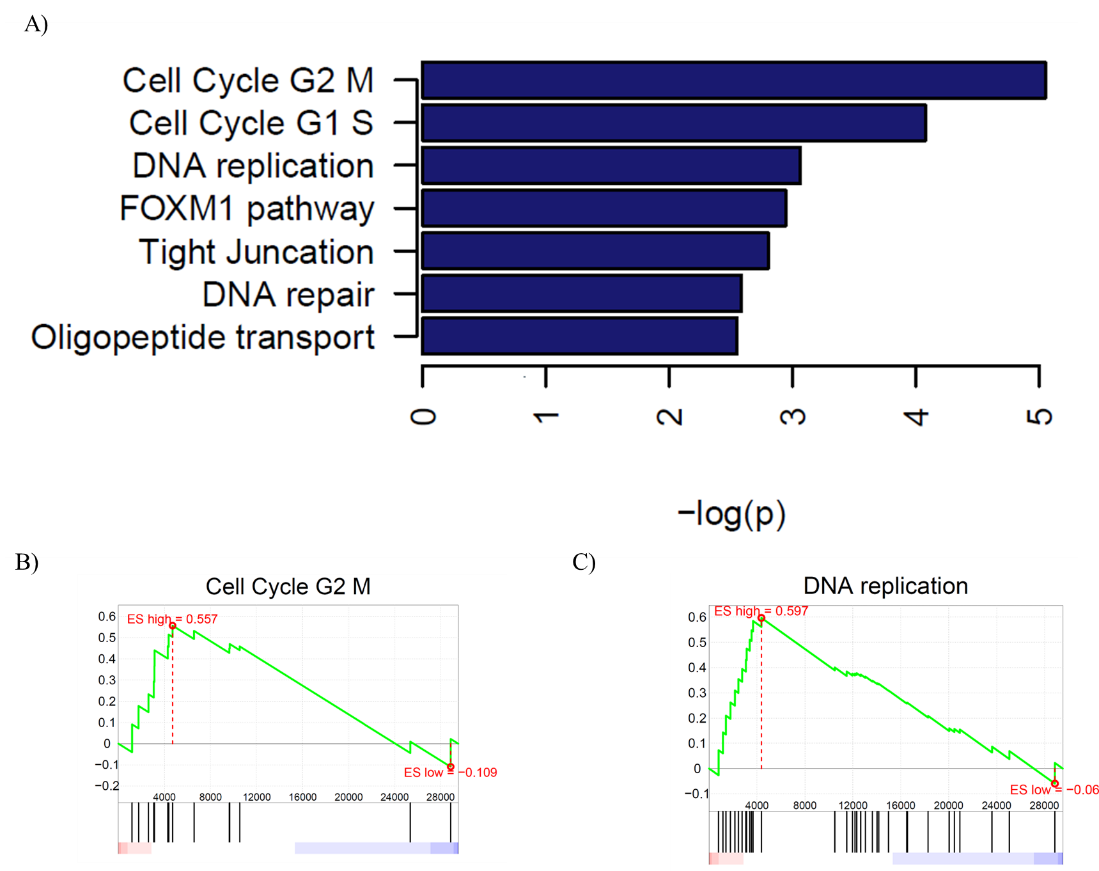
A screenshot of a computer

Description automatically generated with medium confidence

**Supplementary Figure S1. OCCC with concurrent endometriosis differentially clusters from benign endometrioma. A)** Uniform manifold approximation and projection (UMAP) plot of malignant OCCC with concurrent endometriosis (blue triangles) clusters separately from benign endometrioma (red circles) using UMAP1 and UMAP2. **B)** Similarly, principal component (PC) analysis of malignant OCCC with concurrent endometriosis (blue circles) clusters separately from benign endometrioma samples (red circles), using PC1 and PC2.



**Supplementary Figure 2. Cell cycle and DNA replication/repair pathways are enriched in upregulated genes from OCCC with concurrent endometriosis**. **A)** Waterfall plot of significantly upregulated pathways in OCCC with concurrent endometriosis. Gene set enrichment plots for **B)** REACTOME\_CYCLIN\_A\_B1\_ASSOCIATED\_EVENTS\_DURING\_G2\_M\_TRANSITION and **C)** REACTOME\_E2F\_MEDIATED\_REGULATION\_OF\_DNA\_REPLICATION.



**Supplementary Figure S3. Expression of hsa-miR-10a-5p across OCCC cell lines.** A plot of read counts from Nagaraja *et al*., 2010. RQ, the relative quantity of hsa-miR-10a-5p normalized read counts in each cell line normalized to primary cultures of normal ovarian surface epithelium (NOSE). Error bars represent ± SEM. Each cell line *n* = 1; NOSE, *n* = 4.

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**Supplementary Figure S4. MiR-10a-5p is significantly overexpressed in SMOV-2 and KK cells transfected with a miR-10a-5p mimic.** RQ, the relative quantity of hsa-miR-10a-5p to U6 snRNA, normalized to each negative control transfected line. Cells transfected with mature miRNA mimics for miR-10a (SMOV2-10a and KK-10a) were compared to cells transfected with negative control #1 (SMOV2-10actl and KK-10actl). Error bars represent ± SEM. KK transfection, *n*=6; SMOV2-10a, *n*=5. \*\*p<0.05, using Mann-Whitney two-tailed test.