

Gene Set Null Density

Observed Gene Set ES value

Neg. ES "NON.clus3"

Pos. ES: "clus3"

ES

ES = 0.513 NES = 1.68 Nom. p-val= 0.0117 FWER= 0.784 FDR= 0.508

**clus3**

**NON.clus3**

**Class**

EGFR  
ERBB4  
ERBB3  
PHLPP1  
PIK3CA  
FOXO1  
AKT2  
AKT3  
CDKN1A  
NR4A1  
THEM4  
RPS6KB2  
TRIB3  
BAD  
FOXO3  
ERBB2  
GSK3A  
FOXO4  
MDM2  
CASP9  
PDPK1  
PIK3R1  
NRG2  
TSC2  
PTEN  
AKT1  
CREB1  
AKT1S1  
MTOR  
EREG  
RICTOR  
HBEGF  
EGF  
CHUK  
MAPKAP1  
GRB2  
CDKN1B  
MLST8  
GAB1  
NRG4  
NRG1  
BTC

TGCA\_A1\_S325\_01  
TGCA\_A1\_S326\_01  
TGCA\_A1\_S346\_01  
TGCA\_A1\_S347\_01  
TGCA\_A1\_S324\_01  
TGCA\_A1\_S326\_01  
TGCA\_A1\_S328\_01  
TGCA\_A1\_S329\_01  
TGCA\_A1\_S330\_01  
TGCA\_A1\_S331\_01  
TGCA\_A1\_S334\_01  
TGCA\_A1\_S335\_01  
TGCA\_A1\_S337\_01  
TGCA\_A1\_S338\_01  
TGCA\_A1\_S340\_01  
TGCA\_A1\_S341\_01  
TGCA\_A1\_S342\_01  
TGCA\_A1\_S343\_01  
TGCA\_A1\_S345\_01  
TGCA\_A1\_S346\_01  
TGCA\_A1\_S347\_01  
TGCA\_A1\_S348\_01  
TGCA\_A1\_S349\_01  
TGCA\_A1\_S350\_01  
TGCA\_A1\_S351\_01  
TGCA\_A1\_S352\_01  
TGCA\_A1\_S353\_01  
TGCA\_A1\_S354\_01  
TGCA\_A1\_S355\_01  
TGCA\_A1\_S356\_01  
TGCA\_A1\_S357\_01  
TGCA\_A1\_S358\_01  
TGCA\_A1\_S359\_01  
TGCA\_A1\_S360\_01  
TGCA\_A1\_S361\_01  
TGCA\_A1\_S362\_01  
TGCA\_A1\_S363\_01  
TGCA\_A1\_S364\_01  
TGCA\_A1\_S365\_01  
TGCA\_A1\_S366\_01  
TGCA\_A1\_S367\_01  
TGCA\_A1\_S368\_01  
TGCA\_A1\_S369\_01  
TGCA\_A1\_S370\_01  
TGCA\_A1\_S371\_01  
TGCA\_A1\_S372\_01  
TGCA\_A1\_S373\_01  
TGCA\_A1\_S374\_01  
TGCA\_A1\_S375\_01  
TGCA\_A1\_S376\_01  
TGCA\_A1\_S377\_01  
TGCA\_A1\_S378\_01  
TGCA\_A1\_S379\_01  
TGCA\_A1\_S380\_01  
TGCA\_A1\_S381\_01  
TGCA\_A1\_S382\_01  
TGCA\_A1\_S383\_01  
TGCA\_A1\_S384\_01  
TGCA\_A1\_S385\_01  
TGCA\_A1\_S386\_01  
TGCA\_A1\_S387\_01  
TGCA\_A1\_S388\_01  
TGCA\_A1\_S389\_01  
TGCA\_A1\_S390\_01  
TGCA\_A1\_S391\_01  
TGCA\_A1\_S392\_01  
TGCA\_A1\_S393\_01  
TGCA\_A1\_S394\_01  
TGCA\_A1\_S395\_01  
TGCA\_A1\_S396\_01  
TGCA\_A1\_S397\_01  
TGCA\_A1\_S398\_01  
TGCA\_A1\_S399\_01  
TGCA\_A1\_S400\_01  
TGCA\_A1\_S401\_01  
TGCA\_A1\_S402\_01  
TGCA\_A1\_S403\_01  
TGCA\_A1\_S404\_01  
TGCA\_A1\_S405\_01  
TGCA\_A1\_S406\_01  
TGCA\_A1\_S407\_01  
TGCA\_A1\_S408\_01  
TGCA\_A1\_S409\_01  
TGCA\_A1\_S410\_01  
TGCA\_A1\_S411\_01  
TGCA\_A1\_S412\_01  
TGCA\_A1\_S413\_01  
TGCA\_A1\_S414\_01  
TGCA\_A1\_S415\_01  
TGCA\_A1\_S416\_01  
TGCA\_A1\_S417\_01  
TGCA\_A1\_S418\_01  
TGCA\_A1\_S419\_01  
TGCA\_A1\_S420\_01  
TGCA\_A1\_S421\_01  
TGCA\_A1\_S422\_01  
TGCA\_A1\_S423\_01  
TGCA\_A1\_S424\_01  
TGCA\_A1\_S425\_01  
TGCA\_A1\_S426\_01  
TGCA\_A1\_S427\_01  
TGCA\_A1\_S428\_01  
TGCA\_A1\_S429\_01  
TGCA\_A1\_S430\_01  
TGCA\_A1\_S431\_01  
TGCA\_A1\_S432\_01  
TGCA\_A1\_S433\_01  
TGCA\_A1\_S434\_01  
TGCA\_A1\_S435\_01  
TGCA\_A1\_S436\_01  
TGCA\_A1\_S437\_01  
TGCA\_A1\_S438\_01  
TGCA\_A1\_S439\_01  
TGCA\_A1\_S440\_01  
TGCA\_A1\_S441\_01  
TGCA\_A1\_S442\_01  
TGCA\_A1\_S443\_01  
TGCA\_A1\_S444\_01  
TGCA\_A1\_S445\_01  
TGCA\_A1\_S446\_01  
TGCA\_A1\_S447\_01  
TGCA\_A1\_S448\_01  
TGCA\_A1\_S449\_01  
TGCA\_A1\_S450\_01  
TGCA\_A1\_S451\_01  
TGCA\_A1\_S452\_01  
TGCA\_A1\_S453\_01  
TGCA\_A1\_S454\_01  
TGCA\_A1\_S455\_01  
TGCA\_A1\_S456\_01  
TGCA\_A1\_S457\_01  
TGCA\_A1\_S458\_01  
TGCA\_A1\_S459\_01  
TGCA\_A1\_S460\_01  
TGCA\_A1\_S461\_01  
TGCA\_A1\_S462\_01  
TGCA\_A1\_S463\_01  
TGCA\_A1\_S464\_01  
TGCA\_A1\_S465\_01  
TGCA\_A1\_S466\_01  
TGCA\_A1\_S467\_01  
TGCA\_A1\_S468\_01  
TGCA\_A1\_S469\_01  
TGCA\_A1\_S470\_01  
TGCA\_A1\_S471\_01  
TGCA\_A1\_S472\_01  
TGCA\_A1\_S473\_01  
TGCA\_A1\_S474\_01  
TGCA\_A1\_S475\_01  
TGCA\_A1\_S476\_01  
TGCA\_A1\_S477\_01  
TGCA\_A1\_S478\_01  
TGCA\_A1\_S479\_01  
TGCA\_A1\_S480\_01  
TGCA\_A1\_S481\_01  
TGCA\_A1\_S482\_01  
TGCA\_A1\_S483\_01  
TGCA\_A1\_S484\_01  
TGCA\_A1\_S485\_01  
TGCA\_A1\_S486\_01  
TGCA\_A1\_S487\_01  
TGCA\_A1\_S488\_01  
TGCA\_A1\_S489\_01  
TGCA\_A1\_S490\_01  
TGCA\_A1\_S491\_01  
TGCA\_A1\_S492\_01  
TGCA\_A1\_S493\_01  
TGCA\_A1\_S494\_01  
TGCA\_A1\_S495\_01  
TGCA\_A1\_S496\_01  
TGCA\_A1\_S497\_01  
TGCA\_A1\_S498\_01  
TGCA\_A1\_S499\_01  
TGCA\_A1\_S500\_01