

S2 Table. Matting efficiency in yeast. Mating efficiency (percentage of diploids) was calculated as : number of cfu/ml of diploids/ number of cfu/ml of limiting partner x 100 =% of diploids. Matting efficiencies (two independent series) were all in between 15% and 33%. Haploid yeast cells carrying eIF4E and VPg libraries (average of 10⁸ cells/mL) were mated with haploid yeast cells bearing the wt VPg or eIF4E gene. According to matting efficiency, at least 15x10⁶ diploid cells containing both genes were obtained for interaction screening. This insured that the diversity of the 3x10⁴clones transferred from *E. coli* to yeast was preserved.

Serie 1

Name	VPg WT	VPg Low	VPg Medium	VPg High
eIF4E WT	15% ; 24%	21%	26%	16%
eIF4E low	26%			
eIF4E Med	27%			
eIF4E High	30%			

Serie 2

Name	VPg WT	VPg Low	VPg Medium	VPg High
eIF4E WT	20%	19%	18%	17%
eIF4E low	33%			
eIF4E Med	25%			
eIF4E High	30%			