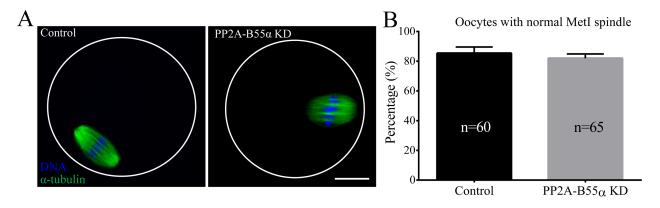
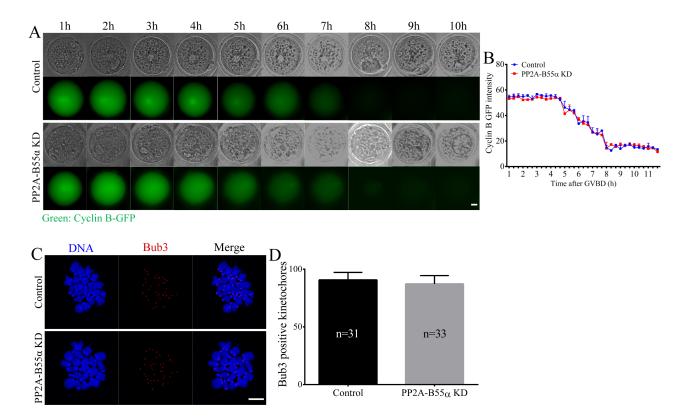
Protein phosphatase 2A regulatory subunit B55a functions in mouse oocyte maturation and early embryonic development

Supplementary Materials



Supplementary Figure 1: PP2A-B55 α knock down does not affect spindle formation at the MI stage. (A) Oocytes at the MI stage were stained with an anti- α -tubulin antibody. (B) Percentage of oocytes with a normal spindle at the MI stage. Blue, DNA; green, α -tubulin. Bar = 20 μ m. The data are the mean \pm SD of three independent experiments.



Supplementary Figure 2: SAC activity in PP2A-B55 α knock down oocytes. (A) Time-lapse live-cell imaging of PP2A-B55 α -KD oocytes expressing cyclin B-GFP mRNA. Time points indicate the culture duration. GFP levels were measured every 15 min. (B) Quantification of cyclin B-GFP levels. Green: cyclin B-GFP. Bar = 20 μ m. (C) Oocytes at the MI stage were stained with a Bub3 antibody. (D) Percentage of Bub3 positive kinetochores in the MI stage oocyte. Blue, DNA; red, Bub3. Bar = 20 μ m. The data are the mean \pm SD of three independent experiments.

Supplementary Table 1: Primers used in this study

Gene	Primer sequence	Use of the primer
ΡΡ2Α-Β55α	F: 5'GAATTAATACGACTCACTATAGGGAGAAGTGCCCGTATTTAGGCC3'	dsRNA
	R: 5'GAATTAATACGACTCACTATAGGGAGAACTGTGCCTGTCAGACCC3'	
	F: 5'AGAGGAAGATGGAAGATATAGAG3'	qPCR
	R: 5'GAGTTGATGTGATAAGTGTGG3'	
Ppia	F: 5'CGCGTCTCCTTCGAGCTGTT3'	qPCR
	R: 5'TGTAAAGTCACCACCCTGGC3'	

F: forward; R: reverse; dsRNA: double-stranded RNA; qPCR: quantitative PCR.