

Supplementary Table 3. List of cross-links (XL) constraints found by analyzing mass spectrometry data.

All 24 XLs support the final output structure with Euclidean distance shown in the last column. The distance cut-off is set to 32 Å.

XL (kojak format)	Lysine 1 position	Lysine 2 position	Euclidean distance (Å)
<i>Intra β-sandwich domain</i>			
-.NSAIKSSIVPEVK(5)--SGKLGGR(3).-	728	421	15.32
-.HKILFDR(2)--NSAIKSSIVPEVK(5).-	718	728	26.07
-.HKILFDR(2)--VVAAEEKNGVVFIR(7).-	718	531	10.41
-.NSAIKSSIVPEVK(5)--VVAAEEKNGVVFIR(7).-	728	531	18.12
-.GEGVGAYNPQLNLKNVQR(14)--SGKLGGR(3).-	552	421	20.74
-.SGKLGGR(3)--YKHDLAASCQGR(2).-	421	514	20.91
-.DWIKGWR(4)--YKHDLAASCQGR(2).-	441	514	19.32
-.DWIKGWR(4)--WSKYK(3).-	441	512	15.54
-.HKILFDR(2)--GEGVGAYNPQLNLKNVQR(14).-	718	552	31.14
-.GEGVGAYNPQLNLKNVQR(14)--NSAIKSSIVPEVK(5).-	552	728	23.60
-.SCFSPWVGQVTEDCSSKWSK(17)--YKHDLAASCQGR(2).-	509	514	9.25
-.GEGVGAYNPQLNLKNVQR(14)--VVAAEEKNGVVFIR(7).-	552	531	28.24
<i>Intra C-terminal domain</i>			
-.KIR(1)--YKFVDAVPDIFAQIEVNEK(2).-	835	817	18.11
-.KIR(1)--QKAQILAQK(2).-	835	839	5.94
-.KTAER(1)--QKAQILAQK(2).-	772	839	23.42
-.KTAER(1)--DYAAIVEQNLQHFQPFQILLEK(14).-	772	750	26.13
-.KTAER(1)--PVFQILLEKQILSR(8).-	772	758	17.90
-.AGKR(3)--YKFVDAVPDIFAQIEVNEK(2).-	814	817	9.40
-.AQILAQKELPIDEDEEMK(7)--KIR(1).-	846	835	20.51
-.KNR(1)--YKFVDAVPDIFAQIEVNEK(2).-	808	817	11.87
-.AQILAQKELPIDEDEEMK(7)--KNR(1).-	846	808	31.86
-.FSDKR(4)--KTAER(1).-	783	772	21.38
<i>Inter α-toroid – C-terminal domain</i>			
-.DMAKDYMER(4)--KTAER(1).-	127	772	23.54
-.KTAER(1)--DMAKDYMER(4).-	772	127	23.54