

Supplemental Table S2A . PI5P4K2 bait peptides observed in parallel purifications in replicate and reciprocal labelling experiments

Peptide	FLAG	TALON	reciprocals
AAPGTVASVMASK	1,2,3,4	3	✓
AAPGTVASVMASKTK		2	
AAPGTVASVMASKTKTK	2		
ASDPLLSVLMWGVNHSINELSH			
VQIPVMLMPDDFK	4		
DNDFINDGQK	3, 4	2, 3	
ELPTFKDNDFINDGQK	3		
ENMPSHFKFK	1		
EVYFMAIIDILTHYDAK	3		
FGIDDQDFQNSLTR	2, 3, 4	2, 3	✓
FLDFIANILT	2, 3, 4	2, 3	✓
IHIDENNR	3		
KEYYFMAIIDILTHYDAK	3, 4	3	
KEYYFMAIIDILTHYDAKK	1, 2, 3	2	
KYDLKGSTVAR	3, 4	3	
LMDYSLLVGIHDVER	4	3	✓
LTVDGVEIYMIVTR	3		
RMFLEKLK	2		
SAPLANDSQARSGAR		4	
TITSEDVAEMHNILK	3, 4	1, 3	✓
YDLKGSTVAREASDK	1	3	
AEQEEMEVEDR	2, 3, 4		✓
AVSSEDVAEMHNILK	4		
DNDFLNEGQK	3, 4	2	✓
EVYFMAIIDILTPYDAKK	4		✓
EYCPLVFR	4		
FFGPGEFDPSPVDVYAMK	4		✓
FGIDDQDYQNSVTR	2, 3, 4		✓
FKEYCPLVFR	4		
FLTTYDR	2, 3, 4		✓
FLTTYDRR	3		✓
GSTVSREASDK		3	
IMDYSLLVGIHDVDR	4		✓
LTVDGVETYMVVTR	2, 4		✓
NVFSHRLTVHR	4		
SAPVNSDSQGR	4		✓
YDLKGSTVSREASDK	3		
<i>DVEFLAQLK</i>	1, 2, 3, 4	3, 4	✓
<i>EASDKEK</i>		3	
<i>EASDKEKAK</i>	4		
<i>HGAGAEISTVNPEQYSK</i>	2, 3, 4	3, 4	✓
<i>IKVDNHLFNK</i>	2, 3, 4	4	✓
<i>NVFSHR</i>	3		✓
<i>VDNHLFNK</i>	2	1	✓

Key: α peptides (amber), β peptides (blue), peptides found in both (grey).
 numbers indicate the experiment number in which the peptide was identified.
Bold indicated peptides used for **quantitation**