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LIST OF ABBREVIATIONS AND SYMBOLS

%	Percent
μg	Microgram
μL	Microliter
μM	Micromolar
17p TAS	17p telomere-adjacent sequence
ALT	Alternative Lengthening of Telomere
Bp	Base pair
BSA	Bovine serum albumin
Chr17p	Chromosome 17p
cm	Centimeter
cm ²	Square centimeter
CO ₂	Carbondioxide
DCIS	duct carcinoma in situ
DIG	Digoxigenin
DNA	Deoxyribonucleic acid
dNTPs	Deoxynucleotide triphosphates
EDTA	Ethylenediaminetetraacetic acid
FBS	Fetal bovine serum
Flow-FISH	Flow cytometry-Fluorescence <i>In Situ</i> Hybridization
fmol	Femtomole
g	gram/ gravitational force
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
hr	Hour
i.e.	Id est
IDC	Invasive duct carcinoma

Kb	Kilo-base pair
L	Liter
LTL	Leukocyte Telomere Length
M	Molar
mg	Milligram
min	Minute
mL	Milliliter
mM	Millimolar
MW	Molecular weight
NaCl	Sodium chloride
NaHCO ₃	Sodium bicarbonate
ng	Nanogram
nM	Nanomolar
°C	Degree Celsius
PBMCs	Peripheral Blood Mononuclear cells
PBS	phosphate buffer saline
PCR	Polymerase Chain Reaction
pmol	Picomole
PNA	Fluorescent Peptide Nucleic Acid
POT1	Protection of Telomere 1
Q-FISH	Quantitative-Fluorescence <i>In Situ</i> Hybridization
Rap1	Repressor/ Activator Protein 1
rpm	rounds per minute
s	Second
SDS	Sodium dodecyl sulfate
STELA	Single Telomere Length Analysis
TAE	Tris-acetate-EDTA
TE	Tris-EDTA
TIN2	TRF1-interacting protein
TTP1	INT1, PTOP, PIP1
TRF	Terminal Restriction Fragment

TRF1	Telomere Repeat Binding Factor 1
TRF2	Telomere Repeat Binding Factor 2
v/v	Volume by volume
w/v	Weight by volume
w/w	Weight by weight



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