Gene Set 3261: NGO_MALIGNANT_GLIOMA_1P_LOH **Gene Set Null Distribution Heat Map for Genes in Gene Set** Benign Malignant 3.0 Class Gene Set Null Density 0.5 TPM4 Observed Gene Set ES value 2.5 **RPSA** PGK1 HSP90AB1 Running Enrichment Score (RES) 2.0 **HNRNPK** 0.0 VIM PARK7 1.5 P(ES) Zero crossing at 9339 Peak at 5102 P4HB TPM3 -0.5 1.0 SEPT2 HSPA5 ENO₁ 0.5 ANXA2 **GAPDH** 0.0 ECHS1 Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" STMN1 -0.5 5000 10000 15000 20000 25000 0.0 0.5 Gene List Index

ES = 0.598 NES = 1.63 Nom. p-val= 0.015 FWER= 0.98 FDR= 1

Number of genes: 25691 (in list), 16 (in gene set)