Gene Set 44: KEGG ALPHA LINOLENIC ACID METABOLISM **Gene Set Null Distribution Heat Map for Genes in Gene Set** Malignant Benign Class 0.5 Gene Set Null Density PLA2G4A Observed Gene Set ES value PLA2G5 2.5 PLA2G12A ACOX3 Running Enrichment Score (RES) 2.0 PLA2G2E 0.0 PLA2G1B PLA2G12B 1.5 PLA2G2F P(ES) Zero crossing at 13352 PLA2G3 Peak at 5163 PLA2G2C 1.0 -0.5 PLA2G4E PLA2G2D 0.5 PLA2G2A PLA2G6 ACOX1 -1.0 0.0 PLA2G10 Neg. ES "Malignant" Pos. ES: "Benign" "Malignant" "Benign" FADS2 GSM721588 GSM721590 GSM721616 GSM721618 GSM721589 GSM721591 GSM721592 GSM721611 GSM721612 GSM721613 GSM721614 GSM721617 GSM72161 5000 10000 15000 20000 25000 -0.50.0 0.5 Gene List Index Number of genes: 25691 (in list), 17 (in gene set) ES = 0.53 NES = 1.5 Nom. p-val= 0.0602 FWER= 1 FDR= 1