

S2 Table. The Geneseeq Radiotron panel that covers 474 cancer- and radiotherapy response-relevant genes

ADGRB3
AFDN
CCN6
EMSY
ERBIN
MRE11
PRKN
SEPTIN9
ABCB1
ABCC2
ABL1
ADH1B
AIP
AKT1
AKT2
AKT3
ALDH2
ALK
AMER1
APC
APEX1
AR
ARAF
ARID1A
ARID1B
ARID2
ARID5B
ASCL4
ASXL1
ATF1
ATIC
ATM
ATR
ATRX
AURKA
AURKB
AXIN2
AXL
B2M
BAD

BAK1
BAP1
BARD1
BAX
BCL2
BCL2L1
BCL2L11
BCL3
BCR
BIRC3
BLM
BMPR1A
BRAF
BRCA1
BRCA2
BRD4
BRIP1
BTG2
BTK
BUB1B
CASP8
CBL
CBLB
CCND1
CCNE1
CD274
CD74
CDA
CDC73
CDH1
CDK10
CDK12
CDK4
CDK6
CDK8
CDKN1A
CDKN1B
CDKN1C
CDKN2A
CDKN2B
CDKN2C
CEBPA
CEP57

CHD4
CHD8
CHEK1
CHEK2
CREBBP
CRKL
CSF1R
CTCF
CTLA4
CTNNB1
CUL3
CUX1
CXCL8
CXCR4
CYLD
CYP19A1
CYP2A13
CYP2A6
CYP2A7
CYP2B6
CYP2C19
CYP2C9
CYP2D6
CYP3A4
CYP3A5
CYSLTR2
DAXX
DDR2
DENND1A
DHFR
DICER1
DLL3
DNMT3A
DOT1L
DPYD
DTL
DUSP2
EGFR
EIF1AX
EP300
EPAS1
EPCAM
EPHA2

EPHA3
EPHA5
ERBB2
ERBB3
ERBB4
ERCC1
ERCC2
ERCC3
ERCC4
ERCC5
ESR1
ETV1
ETV4
ETV5
ETV6
EWSR1
EXT1
EXT2
EZH2
EZR
FANCA
FANCC
FANCD2
FANCE
FANCF
FANCG
FANCI
FANCL
FANCM
FAT1
FBXW7
FGF19
FGFR1
FGFR2
FGFR3
FGFR4
FH
FLCN
FLT1
FLT3
FLT4
FOXA1
FOXL2

FOXO3
FOXP1
FRG1
GATA1
GATA2
GATA3
GATA4
GATA6
GNA11
GNAQ
GNAS
GRIN2A
GRM3
GRM8
GSTM1
GSTM4
GSTP1
GSTT1
HDAC1
HDAC2
HDAC9
HGF
HLA-A
HMOX1
HNF1A
HNF1B
HRAS
HSPB1
IDH1
IDH2
IFNA6
IFNB1
IFNE
IFNG
IFNGR1
IFNGR2
IGF1R
IGF2
IKBKE
IKZF1
IL13
IL1A
IL7R

INPP4B
IRF1
IRF2
ITGB6
JAK1
JAK2
JAK3
JARID2
JUN
KDM5A
KDR
KEAP1
KIF1B
KIT
KITLG
KLLN
KMT2A
KMT2B
KMT2C
KMT2D
KRAS
LHCGR
LIG3
LIG4
LIN28B
LMO1
LRP1B
LYN
LZTR1
MALT1
MAP2K1
MAP2K2
MAP2K4
MAP3K1
MAP3K4
MAPK1
MAPK3
MAX
MCL1
MDM2
MDM4
MECOM
MED12

MEF2B
MEN1
MET
MGMT
MIF
MITF
MLH1
MLH3
KMT2A
KMT2D
MMP1
MPL
MSH2
MSH6
MTHFR
MTOR
MTRR
MUC5B
MUTYH
MYC
MYCL
MYCN
MYD88
MYH9
NAT1
NBN
NCOR1
NEIL1
NF1
NF2
NFE2L2
NFKB1
NFKBIA
NKX2-1
NOS2
NOS3
NOTCH1
NOTCH2
NOTCH3
NPM1
NQO1
NRAS
NRG1

NSD1
NTHL1
NTRK1
NTRK2
NTRK3
NUTM1
PAK2
PAK3
PALB2
PALLD
PARP1
PARP2
PAX5
PBRM1
PDCD1
PDCD1LG2
PDE11A
PDGFRA
PDGFRB
PDK1
PGR
PHOX2B
PIK3C3
PIK3CA
PIK3CD
PIK3R1
PIK3R2
PKHD1
PLAG1
PLCB4
PLK1
PMAIP1
PMS1
PMS2
PNKP
POLD1
POLD3
POLE
POLH
POT1
PPARD
PPP2R1A
PRDM1

PREX2
PRF1
PRKACA
PRKAR1A
PRKCB
PRKCI
PRKDC
PRSS1
PRSS3
PTCH1
PTEN
PTK2
PTPN11
PTPN13
QKI
RAC1
RAC3
RAD50
RAD51
RAD51B
RAD51C
RAD51D
RAD54L
RAD9A
RAF1
RARA
RARG
RASGEF1A
RB1
RCC1
RECQL4
RELA
RELN
RET
RHOA
RICTOR
RNF43
ROS1
RPTOR
RRM1
RUNX1
RUNX1T1
SBDS

SDC4
SDHA
SDHB
SDHC
SDHD
SERPINE1
SETBP1
SETD2
SF3B1
SGK1
SKP2
SLC34A2
SLC3A2
SMAD2
SMAD3
SMAD4
SMAD7
SMARCA4
SMARCB1
SMO
SOCS1
SOS1
SOX2
SPOP
SPRED1
SPRY4
SRC
SRSF2
SRY
STAG2
STAT1
STAT3
STK11
STMN1
SUFU
SUMO1
TACC3
TAP1
TAP2
TBK1
TEK
TEKT4
TERC

TERT
TET2
TFG
TGFB1
TGFBR2
THADA
TMEM127
TMEM167A
TMPRSS2
TNF
TNFAIP3
TNFRSF11A
TNFRSF14
TNFRSF19
TNFRSF1B
TNFSF11
TOP1
TOP2A
TP53
TP63
TPMT
TSC1
TSC2
TSHR
TTF1
TUBB3
TYMS
U2AF1
UGT1A1
UNG
VAMP2
VEGFA
VHL
WAS
WRN
WT1
XPA
XPC
XRCC1
XRCC2
XRCC3
XRCC4
XRCC5

YAP1
ZNF2
ZNF217
ZNF703