

Figure S1. Spearman correlation matrix representing the relationships of each essential trace elements between biological matrices.

Blue represents a positive correlation, while red represents a negative correlation. Color intensity is proportional to the correlation strength. Strikethrough values represent insignificant/negligible associations ($p > 0.05$). FF, follicular fluid; P, plasma; U, urine.

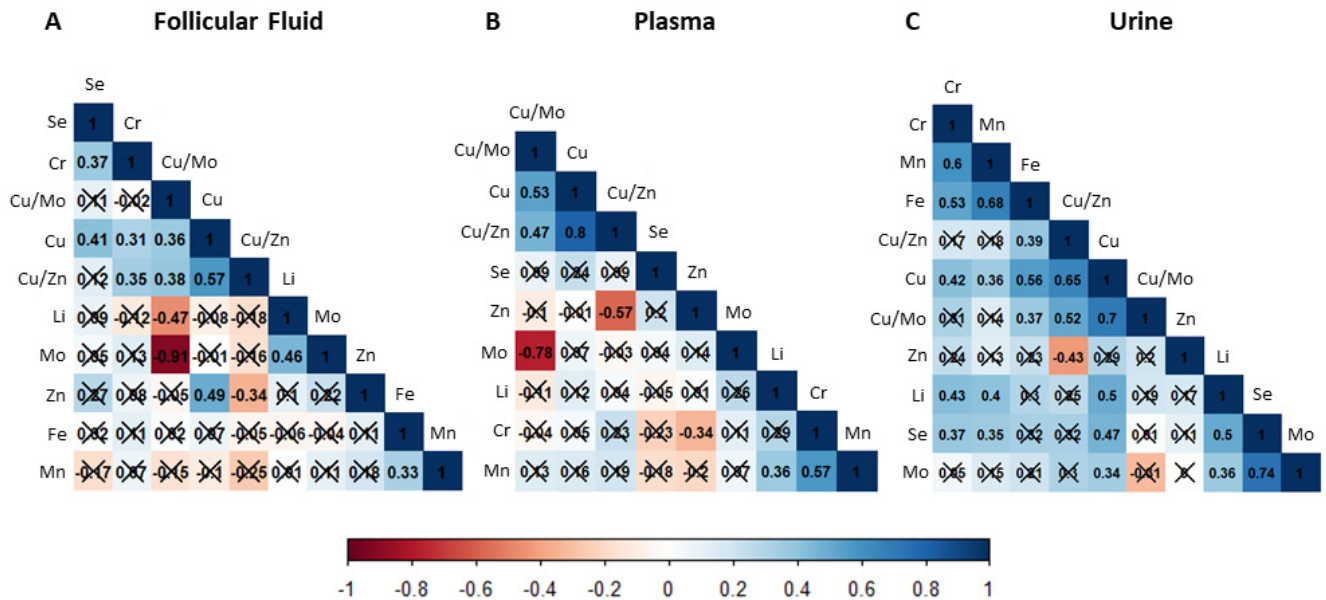


Figure S2. Spearman correlation matrix representing the relationships between the essential trace elements within each biological matrix.

Blue represents a positive correlation, while red represents a negative correlation. Color intensity is proportional to the correlation strength. Strikethrough values represent insignificant/negligible associations ($p > 0.05$). Cr, chromium; Cu, copper; Fe, iron; Li, lithium; Mn, manganese; Mo, molybdenum; Se, selenium; Zn, zinc.