

## Supplemental Table S1: Periderm-enriched profile

\*\*\* Filters are expression in GFP+ or GFP- is greater than 300, and expression in GFP+ is at least 3 fold higher than expression in GFP-

\*\*\*Items in BOLD match the GO term, " regulation of transcription, DNA-dependent"

ENSEMBL_TRANSCRIPT_Name		Expression in GFP+ cells	Expression in GFP- cells
ENSDART00000008373	FOS-like antigen 1	23,568	7,574
ENSDART00000052521	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	18,604	358
ENSDART00000048293	interferon regulatory factor 11	15,287	3,778
ENSDART00000059435	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)	9,394	2,575
ENSDART00000025153	hypothetical protein LOC100151105; GATA-binding protein 3	6,539	1,286
ENSDART00000110297	Kruppel like factor 4 (Klf4)	3,706	78
ENSDART00000008176	ventral homeobox	2,325	716
ENSDART00000058036	empty spiracles homeobox 2	1,708	524
ENSDART00000059976	chicken ovalbumin upstream promoter transcription factor 5; nuclear receptor subfamily 2, group F, mem	1,444	452
ENSDART00000087250	CREB binding protein a	1,358	448
ENSDART00000065137	tumor protein p63	1,241	294
ENSDART00000000160	thyroid hormone receptor alpha b; thyroid hormone receptor alpha a	1,205	245
ENSDART00000028618	MAD homolog 9 (Drosophila)	1,152	145
ENSDART00000008920	zgc:63565	1,132	168
ENSDART00000076035	serum response factor	1,070	271
ENSDART00000082425	GATA-binding protein 2a	973	303
ENSDART00000019059	si:ch211-260g14.3	920	82
ENSDART00000040769	chicken ovalbumin upstream promoter transcription factor 4; nuclear receptor subfamily 2, group F, mem	898	210
ENSDART00000049887	v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)	872	73
ENSDART00000100120	SMAD family member 6a	845	40
ENSDART00000082475	nuclear receptor subfamily 1, group D, member 4b	793	215
ENSDART00000079644	tumor protein p73	769	194
ENSDART00000064274	hypothetical LOC100001075; zgc:172075	759	32
ENSDART00000013563	activating transcription factor 7a	753	131
ENSDART00000033362	si:dkeyp-66g8.1	709	180
ENSDART00000110621	nuclear receptor coactivator 3	707	182
ENSDART00000030773	forkhead box O3A	697	168
ENSDART00000010813	forkhead box A3	665	124
ENSDART00000012116	T-cell leukemia, homeobox 2	664	128
ENSDART00000052570	paired-like homeodomain transcription factor 2	567	174
ENSDART000000114762	zgc:193933	540	104
ENSDART00000059638	signal transducer and activator of transcription 1b	536	43
ENSDART00000099134	myocyte enhancer factor 2ca	526	146
ENSDART00000077004	paired box gene 2a; paired box gene 5	519	128
ENSDART00000013148	POU domain gene 50	516	169
ENSDART00000090235	zgc:136878	512	111
ENSDART00000064616	neural retina leucine zipper	496	132
ENSDART00000105394	runt-related transcription factor 2a	474	107
ENSDART00000102070	zgc:153914; similar to Cyclic AMP-dependent transcription factor ATF-6 beta (Activating transcription fac	473	125
ENSDART00000088876	AT-rich sequence binding protein 2	469	144
ENSDART00000012658	ets variant gene 1	465	72
ENSDART00000045374	MAD homolog 3a (Drosophila)	462	143
ENSDART00000077721	interferon regulatory factor 4b	460	73
ENSDART00000078064	sine oculis homeobox homolog 9	452	135
ENSDART00000098259	aryl hydrocarbon receptor nuclear translocator-like 1b	452	149
ENSDART00000049339	SRY-box containing gene 21a	450	118
ENSDART00000075936	paired box gene 9	447	115
ENSDART00000008816	orthodenticle homolog 2	435	123
ENSDART00000020616	zgc:194189	434	138
ENSDART00000026567	forkhead box N1	404	103
ENSDART00000044397	si:dkey-260n20.1	401	89
ENSDART00000013642	zgc:85969	391	82
ENSDART00000029939	regulatory factor X, 2 (influences HLA class II expression)	380	81
ENSDART00000011597	nuclear receptor subfamily 2, group C, member 2	374	51
ENSDART00000097650	spleen focus forming virus (SFFV) proviral integration oncogene spi1 like; hypothetical LOC792271	369	121
ENSDART00000061122	si:dkeyp-93d12.2	369	73
ENSDART00000060861	forkhead box P2	347	116
ENSDART00000052101	zgc:91944	345	80
ENSDART00000024898	transcription factor AP-2 beta	344	54
ENSDART00000021159	LIM homeobox 1b	344	99
ENSDART00000009151	single-minded homolog 2 (Drosophila)	342	82
ENSDART00000004751	pre-B-cell leukemia transcription factor 2	336	83
ENSDART00000082146	forkhead box K2	332	79
ENSDART00000042194	trh1 protein	330	80
ENSDART00000017456	ventral expressed homeobox	322	70
ENSDART00000030646	sine oculis-related homeobox 6a	318	104
ENSDART00000080693	LIM homeobox 5	318	97
ENSDART00000098022	androgen receptor	314	74
ENSDART00000091694	si:dkeyp-27e10.3	309	94
ENSDART00000099735	zgc:136639	306	68
ENSDART00000080461	homeo box A1a	305	82
ENSDART00000108802	zgc:110712 Novel keratin protein	49,791	9,912
ENSDART00000113801	zgc:193505	47,987	2,252
ENSDART000000063775	zgc:153665	46,312	1,786
ENSDART00000027701	type I cytokeratin; zgc:109868; si:dkeyp-113d7.4	45,037	3,692
ENSDART00000105036	keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer	44,044	12,026
ENSDART00000112399	zgc:175088	42,524	7,997
ENSDART000000081327	keratin 5	41,928	9,124
ENSDART00000053545	zgc:153284	41,895	1,484
ENSDART00000077352	similar to PLAC8-like protein 1	40,866	685
ENSDART00000013798	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha a	38,410	1,272
ENSDART00000077880	ictacalcin 2	37,692	161
ENSDART00000066977	BCL2-interacting killer (apoptosis-inducing)	37,509	2,100
ENSDART00000018837	glutathione S-transferase pi	36,831	7,350
ENSDART00000081039	similar to es1 protein	36,274	2,632
ENSDART00000019004	Rho GDP dissociation inhibitor (GDI) gamma	35,879	10,601
ENSDART00000081527	zgc:110788	34,548	736
ENSDART00000102275	zgc:153258	32,615	1,437
ENSDART00000046945	zgc:123068	32,095	313
ENSDART00000011471	zgc:101565	31,837	988

## Periderm-enriched profile

ENSDART00000105004	keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer	30,910	856
ENSDART0000011937	ENSDARG0000073868	29,233	5,517
ENSDART00000085763	zgc:165571	27,911	843
ENSDART00000093152	zgc:154041	27,253	1,471
ENSDART00000073726	caveolin 2	26,061	1,394
ENSDART00000100162	wu:fc83c01	25,869	3,311
ENSDART00000006947	annexin A1c	25,709	5,472
ENSDART00000075785	zgc:110333; zgc:173444	24,899	3,294
ENSDART00000074285	synaptogyrin 2a	23,677	4,302
ENSDART00000028960	zgc:112340	23,054	7,580
ENSDART00000099370	HIU hydrolase	22,820	322
ENSDART00000100818	hypothetical LOC798921	22,803	115
ENSDART00000115086	similar to interleukin 16	22,454	271
ENSDART00000025691	zgc:91835	22,404	952
ENSDART00000017569	tumor necrosis factor b (TNF superfamily, member 2)	22,025	1,018
ENSDART00000056047	similar to ADP-Ribosylation Factor related family member (arf-3); zgc:110286; hypothetical LOC791833	21,750	2,361
ENSDART00000082922	zgc:158868	21,666	94
ENSDART00000114811	novel protein similar to vertebrate Rho guanine exchange factor (GEF) 16 (ARHGEF16)	21,451	1,845
ENSDART00000100473	si:rp71-61h23.4	20,911	5,471
ENSDART00000082000	ENSDARG00000059002	20,430	351
ENSDART00000083520	si:ch73-52e5.1	20,159	3,593
ENSDART00000013480	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1a	19,971	4,744
ENSDART00000103340	S100 calcium binding protein V1	19,946	551
ENSDART00000101301	hypothetical LOC563037; transmembrane protease, serine 4a	19,710	2,331
ENSDART00000063320	claudin e	19,683	912
ENSDART00000112783	transmembrane protein 45B	19,451	872
ENSDART00000026067	similar to Sperm antigen with calponin homology and coiled-coil domains 1; CDKN1A interacting zinc finger protein 1	19,422	5,205
ENSDART00000004679	ictacalcin	18,784	277
ENSDART00000084334	prostaglandin I2 (prostacyclin) synthase like	18,436	190
ENSDART00000102263	ENSDARG0000045986	18,031	1,792
ENSDART00000014034	annexin A1b	17,923	238
ENSDART00000111460	si:ch211-229n2.7	17,462	82
ENSDART00000076815	zgc:92925	17,222	894
ENSDART00000079806	stromal membrane-associated protein 1	17,124	4,235
ENSDART00000099721	zgc:153310	16,928	5,198
ENSDART00000032603	zgc:103456	16,878	929
ENSDART00000087910	suppression of tumorigenicity 14 (colon carcinoma) b	16,739	297
ENSDART00000081646	glutaredoxin (thioltransferase)	16,703	4,749
ENSDART00000038401	hypothetical protein LOC553515	16,392	787
ENSDART00000092690	zgc:158371; hypothetical LOC572167	15,839	2,048
ENSDART00000081636	chromatin modifying protein 1A	15,668	4,035
ENSDART00000063325	hypothetical LOC791933; claudin f	15,302	1,052
ENSDART00000003385	anoctamin 1, calcium activated chloride channel	15,278	1,955
ENSDART00000058612	PYD and CARD domain containing	15,091	1,103
ENSDART00000075223	cytochrome c oxidase, subunit VIIa 2	15,071	3,590
ENSDART00000100156	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	14,950	4,490
ENSDART00000114563	transmembrane protein 129	14,857	334
ENSDART00000066904	zgc:73329	14,755	4,379
ENSDART00000035259	microsomal glutathione S-transferase 1	14,754	4,489
ENSDART00000115371	zgc:173552; similar to Mid1ip1 protein; hypothetical LOC559765; zgc:158701; zgc:158629; similar to His3:CG31613	14,668	4,843
ENSDART00000108590	sc:d173	14,644	535
ENSDART00000035850	im:7158730; similar to LOC798527 protein	14,321	449
ENSDART00000113155	LIM domain and actin binding 1	14,197	3,020
ENSDART00000082503	zgc:113390	14,029	748
ENSDART00000102681	nucleoside phosphorylase	14,025	4,653
ENSDART00000035274	hypothetical LOC566487; globoside alpha-1,3-N-acetylgalactosaminyltransferase 1, like 4	14,017	807
ENSDART00000089856	hypothetical protein LOC100151319; tyrosine kinase, non-receptor, 2	13,928	1,798
ENSDART00000099859	similar to Mid1ip1 protein; zgc:173545; zgc:165551; zgc:163047; similar to histone cluster 2, H2ab; hypothetical LOC	13,357	3,346
ENSDART00000038228	zgc:101676; hypothetical protein LOC100150494	13,316	2,740
ENSDART00000081604	adiponectin receptor 2	13,242	1,667
ENSDART00000081216	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1b	12,866	1,482
ENSDART00000081440	interleukin 11b	12,740	821
ENSDART00000047552	si:dkey-246k9.1; zgc:101107	12,637	577
ENSDART00000055241	periplakin	12,433	309
ENSDART00000010169	si:ch211-215m21.17	12,217	1,796
ENSDART00000023985	zgc:153952	12,174	1,042
ENSDART00000056790	zgc:110256	12,077	3,825
ENSDART00000100135	hypothetical protein LOC100001903	11,977	3,339
ENSDART00000103265	zgc:158773	11,970	735
ENSDART00000067534	Hrc protein	11,950	369
ENSDART00000079373	similar to interleukin 8	11,851	42
ENSDART00000108497	zgc:173552; similar to Mid1ip1 protein; hypothetical LOC559765; zgc:158701; zgc:158629; similar to His3:CG31613	11,829	3,829
ENSDART00000037341	zgc:136817	11,743	1,424
ENSDART00000009196	zgc:63562	11,641	3,463
ENSDART00000015240	calpain, small subunit 1 a	11,610	2,613
ENSDART00000064512	zgc:110283	11,521	2,232
ENSDART00000103016	zgc:173552; similar to Mid1ip1 protein; hypothetical LOC559765; zgc:158701; zgc:158629; similar to His3:CG31613	11,476	2,570
ENSDART00000050988	glucosaminyl (N-acetyl) transferase 4, core 2; similar to Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetyl	11,395	1,580
ENSDART00000004964	NAD(P)H dehydrogenase, quinone 1	11,383	1,479
ENSDART00000113787	ENSDARG00000079101; ENSDARG00000078352	11,314	3,175
ENSDART00000113216	ENSDARG00000076395	11,207	2,487
ENSDART00000041385	zgc:163061	11,035	2,440
ENSDART00000105315	similar to 11-beta-hydroxysteroid dehydrogenase type 3; hydroxysteroid (11-beta) dehydrogenase 3	10,937	1,253
ENSDART00000109704	zgc:173552; similar to Mid1ip1 protein; hypothetical LOC559765; zgc:158701; zgc:158629; similar to His3:CG31613	10,794	3,470
ENSDART00000102300	coronin, actin binding protein, 2A	10,688	3,189
ENSDART00000048632	sulfotransferase family 2, cytosolic sulfotransferase 1	10,530	3,127
ENSDART00000073404	similar to Mid1ip1 protein; zgc:173545; zgc:165551; zgc:163047; similar to histone cluster 2, H2ab; hypothetical LOC	10,443	2,903
ENSDART00000036597	pleckstrin homology domain containing, family F (with FYVE domain) member 1	10,425	85
ENSDART00000103293	zgc:114172	10,345	2,966
ENSDART00000097966	SH3-domain GRB2-like 1a	10,228	723
ENSDART00000014103	hypothetical LOC791786; zgc:112148	9,991	2,890
ENSDART00000014058	zgc:100829	9,890	1,027
ENSDART00000098246	si:dkey-7b17.2	9,804	1,213
ENSDART00000056466	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta 1	9,611	1,513
ENSDART00000075299	zgc:153911	9,490	963
ENSDART00000105095	zgc:92231	9,397	3,099
ENSDART00000097814	similar to Mid1ip1 protein; zgc:110434; zgc:173652	9,274	1,875

Periderm-enriched profile

ENSDART00000018025	guanine nucleotide binding protein (G protein), alpha 14	9,252	753
ENSDART00000097417	similar to chromosome 9 open reading frame 19	9,237	90
ENSDART00000047362	si:dkey-221h15.1	9,148	2,421
ENSDART00000052907	aspartoacylase (aminocyclase) 3.1	8,999	1,212
ENSDART00000074290	zgc:194158	8,944	89
ENSDART00000058943	zgc:110182	8,912	2,610
ENSDART00000099887	YTH domain family, member 1	8,820	2,621
ENSDART00000111340	zgc:152936; zgc:174228; novel galactose binding lectin domain containing protein; si:dkey-240e12.6	8,765	1,176
ENSDART00000104499	si:ch211-93f2.1	8,664	970
ENSDART00000079448	regulator of G-protein signaling 2	8,499	1,464
ENSDART00000057641	tetraspanin 15	8,448	1,711
ENSDART00000033936	similar to sniffer CG10964-PA	8,301	55
ENSDART00000105694	zgc:64213	8,063	2,569
ENSDART00000098330	novel protein similar to vertebrate natriuretic peptide precursor C (NPPC)	7,966	1,450
ENSDART00000061821	si:dkey-65b13.8; hypothetical LOC792109	7,927	1,273
ENSDART00000059188	Kruppel-like factor 2b	7,893	157
ENSDART00000105666	zgc:171660; si:ch211-234p6.8	7,865	299
ENSDART00000080107	hypothetical protein LOC796266	7,816	46
ENSDART00000025451	zgc:55456	7,688	842
ENSDART00000075975	zgc:103738	7,630	547
ENSDART00000103006	similar to Mid1p1 protein; zgc:110434; zgc:173652	7,470	2,395
ENSDART00000103279	si:ch211-240j22.2	7,394	138
ENSDART00000010658	serpin peptidase inhibitor, clade B (ovalbumin), member 1, like 3	7,277	1,226
ENSDART00000055903	similar to Histone H4 replacement CG3379-PC; similar to predicted protein; similar to histone cluster 1, H2bc; similar	7,272	1,444
ENSDART00000088340	si:ch211-203f9.2	7,250	812
ENSDART00000113993	ENSDARG00000078072	7,088	66
ENSDART00000026559	CD9 antigen, like	7,024	385
ENSDART00000112994	novel protein similar to vertebrate hect domain and RLD 3 (HERC3)	7,023	863
ENSDART00000077107	similar to LOC563520 protein	7,017	507
ENSDART00000028225	monoamine oxidase	6,968	2,070
ENSDART00000114982	zgc:165523; similar to Proteinase-activated receptor 2 precursor (PAR-2) (Thrombin receptor-like 1) (Coagulation fact	6,951	603
ENSDART00000109256	si:ch73-13b6.3	6,913	1,665
ENSDART00000109962	ENSDARG00000076208	6,887	2,217
ENSDART00000103234	GDP-mannose 4,6-dehydratase	6,821	272
ENSDART00000098917	hypothetical LOC799662; hypothetical LOC561344	6,757	1,355
ENSDART00000017427	RNA-binding region (RNP1, RRM) containing 3	6,537	1,546
ENSDART00000019508	zgc:77740	6,486	637
ENSDART00000101217	zgc:136892	6,473	152
ENSDART00000105898	similar to rCG20339	6,437	2,136
ENSDART00000112287	wu:fc51b03	6,404	249
ENSDART00000000221	zgc:92533	6,392	1,714
ENSDART00000074561	lipopolysaccharide-induced TNF factor	6,199	1,092
ENSDART00000113587	NADH dehydrogenase (ubiquinone) flavoprotein 3	6,167	1,678
ENSDART00000058004	hypothetical protein LOC553395	6,146	1,285
ENSDART00000102735	ENSDARG00000070162	6,137	1,663
ENSDART00000080549	lysozyme	6,063	359
ENSDART00000113012	similar to Sequestosome 1; sequestosome 1	6,022	1,039
ENSDART00000098879	similar to ubiquitin carboxyl-terminal hydrolase CYLD	5,985	222
ENSDART00000110387	calpastatin	5,980	1,453
ENSDART00000058839	hypothetical LOC100000608; si:ch211-147d7.5	5,935	98
ENSDART00000017668	polypyrimidine tract binding protein 1a	5,822	1,716
ENSDART00000091158	zgc:154020	5,808	47
ENSDART00000110535	similar to MyoD family inhibitor domain containing protein	5,547	223
ENSDART00000059361	ENSDARG00000040569	5,493	157
ENSDART00000104628	insulin-like 5	5,467	1,072
ENSDART00000013553	zgc:100868	5,451	34
ENSDART00000056519	similar to Probable G-protein coupled receptor 160	5,423	701
ENSDART00000104917	similar to LOC494811 protein	5,403	90
ENSDART00000104083	S100 calcium binding protein V2	5,400	454
ENSDART00000076265	zgc:91908; similar to transmembrane protein 30B	5,191	703
ENSDART00000103757	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	5,110	257
ENSDART00000012241	kinesin family member 23	5,083	323
ENSDART00000061926	syntaxin 11b.2	5,079	51
ENSDART00000103692	hypothetical LOC798070; si:ch211-105d11.2	5,078	663
ENSDART00000026448	si:ch211-157f15.1	5,056	108
ENSDART00000062917	connexin 35.4	5,050	310
ENSDART00000109856	similar to Mid1p1 protein; zgc:173545; zgc:165551; zgc:163047; similar to histone cluster 2, H2ab; hypothetical LOC	5,011	844
ENSDART00000081196	scinderin like b	4,986	450
ENSDART00000040926	eukaryotic translation initiation factor 4E binding protein 2	4,964	319
ENSDART00000011967	annexin A2a	4,960	244
ENSDART00000103024	similar to Mid1p1 protein; zgc:173545; zgc:165551; zgc:163047; similar to histone cluster 2, H2ab; hypothetical LOC	4,945	1,074
ENSDART00000110424	similar to putative transmembrane protein TA-2	4,892	121
ENSDART00000115094	im:7138837	4,779	329
ENSDART00000089358	crumbs homolog 3b	4,751	729
ENSDART00000022903	hypothetical LOC791605; zgc:101780	4,713	626
ENSDART00000073402	similar to Mid1p1 protein	4,688	1,324
ENSDART00000112708	zgc:103510; fucosyltransferase 9	4,674	124
ENSDART00000059872	zgc:153512; hypothetical LOC792290	4,640	1,500
ENSDART00000057101	hypothetical LOC567132; zgc:174689; zgc:174688; zgc:113413	4,621	156
ENSDART00000036891	zgc:86749	4,606	1,112
ENSDART00000023838	zgc:91985	4,606	294
ENSDART00000045669	ENSDARG00000034836	4,572	372
ENSDART00000003195	chromatin modifying protein 4C	4,446	315
ENSDART00000040998	zgc:63910	4,382	1,005
ENSDART00000007732	calpain 9	4,182	85
ENSDART00000092049	hypothetical LOC100001318; zgc:158657	4,135	180
ENSDART00000045397	syntaxin 11b.1	4,132	185
ENSDART00000083433	G patch domain containing 8	4,130	1,334
ENSDART00000106089	enhancer of zeste homolog 2 (Drosophila)	4,114	604
ENSDART00000035360	finTRIM family, member 64	4,083	727
ENSDART00000097486	zgc:153677	3,907	1,271
ENSDART00000091094	plasma membrane proteolipid	3,895	699
ENSDART00000020750	keratin 18	3,855	1,038
ENSDART00000111347	ENSDARG00000075390	3,820	446
ENSDART00000105440	microsomal glutathione S-transferase 2	3,812	992
ENSDART00000113381	novel rhamnose binding lectin; si:dkeyp-98a7.5; hypothetical LOC564145	3,797	362
ENSDART00000075529	zgc:92869	3,776	1,011

Periderm-enriched profile

ENSDART00000081359	zgc:110425; hypothetical LOC791652	3,755	549
ENSDART00000042006	BAI1-associated protein 2-like 1a	3,724	929
ENSDART000000113533	ENSDARG00000078960	3,646	505
ENSDART00000067370	si:dkey-14d8.1	3,602	1,104
ENSDART00000084501	trichoplein, keratin filament binding	3,586	1,175
ENSDART000000101360	zgc:56382; zgc:111983	3,567	38
ENSDART00000098599	si:ch211-151h10.2	3,545	427
ENSDART000000100692	ELOVL family member 7, elongation of long chain fatty acids (yeast) a	3,542	430
ENSDART00000002842	zgc:110692	3,502	257
ENSDART00000080113	zgc:123339	3,477	50
ENSDART00000007202	zgc:92749	3,471	477
ENSDART00000076193	wu:fc88b11	3,465	419
ENSDART000000100991	hypothetical LOC791881; zgc:92357	3,453	40
ENSDART00000048507	zgc:100959	3,430	1,098
ENSDART00000077383	zgc:114169	3,362	1,120
ENSDART000000032778	zgc:63907	3,355	572
ENSDART000000105141	similar to Ral guanine nucleotide dissociation stimulator-like 1 (RalGDS-like 1)	3,354	102
ENSDART000000101563	zgc:153136	3,351	130
ENSDART00000075490	peptide YYa	3,313	153
ENSDART00000077111	zgc:100900	3,281	312
ENSDART00000043688	si:dkey-24117.2	3,281	1,027
ENSDART000000109136	zgc:66382	3,258	871
ENSDART00000063834	zgc:86586	3,241	227
ENSDART000000109423	hydroxysteroid (17-beta) dehydrogenase 12a	3,237	541
ENSDART00000009920	LIM domain only 7a	3,222	574
ENSDART000000114092	novel rhamnose binding lectin; si:dkeyp-98a7.5; hypothetical LOC564145	3,205	503
ENSDART00000044552	si:ch211-14a17.7	3,203	1,022
ENSDART00000015277	glutathione peroxidase 1b	3,046	814
ENSDART00000099885	zgc:153893	2,962	350
ENSDART00000075762	TANK-binding kinase 1	2,936	637
ENSDART000000112337	similar to novel nacht domain containing protein	2,931	679
ENSDART00000098119	zgc:56488	2,926	784
ENSDART000000109330	ENSDARG00000074574	2,921	232
ENSDART000000113223	ENSDARG00000078975	2,881	52
ENSDART000000109774	zgc:86915; zgc:171947; zgc:171945; zgc:101673; zgc:153597	2,845	566
ENSDART000000106244	zgc:152652; wu:fd20g04; hypothetical LOC573106; zgc:171750; wu:fd20f07	2,834	705
ENSDART00000059923	max interacting protein	2,801	457
ENSDART000000104319	similar to inositol 1,4,5-trisphosphate 3-kinase A; inositol 1,4,5-trisphosphate 3-kinase A	2,797	277
ENSDART00000080842	kit ligand b	2,786	268
ENSDART00000043276	similar to erythrocyte membrane protein band 4.1 like 5; erythrocyte membrane protein band 4.1 like 5	2,775	655
ENSDART000000110638	zgc:152936; zgc:174228; novel galactose binding lectin domain containing protein; si:dkey-240e12.6	2,770	192
ENSDART000000102776	caspase a	2,763	84
ENSDART00000084828	ENSDARG00000060313	2,755	84
ENSDART00000079899	si:dkey-8113.4	2,732	186
ENSDART00000097583	similar to Os05g0242100; zgc:172187; similar to polytene protein; zgc:153686	2,720	745
ENSDART00000063041	zgc:64187	2,681	166
ENSDART00000018159	wu:fa28c04	2,637	776
ENSDART00000012600	galactokinase 2	2,608	165
ENSDART00000016422	MAP kinase-interacting serine/threonine kinase 2b	2,586	537
ENSDART00000036871	hypothetical LOC569653	2,557	50
ENSDART000000114639	interleukin 12a	2,520	385
ENSDART00000082192	zgc:63514	2,503	225
ENSDART00000041414	caspase 6, apoptosis-related cysteine peptidase, like 1	2,496	36
ENSDART00000028854	apoptosis antagonizing transcription factor	2,433	219
ENSDART00000074587	progesterin and adipoQ receptor family member Vb	2,432	27
ENSDART00000079645	zgc:174164	2,388	117
ENSDART00000053798	calmodulin 2b, (phosphorylase kinase, delta); calmodulin 2a (phosphorylase kinase, delta); calmodulin 3a (phosphory	2,385	780
ENSDART00000078625	si:dkey-98p3.2; zgc:136613; hypothetical protein LOC100150222	2,361	131
ENSDART00000006923	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit s	2,358	459
ENSDART00000052789	C1GALT1-specific chaperone 1	2,337	148
ENSDART00000054063	gamma-glutamyl hydrolase (conjugase, folypolyglutamyldase)	2,312	384
ENSDART00000078983	coiled-coil domain containing 125; similar to Kenae	2,309	746
ENSDART000000106032	ENSDARG00000077673	2,284	25
ENSDART000000103027	similar to Histone H4 replacement CG3379-PC; similar to predicted protein; similar to histone cluster 1, H2bc; similar	2,269	626
ENSDART00000067841	zgc:112038	2,233	47
ENSDART00000080054	crystallin, gamma S3	2,227	197
ENSDART00000093004	ENSDARG00000071357	2,222	36
ENSDART00000021620	claudin d	2,221	118
ENSDART00000077861	similar to family with sequence similarity 132, member A	2,199	427
ENSDART00000021992	ENSDARG00000012990	2,197	347
ENSDART00000009093	similar to MGC84951 protein	2,159	601
ENSDART00000050000	thyroid stimulating hormone, beta subunit	2,114	59
ENSDART00000024726	dishevelled associated activator of morphogenesis 1	2,090	120
ENSDART00000067292	parathyroid hormone 1a	2,083	237
ENSDART00000098274	si:ch211-117m20.5	2,083	31
ENSDART00000074099	ENSDARG00000052277	2,080	403
ENSDART00000051528	S100 calcium binding protein U	2,058	455
ENSDART00000060744	si:dkey-7c18.24	2,031	42
ENSDART00000099537	zgc:153978	2,026	401
ENSDART000000108845	similar to Latrophilin-2 precursor (Calcium-independent alpha-latrotoxin receptor 2) (Latrophilin homolog 1) (Lectome	2,020	508
ENSDART000000113681	similar to Histone H4 replacement CG3379-PC; similar to predicted protein; similar to histone cluster 1, H2bc; similar	1,997	501
ENSDART00000091805	si:dkeyp-1h4.1	1,951	510
ENSDART00000065590	zgc:56565	1,950	383
ENSDART00000081451	arginine vasopressin-like	1,944	83
ENSDART000000110550	breast cancer anti-estrogen resistance 3	1,941	275
ENSDART00000079631	zgc:154013	1,918	394
ENSDART00000000250	solute carrier family 40 (iron-regulated transporter), member 1	1,915	269
ENSDART000000102939	hypothetical protein LOC799862	1,909	277
ENSDART00000085976	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	1,836	540
ENSDART00000078066	zgc:153436	1,835	198
ENSDART00000025644	protein phosphatase 2, regulatory subunit B', alpha isoform	1,818	228
ENSDART00000026264	ENSDARG00000079731	1,815	596
ENSDART00000027237	hypothetical LOC563897	1,808	390
ENSDART000000101676	si:ch211-219a4.3	1,796	313
ENSDART000000112403	zgc:171965	1,779	139
ENSDART00000099834	hypothetical protein LOC100150220; hypothetical protein LOC553308; hypothetical protein LOC100151128; si:ch211-	1,772	141
ENSDART000000114775	similar to Histone H4 replacement CG3379-PC; similar to predicted protein; similar to histone cluster 1, H2bc; similar	1,772	421

Periderm-enriched profile

ENSDART00000099540	ENSDARG00000068740	1,770	491
ENSDART00000033691	tuberoinfundibular peptide of 39 amino acids; parathyroid hormone 2	1,760	86
ENSDART00000066439	cholesterol 25-hydroxylase	1,754	69
ENSDART00000097719	cadherin 1, epithelial	1,753	361
ENSDART00000028093	claudin 10 like	1,740	74
ENSDART00000012284	zgc:63546; cytochrome P450 CYP2AA3v1	1,736	437
ENSDART00000013668	sulfide quinone reductase-like (yeast)	1,681	420
ENSDART00000078033	similar to mitochondrial alanine aminotransferase	1,678	287
ENSDART00000092648	zgc:153239	1,677	362
ENSDART00000064922	hypothetical protein LOC100150019; muscle, skeletal, receptor tyrosine kinase	1,663	424
ENSDART00000017947	coiled-coil domain containing 146	1,658	306
ENSDART000000115410	ENSDARG00000077976	1,657	41
ENSDART00000056561	S100 calcium binding protein Z	1,655	195
ENSDART00000032702	similar to preprosomatostatin-II	1,654	489
ENSDART00000083406	similar to B-box and SPRY domain containing	1,644	91
ENSDART00000029649	Parkinson disease (autosomal recessive, juvenile) 2, parkin	1,640	178
ENSDART00000062536	zgc:56136	1,616	441
ENSDART00000061947	ENSDARG00000074599	1,608	352
ENSDART00000048589	similar to Histone H4 replacement CG3379-PC; similar to predicted protein; similar to histone cluster 1, H2bc; similar	1,606	488
ENSDART00000075643	hypothetical protein LOC100150738; zgc:101785	1,605	119
ENSDART00000012889	connexin 28.6	1,597	47
ENSDART00000098363	tumor protein p63 regulated 1-like	1,591	405
ENSDART00000067356	wu:fl26e04	1,587	31
ENSDART00000066789	STAR3 N-terminal like	1,583	402
ENSDART000000103900	similar to Serine/threonine-protein kinase Pim-3; hypothetical protein LOC100149825	1,582	357
ENSDART00000058706	similar to c-FosLb protein	1,573	268
ENSDART000000114938	hypothetical LOC100000713	1,569	429
ENSDART00000062516	zgc:172225; si:ch211-234p6.13	1,566	305
ENSDART00000036273	ENSDARG00000070847	1,542	177
ENSDART000000115276	fibroblast growth factor (acidic) intracellular binding protein, like	1,541	320
ENSDART00000075928	integral membrane protein 1	1,502	482
ENSDART000000109913	ENSDARG00000074049	1,499	81
ENSDART00000038364	similar to carbonic anhydrase II; hypothetical LOC792230; carbonic anhydrase II	1,499	151
ENSDART000000110252	protein phosphatase 2, regulatory subunit B', gamma isoform	1,479	418
ENSDART00000031365	zgc:63658	1,460	339
ENSDART00000075276	ENSDARG00000053258	1,458	224
ENSDART00000098823	similar to Serine/threonine-protein kinase Pim-3	1,454	144
ENSDART000000106043	ENSDARG00000076907	1,452	468
ENSDART00000073447	similar to LOC495114 protein	1,447	128
ENSDART00000097515	ENSDARG00000067706	1,435	409
ENSDART00000091760	si:dkey-3n2.7	1,435	140
ENSDART00000067537	ELOVL family member 6, elongation of long chain fatty acids like	1,435	187
ENSDART00000033872	troponin I, skeletal, fast 2a.1	1,433	318
ENSDART000000112955	ENSDARG00000079639	1,432	424
ENSDART000000108851	ENSDARG00000076945	1,430	69
ENSDART00000061477	ENSDARG00000041947	1,429	68
ENSDART00000046174	zgc:100942	1,424	95
ENSDART00000097759	hypothetical LOC793992; hypothetical LOC794063; hypothetical protein LOC793802	1,417	121
ENSDART00000061076	caveolin 1	1,412	101
ENSDART00000056280	similar to phosphofructokinase, platelet	1,403	169
ENSDART00000073401	zgc:173552; similar to Mid1ip1 protein; hypothetical LOC559765; zgc:158701; zgc:158629; similar to His3:CG31613	1,402	339
ENSDART000000113685	ENSDARG00000075740	1,397	245
ENSDART00000076816	zgc:103594	1,387	355
ENSDART000000101615	ENSDARG00000069695	1,368	301
ENSDART000000105314	si:ch211-226h8.14	1,359	423
ENSDART000000101556	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2b	1,351	196
ENSDART00000067175	periphilin 1	1,340	374
ENSDART00000064554	protein phosphatase 2, regulatory subunit B', gamma	1,335	332
ENSDART00000056598	polo-like kinase 3 (Drosophila)	1,334	292
ENSDART00000017402	zgc:92046	1,334	274
ENSDART00000027353	F-box and WD-40 domain protein 5	1,333	168
ENSDART000000109977	si:ch211-250e5.3	1,332	259
ENSDART000000106473	si:dkey-15h8.11; si:dkey-15h8.10	1,330	244
ENSDART00000009971	sorting nexin 33	1,325	223
ENSDART000000113870	zgc:173552; similar to Mid1ip1 protein; hypothetical LOC559765; zgc:158701; zgc:158629; similar to His3:CG31613	1,323	145
ENSDART00000031952	zgc:66450	1,311	216
ENSDART00000020914	glucose phosphate isomerase b	1,309	254
ENSDART00000051186	nonspecific cytotoxic cell receptor protein 1	1,303	77
ENSDART00000084305	crumbs homolog 2, like	1,301	94
ENSDART000000051271	FCH domain only 2	1,296	208
ENSDART00000035080	zgc:158263	1,291	140
ENSDART00000097149	hypothetical LOC565353	1,289	233
ENSDART00000041088	reticulin 3	1,282	83
ENSDART00000008134	tripartite motif-containing 3b	1,278	276
ENSDART000000103831	zgc:153923	1,276	261
ENSDART000000665402	zgc:77262	1,275	186
ENSDART000000110429	zgc:194297	1,258	167
ENSDART00000093236	ENSDARG00000063672	1,255	417
ENSDART00000065819	chloride intracellular channel a	1,252	139
ENSDART00000089150	si:dkey-265o13.4	1,246	129
ENSDART000000109949	ENSDARG00000079668	1,245	390
ENSDART00000017756	cathepsin L1	1,242	59
ENSDART00000051666	protein phosphatase 1F (PP2C domain containing)	1,239	231
ENSDART000000112410	ENSDARG00000077860	1,237	357
ENSDART00000098603	si:ch211-151h10.1	1,235	52
ENSDART00000097511	ENSDARG00000067703	1,232	317
ENSDART00000052649	similar to SH3 domain binding protein CR16	1,230	343
ENSDART000000102721	similar to socius	1,228	109
ENSDART00000011906	zgc:110602	1,216	95
ENSDART000000108532	ENSDARG00000076567	1,214	113
ENSDART00000019593	zgc:92416	1,193	33
ENSDART00000083558	zgc:153995	1,190	275
ENSDART00000098076	similar to c-src tyrosine kinase	1,186	237
ENSDART00000061753	fatty acyl CoA reductase 1	1,185	52
ENSDART00000039987	phosphoglucomutase 3	1,181	361
ENSDART00000032996	pancreatic progenitor cell differentiation and proliferation factor a	1,170	366
ENSDART00000038310	zgc:101654	1,168	233

Periderm-enriched profile

ENSDART0000025016	keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer	1,166	82
ENSDART0000002778	hypothetical LOC792015; zgc:63689	1,159	146
ENSDART0000009839	zgc:172250	1,149	298
ENSDART00000101724	v-mos Moloney murine sarcoma viral oncogene homolog	1,146	272
ENSDART00000066620	type I cytokeratin; zgc:109868; si:dkeyp-113d7.4	1,134	87
ENSDART00000064186	similar to coxsackie virus and adenovirus receptor	1,128	35
ENSDART00000018163	si:dkey-223n17.3	1,126	64
ENSDART00000114859	zgc:92020	1,125	176
ENSDART00000023337	N-acyl phosphatidylethanolamine phospholipase D	1,121	159
ENSDART00000014385	ELOVL family member 7, elongation of long chain fatty acids (yeast) b	1,119	182
ENSDART00000045549	zgc:91936	1,119	47
ENSDART00000104344	ecotropic viral integration site 5; similar to Ecotropic viral integration site 5 protein homolog (EVI-5) (Neuroblastoma s	1,102	358
ENSDART00000076083	CDC42 effector protein (Rho GTPase binding) 2	1,094	121
ENSDART00000008590	inositol 1,3,4-triphosphate 5/6 kinase	1,087	193
ENSDART00000064991	similar to Serine/threonine-protein kinase Pim-3	1,086	343
ENSDART00000043403	hypothetical protein LOC100150162; zgc:85680	1,074	181
ENSDART00000025724	zgc:63831	1,069	116
ENSDART00000077635	si:ch211-103n10.5	1,066	265
ENSDART00000024415	wu:fd10h02	1,064	159
ENSDART00000047529	hypothetical LOC100001689; zgc:158388	1,060	274
ENSDART00000061843	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	1,059	98
ENSDART00000053221	ADP-ribosylation factor-like 11	1,055	54
ENSDART00000098282	si:ch211-198o12.4	1,054	338
ENSDART00000074335	ENSDARG00000074725	1,039	131
ENSDART00000018064	zgc:152791	1,038	170
ENSDART00000018909	es1 protein	1,030	87
ENSDART00000112081	hematopoietic cell signal transducer	1,030	122
ENSDART00000110956	hypothetical LOC796588	1,028	324
ENSDART00000039204	tripartite motif-containing 25-like	1,027	263
ENSDART00000101775	annexin A11a	1,009	294
ENSDART00000030205	BCL2/adenovirus E1B interacting protein 3-like	1,009	173
ENSDART00000099482	similar to kinase suppressor of ras 1	1,004	300
ENSDART00000078045	baculoviral IAP repeat-containing 5B	1,001	148
ENSDART00000041942	zgc:110586	1,001	309
ENSDART00000023690	zgc:92480; calpain 2, (m/II) large subunit, like	999	59
ENSDART00000114349	neuregulin 1	998	137
ENSDART00000081926	similar to hyperpolarization activated cyclic nucleotide-gated potassium channel 2	995	312
ENSDART00000041396	ENSDARG00000032801	986	36
ENSDART00000098434	ENSDARG00000035568	982	42
ENSDART00000062170	ENSDARG00000042400	976	223
ENSDART00000050330	mediator complex subunit 24	974	255
ENSDART00000045555	zgc:63637	973	162
ENSDART00000089294	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1	971	246
ENSDART00000097770	guanylyl cyclase 3	966	165
ENSDART00000097330	ENSDARG00000009281	950	255
ENSDART00000036277	histone deacetylase 4	950	311
ENSDART00000077720	similar to Glutamate decarboxylase 1 (Glutamate decarboxylase 67 kDa isoform) (GAD-67) (67 kDa glutamic acid dec	950	35
ENSDART00000062360	nucleoporin 205	948	249
ENSDART00000027784	carboxyl ester lipase, tandem duplicate 1	944	53
ENSDART00000112721	ENSDARG00000077076	940	256
ENSDART00000013972	similar to absent in melanoma 1-like	940	52
ENSDART00000063398	zgc:113255	938	178
ENSDART00000114885	zgc:103715	937	216
ENSDART00000038301	similar to glucosamine-6-phosphate deaminase 2	936	149
ENSDART00000066778	acyl-Coenzyme A dehydrogenase family, member 11	936	254
ENSDART00000075346	hypothetical LOC797100; hypothetical LOC794599; hypothetical protein LOC100003716	934	265
ENSDART00000075563	zgc:114136	931	308
ENSDART000000009182	aquaporin 3	925	34
ENSDART00000084834	similar to SLIT-ROBO Rho GTPase activating protein 3	923	195
ENSDART00000114161	similar to transmembrane protein 184b	922	222
ENSDART00000104066	si:dkey-239i20.1	921	168
ENSDART00000012717	EH-domain containing 1	919	126
ENSDART00000060347	crystallin, gamma S2	915	199
ENSDART00000051777	zgc:101664; hypothetical LOC791695	907	284
ENSDART00000041215	ENSDARG00000003046	902	182
ENSDART00000067594	zgc:153129; hypothetical LOC570536	901	264
ENSDART00000082920	ENSDARG00000059567	901	254
ENSDART00000112104	zgc:112210; zgc:113291; zgc:101129	900	105
ENSDART00000005929	ENSDARG00000004988	896	72
ENSDART00000057960	similar to novel notch family protein; si:ch211-221n20.8; si:dkey-235d18.5	890	189
ENSDART00000057848	similar to mCG1046517	888	85
ENSDART00000016300	crystallin, gamma M4; fibulin 4	886	74
ENSDART00000064394	ENSDARG00000025108	884	213
ENSDART00000090375	similar to zinc finger CCH-type containing 12B	879	115
ENSDART00000062081	zgc:101053; similar to endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	877	282
ENSDART00000100937	zgc:158239	877	209
ENSDART00000057624	zgc:110353	876	54
ENSDART00000055500	ENSDARG00000038072	871	41
ENSDART00000093122	ENSDARG00000076053	871	90
ENSDART00000031253	LIM domain containing preferred translocation partner in lipoma	870	194
ENSDART00000032827	zgc:162964	868	197
ENSDART00000043251	hypothetical LOC791718; Der1-like domain family, member 3	867	247
ENSDART00000028635	zgc:136412	864	176
ENSDART00000084859	similar to RAB GTPase activating protein 1-like	851	64
ENSDART00000081438	ENSDARG00000058558	847	202
ENSDART00000081802	ENSDARG00000058869	840	61
ENSDART00000032547	leukocyte cell-derived chemotaxin 2 like	839	82
ENSDART00000004240	zgc:162180	834	95
ENSDART00000110738	MYB binding protein (P160) 1a-like	829	223
ENSDART00000010373	keratin, type 1, gene 19d	824	73
ENSDART00000021864	zgc:77906	820	120
ENSDART00000098001	ENSDARG00000067969	819	197
ENSDART00000045888	similar to transketolase	818	202
ENSDART00000109428	ENSDARG00000076389	815	258
ENSDART0000012677	ENSDARG00000045556	814	175
ENSDART00000101159	zgc:77173	812	38
ENSDART00000115351	similar to APurinic/apyrimidinic endoNuclease family member (apn-1)	812	259

Periderm-enriched profile

ENSDART0000066863	v-ral simian leukemia viral oncogene homolog A (ras related)	810	250
ENSDART00000114499	ENSDARG0000074327	809	183
ENSDART00000028115	cofactor required for Sp1 transcriptional activation, subunit 3	803	208
ENSDART00000083569	ornithine decarboxylase antizyme 2, like	798	235
ENSDART00000098504	zgc:101815	795	152
ENSDART00000019006	neural cell adhesion molecule 3	795	216
ENSDART00000079698	5-hydroxytryptamine (serotonin) receptor 1A b	793	133
ENSDART00000074812	zgc:111868; hypothetical LOC791857	793	151
ENSDART00000080749	eps8-like1	793	82
ENSDART00000075926	sciellin	792	117
ENSDART00000005727	UDP-galactose-4-epimerase	792	88
ENSDART00000023646	zinc finger protein 513	792	89
ENSDART00000013851	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	791	162
ENSDART00000082726	zgc:158784	790	217
ENSDART00000087148	cerebellin 4 precursor	790	216
ENSDART00000083827	heparan sulfate (glucosamine) 3-O-sulfotransferase 3-like	786	236
ENSDART00000059796	zgc:136929	785	82
ENSDART00000057266	ENSDARG00000039197	785	256
ENSDART00000099023	zgc:63670	785	198
ENSDART00000033902	similar to PHD finger protein 6	782	44
ENSDART00000044518	ENSDARG00000078961	780	258
ENSDART00000028237	calcium/calmodulin-dependent protein kinase 1, alpha	774	217
ENSDART00000039871	cytoplasmic linker associated protein 2	769	178
ENSDART00000012994	zgc:110083	768	62
ENSDART00000056495	similar to LOC553398 protein; hypothetical protein LOC553398	766	144
ENSDART00000106595	hypothetical protein LOC100006474; hypothetical LOC792855; zgc:171318; similar to Zinc finger protein 658; zgc:12	765	251
ENSDART00000114238	coagulation factor II (thrombin)	765	76
ENSDART00000098492	similar to spectrin, beta, non-erythrocytic 1	760	149
ENSDART00000104570	zgc:175171	755	164
ENSDART00000097773	subcommissural organ spondin	753	222
ENSDART00000114715	similar to alpha 1,2-mannosidase	750	213
ENSDART00000062426	zgc:123246	749	238
ENSDART00000099733	coagulation factor II (thrombin) receptor-like 1	749	55
ENSDART00000113134	caspase b	749	239
ENSDART00000106669	zgc:112176	748	193
ENSDART00000103381	similar to Ectonucleoside triphosphate diphosphohydrolase 5 precursor (NTPDase 5) (Nucleoside diphosphatase) (CD3	745	229
ENSDART00000051114	Rho-related BTB domain containing 2a	744	218
ENSDART00000103615	ENSDARG00000070526	743	143
ENSDART00000038257	similar to Poly [ADP-ribose] polymerase-4 (PARP-4) (Vault poly(ADP-ribose) polymerase) (VPARP) (193-kDa vault prot	741	41
ENSDART00000081899	ENSDARG00000025168	738	198
ENSDART00000103826	fatty acid 2-hydroxylase	736	41
ENSDART00000086570	tollold-like 1	734	216
ENSDART00000086001	similar to ADP-ribosylation factor-like 10	734	63
ENSDART00000006840	dynamin 1-like	724	212
ENSDART00000083314	si:dkey-21k10.1; similar to protein tyrosine phosphatase, receptor type, F	722	99
ENSDART00000045882	zgc:112153	714	172
ENSDART00000055102	ENSDARG00000037818	713	84
ENSDART00000007744	solute carrier family 30 (zinc transporter), member 1	711	183
ENSDART00000065717	similar to GDP/GTP exchange factor VAV2; VAV2	710	223
ENSDART00000062902	similar to paraxis	709	155
ENSDART00000005518	zgc:112270	708	222
ENSDART00000056522	ENSDARG00000023933	708	136
ENSDART00000011705	zgc:113062	707	210
ENSDART00000010900	hypothetical protein LOC100149839; zgc:136851	702	172
ENSDART00000023797	alkaline ceramidase 1	701	45
ENSDART00000102827	Lepre1 protein; similar to Prolyl 3-hydroxylase 1 precursor (Leucine- and proline-enriched proteoglycan 1) (Leprecan-	701	209
ENSDART00000081544	hypothetical LOC563976	701	125
ENSDART00000066256	hypothetical LOC791852; vesicle transport through interaction with t-SNAREs homolog 1A (yeast)	697	162
ENSDART00000003278	similar to Neuromedin-K receptor (NKR) (Neurokinin B receptor) (NK-3 receptor) (NK-3R) (Tachykinin receptor 3)	696	215
ENSDART00000114876	zgc:171747	695	211
ENSDART00000075940	melatonin receptor type 1B a	695	141
ENSDART00000016310	BTG3 associated nuclear protein	694	87
ENSDART00000039663	membrane bound O-acyltransferase domain containing 2a	693	68
ENSDART00000111003	zona pellucida glycoprotein 3c	693	81
ENSDART00000103246	hypothetical protein LOC553490	693	35
ENSDART00000092389	similar to Nuclear pore membrane glycoprotein 210 precursor (POM210) (Nuclear pore protein gp210)	689	184
ENSDART00000111977	ENSDARG00000077838	688	171
ENSDART00000084249	cylindromatosis (turban tumor syndrome)	684	54
ENSDART00000105345	ENSDARG00000071303	682	81
ENSDART00000079859	zgc:173729; serpin peptidase inhibitor, clade B (ovalbumin), member 1, like 4; serpin peptidase inhibitor, clade B (ov	681	177
ENSDART00000054817	ENSDARG00000036009	681	66
ENSDART00000021919	fms-related tyrosine kinase 4	680	225
ENSDART00000052393	par-6 partitioning defective 6 homolog gamma B (C. elegans)	677	117
ENSDART00000109675	ENSDARG00000057212	677	89
ENSDART00000104719	si:dkey-204a24.6	676	34
ENSDART00000065838	similar to ectonucleoside triphosphate diphosphohydrolase 2 a.1	675	166
ENSDART00000021878	similar to glucagon-like peptide 1 receptor	673	129
ENSDART00000018213	similar to natriuretic peptide receptor-A	662	193
ENSDART00000004127	sc:d0823; roundabout homolog 4	660	162
ENSDART00000066476	ENSDARG00000053340	660	136
ENSDART00000104555	ENSDARG00000079243	658	180
ENSDART00000005456	similar to gdnf family receptor alpha 1b; gdnf family receptor alpha 1b	657	76
ENSDART00000104070	ENSDARG00000070697	656	152
ENSDART00000099072	ENSDARG00000068491	656	142
ENSDART00000047008	si:dkey-72l14.9	654	143
ENSDART00000098097	ENSDARG00000068007	653	54
ENSDART00000111596	similar to novel pim oncogene	652	86
ENSDART00000112494	similar to hemicentin 1	651	154
ENSDART00000060666	ENSDARG00000041382	649	180
ENSDART00000111155	ENSDARG00000078827	649	56
ENSDART00000097683	similar to interleukin-12 p35 subunit	649	106
ENSDART00000002690	wu:fa97b06	643	49
ENSDART00000103457	zgc:136820; zgc:136545	642	138
ENSDART00000016086	wu:fb63a08	640	64
ENSDART00000027443	si:ch211-219a4.7	640	131
ENSDART00000112188	ENSDARG00000074872	639	203
ENSDART00000059038	ENSDARG00000040342	637	155

## Periderm-enriched profile

ENSDART00000081030	ENSDARG00000073670	637	157
ENSDART00000059982	similar to claudin 6	636	188
ENSDART00000057559	si:dkeyp-1e8.1	636	48
ENSDART00000099822	nitric oxide synthase 1 (neuronal)	635	141
ENSDART00000007181	similar to MGC82074 protein	634	119
ENSDART00000066593	similar to Rsu1 protein; Ras suppressor protein 1	633	147
ENSDART00000046933	sulfotransferase family 1, cytosolic sulfotransferase 5	633	67
ENSDART00000100469	MCM3 minichromosome maintenance deficient 3 ( <i>S. cerevisiae</i> ) associated protein	633	149
ENSDART00000105665	ENSDARG00000071456	633	186
ENSDART00000111274	ENSDARG00000077210	632	210
ENSDART00000078807	zgc:123295	629	151
ENSDART00000104262	si:ch211-132n12.1	628	152
ENSDART00000009438	lamin B2	624	167
ENSDART00000020813	zgc:158411	623	132
ENSDART00000085524	zgc:158357	622	112
ENSDART00000044838	N-myc downstream regulated gene 1	621	177
ENSDART00000036037	leucine rich repeat containing 4C	620	206
ENSDART00000038525	novel protein similar to vertebrate solute carrier family 16 (monocarboxylic acid transporters), member 3 (SLC16A3)	620	182
ENSDART00000101709	hypothetical LOC556274; si:xx-by187g17.5	619	80
ENSDART00000106062	ENSDARG00000071629	617	160
ENSDART00000054977	ATPase, Cu++ transporting, alpha polypeptide	613	62
ENSDART00000092596	ENSDARG00000063400	611	192
ENSDART00000049646	zgc:153457; si:dkey-13a21.14	606	181
ENSDART00000077955	cholinergic receptor, muscarinic 2a	602	112
ENSDART00000100544	similar to trace amine associated receptor 1; si:dkey-7c18.8	602	190
ENSDART00000083797	ENSDARG00000043627	602	177
ENSDART00000105800	si:ch211-195b13.1	598	160
ENSDART00000105300	si:ch211-226h8.4; si:ch211-154a22.8; zgc:174165; hypothetical LOC566890; zgc:171717; si:ch211-226h8.11; simi	597	177
ENSDART00000097535	ENSDARG00000067720	593	148
ENSDART00000038813	zinc finger protein 143	593	138
ENSDART00000111393	si:dkey-19p15.7	593	135
ENSDART00000010537	ceruloplasmin	593	35
ENSDART00000044708	polymerase (RNA) I polypeptide A	593	179
ENSDART00000015576	zgc:56372	591	117
ENSDART00000057872	zgc:112433	591	57
ENSDART00000060530	ENSDARG000000041297	589	105
ENSDART00000100173	zgc:66385	588	150
ENSDART00000103889	similar to LOC494811 protein	587	171
ENSDART00000054337	G protein-coupled receptor 157	585	177
ENSDART00000053841	si:dkey-63j12.5	585	97
ENSDART00000087111	si:ch211-175f1.2	580	113
ENSDART00000083068	Malectin	580	150
ENSDART00000110010	WD repeat domain 24	580	104
ENSDART00000047208	similar to MAP-kinase activating death domain-containing protein	580	75
ENSDART00000026207	si:dkey-48h7.2	578	147
ENSDART00000101280	si:dkey-30c15.10	577	182
ENSDART00000064848	similar to PGRP-SC1a protein; peptidoglycan recognition protein 5	577	32
ENSDART00000063937	similar to LOC496799 protein	576	118
ENSDART00000089750	zgc:162623	575	137
ENSDART00000064613	lysyl oxidase-like 2b; lysyl oxidase-like 2a	574	118
ENSDART00000031665	annexin A1a	574	172
ENSDART00000103070	si:dkey-31k5.1; hypothetical protein LOC798487	573	147
ENSDART00000074268	zgc:153929	566	159
ENSDART00000036463	dead end	565	108
ENSDART00000087841	ENSDARG00000061535	565	147
ENSDART00000076494	zgc:194470	564	148
ENSDART00000093371	similar to NEDD4-like ubiquitin-protein ligase 1	563	94
ENSDART00000024751	zgc:113191	563	98
ENSDART00000087292	similar to PR domain containing 10; PR domain containing 10	562	113
ENSDART00000110658	zgc:162229	562	185
ENSDART00000075856	hypothetical protein LOC10006655	562	31
ENSDART00000098671	si:ch211-203b8.6	562	143
ENSDART00000101825	hypothetical LOC795419	560	129
ENSDART00000066206	wu:fj49c01	559	140
ENSDART00000112579	zgc:153925	558	77
ENSDART00000002777	rho-associated, coiled-coil containing protein kinase 2b	558	171
ENSDART00000092705	similar to novel immunoglobulin domain containing protein	556	143
ENSDART00000044738	similar to synembryn; zgc:92294	554	125
ENSDART00000079439	ENSDARG00000056863; ENSDARG00000045577	554	141
ENSDART00000011946	similar to GABA receptor rho-1 subunit	553	147
ENSDART00000039851	dopamine receptor D3; hypothetical protein LOC100150956	551	119
ENSDART00000034714	similar to CCR4-NOT transcription complex, subunit 4	551	135
ENSDART00000015482	malic enzyme 2, NAD(+)-dependent, mitochondrial	551	165
ENSDART00000098987	zgc:92349	550	123
ENSDART00000003156	wingless-type MMTV integration site family, member 7Ba	550	151
ENSDART00000076079	ENSDARG00000053958	548	103
ENSDART00000100283	aldehyde dehydrogenase 9 family, member A1a	548	147
ENSDART00000061414	hypothetical protein LOC793774	547	116
ENSDART00000075123	Purkinje cell protein 4a	546	86
ENSDART00000030873	hypothetical LOC791461; zgc:56067	544	156
ENSDART00000083946	zgc:162591	544	110
ENSDART00000084037	ENSDARG00000069893	543	138
ENSDART00000038657	zgc:55420	541	89
ENSDART00000100184	activated leukocyte cell adhesion molecule	540	144
ENSDART00000017368	similar to membrane-spanning 4-domains, subfamily A, member 4	540	53
ENSDART00000098296	zgc:56324; hypothetical LOC796503	538	145
ENSDART00000020598	wu:fc51c09	538	86
ENSDART00000074761	zgc:110105	538	135
ENSDART00000061500	similar to Golgin subfamily A member 4 (Trans-Golgi p230) (256 kDa golgin) (Golgin-245) (Protein 72.1); si:dkey-163	538	131
ENSDART00000057553	si:dkey-24l11.8	536	91
ENSDART00000102071	zgc:171978	536	117
ENSDART00000052514	cysteinyl-tRNA synthetase	534	150
ENSDART00000029946	hypothetical LOC792161; zgc:100921	533	98
ENSDART00000026768	bone morphogenetic protein receptor, type 1a	533	138
ENSDART00000104545	ENSDARG00000029219	530	143
ENSDART00000100342	ankyrin and armadillo repeat containing	529	94
ENSDART00000098597	si:dkeyp-86e4.1	528	144

Periderm-enriched profile

ENSDART00000048391	v-raf murine sarcoma viral oncogene homolog B1	526	152
ENSDART00000055251	immunoglobulin heavy constant mu	525	152
ENSDART00000006183	zinc finger protein 385B; similar to Zinc finger protein 533	524	141
ENSDART000000101888	ENSDARG00000069806	524	169
ENSDART00000050831	ChaC, cation transport regulator homolog 2 (E. coli)	524	130
ENSDART00000079226	cytoplasmic polyadenylation element binding protein 4	523	172
ENSDART00000050352	similar to hyperpolarization activated cyclic nucleotide-gated potassium channel 2	522	68
ENSDART00000020550	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)	521	130
ENSDART00000048003	tetraspanin 12	521	119
ENSDART000000109475	ENSDARG00000078597	521	71
ENSDART000000101885	zinc finger, DHHC-type containing 18	519	166
ENSDART00000003879	zgc:101060	519	116
ENSDART000000019136	lyric-like	519	111
ENSDART000000103526	similar to hCG2024326	518	111
ENSDART000000001102	si:ch211-214d15.1	517	60
ENSDART000000061321	hypothetical protein LOC553532; similar to LOC553532 protein	516	132
ENSDART000000060258	hypothetical LOC791972; zgc:103671	513	144
ENSDART000000112453	phosphoinositide kinase, FYVE finger containing	511	153
ENSDART000000101061	ENSDARG00000069434	510	85
ENSDART00000098009	similar to TBC1 domain family, member 22B	508	62
ENSDART000000113824	hepatoma-derived growth factor, related protein 2	507	49
ENSDART000000047248	nemo like kinase, type 2	505	136
ENSDART000000110448	ENSDARG00000079792	504	99
ENSDART00000082228	leucine rich repeat containing 8 family, member A; similar to leucine rich repeat containing 8 family, member A	504	63
ENSDART000000012697	hypothetical LOC566620; si:ch211-125e6.14; si:ch211-125e6.12	502	53
ENSDART000000066782	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	501	137
ENSDART000000029175	ENSDARG00000015356	500	157
ENSDART00000082187	novel protein similar to vertebrate Ras-related GTP binding C (RRAGC)	500	133
ENSDART000000021158	ArfGAP with FG repeats 1b	498	146
ENSDART000000078734	sb:cb37; similar to Alpha-2-macroglobulin precursor (Alpha-2-M); alpha-2 macroglobulin-like	497	57
ENSDART000000040449	similar to 5-hydroxytryptamine (serotonin) receptor 1F	495	47
ENSDART000000063180	ATP-binding cassette, sub-family G (WHITE), member 2a	495	147
ENSDART000000089211	ENSDARG00000057353	494	49
ENSDART000000062740	zgc:158252	494	125
ENSDART000000064436	mitogen-activated protein kinase kinase kinase 7 interacting protein 2	493	132
ENSDART000000079413	ENSDARG00000056896	493	145
ENSDART00000039848	wu:fk66a11	491	71
ENSDART000000057327	similar to Voltage-dependent calcium channel gamma-5 subunit (Neuronal voltage-gated calcium channel gamma-5 subunit)	490	138
ENSDART000000101207	ENSDARG00000069499	490	106
ENSDART000000006961	si:ch211-152c2.4	490	61
ENSDART000000108931	ENSDARG00000074420	488	140
ENSDART000000053639	glycerol-3-phosphate dehydrogenase 1 (soluble)	487	141
ENSDART000000016894	similar to endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor 7	487	127
ENSDART000000000198	si:rp71-1n7.1	487	44
ENSDART000000104915	wingless-type MMTV integration site family, member 7Bb	485	139
ENSDART000000035702	ENSDARG00000021611	483	47
ENSDART000000103320	delta-like 4 (Drosophila)	483	133
ENSDART000000057736	complement component 8, beta polypeptide	483	53
ENSDART000000081233	similar to cut-like homeobox 2	482	133
ENSDART000000087441	similar to Glucose-fructose oxidoreductase domain-containing protein 1	482	75
ENSDART000000075627	novel protein similar to LAG1 homolog, ceramide synthase family	481	144
ENSDART000000104203	zgc:92035	481	32
ENSDART000000043479	si:dkey-21e2.15; similar to Natural killer cell protease 1 precursor (RNKP-1) (Granzyme B); similar to Granzyme-like 1	480	101
ENSDART000000112349	phospholipase C, delta 1a	480	33
ENSDART000000077745	zona pellucida glycoprotein 2, like 1	480	104
ENSDART000000098368	novel protein similar to mucosa associated lymphoid tissue lymphoma translocation gene 1 (malt1)	480	93
ENSDART000000113670	cell adhesion molecule 1a	480	76
ENSDART000000067134	methionine sulfoxide reductase B3	480	85
ENSDART000000034849	glutamate receptor, ionotropic, N-methyl D-aspartate 1b	479	115
ENSDART000000016181	N-myc downstream regulated family member 3a	478	147
ENSDART000000104343	phosphodiesterase 10A	477	89
ENSDART000000079457	zgc:162722	477	112
ENSDART000000075432	similar to KIAA0239	476	130
ENSDART000000047740	WD repeat domain 32	476	137
ENSDART000000083554	calcium/calmodulin-dependent serine protein kinase b; calcium/calmodulin-dependent serine protein kinase	476	109
ENSDART000000085512	hypothetical LOC561164	475	38
ENSDART000000103253	bone morphogenetic protein 8	475	137
ENSDART000000082325	zgc:85939	474	91
ENSDART000000080005	integrin, beta 5	474	124
ENSDART000000002233	ENSDARG00000016923	473	35
ENSDART000000079322	ENSDARG00000056781	472	96
ENSDART000000023794	thymidine kinase 1, soluble	472	78
ENSDART000000108888	ENSDARG00000060980	472	53
ENSDART000000054877	fibroblast growth factor 24	471	63
ENSDART000000081823	similar to Fbxw17 protein; zgc:171857	470	65
ENSDART000000003698	ENSDARG00000008350	469	138
ENSDART000000051694	exostoses (multiple) 1c	468	88
ENSDART000000063264	hypothetical LOC100005862; zgc:136911	468	35
ENSDART000000074385	similar to Anionic trypsin-1 precursor (Anionic trypsin I) (Pretrypsinogen I) (Serine protease 1)	467	133
ENSDART000000101004	novel collagen protein	466	75
ENSDART000000111788	ENSDARG00000074427	465	84
ENSDART000000080338	zgc:101746	465	154
ENSDART000000058418	similar to GTPase, IMAP family member 8	464	37
ENSDART000000104659	secretion regulating guanine nucleotide exchange factor; similar to Sergef protein	464	120
ENSDART000000090907	novel protein similar to vertebrate diacylglycerol kinase, beta 90kDa (DGKB)	464	129
ENSDART000000053426	profilin 2 like	462	86
ENSDART000000084553	similar to guanine nucleotide exchange factor p532	462	77
ENSDART000000089543	similar to ABI gene family, member 3 (NESH) binding protein	462	62
ENSDART000000031195	zgc:112352	461	120
ENSDART000000114726	ENSDARG000000059784	460	77
ENSDART000000067764	zgc:158623	460	55
ENSDART000000021916	similar to UII beta precursor; urotensin 2, beta	460	93
ENSDART000000105597	si:ch211-129c2.1	459	137
ENSDART000000098911	hypothetical LOC561486; si:ch211-181p1.2	459	102
ENSDART000000088293	si:dkey-149j18.1	458	67
ENSDART000000064958	ENSDARG00000013570	457	87
ENSDART000000103934	tocopherol (alpha) transfer protein-like	457	133

Periderm-enriched profile

ENSDART00000101026	flavoprotein oxidoreductase MICAL3	456	135
ENSDART00000104453	similar to prostatin	456	129
ENSDART00000113572	ENSDARG00000074227	456	104
ENSDART00000078065	coagulation factor V	456	128
ENSDART00000101030	similar to adenylate cyclase 9; novel protein similar to H.sapiens ACDY9, adenylate cyclase 9 (ACDY9)	456	102
ENSDART00000075331	insulinoma-associated 1b	455	122
ENSDART00000106025	hypothetical protein FLJ11011-like (H. sapiens)	455	137
ENSDART00000026292	tubulin, alpha 7 like	454	111
ENSDART00000100699	BCL2 binding component 3	454	121
ENSDART00000066587	similar to kelch-like 14	454	102
ENSDART00000078163	transmembrane protein 115	453	67
ENSDART00000110901	receptor-interacting serine-threonine kinase 2	452	135
ENSDART00000091397	si:ch211-155m12.3	451	53
ENSDART00000112593	ENSDARG00000079545	451	88
ENSDART00000081743	G protein-coupled receptor kinase 1 a	449	87
ENSDART00000102708	similar to nuclear transcription factor Y, gamma; nuclear transcription factor Y, gamma; si:ch211-13c6.2; si:ch211-13	449	106
ENSDART00000064387	similar to Prolyl endopeptidase (Post-proline cleaving enzyme) (PE)	449	125
ENSDART00000051724	ENSDARG00000061081	448	81
ENSDART00000097991	fem-1 homolog a (C. elegans)	448	81
ENSDART00000114137	sb:cb1095	447	48
ENSDART00000067836	similar to Proteinase-activated receptor 3 precursor (PAR-3) (Thrombin receptor-like 2) (Coagulation factor II receptor	447	69
ENSDART00000042040	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2a	447	124
ENSDART00000104505	dual specificity phosphatase 7	446	119
ENSDART00000013581	HSPC049 protein-like	445	59
ENSDART00000016475	similar to LOC515212 protein	444	78
ENSDART00000066949	FYVE, RhoGEF and PH domain containing 6	444	56
ENSDART00000050303	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase 5)	443	67
ENSDART00000019785	similar to Amine sulfotransferase (Sulfotransferase 3A1) (SULT-X2)	443	45
ENSDART00000062841	ENSDARG00000004633	442	94
ENSDART00000056750	ENSDARG00000031658	442	124
ENSDART00000060011	oligodendrocyte lineage transcription factor 1	442	105
ENSDART00000021204	ENSDARG00000059202	441	127
ENSDART00000051232	ENSDARG00000035358	441	127
ENSDART00000044282	similar to hypoxia-inducible factor 1 alpha	440	115
ENSDART00000092500	serum/glucocorticoid regulated kinase 2	439	96
ENSDART00000051229	si:ch211-284e13.2	439	110
ENSDART00000113076	ENSDARG00000026613	439	132
ENSDART00000073689	ENSDARG00000051965	438	120
ENSDART00000039988	Ewing sarcoma breakpoint region 1b	437	138
ENSDART00000050037	cholinergic receptor, nicotinic, beta polypeptide 3b	437	122
ENSDART00000046098	phospholipase C, delta 1b	436	89
ENSDART00000002728	eukaryotic translation initiation factor 4E nuclear import factor 1	435	73
ENSDART00000082469	zgc:91960	434	69
ENSDART00000100500	mycbp associated protein	434	125
ENSDART00000067353	similar to Casitas B-lineage lymphoma-like 1	434	62
ENSDART00000022481	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	432	97
ENSDART00000056804	ENSDARG00000038912	432	111
ENSDART00000013063	novel protein similar to vertebrate DEAH (Asp-Glu-Ala-His) box polypeptide 33 (DHX33)	432	92
ENSDART00000018348	similar to 5-hydroxytryptamine receptor 1E (5-HT-1E) (Serotonin receptor 1E) (5-HT1E)	431	117
ENSDART00000110705	similar to Transmembrane protein C6orf137	431	115
ENSDART00000083100	similar to solute carrier organic anion transporter family, member 3A1	431	124
ENSDART00000082453	cadherin, EGF LAG seven-pass G-type receptor 2	431	41
ENSDART00000111275	ENSDARG00000077496	431	99
ENSDART00000104629	furin-like; furin (paired basic amino acid cleaving enzyme) b	431	127
ENSDART00000113606	ENSDARG00000076159	429	89
ENSDART00000092729	wingless-type MMTV integration site family, member 9A	429	135
ENSDART00000033844	ENSDARG00000021720	427	131
ENSDART00000104921	similar to NLR family, CARD domain containing 3	427	61
ENSDART00000074097	hypothetical protein LOC553473	426	49
ENSDART00000062885	oxytocin-like	425	91
ENSDART00000089207	CDK5 and ABL1 enzyme substrate 1	425	126
ENSDART00000074189	similar to cathepsin Z cysteine protease	425	139
ENSDART00000047503	ubiquitin specific peptidase 36	424	113
ENSDART00000088177	zgc:158271	423	99
ENSDART00000105241	neurotrophin 7	423	97
ENSDART00000066946	transmembrane and coiled-coil domain family 3	422	133
ENSDART00000100798	ENSDARG00000069331	421	87
ENSDART00000099044	ENSDARG00000068468	421	102
ENSDART00000108541	ENSDARG00000075545	421	118
ENSDART00000053571	zgc:100911	420	119
ENSDART00000064603	phosphatidic acid phosphatase type 2 domain containing 1B	420	77
ENSDART00000011893	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O, a	420	96
ENSDART00000104716	amiloride-sensitive cation channel 4 b	419	102
ENSDART00000092579	similar to zinc finger protein 462	419	81
ENSDART00000102548	ENSDARG00000070073	417	133
ENSDART00000035428	hydroxyacid oxidase 2 (long chain); hypothetical protein LOC100147958	417	49
ENSDART00000062421	ring finger protein 144ab	416	77
ENSDART00000088569	nyctalopin	416	81
ENSDART00000041677	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2; zgc:15860	415	118
ENSDART00000003775	similar to rCG55704	415	95
ENSDART00000074638	similar to ankyrin repeat domain 11; zgc:113046	415	51
ENSDART00000106367	hypothetical protein LOC100006474; hypothetical LOC792855; zgc:171318; similar to Zinc finger protein 658; zgc:16	415	136
ENSDART00000090334	si:dkey-246a16.3	415	123
ENSDART00000110411	zgc:162213; similar to ceramide kinase-like protein	414	127
ENSDART00000103350	numb homolog (Drosophila)	414	68
ENSDART00000101753	ENSDARG00000069755	414	127
ENSDART00000112574	ENSDARG00000074464	414	96
ENSDART00000085888	similar to tripartite motif-containing 8; si:ch211-208d15.5	414	77
ENSDART00000100630	si:ch73-131e21.7	413	86
ENSDART00000046394	si:dkey-21e2.15; similar to Natural killer cell protease 1 precursor (RNKP-1) (Granzyme B); similar to Granzyme-like 1	413	94
ENSDART00000090079	si:dkey-25f3.3	413	91
ENSDART00000081490	similar to thyrotropin-releasing hormone receptor 3	410	96
ENSDART00000065006	WD repeat domain containing 82	410	102
ENSDART00000114544	hypothetical LOC559027	408	91
ENSDART00000055779	zgc:92115	408	135
ENSDART00000053871	desert hedgehog	408	72
ENSDART00000063512	tumor necrosis factor, alpha-induced protein 8	408	111

Periderm-enriched profile

ENSDART00000081949	LATS, large tumor suppressor, homolog 1 (Drosophila)	408	95
ENSDART00000035676	BCL2/adenovirus E1B interacting protein 3-like, 2	408	132
ENSDART00000019353	zgc:91887	408	30
ENSDART00000091597	similar to Integrin alpha-2 precursor (Platelet membrane glycoprotein Ia) (GPIa) (Collagen receptor) (VLA-2 alpha cha	407	90
ENSDART00000108906	ENSDARG00000078041	407	103
ENSDART00000033630	novel protein similar to vertebrate oxysterol binding protein (OSBP)	406	103
ENSDART00000090346	similar to GPI inositol-deacylase (Post-GPI attachment to proteins factor 1)	405	74
ENSDART00000097473	wu:fi18h02	405	79
ENSDART00000077439	similar to potassium channel, subfamily K, member 2	405	57
ENSDART00000087823	novel protein similar to vertebrate adenylate cyclase 8 (brain) (ADCY8)	403	81
ENSDART00000003907	similar to putative odorant receptor; similar to vomeronasal 2, receptor, 2-like 3	403	104
ENSDART00000045866	si:dkey-31f5.7	403	111
ENSDART00000045639	si:dkey-202b22.4	402	75
ENSDART00000114609	similar to CUB domain containing protein 2	402	82
ENSDART00000045303	si:ch211-231a1.6	402	120
ENSDART00000033386	zgc:113651	401	67
ENSDART00000098401	zgc:153398	401	47
ENSDART00000091360	zgc:158393	401	89
ENSDART00000032992	similar to arylsulfatase D	401	82
ENSDART00000090280	zgc:153901	401	112
ENSDART00000115082	zgc:194839	401	58
ENSDART00000040147	mitogen-activated protein kinase 14b	401	112
ENSDART00000057067	tyrosinase	400	87
ENSDART00000052078	similar to Dre1 protein	400	106
ENSDART00000103347	similar to Probable ergosterol biosynthetic protein 28	400	132
ENSDART00000109588	retinol binding protein 4, plasma	400	112
ENSDART00000065012	ENSDARG00000021982	399	92
ENSDART00000061413	si:ch211-245h14.2	399	98
ENSDART00000032246	ENSDARG00000023236	399	108
ENSDART00000080969	tripartite motif-containing 55b	398	113
ENSDART00000078795	S-adenosylhomocysteine hydrolase-like 1	398	95
ENSDART00000056536	telomerase-associated protein 1	398	82
ENSDART00000034619	ENSDARG00000056757	397	61
ENSDART00000042501	similar to 5-hydroxytryptamine 1D receptor; 5-hydroxytryptamine (serotonin) receptor 1bd	397	106
ENSDART00000040704	similar to KARP-1-binding protein 1 (KAB1)	397	86
ENSDART00000080426	transformed 3T3 cell double minute 1 homolog (mouse)	397	59
ENSDART00000100097	dehydrogenase/reductase (SDR family) member 11a	397	123
ENSDART00000012580	similar to norepinephrine transporter	396	117
ENSDART00000053878	IKAROS family zinc finger 4	396	52
ENSDART00000093365	ENSDARG00000069765	396	103
ENSDART00000092787	RAB43, member RAS oncogene family; zgc:153726	396	131
ENSDART00000101707	similar to DEAH (Asp-Glu-Ala-His) box polypeptide 40	395	127
ENSDART00000099570	hypothetical protein LOC795590	395	65
ENSDART00000085087	zgc:153386	394	114
ENSDART00000078049	zgc:194812	394	50
ENSDART00000102322	si:dkey-114f6.1	394	110
ENSDART00000078245	similar to Kv3.3 potassium channel subunit	394	67
ENSDART00000108685	si:ch211-250e5.16	394	40
ENSDART00000098691	zgc:114095	393	109
ENSDART00000045433	eyes absent homolog 4 (Drosophila)	393	131
ENSDART00000088208	ENSDARG00000029146	393	82
ENSDART00000016887	si:dkey-183c2.4; si:ch211-127b11.1	393	98
ENSDART00000085678	ENSDARG00000041304	392	101
ENSDART00000102003	similar to Tyrosine-protein kinase Tec	391	72
ENSDART00000078399	novel protein similar to vertebrate granzyme family	390	88
ENSDART00000078767	ENSDARG00000009217	390	80
ENSDART00000082012	si:ch211-39e15.2	390	109
ENSDART00000046599	im:7158796	390	101
ENSDART00000099748	hypothetical protein LOC100149617; nucleosome assembly protein 1-like 4b	389	109
ENSDART00000112398	trk-fused gene	388	98
ENSDART00000111361	ENSDARG00000079218	388	46
ENSDART00000087610	similar to Rho guanine nucleotide exchange factor 12 (Leukemia-associated RhoGEF)	387	104
ENSDART00000076469	similar to adaptor-related protein complex 2, alpha 1 subunit	386	62
ENSDART00000089030	myosin VB	386	102
ENSDART00000051622	melatonin receptor 1C	385	127
ENSDART00000007247	occludin b	385	98
ENSDART00000049252	hypothetical protein LOC100147959; zgc:109967	384	116
ENSDART00000059179	ENSDARG00000040430	384	67
ENSDART00000076481	im:7147183	384	77
ENSDART00000099870	cytochrome P450, family 1, subfamily B, polypeptide 1	384	75
ENSDART00000047834	neuroblastoma amplified sequence	384	72
ENSDART00000085724	ENSDARG00000060675	384	88
ENSDART00000080490	similar to peroxidase	384	107
ENSDART00000081510	zgc:92761	384	118
ENSDART00000042259	citrate lyase beta-like	384	96
ENSDART00000032212	similar to Tyrosine-protein kinase FRK (FYN-related kinase) (Nuclear tyrosine protein kinase RAK)	383	89
ENSDART00000087118	similar to protein-O-xylosyltransferase IB	382	81
ENSDART00000100020	groucho 1	382	90
ENSDART00000081220	si:rp71-1f1.8	382	91
ENSDART00000074199	similar to calcium channel, voltage-dependent, gamma subunit 1	382	87
ENSDART00000087763	nasal embryonic LHRF factor	382	94
ENSDART00000034638	zgc:63962	382	105
ENSDART00000018934	novel protein similar to vertebrate phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Dros	382	118
ENSDART00000004483	zgc:162969	381	99
ENSDART00000075796	septin 4b	381	123
ENSDART00000049384	regucalcin; similar to regucalcin	381	40
ENSDART00000074083	similar to Rab1-prov protein	381	92
ENSDART00000085216	si:ch211-51h13.1	381	65
ENSDART00000098489	si:ch211-14c7.2; hypothetical protein LOC100148665	380	103
ENSDART00000011416	ENSDARG00000013892	380	119
ENSDART00000062930	zgc:110459	379	103
ENSDART00000023562	similar to Synaptotagmin-2 (Synaptotagmin II) (SytII)	379	89
ENSDART00000099226	hypothetical LOC793487; hypothetical LOC561205; hypothetical LOC793741; si:ch211-80j13.1; hypothetical LOC100	379	125
ENSDART00000089765	similar to Rho GTPase-activating protein 17 (Rho-type GTPase-activating protein 17) (Neuron-associated development	379	102
ENSDART00000103325	similar to Serine/threonine-protein kinase Pim-3; hypothetical protein LOC100149825	378	88
ENSDART00000105124	ENSDARG00000074115	377	77
ENSDART00000055619	zgc:123224	377	112

Periderm-enriched profile

ENSDART00000088460	novel GTPase activating protein	376	99
ENSDART00000085325	ENSDARG00000060507	376	82
ENSDART00000063944	zgc:77655	376	73
ENSDART00000075808	ENSDARG00000053771	375	76
ENSDART00000060962	novel protein similar to vertebrate pim oncogene family; si:ch211-215m21.14; si:ch211-215m21.13; si:ch211-220i15	375	100
ENSDART00000091828	similar to spectrin repeat containing, nuclear envelope 1	373	97
ENSDART00000047936	similar to WAS protein family, member 3	373	55
ENSDART00000108911	similar to modular domain immune-type receptor 3	373	95
ENSDART00000016983	spondin 1a	373	90
ENSDART00000058324	zgc:113320	373	109
ENSDART00000060483	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	373	87
ENSDART00000054452	similar to Disks large-associated protein 1 (DAP-1) (Guanylate kinase-associated protein) (hGKAP) (SAP90/PSD-95-as	372	113
ENSDART00000097757	upf1 regulator of nonsense transcripts homolog (yeast)	372	83
ENSDART00000106432	zgc:173480	372	116
ENSDART00000105048	similar to zinc finger protein 629	372	119
ENSDART00000098687	similar to growth factor receptor-bound protein 14	372	121
ENSDART00000010378	myosin IIIB	372	64
ENSDART00000062138	zgc:110298	371	109
ENSDART00000092373	myosin, heavy chain 9, non-muscle like-1	371	101
ENSDART00000092983	similar to MYC-associated zinc finger protein	371	101
ENSDART00000082377	ENSDARG00000063362	371	77
ENSDART00000015117	zgc:91918	371	113
ENSDART00000100479	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	371	115
ENSDART00000090790	cell adhesion molecule 2b	370	110
ENSDART00000115052	ENSDARG00000074685	370	62
ENSDART00000042875	similar to calcium transporter 2	370	75
ENSDART00000005667	glutamic pyruvate transaminase (alanine aminotransferase) 2, like	370	70
ENSDART00000006580	similar to Transcription factor EB	369	64
ENSDART00000010452	zgc:91860	369	44
ENSDART00000038748	similar to Dual specificity tyrosine-phosphorylation-regulated kinase 1A (Protein kinase minibrain homolog) (MNBH) (F	369	109
ENSDART00000052097	zgc:92739	368	86
ENSDART00000111989	ENSDARG00000075922	368	81
ENSDART00000009356	protein phosphatase 2, regulatory subunit B', epsilon isoform a; protein phosphatase 2, regulatory subunit B', epsilon	367	99
ENSDART00000088890	similar to Probable phospholipid-transporting ATPase ID (ATPase class I type 8B member 2)	367	75
ENSDART00000055295	zgc:112484; hypothetical LOC791527	367	48
ENSDART00000063624	neuropeptide Y receptor Y4	367	58
ENSDART00000078447	tumor protein p63 regulated 1	366	74
ENSDART00000092094	similar to Uncharacterized protein C10orf30	365	105
ENSDART00000085319	novel protein similar to H.sapiens son of sevenless homolog	365	76
ENSDART00000059046	similar to PR domain containing 10; PR domain containing 10	365	120
ENSDART00000075241	si:ch73-314g15.3	365	98
ENSDART00000067708	solute carrier family 27 (fatty acid transporter), member 6	364	107
ENSDART00000034441	zgc:73347	364	85
ENSDART00000079393	similar to Serine/threonine-protein kinase Pim-3	364	61
ENSDART00000103833	zgc:175226	364	63
ENSDART00000063857	si:ch211-184m19.2	364	89
ENSDART00000062995	insulin-like growth factor 3	363	105
ENSDART00000033528	similar to Tumor necrosis factor, alpha-induced protein 3 (Putative DNA-binding protein A20) (Zinc finger protein A20)	362	28
ENSDART00000102696	ENSDARG00000070145	362	108
ENSDART00000101809	crystallin, gamma M2d2; crvstallin, gamma M2d1; zgc:171792; crystallin, gamma M2d8; crystallin, gamma M2d4; hv	361	118
ENSDART00000065423	si:ch211-126j24.1	361	117
ENSDART00000092131	similar to Sodium- and chloride-dependent creatine transporter 1 (CT1) (Creatine transporter 1) (Solute carrier family	361	108
ENSDART00000060764	sprouty-related, EVH1 domain containing 1	361	65
ENSDART00000044425	ENSDARG00000010940	360	47
ENSDART00000104593	similar to tripartite motif protein 35	360	45
ENSDART00000054105	KIAA0947-like (H. sapiens)	360	107
ENSDART00000089173	similar to Probable phospholipid-transporting ATPase ID (ATPase class I type 8B member 2)	360	95
ENSDART00000055833	similar to Wnt6	360	83
ENSDART00000080770	TATA element modulatory factor 1	360	118
ENSDART00000005112	si:dkeyp-34c12.1	360	113
ENSDART00000074157	ENSDARG00000052327	360	80
ENSDART00000113553	ENSDARG00000077787	359	54
ENSDART00000112576	ENSDARG00000076071	359	69
ENSDART00000092988	novel protein similar to vertebrate potassium channel, subfamily K, member 9 (KCNK9)	359	85
ENSDART00000109420	Kv channel interacting protein 1 b	359	93
ENSDART00000082046	neurotrophin 3	359	91
ENSDART00000020638	zgc:100963	359	105
ENSDART00000055336	DENN/MADD domain containing 1A	358	38
ENSDART00000057567	si:ch211-240i19.5	358	76
ENSDART00000008336	ENSDARG00000021820	358	55
ENSDART00000088011	transmembrane protein 2	358	99
ENSDART00000039878	SAP30 binding protein	357	88
ENSDART00000013605	zgc:158317; hypothetical protein LOC100151514	357	74
ENSDART00000024806	sp9 transcription factor	357	57
ENSDART00000025781	ENSDARG00000016310	356	107
ENSDART00000034184	si:dkeyp-93d12.1; similar to Tudor domain-containing protein 6 (Antigen NY-CO-45) (Cancer/testis antigen 41.2) (CT	356	92
ENSDART00000083537	family with sequence similarity 134, member C	356	63
ENSDART00000079832	tryptophan hydroxylase 2 (tryptophan 5-monoxygenase)	356	117
ENSDART00000053641	zgc:123347	356	75
ENSDART00000093427	pde11a	356	108
ENSDART00000102295	alcohol dehydrogenase 8a; alcohol dehydrogenase 8b	355	118
ENSDART00000017735	si:ch211-200p13.4	355	115
ENSDART00000099604	zgc:172059	355	84
ENSDART00000034745	zgc:172124	354	108
ENSDART00000104107	zgc:173544; hypothetical LOC794329	354	54
ENSDART00000084850	si:ch211-152c12.2	354	63
ENSDART00000081328	zgc:101876	354	68
ENSDART00000091468	furin (paired basic amino acid cleaving enzyme) a	354	90
ENSDART00000058388	similar to Discoidin, CUB and LCCL domain-containing protein 1	353	99
ENSDART00000042767	ENSDARG00000004445	353	38
ENSDART00000053527	solute carrier family 34 (sodium phosphate), member 2b	353	68
ENSDART00000061989	zgc:101575	352	77
ENSDART00000056254	semaphorin 4e; signal transducing adaptor family member 2a	352	105
ENSDART00000099074	similar to cytochrome P450	352	47
ENSDART00000078271	zgc:85981	352	67
ENSDART00000031412	si:dkeyp-14a7.4	351	84
ENSDART00000110152	colony stimulating factor 1a (macrophage)	351	86

Periderm-enriched profile

ENSDART00000085676	similar to calsyntenin 2	350	102
ENSDART00000083473	similar to transient receptor potential cation channel, subfamily M, member 5	349	91
ENSDART00000038924	sulfotransferase family 1, cytosolic sulfotransferase 1	349	109
ENSDART00000027026	alpha-1-microglobulin/bikunin precursor, like	349	69
ENSDART00000081269	zgc:66052	349	59
ENSDART00000053463	monoglyceride lipase	349	94
ENSDART00000059193	protogenin homolog b (Gallus gallus)	349	65
ENSDART00000044126	ENSDARG00000020655	348	112
ENSDART00000007624	ENSDARG00000059960	348	72
ENSDART00000101637	zgc:154038; hypothetical LOC791938	348	84
ENSDART00000089015	similar to Zinc finger and BTB domain containing protein 7 (Leukemia/lymphoma related factor) (Factor that binds to i	347	104
ENSDART00000019392	zgc:76925	347	77
ENSDART00000110541	similar to transmembrane protein 90A	346	27
ENSDART00000098580	zgc:136906	346	93
ENSDART00000023971	solute carrier family 5 (sodium iodide symporter), member 5	346	70
ENSDART00000022270	ENSDARG00000011333	346	111
ENSDART00000082250	zgc:136930	345	107
ENSDART00000106318	ENSDARG00000071745	345	34
ENSDART00000083591	similar to potassium inwardly-rectifying channel subfamily J member 12	345	72
ENSDART00000015801	novel protein similar to mouse and human discoidin, CUB and LCCL domain containing	345	87
ENSDART00000058643	zinc finger protein 750	344	47
ENSDART00000039616	low density lipoprotein receptor-related protein 11	344	68
ENSDART00000112154	ENSDARG00000078809	343	92
ENSDART00000065119	similar to N-acetylglucosamine-6-O-sulfotransferase	343	102
ENSDART00000060944	mitochondrial ribosomal protein L39	343	106
ENSDART00000036374	ENSDARG00000077873	343	100
ENSDART00000102651	nucleolar and coiled-body phosphoprotein 1-like; similar to Nucleolar phosphoprotein p130 (Nucleolar 130 kDa protein	342	60
ENSDART00000076845	Fraser syndrome 1	341	102
ENSDART00000079534	similar to 5-hydroxytryptamine receptor 7	341	63
ENSDART00000016586	regulator of G-protein signaling 5	341	46
ENSDART00000099599	zgc:162977	341	57
ENSDART00000082296	prostaglandin E receptor 4 (subtype EP4) a	341	97
ENSDART00000089274	mitogen-activated protein kinase kinase kinase 7 interacting protein 3 like	340	41
ENSDART00000099366	ENSDARG00000076998	339	79
ENSDART00000075982	ankyrin repeat domain 55	339	100
ENSDART00000051972	granulin 1	339	86
ENSDART00000064752	ENSDARG00000017391	339	66
ENSDART00000099055	similar to cold shock domain containing C2, RNA binding	339	80
ENSDART00000074217	anoctamin 1, calcium activated chloride channel	339	48
ENSDART00000090370	zgc:152911	338	46
ENSDART00000076693	STAM binding protein	338	104
ENSDART00000063047	similar to PTK6 protein tyrosine kinase 6	338	68
ENSDART00000077447	zgc:110410	338	69
ENSDART00000079321	autoimmune regulator	338	44
ENSDART00000078672	gonadotropin-releasing hormone 3	338	64
ENSDART00000075905	zgc:55701	337	64
ENSDART00000005105	proteasome activator subunit 1	337	63
ENSDART00000056884	similar to C-C chemokine receptor type 6 (C-C CKR-6) (CC-CKR-6) (CCR-6) (LARC receptor) (GPR-CY4) (GPCRY4) (Ch	337	55
ENSDART00000092011	ENSDARG00000063140	337	52
ENSDART00000044504	zgc:109965	337	77
ENSDART00000026280	pleckstrin 2	337	34
ENSDART00000027174	ENSDARG00000006169	336	86
ENSDART00000104866	similar to L-lactate dehydrogenase B chain (LDH-B) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-4f	336	76
ENSDART00000086976	similar to adenomatosis polyposis coli down-regulated 1	336	85
ENSDART00000026903	protein tyrosine phosphatase, receptor type, A	336	105
ENSDART00000076269	ENSDARG00000054136	336	82
ENSDART00000047929	si:ch211-214j24.8	335	100
ENSDART00000110353	similar to SAM and SH3 domain-containing protein 1 (Proline-glutamate repeat-containing protein)	335	84
ENSDART00000067530	zgc:136569	335	54
ENSDART00000105917	zgc:158663	334	95
ENSDART000000005218	cat eye syndrome chromosome region, candidate 1b	334	70
ENSDART00000050403	Rho GTPase activating protein 12a	334	63
ENSDART00000105614	si:ch211-195i21.1	334	93
ENSDART00000024076	hypothetical LOC791683; secretory carrier membrane protein 2, like	333	58
ENSDART00000063938	similar to syntrophin-associated serine/threonine kinase SAST170	333	101
ENSDART00000110352	zgc:112172	333	57
ENSDART00000112949	solute carrier family 31 (copper transporters), member 1	333	100
ENSDART00000057735	complement component 8, alpha polypeptide	332	54
ENSDART00000090397	hypothetical LOC566592	332	92
ENSDART00000009500	allograft inflammatory factor 1-like	331	49
ENSDART00000033404	similar to opsin 5	331	73
ENSDART00000080768	dipeptidyl-peptidase 6	331	96
ENSDART00000057224	ENSDARG00000039164	331	36
ENSDART00000099863	solute carrier family 25, member 37	331	65
ENSDART00000089965	transmembrane protein 167A	331	55
ENSDART00000085736	similar to perforin	331	85
ENSDART00000079003	zgc:136389; similar to Serum amyloid P-component precursor (SAP); hypothetical LOC792236; zgc:152809; si:ch211	330	97
ENSDART00000109980	zgc:165522	330	71
ENSDART00000111691	muscleblind-like 3 (Drosophila)	330	83
ENSDART00000099209	ENSDARG00000068571	329	74
ENSDART000000033970	hypothetical protein LOC407625	329	70
ENSDART00000099785	myosin binding protein C, cardiac; hypothetical protein LOC100149567	329	107
ENSDART00000065881	similar to UPF0318 protein FAM120C	329	55
ENSDART00000099302	similar to tripartite motif protein 25; finTRIM family, member 72	329	94
ENSDART00000087867	zgc:158624	328	75
ENSDART00000104639	similar to glucagon receptor	328	61
ENSDART00000052115	ENSDARG00000077763	328	69
ENSDART00000106513	adenosine deaminase, RNA-specific, B2 (RED2 homolog rat)	328	86
ENSDART00000076575	ras homolog gene family, member F	327	49
ENSDART00000076317	zgc:171544	327	72
ENSDART00000009586	ENSDARG00000054200	327	92
ENSDART00000090727	ENSDARG00000062632	327	106
ENSDART00000075990	hypothetical protein LOC792482	327	53
ENSDART00000023809	si:ch211-13n20.2	327	45
ENSDART00000032123	similar to zinc finger protein 537	327	51
ENSDART00000083447	ENSDARG00000075451	327	108
ENSDART00000009892	gamma-aminobutyric acid (GABA) B receptor, 1	326	61

Periderm-enriched profile

ENSDART0000006423	si:dkey-164k19.1	326	41
ENSDART00000084606	im:7156990	326	71
ENSDART00000008893	carbonic anhydrase XV a	326	50
ENSDART00000083976	SH2B adaptor protein 1	325	107
ENSDART00000099320	zgc:103654	325	75
ENSDART00000010732	ENSDARG00000010296	325	96
ENSDART00000084474	zgc:162264	324	91
ENSDART00000085351	similar to transient receptor potential cation channel, subfamily M, member 2	324	83
ENSDART00000087426	B-cell CLL/lymphoma 11A	324	101
ENSDART00000036266	hypothetical protein LOC100150467; zgc:113250	324	21
ENSDART00000050945	novel protein similar to H.sapiens LAYN, layilin (LAYN)	323	68
ENSDART000000113203	novel protein similar to vertebrate pim oncogene family; si:ch211-215m21.14; si:ch211-215m21.13; si:ch211-220i15	323	53
ENSDART000000100929	si:dkey-6e12.4	323	92
ENSDART000000100557	ENSDARG00000016337	322	53
ENSDART00000024312	2-deoxyribose-5-phosphate aldolase homolog (C. elegans)	322	87
ENSDART00000030030	ENSDARG00000027875	322	89
ENSDART00000074424	novel immune-type receptor 13	322	72
ENSDART000000113487	si:dkey-245p14.4	321	62
ENSDART000000104703	inositol(myo)-1(or 4)-monophosphatase 1; im:7144442	321	80
ENSDART00000036926	vang-like 1 (van gogh, Drosophila)	321	73
ENSDART00000033819	protein kinase C, delta	320	47
ENSDART000000104488	similar to trypsinogen 7	320	80
ENSDART000000100241	zgc:103585	320	31
ENSDART000000019104	fructose-1,6-bisphosphatase 2	320	63
ENSDART000000065889	wingless-type MMTV integration site family, member 7A	320	86
ENSDART00000048210	similar to creatine kinase, mitochondrial 2 (sarcomeric); creatine kinase, mitochondrial 2 (sarcomeric)	320	105
ENSDART00000066296	similar to pentraxin	320	40
ENSDART00000017774	similar to voltage-dependent calcium channel gamma-5 subunit	319	36
ENSDART000000100098	ENSDARG00000069026	319	73
ENSDART00000062603	cell adhesion molecule 1b	318	55
ENSDART000000100109	novel protein similar to vertebrate pim oncogene family; similar to Serine/threonine-protein kinase Pim-3	318	85
ENSDART000000102915	ENSDARG00000010632	317	64
ENSDART000000092977	hypothetical protein LOC100002227	317	83
ENSDART000000057986	tissue specific transplantation antigen P35B; zgc:100864	317	30
ENSDART000000886201	ENSDARG00000029482	317	105
ENSDART00000074888	ENSDARG00000074072	316	68
ENSDART00000048720	crystallin, beta A1a	316	57
ENSDART00000056278	similar to mitochondrial glutamate carrier 1	316	101
ENSDART000000108533	si:ch1073-126c3.2	316	76
ENSDART000000023058	EF-hand domain (C-terminal) containing 1	316	59
ENSDART00000049061	cyclin-dependent kinase inhibitor 1b, like	315	98
ENSDART000000100075	similar to transmembrane protein 184b	315	62
ENSDART000000077376	similar to ferric-chelate reductase 1	315	104
ENSDART00000065583	ENSDARG00000018782	315	74
ENSDART000000100311	IKAROS family zinc finger 2	315	48
ENSDART00000054959	similar to ubiquitin specific protease 34	315	98
ENSDART00000040410	tyrosine hydroxylase	315	61
ENSDART00000079212	polyhomeotic-like 2 (Drosophila)	314	66
ENSDART000000037740	similar to rCG61419	314	84
ENSDART000000097345	ENSDARG00000056394	314	104
ENSDART00000079504	ankyrin repeat and kinase domain containing 1	313	31
ENSDART000000092015	zgc:154031	313	76
ENSDART000000098151	ENSDARG00000002295	313	71
ENSDART00000086094	heart adaptor protein 1	313	93
ENSDART00000087454	grainyhead-like 1 (Drosophila)	313	77
ENSDART00000051616	novel protein similar to vertebrate aldehyde dehydrogenase 3 family	313	50
ENSDART000000104234	connexin 35	313	76
ENSDART000000115261	ENSDARG00000073759	313	99
ENSDART00000082127	similar to HEAT repeat containing 5B	313	82
ENSDART000000105504	si:dkey-78i4.10; si:dkey-78i4.12	312	62
ENSDART00000006482	transient receptor potential cation channel, subfamily C, member 4 associated protein b	312	90
ENSDART00000084525	im:6912105	312	72
ENSDART00000019667	ring finger protein 114	312	61
ENSDART000000103297	si:ch211-236j4.1	312	66
ENSDART000000102419	insulin-like growth factor 2 mRNA binding protein 2a	312	87
ENSDART00000019017	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	312	56
ENSDART00000006942	ENSDARG00000043249	311	77
ENSDART00000000838	solute carrier family 6 (neurotransmitter transporter, GABA), member 13 like	311	75
ENSDART000000093146	block of proliferation 1; si:ch211-251g8.2	311	77
ENSDART000000111672	ENSDARG00000055607	310	51
ENSDART00000099934	similar to voltage-gated potassium channel type 3	310	85
ENSDART00000021510	splA/ryanodine receptor domain and SOCS box containing 4a	310	60
ENSDART00000084675	novel protein similar to vertebrate WD repeat domain 44 (WDR44); si:ch211-1c14.1	310	93
ENSDART00000077125	amyloid beta (A4) precursor-like protein 2	310	80
ENSDART00000078300	zgc:110243	310	32
ENSDART00000064475	claudin 7	309	60
ENSDART00000002856	dopamine receptor D2 like	309	78
ENSDART00000097524	similar to WD repeat and FYVE domain-containing protein 3 (Autophagy-linked FYVE protein) (Alfy)	309	62
ENSDART00000007122	guanylate cyclase activator 1B	309	73
ENSDART000000104135	similar to Gamma-aminobutyric acid receptor subunit alpha-5 precursor (GABA(A) receptor subunit alpha-5)	308	96
ENSDART00000060455	si:dkey-241i7.1	308	70
ENSDART00000097685	similar to CG7509 CG7509-PA	308	67
ENSDART00000079106	novel protein similar to vertebrate pim family oncogene	308	71
ENSDART00000090000	similar to Uncharacterized protein KIAA1109 (Fragile site-associated protein homolog)	308	98
ENSDART000000091713	ENSDARG00000063022	308	97
ENSDART00000051719	matrilin 1	307	60
ENSDART000000114583	ENSDARG00000078697	307	33
ENSDART000000027250	hypothetical protein LOC100005704	306	62
ENSDART00000033072	enhancer of polycomb homolog 1 (Drosophila)	306	83
ENSDART000000015302	translocase of outer mitochondrial membrane 40 homolog (yeast)	306	55
ENSDART00000057846	hypothetical protein LOC100150861; similar to very large inducible GTPase 1	306	32
ENSDART00000077231	melanocortin 2 receptor	305	36
ENSDART00000029668	ENSDARG00000007398	305	96
ENSDART00000082467	hypothetical protein LOC100150263; polymerase I and transcript release factor	305	85
ENSDART00000010885	ENSDARG00000060357	305	67
ENSDART00000091894	similar to mannosidase, alpha, class 2A, member 2	305	39
ENSDART00000036979	EFR3 homolog A (S. cerevisiae)	304	38

Periderm-enriched profile

ENSDART0000054687	interleukin 1 receptor accessory protein-like 2	304	94
ENSDART0000084466	similar to GDH/6PGL endoplasmic bifunctional protein precursor	304	85
ENSDART00000100265	similar to Transmembrane protein 194	303	61
ENSDART0000066855	zgc:173439	303	85
ENSDART0000017467	aggrecan 1	303	77
ENSDART0000053921	solute carrier family 7 (cationic amino acid transporter, γ+ system), member 2	302	71
ENSDART0000098729	zgc:171509	302	69
ENSDART0000053754	hyaluronan synthase 2; similar to hyaluronan synthase 2	302	57
ENSDART00000105399	si:dkey-28h18.4	302	49
ENSDART00000113171	neuroigin 1	302	85
ENSDART0000035696	zgc:162320	301	36
ENSDART0000097618	hypothetical protein LOC798260	301	83
ENSDART0000089694	ENSDARG0000025920	301	98
ENSDART0000085668	similar to 5-AMP-activated protein kinase alpha-2 catalytic subunit	301	97
ENSDART0000010584	si:dkey-85n7.2	301	66
ENSDART0000087643	zgc:158349	301	66
ENSDART0000088842	discs, large (Drosophila) homolog-associated protein 1	300	72
ENSDART0000090446	si:ch211-218c6.1	300	75

**Supplemental Table S2: dnIrf6-inhibited profile****\*\*\*Expression value in control-injected embryos >299 and expression value in dnIrf6-injected embryos < expression value in control-injected embryos, adj. p<0.05**

ENSDART00000114970 zgc:171223  
 ENSDART00000067854 tumor necrosis factor, alpha-induced protein 8, like  
 ENSDART00000003929 midnolin  
 ENSDART00000099224 deltaD  
 ENSDART00000060150 gastrulation specific protein  
 ENSDART00000050906 leucine-rich repeats and WD repeat domain containing 1  
 ENSDART00000100817 ENSDARG00000069339  
 ENSDART00000065853 dehydrogenase/reductase (SDR family) member 3b  
 ENSDART00000022668 si:ch211-152c2.2  
 ENSDART00000021159 LIM homeobox 1b  
 ENSDART00000055241 periplakin  
 ENSDART00000008795 zgc:73377  
 ENSDART00000019196 lefty1  
 ENSDART00000112326 sc:d0144  
 ENSDART00000013972 similar to absent in melanoma 1-like  
 ENSDART00000080294 si:dkey-195c14.1  
 ENSDART00000023985 zgc:153952  
 ENSDART00000008115 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1  
 ENSDART00000113050 kin of IRRE like 3 (Drosophila)  
 ENSDART00000082085 gooseoid  
 ENSDART00000011627 iroquois homeobox protein 7  
 ENSDART00000079149 X-linked Kx blood group (McLeod syndrome)  
 ENSDART00000013798 nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha a  
 ENSDART00000025153 hypothetical protein LOC100151105; GATA-binding protein 3  
 ENSDART00000050914 zgc:136538; similar to draculin; similar to zinc finger protein 227; draculin  
 ENSDART00000039295 ENSDARG00000018186  
 ENSDART00000079884 novel protein similar to vertebrate arachidonate 5-lipoxygenase (ALOX5)  
 ENSDART00000052521 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1  
 ENSDART00000042683 similar to Ca2+-dependent secretion activator  
 ENSDART00000028673 lunatic fringe homolog  
 ENSDART00000063777 potassium inwardly-rectifying channel, subfamily J, member 13  
 ENSDART00000103355 ras homolog gene family, member V  
 ENSDART00000097684 neuro-oncological ventral antigen 2; neuro-oncological ventral antigen 1  
 ENSDART00000079114 similar to iroquois homeobox protein 1, b; iroquois homeobox protein 1, b; similar to Iroquois homeobox protein 1, b  
 ENSDART00000027666 nuclear receptor subfamily 2, group F, member 6b  
 ENSDART00000109423 hydroxysteroid (17-beta) dehydrogenase 12a  
 ENSDART00000080166 similar to RING finger protein 157  
 ENSDART00000088914 angiominin like 2  
 ENSDART00000057986 tissue specific transplantation antigen P35B; zgc:100864  
 ENSDART00000066946 transmembrane and coiled-coil domain family 3  
 ENSDART00000104448 si:ch211-262h13.3  
 ENSDART00000084868 sodium channel, voltage-gated, type IV, beta b  
 ENSDART00000103925 zgc:65781  
 ENSDART00000066835 frizzled homolog 8a  
 ENSDART00000105588 similar to protocadherin 1  
 ENSDART00000082097 similar to protease, serine, 35  
 ENSDART00000020750 keratin 18  
 ENSDART00000105168 si:ch211-133n4.4  
 ENSDART00000114314 transglutaminase 2b; similar to transglutaminase 2b; hypothetical protein LOC100149033  
 ENSDART00000106561 zgc:113886; similar to zinc finger protein 53; zgc:100951; zgc:173816; hypothetical LOC798798  
 ENSDART00000054472 tolloid-like 1; similar to Dorsal-ventral patterning tolloid-like protein 1 precursor (Mini fin protein)  
 ENSDART00000056850 zgc:163077  
 ENSDART00000101459 phosphorylase, glycogen (muscle) b  
 ENSDART00000078710 sortilin 1b  
 ENSDART00000023180 ephrin B2b  
 ENSDART00000087726 insulin-like growth factor 2 mRNA binding protein 1  
 ENSDART00000079401 similar to AHNK nucleoprotein  
 ENSDART00000100060 desmocollin 2 like  
 ENSDART00000081152 centrosomal protein 76  
 ENSDART00000099074 similar to cytochrome P450  
 ENSDART00000065819 chloride intracellular channel a  
 ENSDART00000079283 zgc:110069  
 ENSDART00000111524 fibroblast growth factor 3  
 ENSDART00000052366 CCAAT/enhancer binding protein (C/EBP), alpha  
 ENSDART0000008638 RGM domain family, member A  
 ENSDART00000006386 ATPase, Na+/K+ transporting, beta 1a polypeptide  
 ENSDART00000029630 fibroblast growth factor 17  
 ENSDART00000113993 ENSDARG00000078072  
 ENSDART00000102483 regulator of G-protein signalling 4  
 ENSDART00000025581 zgc:92106  
 ENSDART00000012672 calcium activated nucleotidase 1b  
 ENSDART00000105048 similar to zinc finger protein 629  
 ENSDART00000006870 prostaglandin-endoperoxide synthase 2a  
 ENSDART00000084667 similar to plasminogen related growth factor receptor 3  
 ENSDART00000011471 zgc:101565  
 ENSDART00000103640 hairy/enhancer-of-split related with YRPW motif 1  
 ENSDART00000010028 prostaglandin-endoperoxide synthase 2b  
 ENSDART00000077111 zgc:100900  
 ENSDART00000081484 zgc:66117  
 ENSDART00000051491 secreted frizzled-related protein 1a  
 ENSDART00000077853 hypermethylated in cancer 1  
 ENSDART00000038196 zgc:101640  
 ENSDART00000051804 zgc:85717  
 ENSDART00000062702 CCAAT/enhancer binding protein (C/EBP), beta  
 ENSDART00000087918 similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 3  
 ENSDART00000098246 si:dkey-7b17.2  
 ENSDART00000012120 acyl-CoA synthetase bubblegum family member 2  
 ENSDART00000084568 zgc:163027  
 ENSDART00000097210 reverse transcriptase; hypothetical protein LOC100148790; zgc:194878  
 ENSDART0000002685 nerve growth factor receptor (TNFR superfamily, member 16)  
 ENSDART0000003932 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog  
 ENSDART00000000187 cadherin EGF LAG seven-pass G-type receptor 1a; similar to SI:b26L08.1 (novel protein similar to human cadherin, EGF LAG seven-pass G-type receptor (CELSR))  
 ENSDART00000017402 zgc:92046  
 ENSDART00000081604 adiponectin receptor 2

ENSDART00000066934 inter-alpha (globulin) inhibitor H5  
 ENSDART00000105036 keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer  
 ENSDART00000105004 keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer  
 ENSDART00000105024 keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer  
 ENSDART00000091923 similar to solute carrier family 4, sodium bicarbonate cotransporter-like, member 10  
 ENSDART00000111842 sal-like 1a (Drosophila)  
 ENSDART00000105694 zgc:64213  
 ENSDART00000088531 ENSDARG00000061798  
 ENSDART00000089078 similar to Acetyl-CoA carboxylase 2 (ACC-beta)  
 ENSDART00000103385 solute carrier family 25 (mitochondrial carrier: glutamate), member 22  
 ENSDART00000036597 pleckstrin homology domain containing, family F (with FYVE domain) member 1  
 ENSDART00000135900 wingless-type MMTV integration site family, member 11  
 ENSDART00000039880 similar to transmembrane 9 superfamily member 2  
 ENSDART00000078885 similar to Hepatocyte nuclear factor 6 (HNF-6) (One cut domain family member 1)  
 ENSDART00000082425 GATA-binding protein 2a  
 ENSDART00000078983 coiled-coil domain containing 125; similar to Kenae  
 ENSDART00000087623 similar to UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2  
 ENSDART00000045018 pyrimidinergic receptor P2Y, G-protein coupled, 4-like; similar to pyrimidinergic receptor P2Y, G-protein coupled, 4-like  
 ENSDART00000048130 START domain containing 10  
 ENSDART00000052902 zgc:153917; similar to Centaurin-beta-1 (Cnt-b1) (ARFGAP with coiled-coil, ANK repeat and PH domain-containing protein 1) (ACAP1)  
 ENSDART00000065136 hypothetical protein LOC100149261  
 ENSDART00000088178 neurexin 1a  
 ENSDART00000114926 ENSDARG00000078666  
 ENSDART00000016758 si:dkey-252h13.6  
 ENSDART00000004120 ADAM metalloproteinase with thrombospondin type 1 motif, 18  
 ENSDART00000114563 transmembrane protein 129  
 ENSDART00000053531 solute carrier family 2 (facilitated glucose transporter), member 12  
 ENSDART00000088175 MARVEL domain containing 2b  
 ENSDART00000084321 dapper homolog 2, antagonist of beta-catenin (xenopus); hypothetical protein LOC100149774  
 ENSDART00000060861 forkhead box P2  
 ENSDART00000004964 NAD(P)H dehydrogenase, quinone 1  
 ENSDART00000056519 similar to Probable G-protein coupled receptor 160  
 ENSDART00000043902 adenosine A2a receptor a  
 ENSDART00000014296 forkhead box A2  
 ENSDART00000052512 heterogeneous nuclear ribonucleoprotein A0  
 ENSDART00000027701 type I cytokeratin; zgc:109868; si:dkeyp-113d7.4  
 ENSDART00000080744 SVOP-like  
 ENSDART00000013033 ETS-domain transcription factor pea3  
 ENSDART00000075617 SRY-box containing gene 3  
 ENSDART00000082453 cadherin, EGF LAG seven-pass G-type receptor 2  
 ENSDART00000082000 ENSDARG00000059002  
 ENSDART00000084378 crumbs homolog 2  
 ENSDART00000055754 hypothetical LOC565254  
 ENSDART00000106562 ENSDARG00000040144  
 ENSDART00000097533 WW domain containing transcription regulator 1  
 ENSDART00000079115 3'-phosphoadenosine 5'-phosphosulfate synthase 2  
 ENSDART00000080771 similar to solute carrier family 6, member 15  
 ENSDART00000079953 im:7149356  
 ENSDART00000011948 protocadherin 8  
 ENSDART00000016894 similar to endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor 7  
 ENSDART00000099870 cytochrome P450, family 1, subfamily B, polypeptide 1  
 ENSDART00000045574 shisa homolog 2 (Xenopus laevis)  
 ENSDART00000042441 one-eyed pinhead  
 ENSDART00000063325 hypothetical LOC791933; claudin f  
 ENSDART00000105808 zgc:92061  
 ENSDART00000105806 zgc:92061  
 ENSDART00000013638 cadherin 6  
 ENSDART00000101694 RELT tumor necrosis factor receptor  
 ENSDART00000059042 eph receptor B4a  
 ENSDART00000100818 hypothetical LOC798921  
 ENSDART00000079068 ankyrin repeat and SOCS box-containing 11  
 ENSDART00000074362 protocadherin 18b  
 ENSDART00000054801 UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 1  
 ENSDART00000067006 forkhead box B1.2  
 ENSDART0000010774 zic family member 2 (odd-paired homolog, Drosophila), a  
 ENSDART00000037894 zgc:55764  
 ENSDART00000100311 IKAROS family zinc finger 2  
 ENSDART00000063320 claudin e  
 ENSDART0000017456 ventral expressed homeobox  
 ENSDART00000102257 zgc:110251  
 ENSDART00000055766 zgc:113333  
 ENSDART00000088986 hypothetical protein LOC100149363; zgc:110324  
 ENSDART00000047418 notum 3  
 ENSDART00000036939 growth arrest and DNA-damage-inducible, beta  
 ENSDART00000075274 ENSDARG00000053272  
 ENSDART00000067131 high mobility group AT-hook 2; interleukin-1 receptor-associated kinase 3  
 ENSDART00000051526 zgc:110265  
 ENSDART00000063665 chemokine (C-X-C motif) receptor 7b  
 ENSDART00000051868 cyclin D1  
 ENSDART00000113801 zgc:193505  
 ENSDART00000006212 similar to lin-28 homolog  
 ENSDART00000112318 netrin 2  
 ENSDART00000012284 zgc:63546; cytochrome P450 CYP2AA3v1  
 ENSDART00000102888 similar to cyclin-dependent kinase 6; si:ch211-234f14.1  
 ENSDART00000059182 zgc:194733; cytochrome P450  
 ENSDART00000099214 solute carrier family 16 (monocarboxylic acid transporters), member 1  
 ENSDART00000024320 Y box binding protein 1  
 ENSDART00000020575 axin 2 (conductin, axil)  
 ENSDART00000069132 cytochrome b-245, beta polypeptide (chronic granulomatous disease)  
 ENSDART00000114092 novel rhamnose binding lectin; si:dkeyp-98a7.5; hypothetical LOC564145  
 ENSDART00000056398 hypothetical protein LOC100148421  
 ENSDART00000104319 similar to inositol 1,4,5-trisphosphate 3-kinase A; inositol 1,4,5-trisphosphate 3-kinase A  
 ENSDART00000063434 receptor-interacting serine-threonine kinase 4  
 ENSDART00000053797 zgc:55813  
 ENSDART00000045110 chordin  
 ENSDART00000067152 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2  
 ENSDART0000002965 ETS-related factor1  
 ENSDART00000013480 elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1a

ENSDART0000081327 keratin 5  
 ENSDART0000090727 ENSDARG0000062632  
 ENSDART0000062303 forkhead box D5  
 ENSDART0000110550 breast cancer anti-estrogen resistance 3  
 ENSDART0000101556 ArfGAP with SH3 domain, ankyrin repeat and PH domain 2b  
 ENSDART0000002682 neuroepithelial cell transforming gene 1  
 ENSDART0000056962 F-box protein 5  
 ENSDART0000114113 SRY-box containing gene 19a  
 ENSDART0000036801 similar to CG15438 CG15438-PA  
 ENSDART0000088213 zgc:56010  
 ENSDART0000074067 ENSDARG0000052240  
 ENSDART0000025428 eph-like receptor tyrosine kinase 6  
 ENSDART0000014149 similar to FAT tumor suppressor homolog 2; similar to FAT tumor suppressor homolog 2 (Drosophila)  
 ENSDART0000114948 sprouty homolog 2  
 ENSDART0000100772 zgc:103664  
 ENSDART0000012644 keratin 4  
 ENSDART0000052570 paired-like homeodomain transcription factor 2  
 ENSDART0000066622 similar to one cut domain, family member 2  
 ENSDART0000104713 zgc:92069  
 ENSDART0000031426 zgc:193698; similar to SKI-like  
 ENSDART0000029371 desmoplakin a  
 ENSDART0000093017 PERP, TP53 apoptosis effector  
 ENSDART0000112287 wu:fc51b03  
 ENSDART0000083495 similar to formin-like 1  
 ENSDART0000104493 SRY-box containing gene 2  
 ENSDART0000055325 proteasome (prosome, macropain) subunit, beta type, 7  
 ENSDART0000018514 deltaC  
 ENSDART0000025583 fibroblast growth factor 8 a  
 ENSDART0000109845 hypothetical LOC567472  
 ENSDART0000064678 lefty2  
 ENSDART0000104762 si:ch211-241j12.1; hypothetical protein LOC100149864  
 ENSDART0000038401 hypothetical protein LOC553515  
 ENSDART0000074100 zgc:56005  
 ENSDART0000056305 frizzled homolog 8b  
 ENSDART0000063107 cytochrome P450, family 2, subfamily J, polypeptide 24  
 ENSDART0000100667 nuclear oncoprotein skia  
 ENSDART0000114674 zgc:101867  
 ENSDART0000076974 glutamine-fructose-6-phosphate transaminase 2  
 ENSDART0000074455 ADP-ribosylation factor-like 13A  
 ENSDART0000032739 sprouty homolog 1 (Drosophila)  
 ENSDART0000025689 zgc:77799  
 ENSDART0000081309 cytochrome P450, family 27, subfamily C, polypeptide 1  
 ENSDART0000059654 hypothetical LOC558777  
 ENSDART0000023797 alkaline ceramidase 1  
 ENSDART0000056523 hexokinase domain containing 1  
 ENSDART0000052061 calponin 2  
 ENSDART000001102 si:ch211-214d15.1  
 ENSDART0000077189 immediate early response 5-like  
 ENSDART0000039280 similar to frizzled homolog 7b; frizzled homolog 7b; frizzled homolog 7a  
 ENSDART0000043312 splicing factor, arginine/serine-rich 5a  
 ENSDART0000027304 si:dkey-14d8.5  
 ENSDART0000063775 zgc:153665  
 ENSDART0000023519 ENSDARG0000003313  
 ENSDART0000059188 Kruppel-like factor 2b  
 ENSDART0000025451 zgc:55456  
 ENSDART0000016602 cadherin-like 23  
 ENSDART0000115255 ENSDARG0000079742  
 ENSDART0000074450 zgc:101052  
 ENSDART0000079514 ENSDARG0000044029  
 ENSDART0000061477 ENSDARG0000041947  
 ENSDART0000056987 MARCKS-like 1  
 ENSDART0000054877 fibroblast growth factor 24  
 ENSDART0000106652 ENSDARG00000071866  
 ENSDART0000097515 ENSDARG0000067706  
 ENSDART0000084859 similar to RAB GTPase activating protein 1-like  
 ENSDART0000066269 ADP-ribosylation factor-like 4D  
 ENSDART0000052441 catenin (cadherin-associated protein), alpha  
 ENSDART0000113431 ENSDARG0000069964  
 ENSDART0000063395 glycerol-3-phosphate dehydrogenase 1b  
 ENSDART0000051553 zinc finger protein 703  
 ENSDART0000112349 phospholipase C, delta 1a  
 ENSDART0000037891 dipeptidyl-peptidase 7  
 ENSDART0000100482 bone morphogenetic protein 2b  
 ENSDART0000016307 hairy-related 1  
 ENSDART0000087454 grainyhead-like 1 (Drosophila)  
 ENSDART0000080389 ENSDARG0000057664  
 ENSDART0000114539 zgc:174904; similar to C-type lectin domain family 4 member E (C-type lectin superfamily member 9) (Macrophage-inducible C-type lectin)  
 ENSDART000002954 similar to immunoglobulin superfamily, member 3; zgc:91849  
 ENSDART0000089117 hypothetical protein LOC10007078  
 ENSDART0000017695 forkhead box D3  
 ENSDART0000053264 apelin receptor b  
 ENSDART0000067478 zgc:136656  
 ENSDART0000080693 LIM homeobox 5  
 ENSDART0000082922 zgc:158868  
 ENSDART0000007732 calpain 9  
 ENSDART0000058831 trophoblast glycoprotein-like  
 ENSDART0000032827 zgc:162964  
 ENSDART0000012686 zgc:101000  
 ENSDART0000083515 novel protein similar to murine PDZ domain containing 3 (Pdzk3)  
 ENSDART0000091076 ENSDARG0000062750  
 ENSDART0000004233 aspartoacylase (aminocyclase) 3.2  
 ENSDART0000066789 STAR3 N-terminal like  
 ENSDART0000032212 similar to Tyrosine-protein kinase FRK (FYN-related kinase) (Nuclear tyrosine protein kinase RAK)  
 ENSDART0000101851 prickle homolog 1 (Drosophila) b  
 ENSDART0000064137 similar to novel 7 transmembrane receptor (metabotropic glutamate family) protein  
 ENSDART0000052385 tryptophan hydroxylase 1b  
 ENSDART0000090624 zgc:153784  
 ENSDART0000108802 zgc:110712

ENSDART00000066259 zgc:165664  
 ENSDART00000002842 zgc:110692  
 ENSDART00000104197 zgc:192870; zgc:91876  
 ENSDART00000057268 similar to cDNA sequence AK220484  
 ENSDART00000098010 prostaglandin E receptor 4 (subtype EP4) b  
 ENSDART00000110403 novel protein similar to H.sapiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 5  
 ENSDART00000076082 ENSDARG00000053973  
 ENSDART00000049863 si:ch211-238e6.5  
 ENSDART00000035967 bromodomain-containing 2a  
 ENSDART00000109928 similar to ATP-binding cassette, sub-family C, member 1  
 ENSDART00000101061 ENSDARG00000069434  
 ENSDART00000058643 zinc finger protein 750  
 ENSDART00000026448 si:ch211-157f15.1  
 ENSDART0000009500 allograft inflammatory factor 1-like  
 ENSDART00000103440 si:dkey-97m3.1  
 ENSDART00000098791 zgc:112012  
 ENSDART00000075785 zgc:110333; zgc:173444  
 ENSDART00000004361 similar to kruppel-like factor 5  
 ENSDART00000101204 neurolin-like cell adhesion molecule  
 ENSDART00000053463 monoglyceride lipase  
 ENSDART00000085724 ENSDARG00000060675  
 ENSDART00000101414 heterogeneous nuclear ribonucleoprotein D  
 ENSDART00000090984 similar to C25F9.2  
 ENSDART00000091519 similar to CAB2 protein; zgc:171485  
 ENSDART00000081215 keratin 8  
 ENSDART00000039204 tripartite motif-containing 25-like  
 ENSDART00000110267 zgc:153454; hypothetical protein LOC100148523; similar to mediator complex subunit 13  
 ENSDART00000103981 similar to chemokine (C-X-C motif) receptor 3.1  
 ENSDART00000044294 furry homolog b (Drosophila)  
 ENSDART0000010526 FAT tumor suppressor homolog 1  
 ENSDART00000077304 patched 1  
 ENSDART00000114372 zinc finger-like gene 1; similar to zinc finger-like gene 1  
 ENSDART00000114381 zinc finger-like gene 1; similar to zinc finger-like gene 1  
 ENSDART00000114863 zinc finger-like gene 1; similar to zinc finger-like gene 1  
 ENSDART00000057553 si:dkey-2411.8  
 ENSDART00000041852 wingless-type MMTV integration site family, member 5b  
 ENSDART00000109774 zgc:86915; zgc:171947; zgc:171945; zgc:101673; zgc:153597  
 ENSDART00000028610 ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C)  
 ENSDART00000078305 si:ch73-38p6.1  
 ENSDART0000018423 tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide b  
 ENSDART00000078425 even-skipped-like1  
 ENSDART00000074125 apelin receptor a  
 ENSDART00000114915 apelin receptor a  
 ENSDART00000106313 zgc:162212  
 ENSDART00000088490 zgc:153175  
 ENSDART00000098419 ENSDARG00000040503  
 ENSDART00000048164 phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase  
 ENSDART00000085325 ENSDARG00000060507  
 ENSDART00000040810 ADP-ribosylation factor-like 4, like  
 ENSDART00000097879 hypothetical LOC560020  
 ENSDART00000022620 zgc:136817  
 ENSDART00000073930 wu:fc10f03; notch homolog 3  
 ENSDART00000087844 estrogen receptor 1; A kinase (PRKA) anchor protein (gravin) 12  
 ENSDART00000110883 estrogen receptor 1; A kinase (PRKA) anchor protein (gravin) 12  
 ENSDART0000011749 spinster homolog 2 (Drosophila)  
 ENSDART00000046355 similar to protor-2  
 ENSDART00000105761 zic family member 3 heterotaxy 1 (odd-paired homolog, Drosophila)  
 ENSDART0000018010 ENSDARG00000079431  
 ENSDART00000046423 ADP-ribosylation factor-like 4Cb  
 ENSDART00000103265 zgc:158773  
 ENSDART00000021664 claudin b  
 ENSDART00000075519 aldehyde dehydrogenase 1 family, member A2  
 ENSDART00000100942 zgc:158225  
 ENSDART00000076915 similar to organic cation transporter like 3  
 ENSDART00000056655 Kruppel-like factor 4  
 ENSDART00000052649 similar to SH3 domain binding protein CR16  
 ENSDART00000067537 ELOVL family member 6, elongation of long chain fatty acids like  
 ENSDART00000079692 nodal-related 1  
 ENSDART00000082349 transcription factor AP-2 alpha  
 ENSDART00000058215 similar to brachyury transcription factor  
 ENSDART00000104496 dual specificity phosphatase 6  
 ENSDART00000045397 syntaxin 11b.1  
 ENSDART0000007356 no tail a  
 ENSDART00000089015 similar to Zinc finger and BTB domain containing protein 7 (Leukemia/lymphoma related factor) (Factor that binds to inducer of short transcripts protein 1)  
 ENSDART00000020412 polycystic kidney disease 2  
 ENSDART00000060597 SRY-box containing gene 32  
 ENSDART00000067534 Hrc protein  
 ENSDART00000097880 RasGEF domain family, member 1Ba  
 ENSDART00000078703 adducin 3 (gamma) b  
 ENSDART00000077352 similar to PLAC8-like protein 1  
 ENSDART00000055834 phosphatase, orphan 1  
 ENSDART00000091376 ENSDARG00000062913  
 ENSDART00000029555 zgc:92512  
 ENSDART00000104358 similar to AT-rich interactive domain-containing protein 3A (ARID domain-containing protein 3A) (Dead ringer-like protein 1) (Bright) (E2F-binding protein 1);  
 ENSDART00000101574 ephrin A5a  
 ENSDART00000103234 GDP-mannose 4,6-dehydratase  
 ENSDART00000047616 similar to Membrane metallo-endopeptidase-like 1 (Membrane metallo-endopeptidase-like 2) (Nepriylsin-2) (Nepriylsin II) (NL2) (NEPII) (NEP2(m))  
 ENSDART00000020270 odd-skipped related 1 (Drosophila)  
 ENSDART00000099320 zgc:103654  
 ENSDART00000055995 S-antigen; retina and pineal gland (arrestin)  
 ENSDART00000053106 sphingosine-1-phosphate receptor 2  
 ENSDART00000046174 zgc:100942  
 ENSDART00000112189 similar to GTPase, IMAP family member 7  
 ENSDART00000005641 LIM homeobox 1a  
 ENSDART00000104681 IQ motif containing with AAA domain 1; similar to IQ motif containing with AAA domain

**Supplemental Table S3: Genes in both periderm-enriched and dnIrf6-enriched profiles**

ENSEMBL_TRANSCRIPT_ID	Name
ENSDART00000001102	si:ch211-214d15.1
ENSDART00000002842	zgc:110692
ENSDART00000004964	NAD(P)H dehydrogenase, quinone 1
ENSDART00000007732	calpain 9
ENSDART00000009500	allograft inflammatory factor 1-like
ENSDART00000011471	zgc:101565
ENSDART00000012284	zgc:63546; cytochrome P450 CYP2AA3v1
ENSDART00000013480	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1a
ENSDART00000013798	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha 6
ENSDART00000013972	similar to absent in melanoma 1-like
ENSDART00000016894	similar to endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor 7
ENSDART00000017402	zgc:92046
ENSDART00000017456	ventral expressed homeobox
ENSDART00000020750	keratin 18
ENSDART00000021159	LIM homeobox 1b
ENSDART00000023797	alkaline ceramidase 1
ENSDART00000023985	zgc:153952
ENSDART00000025153	hypothetical protein LOC100151105; GATA-binding protein 3
ENSDART00000025451	zgc:55456
ENSDART00000026448	si:ch211-157f15.1
ENSDART00000027701	type I cytokeratin; zgc:109868; si:dkeyp-113d7.4
ENSDART00000032212	similar to Tyrosine-protein kinase FRK (FYN-related kinase) (Nuclear tyrosine protein kinase RAK)
ENSDART00000032827	zgc:162964
ENSDART00000036597	pleckstrin homology domain containing, family F (with FYVE domain) member 1
ENSDART00000038401	hypothetical protein LOC553515
ENSDART00000039204	tripartite motif-containing 25-like
ENSDART00000045397	syntaxin 11b.1
ENSDART00000046174	zgc:100942
ENSDART00000052521	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
ENSDART00000052570	paired-like homeodomain transcription factor 2
ENSDART00000052649	similar to SH3 domain binding protein CR16
ENSDART00000053463	monoglyceride lipase
ENSDART00000054877	fibroblast growth factor 24
ENSDART00000055241	periplakin
ENSDART00000056519	similar to Probable G-protein coupled receptor 160
ENSDART00000057553	si:dkey-2411.8
ENSDART00000057986	tissue specific transplantation antigen P35B; zgc:100864
ENSDART00000058643	zinc finger protein 750
ENSDART00000059188	Kruppel-like factor 2b
ENSDART00000060861	forkhead box P2
ENSDART00000061477	ENSDARG00000041947
ENSDART00000063320	claudin e
ENSDART00000063325	hypothetical LOC791933; claudin f
ENSDART00000063775	zgc:153665
ENSDART00000065819	chloride intracellular channel a
ENSDART00000066789	STAR3 N-terminal like
ENSDART00000066946	transmembrane and coiled-coil domain family 3
ENSDART00000067534	Hrc protein
ENSDART00000067537	ELOVL family member 6, elongation of long chain fatty acids like
ENSDART00000075785	zgc:110333; zgc:173444
ENSDART00000077111	zgc:100900
ENSDART00000077352	similar to PLAC8-like protein 1
ENSDART00000078983	coiled-coil domain containing 125; similar to Kenae
ENSDART00000080693	LIM homeobox 5
ENSDART00000081327	keratin 5
ENSDART00000081604	adiponectin receptor 2
ENSDART00000082000	ENSDARG00000059002
ENSDART00000082425	GATA-binding protein 2a
ENSDART00000082453	cadherin, EGF LAG seven-pass G-type receptor 2
ENSDART00000082922	zgc:158868
ENSDART00000084859	similar to RAB GTPase activating protein 1-like
ENSDART00000085325	ENSDARG00000060507
ENSDART00000085724	ENSDARG00000060675
ENSDART00000087454	grainyhead-like 1 (Drosophila)
ENSDART00000089015	similar to Zinc finger and BTB domain containing protein 7 (Leukemia/lymphoma related factor)
ENSDART00000090727	ENSDARG00000062632
ENSDART00000097515	ENSDARG00000067706
ENSDART00000098246	si:dkey-7b17.2
ENSDART00000099074	similar to cytochrome P450
ENSDART00000099320	zgc:103654
ENSDART00000099870	cytochrome P450, family 1, subfamily B, polypeptide 1
ENSDART00000100311	IKAROS family zinc finger 2
ENSDART00000100818	hypothetical LOC798921
ENSDART00000101061	ENSDARG00000069434
ENSDART00000101556	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2b
ENSDART00000103234	GDP-mannose 4,6-dehydratase
ENSDART00000103265	zgc:158773
ENSDART00000104319	similar to inositol 1,4,5-trisphosphate 3-kinase A; inositol 1,4,5-trisphosphate 3-kinase A
ENSDART00000105004	keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer
ENSDART00000105036	keratin 15; type I cytokeratin, enveloping layer, like; si:dkeyp-113d7.7; type I cytokeratin, enveloping layer
ENSDART00000105048	similar to zinc finger protein 629
ENSDART00000105694	zgc:64213
ENSDART00000108802	zgc:110712
ENSDART00000109423	hydroxysteroid (17-beta) dehydrogenase 12a

Intersection of periderm-enriched and dnIrf6-inhibited profiles

ENSDART00000109774	zgc:86915; zgc:171947; zgc:171945; zgc:101673; zgc:153597
ENSDART00000110550	breast cancer anti-estrogen resistance 3
ENSDART00000112287	wu:fc51b03
ENSDART00000112349	phospholipase C, delta 1a
ENSDART00000113801	zgc:193505
ENSDART00000113993	ENSDARG00000078072
ENSDART00000114092	novel rhamnose binding lectin; si:dkeyp-98a7.5; hypothetical LOC564145