Gene Set 1998: LAMB CCND1 TARGETS **Gene Set Null Distribution Heat Map for Genes in Gene Set Benign** Malignant Class Gene Set Null Density SMAD3 Observed Gene Set ES value RPS6KA1  $^{\circ}$ EVX1 0.0 HSPG2 HSPH1 Running Enrichment Score (RES) LOR **LTBR** 2 KIF22 -0.5 P(ES) **AXIN1** Zero crossing at 13352 LGALS3BP Peak at 18750 HEXA TGFB1 **GNAI2** -1.0 PPID **ASNS** HSPA1A HSD17B10 0 RAB31 Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" EFNA1 GSM721588 GSM721590 GSM721616 GSM721618 GSM721589 GSM721591 GSM721592 GSM721611 GSM721612 GSM721613 GSM721617 GSM72161 GSM72161 5000 10000 15000 20000 25000 -0.50.0 0.5 Gene List Index Number of genes: 25691 (in list), 19 (in gene set) ES = -0.557 NES = -1.9 Nom. p-val= 0.022 FWER= 0.334 FDR= 0.347