

Table S6. Selected biological processes, molecular functions, and cellular components enriched in DE genes (adjP < 0.1) in CC of Ex COCs after 12 h treatment with ffEVs. GO – Gene Ontology term; P – adjusted *p*-value.

GO	Description	Term ID	FDR	Engaged Genes
Biological processes	female meiotic nuclear division	GO:0007143	0.024	<i>TOP2A, TTK</i>
	regulation of mitotic cell cycle	GO:0007346	0.024	<i>GPNMB, TTK, CENPF, CDKN1C</i>
	meiotic chromosome separation	GO:0051307	0.024	<i>TOP2A, TTK</i>
	negative regulation of mitotic cell cycle	GO:0045930	0.024	<i>GPNMB, TTK, CDKN1C</i>
	regulation of mitotic cell cycle phase transition	GO:1901990	0.034	<i>GPNMB, TTK, CENPF</i>
	phosphorylation	GO:0016310	0.034	<i>GPNMB, FZD5, DAB2, ITPKA, TTK, CDKN1C</i>
	regulation of cell cycle phase transition	GO:1901987	0.042	<i>GPNMB, TTK, CENPF</i>
	cell cycle	GO:0007049	0.042	<i>GPNMB, TOP2A, TTK, CENPF, CDKN1C</i>
	chromosome segregation	GO:0007059	0.042	<i>TOP2A, TTK, CENPF</i>
	mitotic cell cycle	GO:0000278	0.042	<i>GPNMB, TTK, CENPF, CDKN1C</i>
Molecular functions	protein c-terminus binding	GO:0008022	0.005	<i>TOP2A, DAB2, CENPF</i>
Cellular components	chromosome, centromeric region	GO:0000775	0.006	<i>TOP2A, TTK, CENPF</i>
	condensed chromosome	GO:0000793	0.006	<i>TOP2A, TTK, CENPF</i>
	chromosomal region	GO:0098687	0.007	<i>TOP2A, TTK, CENPF</i>
	kinetochore	GO:0000776	0.025	<i>TTK, CENPF</i>
	condensed chromosome, centromeric region	GO:0000779	0.025	<i>TTK, CENPF</i>
	outer kinetochore	GO:0000940	0.048	<i>CENPF</i>
	ciliary transition fiber	GO:0097539	0.048	<i>CENPF</i>