

**Table S2 (B) : Peptide coverage of RFP, ubiquitin and E2S sequences, as determined by mass spectrometry**

Peptides corresponding to RFP sequence	Peptides corresponding to ubiquitin sequence	Peptides corresponding to UBE2S sequence
R.MYPEDGALKGEIK.M	R.LIFAGKQLEDGR.T	R.ALASGTEASSTDPGAPGGPGGAEGPMAK.K
Y.FQGHMQIFVK.T	K.IQDKEGIPPDQQR.L	K.EVTTLTADPPDGIK.V
R.HSTGAENLYFQGHMQI.F	K.ESTLHLVLR.L	<b>R.ALASGTEASSTDPGAPGGPGGAEGPMAK*K.H (K197)</b>
Y.FQGHMQIFVK.T	K.TITLEVEPSDTIENVK.A	K.GYFLTK.I
R.HSTGAENLYFQGHMQIF.V	R.LIFAGK.Q	R.LLTEIHGGAGGPPSGR.A
Y.VKHPADIPDYKL.S	R.TLSDYNIQK.E	K.RDWTAEELGIR.H
Y.VKHPADIPDYK.L	<b>K.TLTGK*TITLEVEPSDTIENVK.A (K11)</b>	R.HVLLTIK.C
K.LRGTFNPSDGPVMQK.K	L.EVEPSDTIENVK.A	K.CLLIHPNPESALNEEAGR.L
K.HPADIPDYK.L	L.SDYNIQK.E	R.DWTAELGIR.H
K.KPVQLPGAYK.K	<b>K.TLTGK*TITL.E (K11)</b>	R.LLLENYEEYAAR.A
L.KLSFPEGFK.W	K.TLTGKTITLEVEPSDTIENVK.A	R.ALASGTEASSTD.P
L.KLSFPEGFK.K		N.YEEYAAR.A
Y.FQGHMQIF.V		E.SALNEEAGR.L
R.GTNFPSD.G		N.PESALNEEAGR.L
K.DGGHYDAEVK.T		K.DFPASPPK.G
R.GTNFPSDGPVMQK.K		D.PGAPGGPGGAEGPMAK.K
K.TMGWEASTER.M		<b>D.PGAPGGPGGAEGPMAK*K.H (K197)</b>
N.EDYTIVEQYER.A		K.IFHPNVGAN.G
D.SSLQDGEFIYK.V		R.LLLENY.E
K.LKDGGHYDAEVK.T		L.TEIHGGAGGPPSGR.A
R.HSTGAENLYFQGH.M		L.LTEIHGGAGGPPSGR.A
K.KPVQLPGAYK.T		<b>R.ALASGTEASSTDPGAPGGPGGAEGPMAK*K*HAGER.D (K197,198)</b>
R.MEGSVNGHEFEIEGEGEGR.P		<b>D.PGAPGGPGGAEGPMAK*.H (K198)</b>
K.LDITSHNEDYTIVEQYER.A		<b>R.ALASGTEASSTDPGAPGGPGGAEGPMAK*.H (K198)</b>
R.MEGSVNGHEFEIEGEGEGRPYEGTQTAK.L		I.F]HPNVGANGEICVNVLK.R
R.MYPEDGALKGEIK.M		K.IFHPNVGANGEICVNVLK.R
D.GGHYDAEVK.T		A.PGGPGGAEGPMAK.K
R.MYPEDGALK.G		H.PNPESALNEEAGR.L
P.ADIPDYK.L		N.GEICVNVLK.R
D.GALKGEIK.M		L.LLLENYEEYAAR.A
D.GGHYDAEVKTTYMAKKPVQLPGAYKTD.I		I.HGGAGGPPSGR.A
K.LRGTFNPSDGPVMQK.K		K.IFHPNVGANGEI.C
K.LSFPEGFKWER.V		N.SNVENLPPHIIR.L
		<b>LLL GK*DFPASPPK (K68)</b>