Gene Set 572: REACTOME SIGNALING BY NODAL **Gene Set Null Distribution Heat Map for Genes in Gene Set** Malignant Benign 2.0 Class Gene Set Null Density FOXO3 Observed Gene Set ES value PCSK6 0.5 SMAD2 1.5 SMAD4 Running Enrichment Score (RES) ACVR1B 0.0 **ACVR2B** TDGF1 0. P(ES) **ACVR2A** Zero crossing at 8459 Peak at 1126 CER1 -0.5 SMAD3 0.5 LEFTY1 LEFTY2 -1.0 FOXH1 DRAP1 0.0 **FURIN** Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" NODAL GSM721625 GSM721593 GSM721594 GSM721595 GSM721596 GSM721598 GSM721619 GSM721620 GSM721623 GSM721597 GSM721621 GSM721622 GSM721624 5000 10000 15000 20000 25000 -1.0-0.5 0.0 0.5 1.0 Gene List Index Number of genes: 25691 (in list), 16 (in gene set) ES = 0.787 NES = 1.61 Nom. p-val= 0.00405 FWER= 0.937 FDR= 1