

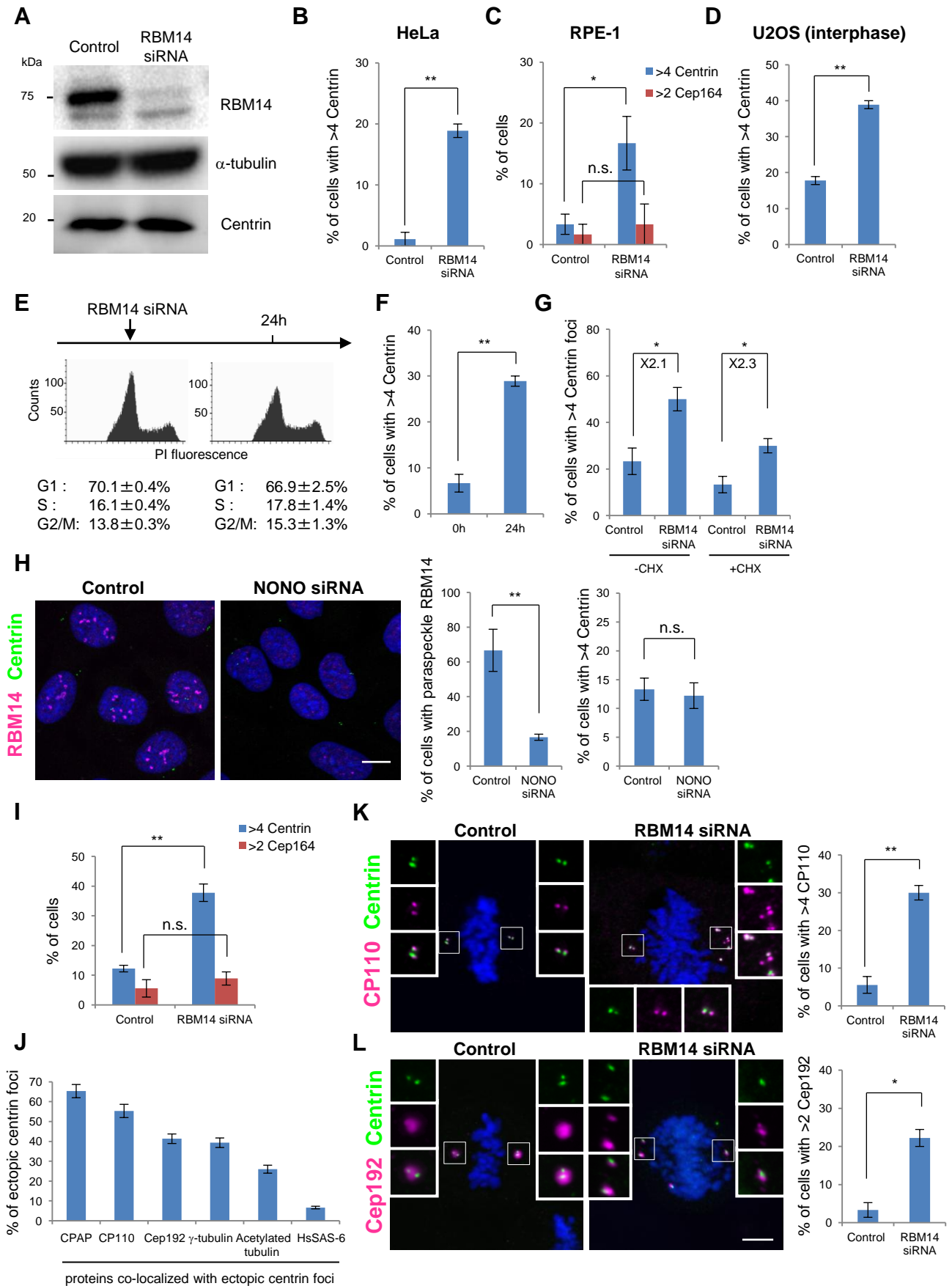
Supplementary Table S1

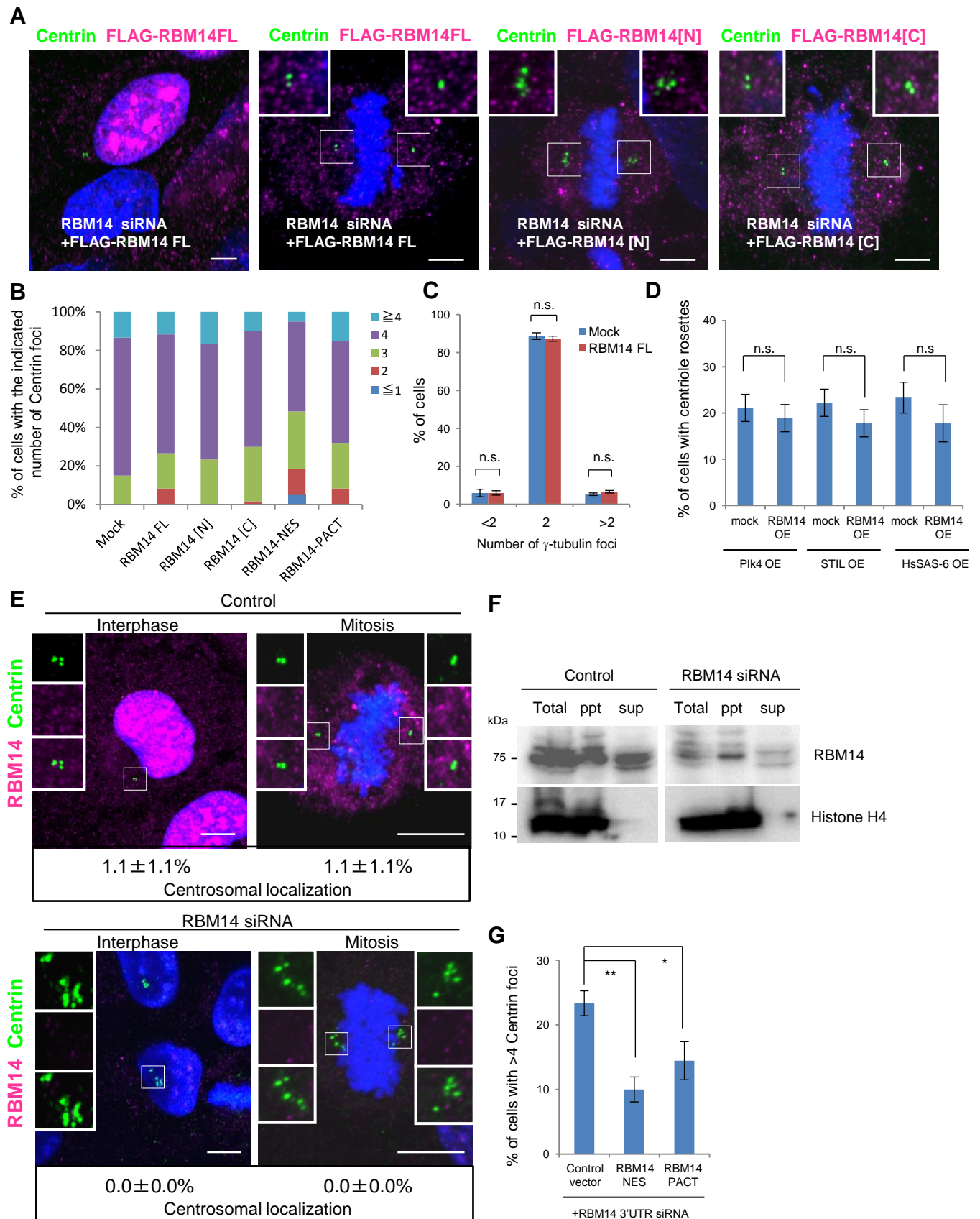
α -STIL IP	Sequence Coverage(%)	Total Peptides Number	Unique Peptides Number
RBM14 HeLa	18	11	9
RBM14 293T	9.5	6	4
STIL HeLa	28	97	28
STIL 293T	24	44	23

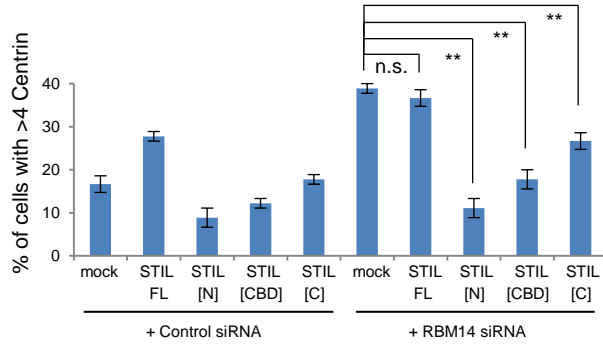
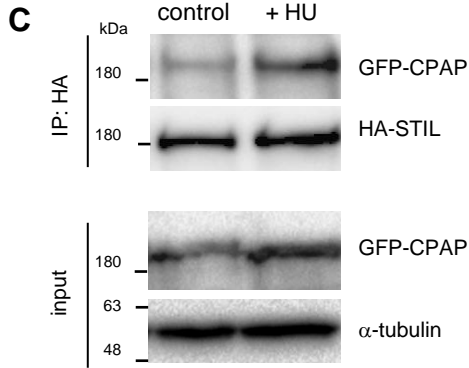
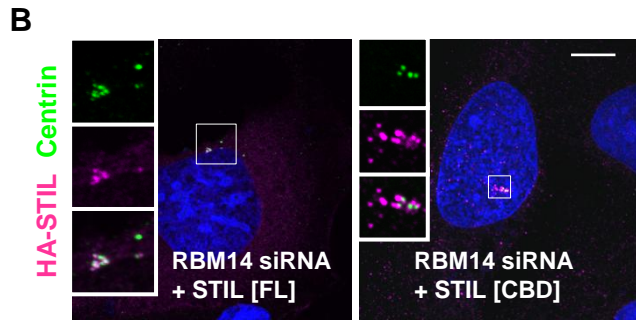
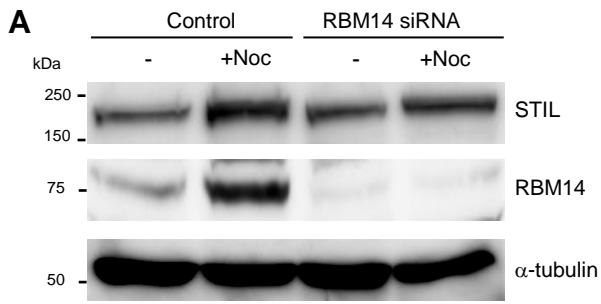
* No peptide of RBM14 or STIL was found in IP samples with control rabbit IgG

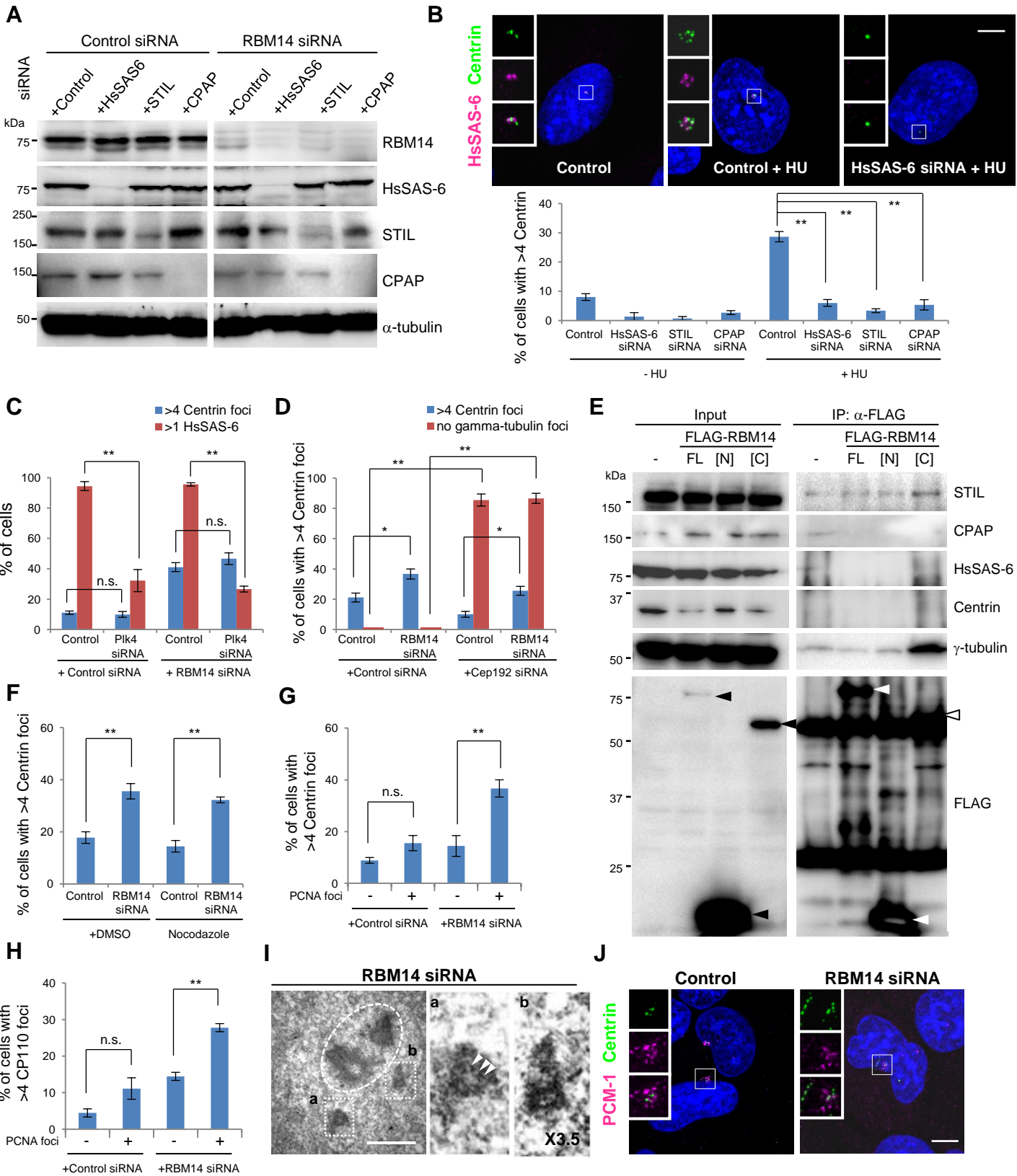
	Candidates for STIL-interacting proteins	Cells	Sequence	Total Peptides	Unique Peptides
			Coverage (%)	Number	Number
1	h-SMRT of nuclear receptor corepressor 2, NCOR2	HeLa	13	71	31
		293T	7.2	14	14
2	Cleavage stimulation factor subunit 3, CSTF3	HeLa	18	38	13
		293T	27	31	16
3	F-box-like/WD repeat-containing protein, TBL1XR1	HeLa	24	33	15
		293T	4.9	4	2
4	RNA-binding protein 14, RBM14	HeLa	18	11	9
		293T	9.5	6	4
5	SAM domain and HD-domain-containing protein 1, SAMHD1	HeLa	15	9	9
		293T	9.3	5	5
6	Lon protease homolog, mitochondrial, LONP1	HeLa	14	23	13
7	Calmodulin-regulated spectrin-associated protein, CAMSAP1	HeLa	4.8	13	8
8		HeLa	1.5	6	6
9	E3 ubiquitin-protein ligase, HERC2	HeLa	23	4	4
10	Histone H1.4	293T	24	25	6
11		293T	5.3	3	3

	Candidates for HsSAS-6-interacting proteins	Cells	Sequence	Total Peptides	Unique Peptides
			Coverage (%)	Number	Number
1	Lysine-specific histone demethylase 1A, KDM1A	HeLa	30	22	21
		293T	20	13	12
2	Rho GTPase-activating protein 17, ARHGAP17	HeLa	30	20	17
		293T	35	63	24
3	Nucleolar RNA helicase 2, DDX21	HeLa	17	10	10
4		HeLa	23	18	13
	YTH domain family protein 1, YTHDF1	293T	29	35	13
5		HeLa	26	7	7
	REST corepressor 1, RCOR1	293T	11	4	4
6		293T	8.7	19	6
7	Rho GTPase activating protein, RICH2	293T	15	6	6
8	RUv-B like 2, RUVBL2	293T	13	8	7
9	Cleavage and Polyadenylation specificity factor subunit 3, CPSF3	293T	3.7	3	3
10	Sister chromatid cohesion protein, PDS5A	293T	10	3	3
	alpha-centractin ACTR1A	293T			

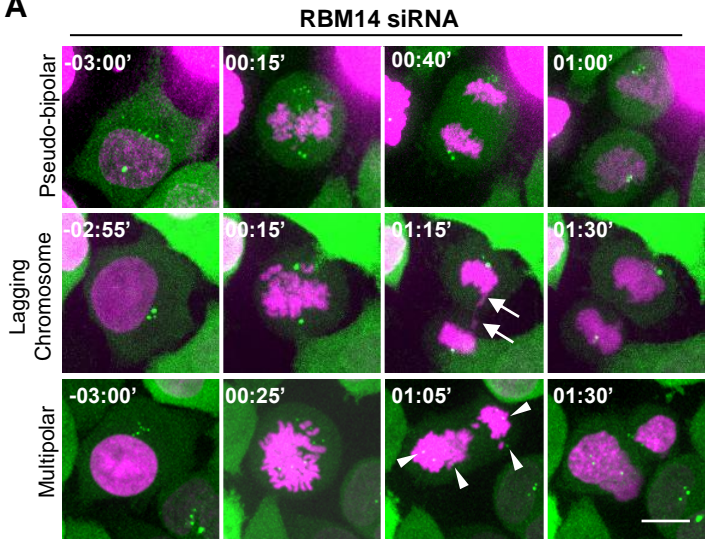




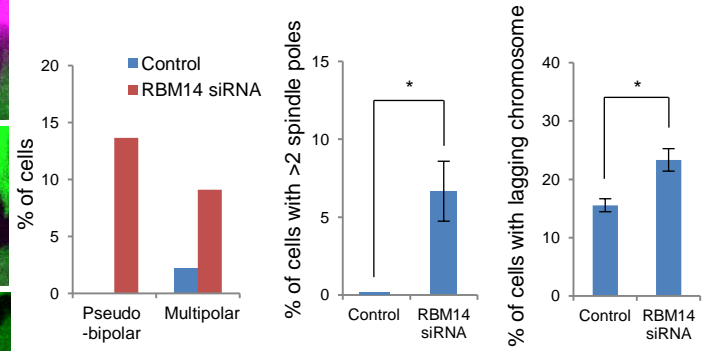




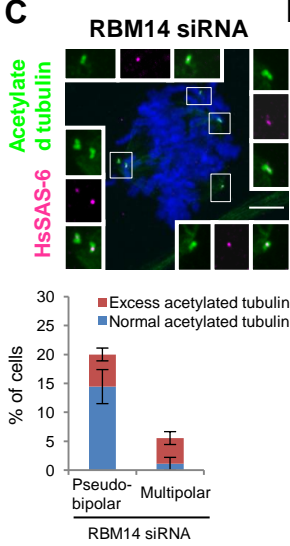
A



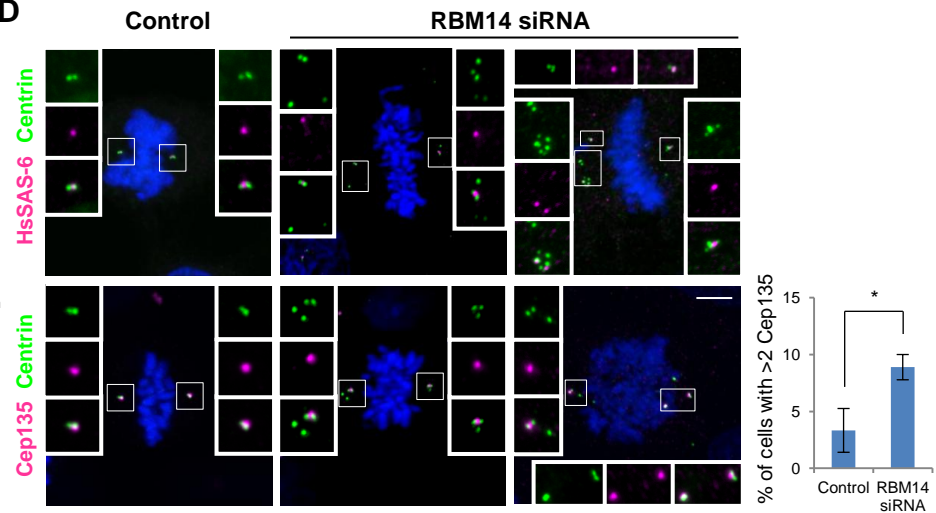
B



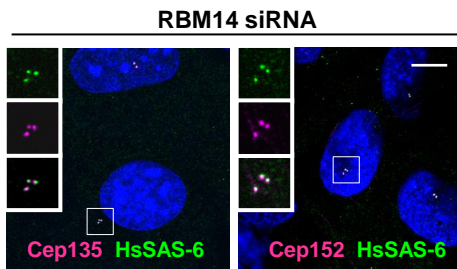
C



D

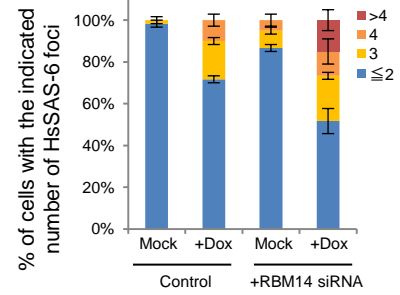
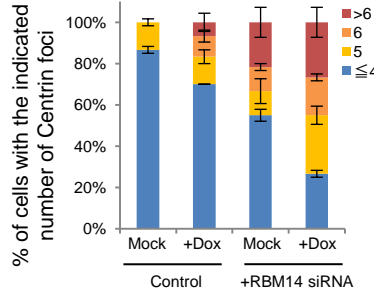
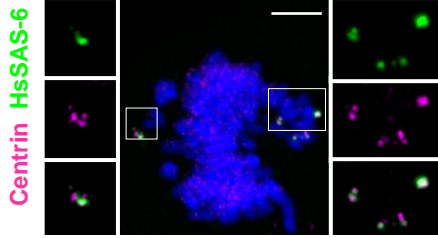


E

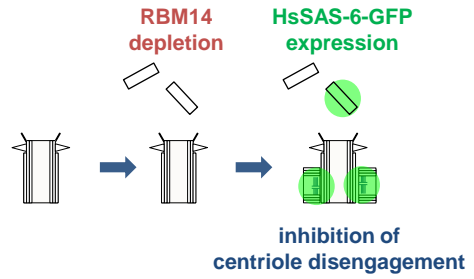
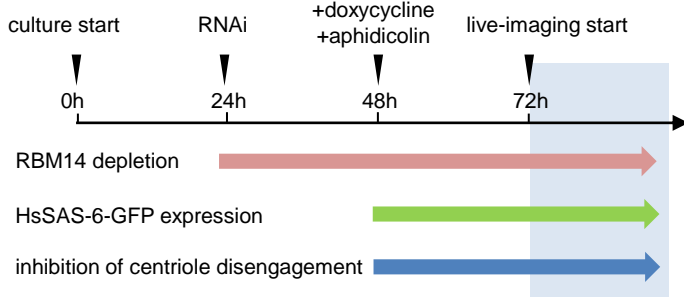


A

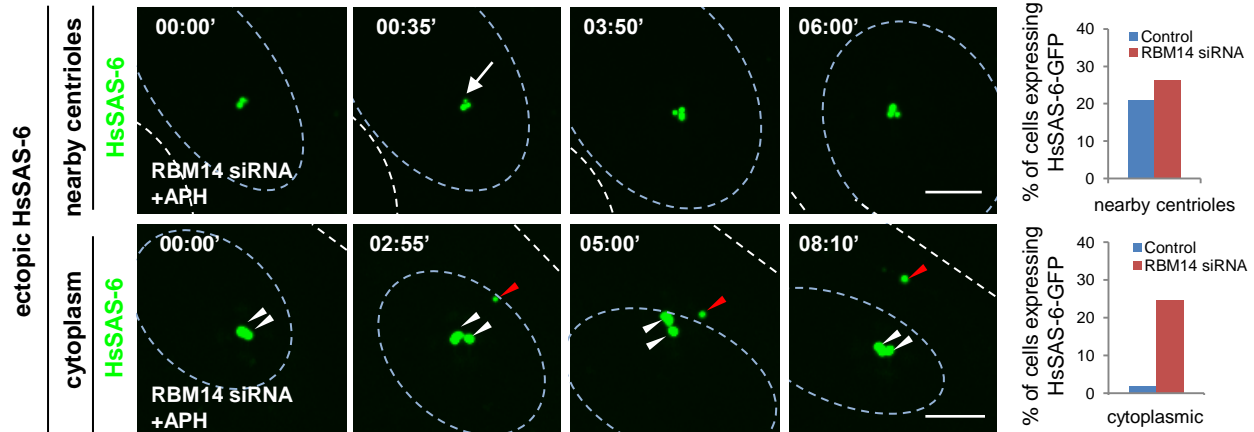
RBM14 siRNA + HsSAS-6 overexpression



B

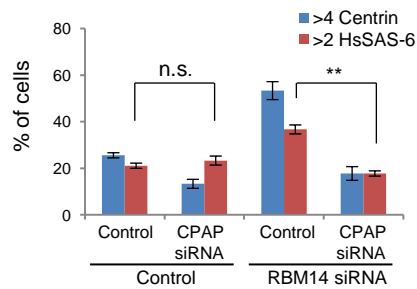


C

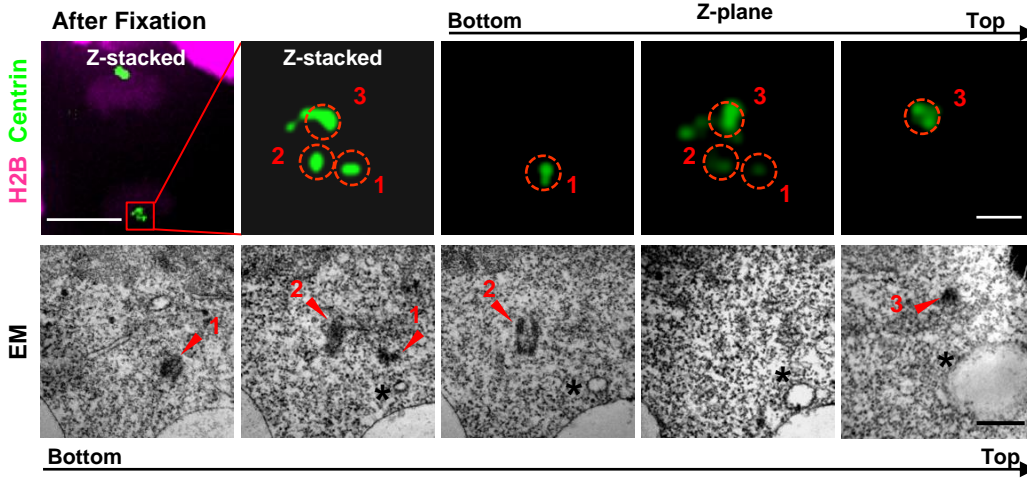


D

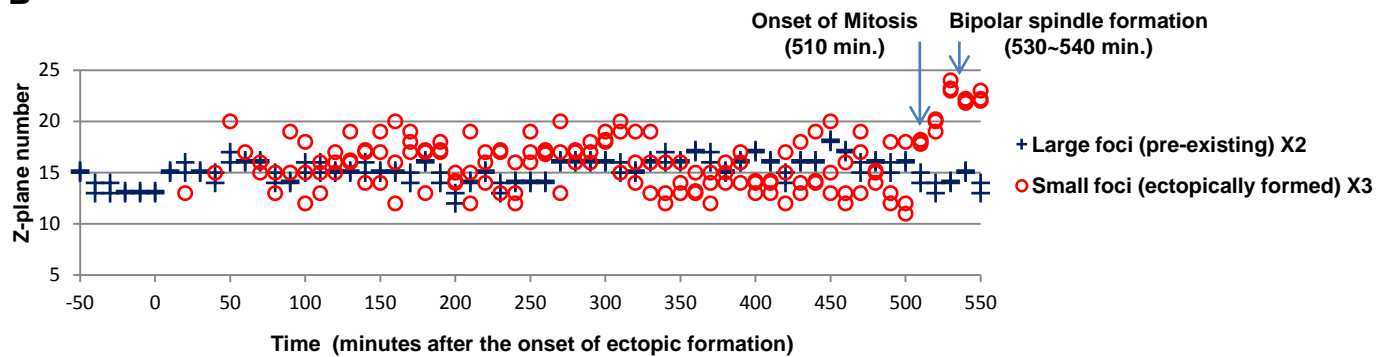
HsSAS-6 overexpression



A



B



C

