Gene Set 802 : REACTOME\_NUCLEOTIDE\_LIKE\_PURINERGIC\_RECEP1 **Gene Set Null Distribution Heat Map for Genes in Gene Set Benign** Malignant Class 2.0 Gene Set Null Density LPAR6 0.5 Observed Gene Set ES value LPAR4 P2RY2 1.5 P2RY1 Running Enrichment Score (RES) GPR17 0.0 P2RY6 ADORA3 P(ES) ADORA1 Zero crossing at 13352 Peak at 1198 **ADORA2B** -0.5 **P2RY12** 0.5 **ADORA2A P2RY13 P2RY10** P2RY4 0.0 **P2RY11** Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" **P2RY14** GSM721588 GSM721589 GSM721590 GSM721612 GSM721613 GSM721614 GSM721616 GSM721618 GSM721591 GSM721592 GSM721611 GSM721615 GSM721617 0.5 5000 10000 15000 20000 25000 -0.5 0.0 Gene List Index Number of genes: 25691 (in list), 16 (in gene set) ES = 0.646 NES = 1.62 Nom. p-val= 0.0141 FWER= 0.99 FDR= 1