

Table S1. Plasmids used in this study

Lab number	Lab name	Description	Abbreviation	Reference
UK105	eIF2a-NM_pET30a	His6-tagged mouse eIF2a 1-185 pET-30a(+)"	eIF2a	PMID 15341733
UK168	PerkKD-pGEX4T-1	Bacterial expression plasmid for mouse PERK kinase domain	PERK	PMID 9930704
UK622	PGV_PP1G_1-323_V1	Bacterial expression plasmid for full-length PP1 phosphatase catalytic domain	PP1G	PMID 25774600
UK1920	huPPP1R15A_533_624_male_pGEX_TEV_AviTag (MP1)	Bacterial expression plasmid for N-tern AviTagged human GADD34 533-624	R15A533-624-MBP	PMID: 28447936
UK1921	huPPP1R15A_325_636_male_pGEX_TEV_AviTag (MP4)	Bacterial expression plasmid for N-tern AviTagged human GADD34 325-624	R15A325-636-MBP	PMID: 28447936
UK2260	MBP_huPPP1R15A_325-636_H6_pMAL-c5X-His	Bacterial expression plasmid for MBP_R15A(325-636)-H6	MBP-R15A325-636	PMID: 28759048
UK2261	MBP_huPPP1R15A_325-512_H6_pMAL-c5X-His	Bacterial expression plasmid for MBP_R15A(325-512)-H6 (N-term)	MBP-R15A325-512	PMID: 28759048
UK2264	PP1A_7-330_RP1B (MPC)	Bacterial expression plasmid for H6-TEV-rabbit PP1A 7-330 Peti lab (Addgene Plasmid# 26566)	PP1a	PMID: 18992256

Table S2. Number of repeats for the different experiments

	Figures	Repeats
1	a	n/a
	b	4
	c	3
2	a	3
	b	3
	c	3
3	a	2
	b	2
4	a	3
	b	2
5	a	3
	b	2
S1	a	1
	b	1
S2	a	n/a
	b	1