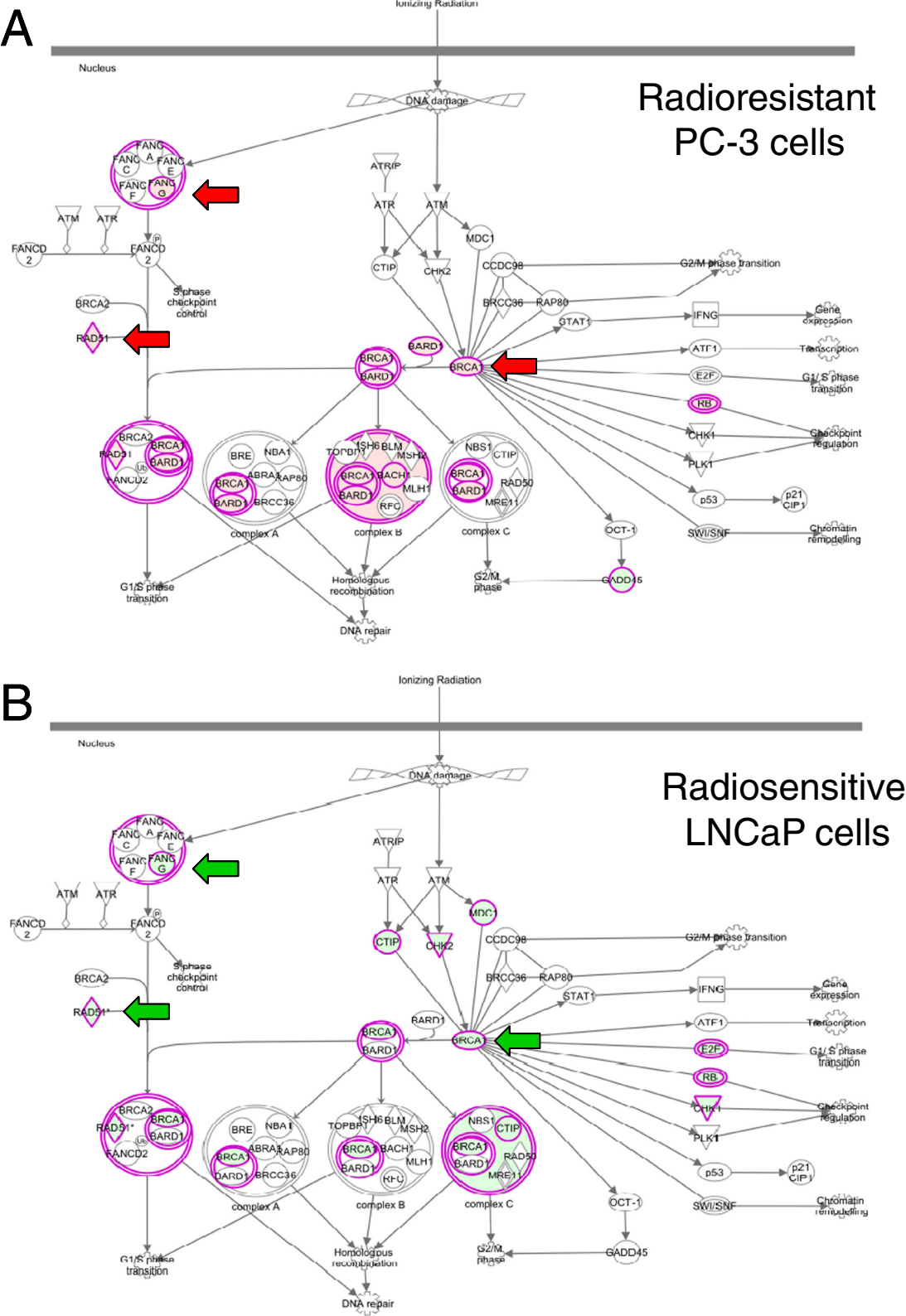
A
Radioresistant PC-3 cells
Ionizing Radiation
Nucleus
DNA damage
FANC A
FANC C
FANC E
FANC F
FANC G
ATM
ATR
FANCD 2
S phase checkpoint control
BRCA2
RAD51
ATRIP
MDC1
CTIP
CHK2
CCDC98
BRCC36
RAP80
STAT1
G2/M phase transition
IFNG
Gene expression
ATF1
Transcription
E2F
G1/S phase transition
RB
CHK1
PLK1
Checkpoint regulation
p53
p21 CIP1
SWI/SNF
Chromatin remodelling
BARD1
BRCA1
RAD51
FANCD2
BRE
NBA1
ABRA1
RAP80
BRCC36
complex A
TOPBP1
MSH6
BLM
MSH2
BACH1
MLH1
RFC
complex B
NBS1
CTIP
RAD50
MRE11
complex C
OCT-1
GADD45
G1/S phase transition
Homologous recombination
G2/M phase
DNA repair
B
Radiosensitive LNCaP cells
Ionizing Radiation
Nucleus
DNA damage
FANC A
FANC C
FANC E
FANC F
FANC G
ATM
ATR
FANCD 2
S phase checkpoint control
BRCA2
RAD51*
ATRIP
MDC1
CTIP
CHK2
CCDC98
BRCC36
RAP80
STAT1
G2/M phase transition
IFNG
Gene expression
ATF1
Transcription
E2F
G1/S phase transition
RB
CHK1
PLK1
Checkpoint regulation
p53
p21 CIP1
SWI/SNF
Chromatin remodelling
BARD1
BRCA1
FANCD2
BRE
NBA1
ABRA1
RAP80
BRCC36
complex A
TOPBP1
MSH6
BLM
MSH2
BACH1
MLH1
RFC
complex B
NBS1
CTIP
RAD50
MRE11
complex C
OCT-1
GADD45
G1/S phase transition
Homologous recombination
G2/M phase
DNA repair