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## LIST OF ABBREVIATIONS

<b>3' UTR</b>	: 3' untranslated region.
<b>ABC</b>	: ATP binding cassette.
<b>ABL</b>	: Abelson murine leukemia gene.
<b>AGO2</b>	: Argonaute 2 protein.
<b>AKT</b>	: Protein kinase B
<b>ALT</b>	: Alanine aminotransferase.
<b>AP-CML</b>	: Accelerated phase chronic myeloid leukemia.
<b>AST</b>	: Aspartate aminotransferase.
<b>BCR</b>	: Breakpoint cluster region gene.
<b>BP-CML</b>	: Blast crisis chronic myeloid leukemia.
<b>C. elegans</b>	: Caenorhabditis elegans.
<b>CBC</b>	: Complete blood count.
<b>CBL</b>	: Casitas B-lineage lymphoma protein.
<b>CCyR</b>	: Complete cytogenetic response.
<b>CLL</b>	: Chronic lymphocytic leukemia.
<b>CML</b>	: Chronic myeloid leukemia.
<b>c-Myc</b>	: Cyto- Myelocytomatosis.
<b>CP-CML</b>	: Chronic phase chronic myeloid leukemia.
<b>CRKL</b>	: CRK-oncogene-like protein.
<b>CSCs</b>	: Cancer stem cells.
<b>C-terminal</b>	: Carboxyl-terminal amino acid.
<b>DBL</b>	: Diffuse B-cell lymphoma oncogene.
<b>DGCR8</b>	: DiGeorge Syndrome Critical Region 8.
<b>EDTA</b>	: Ethylenediamine tetra-acetic acid.
<b>FAK</b>	: Focal adhesion kinase.
<b>FDA</b>	: Food and Drug Administration.
<b>FISH</b>	: Fluorescent in situ hybridization.

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

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