Gene Set 1565: RASHI RESPONSE TO IONIZING RADIATION 3 **Gene Set Null Distribution Heat Map for Genes in Gene Set Benign** Malignant 0.4 TRABD ACVR2B CREB1 Gene Set Null Density Observed Gene Set ES value CAND1 YLPM1 APC 0.2 4 SPR
PDGFB
NINJ1
ZNF358
GPRASP1
CUEDC1
ACTB
C19orf70
PCSK4
TAF1C Running Enrichment Score (RES) 0.0 3 EPS15 TULP1 ROGDI SH2B1 -0.2 P(ES) POLR2A USP19 SART3 Zero crossing at 13352 Peak at 4239 -0.4 NFIX FIGNL1
ULK1
WWC13
PPP2R4
PIAS3
IMPA2
LAGE3
SETD6
AKAP8
SFPQ
ABCC1
HOXA6
FAM136A
UBAP2L
TNN13
EIF4EBP2
SNW1
FBRS
UBE2H 9.0-9.0 0 Neg. ES "Malignant" Pos. ES: "Benign" "Benign" "Malignant" GSM721588 GSM721589 GSM721590 GSM721612 GSM721616 GSM721591 GSM721592 GSM721613 GSM721614 GSM72161 GSM72161 5000 10000 15000 20000 25000 -0.4-0.2 0.0 0.2 0.4 Gene List Index Number of genes: 25691 (in list), 46 (in gene set) ES = 0.401 NES = 1.76 Nom. p-val= 0.00192 FWER= 0.775 FDR= 1

GSM721618

GSM721617