

## Commonly Used Abbreviations

RNA = ribonucleic acid  
DNA = deoxyribonucleic acid  
bp = base pair(s)  
Mb = Megabases  
dNTP = deoxynucleoside triphosphate  
ddNTP = dideoxynucleoside triphosphate  
PCR = Polymerase chain reaction  
cM = centiMorgans  
dsDNA = double-stranded DNA  
dsRNA = double-stranded RNA  
ssDNA = single-stranded DNA  
ssRNA = single-stranded RNA  
gDNA = genomic DNA  
cDNA = complementary DNA  
mRNA = messenger RNA  
tRNA = transfer RNA  
rRNA = ribosomal RNA  
lncRNA or lincRNA = long non-coding RNA or long intergenic non-coding RNA  
LINEs = long interspersed elements  
SINEs = short interspersed elements  
WBCs = white blood cells  
GMO = genetically modified organism  
CRISPR = Clustered regularly interspaced short palindromic repeats  
RNAi = RNA interference  
LDL = Low-Density Lipoprotein  
HDL = High-Density Lipoprotein  
FH = Familial Hypercholesterolemia  
LDLR = Low-Density Lipoprotein Receptor