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3' UTR   : 3' untranslated region.

ABC   : ATP binding cassette.

ABL   : Abelson murine leukemia gene.

AGO2   : Argonaute 2 protein.

AKT   : Protein kinase B

ALT   : Alanine aminotransferase.

AP-CML   : Accelerated phase chronic myeloid leukemia.

AST   : Aspartate aminotransferase.

BCR   : Breakpoint cluster region gene.

BP-CML   : Blast crisis chronic myeloid leukemia.

C. elegans   : Caenorhabditis elegans.

CBC   : Complete blood count.

CBL   : Casitas B-lineage lymphoma protein.

CCyR   : Complete cytogenetic response.

CLL   : Chronic lymphocytic leukemia.

CML   : Chronic myeloid leukemia.

c-Myc   : Cyto- Myelocytomatosis.

CP-CML   : Chronic phase chronic myeloid leukemia.

CRKL   : CRK-oncogene–like protein.

CSCs   : Cancer stem cells.

C-terminal   : Carboxyl-terminal amino acid.

DBL   : Diffuse B-cell lymphoma oncogene.

DGCR8   : DiGeorge Syndrome Critical Region 8.

EDTA   : Ethylenediamine tetra-acetic acid.

FAK   : Focal adhesion kinase.

FDA   : Food and Drug Administration.

FISH   : Fluorescent in situ hybridization.

GAP	: Guanosine triphosphatase activating protein.
GDP	: Guanosine diphosphate.
GEF	: GDP–GTP exchange factor.
GRB2	: Growth factor receptor–bound protein 2.
GTP	: Guanosine triphosphate.
IM	: Imatinib mesylate.
IRIS	: International Randomized Study of Interferon Vs STI571.
JAK–STAT	: Janus kinase– signal transducers and activators of transcription.
JNK	: JUN kinase.
kDa	: Kilo daltons.
MAP kinase	: Mitogen activated pathway.
MAPKs	: Mitogen-activated protein kinases.
MDR	: Multidrug resistance
MDR1	: Multidrug resistance protein 1
miRNA, miR	: Micro-ribonucleic acid.
miRNP	: MicroRNA ribonucleoprotein complex.
MMR	: Major molecular response.
mRNA	: Messenger RNA.
mTOR	: Mammalian target of rapamycin.
NCCN	: National Comprehensive Cancer Network.
NSCLC	: Non-small cell lung cancer.
nt	: Nucleotides.
N-terminal	: amino-terminal amino acid.
PBMCs	: Peripheral blood mononuclear cells.
PCR	: Polymerase chain reaction.
P-gp	: Permeability glycoprotein
Ph	: Philadelphia chromosome.
PI3K	: Phosphatidylinositol-3-kinase.

PKB	: Protein kinase B.
Pre-miRNA	: Precursor miRNA.
pri-miRNA	: Primary miRNA.
RAB14	: Ras-related protein 14.
RAC	: RAS-like GTPase..
Ran	: RAs-related Nuclear protein.
RAS	: Guanosine triphosphate binding protein.
RISC	: RNA-induced silencing complex.
RNA pol II	: RNA polymerase II.
RNAs	: Ribonucleic acids.
RNase III	: Ribonuclease III.
SAPK	: Stress-activated protein kinase.
SEER	: Surveillance, Epidemiology, and End Results
Ser–thr	: Serine–threonine.
SH	: Sarcoma homology.
SH2	: Sarcoma (SRC) homology domain 2.
SH3	: Sarcoma (SRC) homology domain 3.
SHC	: SRC homology 2 containing protein.
SOS	: Son-of-sevenless.
TKIs	: Tyrosine-kinase inhibitors.
WHO	: World health organization.
XPO5	: Exportin-5