A

ERK MAPK signaling
Metabolism
PI3K/MTOR signaling
Protein stability and degradation
Other
p53 pathway
Unclassified
Chromatin histone methylation
Mitosis
Cell cycle
EGFR signaling
DNA replication
Genome integrity
RTK signaling
Cytoskeleton
Chromatin histone acetylation
Apoptosis regulation
Other, kinases
JNK and p38 signaling
ABL signaling
IGF1R signaling
Chromatin other
WNT signaling
Hormone−related

LGG (n=17)
THCA (n=15)
CESC (n=13)
LIHC (n=17)
LAML (n=27)
SKCM (n=52)
OV (n=32)
PAAD (n=30)
KIRC (n=31)
STAD (n=22)
LUAD (n=63)
SCLC (n=60)
COAD/READ (n=48)
HNSC (n=42)
ESCA (n=35)
MESO (n=21)
LCML (n=10)
ALL (n=24)
BLCA (n=19)
BRCA (n=49)
LUSC (n=15)
GBM (n=35)
DLBC (n=32)
NB (n=29)
MM (n=18)

Pearson r
1
0.5
0
−0.5
−1

B

MAOB vs AZ628_29 (ERK MAPK signaling)
BRCA | n = 14 | Pearson r = −0.96 | adj. p = 9.4e−05

MAOB expression
Drug response (AUC, lower = more sensitive)

C

MAOB vs Dabrafenib_1373 (ERK MAPK signaling)
BRCA | n = 47 | Pearson r = −0.93 | adj. p = 2.3e−16

MAOB expression
Drug response (AUC, lower = more sensitive)