

Supplementary Table S1: 236 genes recurrently mutated in breast cancer and/ or related to DNA repair and/ or potentially actionable cancer genes, present on all three platforms analysed in this study.
ABCA13
ABCB1
ADAMTSL1
AGFG2
AHNAK2
AK9
AKAP9
AKT1
AKT2
AKT3
ANK3
AOAH
APC
APOBEC1
APOBEC2
APOBEC3A
APOBEC3C
APOBEC3D
APOBEC3F
APOBEC3G
APOBEC3H
APOBEC4
ARAF
ARID1A
ATM
ATN1
ATR
ATRX
AURKA
AURKB
AURKC
BIRC5
BRAF
BRCA1
BRCA2
BRIP1
CACNA1A
CACNA1C
CACNA1E
CBFB
CDC25A
CDC25B
CDC25C
CDH1
CDK1
CDK4
CDK6
CDKN1A
CDKN1B
CDKN2A
CDKN2B
CEP164
CHD4
CHD6
CHEK1
CHEK2
COL12A1
CTCF
CTNNB1
CUBN
DCHS2
DEPTOR
DMC1
DOCK11
EGFR
EME1
EME2
EPPK1
ERBB2
ERBB3
ERBB4
ERCC1
ERCC2
ERCC3
ERCC5
ESR1
ESR2

FANCA
FANCB
FANCC
FANCD2
FANCE
FANCF
FANCG
FANCI
FANCL
FANCM
FBN1
FGFR1
FGFR2
FGFR3
FGFR4
FMN2
FOXA1
FOXC2
GATA3
GRB2
GRIN2A
GRIN2B
HECW1
HIF1A
HRAS
HRNR
HSP90AA1
HSP90AB1
HUWE1
IGF1R
INPP4B
IRS1
JAK1
JAK2
KIT
KMT2C
KMT2D
KRAS
LAMA1
LAMA5
MACF1
MAP1A
MAP2K1
MAP2K2
MAP2K3
MAP2K4
MAP2K6
MAP3K1
MAP3K10
MAP3K4
MAP4K4
MAPK1
MAPK8
MAPK9
MDM2
MDN1
MED12
MET
MGAM
MGMT
MLH1
MLH3
MRE11A
MSH2
MSH3
MSH5
MSH6
MTOR
MUTYH
MXRA5
NBEAL2
NBN
NCOA3
NCOR1
NCOR2
NEB
NF1
NF2
NR1H2
NRAS

PALB2
PARP1
PARP2
PARP3
PCNXL2
PDGFRA
PDGFRB
PGR
PIK3CA
PIK3CB
PIK3R1
PLEC
PLK1
PLXNA4
PMS1
PMS2
POLB
POLD1
POLE
POLH
POLQ
PRKCA
PRKCB
PRKCD
PRKCG
PTCH1
PTEN
PTK2
RAD50
RAD51
RAD51B
RAD51C
RAD51D
RAD52
RAD54B
RAD54L
RAF1
RB1
RBBP8
RELN
RICTOR
RPS6KB1
RPTOR
RUNX1
SHC1
SHROOM4
SMO
SOS1
SPEN
SPRY1
SPTA1
SRCAP
STAT1
STAT3
SVEP1
TBX3
TENM1
TGFBR1
TGFBR2
TGFBR3
TOP2A
TP53
TP53BP1
TSC1
TSC2
TYK2
UBR4
USP36
WDFY3
XBP1
XPA
XPC
XRCC1
XRCC2
XRCC3
ZFHX3
ZFHX4
ZNF384
ZNF703