

Supplementary Table 1. Summary of deposited B-box structures in the Protein Data Bank (PDB). B-box sequence entities classified with *Pfam Accession Number PF00642 B-box zinc finger*. Out of 19 entities, only 10 3D structures have a primary citation.

Molecule	PDB-ID	Length	Classification	Method	Comment	Primary citation
TRIM5 alpha B-box2	5K3Q	101	Ligase	X-ray diffraction	Dimer (chain A, B)	Keown & Goldstone 2016
Mini TRIM5 B-box2 dimer C2 crystal form	5EIU	141	Ligase	X-ray diffraction	Complex (chain A, D)	Wagner <i>et al.</i> 2016
TRIM5 B-box2 and coiled-coil chimera	5F7T	141	Ligase	X-ray diffraction	Complex (chain E, F, H, L)	Wagner <i>et al.</i> 2016
TRIM5 B-box2 and coiled-coil chimera	5IEA	141	Ligase	X-ray diffraction	Complex (chain A, B, C, D)	Wagner <i>et al.</i> 2016
TRIM19 B-box1	2MVW	51	Metal binding protein	Solution NMR	Dimer (chain A, B)	Huang <i>et al.</i> 2014
B-box-Coiled-coil region of Rhesus TRIM5 alpha	4TN3	400	Antiviral protein	X-ray diffraction	Complex (chain A, B)	Goldstone <i>et al.</i> 2014
TRIM54 B-box	3Q1D	47	Ligase	X-ray diffraction	Dimer (chain A)	*
TRIM63 B-box2	3DDT	48	Ligase	X-ray diffraction	Dimer (chain A, B, C)	Mrosek <i>et al.</i> 2008
Transcription intermediary factor 1-beta	2YVR	50	Metal binding protein	X-ray diffraction	Dimer (chain A, B)	*
MID-1 B-box1 B-box2 tandem	2JUN	101	Ligase	Solution NMR	Monomer (chain A)	Tao <i>et al.</i> 2008
TRIM5 B-box2	2YRG	59	Ligase	Solution NMR	Monomer (chain A)	*
TRIM41 B-box	2EGM	57	Transcription /Metal binding protein	Solution NMR	Monomer (chain A)	*
MID1 B-box2	2DQ5	47	Ligase	Solution NMR	Monomer (chain A)	Massiah <i>et al.</i> 2007
MID2 B-box	2DJA	84	Metal binding protein	Solution NMR	Monomer (chain A)	*
TRIM39 B-box	2DID	53	Protein binding	Solution NMR	Monomer (chain A)	*
TRIM39 B-box	2DIF	53	Protein binding	Solution NMR	Monomer (chain A)	*
TRIM63 B-box	2D8U	64	Ligase	Solution NMR	Monomer (chain A)	*
TRIM29 B-box2	2CSV	72	Signaling protein	Solution NMR	Monomer (chain A)	*
XNF7 B-box	1FRE	42	Zinc-binding protein	Solution NMR	Monomer (chain A)	Borden <i>et al.</i> 1995

* No PubMed ID is available.

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