

1 **Suppl Table 2. Transcripts more abundantly expressed in BN junctional zone (171 transcripts)**

GenBank	Symbol	Description	Chromosome	BN/HSD
NM_021598	<i>Mcpt8</i>	mast cell protease 8	15	25.39
BE108856	<i>Syt13</i>	synaptotagmin-like 3	1	13.73
AF068268	<i>Oas1b</i>	2-5 oligoadenylate synthetase 1B	12	10.67
NM_031327	<i>Cyr61</i>	cysteine-rich, angiogenic inducer, 61	2	9.87
BM384373	---	Not annotated	11	9.74
BI275447	<i>Flnb</i>	filamin, beta	15	9.39
BE107978	<i>Mapt</i>	microtubule-associated protein tau	10	8.12
BE098686	<i>LOC687813</i>	similar to Tnf receptor-associated factor 1	3	8.01
AW527533	<i>Phactr2</i>	Phosphate and actin regulator 2	1	7.84
BF394136	<i>Npas3</i>	Neuronal PAS domain protein 3	6	7.62
M10072	<i>Ptprc</i>	protein tyrosine phosphatase, receptor type, C	13	7.12
AI146105	<i>RGD1563912</i>	RGD1563912	3	7.05
AI045590	<i>Pdia5</i>	protein disulfide isomerase family A, member 5	11	6.62
BG379188	<i>Siglec5</i>	sialic acid binding Ig-like lectin 5	1	6.37
BE112135	<i>Fto</i>	fat mass and obesity associated	19	5.98
BF414312	<i>Mef2c</i>	Myocyte enhancer factor 2C	2	5.4
BF410484	---	Not annotated	18	5.34
BF392600	<i>Ank1</i>	ankyrin 1, erythrocytic	16	5.27
NM_031055	<i>Mmp9</i>	matrix metalloproteinase 9	3	5.2
BI291884	<i>Pcdh24</i>	protocadherin 24	17	5.18
BF410404	<i>Syn3</i>	synapsin III	7	4.97
NM_012531	<i>Comt</i>	catechol-O-methyltransferase	11	4.83
U18772	<i>Nptx1</i>	neuronal pentraxin 1	10	4.73
AW528743	<i>RT1-Ba</i>	RT1 class II, locus Ba	20	4.59
AA964419	<i>Capzb</i>	capping protein (actin filament) muscle Z-line, beta	5	4.56
X92069	<i>P2rx5</i>	purinergic receptor P2X, ligand-gated ion channel, 5	10	4.56
AW528743	<i>RT1-Ba</i>	RT1 class II, locus Ba	20	4.45
NM_012728	<i>Glp1r</i>	glucagon-like peptide 1 receptor	20	4.41
AW524694	<i>LOC500591</i>	similar to calmodulin-binding transcription activator 1	5	4.11
AF226607	<i>Prl5a1</i>	prolactin family 5, subfamily a, member 1	17	4.11
BE113272	<i>Fam69c</i>	Family with sequence similarity 69, member C	18	4.09
D88250	<i>C1s</i>	complement component 1, s subcomponent	4	4.04
BE107853	<i>RGD1309403</i>	similar to hypothetical protein FLJ12661	2	4.01
BF386740	---	Not annotated	1	3.89
BE349751	---	Not annotated	1	3.89
BF289684	<i>Usp32</i>	ubiquitin specific peptidase 32	10	3.87
BI279446	<i>Stap2</i>	signal transducing adaptor family member 2	9	3.85
NM_017214	<i>Rgs4</i>	regulator of G-protein signaling 4	13	3.77
AI177154	---	Not annotated	16	3.75
AI072641	<i>Foxp1</i>	forkhead box P1	4	3.69
AA850991	<i>Vcan</i>	versican	2	3.66
AB046449	<i>Ascl3</i>	achaete-scute complex homolog 3	1	3.64

		(Drosophila)		
NM_022605	<i>Hpse</i>	heparanase	14	3.62
NM_012733	<i>Rbp1</i>	retinol binding protein 1, cellular	8	3.61
BI295153	<i>Znf710</i>	zinc finger protein 710	1	3.5
BF398176	---	Not annotated	6	3.46
AI639072	<i>Anxa3</i>	annexin A3	14	3.44
AB020480	<i>Snf1lk</i>	SNF1-like kinase	20	3.34
BM387813	<i>Rt1-A3</i>	RT1 class I, A3	20	3.3
BF288135	<i>Prkd3</i>	protein kinase D3	6	3.25
AA945624	<i>Nqo2</i>	NAD(P)H dehydrogenase, quinone 2	17	3.25
U27767	<i>Rgs4</i>	regulator of G-protein signaling 4	13	3.2
AI233246	<i>Igfbp7</i>	insulin-like growth factor binding protein 7	14	3.15
NM_033237	<i>Gal</i>	galanin prepropeptide	1	3.14
AB001382	<i>Spp1</i>	secreted phosphoprotein 1	14	3.13
BM389311	<i>RGD1564174</i>	similar to novel protein similar to Tensin Tns	14	3.13
BM387112	---	Not annotated	7	3.08
BG371810	<i>Clic1</i>	chloride intracellular channel 1	20	3.04
AA963979	<i>Galnt1</i>	UDP-N-acetyl-alpha-D-galactosamine:polypeptide acetylgalactosaminyltransferase (GalNAc-T1)	18	2.9
BI294271	<i>Stox2</i>	storkhead box 2	16	2.89
BF552873	<i>Agtr2</i>	angiotensin II receptor, type 2	X	2.87
NM_052802	<i>Kap</i>	kidney androgen regulated protein	4	2.86
NM_053953	<i>Il1r2</i>	interleukin 1 receptor, type II	9	2.85
BF403369	<i>Rnf40</i>	ring finger protein 40	1	2.83
BE101703	<i>Fam78b</i>	family with sequence similarity 78, member b	13	2.82
M25649	<i>Oxt</i>	oxytocin, prepropeptide	3	2.78
AA997871	<i>LOC689165</i>	hypothetical protein LOC689165	17	2.78
NM_053687	<i>Sln3</i>	schlafen 3	10	2.78
AA955091	<i>Itga6</i>	integrin, alpha 6	3	2.75
AW526268	<i>RGD1561817</i>	similar to Traf2 and NCK interacting kinase, splice variant 4	2	2.75
NM_031658	<i>Msln</i>	mesothelin	10	2.74
BF404786	<i>Rcan2</i>	regulator of calcineurin 2	9	2.73
AW522148	---	Not annotated	4	2.72
NM_053429	<i>Fgfr3</i>	fibroblast growth factor receptor 3	14	2.71
BM387797	<i>Gsdma1</i>	gasdermin A1	10	2.7
BI278186	<i>Crct1</i>	cysteine-rich C-terminal 1	2	2.7
BF396597	<i>Apob</i>	apolipoprotein B (including Ag(x) antigen)	6	2.68
BM389265	<i>Tiam1</i>	T-cell lymphoma invasion and metastasis 1	11	2.67
NM_053986	<i>Myo1b</i>	myosin Ib	9	2.67
AA900322	<i>Hcfc2</i>	host cell factor C2	7	2.67
NM_012523	<i>Cd53</i>	Cd53 molecule	2	2.67
AW140475	<i>Cugbp2</i>	CUG triplet repeat, RNA binding protein 2	17	2.67
AA955786	<i>Zbtb25</i>	zinc finger and BTB domain containing 25	6	2.67
AI709768	<i>Myo1b</i>	myosin IB	9	2.66
AA963631	---	Not annotated	7	2.62
AI454016	<i>Lrtm2</i>	leucine-rich repeats and transmembrane domains 2	4	2.62

U67915	<i>Mcpt1</i>	mast cell protease 1	15	2.61
AI599349	<i>Srgap3</i>	slit-robo Rho GTPase activating protein 3	4	2.61
X68657	<i>Mcpt10</i>	mast cell protease 10	15	2.59
AI412625	<i>Elmod1</i>	ELMO/CED-12 domain containing 1	8	2.58
BI281086	<i>Celf2</i>	CUGBP,Elav-like family member 2	17	2.58
BE110753	<i>Itga6</i>	integrin, alpha 5	3	2.56
BF403759	<i>Chdh</i>	choline dehydrogenase	16	2.55
NM_012870	<i>Tnfrsf11b</i>	tumor necrosis factor receptor superfamily, member 11b	7	2.54
AA894199	<i>Asap1</i>	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1	7	2.53
AB015645	<i>Trhr2</i>	thyrotropin releasing hormone receptor 2	19	2.53
AW528854	<i>Grp97</i>	G protein-coupled receptor 97	19	2.53
X73371	<i>Fcgr2b</i>	Fc fragment of IgG, low affinity IIb, receptor (CD32)	13	2.52
BF390195	<i>Paqr8</i>	progesterin and adipoQ receptor family member VIII	9	2.51
BF287720	<i>Tcstv1</i>	2-cell stage, variable group, member 1	2	2.48
AW435429	<i>Gpsm1</i>	G-protein signaling modulator 1 (AGS3-like, C. elegans)	3	2.48
U04733	<i>Cyp2c23</i>	cytochrome P450, family 2, subfamily c, polypeptide 23	1	2.48
NM_019323	<i>Mcpt9</i>	mast cell protease 9	15	2.48
AI237082	<i>Hivep1</i>	human immunodeficiency virus type I enhancer binding protein 1	17	2.48
AI104546	<i>Ptp4a3</i>	protein tyrosine phosphatase 4a3	7	2.46
BE113381	<i>Trim16</i>	tripartite motif protein 16	10	2.44
BM391073	<i>LOC499124</i>	zinc finger protein 14-like	1	2.44
AI009765	<i>lfit2</i>	interferon-induced protein with tetratricopeptide repeats 2	1	2.43
AW533825	---	Not annotated	X	2.42
U07886	<i>Pigr</i>	polymeric immunoglobulin receptor	13	2.41
BF288130	<i>Ptprc</i>	protein tyrosine phosphatase, receptor type, C	13	2.4
BF403932	---	Not annotated	9	2.4
BF386887	---	Not annotated	13	2.4
Y00480	<i>H2-Ea</i>	histocompatibility 2, class II antigen E alpha	20	2.4
NM_013220	<i>Ankrd1</i>	ankyrin repeat domain 1 (cardiac muscle)	1	2.39
NM_130819	<i>Dhrs9</i>	dehydrogenase/reductase (SDR family) member 9	3	2.38
NM_138875	<i>Jund</i>	Jun D proto-oncogene	16	2.37
BI282028	<i>RGD1563912</i>	RGD1563912	3	2.36
NM_032616	<i>Lsr</i>	lipolysis stimulated lipoprotein receptor	1	2.36
BM390256	<i>Ddx42</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	10	2.35
BG671922	<i>Uox</i>	urate oxidase	2	2.34
NM_012621	<i>Pfkfb1</i>	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	X	2.34
AA925482	<i>Mtmr1</i>	myotubularin related protein 1	18	2.33
AB020504	<i>Pmf31</i>	PMF32 protein	2	2.33
BG669749	---	Not annotated	2	2.3

BF404249	<i>Znf593</i>	zinc finger protein 593	5	2.3
BI293796	<i>Nckap1l</i>	NCK associated protein 1 like	7	2.3
BI296463	<i>Tpcn2</i>	two pore segment channel 2	1	2.29
BM392202	<i>Plekha6</i>	pleckstrin homology domain containing, family A member 6	13	2.29
AI234819	<i>Gcnt2</i>	glucosaminyl (N-acetyl) transferase 2, l-branching enzyme	17	2.26
AW522657	---	Not annotated	2	2.25
AI137274	<i>Apc</i>	adenomatosis polyposis coli	18	2.22
BF390608	<i>Prex2</i>	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 2	5	2.2
AA859008	<i>Myo1b</i>	myosin Ib	9	2.18
BM389685	<i>RGD1565927</i>	similar to 4631422O05Rik protein	11	2.16
BM391972	<i>St3gal1</i>	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	7	2.16
BI296216	<i>Dixdc1</i>	DIX domain containing 1	8	2.16
BI281754	<i>Glo1</i>	glyoxalase 1	20	2.15
BE109711	<i>Lcp1</i>	lymphocyte cytosolic protein 1	15	2.14
NM_017183	<i>Il8rb</i>	interleukin 8 receptor, beta	9	2.14
AI112776	<i>Homer2</i>	homer homolog 2	1	2.14
BI296250	<i>Ptpla</i>	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	17	2.13
AA800908	<i>Kctd12</i>	potassium channel tetramerisation domain containing 12	15	2.12
BG665929	<i>Rab6b</i>	RAB6B, member RAS oncogene family	8	2.12
NM_031798	<i>Slc12a2</i>	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	18	2.12
AI501394	<i>Ppib</i>	peptidyl-prolyl cis-trans isomerase B	8	2.12
U63923	<i>Txnrd1</i>	thioredoxin reductase 1	7	2.11
BF402385	<i>Magee1</i>	melanoma antigen, family E, 1	X	2.1
AA818264	<i>RGD1565457</i>	similar to Rasa4 protein	12	2.09
NM_024145	<i>Fgr</i>	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	5	2.09
BE120437	<i>Atp10a</i>	ATPase, class V, type 10A	1	2.09
BM386727	<i>Rdh12</i>	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	6	2.08
BF415784	<i>Pctk2</i>	PCTAIRE protein kinase 2	7	2.07
M58040	<i>Tfrc</i>	transferrin receptor	11	2.07
BI274636	<i>Tcf3</i>	transcription factor 3	4	2.06
BG379319	<i>Tgfb1</i>	transforming growth factor, beta induced	17	2.06
AW531915	<i>Pim1</i>	pim-1 oncogene	20	2.06
AB051214	<i>Trpc6</i>	transient receptor potential cation channel, subfamily C, member 6	8	2.05
AA924649	<i>Inadl</i>	InaD-like (Drosophila)	5	2.05
NM_021909	<i>Fxyd5</i>	FXYD domain-containing ion transport regulator 5	1	2.05
BF410474	<i>Cep164</i>	centrosomal protein 164kDa	8	2.04
NM_031614	<i>Txnrd1</i>	thioredoxin reductase 1	7	2.04
L17138	<i>Hsd3b6</i>	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6	2	2.03
NM_080780	<i>P2rx5</i>	purinergic receptor P2X, ligand-gated ion	10	2.03

		channel, 5		
BF415212	<i>Mthfd2l</i>	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2-like	14	2.03
BF289229	<i>Pla2r1</i>	phospholipase A2 receptor 1	3	2.03
BI295963	<i>RGD1305899</i>	similar to Protein C20orf158	3	2.02
AI236601	<i>Hsph1</i>	heat shock 105kDa/110kDa protein 1	12	2.02
NM_053524	<i>Nox4</i>	NADPH oxidase 4	1	2.01
NM_130423	<i>Ggt7</i>	gamma-glutamyltransferase 7	3	2.01
AI103937	<i>Ntn1</i>	netrin 1	10	2.01

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