



Supplementary fig. 4 : Sea urchin (Sp) 4E-BP and Human (Hs) 4E-BP1 repress translation in a mammalian system.

Recombinant 4E-BP proteins and capped / polyadenylated luciferase mRNA were produced as described previously (Oulhen, PlosOne, 2009). 5 fmol of reporter mRNA was incubated in rabbit reticulocyte lysate (Promega) with 200 ng of recombinant Sp 4E-BP, Hs 4E-BP1, or their variants -respectively Sp YL and Hs YL- that do not interact with eIF4E (Oulhen, PlosOne, 2009). Translation with the control protein (GST) was arbitrarily set to 100%. Error bars represent the standard deviation of triplicates.