Gene Set 2436: MACLACHLAN BRCA1 TARGETS UP **Gene Set Null Distribution Heat Map for Genes in Gene Set Benign** Malignant Class 2.5 Gene Set Null Density **IGFBP4** Observed Gene Set ES value XRCC6 CDKN1A 0.0 CDC34 2.0 LFNG Running Enrichment Score (RES) KRT2 GADD45A -0.5 1.5 **GAPDH RHOA** P(ES) TOP1 Zero crossing at 13352 Peak at 20313 DDIT3 1.0 **PCNA** TIMP1 **IGFBP2** 0.5 CDK4 RAC1 ARHGDIA CDK16 0.0 MET Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" TOP2A GSM721618 GSM721588 GSM721589 GSM721590 GSM721591 GSM721592 GSM721611 GSM721612 GSM721613 GSM721617 GSM72161 GSM72161 GSM72161 5000 10000 15000 20000 25000 -0.50.0 0.5 Gene List Index Number of genes: 25691 (in list), 20 (in gene set) ES = -0.688 NES = -1.98 Nom. p-val= 0 FWER= 0.146 FDR= 0.296