

A

	GCN4-lacZ expression (U)			% translating GCN4-lacZ			% translating <i>el. uORF1</i>		
	(1) WT	(2) <i>K16A</i>	(3) <i>K16D</i>	(4) WT	(5) <i>K16A</i>	(6) <i>K16D</i>	(7) WT	(8) <i>K16A</i>	(9) <i>K16D</i>
(1) Optimum: AAA AUG	8±0.5	9±0.3	19±0.8(***)	0.7	0.8	1.6	99.3	99.2	98.4
(2) Weak : UAA AUG	130±8	140±8	330±10(***)	11	13	28	89	87	72
(3) Poor : UUU AUG	410±34	620±55(*)	760±68(**)	34	56	63	66	44	37
(4) No <i>el. uORF1</i> : AAA :AGC	1200±66	1100±72	1200±104	100	100	100	<1	<1	<1

B

	GCN4-lacZ expression (U)			% translating GCN4-lacZ			% translating <i>el. uORF1</i>		
	(1) hcWT	(2) hcΔ8Δ9	(3) hcK10D	(4) hcWT	(5) hcΔ8Δ9	(6) hcK10D	(7) hcWT	(8) hcΔ8Δ9	(9) hcK10D
(1) Optimum: AAA AUG	8.1±0.4	16±1.6(*)	20±1.1(**)	0.8	1.8	2.0	99.2	98.2	98
(2) Weak : UAA AUG	120±17	330±3(**)	420±25(***)	12	36	42	88	64	58
(3) Poor : UUU AUG	460±52	650±26(*)	690±47(*)	46	72	69	54	28	31
(4) No <i>el. uORF1</i> : AAA :AGC	1000±86	900±50	1000±16	100	100	100	<1	<1	<1

Figure 4-figure supplement 3