Gene Set 1506 : EGUCHI\_CELL\_CYCLE\_RB1\_TARGETS **Gene Set Null Distribution Heat Map for Genes in Gene Set** Class HMGB2 Gene Set Null Density KIF18A MCM6 Observed Gene Set ES value MCM3 MCM5 FEN1 Running Enrichment Score (RES) 1.0 CDCA8 MCM7 SMC2 SMC4 P(ES) BUB1 Zero crossing at 9579 NDC80 Peak at 17914 MCM4 0.5 KIF11 MCM2 CDC25C CENPE KIF20A -1.5 ECT2 CCNA2 CCNE2 0.0 NCAPG NEK2 Neg. ES "1" Pos. ES: "0" -2.0 "1" 15000 -0.5 5000 10000 20000 -1.00.0 1.0 0.5 Gene List Index Number of genes: 20389 (in list), 23 (in gene set) ES = -0.854 NES = -1.51 Nom. p-val= 0.0161 FWER= 0.999 FDR= 0.239