

V. Abbreviations

1D one-dimensional
2D two-dimensional
Amp ampicillin
APS ammonium persulfate
AU absorbance units
BSA bovine serum albumina
Cam chloramphenicol
CBP cap-binding protein
CTE constitutive transport element
CV column volumns
DTT dithiotreitol
EDTA ethylenediamine tetra-acetic acid
EJC exon-junction complex
FG phenylalanine-glycine
FPLC fast flow liquid chromatography
GAP RanGTPase-activating protein
GEF guanidine-nucleotide exchange factor
HSQC heteronuclear single quantum coherence
IBB importin- β -binding domain
IPTG isopropyl- β -D-thiogalactopyranoside
LB Luria-Broth
LRR leucine rich repeat
LTR long terminal repeat
NES nuclear export signal
NLS nuclear localization signal
NMD nonsense-mediated decay
NMR nuclear magnetic resonance
NPC nuclear pore complex
NTF2 nuclear transport factor 2

Nup nucleoporin
NXF nuclear export factor
PAGE polyacrylamide gel
PCR polymerase chain reaction
PEG polyethylene glycol
PMSF phenylmethylsulfonylfluoride
Pol II RNA polymerase II
RBD RNA-binding domain
RBP Ran-binding protein
RGG arginine-glycine-glycine
RNP ribonucleoprotein
rpm revolutions per minute
RRE Rev-responsive element
RRM arginine-rich motif
SAXS small angle X-ray scattering
SDS sodium dodecansulfonate
TAP Tip-associated protein
TEMED N,N,N',N'-tetramethylenediamine
TREX transcription-export complex
Tris tris(hydroxymethyl)aminomethane
TROSY transverse relaxation optimized spectroscopy
UTC analytical ultracentrifugation
UV ultra-violet