

Table 4. Protein sequence analysis of some potential stem cell genes with unknown function

Uncharacterized genes	Protein domain and similarity	Correlation	Unigene
A430017F18*	No similar gene	1.000	Mm.44883
AU044919*	No similar gene	1.000	Mm.14438
2310075M17Rik*	Similar to S3543 GTP-binding protein (90%)	0.999	Mm.196592
Ell2-pending*	Eleven-nineteen lysine-rich leukemia gene 2	0.998	Mm.21288
LOC207685*	Hypothetical protein	0.998	Mm.38214
2310061I04Rik*	No similar gene	0.998	Mm.5624
5830431A10Rik*	Contain Cor1/Xlr/Xmr conserved region	0.997	Mm.1148
2700007P21Rik*	Unknown protein	0.997	Mm.3587
B930086G17*	No similar gene	0.992	Mm.24738
2410166I05Rik*	Hypothetical protein	0.989	Mm.30153
D10ErtD749e*	Similar to ZW10 interacting protein-1	0.986	Mm.38994
2210023F24Rik*	Contain B-box Zn-finger and SPRY domain	0.983	Mm.5510
Riken 4237666*	No significant similar gene	0.978	Mm.276231
6230421P05Rik*	No similar gene	0.978	Mm.26147
4631408O11Rik*	No similar gene	0.964	Mm.2935
1110054N06Rik*	Unknow protein with Ankyrin repeat	0.960	Mm.15351
D13ErtD275e	Hypothetical protein	-0.952	Mm.21231
Plac8	Uncharacterized Cys-rich domain containing protein	-0.960	Mm.34609
Cluster Incl X15378	Similar to Myeloperoxidase and Eosinophil peroxidase precursor	-0.975	Mm.4668
Cluster Incl X67863	Similar to Octapeptide-repeat protein T2	-0.995	Mm.35868
AW060549	Similar to Retrovirus-related POL polyprotein	-0.999	Mm.29177
Cluster Incl X90778	Similar to Histone H2B	-1.000	Mm.21579
BC018347	Similar to translation initiation factor IF-2	-1.000	Mm.154309
2610036L13Rik	No similar gene	-1.000	Mm.23526
AI132321	Contain phospholipase D active site motif	-1.000	Mm.203915

The protein sequence of each gene with unknown functions from Tables 2 and 3 was searched against the National Center for Biotechnology Information protein database for conserved functional domains and similar proteins. Genes from Table 2 are indicated by *.