

Table S1. Genes coding for functional cytoplasmic and mitochondrial proteins (A) in the human genome, and (B) in the mouse genome.

	human cRPGs
<i>Symbol</i>	<i>Accession</i>
RPSAP58	ENSG00000205246
RPSA	ENSG00000168028
RPS9	ENSG00000170889
RPS8	ENSG00000142937
RPS7	ENSG00000171863
RPS6	ENSG00000137154
RPS5	ENSG00000083845
RPS4Y2	ENSG00000157828
RPS4Y1	ENSG00000129824
RPS4XP21	ENSG00000186008
RPS4X	ENSG00000198034
RPS3	ENSG00000149273
RPS3A	ENSG00000145425
RPS2	ENSG00000140988
RPS29	ENSG00000213741
RPS28	ENSG00000233927
RPS27L	ENSG00000185088
RPS27	ENSG00000177954
RPS27A	ENSG00000143947
RPS26	ENSG00000197728
RPS25	ENSG00000118181
RPS24	ENSG00000138326
RPS23	ENSG00000186468
RPS21	ENSG00000171858
RPS20	ENSG00000008988
RPS19	ENSG00000105372
RPS18	ENSG00000231500
RPS17L	ENSG00000182774
RPS17	ENSG00000184779
RPS16	ENSG00000105193
RPS15	ENSG00000115268
RPS15A	ENSG00000134419
RPS14	ENSG00000164587

RPS13	ENSG00000110700
RPS12	ENSG00000112306
RPS11	ENSG00000142534
RPS10	ENSG00000124614
RPLP2	ENSG00000177600
RPLP1	ENSG00000137818
RPLP0	ENSG00000089157
RPL9	ENSG00000163682
RPL8	ENSG00000161016
RPL7L1	ENSG00000146223
RPL7	ENSG00000147604
RPL7A	ENSG00000148303
RPL6	ENSG00000089009
RPL5	ENSG00000122406
RPL4	ENSG00000174444
RPL41	ENSG00000229117
RPL3L	ENSG00000140986
RPL3	ENSG00000100316
RPL39L	ENSG00000163923
RPL39	ENSG00000198918
RPL38	ENSG00000172809
RPL37	ENSG00000145592
RPL37A	ENSG00000197756
RPL36	ENSG00000130255
RPL36AL	ENSG00000165502
RPL36A	ENSG00000241343
RPL35	ENSG00000136942
RPL35A	ENSG00000182899
RPL34	ENSG00000109475
RPL32	ENSG00000144713
RPL31	ENSG00000071082
RPL30	ENSG00000156482
RPL29	ENSG00000162244
RPL28	ENSG00000108107
RPL27	ENSG00000131469
RPL27A	ENSG00000166441
RPL26L1	ENSG00000037241
RPL26	ENSG00000161970
RPL24	ENSG00000114391
RPL23	ENSG00000125691
RPL23A	ENSG00000198242
RPL22L1	ENSG00000163584

RPL22	ENSG00000116251
RPL21	ENSG00000122026
RPL19	ENSG00000108298
RPL18	ENSG00000063177
RPL18A	ENSG00000105640
RPL17	ENSG00000265681
RPL17	ENSG00000215472
RPL15	ENSG00000174748
RPL14	ENSG00000188846
RPL13	ENSG00000167526
RPL13A	ENSG00000142541
RPL12	ENSG00000197958
RPL11	ENSG00000142676
RPL10L	ENSG00000165496
RPL10	ENSG00000147403
RPL10A	ENSG00000198755

human A147mRPGS

Symbol *Accession*

MRPS9	ENSG00000135972
MRPS7	ENSG00000125445
MRPS6	ENSG00000243927
MRPS5	ENSG00000144029
MRPS36	ENSG00000134056
MRPS35	ENSG00000061794
MRPS34	ENSG00000074071
MRPS33	ENSG00000090263
MRPS31	ENSG00000102738
MRPS30	ENSG00000112996
MRPS2	ENSG00000122140
MRPS28	ENSG00000147586
MRPS27	ENSG00000113048
MRPS26	ENSG00000125901
MRPS25	ENSG00000131368
MRPS24	ENSG00000062582
MRPS23	ENSG00000181610
MRPS22	ENSG00000175110
MRPS18C	ENSG00000163319
MRPS18B	ENSG00000204568
MRPS18A	ENSG00000096080
MRPS17	ENSG00000239789

MRPS16	ENSG00000182180
MRPS15	ENSG00000116898
MRPS14	ENSG00000120333
MRPS12	ENSG00000128626
MRPS11	ENSG00000181991
MRPS10	ENSG00000048544
MRPL9	ENSG00000143436
MRPL55	ENSG00000162910
MRPL54	ENSG00000183617
MRPL53	ENSG00000204822
MRPL52	ENSG00000172590
MRPL51	ENSG00000111639
MRPL50	ENSG00000136897
MRPL4	ENSG00000105364
MRPL49	ENSG00000149792
MRPL48	ENSG00000175581
MRPL47	ENSG00000136522
MRPL46	ENSG00000259494
MRPL45	ENSG00000174100
MRPL44	ENSG00000135900
MRPL43	ENSG00000055950
MRPL42	ENSG00000198015
MRPL41	ENSG00000182154
MRPL40	ENSG00000185608
MRPL3	ENSG00000114686
MRPL39	ENSG00000154719
MRPL38	ENSG00000204316
MRPL37	ENSG00000116221
MRPL36	ENSG00000171421
MRPL35	ENSG00000132313
MRPL34	ENSG00000130312
MRPL33	ENSG00000243147
MRPL32	ENSG00000106591
MRPL30	ENSG00000185414
MRPL2	ENSG00000112651
MRPL28	ENSG00000086504
MRPL27	ENSG00000108826
MRPL24	ENSG00000143314
MRPL23	ENSG00000214026
MRPL22	ENSG00000082515
MRPL21	ENSG00000197345
MRPL20	ENSG00000242485

MRPL1	ENSG00000169288
MRPL19	ENSG00000115364
MRPL18	ENSG00000112110
MRPL17	ENSG00000158042
MRPL16	ENSG00000166902
MRPL15	ENSG00000137547
MRPL14	ENSG00000180992
MRPL13	ENSG00000172172
MRPL12	ENSG00000262814
MRPL11	ENSG00000174547
MRPL10	ENSG00000159111
MRP63	ENSG00000173141

mouse cRPGs+A231

RPL10	ENSMUSG00000008682
RPL10A	ENSMUSG00000037805
RPL10L	ENSMUSG00000060499
RPL11	ENSMUSG00000059291
RPL12	ENSMUSG00000038900
RPL13	ENSMUSG00000000740
RPL13A	ENSMUSG00000074129
RPL14	ENSMUSG00000025794
RPL15	ENSMUSG00000012405
RPL17	ENSMUSG00000062328
RPL18	ENSMUSG00000059070
RPL18A	ENSMUSG00000045128
RPL19	ENSMUSG00000017404
RPL21	ENSMUSG00000041453
RPL22	ENSMUSG00000028936
RPL22L1	ENSMUSG00000039221
RPL23	ENSMUSG00000071415
RPL23A	ENSMUSG00000058546
RPL26	ENSMUSG00000060938
RPL27	ENSMUSG00000063316
RPL27A	ENSMUSG00000046364
RPL28	ENSMUSG00000030432
RPL29	ENSMUSG00000048758
RPL3	ENSMUSG00000060036
RPL30	ENSMUSG00000058600
RPL31	ENSMUSG00000073702
RPL32	ENSMUSG00000057841
RPL34	ENSMUSG00000062006

RPL35	ENSMUSG00000062997
RPL35A	ENSMUSG00000060636
RPL36	ENSMUSG00000057863
RPL36A	ENSMUSG00000079435
RPL36AL	ENSMUSG00000049751
RPL37	ENSMUSG00000041841
RPL37A	ENSMUSG00000046330
RPL38	ENSMUSG00000057322
RPL39	ENSMUSG00000079641
RPL39L	ENSMUSG00000039209
RPL3L	ENSMUSG00000002500
RPL4	ENSMUSG00000032399
RPL5	ENSMUSG00000058558
RPL6	ENSMUSG00000029614
RPL7	ENSMUSG00000043716
RPL7A	ENSMUSG00000062647
RPL7L1	ENSMUSG00000063888
RPL8	ENSMUSG00000003970
RPL9	ENSMUSG00000047215
RPLP0	ENSMUSG00000067274
RPLP1	ENSMUSG00000007892
RPLP2	ENSMUSG00000025508
RPS10	ENSMUSG00000052146
RPS11	ENSMUSG00000003429
RPS12	ENSMUSG00000061983
RPS13	ENSMUSG00000090862
RPS14	ENSMUSG00000024608
RPS15	ENSMUSG00000063457
RPS15A	ENSMUSG00000008683
RPS16	ENSMUSG00000037563
RPS17	ENSMUSG00000061787
RPS18	ENSMUSG00000008668
RPS19	ENSMUSG00000040952
RPS19BP1	ENSMUSG00000051518
RPS2	ENSMUSG00000044533
RPS20	ENSMUSG00000028234
RPS21	ENSMUSG00000039001
RPS23	ENSMUSG00000049517
RPS24	ENSMUSG00000025290
RPS25	ENSMUSG00000009927
RPS26	ENSMUSG00000025362
RPS27	ENSMUSG00000090733

RPS27A	ENSMUSG00000020460
RPS27L	ENSMUSG00000036781
RPS28	ENSMUSG00000067288
RPS29	ENSMUSG00000034892
RPS3	ENSMUSG00000030744
RPS3A	ENSMUSG00000028081
RPS4X	ENSMUSG00000031320
RPS4Y2	ENSMUSG00000063171
RPS5	ENSMUSG00000012848
RPS6	ENSMUSG00000028495
RPS7	ENSMUSG00000061477
RPS8	ENSMUSG00000047675
RPS9	ENSMUSG00000006333
RPSA	ENSMUSG00000032518

mouse mRPGs

MRPL1	ENSMUSG00000029486
MRPL10	ENSMUSG00000001445
MRPL11	ENSMUSG00000024902
MRPL12	ENSMUSG00000039640
MRPL13	ENSMUSG00000022370
MRPL14	ENSMUSG00000023939
MRPL15	ENSMUSG00000033845
MRPL16	ENSMUSG00000024683
MRPL17	ENSMUSG00000030879
MRPL18	ENSMUSG00000057388
MRPL19	ENSMUSG00000030045
MRPL2	ENSMUSG00000002767
MRPL20	ENSMUSG00000029066
MRPL21	ENSMUSG00000024829
MRPL22	ENSMUSG00000020514
MRPL23	ENSMUSG00000037772
MRPL24	ENSMUSG00000019710
MRPL27	ENSMUSG00000024414
MRPL28	ENSMUSG00000024181
MRPL3	ENSMUSG00000032563
MRPL30	ENSMUSG00000026087
MRPL32	ENSMUSG00000015672
MRPL33	ENSMUSG00000029142
MRPL34	ENSMUSG00000034880
MRPL35	ENSMUSG00000052962
MRPL36	ENSMUSG00000021607

MRPL37	ENSMUSG00000028622
MRPL38	ENSMUSG00000020775
MRPL39	ENSMUSG00000022889
MRPL4	ENSMUSG00000003299
MRPL40	ENSMUSG00000022706
MRPL41	ENSMUSG00000036850
MRPL42	ENSMUSG00000062981
MRPL43	ENSMUSG00000025208
MRPL44	ENSMUSG00000026248
MRPL45	ENSMUSG00000018882
MRPL46	ENSMUSG00000030612
MRPL47	ENSMUSG00000037531
MRPL48	ENSMUSG00000030706
MRPL49	ENSMUSG00000007338
MRPL50	ENSMUSG00000044018
MRPL51	ENSMUSG00000030335
MRPL52	ENSMUSG00000010406
MRPL53	ENSMUSG00000030037
MRPL54	ENSMUSG00000034932
MRPL55	ENSMUSG00000036860
MRPL9	ENSMUSG00000028140
MRPS10	ENSMUSG00000034729
MRPS11	ENSMUSG00000030611
MRPS12	ENSMUSG00000045948
MRPS14	ENSMUSG00000058267
MRPS15	ENSMUSG00000028861
MRPS16	ENSMUSG00000049960
MRPS17	ENSMUSG00000034211
MRPS18A	ENSMUSG00000023967
MRPS18B	ENSMUSG00000024436
MRPS18C	ENSMUSG00000016833
MRPS2	ENSMUSG00000035772
MRPS21	ENSMUSG00000054312
MRPS22	ENSMUSG00000032459
MRPS23	ENSMUSG00000023723
MRPS24	ENSMUSG00000020477
MRPS25	ENSMUSG00000014551
MRPS26	ENSMUSG00000037740
MRPS27	ENSMUSG00000041632
MRPS28	ENSMUSG00000040269
MRPS30	ENSMUSG00000021731
MRPS31	ENSMUSG00000031533

MRPS33	ENSMUSG00000029918
MRPS34	ENSMUSG00000038880
MRPS35	ENSMUSG00000040112
MRPS36	ENSMUSG00000061474
MRPS5	ENSMUSG00000027374
MRPS6	ENSMUSG00000039680
MRPS9	ENSMUSG00000060679