

1 **Suppl Table 1. Transcripts more abundantly expressed in HSD junctional zone (182 transcripts)**

GenBank	Symbol	Description	Chromosome	HSD/BN
AI172274	<i>Echdc2</i>	enoyl Coenzyme A hydratase domain containing 2	5	76.09
AI764437	<i>LOC683295</i>	similar to keratin complex 2, basic, gene 6a	7	47.03
BF291140	<i>LOC100363112</i>	Aa2-296-like	3	31.42
BI286411	<i>Krt5</i>	keratin 5	7	18.11
AI556222	<i>Rab43</i>	RAB43, member RAS oncogene family	4	17.89
NM_012503	<i>Asgr1</i>	asialoglycoprotein receptor 1	10	15.71
BI282965	<i>RT1-Aw2</i>	RT1 class Ib, locus Aw2	20	15.58
AI500753	<i>Acer2</i>	alkaline ceramidase 2	5	14.54
AI406342	<i>Spock1</i>	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	17	13.88
AI059078	<i>RGD1309969</i>	similar to RIKEN cDNA 2600010E01	3	13.53
AA866443	<i>Prss35</i>	protease, serine, 35	8	13.45
BE106664	<i>Col19a1</i>	collagen, typeXIX, alpha 1	9	12.88
BG670819	<i>Ppp1r1c</i>	protein phosphatase 1, regulatory (inhibitor) subunit 1C	3	12.71
AI598401	---	Not annotated	20	12.13
AI009944	<i>Txk</i>	TXK tyrosine kinase	14	10.81
BG377340	<i>Pex11b</i>	peroxisomal biogenesis factor 11 beta	2	9.15
AA799328	<i>Fam111a</i>	family with sequence similarity 111, member A	1	8.61
AW531272	---	Not annotated	Not assigned	8.60
AA926318	<i>Prcp</i>	prolylcarboxypeptidase (angiotensinase C)	1	8.02
BI287300	<i>MGC72973</i>	beta-glo	1	7.86
BF282112	<i>Fubp3</i>	far upstream element binding protein 3	3	7.70
AI599463	<i>Dguok</i>	deoxyguanosine kinase	4	7.57
NM_020100	<i>Ramp3</i>	receptor (G protein-coupled) activity modifying protein 3	14	7.22
BI282860	<i>LOC685652</i>	similar to keratin 6L	7	7.07
AI029745	<i>Chodl</i>	chondrolectin	11	7.06
BF284634	<i>Efemp1</i>	EGF-containing fibulin-like extracellular matrix protein 1	14	6.75
AA998007	---	Not annotated	7	6.65
BI296619	<i>Fbxl13</i>	F-box and leucine-rich repeat protein 13	4	6.45
BF401629	<i>Stat6</i>	signal transducer and activator of transcription 6	7	6.05
AA996717	<i>Snhg8</i>	small nucleolar RNA host gene (non-protein coding) 8	16	6.01
AI599250	<i>Larp4</i>	La ribonucleoprotein domain family, member 4	4	5.87
AI176481	<i>LOC684841</i>	similar to CG31613-PA	17	5.72
BG372437	<i>CmbI</i>	carboxymethylenebutenolidase homolog (Pseudomonas)	2	5.70
BE097085	---	Not annotated	Not assigned	5.70
AI712541	<i>Dhfr</i>	dihydrofolate reductase	2	5.67
BM391896	<i>Zfp185</i>	similar to mouse zinc finger protein 185	X	5.42
AA923974	<i>Rab14</i>	RAB14, member RAS oncogene	3	5.42
AI502703	<i>Krt23</i>	keratin 23 (histone deacetylase inducible)	10	5.30

AI407006	<i>Prtfdc1</i>	phosphoribosyl transferase domain containing 1	17	5.20
BF401203	---	Not annotated	5	5.10
BI277565	<i>Cfp</i>	complement factor properdin	X	4.98
BI299500	---	Not annotated	X	4.94
AI232784	<i>Bdh2</i>	3-hydroxybutyrate dehydrogenase, type 2	2	4.93
AA818815	<i>LOC100174910</i>	glutaredoxin-like protein	18	4.93
BI290114	<i>Rnf190</i>	ring finger protein 190	10	4.91
AI317837	<i>Ccdc49</i>	coiled-coil domain containing 49	10	4.89
AI030026	<i>Prr5l</i>	proline rich 5 like	3	4.86
AA819268	<i>Pik3r1</i>	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1	2	4.83
BE099215	<i>Tbc1d9b</i>	TBC1 domain family, member 9B	10	4.78
BI285860	<i>Prcp</i>	prolylcarboxypeptidase (angiotensinase C)	1	4.74
BI286411	<i>Krt5</i>	keratin 5	7	4.67
AW915083	<i>Cdc14a</i>	CDC14 cell division cycle 14 homolog A (<i>S. cerevisiae</i>)	2	4.65
NM_053908	<i>Ptpn6</i>	protein tyrosine phosphatase, non-receptor type 6	4	4.59
AI045966	<i>Ube2e2</i>	ubiquitin-conjugating enzyme E2E 2	15	4.53
AA900400	<i>Wtap</i>	Wilms tumor 1 associated protein	1	4.49
AI071826	<i>Ano9</i>	anoctamin 9	1	4.42
BI288131	---	Not annotated	8	4.40
NM_013191	<i>S100b</i>	S100 calcium binding protein B	20	4.38
AI178814	<i>LOC499089</i>	similar to pregnancy-specific glycoprotein 25	1	4.36
AI172585	<i>Fbln1</i>	fibulin 1	7	4.35
AI103040	<i>Zfp189</i>	similar to mouse zinc finger protein 189	12	4.32
BM386767	<i>RGD1560559</i>	similar to RIKEN cDNA 2310042E22	11	4.29
NM_133514	<i>Mmp10</i>	matrix metalloproteinase 10	8	4.25
AI556056	<i>Cr2</i>	complement receptor 2	13	4.18
AW528468	<i>RGD1561852</i>	similar to Protein C20orf29	3	4.15
AB076401	<i>Fat3</i>	FAT tumor suppressor homolog 3 (<i>Drosophila</i>)	8	4.08
AI044813	<i>Umps</i>	uridine monophosphate synthetase	11	4.06
AI113325	<i>Sesn3</i>	sestrin 3	8	4.06
NM_031010	<i>Alox15</i>	arachidonate 15-lipoxygenase	10	3.92
AI511405	<i>Tiparp</i>	TCDD-inducible poly(ADP-ribose) polymerase	2	3.90
AA875055	<i>Cox15</i>	COX15 homolog, cytochrome c oxidase assembly protein (yeast)	1	3.79
NM_012883	<i>Sult1e1</i>	sulfotransferase family 1E, estrogen-preferring, member 1	14	3.77
AA858564	<i>Sox2</i>	SRY (sex determining region Y)-box 2	2	3.77
BM389786	<i>Marvel2</i>	MARVEL domain containing 2	2	3.77
BI292687	<i>Spred1</i>	sprouty-related, EVH1 domain containing 1	3	3.74
NM_031349	<i>Aplnr</i>	apelin receptor	3	3.69
BF417576	<i>Sprr2e</i>	similar to mouse small proline-rich protein 2E	2	3.67
BI276554	---	Not annotated	16	3.65

BF549971	---	Not annotated	Not assigned	3.48
BE105494	<i>Parp8</i>	poly (ADP-ribose) polymerase family, member 8	2	3.44
BM387041	<i>Acer2</i>	alkaline ceramidase 2	5	3.39
BE111796	<i>rCG_43687</i>	hypothetical protein LOC688459	9	3.38
H31625	<i>Frmd5</i>	FERM domain containing 5	3	3.36
AW252232	---	Not annotated	1	3.30
NM_053433	<i>Fmo3</i>	flavin containing monooxygenase 3	13	3.29
AI231460	<i>Usp46</i>	ubiquitin specific peptidase 46	14	3.25
BI293548	<i>Clic2</i>	chloride intracellular channel 2	20	3.25
AI102821	<i>Eif2s1</i>	eukaryotic translation initiation factor 2, subunit 1 alpha	6	3.24
BI289767	<i>Itgal</i>	integrin alpha L	1	3.22
AA955352	---	Not annotated	4	3.20
AF029241	<i>H2-T23</i>	histocompatibility 2, T region locus 23	20	3.18
AW921084	<i>Cirbp</i>	cold inducible RNA binding protein	7	3.17
BF404929	---	Not annotated	8	3.11
AA892565	<i>Ttc8</i>	tetratricopeptide repeat domain 8	6	3.08
AW532330	---	Not annotated	8	3.07
AF140346	<i>Sfrp4</i>	secreted frizzled-related protein 4	17	3.04
BE098506	<i>Hsd17b11</i>	hydroxysteroid (17-beta) dehydrogenase 11	14	3.02
AA800192	---	Not annotated	Not assigned	3.01
AF230096	<i>Miox</i>	myo-inositol oxygenase	7	2.95
BF291169	<i>Shisa3</i>	shisa homolog 3 (<i>Xenopus laevis</i>)	14	2.90
BI290883	<i>Dzip11</i>	DAZ interacting protein 1-like	8	2.87
BG667110	---	Not annotated	17	2.86
NM_022631	<i>Wnt5a</i>	wingless-type MMTV integration site family, member 5A	16	2.85
M24024	<i>RT1-Aw2</i>	RT1 class Ib, locus Aw2	20	2.83
BG381381	<i>Zfp873</i>	similar to mouse zinc finger protein 873	7	2.83
BE098045	<i>Adar</i>	adenosine deaminase, RNA-specific	2	2.77
AI233135	<i>Sirt3</i>	sirtuin (silent mating type information regulation 2 homolog) 3 (<i>S. cerevisiae</i>)	1	2.77
AI232806	<i>Zfp422</i>	zinc finger protein 422	4	2.77
BG377335	<i>Tctex1d2</i>	Tctex1 domain containing 2	11	2.75
AI502367	<i>Gna11</i>	guanine nucleotide binding protein, alpha 11	7	2.73
AI231461	<i>E nox1</i>	ecto-NOX disulfide-thiol exchanger 1	15	2.72
BE119143	<i>LOC306346</i>	similar to KIAA1683	16	2.71
NM_130400	<i>Dhfr</i>	dihydrofolate reductase	2	2.71
BI295150	<i>Ckap2</i>	cytoskeleton associated protein 2	16	2.68
AI716200	<i>LOC290595</i>	hypothetical gene supported by AF152002	16	2.68
AA894167	<i>Lpar2</i>	lysophosphatidic acid receptor 2	16	2.67
BF398245	<i>Trps1</i>	trichorhinophalangeal syndrome 1 homolog (human)	7	2.65
BE097786	<i>Igsf8</i>	immunoglobulin superfamily, member 8	13	2.64
AI709444	<i>LOC681383</i>	similar to Protein C10orf11 homolog	15	2.64
AI178157	<i>RGD1560812</i>	RGD1560812	6	2.57
AI454769	---	Not annotated	2	2.57
BI288816	<i>Rragd</i>	Ras-related GTP binding D	5	2.57

BM387458	<i>LOC690073</i>	similar to neuroblastoma-amplified protein	6	2.56
BI300589	<i>Mfap3</i>	microfibrillar-associated protein 3	10	2.56
BG372018	<i>Tulp1</i>	tubby like protein 1	20	2.55
AI409460	<i>Tmem88</i>	transmembrane protein 88	10	2.55
BG381387	---	Not annotated	2	2.55
BF390797	<i>Jakmip1</i>	janus kinase and microtubule interacting protein 1	14	2.54
BI288870	<i>LOC680199</i>	hypothetical protein LOC680199	16	2.53
AA997590	<i>Ogn</i>	osteoglycin	17	2.51
AI411594	<i>Plscr2</i>	phospholipid scramblase 2	8	2.49
AA819349	<i>Sfxn1</i>	sideroflexin 1	17	2.48
AF087696	<i>Mpp2</i>	membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2)	10	2.47
AI104736	<i>LOC682404</i>	similar to CG12929-PA	5	2.47
BI281874	<i>Klhl23</i>	kelch-like 23 (Drosophila)	3	2.46
AI412925	<i>Pbx4</i>	pre-B-cell leukemia homeobox 4	16	2.45
BF549971	---	Not annotated	X	2.44
BF565151	<i>Ssbp2</i>	single-stranded DNA binding protein 2	2	2.42
AI638971	<i>Ocln</i>	occludin	2	2.42
BF282115	<i>Mfap3</i>	microfibrillar-associated protein 3	10	2.41
BG664969	<i>Usp31</i>	ubiquitin specific peptidase 31	1	2.41
AI229202	---	Not annotated	16	2.38
BF399429	<i>Ankrd42</i>	ankyrin repeat domain 42	1	2.38
BI276097	<i>Amn</i>	amniotless homolog (mouse)	6	2.35
NM_023022	<i>Rhag</i>	Rh-associated glycoprotein	9	2.34
BF287591	<i>Tmem131</i>	transmembrane protein 131	9	2.34
BG380473	<i>Mfap3</i>	microfibrillar-associated protein 3	10	2.32
AB019693	<i>Keg1</i>	kidney expressed gene 1	1	2.30
AW253379	<i>Harbi1</i>	harbinger transposase derived 1	3	2.25
BI294864	<i>Slc10a4</i>	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	14	2.24
BI289088	<i>Hsf2bp</i>	heat shock transcription factor 2 binding protein	20	2.24
AI045724	<i>Fbxo32</i>	F-box protein 32	7	2.24
AI556643	<i>LOC311352</i>	similar to Adenosine deaminase CG11994-PA	3	2.23
AA848942	<i>Rcc2</i>	regulator of chromosome condensation 2	5	2.23
AI009623	<i>Rpp25</i>	ribonuclease P 25 subunit (human)	8	2.22
BI284886	<i>Ctsql2</i>	cathepsin Q-like 2	17	2.22
BE104114	<i>Klhl23</i>	kelch-like 23 (Drosophila)	3	2.21
BF387640	<i>Nrf1</i>	nuclear respiratory factor 1	4	2.21
AA899909	<i>Rbm14-Rbm4</i>	RBM14-RBM4 readthrough	1	2.19
AI716211	<i>MGC105649</i>	hypothetical LOC302884	3	2.18
AW520496	<i>Exoc3l</i>	exocyst complex component 3-like	19	2.16
BI275261	<i>Tnr</i>	tenascin R	13	2.16
AI500830	<i>RT1-Aw2</i>	RT1 class Ib, locus Aw2	20	2.15
AI060133	<i>Peli3</i>	pellino 3	1	2.15
BF420086	<i>Sgtb</i>	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta	2	2.14
AI236521	<i>LOC691849</i>	hypothetical protein LOC691849	8	2.14
M16347	<i>Asgr2</i>	asialoglycoprotein receptor 2	10	2.13
AI071835	---	Not annotated	7	2.13

BI294907	<i>Ncoa3</i>	nuclear receptor coactivator 3	3	2.13
BI290895	<i>Slc43a1</i>	solute carrier family 43, member 1	3	2.13
AI575121	<i>RGD1306932</i>	similar to CG9117-PA	12	2.10
BE120895	<i>Tmem35</i>	transmembrane protein 35	X	2.10
AI232524	<i>RGD1310475</i>	similar to RIKEN cDNA 0610010D20	1	2.10
AI502661	<i>Pccb</i>	propionyl coenzyme A carboxylase, beta polypeptide	8	2.09
AI230845	<i>Rassf1</i>	Ras association (RalGDS/AF-6) domain family member 1	8	2.09
NM_017210	<i>Dio3</i>	deiodinase, iodothyronine, type III	6	2.09
AI073247	<i>Irak1bp1</i>	interleukin-1 receptor-associated kinase 1 binding protein 1	8	2.08
BM392291	<i>Rab30</i>	RAB30, member RAS oncogene family	1	2.07
BF419074	---	Not annotated	19	2.05
AI237408	<i>Letm2</i>	leucine zipper-EF-hand containing transmembrane protein 2	16	2.03
NM_017079	<i>Cd1d1</i>	CD1d1 molecule	2	2.02
BF556357	<i>Slc33a1</i>	solute carrier family 33 (acetyl-CoA transporter), member 1	2	2.01