Gene Set 172: MAP00071_Fatty_acid_metabolism **Gene Set Null Distribution Heat Map for Genes in Gene Set** Class ADH1B Gene Set Null Density ALDH3A2 CYP51A1 CYP2B6 ALDH2 0.2 Observed Gene Set ES value 3 CYP4B1 Running Enrichment Score (RES) ACADL ALDH1A1 -0.2 **ACADM** 2 ACAA2 FACL3 P(ES) ADH5 CYP2C9 4.0-Zero crossing at 4737 Peak at 7762 CYP3A7 ACADS 9.0-HADHA EHHADH ALDH1B1 -0.8 ACOX1 ADH4 ECHS1 CYP19A1 CYP2C8 CYP3A5 0 -1.0 Neg. ES "D" Pos. ES: "A" "A" "D" 2000 -0.5 4000 6000 8000 10000 0.0 0.5 Gene List Index Number of genes: 9988 (in list), 24 (in gene set) ES = -0.372 NES = -1.21 Nom. p-val= 0.203 FWER= 0.999 FDR= 1