Supplement I – Gene Listings

Seven genomic putative ORF translated databases were scored using the SM^2 methodology described. The databases are from:

ftp.ebi.ac.uk/pub/databases/SPproteomes/fasta_files/proteomes/

The seven databases (including their designator from ftp.ebi.ac.uk) are:

- 3702 - Arabidopsis
- 6239 - *C. elegans*
- 7227 - *Drosophila*
- 83333 - *E. coli*
- 9606 - Human
- 10090 - Mouse
- 4932 - *S. cerevisiae*

For each genome, only the putative methyltransferases are shown. Genes considered 'known' were scored as either a methyltransferase or not, this information was used to establish, for each putative, the cumulative percent methyltransferases of the known genes up to that point.

The *Saccharomyces cerevisiae* database used here is different than the one used earlier in this chapter. Additionally, scoring of this database was performed as per the other 6 genomes in this section for consistency.

Arabidopsis

Percentile	Genename
100	Q9ZVM5 (Q9ZVM5) T22H22.9 protein
100	Q9SUC2 (Q9SUC2) Hypothetical 106.1 kDa protein
100	Q9SUC1 (Q9SUC1) Hypothetical 97.7 kDa protein
100	Q9SGV5 (Q9SGV5) F1N19.17
100	Q9MAT5 (Q9MAT5) F13M7.14 protein (At1g04870/F13M7_12)
100	Q9M9E5 (Q9M9E5) F3F9.21
100	Q9LY74 (Q9LY74) Putative chloroplast inner envelope protein
100	Q9LSR5 (Q9LSR5) Gb|AAF35419.1
100	Q9LR22 (Q9LR22) F26F24.24
100	Q9LQD5 (Q9LQD5) F28C11.1 (Fragment)
100	Q9LMH1 (Q9LMH1) F16A14.7
100	Q9LDW4 (Q9LDW4) Genomic DNA, chromosome 3, P1 clone: MJK13 (MJK13.19 protein) (Hypothetical protein)
100	Q9FGZ0 (Q9FGZ0) Genomic DNA, chromosome 5, TAC clone:K6M13

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100    Q9C8X9 (Q9C8X9) Hypothetical 42.8 kDa protein
100    Q9C786 (Q9C786) Hypothetical 87.5 kDa protein
100    O64850 (O64850) Hypothetical 63.8 kDa protein
 97    Q9SVL4 (Q9SVL4) Hypothetical 27.9 kDa protein
 97    Q9LY86 (Q9LY86) Hypothetical 72.0 kDa protein
 97    Q9FN85 (Q9FN85) Gb|AAB08476.1
 97    O23261 (O23261) Hypothetical 29.3 kDa protein
 96    Q9ZW75 (Q9ZW75) At2g43200 protein
 96    Q9ZPT3 (Q9ZPT3) At2g14060 protein
 96    Q9SMZ8 (Q9SMZ8) Hypothetical 19.6 kDa protein
 96    Q9SMZ7 (Q9SMZ7) Hypothetical 34.3 kDa protein
 96    Q9MAT8 (Q9MAT8) F13M7.11
 96    Q9LU61 (Q9LU61) Similarity to unknown protein
 96    Q9LQ17 (Q9LQ17) F16P17.4 protein
 96    Q9LPD3 (Q9LPD3) F22M8.1 protein (Fragment)
 96    Q9FZD0 (Q9FZD0) T1K7.18 protein
 96    Q9FX78 (Q9FX78) F19K19.6 protein
 96    Q9C9M4 (Q9C9M4) Hypothetical 39.3 kDa protein
 96    Q9C9M3 (Q9C9M3) Hypothetical 39.8 kDa protein
 96    Q9C9M2 (Q9C9M2) Hypothetical 39.9 kDa protein
 96    Q8S8J5 (Q8S8J5) Hypothetical 71.0 kDa protein
 96    P93817 (P93817) F19P19.11 protein
 96    O80564 (O80564) At2g43940 protein
 91    Q9ZVC3 (Q9ZVC3) Putative embryo-abundant protein
 91    Q9XI57 (Q9XI57) F9L1.6
 91    Q9SZ01 (Q9SZ01) Hypothetical 22.7 kDa protein
 91    Q9SS32 (Q9SS32) F14P13.20 protein
 91    Q9SIZ3 (Q9SIZ3) Expressed protein (Hypothetical
       66.8 kDa protein T07M07.16)
 91    Q9SHK0 (Q9SHK0) F12K11.10
 91    Q9LZA4 (Q9LZA4) Hypothetical 68.4 kDa protein
       (AT5g04060/F8F6_270)
 91    Q9LYN3 (Q9LYN3) Hypothetical 70.0 kDa protein
 91    Q9LYM9 (Q9LYM9) Hypothetical 50.6 kDa protein
 91    Q9LYK0 (Q9LYK0) Hypothetical 41.7 kDa protein
 91    Q9LFB3 (Q9LFB3) Cell division-like protein
 91    Q9FYC4 (Q9FYC4) AtPP-like protein
 91    Q9FYC3 (Q9FYC3) AtPP-like protein
 91    Q9FI20 (Q9FI20) Genomic DNA, chromosome 5, P1
       clone:MFC16
 91    Q9CAU5 (Q9CAU5) Hypothetical 29.6 kDa protein
 86    Q9FMI5 (Q9FMI5) Genomic DNA, chromosome 5, P1
       clone:MHJ24 (Hypothetical 42.2 kDa protein)
 85    Q9ZVU4 (Q9ZVU4) T5A14.14 protein
       (At1g55450/T5A14_14)
 85    Q9FMJ2 (Q9FMJ2) Ankyrin-like protein
 84    Q9LSI8 (Q9LSI8) Gb|AAC66597.1 (Hypothetical 34.8
       kDa protein)
 84    Q9FX27 (Q9FX27) Tumor-related protein, putative
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84	Q9FGA0 (Q9FGA0) Similarity to glucose inhibited division protein B
84	Q9FG39 (Q9FG39) Ankyrin-like protein
84	O65592 (O65592) Hypothetical 68.3 kDa protein
83	Q9SX27 (Q9SX27) F24J5.12 protein
83	Q9SW10 (Q9SW10) Hypothetical 92.2 kDa protein (Fragment)
82	Q9SGD4 (Q9SGD4) T23G18.12
82	Q9SD39 (Q9SD39) Hypothetical 101.4 kDa protein
82	Q9S9V3 (Q9S9V3) T19J18.2 protein (AT4G04670 protein)
82	Q9S9P4 (Q9S9P4) F26G16.17 protein
82	Q9MAP0 (Q9MAP0) CDS (At1g33030/F9L11_18)
82	Q9M2E3 (Q9M2E3) Hypothetical 29.6 kDa protein
82	Q9M064 (Q9M064) Hypothetical 7.0 kDa protein
82	Q9LW67 (Q9LW67) Ankyrin-like protein
82	Q9LPU8 (Q9LPU8) T22I11.4 protein
82	Q9LPU6 (Q9LPU6) T22I11.6 protein
82	Q9LK68 (Q9LK68) Cyclopocyclopropane fatty acid synthase-like protein
82	Q9FVV4 (Q9FVV4) Putative DEAD/DEAH box helicase
82	Q9FJ53 (Q9FJ53) Tumor-related protein-like
82	Q9CAX9 (Q9CAX9) Hypothetical 37.6 kDa protein
82	Q9C8R0 (Q9C8R0) Hypothetical 6.8 kDa protein
82	Q9C7Q4 (Q9C7Q4) Hypothetical 87.0 kDa protein
82	O82251 (O82251) At2g47840 protein
82	O80779 (O80779) Hypothetical 86.8 kDa protein At2g34300
82	O80562 (O80562) At2g43920 protein
82	O23292 (O23292) Ankyrin homolog (Ankyrin like protein)
82	O22847 (O22847) Expressed protein (At2g43320/T1O24.6)
81	Q9LUT4 (Q9LUT4) Gb|AAF34859.1
80	Q9FG73 (Q9FG73) Nucleolar protein-like
80	O48783 (O48783) At2g26680 protein
78	Q9ZW86 (Q9ZW86) At2g43080 protein (Hypothetical 31.5 kDa protein)
78	Q9ZPI0 (Q9ZPI0) F15P23.2 protein (PREDICTED protein of unknown function)
78	Q9SRZ0 (Q9SRZ0) F22D16.2 protein
78	Q9M389 (Q9M389) Putative embryonic abundant protein
78	Q9M1Y1 (Q9M1Y1) Hypothetical 46.0 kDa protein
78	Q9M0V2 (Q9M0V2) Hypothetical 13.0 kDa protein
78	Q9LXE5 (Q9LXE5) Hypothetical 43.0 kDa protein
78	Q9LV25 (Q9LV25) Genomic DNA, chromosome 3, P1 clone: MRC8
78	Q9LUU0 (Q9LUU0) Genomic DNA, chromosome 3, P1 clone: MGD8 (EC 2.1.1.73) (Modification methylase) (Cytosine-specific methyltransferase)

78	Q9LNS9 (Q9LNS9) T20H2.20 protein
78	Q9LMZ5 (Q9LMZ5) T6D22.22
78	Q9LK81 (Q9LK81) Regulator of chromosome condensation (Cell cycle regulatory protein) like
78	Q9LDL2 (Q9LDL2) Hypothetical 70.6 kDa protein
78	Q9FM44 (Q9FM44) Similarity to unknown protein
78	Q9FFH2 (Q9FFH2) Genomic DNA, chromosome 5, P1 clone:MLN1 (Hypothetical 26.1 kDa protein)
78	Q9C9R8 (Q9C9R8) Hypothetical 34.8 kDa protein
77	Q9MAA9 (Q9MAA9) T12H1.6 protein (Hypothetical 37.7 kDa protein)
77	Q9FZ86 (Q9FZ86) F25I16.1 protein (Hypothetical protein)
77	O23595 (O23595) Hypothetical 23.1 kDa protein
75	Q9FIK9 (Q9FIK9) Putative 60S acidic ribosomal protein P1
74	Q9LFN2 (Q9LFN2) Hypothetical 65.9 kDa protein
74	Q9FKW7 (Q9FKW7) Similarity to nucleolar protein
74	Q9C9N4 (Q9C9N4) Hypothetical protein
72	Q9ZT99 (Q9ZT99) Putative WD-repeat protein
72	Q9SMU0 (Q9SMU0) Hypothetical 50.8 kDa protein
72	Q9SJZ4 (Q9SJZ4) At2g22400 protein
72	Q9SD84 (Q9SD84) Hypothetical 19.9 kDa protein
72	Q9M9F2 (Q9M9F2) F3F9.13
72	Q9M372 (Q9M372) Hypothetical 14.5 kDa protein
72	Q9LU80 (Q9LU80) Gb|AAF35409.1
72	O65368 (O65368) F12F1.2 protein
71	Q9M2E8 (Q9M2E8) Putative homeobox protein
71	Q9LK54 (Q9LK54) Similarity to SUN and FMU proteins
71	O81026 (O81026) At2g26810 protein
70	Q9FEF8 (Q9FEF8) Fibrillarin-like (Fibrillarin 1) (AT5g52470/K24M7_22)
69	Q9SZZ1 (Q9SZZ1) Fibrillarin-like protein (Fibrillarin 2) (AtFib2)
69	Q9SZP4 (Q9SZP4) Putative thaumatin-like protein
69	O82166 (O82166) Putative AT-hook DNA-binding protein
69	O80723 (O80723) Putative peptide chain release factor
67	Q9MA14 (Q9MA14) F20B17.4
67	Q9LNF3 (Q9LNF3) F21D18.28
66	Q9SVX0 (Q9SVX0) Ankyrin repeat-containing protein 2
66	Q9LMC1 (Q9LMC1) F14D16.22
65	Q9FI29 (Q9FI29) Genomic DNA, chromosome 5, P1 clone:MDN11
65	Q9FGL2 (Q9FGL2) Membrane channel protein-like, aquaporin (Tonoplast intrinsic protein)-like
65	Q43352 (Q43352) Delta tonoplast integral protein delta-TIP (Putative membrane channel protein root

	specific) (Delta tonoplast intrinsic protein)
64	RLA1_ARATH (O23095) 60S acidic ribosomal protein P1
64	Q9SUY4 (Q9SUY4) Hypothetical 41.8 kDa protein
64	Q9SUW6 (Q9SUW6) Hypothetical 29.1 kDa protein
64	Q9LI87 (Q9LI87) Emb|CAB12631.1
64	Q9FIC3 (Q9FIC3) Genomic DNA, chromosome 5, P1 clone:MYH9 (Hypothetical protein)
64	O65687 (O65687) Hypothetical protein
64	O64489 (O64489) F20D22.5 protein
64	O23577 (O23577) Membrane channel protein (AT4G17340/DL4705W)
63	TBG1_ARATH (P38557) Tubulin gamma-1 chain (Gamma-1 tubulin)
63	Q9LVX0 (Q9LVX0) RING zinc finger protein-like (Hypothetical protein)
61	Q9ZVB9 (Q9ZVB9) Putative DNA-directed RNA polymerase 23kD subunit (At2g41340/F13H10.11)
61	Q9LZ18 (Q9LZ18) Hypothetical 6.0 kDa protein (Genomic DNA, chromosome 5, P1 clone:MUK11)
61	Q9FVS7 (Q9FVS7) Hypothetical 62.1 kDa protein
61	Q9FVR9 (Q9FVR9) Hypothetical protein
61	Q9FHB3 (Q9FHB3) Fibrillarin-like
61	O64750 (O64750) At2g34860 protein (Hypothetical protein)
59	Q9SYZ6 (Q9SYZ6) Hypothetical 116.6 kDa protein
59	Q9SKE5 (Q9SKE5) Putative photomorphogenesis repressor protein
59	Q9SJ47 (Q9SJ47) At2g36030 protein
59	Q9LJQ5 (Q9LJQ5) Seed maturation protein-like
59	Q9LE79 (Q9LE79) T12C24.4 (F5O11.24)
59	Q9FL03 (Q9FL03) SCARECROW gene regulator
59	O80659 (O80659) T14N5.11 protein
59	O04655 (O04655) A_TM021B04.4 protein
58	Q9SR84 (Q9SR84) T16O11.23 protein
58	Q9M133 (Q9M133) Hypothetical 126.0 kDa protein
58	O23277 (O23277) Hypothetical 142.3 kDa protein
56	Q9SZW7 (Q9SZW7) Hypothetical 37.5 kDa protein
55	Q9SR17 (Q9SR17) F7O18.4 protein (Putative DNA-binding protein)
55	Q9FX61 (Q9FX61) T6J4.11 protein
54	Q9ZQ40 (Q9ZQ40) Putative SET-domain protein
54	Q9LRV6 (Q9LRV6) Salt-stress induced tonoplast intrinsic protein (AT3g26520/MFE16_3)
54	O23393 (O23393) Hypothetical protein (HSR201 like protein)
53	Q9LIN4 (Q9LIN4) Hypothetical 54.6 kDa protein
53	O80829 (O80829) At2g45900 protein
51	Q9SX97 (Q9SX97) F16N3.5 protein
51	Q9STY6 (Q9STY6) 40S ribosomal protein S20-like

	protein
51	Q9M8U2 (Q9M8U2) F13E7.4 protein
51	Q42453 (Q42453) Zinc finger protein (Zinc finger protein ZAT7)
50	RS20_ARATH (P49200) 40S ribosomal protein S20
50	Q9XH28 (Q9XH28) F10A2.10 protein (Putative peptidase)
50	Q9T0F9 (Q9T0F9) Hypothetical 72.2 kDa protein
50	Q9SYI6 (Q9SYI6) PREDICTED protein of unknown function
50	Q9M2S3 (Q9M2S3) Hypothetical protein
50	Q9M0V1 (Q9M0V1) D123-like protein
50	Q9LZW8 (Q9LZW8) Hypothetical 50.3 kDa protein
50	Q9LZ02 (Q9LZ02) Hypothetical 88.9 kDa protein
50	Q9LRV7 (Q9LRV7) Gb|AAF04880.1
50	Q9LN86 (Q9LN86) T12C24.14
50	Q9LFM5 (Q9LFM5) Hypothetical 45.4 kDa protein
50	Q9FWR8 (Q9FWR8) F14P1.3 protein
50	Q9FMP6 (Q9FMP6) Genomic DNA, chromosome 5, P1 clone:MXC9
50	Q9FF16 (Q9FF16) DNA repair protein RAD23 homolog (Hypothetical protein) (At5g38470/At5g38470)
50	P93823 (P93823) F19P19.21
50	O23471 (O23471) SIMILARITY to glycine-rich protein 1 - ARABIDOPSIS (Glycine-rich protein homolog)
C. elegans	
100	YNE4_CAEEL (P30643) Hypothetical protein R08D7.4 in chromosome III
100	Q9XXH6 (Q9XXH6) Y17G7B.18b protein
100	Q9XXH0 (Q9XXH0) Y32B12A.3 protein
100	Q9XW42 (Q9XW42) W06D4.4 protein
100	Q9XVS1 (Q9XVS1) C25A1.3 protein
100	Q9U2X0 (Q9U2X0) Y113G7B.17 protein
100	Q9U2R0 (Q9U2R0) Y17G7B.18a protein
100	Q9TYP1 (Q9TYP1) Hypothetical 37.8 kDa protein
100	Q9NAP7 (Q9NAP7) K09E4.3 protein
100	Q9NAA8 (Q9NAA8) Y53F4B.4a protein
100	Q9N5L0 (Q9N5L0) H24K24.4 protein
100	Q9GZF8 (Q9GZF8) Hypothetical 17.0 kDa protein
100	Q9GYH9 (Q9GYH9) Hypothetical 26.0 kDa protein
100	Q965W4 (Q965W4) Hypothetical protein Y40B10A.6
100	Q95X52 (Q95X52) Hypothetical 32.1 kDa protein
100	Q95PW7 (Q95PW7) Hypothetical 56.4 kDa protein
100	Q8MQD1 (Q8MQD1) Hypothetical protein C23G10.7a
100	Q8MQD0 (Q8MQD0) Hypothetical protein C23G10.7b
100	Q23552 (Q23552) Hypothetical 57.3 kDa protein
100	Q23126 (Q23126) W02B12.10 protein
100	Q22993 (Q22993) Hypothetical 49.8 kDa protein

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100    Q22123 (Q22123) Hypothetical 33.7 kDa protein
100    Q18511 (Q18511) C38D4.9 protein
100    P91862 (P91862) F32A7.4 protein
100    P91387 (P91387) Hypothetical 43.8 kDa protein
100    O61833 (O61833) Hypothetical 41.4 kDa protein
100    O18235 (O18235) Y57G11C.11 protein
100    O16582 (O16582) Hypothetical 26.0 kDa protein
100    O02325 (O02325) T23B5.1 protein
100    O01889 (O01889) R08F11.4 protein
100    O01594 (O01594) Hypothetical protein R08E5.1
100    O01593 (O01593) R08E5.3 protein
100    O01503 (O01503) Hypothetical 29.9 kDa protein
 83    YKA2_CAEEL (P34254) Hypothetical protein B0303.2
       in chromosome III
 83    Q9XX11 (Q9XX11) Y39A1A.21 protein
 83    Q9XTE1 (Q9XTE1) F13D12.9 protein
 83    Q9U3P9 (Q9U3P9) C14B1.10 protein
 83    Q9TYV5 (Q9TYV5) Hypothetical 73.9 kDa protein
 83    Q9N4H1 (Q9N4H1) Hypothetical 49.2 kDa protein
 83    Q9N4D9 (Q9N4D9) Hypothetical 26.6 kDa protein
 83    Q94013 (Q94013) T08G11.4 protein
 83    Q93574 (Q93574) F25H2.12 protein
 83    Q8WTM3 (Q8WTM3) Hypothetical 24.9 kDa protein
 83    Q23383 (Q23383) ZK1058.5 protein
 83    Q20856 (Q20856) F55G7.2 protein
 83    Q20308 (Q20308) Hypothetical 30.9 kDa protein
 83    Q18489 (Q18489) Hypothetical 40.7 kDa protein
 83    O62483 (O62483) Y48E1C.2 protein
 83    O62266 (O62266) F57G9.1 protein
 83    O44410 (O44410) Hypothetical 39.4 kDa protein
 83    O17735 (O17735) D2023.6 protein
 83    O17704 (O17704) C53A5.2 protein
 80    Q21069 (Q21069) K01A11.2 protein
 75    YOT0_CAEEL (P34655) Hypothetical 8.7 kDa protein
       ZK632.10 in chromosome III
 75    Q9XVX3 (Q9XVX3) C06A1.6 protein
 75    Q9XUJ4 (Q9XUJ4) W09D6.1 protein
 75    Q9N4K2 (Q9N4K2) Hypothetical 81.7 kDa protein
 75    Q95XQ0 (Q95XQ0) Hypothetical 111.3 kDa protein
 75    Q95QY1 (Q95QY1) Hypothetical 17.0 kDa protein
 75    Q8MQ78 (Q8MQ78) Hypothetical protein F11C7.7
 75    Q23375 (Q23375) ZC53.6 protein
 75    Q22392 (Q22392) T11F9.11 protein
 75    Q22279 (Q22279) T07C12.9 protein
 75    Q21096 (Q21096) K01D12.6 protein
 75    Q20794 (Q20794) F54F7.7 protein
 75    Q20587 (Q20587) F49C12.10 protein
 75    Q19647 (Q19647) Hypothetical protein
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75	Q19176 (Q19176) F07H5.6 protein
75	Q18883 (Q18883) Hypothetical 24.2 kDa protein
75	Q18464 (Q18464) Hypothetical 25.5 kDa protein
75	Q18238 (Q18238) Hypothetical 18.9 kDa protein
75	Q17596 (Q17596) C03A3.3 protein
75	O62365 (O62365) W02A11.1 protein
75	O62133 (O62133) F02H6.5 protein
75	O17997 (O17997) R10D12.11 protein
75	O01985 (O01985) F30F8.8 protein
71	Q9BL15 (Q9BL15) Hypothetical 73.8 kDa protein
71	Q965Y2 (Q965Y2) Hypothetical protein Y32G9B.1
71	Q965W3 (Q965W3) Hypothetical protein Y40B10A.2
71	Q22048 (Q22048) T01B7.8 protein
71	P91424 (P91424) Hypothetical 41.9 kDa protein
71	O61706 (O61706) Hypothetical 76.4 kDa protein
71	O02290 (O02290) T02E1.4 protein
67	YPL1_CAEEL (Q9U3G6) Yippee-like protein F37A8.5
67	YDEM_CAEEL (Q19124) Hypothetical 65.5 kDa Trp-Asp repeats containing protein F02E8.5 in chromosome X
67	Q9N470 (Q9N470) Hypothetical 41.5 kDa protein
67	Q9N2S1 (Q9N2S1) Y9C9A.16 protein
67	Q95XR2 (Q95XR2) Hypothetical 51.5 kDa protein
67	Q95XP7 (Q95XP7) Hypothetical 7.2 kDa protein
67	Q95Q69 (Q95Q69) Hypothetical 61.0 kDa protein
67	Q8WSW2 (Q8WSW2) Hypothetical 40.9 kDa protein
67	Q23200 (Q23200) W06D11.4 protein
67	Q22577 (Q22577) Hypothetical 19.7 kDa protein
67	P91137 (P91137) Hypothetical 57.6 kDa protein
67	P91125 (P91125) Hypothetical 35.8 kDa protein
67	O45602 (O45602) H02I12.4 protein
67	O18030 (O18030) T05F1.10 protein
67	O16995 (O16995) Hypothetical 29.3 kDa protein
60	YLN2_CAEEL (Q18964) Hypothetical 46.2 kDa Trp-Asp repeats containing protein D2013.2 in chromosome II
60	SOX_CAEEL (Q18006) Potential sarcosine oxidase (EC 1.5.3.1)
60	Q19864 (Q19864) F28C6.3 protein
60	Q19843 (Q19843) Hypothetical 48.0 kDa protein
55	YWS6_CAEEL (Q10942) Hypothetical protein B0310.6 in chromosome X
55	YW91_CAEEL (Q22712) Hypothetical 105.4 kDa protein T24A11.1 in chromosome III
55	YS02_CAEEL (Q09357) Hypothetical 55.5 kDa protein ZK1128.2 in chromosome III
55	YLW9_CAEEL (P34412) Hypothetical protein F22B7.9 in chromosome III
55	YKQ5_CAEEL (P34300) Hypothetical protein C06E1.5 in chromosome III

55	Q9XW93 (Q9XW93) Y49A3A.3 protein
55	Q9XVX5 (Q9XVX5) ZK1128.8 protein
55	Q9XVU6 (Q9XVU6) T07F10.6 protein
55	Q9XUV3 (Q9XUV3) K02E2.4 protein
55	Q9UAQ2 (Q9UAQ2) Hypothetical 184.6 kDa protein
55	Q9U322 (Q9U322) Y105C5A.16 protein
55	Q9TXS1 (Q9TXS1) Hypothetical 26.1 kDa protein
55	Q9TVS9 (Q9TVS9) T21B6.5 protein
55	Q9GZD0 (Q9GZD0) Hypothetical 32.0 kDa protein
55	Q9GYS4 (Q9GYS4) Hypothetical 20.3 kDa protein
55	Q9BHK8 (Q9BHK8) Y39G8C.2 protein
55	Q8WSM1 (Q8WSM1) Hypothetical 175.6 kDa protein
55	Q8WQB3 (Q8WQB3) Y105E8A.9 protein
55	Q8MYN7 (Q8MYN7) Y39B6A.22 protein
55	Q8MYN6 (Q8MYN6) Y39B6A.23 protein
55	Q8MXV7 (Q8MXV7) GLR-6 protein (corresponding sequence F41B4.4b)
55	Q8MXE3 (Q8MXE3) Hypothetical protein Y39D8A.1a
55	Q8MPS8 (Q8MPS8) Hypothetical protein W05H7.4c
55	Q23195 (Q23195) Hypothetical 57.9 kDa protein
55	Q21503 (Q21503) M04B2.2 protein
55	Q21321 (Q21321) Hypothetical 67.4 kDa protein
55	Q20998 (Q20998) Hypothetical 26.3 kDa protein
55	Q19059 (Q19059) Hypothetical 48.8 kDa protein
55	Q19030 (Q19030) Hypothetical 46.3 kDa protein
55	Q18663 (Q18663) Hypothetical protein C46H3.3
55	Q18256 (Q18256) C27D9.2 protein
55	Q09590 (Q09590) Hypothetical 75.2 kDa protein
55	PWP2_CAEEL (P91341) Periodic tryptophan protein 2 homolog
55	P91215 (P91215) Hypothetical 27.2 kDa protein
55	P91143 (P91143) Hypothetical protein
55	O62450 (O62450) Y44A6B.2 protein
55	O62339 (O62339) R06C1.1 protein
55	O62107 (O62107) C47B2.6 protein
55	O61832 (O61832) Hypothetical 16.3 kDa protein
55	O45178 (O45178) Hypothetical 44.6 kDa protein
55	O44897 (O44897) ZK484.2 protein
55	O18198 (O18198) Y48E1B.4 protein
55	O17034 (O17034) Hypothetical 41.6 kDa protein
Drosophila	
100	Q9XZ11 (Q9XZ11) BCDNA:LD21293 protein
100	Q9W4M9 (Q9W4M9) CG6133 protein (LD45754P)
100	Q9W3W2 (Q9W3W2) CG14436 protein
100	Q9W3E7 (Q9W3E7) CG15351 protein
100	Q9W324 (Q9W324) CG3101 protein
100	Q9W232 (Q9W232) CG17807 protein
100	Q9W1V1 (Q9W1V1) CG9882 protein

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100    Q9W1H1 (Q9W1H1) CG5339 protein (GH17155p)
100    Q9W0Y5 (Q9W0Y5) CG30427 protein (LD36843p)
100    Q9W0J9 (Q9W0J9) CG9119 protein (GH07301P)
100    Q9W0C0 (Q9W0C0) CG13929 protein
100    Q9VZF6 (Q9VZF6) CG14997 protein
100    Q9VZD2 (Q9VZD2) CG11342 protein
100    Q9VYF8 (Q9VYF8) CG2453 protein
100    Q9VXK5 (Q9VXK5) CG8939 protein (LD23718p)
100    Q9VWJ9 (Q9VWJ9) CG7889 protein (GM08857P)
100    Q9VVX7 (Q9VVX7) CG9666 protein
100    Q9VVV7 (Q9VVV7) CG3808 protein
100    Q9VUX8 (Q9VUX8) CG13075 protein
100    Q9VUJ6 (Q9VUJ6) CG13462 protein
100    Q9VTV1 (Q9VTV1) CG5632 protein (LD47568P)
100    Q9VTM5 (Q9VTM5) CG7319 protein (LD40326p)
100    Q9VR91 (Q9VR91) HERC2 protein
100    Q9VQX9 (Q9VQX9) CG3675 protein
100    Q9VQK8 (Q9VQK8) CG17219 protein
100    Q9VQJ8 (Q9VQJ8) CG9643 protein (AT11165p)
100    Q9VQF8 (Q9VQF8) CG9960 protein (GH13185p)
100    Q9VPX3 (Q9VPX3) CG4749 protein (LD40271P)
100    Q9VP86 (Q9VP86) CG10584 protein
100    Q9VNQ1 (Q9VNQ1) CG11109 protein (GM05221P)
100    Q9VNH1 (Q9VNH1) CG1239 protein (LP01332p)
100    Q9VN26 (Q9VN26) CG1074 protein
100    Q9VMD3 (Q9VMD3) CG9531 protein
100    Q9VLF6 (Q9VLF6) CG18661 protein
100    Q9VL60 (Q9VL60) CG13126 protein (RE01590p)
100    Q9VJQ4 (Q9VJQ4) CG3688 protein (L(2)35Bd protein)
       (RE49394p)
100    Q9VJK8 (Q9VJK8) CG17330 protein
100    Q9VJ34 (Q9VJ34) CG10428 protein (LD29806p)
100    Q9VIF3 (Q9VIF3) CG9249 protein
100    Q9VI22 (Q9VI22) CG10272 protein
100    Q9VHW6 (Q9VHW6) CG10903 protein (RE22146p)
100    Q9VHA2 (Q9VHA2) CG8327 protein (GH08387p)
100    Q9VHA1 (Q9VHA1) CG8327 protein
100    Q9VH48 (Q9VH48) CG5358 protein
100    Q9VGW7 (Q9VGW7) CG6554 protein (LD28808p)
100    Q9VG42 (Q9VG42) CG6188 protein
100    Q9VFP9 (Q9VFP9) CG9929 protein
100    Q9VFP8 (Q9VFP8) CG9927 protein
100    Q9VFB3 (Q9VFB3) CG6563 protein (LD34544P)
100    Q9VF83 (Q9VF83) CG12258 protein
100    Q9VEZ4 (Q9VEZ4) CG5013 protein (RE16487p)
100    Q9VEA4 (Q9VEA4) CG31241 protein
100    Q9VDZ5 (Q9VDZ5) CG5558 protein
100    Q9VDZ4 (Q9VDZ4) CG5558 protein (LD16340p)
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100    Q9VDP9 (Q9VDP9) CG4390 protein (GH03475p)
100    Q9VDC8 (Q9VDC8) CG3337 protein
100    Q9VD35 (Q9VD35) CG7080 protein (LD18835P)
100    Q9VBJ4 (Q9VBJ4) CG14541 protein
100    Q9VBH7 (Q9VBH7) CG14544 protein (SD21096p)
100    Q9V8R7 (Q9V8R7) CG7137 protein (LD11455P)
100    Q9V790 (Q9V790) CG7544 protein (LD39460p)
100    Q9V6C4 (Q9V6C4) CG8545 protein
100    Q9V631 (Q9V631) CG8280 protein
100    Q9V5C9 (Q9V5C9) CG1675 protein
100    Q9V341 (Q9V341) CG2906 protein
100    Q9I7P7 (Q9I7P7) BcDNA:LD21293 protein
100    Q8SX32 (Q8SX32) RE49877p (CG16840 protein)
100    Q8MKN5 (Q8MKN5) CG2906-PB
100    O77263 (O77263) EG:22E5.4 protein (GM01339p)
100    O16868 (O16868) FY gene product (AT05453p)
100    AAN13657 (AAN13657) CG31392-PA
100    AAN13635 (AAN13635) CG6563-PB
100    AAN13380 (AAN13380) CG10272-PC
100    AAN12208 (AAN12208) CG11109-PB
100    AAN11763 (AAN11763) CG32152-PA
100    AAN11538 (AAN11538) CG32281-PA
100    AAN09627 (AAN09627) CG32691-PA
100    AAN09611 (AAN09611) CG32697-PD
100    AAM68350 (AAM68350) CG8276-PA
 71    Y105_DROME (Q9V719) Hypothetical protein CG10105
 71    Q9VHB9 (Q9VHB9) CG9386 protein (RE33302p)
 71    Q9V505 (Q9V505) CG8232 protein
 71    Q8MLS2 (Q8MLS2) CG30410-PA
 71    AAN10384 (AAN10384) CG31698-PA
 62    Q9W5F6 (Q9W5F6) EG:171D11.2 protein
 62    Q9W323 (Q9W323) CG32697 protein (LD27988p)
 62    Q9VYT1 (Q9VYT1) CG11802 protein (LD30509p)
 62    Q9VVL7 (Q9VVL7) CG7430 protein (LP04889P)
 62    Q9VMB4 (Q9VMB4) CG11319 protein (RE27507p)
 62    Q9VIR5 (Q9VIR5) CG13959 protein
 62    Q9VG89 (Q9VG89) CG17793 protein
 62    Q9VG21 (Q9VG21) CG10909 protein
 62    Q9VFT8 (Q9VFT8) CG14368 protein
 62    Q9VEI4 (Q9VEI4) CG7606 protein
 62    Q9VAZ5 (Q9VAZ5) CG12873 protein
 62    Q9V9C9 (Q9V9C9) CG3174 protein (GH12207P)
 62    Q9V8G7 (Q9V8G7) CG17523 protein (RE69679p)
 62    Q9V759 (Q9V759) CG12856 protein
 62    Q9I7X6 (Q9I7X6) EG:39E1.1 protein (LD42227p)
 62    Q8MLS0 (Q8MLS0) CG13551-PC
 62    O46078 (O46078) EG:39E1.1 protein
 62    AAN11098 (AAN11098) CG9266-PB
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62	AAN09610 (AAN09610) CG32697-PC
62	AAF54576 (AAF54576) CG6608-PA
62	AAF46513 (AAF46513) CG32697-PB
56	RLA1_DROME (P08570) 60S acidic ribosomal protein P1 (RP21C) (Acidic ribosomal protein RPA2)
56	Q9W459 (Q9W459) CG4020 protein
56	Q9W1R2 (Q9W1R2) CG13551 protein
56	Q9VYV4 (Q9VYV4) CG2446 protein
56	Q9VU78 (Q9VU78) CG10116 protein
56	Q9VTY8 (Q9VTY8) CG10522 protein
56	Q9VIQ8 (Q9VIQ8) CG10664 protein (GM14452P)
56	Q9VIK9 (Q9VIK9) CG2614 protein (LD12777P)
56	Q9VIG8 (Q9VIG8) CG9266 protein
56	Q9VHJ8 (Q9VHJ8) CG11963 protein
56	Q9VEX7 (Q9VEX7) CG6889 protein (Tara 1A isoform)
56	Q9VDG4 (Q9VDG4) CG10827 protein (LP09756P)
56	Q9VC39 (Q9VC39) CG13634 protein
56	Q9VBS8 (Q9VBS8) CG31370 protein
56	Q8SXV9 (Q8SXV9) RH61745p (CG12998 protein)
56	Q8MMC5 (Q8MMC5) CG30427-PA
56	Q8MKV9 (Q8MKV9) CG30006-PA
56	JIP1_DROME (Q9W0K0) JNK-interacting protein 1 (JIP-1) (Eye developmental protein SP512) (APP-like interacting protein 1) (APLIP1)
56	AAN13701 (AAN13701) CG6889-PB
56	AAN11462 (AAN11462) CG1200-PB
56	AAN10729 (AAN10729) CG31717-PA
56	AAN10397 (AAN10397) CG3059-PC
56	AAF53761 (AAF53761) CG10561-PA
56	AAF45513 (AAF45513) CG32818-PA
56	AAF45509 (AAF45509) CG3156-PA
56	A37C_DROME (P18487) Anon-37Cs protein
50	Q9VUJ2 (Q9VUJ2) CG5392 protein
50	AAF54308 (AAF54308) CG11963-PA
E. coli	
100	YJHP_ECOLI (P39367) Hypothetical protein yjhP
100	YFIC_ECOLI (P31825) Hypothetical protein yfiC
100	YECP_ECOLI (P76291) Hypothetical protein yecP
100	TEHB_ECOLI (P25397) Tellurite resistance protein tehB
100	CFA_ECOLI (P30010) Cyclopropane-fatty-acyl-phospholipid synthase (EC 2.1.1.79) (Cyclopropane fatty acid synthase) (CFA synthase)
100	BIOC_ECOLI (P12999) Biotin synthesis protein bioC
94	YNBC_ECOLI (P76092) Hypothetical protein ynbC
94	SUN_ECOLI (P36929) SUN protein (FMU protein)
93	SMTA_ECOLI (P36566) Protein smtA
89	YEGD_ECOLI (P36928) Hypothetical chaperone protein yegD

89	YECO_ECOLI (P76290) Protein yecO
89	YEBU_ECOLI (P76273) Hypothetical protein yebU
89	MREB_ECOLI (P13519) Rod shape-determining protein mreB
89	FTSZ_ECOLI (P06138) Cell division protein ftsZ
84	YDBA_ECOLI (P33666) Hypothetical protein ydbA
77	YDCM_ECOLI (P76102) Hypothetical protein ydcM
72	YBIN_ECOLI (P75782) Hypothetical protein ybiN
72	UVRA_ECOLI (P07671) Excinuclease ABC subunit A
72	RPIA_ECOLI (P27252) Ribose 5-phosphate isomerase A (EC 5.3.1.6) (Phosphoriboisomerase A)
72	CRCB_ECOLI (P37002) Protein crcB
71	YQGA_ECOLI (Q46831) Hypothetical protein yqgA
66	YGAZ_ECOLI (P76630) Hypothetical protein ygaZ
66	YBHK_ECOLI (P75767) Hypothetical protein ybhK
59	YFCE_ECOLI (P76495) Hypothetical protein yfcE
59	YCEG_ECOLI (P28306) Hypothetical protein yceG
59	EUTN_ECOLI (P77633) Ethanolamine utilization protein eutN
51	YIID_ECOLI (P32148) Hypothetical protein yiiD
51	YFCK_ECOLI (P77182) Hypothetical protein yfcK
44	P75999 (P75999) ORF O243#4
37	YIGE_ECOLI (P27840) Hypothetical protein yigE
37	YHIV_ECOLI (P37637) Hypothetical protein yhiV
37	YGCB_ECOLI (P38036) Hypothetical protein ygcB
37	EUTJ_ECOLI (P77277) Ethanolamine utilization protein eutJ
37	ACRF_ECOLI (P24181) Acriflavine resistance protein F (Protein envD)
34	YAJF_ECOLI (P23917) Hypothetical protein yajF
32	YUAR_ECOLI (P34211) Hypothetical protein yuaR precursor
Human	
100	Q9Y3W2 (Q9Y3W2) Hypothetical protein (Fragment)
100	Q9UI28 (Q9UI28) Adrenal gland protein AD-003
100	Q9P0B5 (Q9P0B5) HSPC266 (Fragment)
100	Q9NSC9 (Q9NSC9) Olfactory receptor
100	Q9NRN9 (Q9NRN9) DC3 (Similar to HSPC133 protein)
100	Q9HBK9 (Q9HBK9) Cyt19
100	Q9H8H3 (Q9H8H3) Hypothetical protein FLJ13631 (From clone DKFZp586A0522) (DKFZP586A0522 protein)
100	Q9H867 (Q9H867) Hypothetical protein FLJ13920
100	Q9H825 (Q9H825) Hypothetical protein FLJ13984
100	Q9H7R3 (Q9H7R3) Hypothetical protein FLJ14347
100	Q9H7H0 (Q9H7H0) Hypothetical protein FLJ20859
100	Q9H732 (Q9H732) Hypothetical protein FLJ21453 (HpaII tiny fragments locus 9C)
100	Q9H5Y3 (Q9H5Y3) Hypothetical protein FLJ22789 (Fragment)

100	Q9H5R7 (Q9H5R7) Hypothetical protein FLJ23133
100	Q9H2C6 (Q9H2C6) Odorant receptor HOR3'beta3
100	Q9BZH3 (Q9BZH3) False p73 target protein
100	Q9BW43 (Q9BW43) Nucleolar protein 1 (120kD)
100	Q9BVS5 (Q9BVS5) Hypothetical protein
100	Q96S85 (Q96S85) Hypothetical protein
100	Q96RS0 (Q96RS0) Hepatocellular carcinoma-associated antigen 137
100	Q96ME6 (Q96ME6) Hypothetical protein FLJ32467
100	Q96MD6 (Q96MD6) Hypothetical protein FLJ32515
100	Q96LV1 (Q96LV1) Hypothetical protein FLJ25048
100	Q96LU4 (Q96LU4) Hypothetical protein FLJ25062
100	Q96IW1 (Q96IW1) Similar to RIKEN cDNA 0610011F06 gene
100	Q96IH9 (Q96IH9) Similar to hypothetical protein FLJ12687
100	Q96GJ1 (Q96GJ1) Hypothetical protein
100	Q96G04 (Q96G04) Similar to RIKEN cDNA 5730409G15 gene
100	Q96AZ1 (Q96AZ1) Hypothetical protein (Hepatocellular carcinoma-associated antigen HCA557a)
100	Q8WXB1 (Q8WXB1) Hepatocellular carcinoma-associated antigen HCA557b
100	Q8WUW5 (Q8WUW5) Hypothetical protein
100	Q8WUV3 (Q8WUV3) Hypothetical protein (Fragment)
100	Q8WUI1 (Q8WUI1) Similar to RIKEN cDNA 0610006F02 gene
100	Q8TEA1 (Q8TEA1) Hypothetical protein FLJ23743
100	Q8TDG9 (Q8TDG9) CLL-associated antigen KW-2
100	Q8TCB7 (Q8TCB7) Hypothetical protein
100	Q8TC28 (Q8TC28) Similar to RIKEN cDNA 2010208K18 gene
100	Q8N6Q8 (Q8N6Q8) Similar to hypothetical protein FLJ22789
100	Q8N6F8 (Q8N6F8) Similar to hypothetical protein, MGC: 8159, hypothetical protein MGC8159
100	Q8N320 (Q8N320) Hypothetical protein
100	Q14105 (Q14105) D1075-like protein (Fragment)
100	O95714 (O95714) HERC2 protein
100	O95568 (O95568) Hypothetical protein
100	O43148 (O43148) Hypothetical protein KIAA0398 (RNA (Guanine-7-) methyltransferase)
100	NOL1_HUMAN (P46087) Proliferating-cell nucleolar antigen p120 (Proliferation-associated nucleolar protein p120)
95	U183_HUMAN (Q9BSU1) UPF0183 protein
95	Q9H649 (Q9H649) Hypothetical protein FLJ22609
95	Q96FB5 (Q96FB5) Hypothetical protein
95	Q96EJ7 (Q96EJ7) Hypothetical protein
95	Q96C08 (Q96C08) Hypothetical protein

95	O95668 (O95668) 1C7d
90	YPL4_HUMAN (Q96NS1) Yippee-like protein 4
90	YPL3_HUMAN (Q9BSJ4) Yippee-like protein 3 (DiGeorge syndrome-related protein FKSG5)
90	Q9H4K2 (Q9H4K2) DJ1022E24.4 (continues in bA476I15 (AL137028)) (Hypothetical protein)
90	Q9H342 (Q9H342) HOR5'Beta8
90	Q9BSP8 (Q9BSP8) Similar to RIKEN cDNA 1810014G04 gene
90	Q96MG8 (Q96MG8) Hypothetical protein FLJ32390
90	Q96CB9 (Q96CB9) Similar to RIKEN cDNA 2810405F18 gene
90	Q8WV35 (Q8WV35) Hypothetical protein
90	Q8TE79 (Q8TE79) Hypothetical protein FLJ23841
90	Q8NG19 (Q8NG19) Multi-functional protein MFP
90	O95669 (O95669) 1C7f
90	O95667 (O95667) 1C7e
90	O14932 (O14932) 1C7 precursor (Natural killer cell receptor)
90	O14931 (O14931) 1C7 precursor
90	O14930 (O14930) 1C7 precursor (1C7 protein)
85	YPL2_HUMAN (Q96QA6) Yippee-like protein 2 (DiGeorge syndrome-related protein FKSG4)
85	YPL1_HUMAN (O60688) Yippee-like protein 1 (DiGeorge syndrome-related protein FKSG3)
85	Q9UKA0 (Q9UKA0) F-box protein FBL9 (Fragment)
85	Q9HC13 (Q9HC13) MDS024
85	Q9BRZ8 (Q9BRZ8) Hypothetical protein
85	O95333 (O95333) Hypothetical protein (Fragment)
76	T9S1_HUMAN (O15321) Transmembrane 9 superfamily protein member 1 precursor (hMP70)
76	Q9Y4T0 (Q9Y4T0) Hypothetical protein (Fragment)
76	Q9Y3M6 (Q9Y3M6) Hypothetical protein
76	Q9Y384 (Q9Y384) CGI-75 protein
76	Q9UGK9 (Q9UGK9) Deafness locus associated putative guanine nucleotide exchange factor
76	Q9NZY6 (Q9NZY6) HSPC049
76	Q9NW70 (Q9NW70) Hypothetical protein
76	Q9NSP4 (Q9NSP4) Hypothetical protein
76	Q9H9B6 (Q9H9B6) Hypothetical protein FLJ12873
76	Q9H5G8 (Q9H5G8) Hypothetical protein FLJ23451
76	Q9BV44 (Q9BV44) Similar to gene trap ROSA 26 antisense, Philippe Soriano (DKFZP434F091 protein)
76	Q96HT9 (Q96HT9) Hypothetical protein (Williams-Beuren syndrome critical region protein 20 copy A)
76	Q96FX7 (Q96FX7) Similar to CG14544 gene product
76	Q96FI8 (Q96FI8) Hypothetical protein
76	Q96AE5 (Q96AE5) HSPC049 protein
76	Q8WXX1 (Q8WXX1) Hypothetical protein

76	Q8WVM0 (Q8WVM0) Hypothetical protein
76	Q8TDR6 (Q8TDR6) Cytoplasmic protein Ndr1
76	Q8N7U7 (Q8N7U7) Hypothetical protein FLJ40321
76	Q8N7Q9 (Q8N7Q9) Hypothetical protein FLJ40452
76	Q8N2N9 (Q8N2N9) Hypothetical protein FLJ90089
76	Q8N1T9 (Q8N1T9) Hypothetical protein FLJ37562
76	PCO1_HUMAN (Q15113) Procollagen C-proteinase enhancer protein precursor (PCPE) (Type I procollagen COOH-terminal proteinase enhancer) (Type 1 procollagen C-proteinase enhancer protein)
76	PCL1_HUMAN (Q9UHG3) Prenylcysteine lyase precursor (EC 4.4.1.18)
76	O94940 (O94940) Hypothetical protein KIAA0859 (Fragment)
76	O15032 (O15032) Hypothetical protein KIAA0316 (Fragment)
76	NF3L_HUMAN (Q9GZT8) NIF3-like protein 1 (Amyotrophic lateral sclerosis 2 chromosomal region candidate gene protein 1) (My018 protein) (MDS015)
76	NDR2_HUMAN (Q9UN36) NDRG2 protein (Syld709613 protein)
76	FBRL_HUMAN (P22087) Fibrillarin (34 kDa nucleolar scleroderma antigen)
76	CV03_HUMAN (Q9Y3P4) Protein C22orf3
75	Q9P2F4 (Q9P2F4) Hypothetical protein KIAA1393 (Fragment)
75	Q8WVP3 (Q8WVP3) Similar to RIKEN cDNA 2410075D05 gene
75	Q8NF25 (Q8NF25) FLJ00377 protein (Fragment)
74	Q9C0C4 (Q9C0C4) Hypothetical protein KIAA1739 (Fragment)
74	Q9BQD7 (Q9BQD7) Similar to FBan0003337
74	Q96SZ0 (Q96SZ0) Hypothetical protein FLJ14557
74	Q96NM0 (Q96NM0) Hypothetical protein FLJ30596
74	O95671 (O95671) ASMTL protein
72	FSL1_HUMAN (Q12841) Follistatin-related protein 1 precursor (Follistatin-like 1)
71	VP16_HUMAN (Q9H269) Vacuolar protein sorting 16 (hVPS16)
71	TRBP_HUMAN (Q15633) TAR RNA-binding protein 2 (Trans-activation responsive RNA-binding protein)
71	SM4B_HUMAN (Q9NPR2) Semaphorin 4B (Fragment)
71	Q9Y6Z3 (Q9Y6Z3) HGC6.1.2 protein
71	Q9NZ80 (Q9NZ80) Uncharacterized bone marrow protein BM042
71	Q9H1B7 (Q9H1B7) Polyglutamine-containing protein
71	Q9BRY2 (Q9BRY2) Hypothetical protein
71	Q9BQR1 (Q9BQR1) Transcription factor SP3 (Fragment)
71	Q96RL8 (Q96RL8) NOGO-interacting mitochondrial

	protein
71	Q96PI7 (Q96PI7) Apoptosis-inhibitor-like protein
71	Q96M70 (Q96M70) Hypothetical protein FLJ32785
71	Q96BT2 (Q96BT2) Similar to actin-related protein 3-beta
71	Q8WWV3 (Q8WWV3) NOGO-interacting mitochondrial protein
71	Q8TAD8 (Q8TAD8) Smad nuclear interacting protein (Smad nuclear-interacting protein 1)
71	Q8NBC4 (Q8NBC4) Hypothetical protein FLJ33706
71	Q8NAD4 (Q8NAD4) Hypothetical protein FLJ35527
71	Q8N5C2 (Q8N5C2) Similar to elongator protein 2
71	Q8N3B0 (Q8N3B0) Hypothetical protein (Fragment)
71	O60486 (O60486) VESPR
71	O43339 (O43339) R28830_1
71	NDR1_HUMAN (Q92597) NDRG1 protein (N-myc downstream regulated gene 1 protein) (Differentiation-related gene 1 protein) (DRG1) (Reducing agents and tunicamycin-responsive protein) (RTP) (Nickel-specific induction protein Cap43) (Rit42)
71	NCO4_HUMAN (Q13772) Nuclear receptor coactivator 4 (NCoA-4) (70 kDa androgen receptor coactivator) (70 kDa AR-activator) (Ret-activating protein ELE1)
71	DADR_HUMAN (P21728) D(1A) dopamine receptor
71	CO4_HUMAN (P01028) Complement C4 precursor [Contains: C4A anaphylatoxin]
69	Q9UMK2 (Q9UMK2) Fibronectin (Fragment)
69	Q9UJJ5 (Q9UJJ5) C321D2.3 (Novel protein) (Fragment)
69	Q9NYR8 (Q9NYR8) Photoreceptor outer segment all-trans retinol dehydrogenase
69	Q9NV81 (Q9NV81) Hypothetical protein FLJ10879
69	Q9NT49 (Q9NT49) Hypothetical protein (Fragment)
69	Q9H9N0 (Q9H9N0) Hypothetical protein FLJ12647
69	Q9C0B8 (Q9C0B8) Hypothetical protein KIAA1745 (Fragment)
69	Q96RZ0 (Q96RZ0) Hypothetical protein
69	Q96FF7 (Q96FF7) Hypothetical protein (Fragment)
69	Q8WTX0 (Q8WTX0) Hypothetical protein
69	Q8TE01 (Q8TE01) DERP12 (Dermal papilla derived protein 12)
69	Q8N9A8 (Q8N9A8) Hypothetical protein FLJ38101
69	Q8N7C5 (Q8N7C5) Hypothetical protein FLJ25795
69	Q8N244 (Q8N244) Hypothetical protein FLJ33962
69	NDR3_HUMAN (Q9UGV2) NDRG3 protein
67	Q9P1U1 (Q9P1U1) Actin-related protein 3-beta
67	Q9BPY3 (Q9BPY3) Similar to hypothetical protein FLJ20635
62	Q8WZ83 (Q8WZ83) Olfactory receptor-like protein

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      (Fragment)
62    Q8TCP4 (Q8TCP4) Hypothetical protein (Fragment)
61    Q9H0G1 (Q9H0G1) Hypothetical protein
61    Q9BZQ1 (Q9BZQ1) C1orf25 (Hypothetical protein
      FLJ90512)
61    Q96T53 (Q96T53) FKSG89
61    Q8NE06 (Q8NE06) Hypothetical protein
61    NRTR_HUMAN (O00451) Neurturin receptor alpha
      precursor (NTNR-alpha) (NRTNR-alpha) (TGF-beta
      related neurotrophic factor receptor 2) (GDNF
      receptor beta) (GDNFR-beta) (RET ligand 2) (GFR-
      alpha 2)
61    CBX6_HUMAN (O95503) Chromobox protein homolog 6
61    ARP3_HUMAN (P32391) Actin-like protein 3 (Actin-
      related protein 3) (Actin-2)
61    6PGL_HUMAN (O95336) 6-phosphogluconolactonase (EC
      3.1.1.31) (6PGL)
60    YG49_HUMAN (Q9BY77) Hypothetical protein KIAA1649
60    SMS_HUMAN (P01166) Somatostatin precursor
      [Contains: Somatostatin-28; Somatostatin-14]
60    Q9NUP7 (Q9NUP7) Hypothetical protein FLJ11219
60    Q9H9M2 (Q9H9M2) Hypothetical protein FLJ12660
60    Q9BXP6 (Q9BXP6) Hypothetical protein
60    Q9BU76 (Q9BU76) Hypothetical protein
60    Q96DI7 (Q96DI7) Hypothetical protein
60    Q8TE06 (Q8TE06) SLTP004
60    Q8TB37 (Q8TB37) Hypothetical protein
60    Q8N4J0 (Q8N4J0) Similar to RIKEN cDNA 2410127L17
      gene
60    Q8N2M4 (Q8N2M4) Hypothetical protein FLJ90119
60    Q8N1W4 (Q8N1W4) Hypothetical protein FLJ37387
60    PSD1_HUMAN (Q99460) 26S proteasome non-ATPase
      regulatory subunit 1 (26S proteasome regulatory
      subunit S1) (26S proteasome subunit p112)
60    PGC2_HUMAN (O15173) Membrane associated
      progesterone receptor component 2 (Progesterone
      membrane binding protein) (Steroid receptor
      protein DG6)
60    O95320 (O95320) U5 snRNP-specific 40 kDa protein
60    CLS2_HUMAN (Q9H4D0) Calsyntenin-2 precursor
60    C24B_HUMAN (P04839) Cytochrome B-245 heavy chain
      (P22 phagocyte B-cytochrome) (Neutrophil
      cytochrome B, 91 kDa polypeptide) (CGD91-PHOX)
      (GP91-PHOX) (Heme binding membrane glycoprotein
      GP91PHOX) (Cytochrome B(558) beta chain)
      (Superoxide-generating NADPH oxidase heavy chain
      subunit)
60    ANGT_HUMAN (P01019) Angiotensinogen precursor
      [Contains: Angiotensin I (Ang I); Angiotensin II
      (Ang II); Angiotensin III (Ang III) (Des-Asp[1]-
      angiotensin II)]
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57	TFAM_HUMAN (Q00059) Transcription factor A, mitochondrial precursor (mtTFA) (Mitochondrial transcription factor 1) (MtTF1) (Transcription factor 6-like 2)
57	Q9ULP9 (Q9ULP9) Hypothetical protein KIAA1171 (Fragment)
57	Q9UIK5 (Q9UIK5) TMEFF2 protein precursor (Transmembrane protein TENB2) (TPEF) (Transmembrane protein with EGF-like and TWO follistatin-like domains 2)
57	Q96R29 (Q96R29) Olfactory receptor (Fragment)
57	Q96R28 (Q96R28) Olfactory receptor (Fragment)
57	Q96QR8 (Q96QR8) Pur-beta
57	Q96AQ2 (Q96AQ2) Hypothetical protein
57	Q8WW14 (Q8WW14) Hypothetical protein
57	Q8TC94 (Q8TC94) Hypothetical protein
57	Q8N2R5 (Q8N2R5) Hypothetical protein FLJ90026
57	BMP6_HUMAN (P22004) Bone morphogenetic protein 6 precursor (BMP-6)
56	Q9BU27 (Q9BU27) Similar to predicted osteoblast protein
56	Q96DN2 (Q96DN2) Hypothetical protein FLJ32009
56	Q8TF28 (Q8TF28) Hypothetical protein KIAA1974 (Fragment)
55	Q9UDC7 (Q9UDC7) P600 homolog
54	Q9NWK6 (Q9NWK6) Hypothetical protein FLJ20772
54	Q8NFK1 (Q8NFK1) Connexin 31.3
54	Q8N0U2 (Q8N0U2) Hypothetical gene LOC127421
53	Q9P1C9 (Q9P1C9) PRO2561 (Hypothetical protein)
53	Q96I58 (Q96I58) Hypothetical protein
53	Q8N9Z7 (Q8N9Z7) Hypothetical protein FLJ36014
53	Q8N7B9 (Q8N7B9) Hypothetical protein FLJ25818
53	O00634 (O00634) Netrin-2 like protein
53	FIG1_HUMAN (Q96RQ9) Interleukin-4 induced protein 1 precursor (Fig-1 protein)
53	BCLW_HUMAN (Q92843) Apoptosis regulator Bcl-W (BCL2-like 2 protein)
53	AS12_HUMAN (Q8WXK4) Ankyrin repeat and SOCS box containing protein 12 (ASB-12)
52	SNXQ_HUMAN (O14559) Sorting nexin 26
52	Q96LL8 (Q96LL8) Hypothetical protein FLJ25390
51	Q8N2V9 (Q8N2V9) Hypothetical protein (Fragment)
51	Q8N1G2 (Q8N1G2) Hypothetical protein KIAA0082
Mouse	
100	Q9DD20 (Q9DD20) 0610006F02Rik protein (RIKEN cDNA 0610006F02 gene)
100	Q9DCT4 (Q9DCT4) 1110003N24Rik protein
100	Q9DCS2 (Q9DCS2) 0610011F06Rik protein
100	Q9DAX6 (Q9DAX6) 1600013P15Rik protein (RIKEN cDNA 1600013P15 gene)
100	Q9D9Q9 (Q9D9Q9) 2310045H08Rik protein

100	Q9D853 (Q9D853) 2010208K18Rik protein
100	Q9D7S5 (Q9D7S5) 2210414H16Rik protein
100	Q9D5F1 (Q9D5F1) 2610002P10Rik protein
100	Q9D1L3 (Q9D1L3) 1110003N24Rik protein
100	Q9D0L8 (Q9D0L8) 2610002P10Rik protein (RIKEN cDNA 2610002P10 gene)
100	Q9CZ25 (Q9CZ25) 2810410A08Rik protein
100	Q9CZ09 (Q9CZ09) 2810422O20Rik protein
100	Q9CX58 (Q9CX58) 6720434D09Rik protein
100	Q9CST4 (Q9CST4) 5830445C04Rik protein (Fragment)
100	Q9CS89 (Q9CS89) 5730409G15Rik protein (Fragment)
100	Q9CPY0 (Q9CPY0) 2310037B18Rik protein
100	Q99LP4 (Q99LP4) Hypothetical 25.8 kDa protein
100	Q99KI7 (Q99KI7) Similar to hypothetical protein FLJ13984
100	Q99KC3 (Q99KC3) Hypothetical 46.8 kDa protein
100	Q922K7 (Q922K7) Similar to nucleolar protein 1 (120kD)
100	Q8R1C6 (Q8R1C6) Hypothetical 43.6 kDa protein
100	Q8K1A0 (Q8K1A0) Similar to HSPC133 protein
100	P70222 (P70222) Protein HTF9C (ORF2 product)
95	YPL3_MOUSE (Q9D0U3) Yippee-like protein 3
95	YPL2_MOUSE (Q9CQB6) Yippee-like protein 2
95	U183_MOUSE (Q922R1) UPF0183 protein
95	Q9QY68 (Q9QY68) Hematopoietic zinc finger protein
95	Q9D8V1 (Q9D8V1) 1810030M08Rik protein
95	Q9D4U5 (Q9D4U5) 4930556P03Rik protein
95	Q9D445 (Q9D445) 4933414E04Rik protein
95	Q9CZ57 (Q9CZ57) 2810405F18Rik protein (RIKEN cDNA 2810405F18 gene)
95	Q9CTV2 (Q9CTV2) 4933434L15Rik protein (Fragment)
95	Q9CQL0 (Q9CQL0) 2310038H17Rik protein
95	Q91YP1 (Q91YP1) Similar to RIKEN cDNA 4930556P03 gene
95	Q8R2U4 (Q8R2U4) Similar to AD-003 protein
95	IRG1_MOUSE (P54987) Immune-responsive protein 1 (Fragment)
90	Q9D2Q2 (Q9D2Q2) 2310079F23Rik protein
83	Q9D8I4 (Q9D8I4) Adult male small intestine cDNA, RIKEN full-length enriched library, clone:2010001F03, full insert sequence
81	YPL1_MOUSE (Q9ESC7) Yippee-like protein 1 (DGL-1) (Mdgl-1)
81	Q9D146 (Q9D146) 1110030G24Rik protein
78	Q9D928 (Q9D928) 1810009K13Rik protein
78	Q9D407 (Q9D407) 4933424L15Rik protein
78	GLI3_MOUSE (Q61602) Zinc finger protein GLI3
75	Q9DA95 (Q9DA95) 1700016N17Rik protein
75	Q9D8Q9 (Q9D8Q9) 1810009K13Rik protein
75	Q9CWD5 (Q9CWD5) 2410197A17Rik protein

73	Q9CZT5 (Q9CZT5) 2610528G05Rik protein
73	Q8R2G5 (Q8R2G5) Slit-like 2 protein precursor
69	Q9D900 (Q9D900) 1810014G04Rik protein
69	Q9D1Z3 (Q9D1Z3) A930016P21Rik protein
69	Q9D1J5 (Q9D1J5) 1110005A03Rik protein
69	Q9D0C4 (Q9D0C4) 2610027O18Rik protein (RIKEN cDNA 2610027O18 gene)
69	Q9CXI0 (Q9CXI0) 1810014G04Rik protein
69	Q9CUB4 (Q9CUB4) 4933430B08Rik protein (Fragment)
69	Q9CTQ5 (Q9CTQ5) A930005C09Rik protein (Fragment)
69	Q9CTE4 (Q9CTE4) 1110020G09Rik protein (Fragment)
69	Q9CSP6 (Q9CSP6) 2700018L24Rik protein (Fragment)
69	Q9CQF9 (Q9CQF9) 1200015P13Rik protein (RIKEN cDNA 1200015P13 gene)
69	Q925H5 (Q925H5) Keratin-associated protein 16.6 (Fragment)
69	Q8R2Z2 (Q8R2Z2) RIKEN cDNA 1110005A03 gene
69	Q8R0W6 (Q8R0W6) Hypothetical 24.9 kDa protein
69	Q03317 (Q03317) Transcription factor S-II-related proteins
68	P97770 (P97770) Hypothetical 56.4 kDa protein (ROSA26AS)
66	Q9CVD2 (Q9CVD2) 2210008M02Rik protein (Fragment)
66	Q99L58 (Q99L58) Hypothetical 34.3 kDa protein
64	Q9CWH5 (Q9CWH5) 2410075D05Rik protein
62	Q9JJW6 (Q9JJW6) RNA and export factor binding protein 2-I
62	Q9EQH8 (Q9EQH8) Nedd4 WW domain-binding protein 5 (Fragment)
62	Q9CXA7 (Q9CXA7) 8430422M09Rik protein
59	Q9DBE9 (Q9DBE9) Epcs3 protein
59	Q921I7 (Q921I7) Similar to ectoplacental cone, invasive trophoblast giant cells, extraembryonic ectoderm and chorion sequence 3
59	Q91YR5 (Q91YR5) Hypothetical 78.8 kDa protein
59	Q8VH01 (Q8VH01) Olfactory receptor MOR19-1
59	Q8K4F6 (Q8K4F6) Williams-Beuren syndrome critical region protein 20
59	Q8JZM0 (Q8JZM0) Hypothetical protein (Transcription factor b1)
59	NF3L_MOUSE (Q9EQ80) NIF3-like protein 1
59	NDR2_MOUSE (Q9QYG0) NDRG2 protein (Ndr2 protein)
56	TR18_MOUSE (O35714) Tumor necrosis factor receptor superfamily member 18 precursor (Glucocorticoid-induced TNFR-related protein)
56	Q9D8X6 (Q9D8X6) 1810022C23Rik protein (RIKEN cDNA 1810022C23 gene)
55	Q9QZC2 (Q9QZC2) Receptor for viral-encoded semaphorin protein
55	Q9JM62 (Q9JM62) Polyposis locus protein 1-like 1 (TB2 protein-like 1)
55	Q99LX5 (Q99LX5) Hypothetical 29.3 kDa protein

55 Q925H6 (Q925H6) Keratin-associated protein 16.5
55 FSL1_MOUSE (Q62356) Follistatin-related protein 1 precursor (Follistatin-like 1) (TGF-beta-inducible protein TSC-36)
53 Q9DA18 (Q9DA18) 1700023B23Rik protein
51 Q8R0T6 (Q8R0T6) Hypothetical 51.6 kDa protein (Fragment)
51 NDR1_MOUSE (Q62433) NDRG1 protein (N-myc downstream regulated gene 1 protein) (Protein Ndr1)

S. cerevisiae

100YNJ2_YEAST (P53934) Hypothetical 45.5 kDa protein in YPT53-RHO2 intergenic region
100YNC4_YEAST (P53970) Hypothetical 27.7 kDa protein in UME3-HDA1 intergenic region
100YMB4_YEAST (P49957) Hypothetical 32.4 kDa protein in TAF40-ERV25 intergenic region
100YJ99_YEAST (P47163) Hypothetical 39.0 kDa protein in ZMS1-MNS1 intergenic region
100YIG4_YEAST (P40516) Hypothetical 28.7 kDa protein in RNR3-ARC15 intergenic region
100YHN0_YEAST (P38793) Hypothetical 56.5 kDa protein in DYS1-PCL5 intergenic region
100YH09_YEAST (P38892) Hypothetical 33.8 kDa protein in TWT1-FLO5 intergenic region
100YE05_YEAST (P32643) Hypothetical 34.8 kDa protein in RAD24-BMH1 intergenic region
100YB9P_YEAST (P38347) Hypothetical 48.0 kDa protein in MRPL37-RIF1 intergenic region
100Q12052 (Q12052) P2573 protein (ORF YPL157W)
100Q12009 (Q12009) ORF D1075
100Q06668 (Q06668) SIMILARITY to E. COLI hypothetical 28.1 kDa protein in UDP-RFAH region
100Q03920 (Q03920) Hypothetical 25.0 kDa protein
100Q02733 (Q02733) LPB14P
100ABPX_YEAST (Q08641) Actin-binding protein ABP140
91Q12463 (Q12463) Chromosome XV reading frame ORF YOL124C
91NOP2_YEAST (P40991) Nucleolar protein NOP2
91MTF1_YEAST (P14908) Mitochondrial replication protein MTF1 (Mitochondrial transcription factor MTTFB) (RF1023) (Mitochondrial specificity factor)
90YIL0_YEAST (P40481) Hypothetical 42.5 kDa protein in COX5B-PFK26 intergenic region
86YNG3_YEAST (P53944) Hypothetical 35.9 kDa protein in MAS5-GCD10 intergenic region
81YB9H_YEAST (P38340) Hypothetical 26.1 kDa protein in POP4-SHM1 intergenic region
72Q04081 (Q04081) D9461.21P
68YMA5_YEAST (Q04235) Hypothetical 52.7 kDa protein in PDR4-GLO1 intergenic region
68Q03305 (Q03305) D8035.9P

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62YGA4_YEAST (P53196) Hypothetical 46.4 kDa Trp-Asp
  repeats containing protein in PMC1-TFG2
  intergenic region
62TBP6_YEAST (P40328) Probable 26S protease subunit
  YTA6 (TAT-binding homolog 6)
62FBRL_YEAST (P15646) Fibrillarin (Nucleolar
  protein 1)
54YHX6_YEAST (P38866) Hypothetical 42.4 kDa protein
  in CTR2-STB5 intergenic region
54Q12291 (Q12291) ORF YLR063W
54NPR1_YEAST (P22211) Nitrogen permease reactivator
  protein (EC 2.7.1.-)
54FRE7_YEAST (Q12333) Ferric reductase
  transmembrane component 7 (EC 1.16.1.7) (Ferric-
  chelate reductase 7)
45YD61_YEAST (P38961) Hypothetical 47.2 kDa protein
  in STN1-AFR1 intergenic region
45Q05874 (Q05874) Chromosome XII COSMID 8003
39YN91_YEAST (P53748) Hypothetical 35.7 kDa protein
  in BIO3-HXT17 intergenic region
39YIR0_YEAST (P40441) Hypothetical 50.8 kDa protein
  in SDL1 5'region
39RN15_YEAST (P25299) mRNA 3'-end processing
  protein RNA15
39Q12090 (Q12090) Similar to S. POMBE hypothetical
  protein C22G7.04P (YLR107WP)
34YM79_YEAST (Q04018) Hypothetical 37.4 kDa protein
  in ZRC1-FAA4 intergenic region
32YN8H_YEAST (P53729) Hypothetical 48.1 kDa protein
  in SEC12-SSK2 intergenic region
32YKP5_YEAST (P36056) Hypothetical 72.2 kDa protein
  in RPS27A-GPM1 intergenic region
32RA51_YEAST (P25454) DNA repair protein RAD51
28YAE6_YEAST (P39724) Hypothetical 13.4 kDa protein
  in ACS1-GCV3 intergenic region
28Q06147 (Q06147) Chromosome XII COSMID 8479
27YM29_YEAST (Q03792) Hypothetical 83.1 kDa protein
  in IMP1-HLJ1 intergenic region
27Q08282 (Q08282) Chromosome XV reading frame ORF
  YOL141W
27Q02648 (Q02648) LPB1P
26Q96VH5 (Q96VH5) Hypothetical 10.4 kDa protein
25Q07410 (Q07410) ORF YDL062W
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