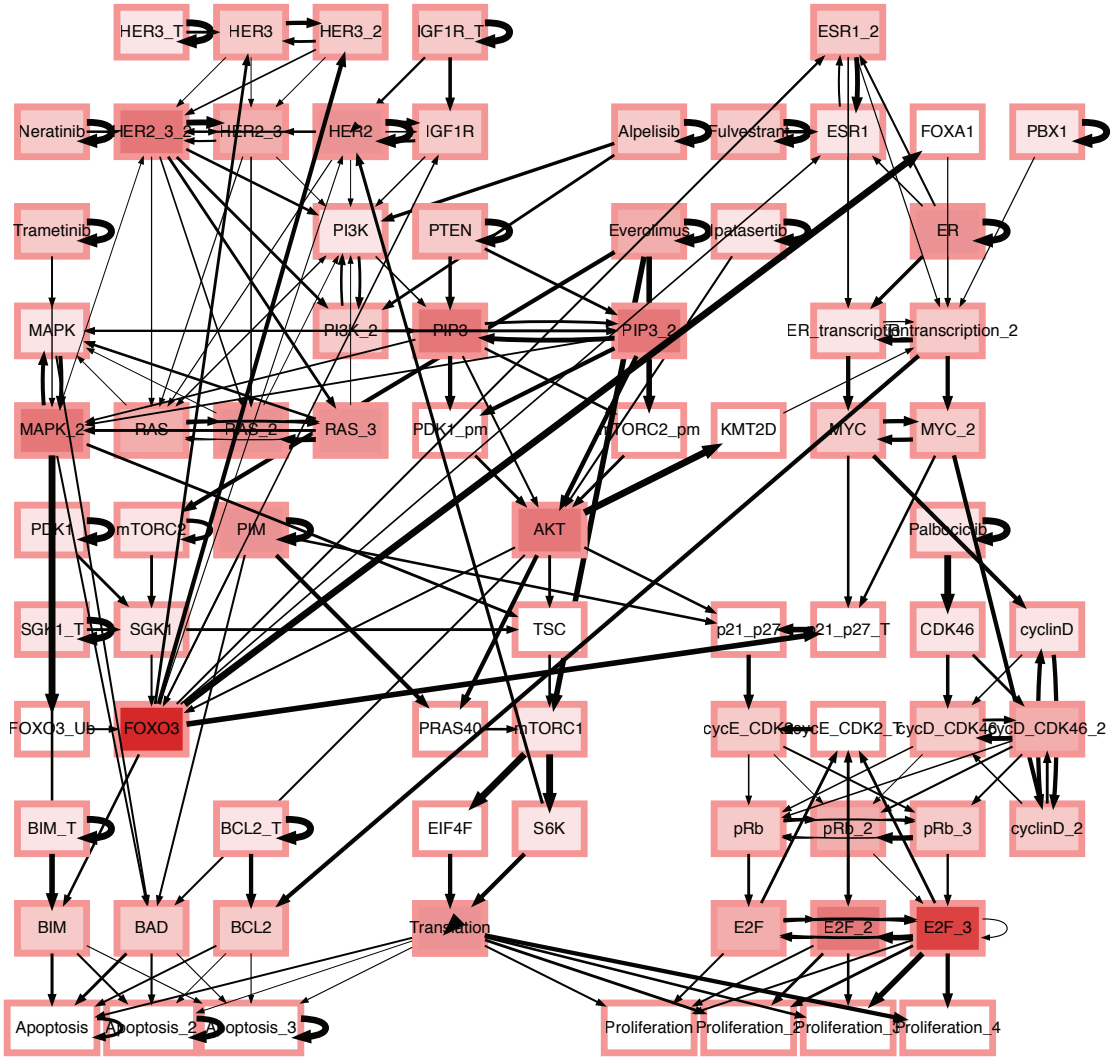
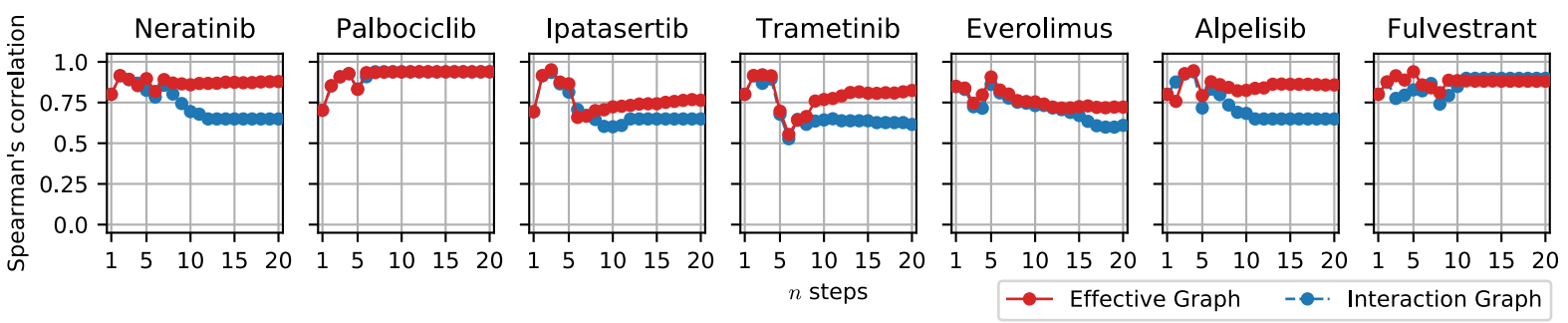
A


HER3_T
HER3
HER3_2
IGF1R_T
ESR1_2
Neratinib
HER2_3_2
HER2_3
HER2
IGF1R
Alpelisib
Fulvestrant
ESR1
FOXA1
PBX1
Trametinib
PI3K
PTEN
Everolimus
Ipatasertib
ER
MAPK
PI3K_2
PIP3
PIP3_2
ER_transcription
ER_transcription_2
MAPK_2
RAS
RAS_2
RAS_3
PDK1_pm
mTORC2_pm
KMT2D
MYC
MYC_2
PDK1
mTORC2
PIM
AKT
Palbociclib
SGK1_T
SGK1
TSC
p21_p27
p21_p27_T
CDK46
cyclinD
FOXO3_Ub
FOXO3
PRAS40
mTORC1
cycE_CDK2
cycE_CDK2_T
cycD_CDK46
cycD_CDK46_2
BIM_T
BCL2_T
EIF4F
S6K
pRb
pRb_2
pRb_3
cyclinD_2
BIM
BAD
BCL2
Translation
E2F
E2F_2
E2F_3
Apoptosis
Apoptosis_2
Apoptosis_3
Proliferation
Proliferation_2
Proliferation_3
Proliferation_4

B


Neratinib
Palbociclib
Ipatasertib
Trametinib
Everolimus
Alpelisib
Fulvestrant
Spearman's correlation
1.0
0.75
0.5
0.25
0.0
1
5
10
15
20
n steps
Effective Graph
Interaction Graph