Gene Set 256: BIOCARTA_NOS1_PATHWAY **Gene Set Null Distribution Heat Map for Genes in Gene Set** Class PRKAR2B Gene Set Null Density 2.0 0.5 Observed Gene Set ES value PRKAR1A **GRIN2A PRKACB PRKCA** Running Enrichment Score (RES) 1.5 PPP3CC 0.0 PPP3CA **PRKCB** PPP3CB P(ES) 1.0 PRKAR2A Zero crossing at 9579 Peak at 2192 DLG4 -0.5 **GRIN2D GRIN1** 0.5 CALM3 PRKACG PRKAR1B NOS1 CALM1 0.0 GRIN2C Neg. ES "1" Pos. ES: "0" "1" **GRIN2B** 15000 -0.5 0.5 5000 10000 20000 0.0 Gene List Index Number of genes: 20389 (in list), 20 (in gene set) ES = 0.68 NES = 1.78 Nom. p-val= 0.00414 FWER= 0.448 FDR= 0.248