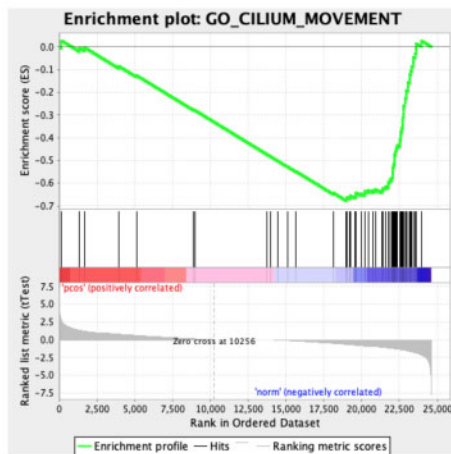
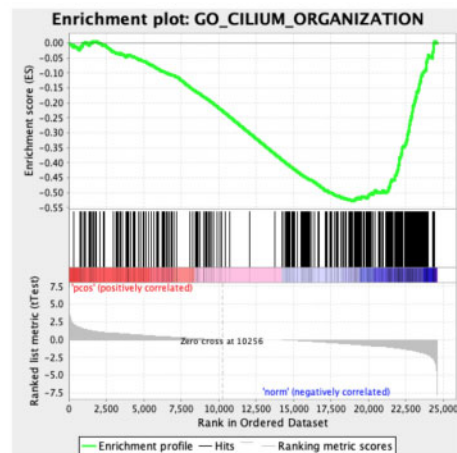


A

GSEA post-hoc pathway analysis: pathways with FWER p-value <0.05

Gene Set	Size	ES	NES	NOM p-val	FDR 1-val	FWER p-val
INTRACILIARY TRANSPORT PARTICLE	27	-0.775	-2.168	0	0	0
MHC PROTEIN COMPLEX	21	-0.846	-2.193	0	0	0
STRUCTURAL CONSTITUENT OF RIBOSOME	157	-0.601	-2.218	0	0	0
CILIUM MOVEMENT	70	-0.678	-2.235	0	0	0
MOTILE CILIUM	166	-0.602	-2.241	0	0	0
CILIARY PLASM	115	-0.642	-2.299	0	0	0
MHC CLASS II PROTEIN COMPLEX	16	-0.985	-2.385	0	0	0
AXONEME ASSEMBLY	58	-0.765	-2.464	0	0	0
AXONEMAL DYNEIN COMPLEX ASSEMBLY	29	-0.772	-2.12	0	0	0.003
RIBOSOMAL SUBUNIT	181	-0.568	-2.123	0	0	0.003
CYTOSOLIC RIBOSOME	100	-0.604	-2.097	0	0	0.007
CILIUM ORGANIZATION	364	-0.528	-2.098	0	0	0.007
MICROTUBULE BUNDLE FORMATION	90	-0.614	-2.088	0	0.001	0.009
CYTOSOLIC SMALL RIBOSOMAL SUBUNIT	42	-0.695	-2.075	0	0.001	0.012
MOTILE CILIUM ASSEMBLY	22	-0.763	-2.025	0	0.002	0.038
INTRACILIARY TRANSPORT	53	-0.638	-2.01	0	0.002	0.045

B**C**

Supplementary Figure S2. (A) Pathways identified by gene set enrichment analysis (GSEA) as being significantly dysregulated by PCOS-like conditions with a family-wise-error rate (FWER) *P*-value of less than 0.05. (B and C) Representative GSEA plots of two chosen pathways impacting cilia function and assembly.