

Table S1. MS/MS data of RP2-interacting proteins.

Protein	Peptide sequence	Calculated mass	Observed mass
RP2	SSDESCLVVLFAGDYTIANAR	2288.0862	2288.0891
	DYMFSGLKDETVGR	1617.7577	1617.7513
	ESRPENEEERP	1499.7085	1499.70705
	CTLACQQFR	1183.5347	1183.5297
	QYSWDQR	982.4377	982.4384
Tubulin β	YLTVAAVFR	1039.5935	1039.5867
	FPGQLNADLR	1130.5953	1130.5884
	ISEQFTAMFR	1229.5983	1229.5903
	GHYTEGAELVDSVLDVVR	1958.9817	1958.9678
Importin β 3/RanBP5	FYFHDGVR	1040.4949	1040.4955
	ITFLLQAIR	1074.667	1074.6638
	ICDIAAELAR	1131.5826	1131.5837
	FLFDSVSSQNMGLR	1600.7788	1600.7734
	VAAAESMPLLECAR	1630.8291	1630.8188
	VIAALLQTMEDQGNQR	1786.9116	1786.9037
Importin β 2/ Transportin 1	SECLNNIGDSSPLIR	1674.8115	1674.8022
	TLENTAITIGR	1301.7423	1301.7372
	NQVGDENWR	1117.5021	1117.5007
	FSDQFPLPK	1191.6409	1191.6344
	ESQSPDTTIQR	1261.6019	1261.5990