

## 6 Abbreviations

Å	Ångström, $1\text{Å} = 10^{-10}\text{ m}$
ADP	adenosine-di-phosphate
ARF	adenosine-di-phosphate-ribosylation factor
ATP	adenosine-tri-phosphate
bp	base pairs
dH <sub>2</sub> O	distilled water
DNA	deoxyribonucleic acid
dNTP	mixture of dATP, dCTP, dGTP, dTTP
DTT	dithiothreitol
<i>E. coli</i>	<i>Escherichia coli</i>
ECL	enhanced chemo-luminescence
EDTA	ethylenediaminetetraacetic acid
EF	elongation factor
eIF	eukaryotic initiation factor
ER	endoplasmic reticulum
Ffh	fifty-four-homologue
FPLC	fast performance liquid chromatography
FtsY	prokaryotic SRα homologue
GAP	GTPase activating protein
GEF	guanine nucleotide exchange factor
GNBP	guanine nucleotide binding protein
GTP	guanine tri-phosphate
HEPES	N-[2-Hydroxyethyl]piperazine-N'-[4-butanefulfonic acid]
kb	kilo bases
kDa	kiloDalton, $1\text{ kDa} = 1.66018 \cdot 10^{-21}\text{ gram}$
M	molarity, $[\text{mol} \cdot \text{liter}^{-1}]$
mantGDP	3'-(N-Methyl-anthraniloyl)-2'-deoxy-guanosine-5'-diphosphate
MDa	megaDalton, $1\text{ MDa} = 1000\text{ kDa}$

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mRNA	messenger RNA
msec	milli seconds
nt	nucleotides
OD	optical density
OST	oligo-saccharyl-transferase
PAGE	polyacrylamide gel electrophoresis
PCC	protein conduction channel
PCR	polymerase chain reaction
PEG	poly ethylene glycol
PMSF	phenylmethylsulfonyl flouride
RNA	ribonucleic acid
RNC	ribosome nascent chain complex
rRNA	ribosomal RNA
RT	room temperature
Sbh1	Sec61 beta homologue 1
Sbh2	Sec61 beta homologue 2
SDS	sodium dodecyl sulfate
SPC	signal peptidase complex
SR	signal recognition particle receptor
SRP	signal recognition particle
Tris	tris[hydroxymethyl]aminomethane
tRNA	transfer RNA
UV	ultra violet
x g	x times gravity