

Table 4. Genes Containing Other RNA Binding Domains in InterPro Database

CG Number	Gene Name	Best <i>S. cerevisiae</i>	Match Score	Best <i>C. elegans</i>	Match Score	Best <i>H. sapiens</i>	Match	Score	Comments
CG10110	<i>cpsf</i>	YDR301W (<i>CFT1</i>)	7.5e-56	Y76B12C.7	5.0e-161	NP_037423.1 (<i>CPSF1</i>)		0.00	Ortholog of 160kDa subunit of CPSF
CG10418	<i>CG10418</i>	YBL026W (<i>LSM2</i>)	9.0e-29	T10G3.6 (<i>gut-2</i>)	1.8e-38	NP_067000.1 (<i>LSM2</i>)		1e-45	LSM2 homolog, U6 small nuclear RNA associated
CG1078	<i>CG1078</i>	YJR093C (<i>FIP1</i>)	5.9e-11	F32D1.9	7.6e-16	NP_112179.2 (<i>FIP1L1</i>)		3e-39	Similar to FIP1, 3' end formation protein
CG11123	<i>CG11123</i>	YJL010C	4.0e-19	ZK792.5	2.1e-07	NP_777573.1 (<i>C14orf21</i>)		6e-38	Hypothetical protein KIAA2021
CG11337	<i>CG11337</i>	YGR195W (<i>SKI6</i>)	0.0028	BE0003N10.1	1.3e-115	NP_149100.1 (<i>PNPT1</i>)		0.0	polyribonucleotide nucleotidyltransferase 1
CG11844	<i>CG11844</i>	YGR008C (<i>STF2</i>)	1.5e-04	F56D12.5a (<i>vig-1</i>)	1.5e-21	NP_056455.1 (<i>PAI-RBP1</i>)		2e-27	Similar to PAI-1 mRNA Binding Protein
CG12870	<i>CG12870</i>	YNL016W (<i>PUB1</i>)	2.6e-21	C18A3.5a	2.7e-53	NP_071505.1 (<i>TIA1</i>)		1e-64	Similar to TIA-1
CG12924	<i>CG12924</i>	YLR275W (<i>SMD2</i>)	0.025	C52E4.3 (<i>snr-4</i>)	0.020	NP_775762.1 (<i>LSM11</i>)		2e-08	Similar to U7 snRNA-associated Sm-like protein
CG14066	<i>larp</i>	YCL037C (<i>SRO9</i>)	9.9e-08	R144.7	1.1e-75	NP_056130.2 (<i>LARP</i>)		e-114	Similar to La
CG1507	<i>Pur-a α</i>	YMR107W	0.59	F45E4.2 (<i>plp-1</i>)	1.5e-34	NP_150093.1 (<i>PURB</i>)		5e-61	Single strand DNA binding protein, human homolog binds to aMHC-mRNA
CG15481	<i>Ski6</i>	YGR195W (<i>SKI6</i>)	5.2e-33	B0564.1	2.8e-49	NP_061910.1 (<i>RRP41</i>)		1e-67	Exoribonuclease, Component of the Exosome
CG16724	<i>tra</i>	YDR210W	0.056	F10D7.5e	0.41	NP_006266.2 (<i>SFRS6</i>)		6e-09	Splicing regulator, regulates <i>doublesex</i> and <i>fruitless</i> splicing
CG16725	<i>Smn</i>	YBL021C (<i>HAP3</i>)	0.99	C41G7.1a (<i>smn-1</i>)	8.1e-06	NP_075012.1 (<i>SMN1</i>)		6e-17	Survival of Motor Neuron, snRNP biogenesis
CG16941	<i>CG16941</i>	YLR167W (<i>RPS31</i>)	3.2e-11	W07E6.4 (<i>prp-21</i>)	2.9e-122	NP_005868.1 (<i>SF3A1</i>)		0.0	SF3a120 homolog, component of U2 snRNP
CG17454	<i>CG17454</i>	YDL177C	0.11	Y71D11A.2a (<i>smr-1</i>)	3.2e-12	NP_005862.1 (<i>SMNDC1</i>)		3e-42	SPF30 homolog
CG17540	<i>CG17540</i>	YKL074C (<i>MUD2</i>)	0.0089	F58B3.7	9.9e-13	NP_116294.1 (<i>RBM17</i>)		1e-51	SPF45 homolog, involved in <i>Sex-lethal</i> splicing regulation, regulates 3' splice site selection
CG18426	<i>ytr</i>	YGL111W (<i>NSA1</i>)	0.14	R05D11.7	4.3e-14	NP_006848.1 (<i>RY1</i>)		6e-30	putative nucleic acid binding protein RY-1
CG1957	<i>CG1957</i>	YLR115W (<i>CFT2</i>)	1.2e-35	F09G2.4	2.5e-164	NP_059133.1 (<i>CPSF2</i>)		0.0	Ortholog of 100kDa subunit of CPSF
CG3019	<i>su(wa)</i>	YJL203W (<i>PRP21</i>)	0.10	B0336.9a (<i>swp-1</i>)	2.9e-21	NP_004583.2 (<i>SFRS8</i>)		3e-81	splicing regulator
CG31156	<i>CG31156</i>	YGR116W (<i>SPT6</i>)	8.7e-12	ZK973.1	1.6e-54	NP_060549.3		e-135	FLJ10379: hypothetical protein FLJ10379
CG31184	<i>CG31184</i>	YLR438C-A (<i>LSM3</i>)	2.1e-13	Y62E10A.12 (<i>lsm-3</i>)	1.3e-26	NP_055278.1 (<i>LSM3</i>)		2e-42	LSM3 homolog, U6 small nuclear RNA associated
CG3931	<i>Rrp4</i>	YHR069C (<i>RRP4</i>)	3.4e-52	Y73B6BL.3	9.7e-56	NP_055100.2 (<i>RRP4</i>)		1e-90	Component of Exosome
CG4043	<i>Rrp46</i>	YGR095C (<i>RRP46</i>)	1.7e-14	C14A4.5 (<i>cm-5</i>)	1.5e-18	NP_064543.2 (<i>RRP46</i>)		2e-37	Component of Exosome

CG Number	Gene Name	Best <i>S. cerevisiae</i> Match Score	Best <i>C. elegans</i> Match Score	Best <i>H. sapiens</i> Match Score	Score	Comments		
CG4170	<i>vig</i>	YGR008C (<i>STF2</i>)	0.32	F56D12.5a (<i>vig-1</i>)	1.5e-10	NP_056455.1 (<i>PAI-RBP1</i>)	1e-36	Involved in RNAi, Component of RISC
CG4279	<i>CG4279</i>	YJL124C (<i>LSM1</i>)	3.0e-21	F40F8.9 (<i>lsm-1</i>)	4.5e-19	NP_055277.1 (<i>LSM1</i>)	4e-43	LSM1 homolog, U6 small nuclear RNA associated
CG5166	<i>Atx2</i>	YGR178C (<i>PBP1</i>)	0.0016	F13E9.4	0.0090	NP_002964.1 (<i>SCA2</i>)	2e-56	spinocerebellar ataxia 2 (olivopontocerebellar ataxia 2, autosomal dominant, ataxin 2)
CG5728	<i>CG5728</i>	YMR229C (<i>RRP5</i>)	9.2e-44	C16A3.3	7.8e-50	XP_374829.1 (<i>PDCD11</i>)	3e-61	programmed cell death 11, ALG-4
CG5970	<i>CG5970</i>	YOR250C (<i>CLP1</i>)	4.3e-16	F59A2.4	2.8e-97	NP_006822.1 (<i>HEAB</i>)	e-136	ATP/GTP-binding protein, CLP1, Homolog of yeast DFIA subunit Clp1p
CG6197	<i>CG6197</i>	YDR416W (<i>SYF1</i>)	3.4e-37	C50F2.3	8.1e-224	NP_064581.1 (<i>XAB2</i>)	e-140	XPA binding protein 2
CG6610	<i>CG6610</i>	YER146W (<i>LSM5</i>)	2.9e-16	F28F8.3 (<i>lsm-5</i>)	6.8e-32	NP_036454.1 (<i>LSM5</i>)	7e-36	LSM5 homolog, U6 small nuclear RNA associated
CG7564	<i>CG7564</i>	YDL087C (<i>LUC7</i>)	7.3e-27	B0495.8a	2.1e-39	NP_958815.1 (<i>LUC7L</i>)	e-103	LUC7-like
CG8097	<i>CG8097</i>	YHR091C (<i>MSR1</i>)	0.37	F26F4.10 (<i>rrt-1</i>)	0.069	NP_060584.3	7e-19	hypothetical protein FLJ10496
CG8280	<i>Ef1 α 48D</i>	YBR118W (<i>TEF2</i>)	7.0e-196	F31E3.5 (<i>eft-3</i>)	3.3e-206	NP_001393.1 (<i>EEF1A1</i>)	0.0	eukaryotic translation elongation factor 1 alpha 1EF-Tu
CG8395	<i>Rrp42</i>	YDR280W (<i>RRP45</i>)	9.7e-14	F31D4.1	2.4e-29	NP_055819.1	1e-75	KIAA0116 protein, RRP42
CG9946	<i>eIF-2 α</i>	YJR007W (<i>SUI2</i>)	1.9e-65	Y37E3.10	4.1e-73	NP_004085.1 (<i>EIF2S1</i>)	e-104	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa, eIF-2-alpha