

Table 6. Genes Containing dsRNA Binding Motifs 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	Match	Score	Comments
CG10630	<i>CG10630</i>	YNL079C (<i>TPM1</i>)	0.00029	Y54F10AM.4b (<i>ceh-44</i>)	0.059	NP_056649.1 (<i>ADARB1</i>)	1e-07 ---
CG11680	<i>mle</i>	YLR419W	1.3e-78	T07D4.3 (<i>rha-1</i>)	8.9e-220	NP_001348.1 (<i>DHX9</i>)	0.0 Controls dosage compensation, modulates splicing of <i>paralytic</i>
CG12493	<i>CG12493</i>	YJL168C (<i>SET2</i>)	0.70	F36H12.4	0.22	NP_056649.1 (<i>ADARB1</i>)	7e-06 ---
CG12598	<i>Adar</i>	YGL243W (<i>TADD1</i>)	4.2e-07	T20H4.4 (<i>adr-2</i>)	9.2e-44	NP_001103.1 (<i>ADARB1</i>)	1e-146 Adenosine Deaminase Acting on RNA, RNA editing
CG1434	<i>CG1434</i>	YNR015W (<i>DUS2</i>)	3.3e-38	Y54E5A.6	2.5e-64	NP_060273.1	1e-110 hypothetical protein FLJ20399
CG1800	<i>CG1800</i>	YER063W (<i>THO1</i>)	0.076	T22A3.5	6.5e-29	NP_073557.3 (<i>DGCR8</i>)	3e-97 DiGeorge syndrome critical region gene 8
CG4792	<i>Dcr-1</i>	YMR239C (<i>RNT1</i>)	0.00038	K12H4.8 (<i>dcr-1</i>)	3.0e-206	NP_085124.2 (<i>DICER1</i>)	1e-118 Dicer, Involved in RNAi, cleaves dsRNA
CG6493	<i>Dcr-2</i>	YIR002C (<i>MPH1</i>)	4.4e-09	K12H4.8 (<i>dcr-1</i>)	1.2e-120	NP_085124.2 (<i>DICER1</i>)	1e-102 Dicer-2, Involved in RNAi, cleaves dsRNAs
CG6866	<i>CG6866</i>	YBL107C	0.997	D1037.1	3.7e-06	NP_599150.1 (<i>TARBP2</i>)	4e-40 TAR (HIV) RNA binding protein 2
CG8273	<i>CG8273</i>	YNL224C	0.11	D1037.1	1.2e-42	NP_620303.1 (<i>SON</i>)	3e-62 SON DNA binding protein
CG8730	<i>drosha</i>	YMR239C (<i>RNT1</i>)	0.00091	F26E4.10	7.2e-122	NP_037367.2 (<i>RNASE3L</i>)	0.0 nuclear RNase III Drosha