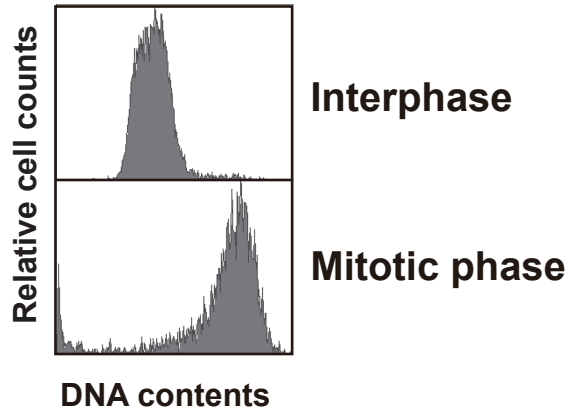
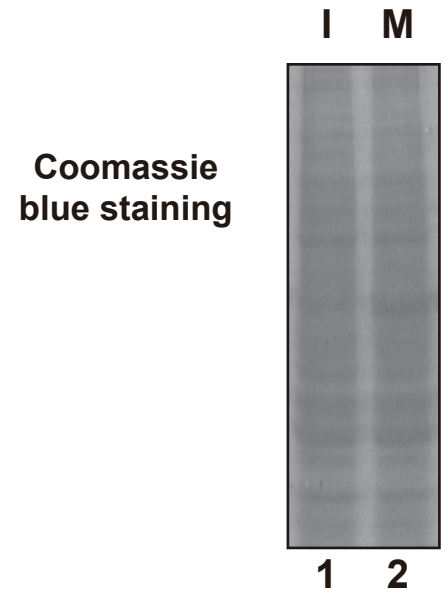


Supplementary Figure 1

A

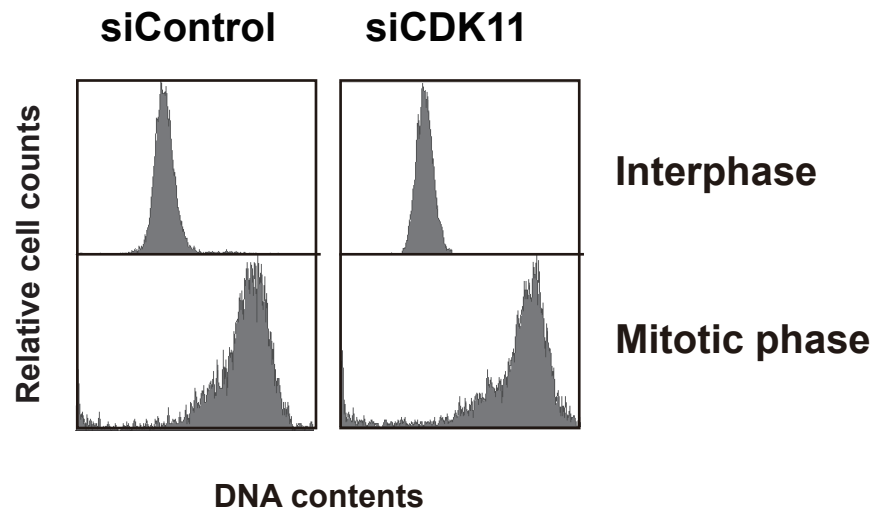


B

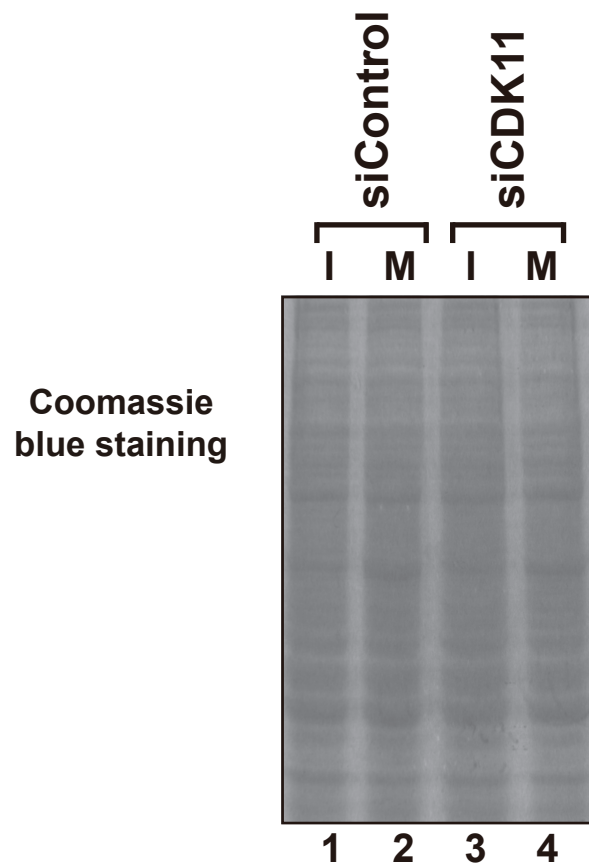


Supplementary Figure 2

A

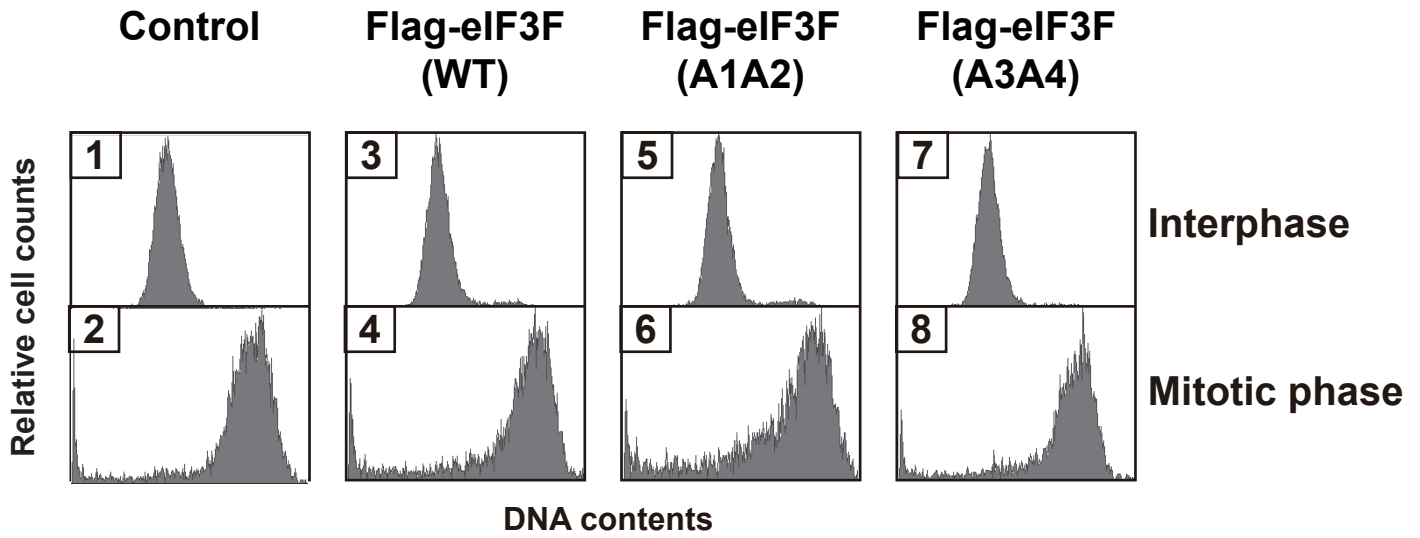


B

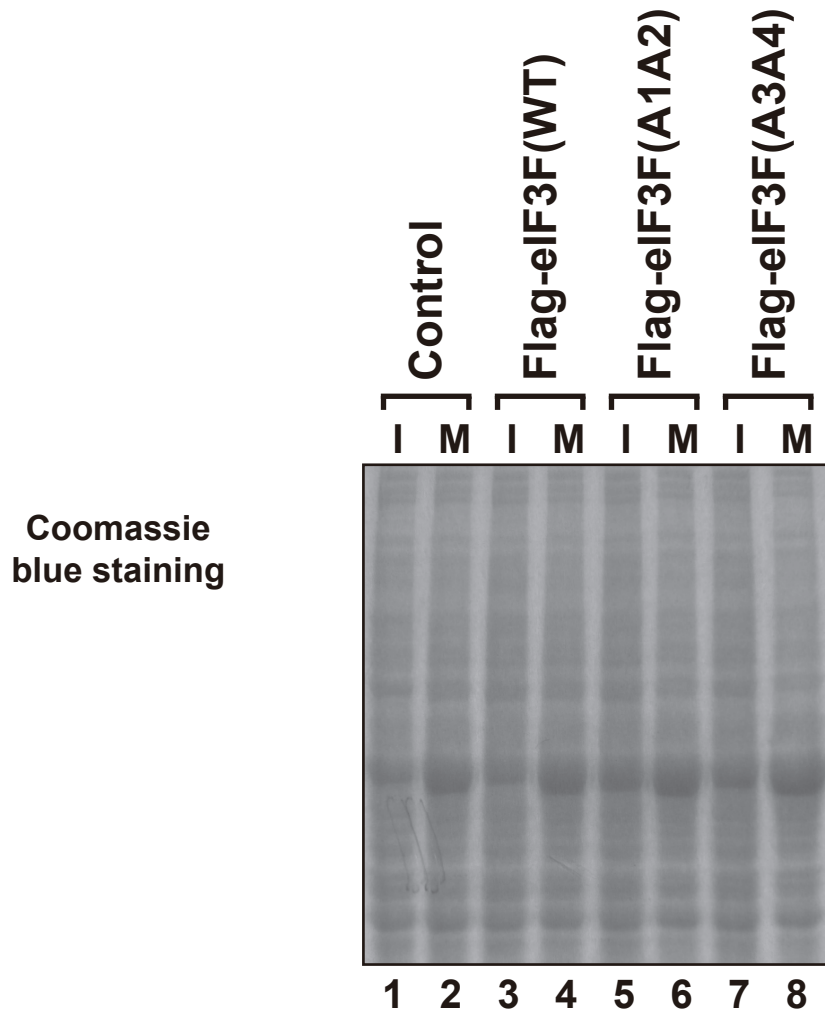


Supplementary Figure 3

A

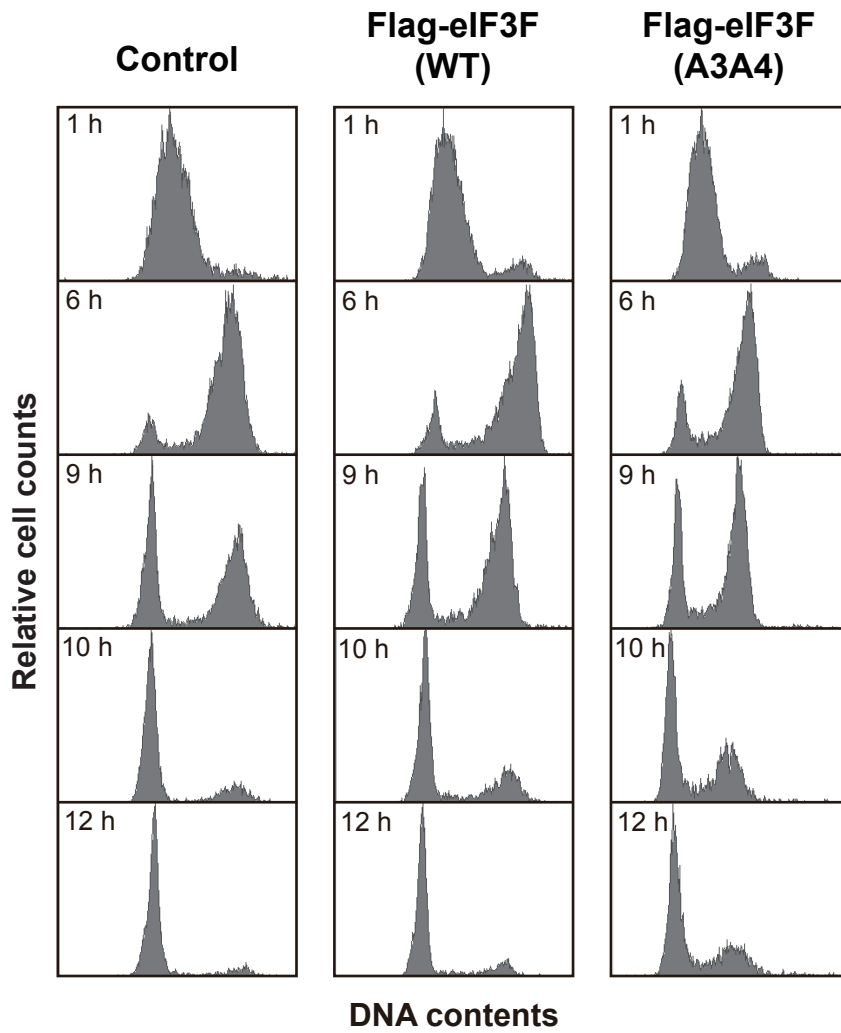


B

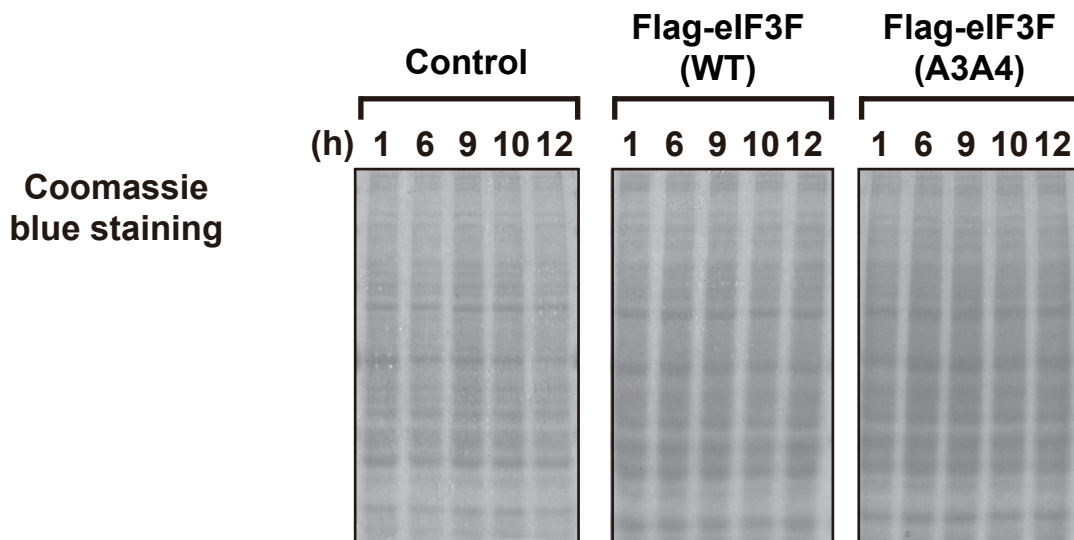


Supplementary Figure 4

A

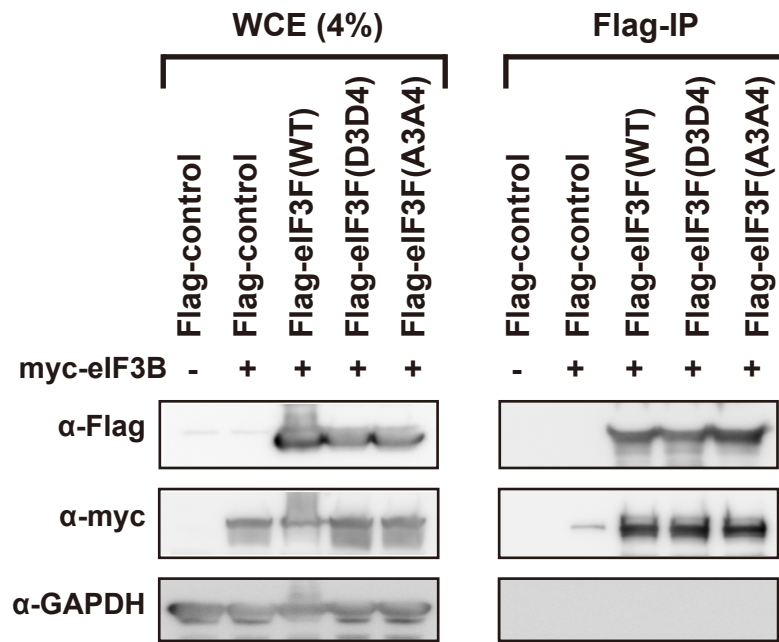


B

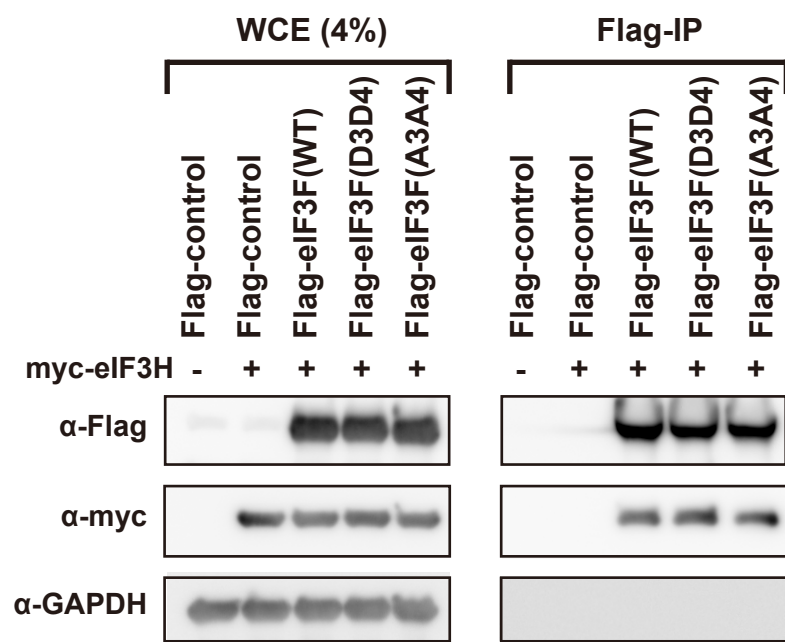


Supplementary Figure 5

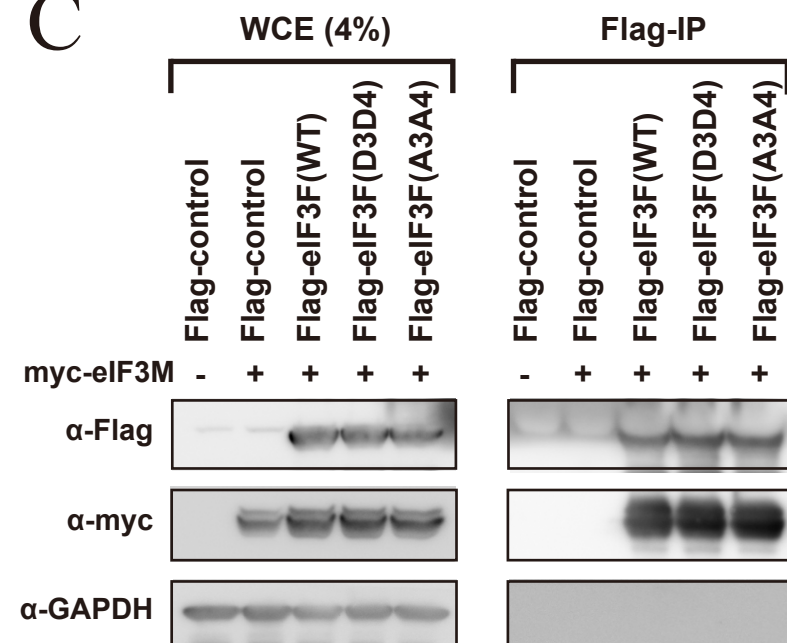
A



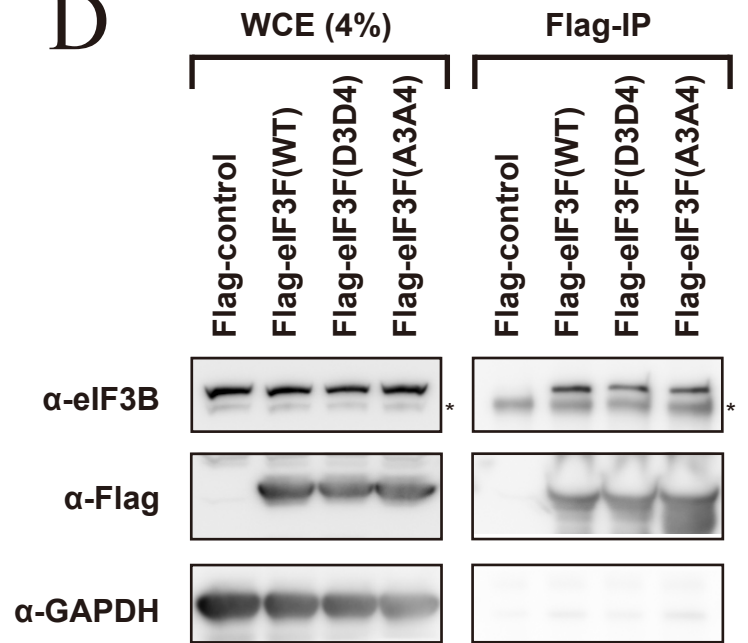
B



C

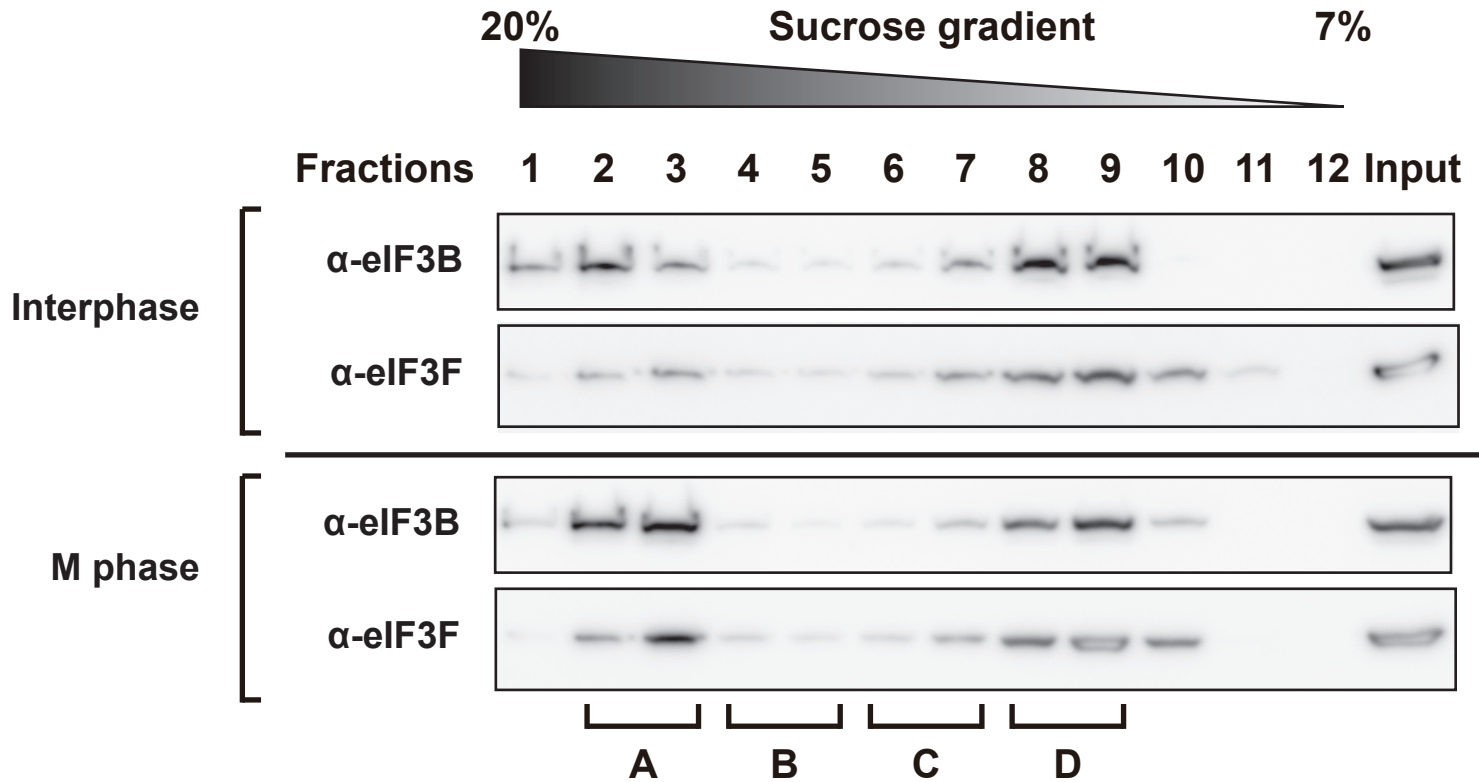


D

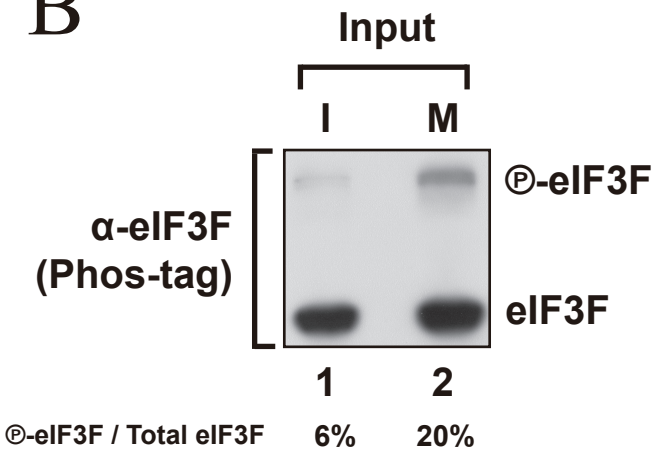


Supplementary Figure 6

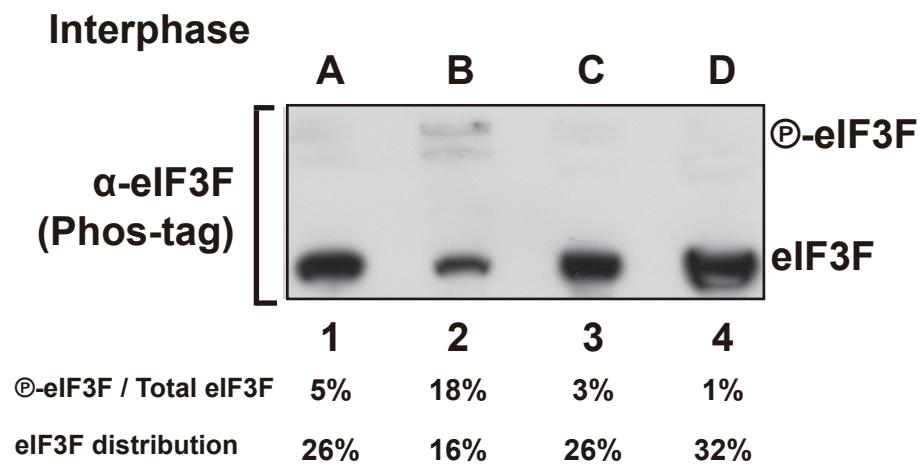
A



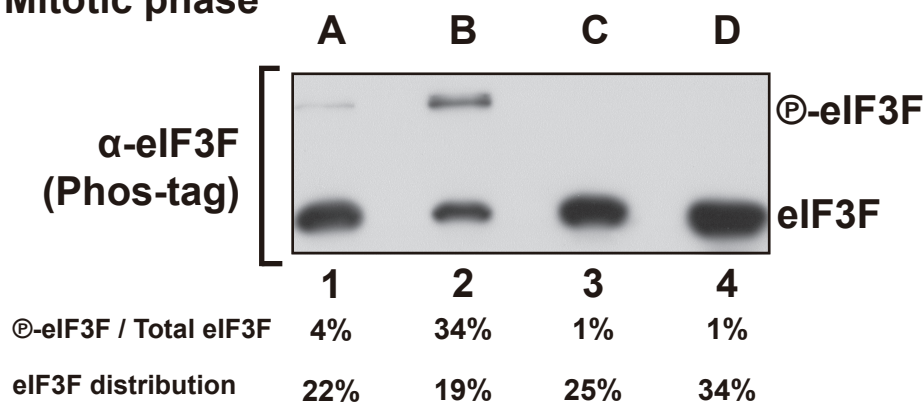
B



C



Mitotic phase



Supplementary Figure 7

A

eIF3F sequence

	Thr119		
Human	NEGAARVIG T LLGTVD--KHSVEVTNCF SVPHNESEDEVAVDMEFAKNMYELHKKVSPNE	167	
Mouse	NEGAARVIG T LLGTVD--KHSVEVTNCF SVPHNESEDEVAVDMEFAKNMYELHKKVSPNE	171	
Zebrafish	NEGASRVIG T LLGTAD--KHSVDVTNCF SVPHNESEDEVAVDMEFAKNMYELHKKVSPSE	83	
C. elegans	NTGQEKCMG T LMGYE--KGSIQVTNCF AIFNESNDLEIDDQFNQQMISALKKTS PNE	88	
S. pombe	SENNQRVIG T LLGTRSEDGREIEIKSCFAVPHNESSEQVEVEMEYHRAMYHLHLKANPRE	100	
	. . . : :***:***:*.***.* : : : * * . * *		
			Ser258
Human	KAYVSTLMGVPGRTMG-V-MFTPLTVKYAYYDTERIGVDLIMKT CFS PNRVIGLSSDLQQ	271	
Mouse	KAYVSTLMGVPGRTMG-V-MFTPLTVKYAYYDTERIGVDLIMKT CFS PNRVIGLSSDLQQ	275	
Zebrafish	RAYVSSQMGVPGKTVG-V-MFTPLSVKYIYYDTERIGVDLLQRT AS PGRTNGLTDLAQ	187	
C. elegans	RAYLRKAGIPGAAGPHCAIFNPLRVELAAFPGELVAMQLIEKAL DS RRREATLESGLEQ	206	
S. pombe	KTYVSSPVGITERLADSC-AFVPTPFTIRDEAVRSGLKAVAAPK ND PSRLASLFTDLQQ	215	
	::*: : * : * * . . . : . * * :.* *		

B

eIF4G sequence

	Ser1232	
Human	EDRDRGRDAVK-----REAAALPPV S PLKAALSEEELEK-KSKAIEEY LHLNDMKE	1262
Mouse	ED--RGRDPVK-----REATLPPV S PPKAALSVDEVEK-KSKAIEEY LHLNDMKE	1261
Zebrafish	DNRDRGSRDRDRSKETVKPMAAPALPP PA VPKPAMSEEDLDK-KSKSIEEY LHINDLKE	1247
C. elegans	SNTDKTDDELTEE---EKAVRAKIMNTV K SDLLEMSSGELSQKELVDSITDYVG-----	975
S. pombe	-----	1403