

Table S4 - Correspondence between MEME identified motifs and motif from RegRNA database.

RegRNA Acc. number	RegRNA motif (consensus)	Motif class	Footprinter motif (in grey the RegRNA motif)	Corresponding gene	Binding Protein	Drosophila homolog
R0928	AAGT	Exonic splicing enhancer	Motif 18 GCAAGTCT Motif 18 GCAAGTCA	<i>Aeadsx</i> <i>Aeafro</i>	hnRNPG	Hrb27C (CG10377)
R0612	GRYYMCYR	Exonic splicing enhancer	Motif 13 GGCCACTGT	<i>Aeafro</i>	---	SC35 (CG5442)
R0915	TGGT	Exonic splicing silencer	Motif 17 CGTTGGTAT Motif 21 GTGGTACTT Motif 26 CATGGTGT Motif 26 CATGGTGG	<i>Aeafro</i> <i>Aeafro</i> <i>Aeadsx</i> <i>Aeafro</i>	Unknown	---
R0621	YRCRKM	Exonic splicing enhancer	Motif 5 CGATCGCGTC	<i>Aeafro</i>	SRp40	B52 (CG10851)
R1033	YCA Y	Intronic splicing enhancer	Motif 9 GCAGCCATTC Motif 13 CGCCACTGT Motif 13 GGCCACTGT	<i>Aeadsx</i> <i>Aeafro</i> <i>Aeafro</i>	Nova-1	Pasilla (CG42670)
R0987	CTGN	Intronic splicing enhancer	Motif 10 GAGCCTGAAT Motif 13 CGCCACTGT Motif 13 GGCCACTGT Motif 22 ATCTGAAA Motif 35 ACTGTTCT Motif 35 ACTGTTCT	<i>Aeadsx</i> <i>Aeafro</i> <i>Aeafro</i> <i>Aeafro</i> <i>Aeadsx</i> <i>Aeafro</i>	Unknown	---
R0952	WGGG	Intronic splicing enhancer	Motif 17 CGTGGGTAT	<i>Aeadsx</i>	Unknown	---
R0805	CATGG	Exonic splicing silencer	Motif 26 CATGGTGT Motif 26 CATGGTGG	<i>Aeadsx</i> <i>Aeafro</i>	Unknown	---
R601	WCWWC	Exonic splicing enhancer	Motif 1 AACATCCATCCGAAA Motif 1 AACCAACATCCGAAA Motif 8 TCTACTTG TG Motif 8 TCTACTAGTG Motif 20 TGTCTTCCA	<i>Aeadsx</i> <i>Aeafro</i> <i>Aeadsx</i> <i>Aeafro</i> <i>Aeafro</i>	SRp20	x16 (CG10203)

Shaded in light grey the nucleotides of MEME motifs corresponding to RegRNA motifs

Y= C/T
R= A/G
K= G/T
M= A/C
W= A/T
S= C/G