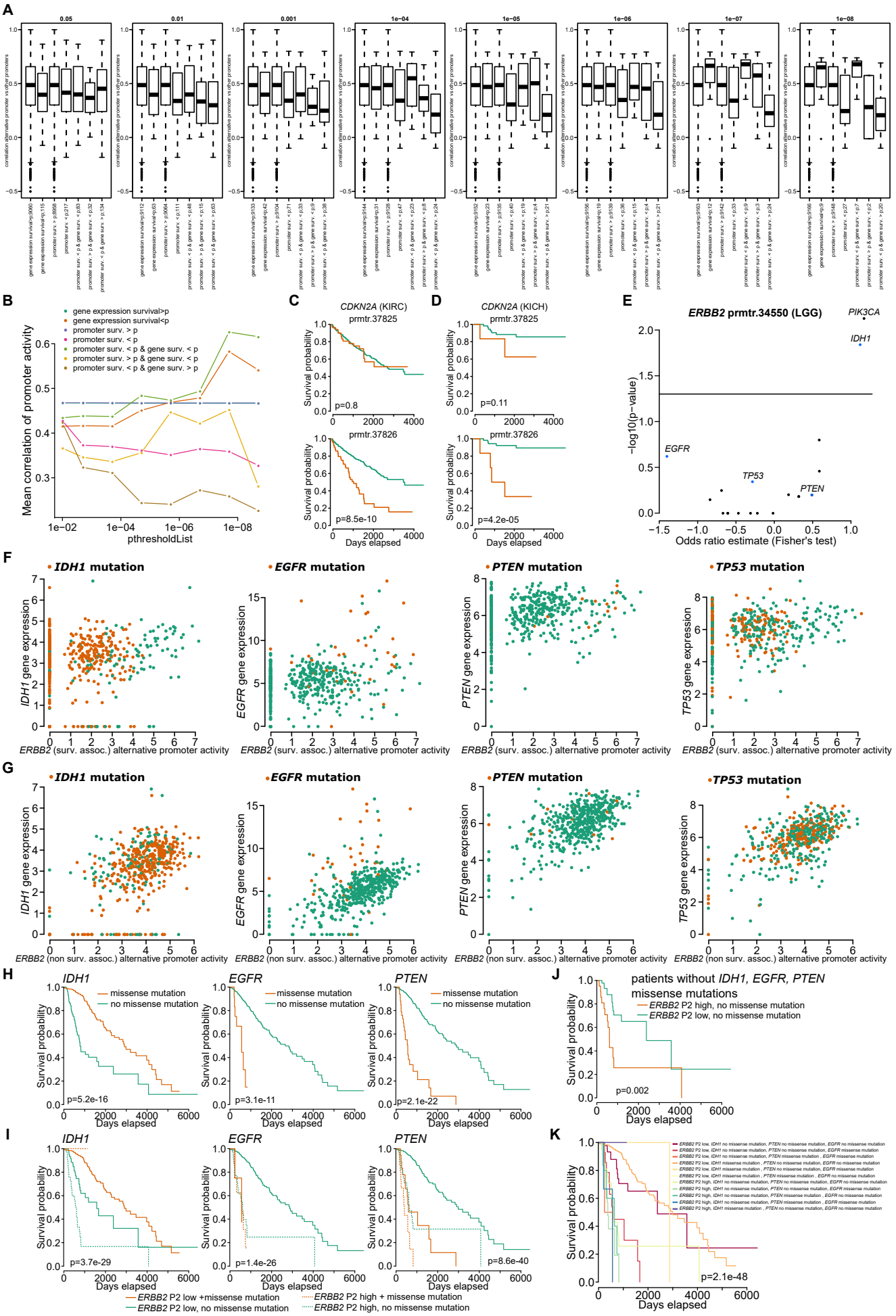
A
0.05
0.01
0.001
1e−04
1e−05
1e−06
1e−07
1e−08
B
gene expression survival>p
gene expression survival<p
promoter surv. > p
promoter surv. < p
promoter surv. < p & gene surv. < p
promoter surv. > p & gene surv. < p
promoter surv. < p & gene surv. > p
Mean correlation of promoter activity
pthresholdList
C
CDKN2A (KIRC)
prmtr.37825
p=0.8
prmtr.37826
p=8.5e-10
Survival probability
Days elapsed
D
CDKN2A (KICH)
prmtr.37825
p=0.11
prmtr.37826
p=4.2e-05
E
ERBB2 prmtr.34550 (LGG)
PIK3CA
IDH1
EGFR
TP53
PTEN
−log10(p−value)
Odds ratio estimate (Fisher's test)
F
IDH1 mutation
EGFR mutation
PTEN mutation
TP53 mutation
IDH1 gene expression
EGFR gene expression
PTEN gene expression
TP53 gene expression
ERBB2 (surv. assoc.) alternative promoter activity
G
ERBB2 (non surv. assoc.) alternative promoter activity
H
IDH1
EGFR
PTEN
missense mutation
no missense mutation
p=5.2e-16
p=3.1e-11
p=2.1e-22
I
p=3.7e-29
p=1.4e-26
p=8.6e-40
ERBB2 P2 low +missense mutation
ERBB2 P2 low, no missense mutation
ERBB2 P2 high + missense mutation
ERBB2 P2 high, no missense mutation
J
patients without IDH1, EGFR, PTEN
missense mutations
ERBB2 P2 high, no missense mutation
ERBB2 P2 low, no missense mutation
p=0.002
K
p=2.1e-48