

SUPPLEMENTAL INFORMATION

The solution structure of REF2-I reveals interdomain interactions and regions involved in binding mRNA export factors and RNA

Golovanov A.P., Hautbergue G.M., Tintaru, A.M., Lian L-Y and Wilson S.A.

Table1: Plasmids used in this study.

Plasmid name	Description	Tag(s)	Source
pCINeo-LacZ	LacZ ORF subcloned into pCINEO	None	L.Roaden
pCINeo-MS2	MS2 tag cloned as an <i>NheI/XbaI</i> PCR fragment into pCINEO	MS2 (5') + Myc (5')	Hargous et al. (In press)
pCINeo-MS2-GFP	GFP ORF cloned as <i>XbaI/NotI</i> PCR fragment into pCINEO	MS2 (5') + Myc (5')	Hargous et al. (In press)
pCINeo-MS2-TAP	TAP ORF cloned as <i>XbaI/NotI</i> PCR fragment into pCINeo-MS2	MS2 (5') + Myc (5')	Hargous et al. (In press)
pCINeo-MS2-REF	REF2-I ORF cloned as <i>XbaI/NotI</i> PCR fragment into pCINeo-MS2	MS2 (5') + Myc (5')	Hargous et al. (In press)
pCINeo-MS2-REF L9A, I12A, I13A, L15A	REF2-I ORF <i>XbaI/NotI</i> PCR fragment cloned into pCINeo-MS2	MS2 (5') + Myc (5')	M-L Hung, this study
pET9a-TAP-p15	TAP cloned as <i>NdeI/BamHI</i> and p15 as <i>BglII/bamHI</i> into pET9a	6His (3' of TAP)	This study
pET24b-DDX39	DDX39 ORF cloned as <i>EcoRI/XbaI</i> PCR fragment into pET24b	6 His (3')	This study
pET24b-REF	REF2-I ORF cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-NM (1-155)	ref2-I 1-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-N (1-73)	ref2-I 1-219 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-M (71-155)	ref2-I 211-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-C (155-218)	ref2-I 463-654 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-Δ15 (16-155)	ref2-I 46-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-Δ37 (38-155)	ref2-I 112-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-Δ53 (54-155)	ref2-I 160-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pET24b	T7 (5') + 6 His (3')	This study
pET24b-REF-N (1-73) I12P, L15P	ref2-I 1-219 <i>NdeI/XhoI</i> PCR fragment cloned into pET24b	6 His (3')	M-L Hung, this study
pET24b-REF-N (1-73) D10A, D11A, K14A, N18A	ref2-I 1-219 <i>NdeI/XhoI</i> PCR fragment cloned into pET24b	6 His (3')	M-L Hung, this study
pET24b-REF-N (1-73) L9A, I12A, I13A, L15A	ref2-I 1-219 <i>NdeI/XhoI</i> PCR fragment cloned into pET24b	6 His (3')	M-L Hung, this study
pGEX 6P1-REF	REF2-I ORF cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX 6P1	GST (5')	This study
pGEX 6P1-REF-NM (1-155)	ref2-I 1-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX 6P1	GST (5')	This study
pGEX 4T2-REF-N (1-74)	ref2-I 1-222 cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX 4T2	GST (5')	Williams <i>et al.</i> , 2005
pGEX 4T2-REF-M (75-151)	ref2-I 223-453 cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX 4T2	GST (5')	Williams <i>et al.</i> , 2005
pGEX 4T2-REF-C (153-218)	ref2-I 457-654 cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX 4T2	GST (5')	Williams <i>et al.</i> , 2005
pGEX6P1-REF-Δ53 (54-155)	ref2-I 160-465 cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX6P1	GST (5')	This study
pGEX6P1-REF (16-73)	ref2-I 46-219 cloned as <i>BamHI/XhoI</i> PCR fragment into pGEX6P1	GST (5')	This study
pLUCSALRRE6MS2	6 MS2 sites cloned as <i>XhoI</i> fragment into <i>Sall</i> site of pLUCSALRRE		Hargous et al. (In press)