Gene Set 294: SA_PROGRAMMED_CELL_DEATH **Gene Set Null Distribution Heat Map for Genes in Gene Set Class** Gene Set Null Density 2.5 Observed Gene Set ES value BCL2 0.0 2.0 CASP8 Running Enrichment Score (RES) CES₁ 1.5 P(ES) **BAD** -0.5 Zero crossing at 4737 Peak at 9523 1.0 **BID** BCL10 0.5 -1.0 BAK1 0.0 Pos. ES: "A" CASP9 Neg. ES "D" "A" "D" 2000 -0.5 0.5 4000 6000 8000 10000 0.0 Gene List Index Number of genes: 9988 (in list), 8 (in gene set) ES = -0.477 NES = -1.23 Nom. p-val= 0.213 FWER= 0.998 FDR= 1