Gene Set 3045: WU ALZHEIMER DISEASE DN **Gene Set Null Distribution Heat Map for Genes in Gene Set** Malignant Benign 2.5 Class Gene Set Null Density **NUPR1** Observed Gene Set ES value PDE1B 0.0 EIF2S3 2.0 MAF Running Enrichment Score (RES) RPL37A ANK3 1.5 CDK10 -0.5 CD2BP2 P(ES) Zero crossing at 8459 PLEC 1.0 Peak at 18652 PDE1A ELN FADS2 0.5 ADAMTS2 HSPA2 REM1 0.0 NR4A2 Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" IFITM1 GSM721625 GSM721593 GSM721595 GSM721596 GSM721598 GSM721619 GSM721620 GSM721623 GSM721594 GSM721621 GSM721622 GSM721624 GSM721597 5000 10000 15000 20000 25000 -0.5 0.5 0.0 Gene List Index Number of genes: 25691 (in list), 17 (in gene set) ES = -0.604 NES = -1.72 Nom. p-val= 0.00786 FWER= 0.751 FDR= 1