e Set 1036: REACTOME APC CDC20 MEDIATED DEGRADATION OF **Gene Set Null Distribution Heat Map for Genes in Gene Set** Benign Malignant Class 3.0 BUB3 Gene Set Null Density 0.5 Observed Gene Set ES value **ANAPC4** CDC26 2.5 CDC23 UBE2D1 Running Enrichment Score (RES) ANAPC5 0.0 2.0 BUB1B RPS27A ANAPC11 P(ES) Zero crossing at 8459 ANAPC10 Peak at 3343 UBA52 ANAPC1 1.0 UBE2E1 CDC16 ANAPC2 0.5 CDC27 CDC20 MAD2L1 0.0 UBE2C Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" NEK2 GSM721593 GSM721595 GSM721596 GSM721598 GSM721619 GSM721620 GSM721623 GSM721624 GSM721625 GSM721594 GSM721621 GSM721622 GSM721597 5000 10000 15000 20000 25000 -0.5 0.0 0.5 Gene List Index Number of genes: 25691 (in list), 20 (in gene set) ES = 0.602 NES = 1.75 Nom. p-val= 0.00388 FWER= 0.699 FDR= 1