

Supplementary Table SV Enriched functions within DEGs unique to the AMA GV/AMA MII oocyte comparison.

Function	Gene count	FDR ^a	Gene names
DNA replication	38	4.22E-02	ABCB7, ATF1, CACYBP, CAMK2G, CAMK4, CCNA2, CCNE2, CDKI, CDKN1A, CDT1, DUT, E4F1, ESRRA, HRAS, HUS1, HUWE1, ID1, IGF1R, ING4, LHX6, LIG3, NAP1L1, NCOA4, NT5M, ORC2, PCNA, POLD2, POLM, RBL2, RPA3, SDC2, TFAM, TIPIN, TP53, TRRAP, UBA5, UPF1, VPRBP

AMA, advanced maternal age; DEG, differentially expressed gene; GV, germinal vesicle; MII, metaphase II.

DEG enrichment analysis was conducted using IPA.

^aBenjamini-Hochberg multiple testing correction *P*-value (FDR).