

Abbreviations used

Abbreviations	Full name/Paraphrase
PCR	polymerase chain reaction
ddPCR	Droplet digital polymerase chain reaction
CNE1	a calcium-binding protein, acts as a molecular chaperone in the ER and participates in protein folding and glycosylation modification
CPR5	is a cyclophilin, the main functions of which are to affect peptidyl-prolyl <i>cis-trans</i> isomerase, participate in post-translational modification of proteins, and maintain the homeostasis of intracellular metal ions
<i>CYC1</i>	<i>CYC1</i> terminator
ER	endoplasmic reticulum
ERO1	PDI oxidase, controls the folding of oxidized proteins in the ER
GeXP	Genetic Analysis System
HAC1	Transcriptional activator HAC1
<i>HAC1</i>	Transcriptional activator <i>HAC1</i> gene
KAR2	a Bip-binding protein that transports proteins to the ER with the help of an ATPase and also acts as a molecular chaperone
PDI1	a multifunctional molecular chaperone in the ER and plays a major role in the formation of disulfide bonds
<i>PGK</i>	Phosphoglycerate kinase gene
rDNA	Ribosomal DNA
RT-PCR	reverse-transcriptase PCR
<i>S. cerevisiae</i>	<i>Saccharomyces cerevisiae</i>
SEC53	a phosphomannomutase, is involved in the synthesis of GDP-mannose and mannose 6-phosphate, which are required for the folding and glycosylation of secretory proteins in the ER lumen
UPR	unfolded protein response
<i>xynB</i>	β -1,4-endoxylanase B
α -factor	the α -factor signal peptide

Note: Arrange by the alphabetical order of capital letters