

Table SI. Websites for bioinformatics analysis.

Website	URL
GEO	https://www.ncbi.nlm.nih.gov/geo/browse/
Kaplan-Meier plotter	https://kmplot.com/analysis/
GeneCards	https://www.genecards.org/
MSigDB	https://www.gsea-msigdb.org/gsea/msigdb/index.jsp
STRING	https://cn.string-db.org/
KEGG	https://www.genome.jp/kegg/
Enrichr	https://maayanlab.cloud/Enrichr/
GEPIA2	http://gepia2.cancer-pku.cn/#index
DREAM	http://bio-big-data.cn:8080/DREAM/
R	http://www.R-project.org/
WGCNA (1.70-3)	https://horvath.genetics.ucla.edu/html/CoexpressionNetwork/Rpackages/WGCNA/Tutorials/
edgeR (3.36.0)	https://bioconductor.org/packages/release/bioc/html/edgeR.html

Table SII. Sequences of the siRNA.

siRNA	Sequences	
	sense (5'-3')	antisense (5'-3')
siPPARG	GGUUGCAGAUUACAAGUAUTT	AUACUUGUAAUCUGCAACCTT
negative control	UUCUCCGAACGUGUCACGUTT	ACGUGACACGUUCGGAGAATT

si, short interfering.

Table SIII. Sequences of the shRNA.

shRNA	Sequence
PPARG-RNAi	ccggtcCGTGGATCTCTCCGTAATGctcgagCATTACGGAGAGATCCACGgatttttg
Negative control	TTCTCCGAACGTGTCACGT

sh, short hairpin.

Table SIV. EOC patients.

Patients	Number of cases
EOC patients	16
FIGO stage	
I & II	6
III & IV	10
Metastasis	
-	2
+	14

EOC, epithelial ovarian cancer; FIGO, International Federation of Gynecology and Obstetrics.