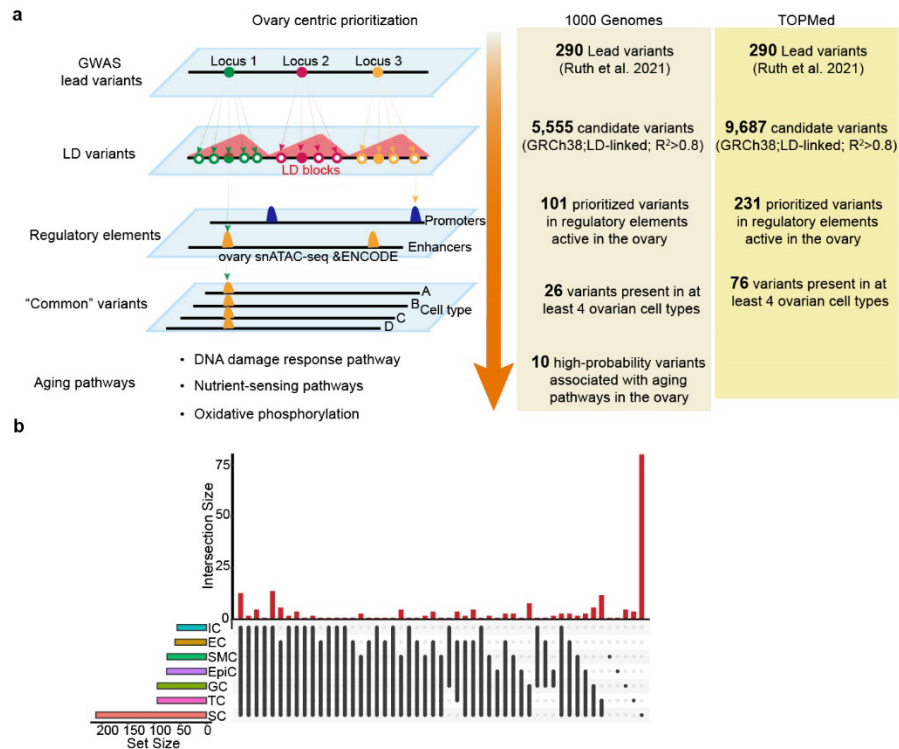


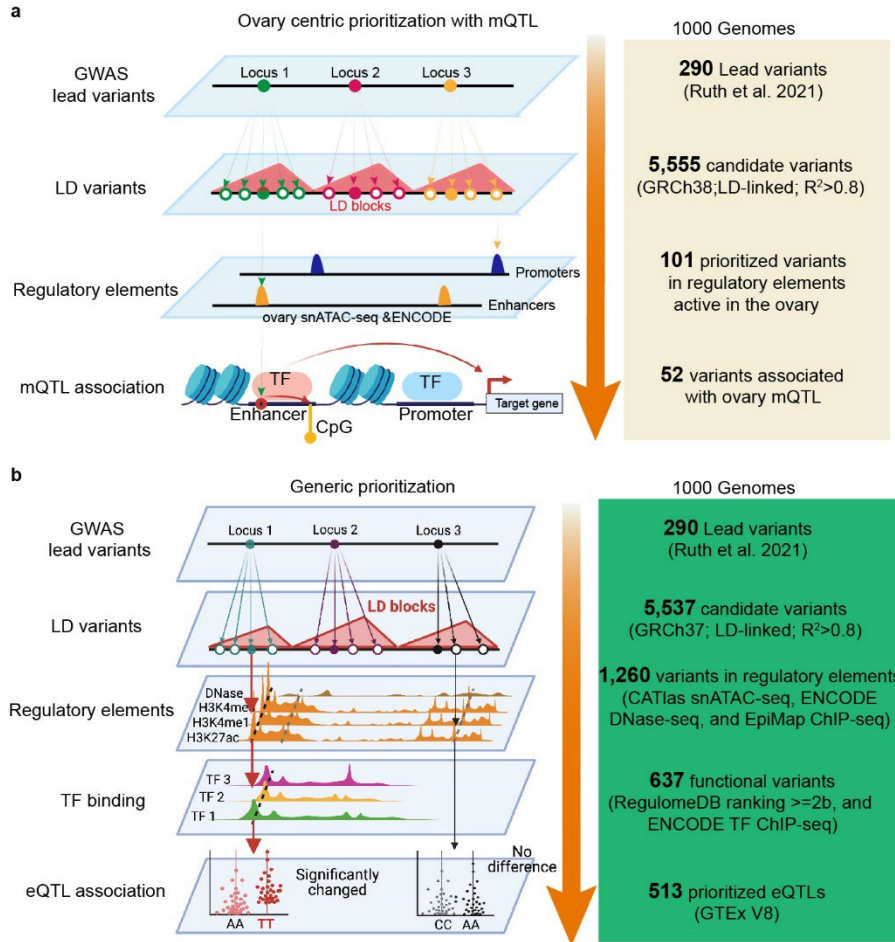
Molecular and genetic insights into human ovarian aging from single-nuclei multi-omics analyses

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Supplementary Fig.1: Schematic of the strategy to nominate functional variants

a, Schematic of the ovary centric strategy to prioritize functional variants. **b**, UpSet plot showing the intersection size between sets of ANM-associated variants (TOPMed) that overlap with transcriptional regulatory elements found in each cell type. The bar plot on the left shows the set size of variants for each cell type, and the bar plot on the top shows the number of overlapping variants shared by two or more sets, or the number of unique variants in one set.



Supplementary Fig.2: Schematic of ovary-centric and generic approaches to nominating functional variants

a, Schematic of the ovary-centric approach to prioritize ANM-associated functional variants overlapping with human ovary mQTL. **b**, Schematic of the generic approach to prioritize ANM-associated functional variants.