DLYTIC\_ACTIVITY\_OF\_APC\_C\_REQUIRED\_FOR\_THE\_ONSET\_OF\_ANA **Gene Set Null Distribution Heat Map for Genes in Gene Set** Malignant Benign 3.0 Class Gene Set Null Density BUB3 0.5 Observed Gene Set ES value **ANAPC4** 2.5 CDC26 CDC23 Running Enrichment Score (RES) 2.0 UBE2D1 0.0 **ANAPC5** BUB1B ANAPC11 P(ES) Zero crossing at 8459 ANAPC10 Peak at 3343 -0.5 **ANAPC1** 1.0 UBE2E1 CDC16 0.5 **ANAPC2** CDC27 -1.0 CDC20 0.0 MAD2L1 Neg. ES "Malignant" Pos. ES: "Benign" "Malignant" "Benign" UBE2C GSM721593 GSM721595 GSM721596 GSM721598 GSM721619 GSM721620 GSM721623 GSM721625 GSM721594 GSM721621 GSM721622 GSM721624 GSM721597 5000 10000 15000 20000 25000 -0.5 0.0 0.5 Gene List Index ES Number of genes: 25691 (in list), 17 (in gene set) ES = 0.683 NES = 1.86 Nom. p-val= 0 FWER= 0.466 FDR= 1