

Table 7. Other Genes Involved in RNA Processing

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
CG10223	<i>Top2</i>	YNL088W ( <i>TOP2</i> )	1.0e-286	K12D12.1	0.0	NP_001058.2 ( <i>TOP2A</i> )		0.0	topoisomerase (DNA) II alpha 170kDa
CG10236	<i>LanA</i>	YDL058W ( <i>USO1</i> )	7.8e-09	K08C7.3a ( <i>epi-1</i> )	0.00	NP_005551.3 ( <i>LAMA5</i> )		0.0	laminin, alpha 5
CG10419	<i>CG10419</i>	YIL046W ( <i>MET30</i> )	0.51	Y39A3CR.1a ( <i>smi-1</i> )	2.6e-10	NP_003607.1 ( <i>SIP1</i> )		1e-24	Interacts with SMN
CG11489	<i>CG11489</i>	TMR216C ( <i>SKY1</i> )	9.4e-96	B0464.5a ( <i>spk-1</i> )	3.8e-114	NP_055185.1 ( <i>STK23</i> )		1e-130	SR protein serine/threonine kinase
CG1646	<i>CG1646</i>	YML046W ( <i>PRP39</i> )	3.2e-25	F25B4.5	5.7e-66	NP_060392.2 ( <i>PRPF39</i> )		6e-68	Similar to PRP39, Promotes interaction of U1 snRNP with 5' splice site
CG1658	<i>Doa</i>	YLL019C ( <i>KNS1</i> )	7.4e-66	E02H4.3a	2.8e-120	NP_003984.1 ( <i>CLK2</i> )		1e-147	CDC-like kinase 2, can phosphorylate SR proteins
CG1703	<i>CG1703</i>	YER036C	8.0e-92	F18E2.2	2.9e-166	NP_001081.1 ( <i>ABCF1</i> )		0.0	ATP Binding
CG18766	<i>CG18766</i>	YJL200C	0.98	F41B5.6	0.78	XP_293745.2		1e-06	NAD binding domain
CG1976	<i>RhoGAP100F</i>	YOR134W ( <i>BAG7</i> )	3.8e-08	F35D2.5b ( <i>syd-1</i> )	4.3e-78	NP_149014.3 ( <i>7h3</i> )		6e-63	Rho GAP, GTP binding
CG2097	<i>CG2097</i>	YAL043C ( <i>PTA1</i> )	4.8e-09	F25G6.2	4.5e-66	NP_004810.1 ( <i>SYMPK</i> )		1e-172	Symplekin, Involved in 3' end formation
CG3193	<i>crn</i>	YLR117C ( <i>CLF1</i> )	5.6e-107	M03F8.3	1.1e-230	NP_057736.3 ( <i>CRNKL1</i> )		0.0	prenyltransferase, splicing factor
CG32296	<i>CG32296</i>	YDL150W ( <i>RPC53</i> )	0.18	B0513.2a	0.23	NP_054767.3 ( <i>MRTF-B</i> )		3e-50	Transcription cofactor
CG32364	<i>CG32364</i>	YGL044C ( <i>RNA15</i> )	0.076	F58D5.1 ( <i>hrp-2</i> )	0.00041	NP_620311.1 ( <i>ACF</i> )		2e-07	Similarity to apobec-1 complementation factor
CG4845	<i>CG4845</i>	YOL076W ( <i>MDM20</i> )	1.1e-06	R13F6.10	1.3e-49	NP_079229.2		e-125	TPR Domain Containing Protein
CG6512	<i>CG6512</i>	YMR089C ( <i>RCA1</i> )	6.6e-152	Y47G6A.10 ( <i>spg-7</i> )	5.2e-208	NP_006787.1 ( <i>AFG3L2</i> )		0.0	ATP Binding
CG6743	<i>Nup170</i>	YDL116W ( <i>NUP84</i> )	1.3e-19	F37C4.7	0.71	NP_065134.1 ( <i>NUP107</i> )		1e-131	nuclear pore complex protein
CG6841	<i>CG6841</i>	YBR055C ( <i>PRP6</i> )	2.8e-73	Y59A8B.6	1.2e-213	NP_036601.2 ( <i>C20orf14</i> )		0.0	Prp6/U5-102 homolog
CG7015	<i>CG7015</i>	YPR074W-A	0.75	C43F9.8 ( <i>efn-2</i> )	0.90	NP_009089.3 ( <i>D1S155E</i> )		2e-92	Nucleic acid binding domain
CG7564	<i>CG7564</i>	YDL087C ( <i>LUC7</i> )	7.3e-27	B0495.8a	2.1e-39	NP_958815.1 ( <i>LUC7L</i> )		1e-103	Similar to Luc7
CG7698	<i>CG7698</i>	YLR277C ( <i>YSH1</i> )	2.9e-144	Y67H2A.1	7.9e-196	NP_057291.1 ( <i>CPSF3</i> )		0.0	CPSF 73 kDa homolog
CG7942	<i>CG7942</i>	YKL149C ( <i>DBR1</i> )	1.5e-60	C55B7.8 ( <i>dbr-1</i> )	7.1e-87	NP_057300.1 ( <i>DBR1</i> )		1e-113	debranching enzyme homolog
CG8037	<i>Su(Tpl)</i>	YLR287C	0.95	F25B5.7c	0.061	NP_006523.1 ( <i>ELL</i> )		2e-19	RNA polymerase II elongation factor