Volume 75 (2019)

Supporting information for article:

ATP-specificity of succinyl-CoA synthetase from *Blastocystis hominis*

Ji Huang, Vinh Nguyen, Karleigh Hamblin, Robin Maytum, Mark van der Giezen and Marie E. Fraser

Table 1 Crystallization conditions

Method	Vapour diffusion in hanging drops						
Plate type	Hampton Research VDX						
Temperature	294 K						
Protein	Wild-type Abd-*Bh*SCS	K46βE Abd-*Bh*SCS	K114βD Abd-*Bh*SCS	V113βL Abd-*BhSCS*	L227βF Abd-*Bh*SCS	K46βE&K114βD Abd-*Bh*SCS	K46βE&K114βD Abd-*Bh*SCS
Protein concentration	6.5 mg mL^{-1}	3.5 mg mL^{-1}	6.5 mg mL^{-1}	6.5 mg mL^{-1}	6.5 mg mL^{-1}	8.0 mg mL^{-1}	6.0 mg mL^{-1}
Buffer composition of protein solution	10 mM MES pH 6.5, 1.7 mM TCEP, 8.5 mM ADP, 8.5 mM $MgCl_2$	10 mM MES pH 6.5, 0.33 mM TCEP, 5 mM ADP, 5 mM $MgCl_2$, 350 mM NaCl	10 mM MES pH 6.5, 0.95 mM TCEP, 14 mM ADP, 14 mM $MgCl_2$, 282 mM NaCl	10 mM MES pH 6.4, 2 mM TCEP, 6.4 mM ADP, 6.4 mM $MgCl_2$	10 mM MES pH 6.1, 1.8 mM TCEP, 15 mM ADP, 15 mM $MgCl_2$	10 mM MES pH 6.5, 3.7 mM TCEP, 10 mM ADP, 10 mM $MgCl_2$, 278 mM KCl	10 mM MES pH 6.5, 5 mM TCEP, 10 mM GTP, 10 mM $MgCl_2$, 200 mM ammonium chloride pH 8
Composition of reservoir solution[1]	10% (w/v) P3350, 100 mM MES pH 5.7, 160 mM ammonium tartrate pH 8	15% (w/v) P3350, 100 mM MES pH 5.9, 125 mM ammonium tartrate pH 8	12% (w/v) P3350, 100 mM MES pH 5.3, 225 mM ammonium tartrate pH 8	10% (w/v) P3350, 100 mM MES pH 6.0, 200 mM ammonium tartrate pH 8	12% (w/v) P3350, 100 mM MES pH 6.0, 180 mM ammonium tartrate pH 8	15% (w/v) P3350, 100 mM MES pH 6.6, 140 mM ammonium tartrate pH 8	14% (w/v) P3350, 100 mM MES pH 6.5, 160 mM ammonium tartrate pH 8
Volume and ratio of drop	0.5 µL, 1:1						
Volume of reservoir	0.5 mL						

[1] The pH values in the reservoir solutions refer to the pH of 1 M stock solutions.