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Disrupting the transcriptional machinery to combat triple-negative breast cancer

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Appendix

List of abbreviations

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List of abbreviations

ABCB1	ATP-binding cassette super-family B member 1
ABCC1	ATP-binding cassette super-family C member 1
ABCG2	ATP-binding cassette super-family G member 2
ABC-transporter	ATP-binding cassette transporter
AR	Androgen receptor
ATM	Ataxia-telangiectasia mutated
ATR	Ataxia telangiectasia and Rad3 related
Bcl-2/xL	B-cell lymphoma 2 / extra large
BET	Bromodomain and extra-terminal Domain
BL1	Basal-like type 1
BL2	Basal-like type 2
BRAF	V-Raf murine sarcoma viral oncogene homolog B
BRCA[1/2]	Breast cancer gene [1/2]
BRD[number]	Bromodomain [family member number]
BSA	Bovine serum albumin
CAR	Chimeric antigen receptor
CDC[number]	Cell division cycle [number]
CDK	Cyclin-dependent kinase
ChIP	Chromatin immunoprecipitation
CI	Combination index
CRISPR	Clustered regularly interspaced short palindromic repeats
CTD	C-terminal domain
CYP3A4	Cytochrome P450 3A4
DMSO	Dimethyl sulfoxide
DNA	Deoxyribonucleic acid
DNMT	DNA methyltransferase
DOX / dox	Doxycycline
DSIF	DRB sensitivity-inducing factor
DUSP4	Dual specificity phosphatase 4
ECL	Electrochemiluminescence
EGFR	Epidermal growth factor receptor
EN1	Engrailed homeobox 1
ER	Estrogen receptor
ERC	European Research Council
FACS	Fluorescence-activated cell sorting
FBS	Fetal bovine serum
FC	Fold change
FDA	US Food and drug administration
FDR	False-discovery rate
FGFR	Fibroblast growth factor receptor 1
FUCCI	Fluorescent ubiquitination-based cell cycle indicator
GEO	Gene expression omnibus
GO	Gene ontology
GSEA	Gene-set enrichment analysis
H2AX	H2A histone family member X
H3K27Ac	Acetylation of the lysine residue at N-terminal position 27 of histone H3
H3K27Me3	Tri-methylation of the lysine residue at N-terminal position 27 of

List of abbreviations

H3K4Me1	histone H3 Methylation of the lysine residue at N-terminal position 4 of histone H3
HAT	Histone acetyltransferases
HDAC	Histone deacetylase
HER2	Human epidermal growth factor receptor 2
HEXIM	Hexamethylene-bis-acetamide-inducible protein
HR	Homologous recombination
HRD	Homologous recombination deficiency
HRP	Horseradish peroxidase
IC50	Half maximal inhibitory concentration
[protein]-i/i	Inhibitor of [protein]
IFN- γ	Interferon gamma
IPA (Ch2, Ch4)	Inguinity pathway analysis
IPA (Ch5, Ch6)	Intronic polyadenylation
iPSC	Inducible pluripotent stem cell
JAK	Janus kinase
KMT	Lysine methyl transferases
KO	Knockout
KRAS	Kirsten rat sarcoma virus
LAR	Luminal androgen receptor
M	Mesenchymal
MAPK	Mitogen-activated protein kinases
MC	Medical center
MCC	Matthews correlation coefficient
MCL1	Myeloid cell leukemia sequence 1 (gene)
MCL-1	Myeloid cell leukemia sequence 1 (protein)
MEK	Mitogen-activated protein kinase kinase
MHC	Major histocompatibility complex
MSL	Mesenchymal-like
MTD	Maximum-tolerated dose
MYC	Myelocytomatosis oncogene
NELF	Negative elongation factor
NF1	Neurofibromin type 1
NF- κ B	Nuclear factor kappa-light-chain-enhancer of activated B cells
NHEJ	Non-homologous end-joining
NK cell	Natural killer cell
NR2C2	Nuclear Receptor Subfamily 2 Group C Member 2
PALB2	Partner and localizer of BRCA2
PARP	Poly (ADP-ribose) polymerase
PAX9	Paired box gene 9
PBS	Phosphate-buffered saline
PCR	Polymerase chain reaction
PD-1	Programmed cell death 1
PD-L1	Programmed cell death ligand 1
PDX	Patient-derived xenograft
PI	Propidium iodide
PI3K	Phosphoinositide 3-kinase
PLAG1	Pleomorphic adenoma gene 1
PLK	Polo-like kinase

Appendix

POLR2A	RNA polymerase II, subunit A
PR	Progesteron receptor
P-TEFb	Positive transcription elongation factor b
PTEN	Phosphatase and tensin homolog
PVDF	Polyvinylidene fluoride
RB1	Retinoblastoma 1
RNA	Ribonucleic acid
RNAPII	RNA polymerase II
RPMI-1640	Roswell Park Memorial Institute medium 1640
RT	Room temperature
SALL1	Spalt-like transcriptoin factor 1
SD	Standard deviation
SDS	Sodium dodecyl sulfate
SDS-PAGE	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SEC	Super-elongation complex
seq	Sequencing
si[Gene name]	siRNA against [Gene name]
siKP	Pool of siRNA made from multiple siRNAs against kinase mRNA
siRNA	Small interfering RNA
SOX[number]	SRY-Box Transcription Factor [number]
SRB	Sulforhodamine B
STAT	Signal transducer and activator of transcription
TAM	Tumor-associated macrophage
TBS	Tris-buffered saline
TBS-T	Tris-buffered saline with tween
TCA	Trichloroacetic acid
tCDK	Transcription-associated cyclin-dependent kinase
TFIIH	Transcription factor II H
TGF- β	Transforming growth factor beta
TM	Transcriptional machinery
TMA	Tissue micro-array
TMi	Transcriptional machinery inhibitor
TNBC	Triple-negative breast cancer
TNF- α	Tumor necrosis factor alpha
VEGFR	Vascular endothelial growth factor
WT	Wildtype
XIAP	X-linked inhibitor of apoptosis
XRCC[number]	X-ray repair cross-complementing protein [number]
yH2AX	H2A histone family member X, phosphorylated serine 139
ZNF	Zinc finger