

List of Abbreviations

A	: Adenine
AP	: Alkaline phosphatase
ABC	: Avidin-biotin-peroxidase complex
AG	: Adenine-Guanine
AIF	: Apoptosis-inducing factor
APAAP	: Alkaline phosphatase-antialkaline phosphatase
Approx.	: Approximately
AR	: Androgen receptor
AT	: Adenine-Thymine
ATM	: Ataxia-telangiectasia mutated
ATR	: ATM-related kinase
BAP1	: BRCA1-associated protein-1
BARD1	: BRCA1-associated RING domain 1
BCT	
BRIP1	: BRCA1 interacting protein C-terminal helicase 1
BLAST	: Basic local alignment search tool
bp	: Base pair
BRCA1	: Breast cancer 1
BRCA2	: Breast cancer 2
C	: Cytosine
°C	: Degree Celsius
CT	: Cytosine-Thymine
CtIP	: CtBp-interacting protein
DAB	: Diaminobenzidine
DCIS	: Ductal carcinoma in-situ
DIRAS3	: Distinct subgroup of the Ras family member 3
DNA	: Deoxyribonucleic acid
DSBs	: Double strand breaks
EDTA	: Ethylene diamine tetra acetate
EtBr	: Ethidium Bromide

FASTA	: Fast align sequence tag assembly
FNAC	: Fine needle aspiration cytology
G	: Guanine
GC	: Guanine-Cytosine
gm	: Gram
GSTs	: Glutathione S-transferase
HADC	: Histone deacetylase
H&E	: Hematoxylin and eosin
HR	: Homologous recombination
IHC	: Immunohistochemistry
LOH	: Loss of heterozygosity
LSAB	: Labeled streptavidin-biotin
M	: Molar
MDM2	: Murine double minute 2
MEGA	: Molecular evolutionary genetics analysis
mg	: Milligram
µg	: Microgram
µl	: Microlitre
ml	: Millilitre
mM	: Millimolar
MW	: Molecular weight
NBN	: Nibrin
NE	: Northeast
NER	: Nucleotide excision repair
NES	: Nuclear export signal sequences
Ng	: Nanogram
NLS	: Nuclear localization signal sequences

O.D.	: Optical Density
ORF	: Open reading frame
PALB2	: Partner and localizer of BRCA2
PAP	: Peroxidase-atiperoxidase
PBS	: Phosphate-buffered saline
PCA	: Principal component analysis
PCNA	: Proliferating cell nuclear antigen
PCR	: Polymerase chain reaction
pmole	: Picomolar
RHA	: RNA helicase A
rrm	: Revolution per minute
RPA	: Replication protein A
SDS	: Sodium dodecyl sulfate
SMS	: Sequence manipulation suite
SSCP	: Single strand chain polymorphism
STK11	: Serine/threonine kinase 11
SV40	: Simian virus 40
T	: Thymine
Tm	: Melting Temperature
UV	: Ultra Violet
WHO	: World health organization