CONTENTS IN FULL

ABBREVIATIONS

4E-BP	eIF4E-binding protein
53BP1	p53 binding protein 1
A	adenine
A	adenosine
A	aminoacyl
Å	angstrom
AAA+	ATPases associated with a variety of cellular activities
AAV	adeno-associated virus
aCGH	array comparative genomic hybridization
acetyl-CoA	acetyl coenzyme A
ADAR	adenosine deaminase that acts on RNA
ADP	adenosine diphosphate
AFM	atomic force microscopy
AIDS	acquired immunodeficiency syndrome
ALT	alternative lengthening of telomeres
AMP	adenosine monophosphate
APA	alternative polyadenylation site
APC	anaphase-promoting complex
ARE	AU-rich element
Asn-tRNA^{Asn}	asparagine-bound tRNA species
ATM	ataxia telangiectasia mutated
ATP	adenosine triphosphate
ATR	ATM related
ATRIP	ATR-interacting protein
attB	attachment site bacteria
attL	attachment site left
attP	attachment site phage
attR	attachment site right
BAC	bacterial artificial chromosome
bHLH	basic region-helix-loop-helix
BIR	break-induced replication
BLAST	Basic Local Alignment Sequence Tool
bp	base pairs
BRCA1	breast cancer type 1 susceptibility protein
BRCA2	breast cancer type 2 susceptibility protein
BRE	TFIIB recognition element
BSA	bovine serum albumin
bZIP	basic region-leucine zipper
C	cytidine
C	cytosine
C	carbon
Ca	calcium
Caf1	chromatin assembly factor
CAK	Cdk-activating kinase
cAMP	cyclic adenosine monophosphate
CAP	catabolite activator protein