Gene Set 180 : MAP00230_Purine_metabolism **Gene Set Null Distribution Heat Map for Genes in Gene Set** Class PRPS2 ADSS AMPD3 IGFBP7 IMPDH1 DCK ADCY9 PDE6G NPR1 AMPD1 AMPD1 GMPR Gene Set Null Density 0.2 Observed Gene Set ES value က 0.0 Running Enrichment Score (RES) -0.2 P(ES) 4.0-Zero crossing at 4737 Peak at 8571 -0.8 -1.0 0 Neg. ES "D" Pos. ES: "A" "D" 2000 4000 6000 8000 10000 -0.2 0.0 0.2 0.4 0.6 Gene List Index ES = -0.398 NES = -1.38 Nom. p-val= 0.084 FWER= 0.989 FDR= 1 Number of genes: 9988 (in list), 45 (in gene set)