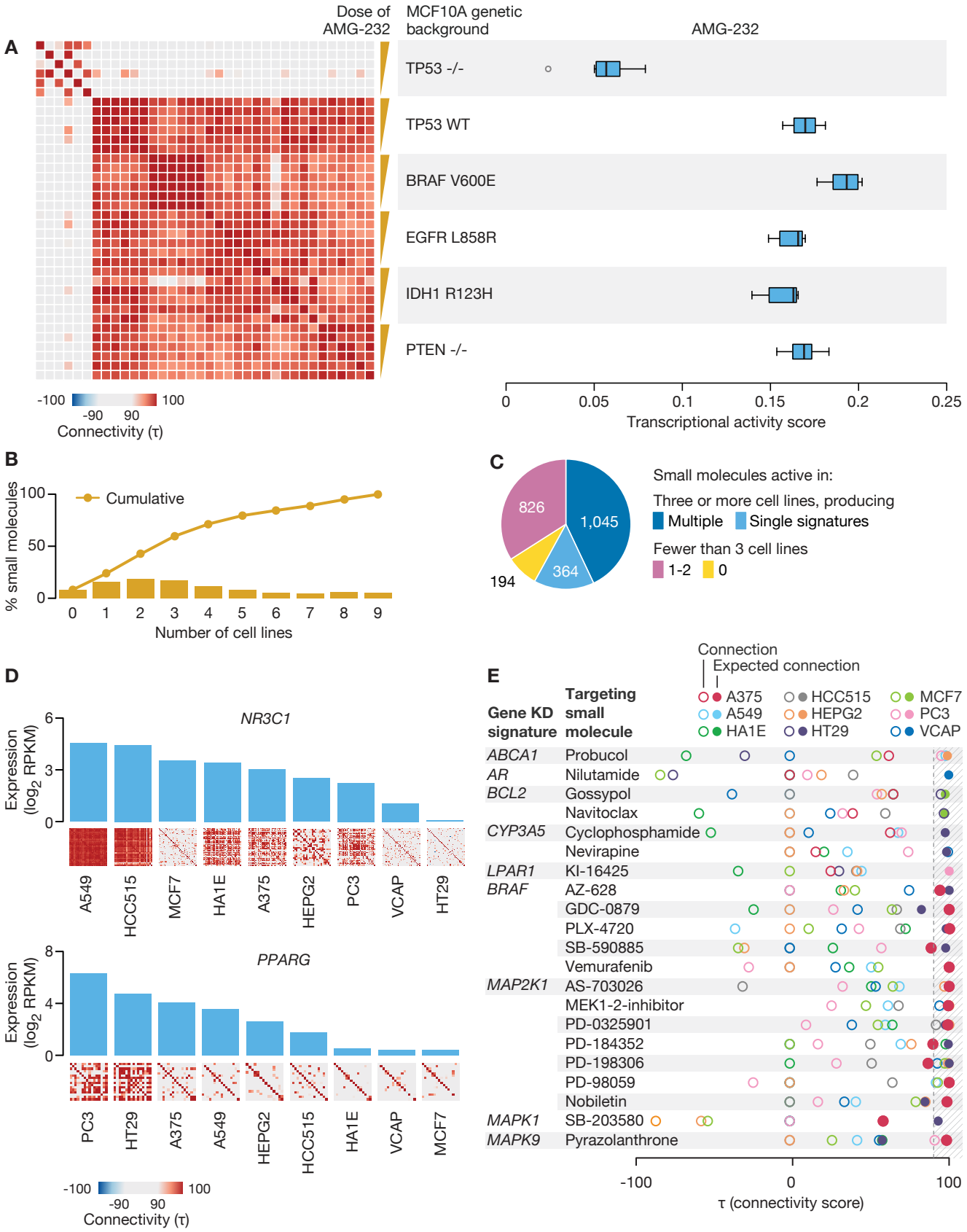
A
Dose of AMG-232
MCF10A genetic background
AMG-232
TP53 -/-
TP53 WT
BRAF V600E
EGFR L858R
IDH1 R123H
PTEN -/-
0
0.05
0.1
0.15
0.2
0.25
Transcriptional activity score
-100
-90
90
100
Connectivity (τ)
B
Cumulative
% small molecules
100
50
0
0 1 2 3 4 5 6 7 8 9
Number of cell lines
C
826
1,045
364
194
Small molecules active in:
Three or more cell lines, producing
Multiple
Single signatures
Fewer than 3 cell lines
1-2
0
D
NR3C1
Expression (log2 RPKM)
6
3
0
A549
HCC515
MCF7
HA1E
A375
HEPG2
PC3
VCAP
HT29
PPARG
Expression (log2 RPKM)
8
4
0
PC3
HT29
A375
A549
HEPG2
HCC515
HA1E
VCAP
MCF7
-100
-90
90
100
Connectivity (τ)
E
Connection
Expected connection
Gene KD signature
Targeting small molecule
A375
A549
HA1E
HCC515
HEPG2
HT29
MCF7
PC3
VCAP
ABCA1 Probucol
AR Nilutamide
BCL2 Gossypol
Navitoclax
CYP3A5 Cyclophosphamide
Nevirapine
LPAR1 KI-16425
BRAF AZ-628
GDC-0879
PLX-4720
SB-590885
Vemurafenib
MAP2K1 AS-703026
MEK1-2-inhibitor
PD-0325901
PD-184352
PD-198306
PD-98059
Nobiletin
MAPK1 SB-203580
MAPK9 Pyrazolanthrone
-100
0
100
τ (connectivity score)