

AT candidate	EST/EST contig	annotation	best hit vs. Danio, Fugu, Human, Mouse (AC ID, Unigene ID, e-value, query coverage); NCBI BLAST 11.03.2009	reference in ASAP2; DB of Jan06
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Competing 5' splice sites

C11 - scaff5498 (23000-30500)	CL2778Contig1	similar to UP Q767K9 Protein phosphatase 1 regulatory subunit 10	BC165667; Dr.80488; Danio rerio phosphatase 1, regulatory subunit 10 (ppp1r10); 4e-99; 55%	2 isoforms for Dr.6364 (retired; now Dr.80488); 4 isoforms for Mm.29385 (5' donor)
	McF0032E14	similar to UP Q767K9 Protein phosphatase 1 regulatory subunit 10	BC165667; Dr.80488; Danio rerio phosphatase 1, regulatory subunit 10 (ppp1r10); 3e-88; 77%	
C13 – scaff9096: case 2	McF0031L08	similar to SP P45973 CBX5_HUMAN Chromobox protein homolog 5 (Heterochromatin protein 1 homolog alpha)(HP1 alpha) (Antigen p25)	BC164295; Dr.104817; Danio rerio chromobox homolog 5 (cbx5); 1e-59; 80%	NA for Dr.104817; 4 isoforms for Hs.349283 (CBX5); 1 isoform in Rn.101856
	CL1448Contig1	similar to SP P45973 CBX5_HUMAN Chromobox protein homolog 5 (Heterochromatin protein 1 homolog alpha)(HP1 alpha) (Antigen p25)	BC164295; Dr.104817; Danio rerio chromobox homolog 5 (cbx5); 5e-84; 68%	
C15 – scaff9359: case 2	CL1307Contig1	similar to SP Q02374 NIGM_BOVIN NADH-ubiquinone oxidoreductase AGGG subunit mitochondrial precursor (Complex I-AGGG) (CI-AGGG)	BC063026; Hs.655788; Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2 (NDUFB2); 6e-32; 38%	4 isoforms for Hs.567309 (retired; now mainly Hs.655788; exon skipping); 1 isoform for Rn.18013
	McF0043O22	similar to SP Q02374 NIGM_BOVIN NADH-ubiquinone oxidoreductase AGGG subunit mitochondrial precursor (Complex I-AGGG) (CI-AGGG)	BC063026; Hs.655788; Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2 (NDUFB2); 7e-31; 36%	

C16 – scaff5520: case 2	CL1116Contig1	similar to UP Q8C570 RAE1 RNA export 1 homolog	BC049445; Dr.75426; Danio rerio RAE1 RNA export 1 homolog (rae1); 8e-126; 77%	2 isoforms for Dr.140 (retired; now Dr.75426); 10 isoforms for Hs.371698 (5' donor; exon skipping)
	McF0012A07	similar to UP Q8C570 RAE1 RNA export 1 homolog	BC065853; Dr.75426; Danio rerio RAE1 RNA export 1 homolog (rae1); 3e-163; 86%;;;;BC049445; Dr.75426; Danio rerio RAE1 RNA export 1 homolog (rae1); 1e-161; 86%	
C19 – scaff512: case 2	McF0029K05	similar to (Q7ZW33) {Brachydanio rerio} Hypothetical protein	BC131851; Rn.7959; Rattus norvegicus UTP15, U3 small nucleolar ribonucleoprotein; 1e-48; 50%	2 isoforms for Rn.100071 (retired, now Rn.7959); 1 isoform for Dr.3262 (retired, now Dr.78694); 1 isoform for Mm.28221; 1 isoform for Hs.406703
	McF0049N08	similar to (Q7ZW33) {Brachydanio rerio} Hypothetical protein	BC131851; Rn.7959; Rattus norvegicus UTP15, U3 small nucleolar ribonucleoprotein; 1e-48; 53%	
C22 – scaff3346: case 2	CL303Contig1	similar to SP Q90YV8 R10A_ICTPU 60S ribosomal protein L10a	BC071510; Dr.26808; Danio rerio ribosomal protein L10a (rpl10a); 0.0; 92%	3 isoforms for Dr.26808 (3' acceptor); 1 isoform for Tru.2089
	McF0023L21	similar to SP Q90YV8 R10A_ICTPU 60S ribosomal protein L10a	AK313181; Hs.546269; Homo sapiens ribosomal protein L10a (RPL10A); 3e-95; 86%;;;;BC071510; Dr.26808; Danio rerio ribosomal protein L10a (rpl10a); 6e-91; 88%	
C24 – scaff10099: case 2	CL2098Contig1	similar to SP P50550 UBCI_HUMAN Ubiquitin-like protein SUMO-1 conjugating enzyme (SUMO-1- protein ligase) (Ubiquitin carrier protein) (Ubiquitin- conjugatingenzyme UbcE2A) (P18)	BC059506; Dr.8127; Danio rerio ubiquitin- conjugating enzyme E2I (ube2i); 6e-57; 44%;;;; AF128240; Dr.8127; Danio rerio ubiquitin- conjugating enzyme 9 (ubc9); 6e-57; 44%	no isoforms calculated for Dr.8127; 5 isoforms for Hs.302903 (exon skipping)

	McF0029D22	similar to UP UBCI_HUMAN (P50550) Ubiquitin-like protein SUMO-1 conjugating enzyme (SUMO-1-protein ligase) (Ubiquitin carrier protein) (Ubiquitin-conjugating enzyme UbcE2A) (P18)	BC059506; Dr.8127; Danio rerio ubiquitin-conjugating enzyme E21 (ube21); 3e-42; 45%;;;; AF128240; Dr.8127; Danio rerio ubiquitin-conjugating enzyme 9 (ubc9); 3e-42; 45%	
C28 – scaff80: case 2	CL3124Contig1	similar to UP Q8JHH1 Small nuclear ribonucleoprotein D1	AF506225; Dr.76122; Danio rerio small nuclear ribonucleoprotein D1 (snrpd1); 9e-100; 57%	3 isoforms for Hs.464734 (5' donor; exon skipping); 1 isoform for Rn.18606; 2 isoforms for Mm.603 (5' donor); 2 isoforms for Dr.10241 (retired; now Dr.76122)
	CL1059Contig1	similar UP Q8JHH1 Small nuclear ribonucleoprotein D1	AF506225; Dr.76122; Danio rerio small nuclear ribonucleoprotein D1 (snrpd1); 4e-111; 50%	
C29 – scaff61: case 2	CL1442Contig1	similar to UP O95698 ING1LP (P33) (Inhibitor of growth family member 1-like)	BC095338; Dr.76650; Danio rerio inhibitor of growth family, member 4 (ing4); 1e-155; 94%	no isoforms calculated for Mm.262547; 1 isoform for Dr.4942 (retired, now Dr.76650)
	McF0022E18	similar to UP O95698 ING1LP (P33) (Inhibitor of growth family member 1-like)	BC095338; Dr.76650; Danio rerio inhibitor of growth family, member 4 (ing4); 1e-98; 94%	
C30 – scaff3401: case 2	McF0034J20	similar to UP Q90WP3 Translocon associated protein alpha homolog	AY115484; Dr.77292 (signal sequence receptor, alpha; ssr1); Danio rerio translocon-associated protein alpha mRNA; 3e-72; 81%	1 isoform for Dr.20715 (retired, now Dr.77292); 1 isoform for Mm.138725
	CL351Contig1	similar to UP Q90WP3 Translocon associated protein alpha homolog	AY115484; Dr.77292 (signal sequence receptor, alpha; ssr1); Danio rerio translocon-associated protein alpha mRNA; 0.0; 85%	
Competing 3' splice sites				
C31 - scaff81 (152000-158000): case 3	McF0030A06	similar to (Q7SYW3) {Xenopus laevis} protein	BC155085; Dr.114812; Danio rerio carbonic anhydrase IV a (ca4a); 1e-28; 42%	3 isoforms for Hs.89485 (5' donor, exon skipping); 2 isoforms for Rn.51389; 3 isoforms for Mm.1641 (5' donor)
	McF0021C18	similar to (Q7SYW3) {Xenopus laevis} protein	BC155085; Dr.114812; Danio rerio carbonic anhydrase IV a (ca4a); 7e-38; 67%	

C32 - scaff5994 (24000-31000): case 3	McF0050N12	similar to UniRef100_Q80ZW8 RIKEN cDNA 1700018O18	NM_032793; Hs.655177; Homo sapiens major facilitator superfamily domain containing 2 (MFSD2), transcript variant 2; 7e-43; 61%	1 isoform Mm.331842; 1 isoform for Dr.34052 (retired; now Dr.319); 2 isoforms for orthologous Dr.37117 (retired; now Dr.86869); 2 isoforms for Hs.75668 (mutually exclusive exon; exon skipping)
	McF0002M14	similar to UniRef100_Q96F59 Hypothetical protein FLJ14490	NM_032793; Hs.655177; Homo sapiens major facilitator superfamily domain containing 2 (MFSD2), transcript variant 2; 2e-49; 54%	
C37 – scaff425: case 3	CL47Contig1	similar to GB AAH44522.1 27882547 BC044522 wu:fb39h07 protein	NM_001536; Hs.20521; Homo sapiens protein arginine methyltransferase 1 (PRMT1), transcript variant 1; 0.0; 61%	4 isoforms for Hs.20521 (5' donor); 2 isoforms for orthologous Mm.27545 (3' acceptor; exon skipping); 1 isoform for Dr.879 (retired; now mainly Dr.110639)
	CL47Contig2	similar to GB AAH44522.1 27882547 BC044522 wu:fb39h07 protein	BC044522; Dr.110639;Danio rerio protein arginine methyltransferase 1; 4e- 179; 90%	
C39 - scaff9344: case 3	McF0040J22	similar to SP Q9BS26 TXN4_HUMAN Thioredoxin domain containing protein 4 precursor (Endoplasmicreticulu m protein ERp44)	BC066767; Dr.2478; Danio rerio thioredoxin domain containing 4, txndc4 (endoplasmatic reticulum); 5e-65; 78%	1 isoform for Dr.2478; 2 isoforms for Mm.317701 (exon skipping); 3 isoforms for Hs.154023
	McF0048K22	similar to SP Q9BS26 TXN4_HUMAN Thioredoxin domain containing protein 4 precursor (Endoplasmicreticulu m protein ERp44)	BC066767; Dr.2478; Danio rerio thioredoxin domain containing 4, txndc4 (endoplasmatic reticulum); 5e-103; 83%	

C40 - scaff1486: case 3	McF0012D16	similar to SP Q91VH1 ADR1_MOUSE Adiponectin receptor protein 1	EU139312; Dr.133028; Danio rerio adiponectin receptor 1a (adipor1a); 3e-108; 50%	1 isoform for Mm.259976; 3 isoforms for orthologous Rn.104556 (exon skipping); 1 isoform for Dr.11449 (retired; now Dr.133028); 7 isoforms for Hs.5298 (5' donor; exon skipping)
	McF0007D24	similar to SP Q91VH1 ADR1_MOUSE Adiponectin receptor protein 1	BC014875; Mm.259976; Mus musculus adiponectin receptor 1; 3e-113; 60%;;;EU139312; Dr.133028; Danio rerio adiponectin receptor 1a (adipor1a); 3e-108; 46%	
C41 - scaff4429: case 3	McF0050A24	similar to UP Q6PAF2 MGC68756 protein	XM_001340075; Dr.105407; predicted: Danio rerio similar to calpain 1, large subunit a; 2e-32; 37%	1 isoform for Dr.26630 (retired, split into Dr.105407 and Dr.77716); 1 isoform for Mm.6221
	McF0007B10	similar to UP Q6PAF2 MGC68756 protein	XM_001340075; Dr.105407; predicted: Danio rerio similar to calpain 1, large subunit a; 1e-33; 24%	
C42 - scaff330_60000: case 3	CL571Contig1	similar to PIR S37707 S37707 calmodulin	BC063187; Rn.2892; Rattus norvegicus calmodulin 3 (Calm3); 1e-155; 74%	9 isoforms for Hs.515487 (5' donor; exon skipping); 2 isoforms for Rn.2892; 1 isoform for Mm.288630;
	McF0054F19	similar to PIR S37707 S37707 calmodulin	NM_005184; Hs.515487; Homo sapiens calmodulin 3 (CALM3); 8e-132; 70%;;;BC063187; Rn.2892; Rattus norvegicus calmodulin 3 (Calm3); 8e-132; 70%	
C46 - scaff1202: case 3	McF0029E14	similar to UniRef100_Q9NWL6 Hypothetical protein FLJ20752	BC001243; Hs.101364; Homo sapiens asparagine synthetase domain containing 1 (ASNSD1); 9e-18; 31%	7 isoforms for Hs.489207 (Asparagine synthetase; 5' donor; exon skipping); 6 isoforms for Mm.2942 (exon skipping); 1 isoform for Dr.25168
	CL697Contig1	similar to UniRef100_Q9NWL6 Hypothetical protein FLJ20752	BC001243; Hs.101364; Homo sapiens asparagine synthetase domain containing 1 (ASNSD1); 5e-21; 62%	

exon skipping				
C53 - scaff1673 (24000-30000): case 4-5	McF0018J09	similar to (Q9BTT2) {Homo sapiens} Hypothetical protein (Fragment)	NM_001045231.1; Dr.75502; novel IBR domain containing protein; 3e-62; 64%	3 isoforms for Mm.245537 (1 exon- skipping, early polyA); 1 isoform for Rn.60559; 1 isoform for Dr.5019 (retired, now Dr.75502); 1 isoform for Dr.45833 (retired, now Dr.75502)
	McF0045E12	similar to (Q7Z4H3) {Homo sapiens} NS5ATP2	NM_027168.2; Mm.245537; Mus musculus HD domain containing 2, Hddc2; 9e- 19; 33%;;NM_001045231.1; Dr.75502; novel IBR domain containing protein; 3e-18; 17%	
C54 - scaff139 (120000- 130000): case 4- 5	McF0055P05	similar to UP Q9NY12 GAR1 protein (Nucleolar protein family A member 1); UP P78383 (P78383) UDP-galactose transporter related isozyme 1	BC081644.1; Dr.151422, Solute carrier family 35, member B3, slc35b3; cDNA clone; 2e-122; 86%;	NA for Dr.151422; 13 isoforms for Hs.285847 (exon- skipping); 12 isoforms for Mm.255506 (exon- skipping; 3' acceptor); 1 isoform for Dr.28990
	McF0005G16	similar to UP P78383 UDP-galactose transporter related isozyme 1	BC081644.1; Dr.151422, Solute carrier family 35, member B3, slc35b3; cDNA clone; 2e-122; 68%	
C56 - scaff5900 (28500-36000): case 4-5	CL2864Contig1	similar to SP P14550 AKA1_HUMAN Alcohol dehydrogenase [NADP+] (Aldehyde reductase) (Aldo-keto reductase family 1 member A1)	BC092808.1; Dr.83969; aldo-keto reductase family 1, member A1b (aldehyde reductase), akr1a1b; 5e-91; 82%	15 isoforms for Hs.474584 (3' acceptor; mutually exclusive exons, exon-skipping); 1 isoform for Rn.835; 3 isoforms for Mm.30085; 5 isoforms for Dr.13132 (retired, now Dr.83969)
	CL3130Contig1	similar to SP P14550 AKA1_HUMAN Alcohol dehydrogenase [NADP+] (Aldehyde reductase) (Aldo-keto reductase family 1 member A1)	BC092808.1; Dr.83969; aldo-keto reductase family 1, member A1b (aldehyde reductase), akr1a1b; 7e-76; 71%	

C57 - scaff6 (119000-126000): case 4-5	CL3069Contig1	similar to GB AAH49435.1 29437228 BC049435 glutamate oxaloacetate transaminase 2	BC049435.1; Dr.78147; glutamic-oxaloacetic transaminase 2b (aspartate aminotransferase 2); 1e-105; 71%	3 isoforms for Hs.460929 (retired, now Hs.599470; exon-skipping); 1 isoform for Rn.98650; 1 isoform for Dr.1544 (retired; now Dr.17618); 1 isoform for Dr. 17618
	McF0038A15	similar to GB AAH49435.1 29437228 BC049435 glutamate oxaloacetate transaminase 2	BC165803.1; Dr.17618; glutamic-oxaloacetic transaminase 2b (aspartate aminotransferase 2); 4e-92; 78%;;;;BC049435.1; Dr.78147; glutamic-oxaloacetic transaminase 2b (aspartate aminotransferase 2); 1e-91; 82%	
C58 - scaff11 (140000-161000): case 4-5	CL258Contig1	similar to UP Q7ZVA3 SH3-domain GRB2-like 1	BC04594.1; Dr.21043; SH3-domain GRB2-like 1b (sh3gl1b), mRNA, complete cds; 7e-157; 70%	1 isoform for Dr. 21043; 4 isoforms Mm.1773 (exon-skipping); 5 isoforms for Hs.97616
	McF0039K11	similar to UP SH31_MOUSE (Q62419) SH3-containing GRB2-like protein 1 (SH3 domain protein 2B) (SH3p8)	BC04594.1; Dr.21043; SH3-domain GRB2-like 1b (sh3gl1b), mRNA, complete cds; 2e-25; 28%	
C59- scaff2077 (47000-59000): case 4-5	McF0054C05	similar to UP Q7ZZR0 Methyl-CpG binding protein 3b	BC009372.1; Hs.178728; Homo sapiens methyl-CpG binding domain protein 3 (MBD3), mRNA, complete cds; 4e-79; 62%	8 isoforms for Hs.178728 (exon-skipping); 1 isoform for Mm.7142; 1 isoform for Rn.145218 (retired, now Rn.1737; 5' donor; exon-skipping)
	CL2695Contig1	similar to UP Q7ZZR0 Methyl-CpG binding protein 3b	BC009372.1; Hs.178728; Homo sapiens methyl-CpG binding domain protein 3 (MBD3), mRNA, complete cds; 3e-111; 58%	

C60 - scaff4355: case 4-5	McF0038N20	similar to UP Q8BV13 Mus musculus 16 days embryo head cDNA RIKEN full- length enriched library clone:C130003E18 product:COP9 (constitutive photomorphogenic) homolog subunit 7b (Arabidopsis thaliana); full insert sequence	BC059697.1; Dr.11003; Danio rerio COP9 constitutive photomorphogenic homolog subunit 7A (cops7a), partial cds; 3e- 125; 81%	0 isoforms in Dr.11003 (5' donor); 3 isoforms for Mm.1444
	CL2413Contig1	similar to UP Q8BV13 Mus musculus 16 days embryo head cDNA RIKEN full- length enriched library clone:C130003E18 product:COP9 (constitutive photomorphogenic) homolog subunit 7b (Arabidopsis thaliana) full insert sequence	BC059697.1; Dr.11003; Danio rerio COP9 constitutive photomorphogenic homolog subunit 7A (cops7a), partial cds; 4e- 123; 85%	
C62 - scaff8672: case 4-5	CL1619Contig1	similar to SP Q918U0 CX41_THUOB Cytochrome c oxidase subunit IV isoform 1 mitochondrial precursor (COX IV-1)	AY391417.1; Dr.76095; Danio rerio cytochrome c oxidase subunit IV isoform 1 (COX41); 4e- 92; 74%	1 isoform for Dr.38139 (retired, now Dr.76095); 3 isoforms for Mm.386758 (exon skipping); 10 isoforms for Hs.433419 (5' donor, 3' acceptor, exon skipping)
	CL2531Contig1	similar to SP Q918U0 CX41_THUOB Cytochrome c oxidase subunit IV isoform 1 mitochondrial precursor (COX IV-1)	AY391417.1; Dr.76095; Danio rerio cytochrome c oxidase subunit IV isoform 1 (COX41); 4e- 93; 71%	
C63 - scaff492: case 4-5	McF0028E17	similar to UniRef100_Q9BSQ2 Epidermal growth factor receptor pathway substrate 8- like protein 1 isoform c	XM_690047.3; Dr.87226; predicted: Danio rerio similar to epidermal growth factor receptor pathway substrate 8-like protein 1; 9e-21; 60%	1 isoform in Dr.42168 (retired, now Dr.87226)

	CL924Contig1	similar to UniRef100_UPI0000365367 UniRef100 entry	XM_690047.3; Dr.87226; predicted: Danio rerio similar to epidermal growth factor receptor pathway substrate 8-like protein 1; 3e-52; 70%	
C64 - scaff8111: case 4-5	McF0022H07	similar to UP SSF1_MOUSE (Q91YU8) Suppressor of SWI4 1 homolog (Ssf-1) (Peter Pan homolog)	BC045506.1; Dr.75454; Danio rerio peter pan homolog, ppan (Drosophila), mRNA, complete cds; 1e-42; 74%	1 isoform for Dr.15061 (retired, split into Dr.150502 and Dr.75454); 6 isoforms for Mm.2930
	CL337Contig1	similar to UP SSF1_MOUSE (Q91YU8) Suppressor of SWI4 1 homolog (Ssf-1) (Peter Pan homolog)	BC045506.1; Dr.75454; Danio rerio peter pan homolog, ppan (Drosophila), mRNA, complete cds; 2e-78; 74%	
C67 - scaff1476: case 4-5	CL99Contig1	similar to UP AAQ97854 Transgelin	BC066521.1; Dr.2363; Danio rerio transgelin 2 (tagln2); 2e-42; 24%	NA for Dr.2363; 4 isoforms for Hs.517168 (5' donor); 3 isoforms for Mm.271711
	CL99Contig2	similar to UP AAQ97854 Transgelin	BC066521.1; Dr.2363; Danio rerio transgelin 2 (tagln2); 1e-87; 70%	
C69 - scaff11504: case 4-5	McF0039H02	similar to UP AAQ91281 Vacuolar protein sorting 26	BC071350.1; Dr.32886; Danio rerio vacuolar protein sorting 26 homolog A (vps26a); 8e-133; 90%	1 isoform for Rn.3673; 7 isoforms in orthologous Mm.260703 (5' donor, mutually exclusive exons, exon skipping); 6 isoforms in Hs.499925 (exon-skipping 3' acceptor)
	McF0055B23	similar to UP AAQ91281 Vacuolar protein sorting 26	BC079150.1; Rn.3673; Rattus norvegicus vacuolar protein sorting 26 homolog A (Vps26a); 6e-115; 82%;; ; BC071350.1; Dr.32886; Danio rerio vacuolar protein sorting 26 homolog A (vps26a); 1e-110; 84%	
C71 - scaff28: case 4-5	McF0046O09	similar to GB AAP39968.1 32331179 AY262096 RTN1	BK005096.1; ; Oryzias latipes RTN1; 0.0; 82%;; ; AY555026.1; Tru.3522; Takifugu rubripes reticulon 1-A1 (RTN1); 1e-142; 82%	2 isoforms in Dr. 4188 (retired, now Dr.77106)
	McF0042P23	similar to GB AAP39968.1 32331179 AY262096 RTN1	BK005096.1; ; Oryzias latipes RTN1; 7e-120; 37%;; ; AY555026.1; Tru.3522; Takifugu rubripes reticulon 1-A1 (RTN1); 2e-120; 96%	

C74 - scaff5776: case 4-5	CL389Contig1	similar to UP 4F2_HUMAN (P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	BC159202.1; Dr.79263; Danio rerio solute carrier family 3, member 2 (slc3a2); 5e-67; 55%	2 isoforms for Dr.5513 (retired, now Dr.79263)
	McF0006C22	similar to UP 4F2_HUMAN (P08195) 4F2 cell-surface antigen heavy chain (4F2hc) (Lymphocyte activation antigen 4F2 large subunit) (4F2 heavy chain antigen) (CD98 antigen)	BC159202.1; Dr.79263; Danio rerio solute carrier family 3, member 2 (slc3a2); 5e-67; 66%	
C77 - scaff11042: case 4-5	McF0008H05	similar to UP S3B2_HUMAN (Q13435) Splicing factor 3B subunit 2 (Spliceosome associated protein 145) (SAP 145) (SF3b150) (Pre-mRNA splicing factor SF3b 145 kDa subunit)	BC115261; Dr.5469; Danio rerio mRNA, complete cds; 3e-144; 90%	1 isoform in Dr.5469; 2 isoforms for Mm.196532; 3 isoforms for Hs.406423
	McF0041C12	similar to UP S3B2_HUMAN (Q13435) Splicing factor 3B subunit 2 (Spliceosome associated protein 145) (SAP 145) (SF3b150) (Pre-mRNA splicing factor SF3b 145 kDa subunit)	BC115261; Dr.5469; Danio rerio mRNA, complete cds; 0.0; 95%	
C78 - scaff595: case 4-5	McF0007P24	similar to UP Q9NPA8 E(Y)2 homolog (DC6)	AK000487; Hs.492555 (Enhancer of yellow 2 homolog, ENY2); Homo sapiens cDNA clone; 3e-49; 51%	8 isoforms for Hs.492555 (5' donor; exon skipping); 1 isoform for Mm.291828
	McF0047G04	similar to UP Q9NPA8 E(Y)2 homolog (DC6)	AK000487; Hs.492555 (Enhancer of yellow 2 homolog, ENY2); Homo sapiens cDNA clone; 1e-47; 54%	

C81 - scaff650: case 4-5	CL318Contig1	similar to AAP13460 Breast cancer- associated protein SGA-1M	BC076296; Dr.109068, Nedd4 family interacting protein 1, like (ndfip1l); Danio rerio mRNA, complete cds; 2e-124; 66%	2 isoforms for Hs.9788 (5' donor); 3 isoforms for Mm.102496; 1 isoform for Dr.1866
	CL318Contig2	similar to AAP13460 Breast cancer- associated protein SGA-1M	BC076296; Dr.109068, Nedd4 family interacting protein 1, like (ndfip1l); Danio rerio mRNA, complete cds; 1e-94; 79%	
C82 - scaff2344: case 4-5	CL3365Contig1	similar to SP Q15370 ELOB_HUMAN Transcription elongation factor B polypeptide 2 (RNA polymerase II transcription factor SIII subunit B) (SIII p18) (Elongin B) (EloB)(Elongin 18 kDa subunit)	NM_001142954; Dr.33340; Danio rerio transcription elongation factor B (SIII), polypeptide 2 (tceb2); 8e-64; 48%	2 isoforms for Dr.12206 (retired, now Dr.33340)
	McF0007G21	similar to SP Q15370 ELOB_HUMAN Transcription elongation factor B polypeptide 2 (RNA polymerase IItranscription factor SIII subunit B) (SIII p18) (Elongin B) (EloB)(Elongin 18 kDa subunit)	NM_001142954; Dr.33340; Danio rerio transcription elongation factor B (SIII), polypeptide 2 (tceb2); 3e-62; 46%	
different events				
C83 - scaff12763 (2000-12000): mixed	McF0041N07	similar to GB AAH52118.1 30354417 BC052118 microfibrillar- associated protein 1	BC052118; Dr.77030; Danio rerio microfibrillar- associated protein 1 (mfap1); 4e-111; 63%	1 isoform in Dr.10072 (retired, split into Dr.122557 and Dr.77030); 1 isoform for Hs.61418
	CL3487Contig1	similar to GB AAH52118.1 30354417 BC052118 microfibrillar- associated protein 1	BC052118; Dr.77030; Danio rerio microfibrillar- associated protein 1 (mfap1); 4e-175; 80%	
C84 - scaff1700 (67500-78000): mixed	McF0002D22	similar to (Q9QXV3) Inhibitor of growth protein 1	AY624105; Rn.145491 (Ing1); Rattus norvegicus p24ING1c variant 2 mRNA; 4e-36; 40%	NA for Rn; 6 isoforms for Mm.25709

	McF0018K06	similar to GB AAG12175.1 10039549 HSP33ING2 p33ING1	BC166594; Rn.221994 (Ing1); Rattus norvegicus inhibitor of growth family, member 1; 4e-42; 45%	
C86 - scaff558 (37000-64000): mixed	CL2783Contig1	similar to GB AAH48047.1 28856130 BC048047 acidic (leucine-rich) nuclear phosphoprotein 32 family member A	BC048047; Dr.20261; Danio rerio acidic (leucine-rich) nuclear phosphoprotein 32 family, member A; 3e- 177; 83%	2 isoforms for Dr.20261 (exon skipping); 1 isoform for Hs.458747
	McF0015J02	similar to GB AAH48047.1 28856130 BC048047 acidic (leucine-rich) nuclear phosphoprotein 32 family member A	BC048047; Dr.20261; Danio rerio acidic (leucine-rich) nuclear phosphoprotein 32 family, member A; 7e- 160; 73%	
C87 - scaff2483: mixed	CL2651Contig1	similar to AAQ97761 Chloride intracellular channel 4	BC051622; Dr.20376; Danio rerio chloride intracellular channel 4 (clic4); 0.0; 73%	1 isoform for Dr.20376; 1 isoform for Mm.257765
	McF0024B06	similar to AAQ97761 Chloride intracellular channel 4	BC051622; Dr.20376; Danio rerio chloride intracellular channel 4 (clic4); 8e-40; 48%	
C89 - scaff8722: mixed	CL2595Contig1	similar to SP P31717 NMT1_BOVIN Glycylpeptide N- tetradecanoyltransfer ase 1 (Peptide N- myristoyltransferase 1) (Myristoyl- CoA:protein N- myristoyltransferase1) (NMT 1) (Type I N- myristoyltransferase)	BC056805; Dr.77367; Danio rerio N- myristoyltransferase 1a (nmt1a); 1e-161; 99%	3 isoforms for Hs.532790 (exon skipping); 3 isoforms for Dr.4323 (retired; now Dr.77367); 1 isoform for Rn.830
	McF0045M04	similar to SP P31717 NMT1_BOVIN Glycylpeptide N- tetradecanoyltransfer ase 1 (Peptide N- myristoyltransferase 1) (Myristoyl- CoA:protein N- myristoyltransferase1) (NMT 1) (Type I N- myristoyltransferase)	BC056805; Dr.77367; Danio rerio N- myristoyltransferase 1a (nmt1a); 4e-92; 86%	

C91 - scaff4972: mixed	CL1644Contig1	similar to UP Q6NX50 CDC10 protein (Fragment)	BC097235; Dr74453; Danio rerio mRNA; 0.0; 87%	2 isoforms for Hs.55846 (retired, now Hs.136901; exon skipping)
	McF0010102	similar to UP AAH25987 CDC10 protein (Fragment)	BC097235; Dr74453; Danio rerio mRNA; 0.0; 91%	
C92 - scaff4236: mixed	McF0024J09	similar to UP AAH59741 MGC75715 protein	NA	1 isoform for Dr.7484 (retired, now Dr.78109)
	CL225Contig1	similar to UP AAH59741 MGC75715 protein	BC071370; Dr.78109; Danio rerio peptidylprolyl isomerase A, like (ppial); 7e-107; 47%	
C93 - scaff980: mixed	CL70Contig1	similar to OLGI UP Q9DEQ6 Eukaryote initiation factor 2 beta	BC000934; Hs.429180; Homo sapiens eukaryotic translation initiation factor 2, subunit 2 beta (EIF2S2); 5e-92; 85%	1 isoform for Dr.25507; NA for Hs.429180; 4 isoforms for Rn.133804
	CL70Contig2	similar to OLGI UP Q9DEQ6 Eukaryote initiation factor 2 beta	BC066706; Dr.25507; Danio rerio eukaryotic translation initiation factor 2, subunit 2 beta (eif2s2); 2e-166; 39%	
	CL70Contig3	similar to OLGI UP Q9DEQ6 Eukaryote initiation factor 2 beta	BC066706; Dr.25507; Danio rerio eukaryotic translation initiation factor 2, subunit 2 beta (eif2s2); 7e-160; 87%	
C94 - scaff548: mixed	CL21Contig1	similar to SP P29218 MYOP_HUMAN Inositol-1(or 4)- monophosphatase (IMPase) (IMP) (Inositol monophosphatase) (Lithium-sensitive myo- inositolmonosphat ase A1)	BC076438; Dr.102158; Danio rerio inositol(myo)- 1(or 4)- monophosphatase 1 (impa1); 4e-61; 66%	6 isoforms for Hs.492120 (retired, now mainly Hs.695965; 5' donor; exon skipping); 1 isoform for Mm.183042; 1 isoform for Dr.32129 (retired, now split into Dr.10158 and Dr.85831)
	CL21Contig2	similar to SP P29218 MYOP_HUMAN Inositol-1(or 4)- monophosphatase (IMPase) (IMP) (Inositol monophosphatase) (Lithium-sensitive myo- inositolmonosphat ase A1)	BC076438; Dr.102158; Danio rerio inositol(myo)- 1(or 4)- monophosphatase 1 (impa1); 5e-41; 32%	

C96 - scaff367: mixed	McF0041D18	similar to UP Q7T0F4 Cellular retinoic acid-binding protein	BC164739; Dr.83594; Danio rerio cellular retinoic acid binding protein 1a (crabp1a); 7e-89; 64%	no isoform calculated for Dr.12552 (retired, now Dr.83594); 1 isoform for Mm.34797; 2 isoforms for Hs.346950 (3' acceptor)
	McF0044C18	similar to UP Q7T0F4 Cellular retinoic acid-binding protein	BC164739; Dr.83594; Danio rerio cellular retinoic acid binding protein 1a (crabp1a); 6e-45; 48%	
	McF0043L19	similar to UP Q7T0F4 Cellular retinoic acid-binding protein	BC164739; Dr.83594; Danio rerio cellular retinoic acid binding protein 1a (crabp1a); 3e-55; 72%	
C98 - scaff1190: mixed	McF0055E01	similar to UP MPP6_HUMAN (Q9NZW5) MAGUK p55 subfamily member 6 (Veli-associated MAGUK 1) (VAM-1)	BC171539; Dr.67769; Danio rerio membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6); mpp6; 5e-27; 33%	NA for Dr.67769; 4 isoforms for Hs.533355 (exon skipping); 4 isoforms for Mm.41288 (exon skipping)
	McF0037B06	similar to UP MPP6_HUMAN (Q9NZW5) MAGUK p55 subfamily member 6 (Veli-associated MAGUK 1) (VAM-1)	BC171539; Dr.67769; Danio rerio membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6); mpp6; 1e-22; 34%	