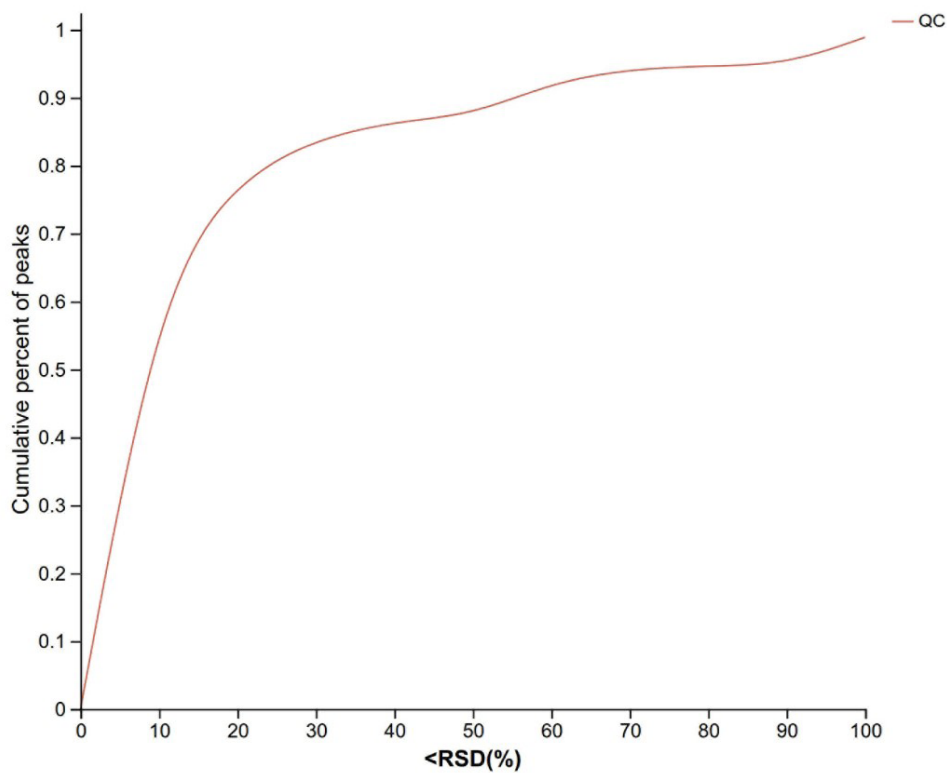


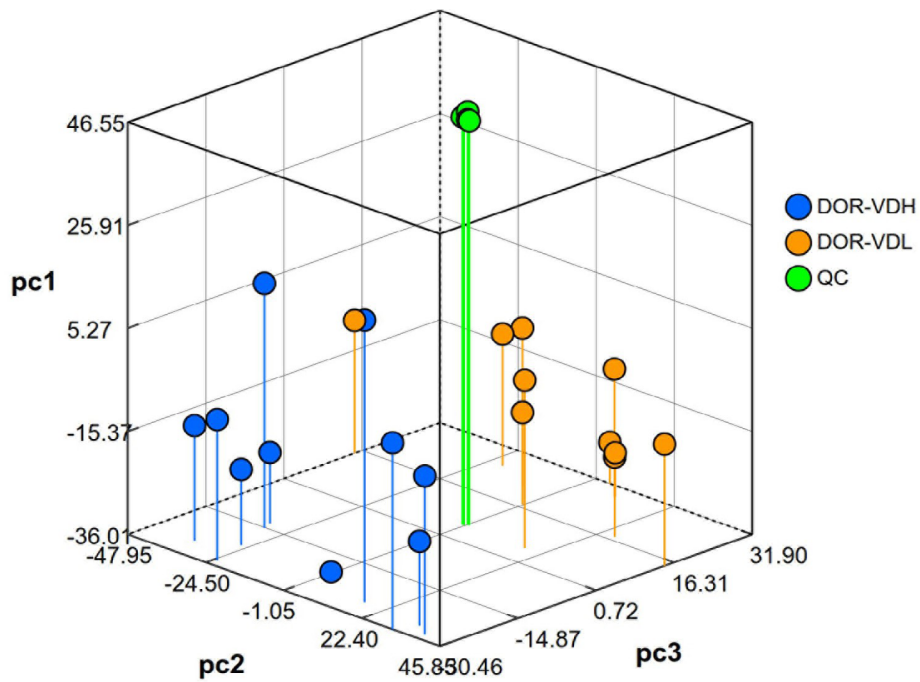
ORIGINAL RESEARCH ARTICLE

Correlation between follicular fluid 25-hydroxyvitamin D levels and IVF embryo quality in women with diminished ovarian reserve: A metabolomic study

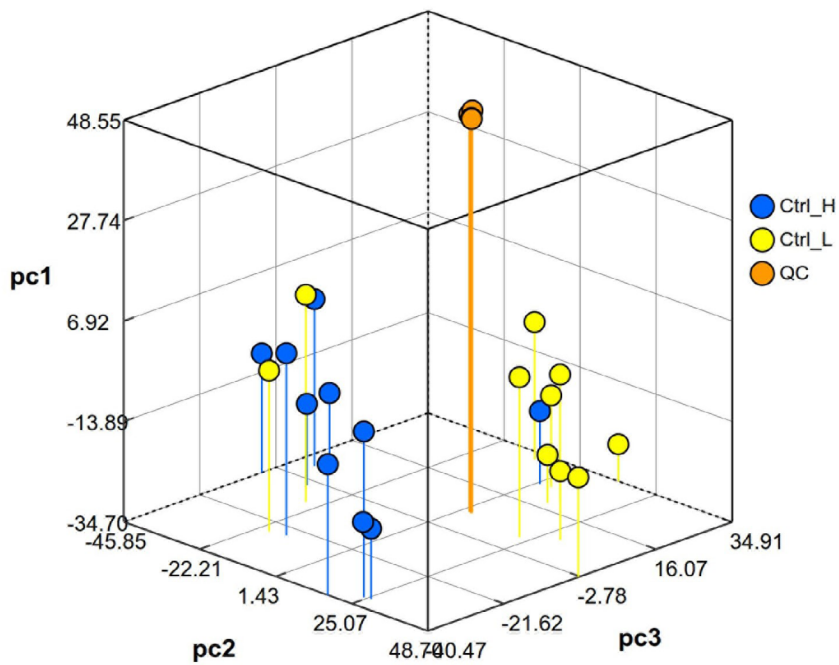
Supplementary File



**Figure S1.** Relative standard deviation (RSD) distribution of quality control (QC) samples. After data preprocessing, an RSD < 0.3% and a cumulative peak proportion > 70% across the entire dataset indicate acceptable data quality.



**Figure S2.** Three-dimensional principal component analysis of the DOR subgroups  
Abbreviations: DOR: Diminished ovarian reserve; QC: Quality control; VDH: Vitamin D non-deficient; VDL: Vitamin D deficient.



**Figure S3.** Three-dimensional principal component analysis of the control subgroups  
Abbreviations: QC: Quality control; VDH: Vitamin D non-deficient; VDL: Vitamin D deficient.