

Clone	Best hit	Accession number	expression early (5-9 S)	expression late (16-20 S)	Homologies found?	Comments	Other clones
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Signalling	23 genes, 52 clones						
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25K17	Similar to RAB2, member RAS oncogene family.	AAH44459	ubiquitous, more in notochord, more in hgg?	ubiquitous, more in notochord, more in hgg?	Nd		11G11 35P4 36G21 40F15 5P24
48C23	Rho-related GTP-binding protein RhoE (Rho8) (Rnd3).	P52199	Weak ubiquitous	Weak ubiquitous	Nd		
21L24	Tob1 protein (Transducer of erbB-2 1).	Q61471	Notochord, also hgg?	Notochord in tail, somites	+, 1 up, 1 down		54C6 9J4
28J17	Ovarian TNF receptor.	Q9DFV0	Notochord	Two pairs of ganglia in head	-		
26M17	Serine/threonine-protein kinase Sgk1 (EC 2.7.1.37) (Serum/glucocorticoid-regulated kinase 1).	O00141	Posterior notochord, lateral mesoderm (edge), epiphysis	Posterior notochord, pronephros, epiphysis	-		
20N4	GAP-associated phosphoprotein p62 (Fragment).	Q9PTB4	Ubiquitous, more in hgg?	Ubiquitous, more in hgg?	Nd	May be a paralogue (60%)	
20M11	Semaphorin Z2 precursor (Semaphorin 2) (Sema-Z2).	Q9W6G6	R3and5, notochord	R4, roof plate, floor plate, posterior notochord	Nd		
19G8	Calumenin precursor (Crocabin) (IEF SSP 9302).	Q96RL3	Notochord	Posterior notochord, floor plate, hypochord	-		33I13 42E16 43N20 44I20 44P3 53G4 55C9 57B9 60A3 6F10 7O22 51H9 39P2
10L23	specificity phosphatase 1.	AAH45494	Weak ubiquitous, more in hgg?	Weak ubiquitous, more in hgg?	Nd		52F13 55H18
40L4	Follistatin-related protein 1 precursor (Follistatin-like 1).	Q62632	Somites, weak notochord	Somites, weak posterior notochord	-		51B5
42J16	Sonic hedgehog protein precursor (SHH) (VHH-1).	Q92008	Notochord	Floor plate, hypothalamus	+		48H18

8H9	precursor (Cysteine-rich, angiogenic inducer, 61) (Insulin-like growth factor-binding protein 10) (GIG1 protein).	O00622	Ubiquitous, more in notochord	Ubiquitous	-		43G8
46D19	Junctate.	Q9H291	Hgg, somites, notochord	Hgg, somites, notochord	Nd		5N7
46I18	Death receptor.	Q9DF34	Hgg, notochord, weak ubiquitous	Hgg, notochord, weak ubiquitous	-		
51I15	Transforming growth factor beta 3 precursor (TGF-beta 3).	P10600	Weak, notochord, near ears	Weak, notochord, near ears	-		
51M23	Connective tissue growth factor precursor (Connective tissue growth factor/hypertrophic chondrocyte-specific protein 24).	Q98TQ8	Floor plate, somites	Floor plate, somites	+, 2 up, 1 down	May be a paralogue (72%)	
51O9	Mitogen-activated protein kinase kinase 4 (EC 2.7.1.-)	Q9Y6R4	Hgg, weak ubiquitous	Hgg, weak ubiquitous	Nd		
53I19	BTG1 protein (B-cell translocation gene 1 protein).	P31607	Ubiquitous, more in notochord	Ubiquitous, more in notochord	-	May be a paralogue (72%)	52K7
52M20	protein similar to Oncorhynchus mykiss VHSV-induced protein).	CAD61077	Ubiquitous	Ubiquitous	Nd	May be a paralogue (48%)	
57P5	Similar to phosphorylase kinase, gamma 2 (testis).	AAH47191	Ubiquitous	Ubiquitous	Nd		63L8
20J7	MEGF6 (Fragment).	O75095	Somites, notochord	Somites, tail bud notochord, floorplate, hypochord	-	May be a paralogue (46%)	

7P6	Guanine nucleotide-binding protein beta subunit-like protein (Receptor of activated protein kinase C) (RACK).	O42248	Ubiquitous, more in hgg	Ubiquitous, more in hgg	Nd		8N4
9L10	Membrane-spanning 4-domains subfamily A member 4D.	Q99N05	ubiquitous	ubiquitous	Nd	May be a paralogue (40%)	

Transcription	7 genes, 12 clones						
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26N13	DNA-directed RNA polymerase III subunit 127.6 kDa polypeptide (EC 2.7.7.6) (RNA polymerase III subunit 2) (RPC2).	Q9NW08	Hgg	Hgg	Nd		
61D17	ATF4.	Q9W610	Ubiquitous	Ubiquitous	Nd	May be a paralogue (45%)	32L1 53D8
6F22	Transcription factor Treb5 (X-box binding protein 1A).	Q90X27	Hgg, notochord, ubiquitous	Hgg, posterior notochord, weak ubiquitous	+, 1 up, 1 down		12P23 12O20 18C19
41M1	Brachyury protein homolog (T protein homolog) (T-box protein ZFT) (ZF- T).	Q07998	Notochord, tail bud	Notochord, tail bud	Nd		
38E1	Ntd5 (Fragment).	Q8AXX4	Notochord, somites	Notochord, somites	-		
26L20	Homeobox protein. (hlx3)	Q9PTT9	ubiquitous	ubiquitous	Nd		
29E5	BHLH-WRPW transcription factor.(her 9)	Q9DF41	Patchy in head and neural tube, tail bud	Patchy in head and also ventrally, below notochord, tail bud	Nd		

Cytoskeleton	42 genes, 164 clones						
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2H11	Alpha-tubulin.	O42271	Ubiquitous, more in neurons	Ubiquitous, more in neurons	Nd		10B71F4 11D15 13H23 21K3 26E12 30M18 31G9 34L20 38O1 3E16 41L22 4G6 52G3 53O5 62N11 6E19 21A14 21O7 33A23 7F17 8M1 9G5 9K22 53C15
5H15	Spectrin alpha chain, brain (Spectrin, non-erythroid alpha chain) (Alpha-II spectrin) (Fodrin alpha chain).	Q13813	Ubiquitous, notochord	Ubiquitous, notochord	-		12P17
1A16	CD63 antigen.	Q9XSK2	Hgg, ubiquitous, more in notochord	Hgg, ubiquitous, posterior notochord? Posterior gut?	-	May be a paralogue (45%)	13I12 43D9 57E6
2L20	Platelet-endothelial tetraspan antigen 3 (PETA-3) (GP27) (Membrane glycoprotein SFA-1) (CD151 antigen).	O35566	Notochord, lateral plate mesoderm edge, maybe Kupffers vesicle	Pronephros	-	May be a paralogue (62%)	
6P24	Troponin-I isoform 3.	O13095	Somites	Somites	Nd	May be a paralogue (53%)	
17O12	Actin, alpha 1, skeletal muscle.	AAH45406	Somites, ubiquitous	Somites, ubiquitous	Nd		24F8 2J4 24M1 26C10 1E23 3H10 3I20 45P2 4C8 9I7 9M14 3M14 10E2
24K1	Alpha-cardiac actin.	Q9PTR4	Somites, ubiquitous	Somites, ubiquitous	Nd		35E24 36J9 3J12 44J9 4A13 4A14
2J15	beta actin	AAB97964	Ubiquitous, more epidermis	Ubiquitous, more epidermis	Nd		56I7 58C17 60B15 63E10 63G1 6I19 6L1 7F6 8G1 8K16 54C15 37M10 8M8 40G18 55J10 53A12
6P12	Smooth muscle gamma-actin.	Q61852	Somites	Somites	Nd		13B6
49B16	Similar to F-actin capping protein alpha-1 subunit.	AAH47860	Ubiquitous	Ubiquitous	Nd		55E18 6B17
35E8	Septin 6.	Q9R1T4	Notochord	Posterior notochord	+, 5 down		16E13 14L9 17E22 30M1 49B20
44O6	Septin 7 (CDC10 protein homolog).	Q9WVC0	Notochord	Posterior notochord	-		26G10 1P6 31B21 44P9

1C4	P49702 ADP-ribosylation factor 5	P49702	Notochord, hgg, ubiquitous	Posterior notochord, ubiquitous	Nd		15I1
16P12	Similar to coatomer protein complex, subunit alpha.	Q8IXZ9	Hgg, notochord	Hgg, ubiquitous	-		
57A16	Coatomer beta' subunit (Beta'-coat protein) (Beta'-COP) (p102).	O55029	Notochord, ubiquitous, weak hgg?	Posterior notochord, ubiquitous, weak hgg?	-		3K12 27B10
7J15	Similar to Yip1p-interacting factor (Fragment).	AAH46046	ubiquitous	ubiquitous	Nd		
48H7	Vesicle-associated membrane protein 3 (VAMP-3) (Synaptobrevin 3) (Cellubrevin) (CEB)	Q64271	Ubiquitous	Ubiquitous	Nd		
14N22	Annexin 4.	AAO20272	Hgg, posterior notochord, edge of lateral plate mesoderm	Floor plate, pronephros, ganglia in ear region, hypochord	-		
32P3	Annexin 2a.	AAO20270	Notochord, epidermis	Notochord, epidermis	Nd		43L21 38B17
33M10	Cdc-42 binding protein kinase beta	Q9Y5S2	Ubiquitous	Ubiquitous	Nd		
26F21	Collagen a1(I).	Q910C0	Hgg, notochord	Hgg, notochord, somites	Nd		34L22
1G15	Procollagen type I alpha 2 chain.	Q90YJ0	Somites, weak ubiquitous	Somites, weak ubiquitous	Nd		20M15
19J9	Collagen II A1 (Fragment).	Q90412	Notochord	Posterior notochord, floorplate, hypochord, endoderm	Nd		24F1 36J8 47E3 4G10 4G22 9L7 6J11
19L8	Alpha 1 (V) collagen.	Q9IAU4	Notochord	Notochord	Nd	May be a paralogue (46%)	
47G16	Similar to collagen, type IX, alpha 1 (Fragment).	AAH46861	Notochord, weak ubiquitous	Notochord, floor plate, hypochord, weak ubiquitous	Nd	May be a paralogue (64%)	52E7 31F16

45C9	Type IX collagen alpha 2.	Q8JGL8	Notochord ? Floor plate? Hgg?	Notochord, floor plate, Hgg?	Nd		48N8
40B3	Collagen-alpha-3 type IX precursor.	Q90800	Notochord	Notochord, floor plate, hypochord	Nd	May be a paralogue (38%)	20J17 22K18 50M7
5G9	Collagen alpha 1(XI) chain (Fragment).	P20909	Notochord	Notochord, floor plate, hypochord	Nd	May be a paralogue (77%)	24I6 5K21 8K14 9K13 47M10 11I19
2D14	PDZ and LIM domain 1 (elfin).	Q99K93	Ubiquitous	Ubiquitous	Nd		10G3
28M20	Calponin H2, smooth muscle (Neutral calponin).	Q99439	Epidermis	Epidermis	Nd		33P22 18A8 39F231G24
1F10	protein precursor (Cartilage link protein) (LP).	Q9QUP5	Notochord, edge of somites	Floor plate, hypochord	-		18M7
1A6	Calymmin.	Q9PVF5	Notochord	Notochord	-		48E6
18P8	CLIP-associating protein CLASP1.	Q8BSN1	Ubiquitous	Ubiquitous	Nd		
34J22	Keratin 8 (Fragment).	CAD31062	Epidermis	Epidermis	Nd		45A18
35N10	Claudin h.	Q90XR0	Hgg, edge of lateral plate mesoderm, ganglion near ear	Hgg, pronephros, ganglion near ear	Nd		35P5
5I9	SPARC protein.	Q9YGD9	Ears, somites, notochord	Ears, somites, posterior notochord	+, 1 down		37K4 43N1 44P12 9D14
49B15	Fibrillin 2 precursor.	Q61555	Somites, ubiquitous	Somites, ubiquitous	Nd	May be a paralogue (45%)	
54J6	Similar to membrane interacting protein of RGS16.	AAH47818	Ubiquitous/epidermis	Ubiquitous/epidermis	Nd		
8P2	Cartilage-associated protein precursor.	Q9CYD3	Hgg, weak notochord	Hgg, weak posterior notochord	-	May be a paralogue (68%)	8L3
11L5	Kinectin.	O97961	hgg, notochord, weak ubiquitous	hgg, tailbud notochord, ubiquitous	Nd	May be a paralogue (41%)	

43H6	Asporin precursor (Periodontal ligament associated protein-1) (PLAP- 1)	Q9BXN1	weak hgg, weak notochord	weak hgg, stronger notochord, weak ubiquitous	Nd	May be a parologue (51%)	
47G12	Cell-adhesion protein alphaE catenin.	Q9PVF8	hgg, strong ubiquitous	hgg, strong ubiquitous	Nd	Only mRNA hit, but good	

RNA	4 genes, 19 clones						
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33I14	Heterogeneous nuclear ribonucleoprotein A0 (hnRNP A0).	Q13151	Ubiquitous	Ubiquitous	Nd		10H24 24K11 10C14 18N21 37D1 39O17 60B20 44K2 6I13 50P8 52A24
35C15	Best blastp hit: O60231 DD16HUMAN Putative pre-mRNA splicing factor RNA helicase	AAH45393	Hgg, somites, weak ubiquitous	Hgg, somites, weak ubiquitous	Nd		
25O18	Poly A binding protein.	Q8BN32	Ubiquitous	Ubiquitous	Nd		37K8 56J4
59N9	Vigilin. 10/2001 246 2e-64	P81021	Hgg, ubiquitous, notochord	Hgg, ubiquitous, notochord	Nd		3K15 13K15

Protein metabolism	36 genes, 166 clones						
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21C2	Hatching enzyme EHE4.	Q90Y89	Hgg	Hgg	Nd	May be a parologue (57%)	49M9 52E15 10M12
16F15	Hatching enzyme EHE6.	Q9OY88	Ubiquitous, yolk ?	Ubiquitous, yolk ?	Nd	May be a parologue (58%)	
26F3	Hatching enzyme EHE13.	Q90Y84	Hgg	Hgg	Nd	May be a parologue (54%)	35I20 43H5 46A3 4H21 52F22 52F24

							2N16 2I23 10O6 18G13 22I3 25A14 25B11 27E17 27N19 29G18 32P18 36F6 37C24 37J6 39E16 39N21 40L12 41D14 41G19 41H3 41J20 41L19 42P8 43L13 44A11 44D2 44L7 44M20 45C18 45E8 45F20 45H18 45M10 4L1 50I13 50O3 51A15 51F13 53E9 5D1 5O22 6D23 6E18 6G21 6N5 7D14 8M9 8O10 9B20 9I14 9L23 9O20 10I1 29O23 46I3 18G18 44D15 45P3
11A19	Cathepsin L.	P79722	Hgg	Hgg	Nd		
10C23	Cathepsin (Fragment).	Q8AYF3	YSL, ubiquitous	YSL, ubiquitous	Nd	May be a paralogue (89%)	14K11 5A2 44I12
36L19	Similar to calreticulin.	AAH46906	Hgg , notochord	Hgg, posterior notochord, floor plate?	Nd		5C3 61A23 63P23 8F10 45I13 16I19 51N18 62O22
12H19	Similar to heat shock 70kDa protein 5 (Glucose-regulated protein, 78kDa).	Q8AVE3	Notochord, hgg, hindbrain?	Hgg, hypochord, floor plate, posterior notochord, two ganglia in hindbrain, weak ubiquitous	+, 1 up		10F11 12D18 4L5 56P2 6O10
15C20	Similar to procollagen- lysine, 2-oxoglutarate 5-dioxygenase 3.	AAH43893	Notochord	Posterior notochord, floor plate, hypochord, diffuser in somites and head?	Nd	May be a paralogue (65%) Not identical hit, cluster of clone 15C20	29B19 28J8 40A11 45L15 47H22 53K7 56E3
15D10	Similar to procollagen- lysine, 2-oxoglutarate 5-dioxygenase 3.	AAH43893	Notochord	Notochord		Not identical cluster as clone 15C20	24O15
27L24	Prolyl 4-hydroxylase alpha-2 subunit precursor (EC 1.14.11.2) (4-PH alpha- 2) (Procollagen- proline,2-oxoglutarate- 4-dioxygenase alpha-2 subunit).	O15460	Notochord, tail bud	Floor plate, somites, posterior notochord	Nd	May be a paralogue (68%)	52C9

58B4	protein). Next best blastx hit: SPT:Q9DFL8 Q9df18 Peptidyl-proline isomerase (Fragment).	Q9DFL8	Ubiquitous, more in hgg, more in notochord	Ubiquitous, more in hgg, more in posterior notochord	Nd		4I12
14N12	47 kDa heat shock protein.	Q90420	Notochord, around tail bud	Floor plate, somites, posterior gut, posterior notochord	+, 1 up		35M4 36A17 42K7 5M24 10L17
1P23	Similar to FK506 binding protein 9.	AAH43741	Notochord, lateral to head?	Posterior notochord, more in somites?, lateral stripes near head?	-	May be a paralogue (65%)	28J5 43K4 53I5
22L20	60S acidic ribosomal protein P0 (L10E).	Q9PV90	Ubiquitous	Ubiquitous	Nd		1M23 14I24 18M20 41D1 4L22 56G1 57M20 58D17 6B1 8A6 9G19
13H2	40S ribosomal protein S6.	Q90YR8	Ubiquitous	Ubiquitous	Nd		13D11
24I13	40S ribosomal protein S9.	Q90YR5	Ubiquitous	Ubiquitous	Nd		1E15
29A18	40S ribosomal protein S14.	Q90YR0	Ubiquitous	Ubiquitous	Nd		
46E14	Ribosomal protein L15.	Q90YV2	Ubiquitous	Ubiquitous	Nd		
8C13	Ribosomal protein L22.	Q90YU6	Ubiquitous	Ubiquitous	Nd		
35B13	Ribosome binding protein 1 (Ribosome receptor (mRRp)).	Q99PL5	Hgg, weak somites	Hgg, weak somites	Nd		
46K24	Tram1.	Q90ZM1	Hgg, notochord, ubiquitous	Hgg, notochord, ubiquitous	-		13O20 38I6 3L3 57L11 5N18
23P17	Similar to TRAM-like protein.	AAH46900	weak ubiquitous, notochord	no embryos	-		
50O10	Translocon-associated protein beta.	Q90Z39	Hgg, notochord, ubiquitous	Hgg, notochord, ubiquitous	-		15M8 61C16
54C12	Similar to signal sequence receptor, gamma (Translocon-associated protein gamma).	AAH47859	Notochord, hgg	Posterior notochord, hgg	+, 1 down		

55A11	Translocon-associated protein delta homolog.	Q91868	Hgg, notochord	Hgg, posterior notochord, ubiquitous	-	May be a paralogue (75%)	30M19 57C15
1F14	SEC61, alpha subunit.	AAH44351	Ubiquitous, more in hgg and notochord	Ubiquitous, more in posterior notochord	-		12J21
41K9	ER lumen protein retaining receptor 2 (KDEL receptor 2) (ELP-1).	P33947	Notochord, ubiquitous	Posterior notochord, ubiquitous	-		29J9 33N7 58O17
30E1	Similar to proteasome (Prosome, macropain) 26S subunit, non-ATPase, 1.	AAH45463	Hgg, ubiquitous	Hgg, ubiquitous	Nd		
57E22	P58 (Fragment).	Q91671	Hgg, somites, notochord, ubiquitous	Hgg, posterior notochord, weak floor plate, somites	-	May be a paralogue (71%)	35F17
16D8	Beta-3-galactosyltransferase.	Q8UWM2	Notochord and ganglia in hindbrain	Posterior notochord, floor plate, hypochord (posterior) and ganglia in hindbrain	-		
37G24	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase.	Q8NI93	Ubiquitous, more in hgg?	Ubiquitous, more in hgg?	Nd		2A5
1J6	Similar to mannose-P-dolichol utilization defect 1.	Q9BUU8	Ubiquitous	Ubiquitous	Nd	May be a paralogue (56%)	
4M11	Similar to fused toes homolog (mouse).	AAH44455	Hgg, somites, lateral plate mesoderm edge, ubiquitous	Hgg, somites, pronephros?, ubiquitous	Nd		
12D8	Polyubiquitin.	O35080	Ubiquitous	Ubiquitous	Nd		14F20

52G1	Eukaryotic translation initiation factor 4H (eIF-4H) (Williams-Beuren syndrome chromosome region 1 protein homolog).	Q9WUK2	Hgg, ubiquitous	Hgg, ubiquitous	Nd	May be a paralogue (65%)	
54G21	Elastase 2 (Fragment).	Q9W7Q1	Ubiquitous	ubiquitous	Nd	May be a paralogue (67%)	

Metabolism	10 genes, 14 clones						
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7119	thymic cells cDNA, RIKEN full-length enriched library, clone:C920024A14 product:tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide, full insert sequence.	BAC38886	hgg, ubiquitous weak	hgg, ubiquitous weak	Nd	May be a paralogue (47%), sequence pretty bad	
10I3	Similar to Guanidinoacetate methyltransferase.	AAH45001	Somites, YSL	Somites, YSL	Nd		
11M11	family 25 (Mitochondrial carrier; adenine nucleotide translocator), member 3.	AAH46007	Ubiquitous	Ubiquitous	Nd		18C2 38M1 3P9 40K11
16M7	Photoreceptor outer segment all-trans retinol dehydrogenase.	Q9N126	Dorsal neural tube (and epidermis?) posteriorly, somites in the middle, notochord, lateral to head, ectoderm of tail bud	Posterior dorsal neural tube (and epidermis?), ganglia in head	-	May be a paralogue (59%)	

31L13	Similar to chromosome 20 open reading frame 16. Protein hit: SPT:Q96QT3 Q96qt3 Polyamine oxidase isoform-1.	AAH44478	Epidermis	Epidermis	Nd		
34G19	Thiamin pyrophosphokinase (EC 2.7.6.2) (Thiamine pyrophosphokinase).	Q9H3S4	Ubiquitous	Ubiquitous	Nd	May be a paralogue (42%)	
19J5	Brain-subtype creatine kinase.	Q8AY63	Hgg, weak ubiquitous	Hgg, dorsal neurons, neurons in brain	Nd		
39E18	Carbonic anhydrase-related protein (CARP) (CA-VIII).	Q8CF58	Hgg, notochord	Hgg, posterior notochord	-		
61B22	Phenylalanyl-tRNA synthetase alpha chain (EC 6.1.1.20) (Phenylalanine- tRNA ligase alpha chain) (PheRS) (CML33).	Q9Y285	Ubiquitous, hgg	Ubiquitous, hgg	Nd	May be a paralogue (61%)	
63P5	Similar to lipase, endothelial.	AAH44146	Hgg	Hgg	Nd		

Other	7 genes, 7clones						
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26P16	GTP:AMP phosphotransferase mitochondrial (EC 2.7.4.10) (AK3) (Adenylate kinase 3 alpha like 1).	Q8BGX5	YSL, notochord	YSL, posterior notochord	+, 1 down	May be a paralogue (62%)	
21I22	Nonhistone chromosomal protein HMG-17.	P02314	Ubiquitous	Ubiquitous	Nd		
17J1	Mitochondrial uncoupling protein 2 (UCP 2).	Q9W720	Ubiquitous	Ubiquitous	Nd		

34F7	Similar to RAD21 homolog (S. pombe).	AAH45311	Hgg, ubiquitous weak	Hgg, ubiquitous weak	Nd		
41N12	protein 2 (130 kDa retinoblastoma-associated protein) (PRB2) (P130) (RBR-2) (PPAR-alpha interacting complex protein 128) (PRIC128).	O55081	Ubiquitous	Ubiquitous	Nd	May be a paralogue (70%)	
5I12	FXD domain-containing ion transport regulator 6 precursor.	Q9H0Q3	Ubiquitous	Ubiquitous	Nd	May be a paralogue (59%)	
63A15	Tumor susceptibility protein 101.	Q9I8G8	Ubiquitous	Ubiquitous	Nd	May be a paralogue (72%)	

Hypothetical	23 genes, 53 clones						
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36O1	Similar to DNA segment, Chr 6, Wayne State University 176, expressed	AAH44170	Ubiquitous	Ubiquitous	Nd		
10I19	Unknown.	Q9IBH4	ubiquitous	ubiquitous	Nd		
24I11	0 day neonate cerebellum cDNA, RIKEN full-length enriched library, clone:C230098O20 product:histocompatibility 13, full insert sequence.	Q8HWA9	Notochord, hgg	Hgg, ubiquitous weak	Nd		62N10
46N16	Similar to RIKEN cDNA 5730469M10 gene.	Q9BRX8	Ubiquitous	Ubiquitous	Nd	May be a paralogue (61%)	23N20
14K7	Similar to ATP-binding cassette, sub-family D (ALD), member 3.	AAH44468	Ubiquitous	Ubiquitous	Nd		
28K20	QIL1 (Hypothetical protein).	Q8R404	Ubiquitous and lateral stripes ?	Ubiquitous	Nd	May be a paralogue (45%)	

21A24	Similar to RIKEN cDNA 1110018M03 (Hypothetical protein HEMBA1007053).	Q8TAL6	Ubiquitous	ubiquitous	Nd		
33D17	body cDNA, RIKEN full-length enriched library, clone:5730406M06 product:hypothetical Serine-rich region containing protein, full insert sequence (Fragment).	Q9CS92	Ubiquitous	Ubiquitous	Nd	May be a paralogue (41%)	
12N22	Z-protein (0610007H07Rik).	Q9DA39	Ubiquitous, epidermis	Ubiquitous, epidermis	Nd	May be a paralogue (65%)	
3L20	Similar to cysteine-rich protein 2.	AAH44391	hgg, notochord, edge of somites?	hgg, somites	Nd		11A11 30L24
42E2	Hypothetical protein.	Q8CC26	Hgg, weak ubiquitous, somites	Hgg, weak ubiquitous, somites	Nd		
47L13	1110018M03Rik protein (RIKEN cDNA 1110018M03 gene).	Q9CQS3	Notochord, ganglion near ears, hgg, somites?, ubiquitous	Posterior notochord, ganglion near ears, hgg, somites?, ubiquitous	+, 1 up	May be a paralogue (68%)	46M3
50C20	Hypothetical protein.	Q8WUH6	Hgg, ubiquitous, notochord	Hgg, ubiquitous, weak posterior notochord	-	May be a paralogue (45%)	
55B4	RIKEN cDNA 1810008K03 gene.	Q8R3J5	Ubiquitous, notochord	Ubiquitous, notochord	-	May be a paralogue (63%)	61I7
60M18	Hypothetical protein (Fragment).	Q9BVL6	Ubiquitous, weak notochord	Ubiquitous, weak posterior notochord	-	May be a paralogue (49%)	
11C1	Hypothetical protein.	Q9NRY5	Ubiquitous, hgg	Ubiquitous, hgg	Nd	May be a paralogue (36%)	
14P16	CGI-130 protein. Same family as kinectin, identical?	Q9Y3D1	Hgg, ubiquitous	Hgg, ubiquitous	Nd	May be a paralogue (45%)	

21E8	Similar to golgi membrane protein SB140.	AAH49469	Hgg, ubiquitous, notochord	Hgg, posterior notochord	-		
31P16	16.7 kDa protein (16.7KD protein).	Q9Y6H1	ubiquitous	Ubiquitous, pronephros	Nd	May be a paralogue (42%)	
4J1	Similar to chromosome 12 open reading frame 22 (TGF-beta induced apoptosis protein 12) (TGF-beta induced APOTOSIS protein 12 homolog).	Q8BGQ2	Hgg, weak ubiquitous	Hgg, weak ubiquitous			
22F13	Hypothetical ARM repeat structure containing protein.	Q8BQM4	weak ubiquitous (no probe?)	weak ubiquitous (no probe?)	Nd	May be a paralogue (60%)	
2C21	Hypothetical protein.	AAH44457	ubiquitous	ubiquitous	Nd	Only mRNA hit, but good	10G15 20G1 34N12 33M23 21H3 33B22 30F20 19M19 26L2 32F10 35J9 36C11 38P5 40A5 40E6 41O8 42C13 44C2 44E12 49C8 4N24 58I24 7J24 50L11
4711	Hypothetical protein.	Q8NAK8	hgg, notochord, weaker ubiquitous	hgg, notochord,, weaker ubiquitous	Nd	May be a paralogue (35%)	
No hits	93 clones						28N1 13E8 17K13 1O12 21F16 20C16 16P21 15K17 34O22 26M9 16B17 28C2 2H21 34L1 2A12 20J8 34D20 28G22 34G23 29E22 26P20 20F19 20H9 29J11 23P9 29P18 20E9 15K11 28P7 33F8 20L7 1E17 1G7 23I16 34I1 1E16 18A9 18O12 19P20 22K12 31N6 33N14 35L17 37B11 38O3 39N11 39P19 39P3 40I19 40P1 41F20 41G2 42G18 45C21 45I15 49J16 4D7 4G21 4P19 51D6 52B10 52D15 52H23 52H8 59K22 59L18 5D19 5O17 60C13 61G13 20B16 22H11 23J15 2P4 35K7 39O18 40F11 41J3 6O11 7A7 7I13 7J11 8N5 9F4 47C10 10G20 52P2 25D17 27J17 20L6 48I12 33I1 15O21

Bad sequence	82 clones					35M5 17G18 30E7 16I12 23F8 2A18 35E17 16O23 12D24 33D12 20K20 35J7 20P12 31B6 27C2 28N21 23B4 23P13 10C19 1E20 1I16 1N19 10N6 12M4 17I17 1A3 1O19 27E24 30P8 18N24 24H18 25P23 29O18 30P9 34P23 36H16 38K15 39H18 39M24 3D11 3L17 3P24 40D22 40K9 41H11 42J10 42M20 44H19 44K23 44M17 45C22 45C23 45E15 45N18 46H17 46H24 46O10 46P20 47A9 47J10 48L2 49L2 49M18 4M20 50A5 50L18 51D17 51H21 51M9 52G5 5B4 13D18 20P4 31L7 31M8 37C15 50D11 9B9 9H7 61A20 45A5 31D7
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