Appendix
APPENDIX

Note: Water purified with a Milli Q water purification system (Millipore Corp., MA, USA) was used for making all the solutions.

Alkaline SDS solution
1% SDS
0.2 N NaOH

10X Annealing buffer
200 mM Tris-Cl, pH 7.4
20 mM MgCl₂
500 mM NaCl

Blocking buffer for Western blotting
50 mM PBS
0.1% Tween-20
0.2% BSA

Complete DMEM, MEM, RPMI, Leucin-free RPMI media, pH 7.2
Medium 89 ml
FCS 10 ml
Antibiotic-antimycotic 1 ml

Denaturation buffer for DNA sequencing
1 N NaOH
50 mM EDTA
**LB medium (per liter)**

- Tryptone 10 g
- Yeast extract 5 g
- NaCl 10 g

pH adjusted to 7.2-7.4 with 10 N NaOH

**2X YT medium (per liter)**

- Tryptone 5 g
- Yeast extract 10 g
- NaCl 5 g

pH adjusted to 7.2-7.4 with 10 N NaOH

**Phosphate buffer saline, pH 7.4**

- 39 mM Na$_2$HPO$_4$
- 11 mM NaH$_2$PO$_4$.2H$_2$O
- 138 mM NaCl

**Potassium acetate solution**

- 5 M potassium acetate
- 2.2 M acetic acid

**RBCs washing buffer**

- PBS, pH 7.4
- 1% CaCl$_2$
- 0.1% gelatin

**Refolding buffer**

- 0.1 M Tris-Cl, pH 8.0
- 0.5 M L-arginine-HCl
- 0.9 mM GSSG
- 0.2 mM EDTA, pH 8.0
**SDS-PAGE running buffer**
25 mM Tris
3.4 mM SDS
190 mM Glycine

**Sodium acetate buffer, pH 5.0 (per liter)**
NaOH 3 g
Glacial acetic acid 8 ml

**TAE buffer (50X, 1 liter)**
Tris base 242 g
Glacial acetic acid 57 ml
0.5 M EDTA 100 ml

**TE buffer**
10 mM Tris-HCl, pH 8.0
1 mM EDTA, pH 8.0

**TEG buffer**
25 mM Tris-HCl, pH 8.0
10 mM EDTA
50 mM Glucose
10 mg/ml lysozyme

**Transfer buffer for Western blotting (pH 9.9)**
10 mM NaHCO₃
3 mM Na₂CO₃
20% Methanol

**Washing buffer for inclusion bodies (TE₅₀/₂₀)**
50 mM Tris-Cl, pH 7.4
20 mM EDTA