

Table 3. Accession codes for nearby paralogs included in trees

Common gene name*	NCBI accession no.	Genus	Species
KIAA1100/RNF38			
<i>CG9381</i>	NP_731366.1	<i>Drosophila</i>	<i>melanogaster</i>
<i>ENSANGG00000023585</i>	XP_321787.1	<i>Anopheles</i>	<i>gambiae</i>
<i>Rnf44</i>	BAA83052.2	<i>Homo</i>	<i>sapiens</i>
<i>KIAA1100</i>	CAF94220.1	<i>Tetraodon</i>	<i>nigroviridis</i>
<i>LOC361212</i>	XP_341495.1	<i>Rattus</i>	<i>norvegicus</i>
<i>LOC408543</i>	XP_392089.1	<i>Apis</i>	<i>mellifera</i>
<i>Rnf44</i>	BAC98100.1	<i>Mus</i>	<i>musculus</i>
<i>Oip1</i>	AAH83548.1	<i>Rattus</i>	<i>norvegicus</i>
<i>RNF38</i>	NP_073618.3	<i>Homo</i>	<i>sapiens</i>
<i>Rnf38</i>	NP_780410.1	<i>Mus</i>	<i>musculus</i>
<i>TEgg056n21</i>	CR760616.1	<i>Xenopus</i>	<i>tropicalis</i>
<i>TGas002p06</i>	CR855669.1	<i>Xenopus</i>	<i>tropicalis</i>
<i>ENSDARG00000030070</i>	ENSDART00000048387 (ENSEMBL)	<i>Danio</i>	<i>rerio</i>
<i>ENSGALT00000024714</i>	ENSGALT00000024714 (ENSEMBL)	<i>Gallus</i> □	<i>gallus</i>
<i>SINFRUG00000154157</i>	SINFRUT00000164038 (ENSEMBL)	<i>Takifugu</i>	<i>rubripes</i>
SEPTIN4/SEPTIN5			
<i>CG9699</i>	NP_728007.1	<i>Drosophila</i>	<i>melanogaster</i>
<i>ENSANGG00000014962</i>	XP_311306.1	<i>Anopheles</i>	<i>gambiae</i>
<i>GA21972</i>	EAL31722.1	<i>Drosophila</i>	<i>pseudoobscura</i>
<i>Gp1bb</i>	NP_446383.1	<i>Rattus</i>	<i>norvegicus</i>
<i>EG3RVC</i>	XP_213413.2	<i>Rattus</i>	<i>norvegicus</i>
<i>LOC293507</i>	XP_215071.2	<i>Rattus</i>	<i>norvegicus</i>
<i>LOC416778</i>	XP_415072.1	<i>Gallus</i>	<i>gallus</i>
<i>Sep4</i>	NP_035259.1	<i>Mus</i>	<i>musculus</i>
<i>Sept1</i>	NP_059489.1	<i>Mus</i>	<i>musculus</i>
<i>SEPT1</i>	NP_443070.1	<i>Homo</i>	<i>sapiens</i>
<i>SEPT4</i>	CAF94531.1	<i>Tetraodon</i>	<i>nigroviridis</i>
<i>DKFZp459I029</i>	CAH92543.1	<i>Pongo</i>	<i>pygmaeus</i>
<i>SEPT4</i>	NP_004565.1	<i>Homo</i>	<i>sapiens</i>
<i>Sept5</i>	AAH59848.1	<i>Mus</i>	<i>musculus</i>
<i>AB056419</i>	BAB33077.1	<i>Macaca</i>	<i>fascicularis</i>
<i>SEPT5</i>	NP_002679.2	<i>Homo</i>	<i>sapiens</i>
<i>zgc:100950</i>	AAH78256.1	<i>Danio</i>	<i>rerio</i>
<i>zgc:73218</i>	NP_956282.1	<i>Danio</i>	<i>rerio</i>
MTMR3/MTMR4			
<i>22J3.6</i>	CAD28129.1	<i>Anopheles</i>	<i>gambiae</i>
<i>CG3632</i>	AAQ22540.1	<i>Drosophila</i>	<i>melanogaster</i>
<i>LOC287607</i>	XP_213426.2	<i>Rattus</i>	<i>norvegicus</i>
<i>LOC417014</i>	XP_415304.1	<i>Gallus</i>	<i>gallus</i>
<i>LOC417472</i>	XP_415720.1	<i>Gallus</i>	<i>gallus</i>
<i>Mtmr3</i>	AAH81544.1	<i>Mus</i>	<i>musculus</i>
<i>Mtmr3</i>	AAH87045.1	<i>Rattus</i>	<i>norvegicus</i>
<i>Mtmr3</i>	CAG02483.1	<i>Tetraodon</i>	<i>nigroviridis</i>
<i>MTMR3</i>	NP_066576.1	<i>Homo</i>	<i>sapiens</i>
<i>Mtmr3</i>	AAH59312.1	<i>Xenopus</i>	<i>laevis</i>
<i>LOC494749</i>	AAH82848.1	<i>Xenopus</i>	<i>laevis</i>
<i>Mtmr4</i>	CAF98531.1	<i>Tetraodon</i>	<i>nigroviridis</i>
<i>MTMR4</i>	NP_004678.2	<i>Homo</i>	<i>sapiens</i>
<i>Mtmr4</i>	NP_573478.1	<i>Mus</i>	<i>musculus</i>
<i>mtmr4-prov</i>	AAH45024.1	<i>Xenopus</i>	<i>laevis</i>

*Common name listed is the gene name (italicized) or an assigned name where no gene or clone name exist (non-italicized). Exceptions are clone names TEgg056n21, TGas002p06, cieg025p22, and TNeu103k13. Subheadings (bold) are protein names.

FLJ20315/KIAA1133

4732452J19Rik
 CiGI
 FLJ20315
 AB051436
 KIAA1133
 KIAA1133
 LOC303412
 LOC416919
 OTTMUSP00000005301

AAH75707.1
 BAC22752.1
 CAF98529.1
 NP_060233.3
 BAB33319.1
 CAG08175.1
 XP_220829.2
 XP_415210.1
 CAI24933.1

Mus musculus
Ciona intestinalis
Tetraodon nigroviridis
Homo sapiens
Homo sapiens
Tetraodon nigroviridis
Rattus norvegicus
Gallus gallus
Mus musculus

PPM1E/PPM1F

CAAB01005306
 CG10376
 cieg025p22
 GA10286
 LOC417627
 LOC468424
 PPM1E
 Ppm1e
 Ppm1e
 PPM1F
 Ppm1f
 Ppm1f
 ENSDARG00000005786
 ENSDARG00000026455

CAAB01005306
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 AK114880
 EAL33969.1
 XP_415871.1
 XP_523813.1
 AAM76058.1
 NP_796141.2
 NP_942068.1
 NP_055449.1
 NP_786931.1
 NP_789803.1
 ENSDART00000011896 (ENSEMBL)
 ENSDART00000042581 (ENSEMBL)

Takifugu rubripes
Drosophila melanogaster
Ciona intestinalis
Drosophila pseudoobscura
Gallus gallus
Pan troglodytes
Homo sapiens
Mus musculus
Rattus norvegicus
Homo sapiens
Rattus norvegicus
Mus musculus
Danio rerio
Danio rerio

YPEL1/YPEL2

DKFZp469J124
 LOC408838
 LOC416774
 qdgl-1
 RCJMB04_31k2
 TNeu103k13
 YPEL1
 Ypel1
 YPEL1
 ypel1-prov
 YPEL2
 E130113K08Rik
 YPEL2
 zgc:100954

CR857865.1
 XM_392369.1
 XM_415068.1
 AF190625.1
 AJ720977.1
 CR760137.1
 AB098735.1
 AB098740.1
 AB160977.1
 BC077489.1
 AB098736.1
 AB098741.2
 AB160978.1
 BC079498.1

Pongo pygmaeus
Apis mellifera
Gallus gallus
Coturnix coturnix
Gallus gallus
Xenopus tropicalis
Homo sapiens
Mus musculus
Cercopithecus aethiops
Xenopus laevis
Homo sapiens
Mus musculus
Cercopithecus aethiops
Danio rerio

AP1B1/AP2B1

AP1B1
 Ap1b1
 Ap1b1
 Ap1b1
 AP2B1
 Ap2b1
 Ap2b1
 Ap2b1
 Ap2b1
 Ap2b1
 Ap2b1-prov
 CG12532
 DKFZp469O1619
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 GA11682
 LOC417021
 MGC75877
 ENSGALG00000002140

NP_001118.2
 NP_058973.1
 BAC28603.1
 CAG08478.1
 CAH18240.1
 AAH46772.1
 M77246
 AAH49138.1
 CAF97314.1
 AAH43793.1
 NP_523415.1
 CAH92283.1
 EAA01744.2
 EAL31955.1
 XP_415311.1
 AAH63350.1
 ENSGALP0000003342 (ENSEMBL)

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