Gene Set 1401: MARKEY RB1 CHRONIC LOF DN **Gene Set Null Distribution** Gene Set Null Density Observed Gene Set ES value 0.0 $^{\circ}$ Running Enrichment Score (RES) P(ES) Zero crossing at 8459 -0.5 Peak at 21429 -1.0 0 Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" 5000 10000 15000 20000 25000 -0.6-0.2 0.0 0.2 0.4 0.6 Gene List Index Number of genes: 25691 (in list), 111 (in gene set) ES = -0.445 NES = -1.69 Nom. p-val= 0.0248 FWER= 0.822 FDR= 1

