Gene Set 3659 : GENTLES\_LEUKEMIC\_STEM\_CELL\_DN **Gene Set Null Distribution Heat Map for Genes in Gene Set** 2.0 Class **CSTA** Gene Set Null Density Observed Gene Set ES value **STAR** 0.0 CCL5 CPA3 RNASE2 1.5 Running Enrichment Score (RES) CD38 DDX53 -0.5 CLC 1.0 P(ES) CCNA<sub>1</sub> Zero crossing at 9579 IL36B Peak at 19512 MS4A3 ANLN 0.5 OLFM4 RNASE3 SKA3 MND1 -1.5 **ZWINT** 0.0 KIAA0101 DLGAP5 Pos. ES: "0" Neg. ES "1" 15000 0.5 5000 10000 20000 -0.5 0.0 Gene List Index Number of genes: 20389 (in list), 19 (in gene set) ES = -0.708 NES = -1.7 Nom. p-val= 0.0078 FWER= 0.752 FDR= 0.81