Gene Set 325: ST GRANULE CELL SURVIVAL PATHWAY **Gene Set Null Distribution Heat Map for Genes in Gene Set** Class Gene Set Null Density 2.5 **ASAH1** Observed Gene Set ES value **ITPKB** JUN 2.0 EPHB2 Running Enrichment Score (RES) FOS CASP3 1.5 APC P(ES) MAPK8 Zero crossing at 4737 Peak at 874 CXCL2 1.0 -0.5 CREB5 MAPK8IP2 0.5 DAG1 MAP2K7 MAPK1 0.0 MAPK10 Pos. ES: "A" Neg. ES "D" "A" "D" MAPK9 2000 -0.5 0.5 4000 6000 8000 10000 0.0 Gene List Index ES = 0.585 NES = 1.65 Nom. p-val= 0.0228 FWER= 0.709 FDR= 0.42 Number of genes: 9988 (in list), 16 (in gene set)