Gene Set 1843 : BENPORATH\_ES\_2 **Gene Set Null Distribution**  Gene Set Null Density 2.5 Observed Gene Set ES value 0.0 2.0 Running Enrichment Score (RES) 1.5 -0.5 P(ES) Zero crossing at 9579 Peak at 19259 1.0 0.5 -1.0 0.0 Neg. ES "1" Pos. ES: "0" 15000 -0.5 0.5 5000 10000 20000 0.0 Gene List Index

Number of genes: 20389 (in list), 37 (in gene set)

ES = -0.54 NES = -1.54 Nom. p-val= 0.0431 FWER= 0.995 FDR= 0.221

