

Table S6: primers

Target	Species	Assay	Forward (5'-3')	Reverse (5'-3')	Reference
LDS-G4C2	<i>Dmel.</i>	PCR	ACTCGCTGAGGGTGAACAAG	CGACTCCTGAGTTCCAGAGC	Goodman et al, Nat Neuro, in press
GFP tag	<i>Dmel.</i>	qPCR	ACGTAAACGGCCACAAGTTC	AAGTCGTGCTGCTTCATGTG	Goodman et al, Nat Neuro, in press
RP49	<i>Dmel.</i>	qPCR	TGTCCTTCCAGCTTCAAGATGACCATC	CTTGGGCTTGCGCCATTTGTG	Gabler, M. et al., 2005
eIF4B	<i>Dmel.</i>	qPCR	CGCATTGAGCTATCGAATGA	CCAATTTCCGGAATCCCTAT	this paper
eIF4H1	<i>Dmel.</i>	qPCR	GGGAAACGGATCAGTTCAAA	CTTCTGGAACCGTCTCTGC	this paper
EIF4H	<i>Hsap.</i>	qPCR	GGTGGCTTTGGATTCAGAAA	CCCTGAAGCCAGAATTGAAG	this paper
EIF4B	<i>Hsap.</i>	qPCR	AGCTCAGACACAGAGCAGCA	CTTTCCTTCCTGGTCCTTCC	this paper
RPLP0	<i>Hsap</i>	qPCR	TCTACAACCCTGAAGTGCTTGAT	CAATCTGCAGACAGACACTGG	Goodman et al, Nat Neuro, in press
GAPDH	<i>Hsap</i>	qPCR	GTTCGACAGTCAGCCGCATC	GGAATTTGCCATGGGTGGA	Goodman et al, Nat Neuro, in press