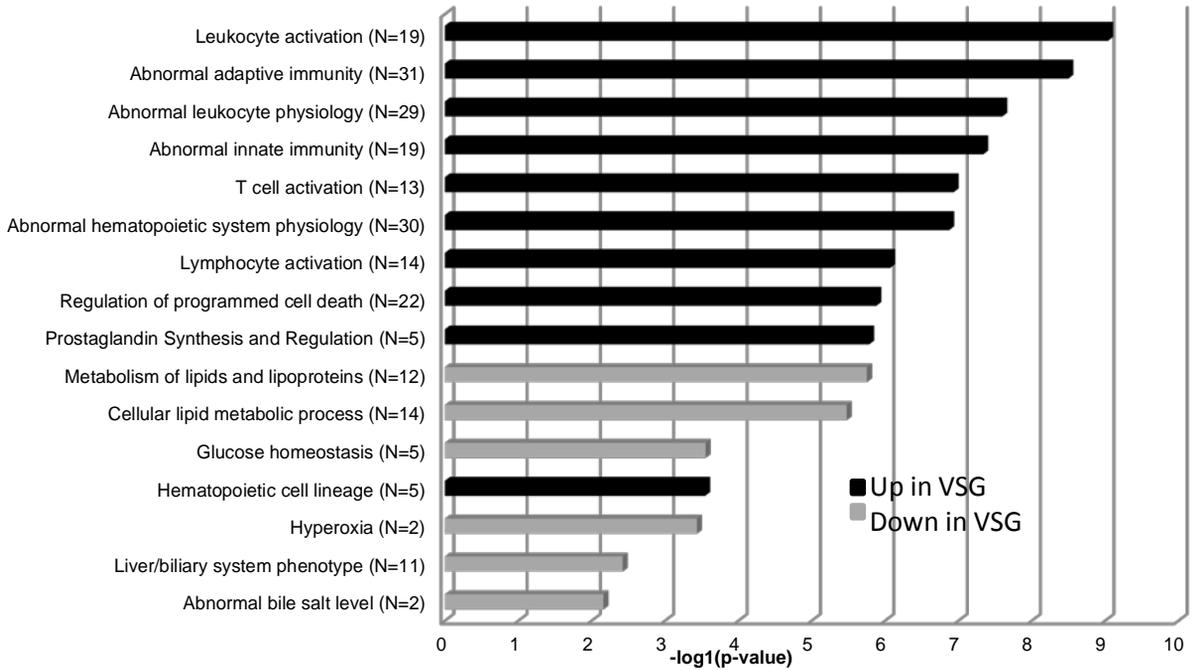


Figure S1

A

Genes Up/Down Between Female VSG vs Sham



B

Effect	Enriched Ontology	Gene List
Up	Leukocyte activation (N=19)	FCER1G, ANXA3, IL1B, IL7, TLR1, FCGR3A, GADD45G, IGFBP2, BCL2A1, FAS, PLSR1, SOX4, CD300A, PRKCB, AIF1, EGR1, PTPRC, NHEJ1, CD74
Up	Abnormal adaptive immunity (N=31)	FCER1G, GZMA, SLPI, IL1B, PTGER3, IL7, TLR1, GADD45G, CYBB, PLAC8, BCL2A1, TLR8, FAS, IGJ, ABCG1, NEDD9, CD300A, PLA2G4A, EMR1, RAC2, PRKCB, ITGA6, MST1, FADS2, CSF1R, EGR1, PTPRC, NHEJ1, LY86, CD74, GBP2
Up	Abnormal leukocyte physiology (N=29)	FCER1G, GZMA, SLPI, IL1B, IL7, TLR1, GADD45G, CYBB, PLAC8, BCL2A1, TLR8, FAS, IGJ, ABCG1, NEDD9, CD300A, PLA2G4A, EMR1, RAC2, PRKCB, ITGA6, MST1, FADS2, EGR1, PTPRC, NHEJ1, LY86, CD74, GBP2
Up	Abnormal innate immunity (N=19)	FCER1G, SLPI, IL1B, TLR1, GADD45G, CYBB, PLAC8, BCL2A1, FAS, IGJ, ABCG1, PLA2G4A, EMR1, RAC2, MST1, FADS2, EGR1, PTPRC, GBP2
Up	T cell activation (N=13)	IL1B, IL7, FCGR3A, GADD45G, IGFBP2, BCL2A1, FAS, SOX4, AIF1, EGR1, PTPRC, NHEJ1, CD74
Up	Abnormal hematopoietic system physiology (N=30)	FCER1G, GZMA, SLPI, IL1B, PTGS1, IL7, TLR1, GADD45G, CYBB, PLAC8, BCL2A1, TLR8, FAS, IGJ, ABCG1, NEDD9, CD300A, PLA2G4A, EMR1, RAC2, PRKCB, ITGA6, MST1, FADS2, EGR1, PTPRC, NHEJ1, LY86, CD74, GBP2
Up	Lymphocyte activation (N=14)	IL1B, IL7, FCGR3A, GADD45G, IGFBP2, BCL2A1, FAS, SOX4, PRKCB, AIF1, EGR1, PTPRC, NHEJ1, CD74
Up	Regulation of programmed cell death (N=22)	FCER1G, GZMA, DAP, IL1B, HSPB1, IL7, FRZB, PDK4, PLAC8, BCL2A1, RTN4, FAS, PLSR1, SOX4, PLA2G4A, ITGA6, AIF1, BEX2, EGR1, PTPRC, PPP2R2B, CD74
Up	Prostaglandin Synthesis and Regulation (N=5)	HSD11B1, ANXA3, PTGS1, PTGER3, PLA2G4A
Down	Metabolism of lipids and lipoproteins (N=12)	HMGCGR, FASN, IDI1, ABCG5, PTGIS, PNPLA3, SQLE, CYP7A1, MVD, PIK3R1, ELOVL6, FADS3
Down	Cellular lipid metabolic process (N=14)	ACSM2A, HMGCGR, FASN, IDI1, HAO2, PTGIS, PNPLA3, CYP7A1, MVD, PIK3R1, PCSK9, ELOVL6, GATA6, FADS3
Down	Glucose homeostasis (N=5)	ACSM2A, HMGCGR, CYP7A1, GCK, SYBU
Up	Hematopoietic cell lineage (N=5)	IL1B, IL7, ITGA6, CSF1R, TFRC
Down	Hyperoxia (N=2)	HBB, HBA1
Down	Liver/biliary system phenotype (N=11)	ABCG5, MFSD2A, CYP7A1, HBB, PIK3R1, CCRN4L, GCK, PCSK9, BCKDK, GATA6, BCL6
Down	Abnormal bile salt level (N=2)	CYP7A1, PCSK9