Gene Set 2220 : YAO HOXA10 TARGETS VIA PROGESTERONE DI **Gene Set Null Distribution Heat Map for Genes in Gene Set** Malignant Benign Class 2.5 Gene Set Null Density COL15A1 Observed Gene Set ES value DSG2 0.0 TGFBR3 2.0 HOXA11 Running Enrichment Score (RES) **FST** HOXA<sub>10</sub> 1.5 -0.5 TP53INP2 CDKN2B P(ES) Zero crossing at 8459 PCP4 Peak at 18996 1.0 **ALPL** ACTA1 YWHAG 0.5 QSOX1 FN1 **PIGR** 0.0 ALDH1A2 Pos. ES: "Benign" Neg. ES "Malignant" "Benign" "Malignant" GJA1 GSM721625 GSM721593 GSM721594 GSM721595 GSM721596 GSM721598 GSM721619 GSM721620 GSM721623 GSM721624 GSM721621 GSM721622 GSM721597 5000 10000 15000 20000 25000 -0.5 0.0 0.5 Gene List Index Number of genes: 25691 (in list), 17 (in gene set) ES = -0.633 NES = -1.8 Nom. p-val= 0.0101 FWER= 0.601 FDR= 1