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Daysleeper : from genomic parasite to indispensable gene

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Citation

Knip, M. (2012, November 22). *Daysleeper : from genomic parasite to indispensable gene*. Retrieved from <https://hdl.handle.net/1887/20170>

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Title: Daysleeper : from genomic parasite to indispensable gene

Date: 2012-11-22

Chapter 8

List of Abbreviations



List of Abbreviations

This list contains descriptions of most abbreviations used in this thesis. This list contains some, but not all, abbreviated gene and protein nomenclature used in this work. Some commonly known abbreviations are not included.

µg	Microgram
µl	Microliter
µm	Micrometer
µM	Micromolar
3-AT	3-Amino-1,2,4-triazole
AA	Amino acid
APC/C	Anaphase-promoting complex/Cyclosome
ARF	Auxin response factor
BCR	(BTB) domain-containing protein-CUL3-RING protein
BED zinc finger	BEAF and DREF zinc finger
BiFC	Bi-molecular fluorescence complementation
BLAST	Basic Local Alignment Search Tool
Bp	Base pair
C (-terminus)	Carboxy/COOH (-terminus)
CaMV	Cauliflower Mosaic virus
cDNA	Copy or complement DNA (see:DNA)
CFP	Cyan fluorescent protein
CHMP	Charged Multi-vesicular Protein (or Chromatin Modifying Protein)
CHX	Cyclohexamide
Col	Columbia
COP	Constitutively photomorphogenic
CRL	Cullin RING Ligase
CSN	COP9 Signalosome
CUL	Cullin
dag	Days after germination
DCX	DDB1-CUL4a-X-box
DIR	Direct repeat
DNA	Deoxy ribonucleic Acid
DTT	Dithiothreitol
EDTA	Ethylenediaminetetraacetic acid
ESCRT	Endosomal sorting complex required for transport
EST	Expressed sequence tag
FAR1	Farred light response
FIE	FERTILIZATION-INDEPENDENT ENDOSPERM
FRS3	FAR-related sequence 3
gDNA	Genomic DNA (see:DNA)
GFP	Green fluorescent protein
Gm	Gentamycin
GUS	Beta-glucuronidase
H2A	Histone 2A
hAT transposon	<i>hobo</i> /Ac/Tam3 transposon
IAA	Indole-3-acetic acid
JA	Jasmonic Acid
kDa	kiloDalton
KM	Kanamycin
LINE	Long interspersed Nuclear Element
LTR	Long Terminal Repeat
MAN1	Endo-Beta-Mannanase1
MCS	Multi-cloning site
mg	Milligram
mGFP5	Modified green fluorescent protein 5
Min	Minute

miRNA	MicroRNA
ml	Milliliter
mm	Millimeter
mM	Millimolar
mRNA	Messenger RNA (see:RNA)
MS	Murashige and Skoog
MSI1(/4)	Multi-copy suppressor of IRA
MVB	Multi vesicular body
Myr	Million years
N (-terminus)	Amino/NH ₂ (-terminus)
NEB	New England Bioscience
ng	Nanogram
NIH	National Institute of Health
NLS	Nuclear localization reaction
nm	Nanometer
nM	Nanomolar
npcRNA	Non-protein coding RNA
NPH3	Non-phototropic hypocotyl
NRL8	NPH3/RPT2-Like
NWO	Nederlandse organisatie voor wetenschappelijk onderzoek (Dutch organization for scientific research)
ORF	Open reading frame
PCR	Polymerase chain-reaction
PMSF	Phenylmethanesulfonyl fluoride
PPT	Phosphinotrycin
PRC	Ploycomb-repressive complex
QC	Quiescent center
qRT-PCR	Quantitative Reverse Transcription PCR (See:PCR)
RabG3C	RAB GTPASE HOMOLOG G3C
RdDM	RNA-directed DNA methylation
RFP	Red fluorescent protein
RHA1	Rab-homolog F2A (see:Rab)
RNA	Ribonucleic Acid
RPT2	Root phototropism 2
RRP6	ribosomal RNA processing 6
SA	Salicylic Acid
SAGE	Serial Analysis of Gene Expression
SCF	Skp1-Cul1-F-Box
SINE	Short interspersed Nuclear Element
siRNA	Small interfering RNA
SNX1	Sorting Nexin1
SUL	Sulfadiazine
TagRFP	Tag Red fluorescent protein
TAM	Tamoxifen
tasiRNA	Trans-acting siRNA
T-DNA	Transfer DNA (see:DNA)
TE	Transposable element
TIR	Terminal inverted repeat
TSD	Target site duplication
UBQ	Ubiquitin
UTR	Untranslated region (referring to gene-transcripts)
VPS	Vacuolar protein sorting
YFP	Yellow fluorescent protein

