755	-2.31	1.68E-05	5.69E-04	<i>alox5ap</i>	Arachidonate 5-lipoxygenase-activating protein [Uniprot/SPTREMBL Acc. F1QKS8]
ENSDARG000000105427	-3.21	1.69E-05	5.71E-04	<i>si:dkey-187j14.8</i>	SECA_MOTOR_DEAD domain-containing protein [Uniprot/SPTREMBL Acc. A0A140LFS6]
ENSDARG000000101320	-1.73	1.80E-05	6.05E-04	<i>si:dkey-50i6.5</i>	DDE Tnp4 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IRS9]
ENSDARG000000039265	-1.43	1.82E-05	6.11E-04	<i>arhgap4a</i>	Rho GTPase-activating protein 4a [Uniprot/SPTREMBL Acc. F1QFY0]
ENSDARG000000069122	-1.04	1.84E-05	6.16E-04	<i>si:ch211-216l23.2</i>	
ENSDARG000000107280	-1.11	1.92E-05	6.38E-04	<i>FO744833.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A286YB57]
ENSDARG000000103466	-1.46	2.01E-05	6.66E-04	<i>ccl35.1</i>	SCY domain-containing protein [Uniprot/SPTREMBL Acc. B0V353]
ENSDARG00000012824	-1.84	2.06E-05	6.82E-04	<i>itga3b</i>	Integrin_alpha2 domain-containing protein [Uniprot/SPTREMBL Acc. F1R2R3]
ENSDARG000000070368	-1.76	2.08E-05	6.87E-04	<i>casp6b.2</i>	Caspase 6b.2, apoptosis-related cysteine peptidase [Uniprot/SPTREMBL Acc. E9QG18]; Caspase 6, apoptosis-related cysteine
ENSDARG000000103226	-1.78	2.11E-05	6.97E-04	<i>dhcr7</i>	7-dehydrocholesterol reductase [Uniprot/SPTREMBL Acc. A0A2R8QAT3]; 7-dehydrocholesterol reductase [Uniprot/SPTREMBL
ENSDARG000000061274	-1.46	2.12E-05	6.98E-04	<i>lss</i>	Terpene cyclase/mutase family member [Uniprot/SPTREMBL Acc. B0S5M5]
ENSDARG000000095326	-6.96	2.13E-05	7.01E-04	<i>si:dkey-88n24.3</i>	
ENSDARG000000086998	-1.23	2.20E-05	7.21E-04	<i>zgc:64002</i>	Zgc:64002 [Uniprot/SPTREMBL Acc. F1QUL7]
ENSDARG000000099775	-3.62	2.29E-05	7.49E-04	<i>CABZ01074307.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KCB7]
ENSDARG000000024815	-2.28	2.33E-05	7.59E-04	<i>ogfrl2</i>	OGFr_N domain-containing protein [Uniprot/SPTREMBL Acc. F1RBF0]
ENSDARG000000092003	-0.99	2.49E-05	8.09E-04	<i>ccs</i>	HMA domain-containing protein [Uniprot/SPTREMBL Acc. F1QCS3]
ENSDARG000000061259	-1.68	2.56E-05	8.30E-04	<i>sost</i>	Sclerostin [Uniprot/SPTREMBL Acc. E7EXX7]
ENSDARG000000117342	-1.26	2.58E-05	8.32E-04	<i>CU570781.3</i>	
ENSDARG000000062206	-1.16	2.91E-05	9.24E-04	<i>skiv2l</i>	SKI2 homolog, superkiller viralicidic activity 2-like [Uniprot/SPTREMBL Acc. A0A2R8Q6L8]; SKI2 homolog, superkiller viralicidic
ENSDARG000000095603	-1.82	2.94E-05	9.31E-04	<i>grid2ipb</i>	Delphilin [Uniprot/SWISSPROT Acc. Q6ZM86]
ENSDARG000000036878	-1.72	3.00E-05	9.47E-04	<i>sh3bgrl2</i>	SH3 domain-binding glutamic acid-rich-like protein 2 [Uniprot/SWISSPROT Acc. Q6GMK7]
ENSDARG000000102513	-2.74	3.24E-05	1.01E-03	<i>FO704822.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2L4H5]
ENSDARG000000070331	-3.11	3.32E-05	1.03E-03	<i>muc5.1</i>	Mucin 5.1, oligomeric mucus/gel-forming [Uniprot/SPTREMBL Acc. X1WBL9]
ENSDARG000000019976	-1.44	3.32E-05	1.03E-03	<i>idl1</i>	Isopentenyl-diphosphate Delta-isomerase [Uniprot/SPTREMBL Acc. F1QVG2]
ENSDARG000000024746	-2.11	3.55E-05	1.10E-03	<i>hsp90aa1.2</i>	HATPase_c domain-containing protein [Uniprot/SPTREMBL Acc. Q5RG12]
ENSDARG000000092319	-4.05	3.65E-05	1.13E-03	<i>BX323074.1</i>	
ENSDARG000000097611	-3.74	3.78E-05	1.16E-03	<i>CU896691.2</i>	
ENSDARG000000101597	-1.90	3.78E-05	1.16E-03	<i>si:dkeyp-57d7.4</i>	
ENSDARG000000062397	-2.58	3.84E-05	1.17E-03	<i>ndst1a</i>	[Heparan sulfate]-glucosamine N-sulfotransferase [Uniprot/SPTREMBL Acc. A0A2R8RQ45]; [Heparan sulfate]-glucosamine N-
ENSDARG000000094821	-2.80	3.89E-05	1.18E-03	<i>si:ch73-44m9.2</i>	
ENSDARG000000098191	-2.94	3.97E-05	1.20E-03	<i>si:dkey-16l2.20</i>	Si:dkey-16l2.20 [Uniprot/SPTREMBL Acc. A0A0R4IZA3]
ENSDARG000000043492	-6.80	3.99E-05	1.21E-03	<i>irf1a</i>	Interferon regulatory factor [Uniprot/SPTREMBL Acc. F1QPF2]
ENSDARG000000104015	-2.82	4.31E-05	1.30E-03	<i>fgfr1bl</i>	Fibroblast growth factor receptor 1b,-like [Uniprot/SPTREMBL Acc. F1QZR6]
ENSDARG000000090232	-1.19	4.58E-05	1.38E-03	<i>clpb</i>	Clpb_D2-small domain-containing protein [Uniprot/SPTREMBL Acc. X1WBM1]
ENSDARG000000076858	-5.70	4.63E-05	1.39E-03	<i>TCIM</i>	TC1 domain-containing protein [Uniprot/SPTREMBL Acc. F1R9T4]
ENSDARG000000106267	-6.86	4.87E-05	1.46E-03	<i>CR388042.1</i>	
ENSDARG000000052623	-1.19	4.96E-05	1.48E-03	<i>bsdc1</i>	BSD domain-containing protein 1 [Uniprot/SWISSPROT Acc. A2BIJ3]
ENSDARG000000014623	-1.90	5.28E-05	1.57E-03	<i>si:ch211-212d10.1</i>	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QQC0]; Peptidase S1 domain-containing protein
ENSDARG000000102899	-3.41	5.32E-05	1.57E-03	<i>cremb</i>	cAMP-responsive element modulator b [Uniprot/SPTREMBL Acc. A0A0R4ILU2]; BZIP domain-containing protein
ENSDARG000000019498	-1.01	5.37E-05	1.59E-03	<i>cry5</i>	Photolyase/cryptochrome alpha/beta domain-containing protein [Uniprot/SPTREMBL Acc. F1QHM9]
ENSDARG000000042559	-5.71	5.55E-05	1.64E-03	<i>tnni1c</i>	Troponin I, skeletal, slow c [Uniprot/SPTREMBL Acc. A0A2R8QEN7]; Troponin I, skeletal, slow c [Uniprot/SPTREMBL Acc.
ENSDARG000000103405	-3.72	5.60E-05	1.65E-03	<i>znf1102</i>	Zinc finger protein 1102 [Uniprot/SPTREMBL Acc. I3ITI4]
ENSDARG000000038095	-1.36	5.62E-05	1.65E-03	<i>socs1a</i>	Socs1 protein [Uniprot/SPTREMBL Acc. Q6DEF9]
ENSDARG000000069944	-2.55	5.65E-05	1.66E-03	<i>p2ry13</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. E7FET7]
ENSDARG000000093008	-1.52	5.66E-05	1.66E-03	<i>adgrf3b</i>	Adhesion G protein-coupled receptor F3b [Uniprot/SPTREMBL Acc. A0A0G2KPF7]; Adhesion G protein-coupled receptor F3b
ENSDARG000000052115	-1.13	5.69E-05	1.66E-03	<i>ehf</i>	PNT domain-containing protein [Uniprot/SPTREMBL Acc. K7DYL2]; ETS domain-containing transcription factor [Uniprot/SPTREMBL
ENSDARG000000036636	-1.20	5.71E-05	1.66E-03	<i>ebpl</i>	EXPERA domain-containing protein [Uniprot/SPTREMBL Acc. B8A4R3]
ENSDARG000000117459	-7.81	5.76E-05	1.67E-03	<i>FO834903.1</i>	
ENSDARG000000062593	-1.55	5.96E-05	1.71E-03	<i>stox1</i>	Stork_head domain-containing protein [Uniprot/SPTREMBL Acc. B1WB79]

ENSDARG00000040505	-1.17	5.96E-05	1.71E-03	<i>yif1b</i>	Protein YIF1B [Uniprot/SPTREMBL Acc. B8JMB4]; Protein YIF1B [Uniprot/SPTREMBL Acc. B8JMB5]; Protein YIF1B
ENSDARG00000034403	-13.31	6.03E-05	1.73E-03	<i>zgc:173443</i>	Zgc:173443 [Uniprot/SPTREMBL Acc. F1QSA0]
ENSDARG00000056531	-1.29	6.26E-05	1.78E-03	<i>nutf2</i>	NTF2 domain-containing protein [Uniprot/SPTREMBL Acc. A5PN05]; NTF2 domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000074653	-11.30	6.42E-05	1.81E-03	<i>si:ch211-</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. F1QBA5]
ENSDARG00000073944	-1.09	6.58E-05	1.85E-03	<i>si:ch73-386h18.1</i>	Si:ch73-386h18.1 [Uniprot/SPTREMBL Acc. F1Q7K3]
ENSDARG000000102655	-8.15	6.66E-05	1.87E-03	<i>CABZ01050398.1</i>	Carbohydrate sulfotransferase [Uniprot/SPTREMBL Acc. A0A0G2KG56]
ENSDARG00000039452	-1.55	6.76E-05	1.89E-03	<i>hk1</i>	Hexokinase [Uniprot/SPTREMBL Acc. Q6NX09]
ENSDARG00000092425	-4.20	6.80E-05	1.90E-03	<i>BX677668.2</i>	
ENSDARG000000100964	-6.18	6.84E-05	1.91E-03	<i>si:ch211-57b15.2</i>	
ENSDARG00000033616	-1.39	6.84E-05	1.91E-03	<i>selenon</i>	Selenoprotein N [Uniprot/SPTREMBL Acc. F1Q5J7]
ENSDARG00000090698	-2.96	6.87E-05	1.91E-03	<i>si:dkey-52j6.3</i>	LRRCT domain-containing protein [Uniprot/SPTREMBL Acc. R4GDR5]
ENSDARG00000069129	-2.19	7.11E-05	1.97E-03	<i>fhdc3</i>	FH2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8PYL5]; AH domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000091558	-11.62	7.24E-05	2.00E-03	<i>si:ch211-251f6.7</i>	Si:ch211-251f6.7 [Uniprot/SPTREMBL Acc. F1QID9]; Si:ch211-251f6.7 [Uniprot/SPTREMBL Acc. F1QV16]
ENSDARG000000100563	-3.37	7.27E-05	2.01E-03	<i>BX323453.1</i>	
ENSDARG000000103154	-1.17	7.30E-05	2.01E-03	<i>si:ch73-144l3.1</i>	Si:ch73-144l3.1 [Uniprot/SPTREMBL Acc. A0A0R4IV10]; B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000069280	-1.69	7.59E-05	2.08E-03	<i>tsen15</i>	Sen15 domain-containing protein [Uniprot/SPTREMBL Acc. A5WV68]
ENSDARG00000011999	-2.21	7.63E-05	2.09E-03	<i>ybey</i>	YbeY metalloendornbonuclease [Uniprot/SPTREMBL Acc. A0A2R9YJM1]; YbeY metalloendornbonuclease [Uniprot/SPTREMBL Acc.
ENSDARG000000102241	-5.72	8.01E-05	2.18E-03	<i>zgc:136410</i>	Zgc:136410 [Uniprot/SPTREMBL Acc. A0A0R4IAD4]
ENSDARG00000058556	-3.87	8.04E-05	2.18E-03	<i>muc5.2</i>	VWFD domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RJ9]; Mucin 5.2 [Uniprot/SPTREMBL Acc. X1WG18]
ENSDARG00000058716	-1.90	8.25E-05	2.23E-03	<i>cept1a</i>	Choline/ethanolamine phosphotransferase 1a [Uniprot/SPTREMBL Acc. B8JLM0]
ENSDARG00000053448	-6.35	8.38E-05	2.26E-03	<i>si:ch211-251f6.6</i>	Si:ch211-251f6.6 [Uniprot/SPTREMBL Acc. F1QNU7]
ENSDARG00000090228	-1.15	8.39E-05	2.26E-03	<i>gsta.1</i>	Glutathione transferase [Uniprot/SPTREMBL Acc. F1R4Z8]
ENSDARG00000038898	-4.48	8.53E-05	2.29E-03	<i>zgc:113691</i>	Zgc:113691 [Uniprot/SPTREMBL Acc. B0S5I7]; Zgc:113691 [Uniprot/SPTREMBL Acc. F1QF27]
ENSDARG000000116052	-1.08	8.80E-05	2.35E-03	<i>il4r.2</i>	IL4Ra_N domain-containing protein [Uniprot/SPTREMBL Acc. A8WHA2]; IL4Ra_N domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000097743	-1.74	8.88E-05	2.37E-03	<i>si:dkey-276j7.2</i>	
ENSDARG000000111373	-12.76	8.93E-05	2.38E-03	<i>BX005305.2</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. F1QYK8]
ENSDARG00000005651	-1.10	9.06E-05	2.41E-03	<i>hrasb</i>	HRas proto-oncogene, GTPase b [Uniprot/SPTREMBL Acc. A0A1L1QZE5]; HRas proto-oncogene, GTPase b [Uniprot/SPTREMBL
ENSDARG00000070702	-2.11	9.36E-05	2.47E-03	<i>s100v2</i>	S_100 domain-containing protein [Uniprot/SPTREMBL Acc. Q1LUV5]
ENSDARG00000052842	-1.05	9.75E-05	2.56E-03	<i>ppifb</i>	Peptidyl-prolyl cis-trans isomerase [Uniprot/SPTREMBL Acc. F1QLH1]
ENSDARG00000068125	-0.90	9.83E-05	2.57E-03	<i>nfu1</i>	Nfu_N domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RVW0]; NFU1 iron-sulfur cluster scaffold homolog,
ENSDARG00000077372	-1.24	1.01E-04	2.63E-03	<i>tfr1b</i>	Transferrin receptor protein 1 [Uniprot/SPTREMBL Acc. E9QGG9]
ENSDARG00000006863	-3.01	1.03E-04	2.69E-03	<i>si:ch1073-</i>	
ENSDARG00000016318	-2.14	1.05E-04	2.72E-03	<i>med7</i>	Mediator of RNA polymerase II transcription subunit 7 [Uniprot/SPTREMBL Acc. A7YYI6]
ENSDARG00000098415	-5.44	1.06E-04	2.75E-03	<i>CT956093.1</i>	
ENSDARG000000104004	-8.84	1.07E-04	2.76E-03	<i>si:dkey-146c18.2</i>	Si:dkey-146c18.2 [Uniprot/SPTREMBL Acc. A0A0R4ISJ2]
ENSDARG00000092259	-5.64	1.09E-04	2.81E-03	<i>si:dkey-211g8.5</i>	
ENSDARG00000075134	-6.53	1.10E-04	2.83E-03	<i>adgrf11</i>	Adhesion G protein-coupled receptor F11 [Uniprot/SPTREMBL Acc. E7FF72]
ENSDARG000000101441	-1.16	1.10E-04	2.83E-03	<i>lima1a</i>	LIM zinc-binding domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KJM7]
ENSDARG00000090277	-2.40	1.11E-04	2.83E-03	<i>BX248410.3</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. E7F8M0]
ENSDARG00000076002	-0.91	1.13E-04	2.88E-03	<i>osbp5</i>	Oxysterol-binding protein [Uniprot/SPTREMBL Acc. E7FGK0]
ENSDARG00000028816	-1.11	1.14E-04	2.92E-03	<i>tmed3</i>	GOLD domain-containing protein [Uniprot/SPTREMBL Acc. B3DKM3]
ENSDARG00000069941	-2.61	1.17E-04	2.97E-03	<i>tdp2a</i>	Endo/exonuclease/phosphatase domain-containing protein [Uniprot/SPTREMBL Acc. E7FEU2]
ENSDARG00000012468	-1.59	1.17E-04	2.97E-03	<i>aacs</i>	Acetoacetyl-CoA synthetase [Uniprot/SWISSPROT Acc. A3QK15]
ENSDARG00000032929	-1.99	1.20E-04	3.03E-03	<i>cryba1l1</i>	Crystallin, beta A1,-like 1 [Uniprot/SPTREMBL Acc. F6NZW6]; Beta A1-2-crystallin [Uniprot/SPTREMBL Acc. Q52JI6]
ENSDARG00000056591	-1.54	1.20E-04	3.03E-03	<i>gucy1b2</i>	Guanylate cyclase [Uniprot/SPTREMBL Acc. E7F6T1]
ENSDARG00000062568	-0.99	1.23E-04	3.09E-03	<i>mrrp12</i>	Ribosomal_L2_C domain-containing protein [Uniprot/SPTREMBL Acc. E7F8R3]
ENSDARG000000113858	-6.67	1.24E-04	3.10E-03	<i>AL928650.4</i>	ATP-dependent DNA helicase [Uniprot/SPTREMBL Acc. Q7M562]
ENSDARG000000117609	-4.17	1.26E-04	3.14E-03	<i>CABZ01079281.1</i>	
ENSDARG00000056804	-1.48	1.25E-04	3.14E-03	<i>si:dkey-40g16.6</i>	Amine oxidase [Uniprot/SPTREMBL Acc. F1QRA1]
ENSDARG00000078060	-3.82	1.29E-04	3.20E-03	<i>syf7b</i>	Synaptotagmin VIIb [Uniprot/SPTREMBL Acc. A0A0R4ILT1]; Synaptotagmin 7 [Uniprot/SPTREMBL Acc. D4P8S0]; C2 domain-

ENSDARG00000020289	-2.62	1.32E-04	3.26E-03	<i>pif1</i>	ATP-dependent DNA helicase PIF1 [Uniprot/SPTREMBL Acc. A0A2R8QPL9]; ATP-dependent DNA helicase PIF1
ENSDARG00000075785	-2.42	1.32E-04	3.26E-03	<i>si:ch73-190m4.1</i>	HECT domain-containing protein [Uniprot/SPTREMBL Acc. F1RDE7]
ENSDARG00000100909	-0.92	1.38E-04	3.39E-03	<i>zgc:173581</i>	Zgc:173581 [Uniprot/SPTREMBL Acc. A0A0R4IEH8]
ENSDARG00000069029	-2.58	1.38E-04	3.39E-03	<i>acss2l</i>	Acetyl-coenzyme A synthetase [Uniprot/SPTREMBL Acc. F1QQH3]
ENSDARG00000109502	-1.82	1.42E-04	3.46E-03	<i>PHF21B</i>	PHD-type domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QBQ6]
ENSDARG00000057239	-3.28	1.43E-04	3.49E-03	<i>tpb2</i>	Tryptophan 5-monooxygenase [Uniprot/SPTREMBL Acc. Q1LUE3]; Tryptophan 5-monooxygenase [Uniprot/SPTREMBL Acc.
ENSDARG00000101479	-1.65	1.46E-04	3.53E-03	<i>BX908782.2</i>	
ENSDARG00000034825	-1.19	1.46E-04	3.53E-03	<i>uspl1</i>	SUMO-specific isopeptidase USPL1 [Uniprot/SWISSPROT Acc. Q6DRC5]
ENSDARG00000010625	-1.10	1.48E-04	3.59E-03	<i>cltc2</i>	Chloride intracellular channel protein [Uniprot/SPTREMBL Acc. F1QT11]
ENSDARG00000105134	-1.46	1.49E-04	3.60E-03	<i>zdhhc24</i>	Palmitoyltransferase [Uniprot/SPTREMBL Acc. F1QGD2]
ENSDARG00000092033	-1.85	1.52E-04	3.67E-03	<i>si:dkey-239h2.3</i>	
ENSDARG00000008852	-1.16	1.58E-04	3.81E-03	<i>elp4</i>	Elongator complex protein 4 [Uniprot/SPTREMBL Acc. A0A0R4IEA9]; Elongator complex protein 4 [Uniprot/SWISSPROT Acc.
ENSDARG00000068289	-1.02	1.59E-04	3.82E-03	<i>eif3k</i>	Eukaryotic translation initiation factor 3 subunit K [Uniprot/SPTREMBL Acc. F1QI18]
ENSDARG00000002494	-1.03	1.60E-04	3.86E-03	<i>itgb6</i>	Integrin beta [Uniprot/SPTREMBL Acc. A0A0R4IP79]; Integrin beta [Uniprot/SPTREMBL Acc. F1QGX0]
ENSDARG00000077783	-1.27	1.62E-04	3.88E-03	<i>SRMS</i>	SH3 domain-containing protein [Uniprot/SPTREMBL Acc. B3DHT0]; Tyrosine-protein kinase [Uniprot/SPTREMBL Acc. X1WHM4]
ENSDARG00000062235	-2.53	1.63E-04	3.89E-03	<i>lrrc34</i>	
ENSDARG00000035308	-1.25	1.63E-04	3.89E-03	<i>grb10b</i>	Growth factor receptor-bound protein 10b [Uniprot/SPTREMBL Acc. F1QSC3]
ENSDARG00000094937	-2.38	1.66E-04	3.95E-03	<i>CR450833.1</i>	
ENSDARG00000103603	-2.07	1.74E-04	4.12E-03	<i>CABZ01068244.1</i>	IG domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KMX8]
ENSDARG00000094958	-3.96	1.82E-04	4.27E-03	<i>CR392341.3</i>	
ENSDARG00000056206	-1.12	1.86E-04	4.34E-03	<i>camk2g2</i>	Calcium/calmodulin-dependent protein kinase [Uniprot/SPTREMBL Acc. A0A0R4IQT3]; Calcium/calmodulin-dependent protein
ENSDARG00000041960	-1.37	1.88E-04	4.38E-03	<i>si:ch211-173a9.6</i>	
ENSDARG00000057249	-0.95	1.88E-04	4.38E-03	<i>zmynd11</i>	Zinc finger, MYND-type-containing 11 [Uniprot/SPTREMBL Acc. A0A2R8PVB4]; Zinc finger, MYND-type-containing 11
ENSDARG00000078731	-2.99	1.91E-04	4.44E-03	<i>si:dkey-85k7.12</i>	Si:dkey-85k7.12 [Uniprot/SPTREMBL Acc. A0A1D5NSY6]
ENSDARG00000079537	-1.65	1.93E-04	4.48E-03	<i>ftt13</i>	FinTRIM family, member 13 [Uniprot/SPTREMBL Acc. E9QD29]; FinTRIM family, member 13 [Uniprot/SPTREMBL Acc. F1QJ94]
ENSDARG00000094230	-1.40	1.95E-04	4.51E-03	<i>si:dkey-211g8.4</i>	Si:dkey-211g8.4 [Uniprot/SPTREMBL Acc. Q1L957]
ENSDARG00000104303	-1.25	1.97E-04	4.54E-03	<i>FP085399.4</i>	
ENSDARG00000045262	-1.68	2.02E-04	4.65E-03	<i>gsnb</i>	Actin-depolymerizing factor [Uniprot/SPTREMBL Acc. F1QQQ5]
ENSDARG00000051899	-1.50	2.02E-04	4.65E-03	<i>exoc3l1</i>	Exocyst complex component 3-like protein [Uniprot/SWISSPROT Acc. A2AV37]
ENSDARG00000078094	-1.00	2.02E-04	4.65E-03	<i>lmf2a</i>	Lipase maturation factor [Uniprot/SPTREMBL Acc. B3DK37]
ENSDARG00000014427	-3.17	2.03E-04	4.66E-03	<i>mxe</i>	Interferon-induced GTP-binding protein Mx E [Uniprot/SWISSPROT Acc. Q800G5]
ENSDARG00000117407	-1.00	2.07E-04	4.75E-03	<i>AL954191.2</i>	
ENSDARG00000109460	-6.33	2.11E-04	4.82E-03	<i>CR762420.1</i>	ATP-dependent DNA helicase [Uniprot/SPTREMBL Acc. A0A2R8RYX2]
ENSDARG00000062721	-1.69	2.11E-04	4.82E-03	<i>dennd4a</i>	DENN/MADD domain-containing 4A [Uniprot/SPTREMBL Acc. A0A286Y972]; DENN/MADD domain-containing 4A
ENSDARG00000093240	-0.94	2.14E-04	4.88E-03	<i>GMEB2</i>	SAND domain-containing protein [Uniprot/SPTREMBL Acc. E9QCL9]
ENSDARG00000058160	-1.73	2.18E-04	4.94E-03	<i>tnfaip2b</i>	Tumor necrosis factor, alpha-induced protein 2b [Uniprot/SPTREMBL Acc. F1RDH8]
ENSDARG00000088825	-2.10	2.21E-04	5.01E-03	<i>cttb</i>	Citron rho-interacting serine/threonine kinase b [Uniprot/SPTREMBL Acc. F1QN82]
ENSDARG00000093483	-2.71	2.23E-04	5.04E-03	<i>BX530034.1</i>	
ENSDARG00000035797	-4.67	2.25E-04	5.07E-03	<i>si:dkey-17m8.2</i>	
ENSDARG00000068103	-1.66	2.25E-04	5.07E-03	<i>clap45</i>	RabBD domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q6T6]; RabBD domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000099259	-2.53	2.27E-04	5.10E-03	<i>tradv15.0</i>	
ENSDARG00000086418	-1.82	2.28E-04	5.12E-03	<i>si:ch211-236p5.3</i>	Si:ch211-236p5.3 [Uniprot/SPTREMBL Acc. E7FD84]
ENSDARG00000076357	-1.63	2.28E-04	5.12E-03	<i>CABZ01102039.1</i>	Myosin_tail_1 domain-containing protein [Uniprot/SPTREMBL Acc. E7F894]
ENSDARG00000058734	-1.05	2.30E-04	5.14E-03	<i>prdx1</i>	Peroxiredoxin-1 [Uniprot/SPTREMBL Acc. A2AWE1]
ENSDARG00000099509	-1.15	2.32E-04	5.17E-03	<i>btr23</i>	Bloodthirsty-related gene family, member 23 [Uniprot/SPTREMBL Acc. A0A0R4IBP6]
ENSDARG00000092521	-8.80	2.45E-04	5.41E-03	<i>jac1</i>	
ENSDARG00000015607	-3.81	2.45E-04	5.41E-03	<i>si:ch211-220f21.2</i>	Si:ch211-220f21.2 [Uniprot/SPTREMBL Acc. A0A0G2KU97]; Si:ch211-220f21.2 [Uniprot/SPTREMBL Acc. A0A140LFQ2]; Si:ch211-
ENSDARG00000114977	-6.08	2.50E-04	5.48E-03	<i>CT025651.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8PY01]
ENSDARG00000062817	-1.06	2.50E-04	5.48E-03	<i>crym</i>	Ketimine reductase mu-crystallin [Uniprot/SPTREMBL Acc. R4GET2]
ENSDARG0000011407	-1.64	2.50E-04	5.49E-03	<i>col2a1b</i>	Fibrillar collagen NC1 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0H2UKU2]

ENSDARG00000086838	-1.19	2.53E-04	5.54E-03	<i>itga2.3</i>	Integrin_alpha2 domain-containing protein [Uniprot/SPTREMBL Acc. F1RA57]
ENSDARG000000109749	-3.50	2.54E-04	5.56E-03	<i>si:ch211-162i8.7</i>	Si:ch211-162i8.7 [Uniprot/SPTREMBL Acc. H0WEI9]
ENSDARG000000101843	-3.03	2.55E-04	5.56E-03	<i>znf1106</i>	Zinc finger protein 1106 [Uniprot/SPTREMBL Acc. E9QEE1]
ENSDARG00000056549	-0.87	2.59E-04	5.63E-03	<i>vps26a</i>	Vacuolar protein sorting 26 homolog A (Yeast) [Uniprot/SPTREMBL Acc. A9JRS5]; Vacuolar protein sorting-associated protein 26A
ENSDARG000000081937	-2.46	2.60E-04	5.64E-03	<i>CR936321.3</i>	
ENSDARG000000012942	-1.10	2.60E-04	5.64E-03	<i>itgb5</i>	Integrin beta [Uniprot/SPTREMBL Acc. B0UY54]; PSI domain-containing protein [Uniprot/SPTREMBL Acc. B0UY74]; Integrin beta
ENSDARG000000099298	-1.15	2.63E-04	5.69E-03	<i>xrcc5</i>	X-ray repair cross-complementing protein 5 [Uniprot/SPTREMBL Acc. A0A0R4IB13]
ENSDARG00000010785	-2.09	2.67E-04	5.78E-03	<i>thbs1b</i>	Thrombospondin 1b [Uniprot/SPTREMBL Acc. F1QEE7]; Thrombospondin 1b [Uniprot/SPTREMBL Acc. F1QL35]
ENSDARG000000012945	-1.26	2.70E-04	5.83E-03	<i>tnfsf13b</i>	TNF_2 domain-containing protein [Uniprot/SPTREMBL Acc. F1QUA2]
ENSDARG000000061602	-2.02	2.71E-04	5.83E-03	<i>ssx2ipb</i>	Synovial sarcoma, X breakpoint 2-interacting protein b [Uniprot/SPTREMBL Acc. A0A2R8RJL2]; Synovial sarcoma, X breakpoint 2-
ENSDARG000000101178	-1.25	2.80E-04	6.00E-03	<i>sh3rf2</i>	SH3 domain-containing ring finger 2 [Uniprot/SPTREMBL Acc. A0A0R4ILG6]; SH3 domain-containing ring finger 2
ENSDARG000000073820	-2.60	2.85E-04	6.09E-03	<i>zgc:174917</i>	Zgc:174917 [Uniprot/SPTREMBL Acc. A8E5P7]
ENSDARG000000023526	-3.79	2.85E-04	6.10E-03	<i>ggt1a</i>	Gamma-glutamyltransferase 1a [Uniprot/SPTREMBL Acc. B0UXV5]; Gamma-glutamyltransferase 1 [Uniprot/SPTREMBL Acc.
ENSDARG000000031658	-1.14	2.89E-04	6.15E-03	<i>si:ch211-207d6.2</i>	ALP3 domain-containing protein [Uniprot/SPTREMBL Acc. F1QUM1]; ALP3 domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000102595	-1.64	2.90E-04	6.16E-03	<i>si:dkey-250k10.1</i>	Si:dkey-250k10.1 [Uniprot/SPTREMBL Acc. A0A0R4IHK6]; NACHT domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG000000100412	-1.63	2.93E-04	6.20E-03	<i>si:ch211-</i>	Si:ch211-171117.14 [Uniprot/SPTREMBL Acc. A0A0R4ISN9]; Si:ch211-171117.14 [Uniprot/SPTREMBL Acc. A0A0R4IWW7]; NACHT
ENSDARG000000112540	-4.44	2.94E-04	6.21E-03	<i>cst14b.2</i>	Cystatin 14b, tandem duplicate 2 [Uniprot/SPTREMBL Acc. A0A2R8RU89]
ENSDARG000000075015	-1.34	3.00E-04	6.31E-03	<i>soul5</i>	Heme-binding protein soul5 [Uniprot/SPTREMBL Acc. F1QF69]
ENSDARG000000051896	-9.40	3.02E-04	6.34E-03	<i>fnb2a</i>	Fibrillin 2a [Uniprot/SPTREMBL Acc. F1QNG9]; Fibrillin 2a [Uniprot/SPTREMBL Acc. F8W453]
ENSDARG000000055238	-4.73	3.07E-04	6.42E-03	<i>kif17</i>	Kinesin-like protein [Uniprot/SPTREMBL Acc. F1QV34]
ENSDARG000000079110	-1.49	3.07E-04	6.42E-03	<i>cluap1</i>	Clusterin-associated protein 1 homolog [Uniprot/SPTREMBL Acc. F1R2C8]; Clusterin-associated protein 1 homolog
ENSDARG000000068374	-1.11	3.09E-04	6.44E-03	<i>si:ch211-132b12.7</i>	Si:ch211-132b12.7 [Uniprot/SPTREMBL Acc. F1RBS7]; Si:ch211-132b12.7 [Uniprot/SPTREMBL Acc. Q1LVI5]
ENSDARG000000110960	-3.74	3.13E-04	6.53E-03	<i>BX769173.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8QR23]
ENSDARG000000075100	-2.18	3.26E-04	6.75E-03	<i>neol1b</i>	Fibronectin type-III domain-containing protein [Uniprot/SPTREMBL Acc. A0A0H2UKR4]; Neogenin_C domain-containing protein
ENSDARG000000060471	-1.14	3.26E-04	6.75E-03	<i>gcnt3</i>	Glucosaminyl (N-acetyl) transferase 3, mucin type [Uniprot/SPTREMBL Acc. A0A2R8QKM9]; Glucosaminyl (N-acetyl) transferase 3,
ENSDARG000000004880	-1.10	3.31E-04	6.83E-03	<i>acsm3</i>	Acyl-CoA synthetase medium chain family member 3 [Uniprot/SPTREMBL Acc. A9JRA7]
ENSDARG000000012789	-2.37	3.34E-04	6.88E-03	<i>plek2</i>	Pleckstrin 2 [Uniprot/SPTREMBL Acc. B3DLH5]
ENSDARG0000000110288	-1.07	3.36E-04	6.92E-03	<i>CT583625.5</i>	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8RXT3]
ENSDARG000000091381	-0.87	3.38E-04	6.95E-03	<i>si:ch211-214c20.1</i>	Si:ch211-214c20.1 [Uniprot/SPTREMBL Acc. A0A0R4IYF3]; Si:ch211-214c20.1 [Uniprot/SPTREMBL Acc. F1QBQ9]
ENSDARG000000107077	-2.40	3.41E-04	7.00E-03	<i>BX571884.2</i>	C2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QQP8]
ENSDARG000000089717	-4.67	3.47E-04	7.11E-03	<i>qpct</i>	Glutaminyl-peptide cyclotransferase [Uniprot/SPTREMBL Acc. E7F8H4]; Glutaminyl-peptide cyclotransferase [Uniprot/SPTREMBL
ENSDARG000000088347	-0.91	3.50E-04	7.16E-03	<i>sp1</i>	Sp1 transcription factor [Uniprot/SPTREMBL Acc. A0A0J9YJM3]; Sp1 transcription factor [Uniprot/SPTREMBL Acc. A0A0R4IH77];
ENSDARG000000077084	-2.01	3.52E-04	7.19E-03	<i>col28a1a</i>	VWFA domain-containing protein [Uniprot/SPTREMBL Acc. A5WUJ9]; Collagen, type XXVIII, alpha 1a [Uniprot/SPTREMBL Acc.
ENSDARG000000099899	-4.94	3.56E-04	7.26E-03	<i>si:dkeyp-51g9.4</i>	Si:dkeyp-51g9.4 [Uniprot/SPTREMBL Acc. A0A0R4IDC0]
ENSDARG000000007467	-3.97	3.59E-04	7.31E-03	<i>ifit10</i>	Interferon-induced protein with tetratricopeptide repeats [Uniprot/SPTREMBL Acc. E7FBH4]
ENSDARG000000097446	-2.47	3.74E-04	7.61E-03	<i>si:ch211-66i15.5</i>	Si:ch211-66i15.5 [Uniprot/SPTREMBL Acc. A0A2R8QD20]; Si:ch211-66i15.5 [Uniprot/SPTREMBL Acc. X1WBH7]
ENSDARG000000010482	-6.14	3.80E-04	7.71E-03	<i>prg4a</i>	Proteoglycan 4a [Uniprot/SPTREMBL Acc. B8JMI4]; Proteoglycan 4a [Uniprot/SPTREMBL Acc. B8JMI5]; Proteoglycan 4a
ENSDARG000000117736	-1.81	3.90E-04	7.87E-03	<i>LO018205.3</i>	
ENSDARG000000103037	-1.47	4.02E-04	8.07E-03	<i>CR848788.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2LA86]
ENSDARG000000053387	-3.69	4.09E-04	8.17E-03	<i>CU207281.1</i>	
ENSDARG000000007601	-0.90	4.15E-04	8.27E-03	<i>zmynd8</i>	Zinc finger, MYND-type-containing 8 [Uniprot/SPTREMBL Acc. A0A0R4ISB9]; Zinc finger, MYND-type-containing 8
ENSDARG000000090873	-2.26	4.17E-04	8.30E-03	<i>ccl34a.4</i>	SCY domain-containing protein [Uniprot/SPTREMBL Acc. B3DGJ7]
ENSDARG000000099802	-1.39	4.20E-04	8.35E-03	<i>pnp5b</i>	Purine nucleoside phosphorylase [Uniprot/SPTREMBL Acc. A0A0R4IBA8]; Purine nucleoside phosphorylase [Uniprot/SPTREMBL
ENSDARG000000044925	-1.06	4.28E-04	8.48E-03	<i>cdk5rap1</i>	CDK5 regulatory subunit-associated protein 1 [Uniprot/SPTREMBL Acc. F1QMW8]
ENSDARG000000058252	-2.33	4.29E-04	8.50E-03	<i>adamts15b</i>	Peptidase M12B domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IHE4]; Peptidase M12B domain-containing protein
ENSDARG000000010244	-1.01	4.36E-04	8.62E-03	<i>rpl22l1</i>	Ribosomal protein L22-like 1 [Uniprot/SPTREMBL Acc. E9QFV8]; Ribosomal protein L22-like 1 [Uniprot/SPTREMBL Acc. Q0VFW0]
ENSDARG000000016038	-0.98	4.45E-04	8.78E-03	<i>hacd3</i>	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase [Uniprot/SPTREMBL Acc. B3DGL9]; Very-long-chain (3R)-3-hydroxyacyl-CoA
ENSDARG000000097746	-2.22	4.66E-04	9.15E-03	<i>si:rp71-77l1.1</i>	Si:rp71-77l1.1 [Uniprot/SPTREMBL Acc. X1WG92]
ENSDARG0000000101618	-0.81	4.68E-04	9.19E-03	<i>ube2c</i>	Ubiquitin-conjugating enzyme E2C [Uniprot/SPTREMBL Acc. A0A0R4IMU0]
ENSDARG000000052734	-2.54	4.70E-04	9.21E-03	<i>hmgcra</i>	3-hydroxy-3-methylglutaryl-coenzyme A reductase [Uniprot/SPTREMBL Acc. A0A2R8QHL5]; 3-hydroxy-3-methylglutaryl coenzyme

ENSDARG00000100379	-2.02	4,79E-04	9,34E-03	<i>si:dkey-34d22.2</i>	Si:dkey-34d22.2 [Uniprot/SPTREMBL Acc. A0A0R4IID4]
ENSDARG00000099155	-1.31	4,81E-04	9,38E-03	<i>tpst2</i>	Protein-tyrosine sulfotransferase [Uniprot/SPTREMBL Acc. Q7T295]
ENSDARG00000097583	-0.81	4,90E-04	9,51E-03	<i>arfgap3</i>	ADP-ribosylation factor GTPase-activating protein 3 [Uniprot/SPTREMBL Acc. X1WBY0]; Arf-GAP domain-containing protein
ENSDARG00000096741	-2.24	4,91E-04	9,52E-03	<i>BX088644.1</i>	
ENSDARG00000038881	-0.84	5,07E-04	9,78E-03	<i>acaa2</i>	Acetyl-CoA acyltransferase 2 [Uniprot/SPTREMBL Acc. B0S5C5]
ENSDARG00000098204	-3.84	5,12E-04	9,82E-03	<i>CU984600.2</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2L6F9]
ENSDARG000000117552	-1.52	5,11E-04	9,82E-03	<i>CABZ01078607.1</i>	
ENSDARG000000104099	-1.10	5,11E-04	9,82E-03	<i>FP236513.1</i>	
ENSDARG000000104832	-6.95	5,17E-04	9,92E-03	<i>CU914164.1</i>	TIR domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KM01]; TIR domain-containing protein [Uniprot/SPTREMBL Acc. Q08CJ4]
ENSDARG00000057058	-1.12	5,22E-04	9,98E-03	<i>minpp1a</i>	2,3-bisphosphoglycerate 3-phosphatase [Uniprot/SPTREMBL Acc. Q08CJ4]
ENSDARG00000001909	-2.56	5,22E-04	9,98E-03	<i>vill</i>	HP domain-containing protein [Uniprot/SPTREMBL Acc. E7FC92]
ENSDARG00000090957	-2.32	5,26E-04	1,00E-02	<i>CU469420.2</i>	
ENSDARG00000094753	-6.25	5,28E-04	1,01E-02	<i>si:dkey-71d15.2</i>	Si:dkey-71d15.2 [Uniprot/SPTREMBL Acc. A0A0R4IV45]; Si:dkey-71d15.2 [Uniprot/SPTREMBL Acc. E9QGJ0]
ENSDARG00000093440	-1.86	5,37E-04	1,02E-02	<i>tnfaip6</i>	Tumor necrosis factor, alpha-induced protein 6 [Uniprot/SPTREMBL Acc. B0UY56]
ENSDARG000000113719	-2.34	5,43E-04	1,03E-02	<i>CABZ01118575.1</i>	Sema domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QFP9]
ENSDARG000000103117	-1.18	5,44E-04	1,03E-02	<i>tmprss4a</i>	SRCR domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IB12]; Transmembrane serine protease 4a [Uniprot/SPTREMBL Acc. A0A0R4IB12]
ENSDARG000000095058	-4.44	5,51E-04	1,04E-02	<i>CT025776.1</i>	
ENSDARG00000090844	-1.17	5,56E-04	1,05E-02	<i>CABZ01054965.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. E7FGC6]
ENSDARG00000092066	-1.93	5,57E-04	1,05E-02	<i>CT583708.1</i>	
ENSDARG00000091185	-5.76	5,59E-04	1,05E-02	<i>FP017295.1</i>	
ENSDARG00000012311	-2.70	5,59E-04	1,05E-02	<i>myoz2a</i>	Myozenin 2 [Uniprot/SPTREMBL Acc. Q6P2T2]
ENSDARG00000011537	-0.97	5,60E-04	1,05E-02	<i>ugt2a5</i>	UDP glucuronosyltransferase 2 family, polypeptide A5 [Uniprot/SPTREMBL Acc. A0A2R8PVB8]; UDP-glucuronosyltransferase
ENSDARG00000004539	-2.23	5,61E-04	1,05E-02	<i>ptgs2a</i>	Cyclooxygenase-2 [Uniprot/SPTREMBL Acc. Q6P4V3]
ENSDARG000000100876	-3.48	5,64E-04	1,06E-02	<i>sez6a</i>	Seizure-related 6 homolog a [Uniprot/SPTREMBL Acc. A0A0R4IJM1]
ENSDARG00000090916	-8.38	5,83E-04	1,09E-02	<i>CR559930.1</i>	
ENSDARG00000004696	-0.96	6,11E-04	1,14E-02	<i>eefsec</i>	Tr-type G domain-containing protein [Uniprot/SPTREMBL Acc. F1R2J6]
ENSDARG00000070581	-5.15	6,14E-04	1,14E-02	<i>ggact.1</i>	Gamma-glutamylaminocyclotransferase [Uniprot/SPTREMBL Acc. F1QN86]
ENSDARG00000099384	-4.93	6,17E-04	1,15E-02	<i>si:dkey-238k10.1</i>	B30.2/SPRY domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4III4]
ENSDARG000000103425	-2.13	6,20E-04	1,15E-02	<i>CR457444.4</i>	
ENSDARG000000103471	-2.25	6,22E-04	1,15E-02	<i>si:dkey-199m13.4</i>	Si:dkey-199m13.4 [Uniprot/SPTREMBL Acc. F1QRJ7]
ENSDARG00000054856	-1.51	6,36E-04	1,17E-02	<i>CSKMT</i>	
ENSDARG00000038703	-1.25	6,39E-04	1,17E-02	<i>hkdc1</i>	Hexokinase [Uniprot/SPTREMBL Acc. B8A5H6]
ENSDARG00000077547	-1.75	6,43E-04	1,18E-02	<i>tmlhe</i>	Epsilon-trimethyllysine 2-oxoglutarate dioxygenase [Uniprot/SPTREMBL Acc. E7F0M9]
ENSDARG00000057112	-4.28	6,45E-04	1,18E-02	<i>gpr25</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IPC6]
ENSDARG00000099876	-1.37	6,45E-04	1,18E-02	<i>BX908401.1</i>	
ENSDARG00000022456	-1.21	6,52E-04	1,19E-02	<i>eno1a</i>	2-phospho-D-glycerate hydro-lyase [Uniprot/SPTREMBL Acc. A0A2R8Q1X2]; 2-phospho-D-glycerate hydro-lyase
ENSDARG00000097556	-1.87	6,57E-04	1,20E-02	<i>cyp8b2</i>	Cytochrome P450, family 8, subfamily B, polypeptide 2 [Uniprot/SPTREMBL Acc. X1WEZ3]
ENSDARG000000117503	-1.08	6,98E-04	1,26E-02	<i>BX248410.5</i>	
ENSDARG00000070229	-1.15	7,01E-04	1,26E-02	<i>zgc:158258</i>	Zgc:158258 [Uniprot/SPTREMBL Acc. A0A2R8QAW8]; Zgc:158258 [Uniprot/SPTREMBL Acc. F1R0H9]
ENSDARG00000008107	-0.85	7,00E-04	1,26E-02	<i>src</i>	Tyrosine-protein kinase [Uniprot/SPTREMBL Acc. A0A2R8QE56]; Proto-oncogene tyrosine-protein kinase Src
ENSDARG000000102559	-3.52	7,04E-04	1,27E-02	<i>si:dkey-16p19.5</i>	Si:dkey-16p19.5 [Uniprot/SPTREMBL Acc. F1QIE7]
ENSDARG00000030999	-1.45	7,18E-04	1,29E-02	<i>mybl1</i>	V-myb avian myeloblastosis viral oncogene homolog-like 1 [Uniprot/SPTREMBL Acc. E7FFJ6]; V-myb avian myeloblastosis viral
ENSDARG00000042816	-3.10	7,19E-04	1,29E-02	<i>mmp9</i>	Matrix metalloproteinase 9 [Uniprot/SPTREMBL Acc. F1QC76]
ENSDARG00000016357	-0.87	7,20E-04	1,29E-02	<i>fmo5</i>	Dimethylaniline monooxygenase [N-oxide-forming] [Uniprot/SPTREMBL Acc. Q7T1D7]
ENSDARG000000100564	-1.21	7,33E-04	1,31E-02	<i>sl1</i>	Fes1 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KDW7]
ENSDARG00000040657	-0.99	7,35E-04	1,31E-02	<i>wipi1</i>	WD repeat domain, phosphoinositide-interacting 1 [Uniprot/SPTREMBL Acc. B0S7L1]
ENSDARG00000071036	-0.91	7,40E-04	1,32E-02	<i>si:dkey-286j15.3</i>	
ENSDARG00000062785	-1.34	7,42E-04	1,32E-02	<i>adpgk2</i>	ADP-dependent glucokinase 2 [Uniprot/SPTREMBL Acc. E7F6M4]
ENSDARG00000076592	-0.88	7,43E-04	1,32E-02	<i>man1b1b</i>	alpha-1,2-Mannosidase [Uniprot/SPTREMBL Acc. A5WWD5]
ENSDARG00000076819	-1.65	7,54E-04	1,34E-02	<i>nlr8</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A8HAK5]

ENSDARG00000061830	-1.80	7,62E-04	1,35E-02	<i>prss12</i>	Serine protease 12 [Uniprot/SPTREMBL Acc. F1QC16]; Neurotrypsin [Uniprot/SPTREMBL Acc. F1QM24]
ENSDARG00000073994	-4.37	7,67E-04	1,35E-02	<i>si:ch211-276k2.1</i>	
ENSDARG000000025797	-1.16	7,67E-04	1,35E-02	<i>abhd2a</i>	Monoacylglycerol lipase ABHD2 [Uniprot/SWISSPROT Acc. Q802V6]
ENSDARG000000101393	-3.57	7,86E-04	1,38E-02	<i>si:dkey-31g6.6</i>	
ENSDARG000000057227	-2.46	7,93E-04	1,39E-02	<i>si:dkey-222b8.4</i>	
ENSDARG000000100332	-1.66	7,96E-04	1,39E-02	<i>CABZ01084942.1</i>	Thyroliberin receptor [Uniprot/SPTREMBL Acc. A0A0G2L0V6]
ENSDARG000000079377	-0.78	8,00E-04	1,40E-02	<i>arhgef38</i>	Dynamin-binding protein [Uniprot/SPTREMBL Acc. F1Q7X1]
ENSDARG000000100491	-3.18	8,03E-04	1,40E-02	<i>BX511111.1</i>	
ENSDARG000000029905	-1.06	8,02E-04	1,40E-02	<i>phyhd1</i>	Phytanoyl-CoA dioxygenase domain-containing protein 1 [Uniprot/SWISSPROT Acc. Q5U3U0]
ENSDARG000000040727	-0.91	8,11E-04	1,41E-02	<i>tfb1m</i>	rRNA adenine N(6)-methyltransferase [Uniprot/SPTREMBL Acc. A0A0R4IU10]; rRNA adenine N(6)-methyltransferase
ENSDARG000000036144	-0.84	8,14E-04	1,42E-02	<i>tssc4</i>	
ENSDARG000000075757	-1.70	8,25E-04	1,43E-02	<i>gig2e</i>	Gig2-like protein DreE [Uniprot/SPTREMBL Acc. A0A2R9YJN9]; Grass carp reovirus (GCRV)-induced gene 2e [Uniprot/SPTREMBL
ENSDARG000000044628	-1.08	8,29E-04	1,44E-02	<i>tdt1</i>	D-aminoacyl-tRNA deacylase 1 [Uniprot/SWISSPROT Acc. F1QGC8]
ENSDARG000000019815	-3.09	8,41E-04	1,45E-02	<i>ft1a</i>	Fibronectin 1a [Uniprot/SPTREMBL Acc. A0A2R8Q0R2]; Fibronectin [Uniprot/SPTREMBL Acc. B0S602]
ENSDARG000000077588	-2.74	8,50E-04	1,46E-02	<i>pdgfc</i>	Platelet-derived growth factor C [Uniprot/SPTREMBL Acc. E7FB33]
ENSDARG000000093405	-0.83	8,60E-04	1,48E-02	<i>casp6a</i>	Caspase 6, apoptosis-related cysteine peptidase a [Uniprot/SPTREMBL Acc. F1QBU9]
ENSDARG000000043550	-3.68	8,67E-04	1,48E-02	<i>ENKD1</i>	Enkurin domain-containing protein [Uniprot/SPTREMBL Acc. B0R196]
ENSDARG000000104325	-1.48	8,75E-04	1,50E-02	<i>plek</i>	Pleckstrin [Uniprot/SPTREMBL Acc. A0A0R4IB99]; Pleckstrin [Uniprot/SPTREMBL Acc. A0A0R4IT08]
ENSDARG000000036139	-2.37	8,86E-04	1,51E-02	<i>lctla</i>	Lactase-like a [Uniprot/SPTREMBL Acc. A0A1D5NSF4]; Lactase-like a [Uniprot/SPTREMBL Acc. A0A1D5NSH1]; Lactase-like a
ENSDARG000000100421	-2.15	8,95E-04	1,52E-02	<i>znf1129</i>	Zinc finger protein 1129 [Uniprot/SPTREMBL Acc. H0WEP1]
ENSDARG000000094840	-2.05	8,99E-04	1,53E-02	<i>si:dkey-21e2.13</i>	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8PW58]; Peptidase S1 domain-containing protein
ENSDARG000000092166	-1.43	9,28E-04	1,57E-02	<i>si:dkey-147f3.8</i>	Si:dkey-147f3.8 [Uniprot/SPTREMBL Acc. E7F9Z7]; Si:dkey-147f3.8 [Uniprot/SPTREMBL Acc. F1R0B1]; Si:dkey-147f3.8
ENSDARG000000006603	-0.87	9,71E-04	1,64E-02	<i>csrp1a</i>	Cysteine and glycine-rich protein 1a [Uniprot/SPTREMBL Acc. F8W3V9]; LIM zinc-binding domain-containing protein
ENSDARG000000044125	-0.92	9,77E-04	1,65E-02	<i>txn</i>	Thioredoxin [Uniprot/SPTREMBL Acc. Q6DG16]
ENSDARG000000104188	-1.07	9,91E-04	1,67E-02	<i>fam83fb</i>	FAM83 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IIC5]; FAM83 domain-containing protein [Uniprot/SPTREMBL
ENSDARG000000079946	-2.02	9,98E-04	1,67E-02	<i>sqlea</i>	Squalene monooxygenase [Uniprot/SPTREMBL Acc. F1QDN5]
ENSDARG000000092077	-2.37	1,02E-03	1,71E-02	<i>si:dkey-147f3.4</i>	FBA domain-containing protein [Uniprot/SPTREMBL Acc. A3QJV7]
ENSDARG000000052332	-0.78	1,05E-03	1,74E-02	<i>ft98</i>	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. A9C3N7]
ENSDARG000000061014	-2.76	1,05E-03	1,75E-02	<i>kcnj5</i>	Potassium inwardly rectifying channel subfamily J member 5 [Uniprot/SPTREMBL Acc. A0A0R4IAD0]; G protein-activated inward
ENSDARG000000095362	-0.96	1,06E-03	1,76E-02	<i>si:ch211-77g15.32</i>	
ENSDARG000000053010	-1.33	1,07E-03	1,76E-02	<i>lpcat2</i>	Lysophosphatidylcholine acyltransferase 2 [Uniprot/SPTREMBL Acc. F1Q8S6]
ENSDARG000000011376	-0.86	1,08E-03	1,78E-02	<i>dnase1l4.2</i>	Deoxyribonuclease 1-like 4, tandem duplicate 2 [Uniprot/SPTREMBL Acc. E9QB59]; Endo/exonuclease/phosphatase domain-
ENSDARG000000039399	-0.97	1,08E-03	1,78E-02	<i>nt5c2a</i>	5'-nucleotidase, cytosolic 1la [Uniprot/SPTREMBL Acc. A2ATX6]; 5'-nucleotidase, cytosolic 1la [Uniprot/SPTREMBL Acc. E7FC21]
ENSDARG000000086744	-1.41	1,09E-03	1,78E-02	<i>znf1152</i>	Zinc finger protein 1152 [Uniprot/SPTREMBL Acc. E7F835]
ENSDARG000000097082	-1.33	1,09E-03	1,79E-02	<i>im:7152348</i>	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. X1WBW3]
ENSDARG000000099885	-0.86	1,09E-03	1,79E-02	<i>trim105</i>	Tripartite motif-containing 105 [Uniprot/SPTREMBL Acc. A0A0R4IDG6]
ENSDARG000000012801	-0.97	1,10E-03	1,79E-02	<i>pfkpb</i>	ATP-dependent 6-phosphofructokinase [Uniprot/SPTREMBL Acc. E9QFJ1]; PFK domain-containing protein [Uniprot/SPTREMBL
ENSDARG0000000101351	-1.44	1,12E-03	1,83E-02	<i>si:dkey-16p6.1</i>	
ENSDARG000000043769	-2.02	1,14E-03	1,86E-02	<i>si:ch211-282j7.1</i>	
ENSDARG000000059361	-1.46	1,15E-03	1,88E-02	<i>slc39a4</i>	Solute carrier family 39 (Zinc transporter), member 4 [Uniprot/SPTREMBL Acc. B3DKI6]
ENSDARG000000095730	-5.79	1,17E-03	1,90E-02	<i>si:ch211-234p6.9</i>	
ENSDARG0000000102053	-1.68	1,18E-03	1,91E-02	<i>znf1164</i>	Zinc finger protein 1164 [Uniprot/SPTREMBL Acc. A0A0J9YJ70]; Zinc finger protein 1164 [Uniprot/SPTREMBL Acc. A0A0J9YJD2];
ENSDARG000000042641	-1.94	1,19E-03	1,92E-02	<i>cyp51</i>	Lanosterol 14-alpha demethylase [Uniprot/SWISSPROT Acc. Q1JPY5]
ENSDARG000000070362	-2.32	1,19E-03	1,93E-02	<i>cx30.9</i>	Gap junction protein [Uniprot/SPTREMBL Acc. Q6DEG1]
ENSDARG000000019236	-0.90	1,20E-03	1,94E-02	<i>gsr</i>	Pyr_redox_2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A140LGJ0]; Glutathione-disulfide reductase
ENSDARG000000093477	-2.57	1,20E-03	1,94E-02	<i>zgc:123299</i>	Zgc:123299 [Uniprot/SPTREMBL Acc. A0A0N4SU47]; Zgc:123299 [Uniprot/SPTREMBL Acc. E7F289]
ENSDARG000000080675	-4.97	1,21E-03	1,95E-02	<i>si:dkey-71b5.7</i>	Si:dkey-71b5.7 [Uniprot/SPTREMBL Acc. A0A2R8PX2]; Si:dkey-71b5.7 [Uniprot/SPTREMBL Acc. E7EXK7]
ENSDARG000000028000	-1.28	1,21E-03	1,95E-02	<i>pfkpa</i>	ATP-dependent 6-phosphofructokinase [Uniprot/SPTREMBL Acc. A0A0R4ITA8]; ATP-dependent 6-phosphofructokinase
ENSDARG000000099984	-2.96	1,23E-03	1,97E-02	<i>CABZ01023255.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2KW10]
ENSDARG000000068869	-5.91	1,23E-03	1,98E-02	<i>hspa12a.1</i>	Heat shock protein family A (Hsp70) member 12A.1 [Uniprot/SPTREMBL Acc. Q1MT77]

ENSDARG00000031343	-0.84	1,24E-03	1,99E-02	<i>rab6bb</i>	RAB6B, member RAS oncogene family b [Uniprot/SPTREMBL Acc. Q5BJD1]
ENSDARG00000093636	-5.37	1,24E-03	1,99E-02	<i>si:dkey-26i13.5</i>	Carbohydrate sulfotransferase [Uniprot/SPTREMBL Acc. A0A2R8QMW5]; Carbohydrate sulfotransferase [Uniprot/SPTREMBL Acc. A0A2R8QMW5];
ENSDARG00000002217	-0.88	1,24E-03	1,99E-02	<i>scocb</i>	Short coiled-coil protein B [Uniprot/SPTREMBL Acc. A0A0H2UKD1]
ENSDARG00000045958	-3.86	1,25E-03	2,00E-02	<i>egfl6</i>	MAM domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IZW3]; EGF-like-domain, multiple 6 [Uniprot/SPTREMBL Acc. A0A0R4IZW3];
ENSDARG000000104343	-1.77	1,26E-03	2,01E-02	<i>ppic</i>	Peptidyl-prolyl cis-trans isomerase [Uniprot/SPTREMBL Acc. H9GXB9]
ENSDARG000000091813	-1.21	1,26E-03	2,01E-02	<i>si:dkey-21a6.5</i>	Si:dkey-21a6.5 [Uniprot/SPTREMBL Acc. E7FCH1]
ENSDARG000000090171	-1.06	1,26E-03	2,01E-02	<i>BX323556.1</i>	
ENSDARG00000089318	-2.09	1,26E-03	2,01E-02	<i>BX088538.1</i>	
ENSDARG00000058254	-1.90	1,28E-03	2,03E-02	<i>si:ch211-213d14.1</i>	
ENSDARG00000080020	-0.89	1,29E-03	2,04E-02	<i>il13ra1</i>	Interleukin 13 receptor alpha 1 [Uniprot/SPTREMBL Acc. A8WH86]
ENSDARG000000101873	-0.96	1,31E-03	2,07E-02	<i>dtwd2</i>	tRNA-uridine aminocarboxypropyltransferase [Uniprot/SPTREMBL Acc. A0A0R3P9C0]
ENSDARG00000069504	-1.69	1,32E-03	2,09E-02	<i>si:dkey-88e18.2</i>	
ENSDARG000000104829	-1.99	1,34E-03	2,11E-02	<i>zgc:112146</i>	Zgc:112146 [Uniprot/SPTREMBL Acc. A0A0R4ILP9]
ENSDARG000000111637	-6.56	1,35E-03	2,13E-02	<i>FQ377660.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8Q2L3]
ENSDARG00000043593	-0.86	1,36E-03	2,14E-02	<i>rapgef1a</i>	Rap guanine nucleotide exchange factor (GEF) 1a [Uniprot/SPTREMBL Acc. A0A2R8QHG1]; Rap guanine nucleotide exchange
ENSDARG000000099023	-4.28	1,37E-03	2,15E-02	<i>CABZ01034698.1</i>	
ENSDARG00000058208	-0.92	1,38E-03	2,17E-02	<i>slc25a26</i>	Slc25a26 protein [Uniprot/SPTREMBL Acc. B2GQ56]; S-adenosylmethionine mitochondrial carrier protein [Uniprot/SPTREMBL Acc. B2GQ56];
ENSDARG000000103814	-1.62	1,40E-03	2,20E-02	<i>CR450808.4</i>	
ENSDARG000000061956	-1.12	1,41E-03	2,21E-02	<i>syt12a</i>	Synaptotagmin-like 2a [Uniprot/SPTREMBL Acc. A0A2R8QCD8]; Synaptotagmin-like 2a [Uniprot/SPTREMBL Acc. E7FB61]
ENSDARG000000104656	-2.03	1,41E-03	2,22E-02	<i>si:dkeyp-97a10.3</i>	Si:dkeyp-97a10.3 [Uniprot/SPTREMBL Acc. A0A0R4IXF4]
ENSDARG000000090038	-2.67	1,43E-03	2,24E-02	<i>BX248410.2</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. F1QLD8]
ENSDARG00000055520	-0.81	1,44E-03	2,25E-02	<i>frt61</i>	FinTRIM family, member 61 [Uniprot/SPTREMBL Acc. E7F3Y3]; FinTRIM family, member 61 [Uniprot/SPTREMBL Acc. E9QDE1]
ENSDARG00000055046	-3.97	1,45E-03	2,25E-02	<i>ponzr5</i>	
ENSDARG00000060323	-0.71	1,46E-03	2,28E-02	<i>exoc5</i>	Exocyst complex component 5 [Uniprot/SPTREMBL Acc. B0BLV0]
ENSDARG00000071699	-0.79	1,47E-03	2,28E-02	<i>ids</i>	Sulfatase domain-containing protein [Uniprot/SPTREMBL Acc. F1R4Q5]
ENSDARG000000096579	-6.61	1,49E-03	2,30E-02	<i>si:dkey-9c18.3</i>	
ENSDARG00000063634	-0.84	1,50E-03	2,31E-02	<i>hpse</i>	Heparanase [Uniprot/SPTREMBL Acc. Q1LVP9]
ENSDARG000000014527	-0.81	1,50E-03	2,31E-02	<i>pdka3a</i>	Protein-serine/threonine kinase [Uniprot/SPTREMBL Acc. A0A2R8QMA3]; Protein-serine/threonine kinase [Uniprot/SPTREMBL Acc. A0A2R8QMA3];
ENSDARG00000002391	-1.67	1,52E-03	2,33E-02	<i>tlcd1</i>	TLC domain-containing protein [Uniprot/SPTREMBL Acc. F1QSW8]
ENSDARG00000038569	-1.35	1,51E-03	2,33E-02	<i>fzd8b</i>	Frizzled class receptor 8b [Uniprot/SPTREMBL Acc. B0S6S2]
ENSDARG000000099361	-3.15	1,55E-03	2,37E-02	<i>si:dkey-30e9.6</i>	
ENSDARG000000055245	-1.07	1,56E-03	2,37E-02	<i>zmp:0000000650</i>	Zmp:0000000650 [Uniprot/SPTREMBL Acc. F1QB39]
ENSDARG000000018145	-1.33	1,57E-03	2,39E-02	<i>mid1ip1l</i>	Mid1-interacting protein 1-like [Uniprot/SPTREMBL Acc. F1QZL7]
ENSDARG000000097521	-1.08	1,59E-03	2,42E-02	<i>si:dkey-111k8.5</i>	Si:dkey-111k8.5 [Uniprot/SPTREMBL Acc. X1WE32]
ENSDARG000000052290	-0.80	1,60E-03	2,42E-02	<i>rab33ba</i>	RAB33B, member RAS oncogene family a [Uniprot/SPTREMBL Acc. Q498P3]
ENSDARG00000070074	-1.32	1,60E-03	2,42E-02	<i>lrp8</i>	Low density lipoprotein receptor-related protein 8, apolipoprotein e receptor [Uniprot/SPTREMBL Acc. E7EZD4]; Apolipoprotein E
ENSDARG000000096311	-6.90	1,61E-03	2,44E-02	<i>si:dkey-211g8.8</i>	
ENSDARG000000054746	-0.85	1,62E-03	2,44E-02	<i>uggt1</i>	UDP-glucose glycoprotein glucosyltransferase 1 [Uniprot/SPTREMBL Acc. A0A2R8QL71]; UDP-glucose glycoprotein
ENSDARG00000079071	-1.44	1,63E-03	2,46E-02	<i>jam2b</i>	Junctional adhesion molecule 2b [Uniprot/SPTREMBL Acc. B0V233]
ENSDARG000000086691	-1.04	1,68E-03	2,53E-02	<i>dnajc12</i>	
ENSDARG000000105263	-7.93	1,69E-03	2,54E-02	<i>cc136.1</i>	C-C motif chemokine [Uniprot/SPTREMBL Acc. A0A0G2L2I4]
ENSDARG000000067806	-1.14	1,70E-03	2,55E-02	<i>zgc:158432</i>	Zgc:158432 [Uniprot/SPTREMBL Acc. B8JM92]
ENSDARG000000098647	-1.40	1,70E-03	2,55E-02	<i>ankdd1a</i>	Ankyrin repeat and death domain-containing 1A [Uniprot/SPTREMBL Acc. A0A0R4IJP1]; Death domain-containing protein
ENSDARG00000010423	-1.18	1,70E-03	2,55E-02	<i>npsn</i>	Metalloendopeptidase [Uniprot/SPTREMBL Acc. E9QE40]; Metalloendopeptidase [Uniprot/SPTREMBL Acc. F1REP3];
ENSDARG000000071082	-1.09	1,70E-03	2,55E-02	<i>p4ha1b</i>	Procollagen-proline 4-dioxygenase [Uniprot/SPTREMBL Acc. A0A2R8RN68]; Procollagen-proline 4-dioxygenase
ENSDARG00000026811	-1.02	1,73E-03	2,58E-02	<i>extl3</i>	Exostosins (Multiple)-like 3 [Uniprot/SPTREMBL Acc. Q5U7D2]
ENSDARG00000057173	-5.19	1,75E-03	2,60E-02	<i>iftt8</i>	TPR_REGION domain-containing protein [Uniprot/SPTREMBL Acc. B8A535]
ENSDARG00000077855	-0.88	1,75E-03	2,60E-02	<i>znrf2a</i>	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. B8JKY5]; RING-type domain-containing protein
ENSDARG000000088084	-2.19	1,76E-03	2,60E-02	<i>si:dkey-66i24.8</i>	Si:dkey-66i24.8 [Uniprot/SPTREMBL Acc. F1QUM9]
ENSDARG000000096121	-1.79	1,77E-03	2,62E-02	<i>CR381686.4</i>	

ENSDARG00000039266	-0.95	1.78E-03	2.63E-02	<i>rbm25a</i>	PWI domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q379]; PWI domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q379]; PWI domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q379]
ENSDARG00000068065	-1.18	1.79E-03	2.64E-02	<i>BX664721.2</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KV22]; Uncharacterized protein [Uniprot/SPTREMBL Acc. F1QHA7]
ENSDARG00000097215	-1.33	1.81E-03	2.67E-02	<i>si:dkey-172k15.3</i>	Si:dkey-172k15.3 [Uniprot/SPTREMBL Acc. A0A0R4IIX8]; Si:dkey-172k15.3 [Uniprot/SPTREMBL Acc. X1WE87]
ENSDARG000000103244	-1.16	1.81E-03	2.67E-02	<i>CABZ01081752.3</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KMQ4]
ENSDARG00000086529	-2.52	1.82E-03	2.68E-02	<i>si:dkey-90l23.2</i>	SUEL-type lectin domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8PYY8]; SUEL-type lectin domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8PYY8]
ENSDARG00000090267	-8.13	1.83E-03	2.68E-02	<i>CU062628.1</i>	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. E7FDP9]
ENSDARG000000103983	-1.09	1.83E-03	2.68E-02	<i>slc30a10</i>	Solute carrier family 30 member 10 [Uniprot/SPTREMBL Acc. A0A0R4IEQ2]
ENSDARG000000102101	-5.23	1.83E-03	2.69E-02	<i>si:ch73-174h16.5</i>	
ENSDARG00000036558	-1.31	1.86E-03	2.72E-02	<i>col18a1a</i>	LAM_G_DOMAIN domain-containing protein [Uniprot/SPTREMBL Acc. B0S8G3]; FZ domain-containing protein [Uniprot/SPTREMBL Acc. B0S8G3]
ENSDARG00000069189	-1.27	1.86E-03	2.73E-02	<i>si:dkey-242h9.3</i>	
ENSDARG00000088251	-3.48	1.87E-03	2.74E-02	<i>lgals17</i>	Galectin 17 [Uniprot/SPTREMBL Acc. E7EYP1]; Galectin 17 [Uniprot/SPTREMBL Acc. X1WDF9]; IgV domain-containing protein [Uniprot/SPTREMBL Acc. E7EYP1]
ENSDARG000000100150	-1.06	1.88E-03	2.74E-02	<i>FQ377903.1</i>	
ENSDARG00000099138	-1.30	1.89E-03	2.75E-02	<i>btr29</i>	Bloodthirsty-related gene family, member 29 [Uniprot/SPTREMBL Acc. A0A0R4IUF9]
ENSDARG00000061231	-0.79	1.89E-03	2.75E-02	<i>tinag1l</i>	SMB domain-containing protein [Uniprot/SPTREMBL Acc. Q1LUC6]
ENSDARG00000008030	-1.09	1.90E-03	2.77E-02	<i>myl9b</i>	Myosin, light chain 9b, regulatory [Uniprot/SPTREMBL Acc. Q6NVA6]
ENSDARG00000035718	-7.56	1.90E-03	2.77E-02	<i>cln6</i>	
ENSDARG000000016963	-2.04	1.90E-03	2.77E-02	<i>slc16a1a</i>	Monocarboxylate transporter 1 [Uniprot/SPTREMBL Acc. E7F7B3]
ENSDARG00000038968	-1.26	1.91E-03	2.77E-02	<i>ccr6b</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. X1WFC0]
ENSDARG00000075821	-1.46	1.93E-03	2.79E-02	<i>plxnb1a</i>	Sema domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IRZ9]; Plexin b1a [Uniprot/SPTREMBL Acc. E9QFZ9]; IPT/TIG [Uniprot/SPTREMBL Acc. A0A0R4IRZ9]
ENSDARG00000099945	-1.25	1.93E-03	2.79E-02	<i>CU467646.5</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KCQ2]
ENSDARG000000101389	-2.45	1.93E-03	2.79E-02	<i>zgc:174180</i>	Zgc:174180 [Uniprot/SPTREMBL Acc. A0A0R4ISD6]
ENSDARG00000076146	-2.31	1.93E-03	2.79E-02	<i>zgc:172075</i>	AIG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. F1QVS3]; AIG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. F1QVS3]
ENSDARG00000089800	-1.88	1.98E-03	2.85E-02	<i>prf7</i>	Proline-rich 7 (synaptic) [Uniprot/SPTREMBL Acc. E7EXZ8]
ENSDARG00000060280	-0.73	1.98E-03	2.86E-02	<i>pde9a</i>	Phosphodiesterase [Uniprot/SPTREMBL Acc. A0A0R4IE93]; Phosphodiesterase [Uniprot/SPTREMBL Acc. F1R112]
ENSDARG00000099583	-4.68	2.00E-03	2.88E-02	<i>CABZ01034082.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KV03]
ENSDARG000000101769	-1.74	2.05E-03	2.95E-02	<i>cysltr3</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0J9YJL3]
ENSDARG00000041429	-0.78	2.07E-03	2.97E-02	<i>ints14</i>	Integrator complex subunit 14 [Uniprot/SPTREMBL Acc. Q1LWK5]; Integrator complex subunit 14 [Uniprot/SPTREMBL Acc. Q1LWK5]
ENSDARG00000029069	-5.23	2.12E-03	3.03E-02	<i>tnni2a.4</i>	Troponin I type 2a (skeletal, fast), tandem duplicate 4 [Uniprot/SPTREMBL Acc. A0A2R8RX09]; Fast muscle troponin I [Uniprot/SPTREMBL Acc. A0A2R8RX09]
ENSDARG00000020611	-0.86	2.12E-03	3.03E-02	<i>C18H19orf47</i>	DUF5577 domain-containing protein [Uniprot/SPTREMBL Acc. Q1LXX6]; DUF5577 domain-containing protein [Uniprot/SPTREMBL Acc. Q1LXX6]
ENSDARG00000058522	-0.88	2.12E-03	3.03E-02	<i>shq1</i>	Protein SHQ1 homolog [Uniprot/SPTREMBL Acc. F1QC67]
ENSDARG00000039034	-0.86	2.14E-03	3.05E-02	<i>marcks1a</i>	MARCKS-related protein 1-A [Uniprot/SWISSPROT Acc. Q6PD99]
ENSDARG00000062598	-0.71	2.14E-03	3.05E-02	<i>ltc4s</i>	Leukotriene C4 synthase [Uniprot/SPTREMBL Acc. E7F8E5]
ENSDARG00000001463	-1.78	2.15E-03	3.05E-02	<i>tdh2</i>	Epimerase domain-containing protein [Uniprot/SPTREMBL Acc. F1R7L0]
ENSDARG000000116982	-1.55	2.15E-03	3.06E-02	<i>FO904997.1</i>	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8PZM9]
ENSDARG000000103081	-2.56	2.17E-03	3.07E-02	<i>CU182107.1</i>	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. E7F1R2]
ENSDARG00000054978	-1.47	2.17E-03	3.08E-02	<i>kifc3</i>	Kinesin-like protein [Uniprot/SPTREMBL Acc. A0A2R8QHL6]; Kinesin-like protein [Uniprot/SPTREMBL Acc. F1Q8U4]; Kinesin-like protein [Uniprot/SPTREMBL Acc. A0A2R8QHL6]
ENSDARG00000040492	-0.83	2.19E-03	3.10E-02	<i>mthfd1b</i>	C-1-tetrahydrofolate synthase, cytoplasmic [Uniprot/SPTREMBL Acc. F1QXP5]; THF_DHG_CYH domain-containing protein [Uniprot/SPTREMBL Acc. F1QXP5]
ENSDARG00000002959	-1.54	2.23E-03	3.14E-02	<i>gpr34b</i>	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. B0S6P9]
ENSDARG00000099336	-1.26	2.23E-03	3.14E-02	<i>mvda</i>	Diphosphomevalonate decarboxylase [Uniprot/SPTREMBL Acc. A0A0R4ICC6]; Diphosphomevalonate decarboxylase [Uniprot/SPTREMBL Acc. A0A0R4ICC6]
ENSDARG000000111840	-0.75	2.23E-03	3.14E-02	<i>cxcl18a.1</i>	SCY domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8Q8Y8]
ENSDARG000000087331	-0.98	2.25E-03	3.15E-02	<i>si:dkey-77f5.3</i>	
ENSDARG00000070780	-4.37	2.25E-03	3.16E-02	<i>rln3a</i>	IGF domain-containing protein [Uniprot/SPTREMBL Acc. Q2VT45]
ENSDARG00000058678	-1.43	2.28E-03	3.19E-02	<i>aqp10b</i>	Aquaporin 10b [Uniprot/SPTREMBL Acc. F1QZV4]; Aquaporin 10b [Uniprot/SPTREMBL Acc. Q1L8T0]
ENSDARG00000005772	-0.92	2.29E-03	3.20E-02	<i>tsr2</i>	Pre-rRNA-processing protein TSR2 homolog [Uniprot/SPTREMBL Acc. A0A0R4IPZ4]; Pre-rRNA-processing protein TSR2 homolog [Uniprot/SPTREMBL Acc. A0A0R4IPZ4]
ENSDARG00000040890	-1.19	2.32E-03	3.24E-02	<i>fdps</i>	Farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase) [Uniprot/SPTREMBL Acc. A0A2R8QXP2]; Farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase) [Uniprot/SPTREMBL Acc. A0A2R8QXP2]
ENSDARG00000010745	-0.68	2.32E-03	3.24E-02	<i>dnaa2b</i>	DnaJ heat shock protein family (Hsp40) member A2b [Uniprot/SPTREMBL Acc. A0A2R8QXP2]; DnaJ_C domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QXP2]
ENSDARG00000062562	-1.11	2.33E-03	3.24E-02	<i>egln2</i>	Fe2OG dioxygenase domain-containing protein [Uniprot/SPTREMBL Acc. E7F8S1]
ENSDARG00000099562	-2.52	2.35E-03	3.26E-02	<i>lygl2</i>	Lysozyme g [Uniprot/SPTREMBL Acc. A0A0R4IJK7]
ENSDARG00000005423	-0.97	2.35E-03	3.26E-02	<i>pgam1a</i>	Phosphoglycerate mutase [Uniprot/SPTREMBL Acc. Q7SZR4]
ENSDARG00000038682	-1.27	2.36E-03	3.27E-02	<i>zgc:171687</i>	Fibrinogen C-terminal domain-containing protein [Uniprot/SPTREMBL Acc. F1QZC5]

ENSDARG00000097728	-4.02	2.38E-03	3.28E-02	CR388132.1	Caspase 7, apoptosis-related cysteine peptidase [Uniprot/SPTREMBL Acc. U3JAP7]
ENSDARG000000100258	-4.12	2.41E-03	3.31E-02	si:dkeyp-104b3.2	Fatty acid hydroxylase domain-containing protein [Uniprot/SPTREMBL Acc. F1QFS0]
ENSDARG000000091836	-0.76	2.41E-03	3.31E-02	caspr7	Hyaluronan synthase 2 [Uniprot/SPTREMBL Acc. Q9DG41]
ENSDARG000000055876	-1.65	2.42E-03	3.32E-02	msmo1	STEAP family member 3, metalloredutase [Uniprot/SPTREMBL Acc. E7F9Y0]
ENSDARG000000036987	-4.79	2.42E-03	3.32E-02	has2	V-SNARE coiled-coil homology domain-containing protein [Uniprot/SPTREMBL Acc. Q6PB33]
ENSDARG000000075641	-5.02	2.43E-03	3.33E-02	steap3	Guanylate cyclase activator 1A [Uniprot/SPTREMBL Acc. A0A0R4IPJ4]; Guanylate cyclase activator 1A [Uniprot/SPTREMBL Acc. A0A0R4IQ52]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IQ52]; Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IQ52]; V-ral simian leukemia viral oncogene homolog Ba (ras-related) [Uniprot/SPTREMBL Acc. Q6DC92]
ENSDARG000000031283	-1.42	2.43E-03	3.33E-02	vamp1	Laminin, gamma 2 [Uniprot/SPTREMBL Acc. F1QIJ3]
ENSDARG000000101567	-2.54	2.44E-03	3.33E-02	guca1e	EXPERA domain-containing protein [Uniprot/SPTREMBL Acc. F1QDW6]
ENSDARG000000089477	-1.40	2.44E-03	3.33E-02	si:ch211-132g1.3	Protein kinase domain-containing protein [Uniprot/SPTREMBL Acc. F1QVT2]
ENSDARG000000040778	-0.87	2.44E-03	3.33E-02	ralba	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0G2L081]
ENSDARG000000068288	-3.57	2.45E-03	3.34E-02	lamc2	NACHT domain-containing protein [Uniprot/SPTREMBL Acc. B0S8F9]
ENSDARG000000040553	-0.97	2.47E-03	3.36E-02	tmem97	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6 [Uniprot/SWISSPROT Acc. Q6PFM0]
ENSDARG000000115887	-8.01	2.48E-03	3.37E-02	CABZ01021532.1	FXD domain-containing ion transport regulator [Uniprot/SPTREMBL Acc. A0A2R8QHD7]; FXD domain-containing ion transport
ENSDARG000000043770	-3.67	2.48E-03	3.37E-02	si:dkey-192d15.2	VLIG-type G domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IA28]
ENSDARG000000101356	-1.15	2.51E-03	3.40E-02	CABZ01044156.1	Si:dkey-188i13.11 [Uniprot/SPTREMBL Acc. B8A486]
ENSDARG000000090193	-0.92	2.51E-03	3.40E-02	si:ch73-286h23.4	Beta-carotene oxygenase 1 [Uniprot/SPTREMBL Acc. A0A0R4IH96]; Beta-carotene oxygenase 1 [Uniprot/SPTREMBL Acc. A0A0R4IH96];
ENSDARG000000102896	-0.94	2.57E-03	3.48E-02	jmjd6	CUE domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QBS0]; CUE domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QBS0];
ENSDARG000000099014	-0.90	2.59E-03	3.49E-02	fxyd1	PARP catalytic domain-containing protein [Uniprot/SPTREMBL Acc. F2WZ28]
ENSDARG000000102364	-2.78	2.60E-03	3.50E-02	si:dkey-202l22.6	Methyltransf_25 domain-containing protein [Uniprot/SPTREMBL Acc. F1R9J8]
ENSDARG000000092895	-1.01	2.65E-03	3.56E-02	si:dkey-188i13.11	Glypican 2 [Uniprot/SPTREMBL Acc. A0A0R4IL33]
ENSDARG000000104256	-0.95	2.66E-03	3.56E-02	bco1	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. F6P429]
ENSDARG000000054748	-1.13	2.69E-03	3.59E-02	cuedc1b	JAKMIP_CC3 domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QHJ2]; JAKMIP_CC3 domain-containing protein
ENSDARG000000098772	-2.49	2.71E-03	3.61E-02	gig2d	Suppressor of tumorigenicity 7 protein homolog [Uniprot/SPTREMBL Acc. F1R8L6]
ENSDARG000000079532	-1.52	2.73E-03	3.64E-02	zgc:194242	Bystin-like [Uniprot/SPTREMBL Acc. F1R7L3]
ENSDARG000000104217	-2.07	2.76E-03	3.67E-02	gpc2	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A0G2KNG9]
ENSDARG000000026417	-1.78	2.78E-03	3.69E-02	ccr12b.2	Gal_mutarotas_2 domain-containing protein [Uniprot/SPTREMBL Acc. E7F6D4]
ENSDARG000000100708	-1.89	2.79E-03	3.70E-02	jakmip3	Peptidase S1 domain-containing protein [Uniprot/SPTREMBL Acc. Q6DBS8]
ENSDARG000000039960	-1.15	2.79E-03	3.70E-02	st7	DNA-directed RNA polymerases I, II, and III subunit RPABC5 [Uniprot/SPTREMBL Acc. A5D6S6]
ENSDARG00000001057	-0.74	2.83E-03	3.75E-02	bysl	ST6 beta-galactosamide alpha-2,6-sialyltransferase 2a [Uniprot/SPTREMBL Acc. F1Q8R8]
ENSDARG000000104885	-2.61	2.86E-03	3.78E-02	CABZ01033178.1	Protein disulfide-isomerase [Uniprot/SPTREMBL Acc. F1QP99]
ENSDARG000000074556	-1.18	2.87E-03	3.79E-02	ganc	G_PROTEIN_RECEP_F1_2 domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4IZ37]
ENSDARG000000039579	-1.31	2.88E-03	3.80E-02	cfd	Ribonuclease/angiogenin inhibitor 1 [Uniprot/SPTREMBL Acc. E7F8B0]
ENSDARG000000090793	-1.16	2.90E-03	3.81E-02	si:ch211-207j7.2	Glyceraldehyde-3-phosphate dehydrogenase [Uniprot/SPTREMBL Acc. F1R3D3]
ENSDARG000000058349	-1.12	2.91E-03	3.83E-02	polr2l	Interleukin 13 [Uniprot/SPTREMBL Acc. B3IWZ9]
ENSDARG000000039335	-0.82	2.92E-03	3.83E-02	st6gal2a	AlG1-type G domain-containing protein [Uniprot/SPTREMBL Acc. F1QNL4]
ENSDARG00000014015	-0.72	2.92E-03	3.84E-02	pdia7	LIM zinc-binding domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QEF4]
ENSDARG000000088329	-2.32	2.93E-03	3.84E-02	si:ch211-132e22.4	Mitochondrial ribosomal protein L32 [Uniprot/SPTREMBL Acc. F1R044]
ENSDARG000000086631	-1.34	2.93E-03	3.84E-02	rnhl1	Uncharacterized protein [Uniprot/SPTREMBL Acc. A0A2R8RLX3]
ENSDARG000000039914	-1.14	2.93E-03	3.84E-02	gapdhs	Zgc:162634 [Uniprot/SPTREMBL Acc. E9QBM0]; Zgc:162634 [Uniprot/SPTREMBL Acc. F1R0X4]
ENSDARG000000077809	-2.31	2.95E-03	3.86E-02	il13	Dual specificity protein phosphatase 22-A [Uniprot/SWISSPROT Acc. Q1LWL2]
ENSDARG000000078093	-3.70	2.95E-03	3.86E-02	zgc:172065	LRAT domain-containing protein [Uniprot/SPTREMBL Acc. A0A0R4INS8]
ENSDARG000000112015	-0.77	2.97E-03	3.88E-02	CR381686.5	RING-type domain-containing protein [Uniprot/SPTREMBL Acc. B0S6S1]
ENSDARG000000060489	-0.72	2.98E-03	3.88E-02	mrpl32	P53-induced death domain protein 1 [Uniprot/SPTREMBL Acc. A0A2R8Q559]; P53-induced death domain protein 1
ENSDARG000000114678	-2.62	2.99E-03	3.91E-02	BX248410.4	
ENSDARG0000000045773	-0.83	3.02E-03	3.93E-02	PYURF	
ENSDARG000000014324	-0.83	3.03E-03	3.93E-02	sh2d5	
ENSDARG000000056396	-0.72	3.04E-03	3.94E-02	dusp22a	
ENSDARG000000093006	-2.33	3.08E-03	3.98E-02	rarres3	
ENSDARG0000000094131	-1.16	3.09E-03	3.99E-02	frt19	
ENSDARG000000074626	-0.75	3.10E-03	4.00E-02	pidd1	

ENSDARG00000091723	-3.40	3.10E-03	4.00E-02	si:ch211-202f3.4	Calpain catalytic domain-containing protein [Uniprot/SPTREMBL Acc. E7F0H3]
ENSDARG00000093997	-1.45	3.13E-03	4.03E-02	si:dkey-9i23.15	Si:dkey-9i23.15 [Uniprot/SPTREMBL Acc. B8A638]
ENSDARG00000079216	-1.39	3.13E-03	4.03E-02	dpep2	Dipeptidase [Uniprot/SPTREMBL Acc. E7FBC7]
ENSDARG00000012395	-4.10	3.15E-03	4.04E-02	mmp13a	Collagenase 3 [Uniprot/SPTREMBL Acc. F1QCX8]
ENSDARG00000107506	-3.73	3.16E-03	4.04E-02	CR356227.1	
ENSDARG00000053068	-1.88	3.15E-03	4.04E-02	cyp8b1	Cytochrome P450, family 8, subfamily B, polypeptide 1 [Uniprot/SPTREMBL Acc. F1QIJ9]
ENSDARG00000008799	-1.19	3.16E-03	4.04E-02	BX664625.3	
ENSDARG00000089828	-0.79	3.17E-03	4.05E-02	si:rp71-19m20.1	
ENSDARG00000105325	-1.09	3.23E-03	4.11E-02	CABZ01044764.1	
ENSDARG00000042293	-0.97	3.25E-03	4.13E-02	ca4b	Carbonic anhydrase [Uniprot/SPTREMBL Acc. F1QG32]
ENSDARG00000079252	-1.32	3.32E-03	4.19E-02	fam117ab	Family with sequence similarity 117 member Ab [Uniprot/SPTREMBL Acc. F1QFC6]
ENSDARG00000101637	-1.07	3.31E-03	4.19E-02	ccnd1	G1/S-specific cyclin-D1 [Uniprot/SWISSPROT Acc. Q90459]
ENSDARG00000045733	-0.77	3.35E-03	4.22E-02	ciapin1	Anamorsin [Uniprot/SPTREMBL Acc. B2GNT9]; Anamorsin [Uniprot/SPTREMBL Acc. G8JL18]; Anamorsin [Uniprot/SWISSPROT]
ENSDARG00000076182	-1.56	3.37E-03	4.24E-02	stat1b	Signal transducer and activator of transcription [Uniprot/SPTREMBL Acc. B0S789]; STAT_alpha domain-containing protein
ENSDARG00000075718	-1.86	3.40E-03	4.28E-02	rpz5	
ENSDARG00000024728	-0.95	3.42E-03	4.30E-02	hdhd2	Haloacid dehalogenase-like hydrolase domain-containing protein 2 [Uniprot/SPTREMBL Acc. F1QJW5]
ENSDARG00000100280	-0.87	3.42E-03	4.30E-02	znfx1	Zinc finger, NFX1-type-containing 1 [Uniprot/SPTREMBL Acc. A0A0R4IK85]; Zinc finger, NFX1-type-containing 1
ENSDARG000000041911	-0.86	3.42E-03	4.30E-02	si:ch211-245h14.1	
ENSDARG00000087625	-1.07	3.43E-03	4.31E-02	si:ch211-173a9.6	
ENSDARG00000062025	-1.07	3.44E-03	4.32E-02	cpox	Coproporphyrinogen oxidase [Uniprot/SPTREMBL Acc. Q1LY08]
ENSDARG00000070502	-1.75	3.45E-03	4.33E-02	si:dkey-31e10.5	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. R4GE18]
ENSDARG00000117378	-1.40	3.46E-03	4.34E-02	CABZ01078989.1	
ENSDARG00000074754	-2.65	3.48E-03	4.35E-02	si:dkey-188i13.9	Si:dkey-188i13.9 [Uniprot/SPTREMBL Acc. B8A488]; Si:dkey-188i13.9 [Uniprot/SPTREMBL Acc. B8A489]; Si:dkey-188i13.9
ENSDARG00000068409	-1.61	3.48E-03	4.35E-02	vglil4l	Vestigial-like 4 like [Uniprot/SPTREMBL Acc. Q1RLU0]
ENSDARG000000057365	-1.53	3.48E-03	4.35E-02	elovl8b	Elongation of very long chain fatty acids protein [Uniprot/SPTREMBL Acc. A0A1B0GXK5]; Elongation of very long chain fatty acids
ENSDARG00000004952	-4.00	3.49E-03	4.35E-02	rsad2	Elp3 domain-containing protein [Uniprot/SPTREMBL Acc. B2GP21]; Radical S-adenosyl methionine domain-containing protein 2
ENSDARG00000115371	-4.13	3.53E-03	4.40E-02	AL928685.4	Ig-like domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QLZ9]
ENSDARG000000004953	-6.71	3.59E-03	4.45E-02	mxv	Interferon-induced GTP-binding protein MxB [Uniprot/SPTREMBL Acc. B8JKI4]; Interferon-induced GTP-binding protein MxB
ENSDARG00000044642	-1.26	3.61E-03	4.48E-02	sc5d	Fatty acid hydroxylase domain-containing protein [Uniprot/SPTREMBL Acc. F1QG97]
ENSDARG00000042370	-1.53	3.64E-03	4.50E-02	ptafr	Platelet-activating factor receptor [Uniprot/SPTREMBL Acc. E7EZR6]
ENSDARG00000077983	-0.93	3.66E-03	4.52E-02	GPR89B	Si:ch73-390b10.2 [Uniprot/SPTREMBL Acc. E7FB29]
ENSDARG000000098153	-0.82	3.68E-03	4.53E-02	lhfl2b	LHFPL tetraspan subfamily member 2b [Uniprot/SPTREMBL Acc. Q568B9]
ENSDARG00000031890	-0.88	3.71E-03	4.57E-02	tcp11l1	T-complex 11 (Mouse)-like 1 [Uniprot/SPTREMBL Acc. Q58EK1]
ENSDARG00000068088	-1.88	3.72E-03	4.58E-02	tcnba	DUF4430 domain-containing protein [Uniprot/SPTREMBL Acc. A2BFT0]
ENSDARG00000041572	-0.79	3.73E-03	4.59E-02	zfpm1	Zinc finger protein ZFPM1 [Uniprot/SPTREMBL Acc. A0A2R8RJU0]; Zinc finger protein ZFPM1 [Uniprot/SPTREMBL Acc.
ENSDARG00000100904	-1.00	3.75E-03	4.61E-02	CABZ01109021.1	Tetraspanin [Uniprot/SPTREMBL Acc. A0A0R4IG66]
ENSDARG00000011934	-0.72	3.75E-03	4.61E-02	gyg1a	Glycogenin 1 [Uniprot/SPTREMBL Acc. Q6NV37]
ENSDARG00000043185	-0.77	3.76E-03	4.62E-02	mlt1a	AHD domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QDF9]; AHD domain-containing protein [Uniprot/SPTREMBL Acc.
ENSDARG00000013492	-0.97	3.77E-03	4.62E-02	zbtb34	Zinc finger and BTB domain-containing 34 [Uniprot/SPTREMBL Acc. BOV1A3]
ENSDARG00000046092	-2.37	3.88E-03	4.73E-02	si:ch211-283g2.3	C-type lectin domain-containing protein [Uniprot/SPTREMBL Acc. A2CEH8]
ENSDARG00000070371	-0.89	3.94E-03	4.78E-02	kat7a	K(lysine) acetyltransferase 7a [Uniprot/SPTREMBL Acc. A0A0J9YIZ8]; Histone acetyltransferase [Uniprot/SPTREMBL Acc.
ENSDARG00000076290	-0.85	3.94E-03	4.78E-02	calr	Calreticulin [Uniprot/SPTREMBL Acc. F1Q8W8]
ENSDARG000000059746	-0.96	3.95E-03	4.79E-02	plod1a	Procollagen-lysine 5-dioxygenase [Uniprot/SPTREMBL Acc. A8WIN7]; Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1a
ENSDARG00000063612	-0.79	3.98E-03	4.82E-02	antxr1c	VWFA domain-containing protein [Uniprot/SPTREMBL Acc. A0A2R8QR50]; VWFA domain-containing protein [Uniprot/SPTREMBL
ENSDARG00000117694	-1.50	3.99E-03	4.83E-02	BX510301.3	
ENSDARG000000089720	-2.22	4.00E-03	4.84E-02	CABZ01077218.1	Uncharacterized protein [Uniprot/SPTREMBL Acc. E7FAI0]
ENSDARG00000086259	-1.56	4.02E-03	4.84E-02	CU469420.1	
ENSDARG00000056640	-1.01	4.02E-03	4.84E-02	rpia	Ribose-5-phosphate isomerase [Uniprot/SPTREMBL Acc. B8JI15]
ENSDARG00000045999	-3.01	4.04E-03	4.86E-02	saa	Serum amyloid A protein [Uniprot/SPTREMBL Acc. Q642J9]
ENSDARG00000040192	-0.72	4.06E-03	4.88E-02	nenf	Cytochrome b5 heme-binding domain-containing protein [Uniprot/SPTREMBL Acc. F1R378]; Neudesin neurotrophic factor

ENSDARG00000077069	-1,15	4,08E-03	4,90E-02	<i>srgn</i>	
ENSDARG00000069168	-1,02	4,09E-03	4,91E-02	<i>si:dkey-73n10.1</i>	
ENSDARG00000000666	-0,71	4,10E-03	4,91E-02	<i>creg2</i>	Cellular repressor of E1A-stimulated genes 2 [Uniprot/SPTREMBL Acc. B0R013]
ENSDARG00000060126	-1,46	4,14E-03	4,96E-02	<i>acyp1</i>	Acylphosphatase 1, erythrocyte (common) type [Uniprot/SPTREMBL Acc. F8W530]
ENSDARG00000002219	-1,25	4,16E-03	4,98E-02	<i>si:dkey-103j14.5</i>	Asparaginase-like protein 1 [Uniprot/SPTREMBL Acc. F1R0Q9]
ENSDARG00000104961	-1,00	4,18E-03	4,99E-02	<i>ghrhra</i>	Growth hormone-releasing hormone receptor a [Uniprot/SPTREMBL Acc. A0A0R4IKR9]