**Table 2 – table supplement 1: Crystallisation data**

**d\_e, drop 28b8**

0.1M Na acetate pH 4.5, 0.68 M NaH2PO4, 1.11 M Na2HPO4

cryo protectant: condition + 300 mM NaCl + 15 % glycerol

**s\_2, drop 93h3**

0.2 M MES pH 6.0, 13.6 % (v/v) MPD

ADP nucleotide from protein prep

cryo protectant: condition + 300 mM NaCl + 25 % MPD

**s\_2\_a, drop 96f5**

0.14 M MES pH 6.0, 17.3 % (v/v) MDP

ADP nucleotide from protein prep, 1 mM A22 (in EtOH)

cryo protectant: condition + 300 mM NaCl + 25 % MPD

**s\_2\_m, drop 106f7**

0.14 M MES pH 6.0, 19.0 % (v/v) MPD

ADP nucleotide from protein prep, 1 mM MP265 (in H2O)

cryo protectant: condition + 300 mM NaCl + 25 % MPD

**s\_e, drop 136a7**

0.01 M MES pH 6.5, 32 % (w/v) PEG 400

no cryo protectant added

**d\_3, drop 144d6**

0.29 M MES pH 6.0, 9 % (v/v) MPD

5 mM AMPPNP / 10 mM MgCl2

cryo protectant: condition + 300 mM NaCl + 25 % MPD

**s\_3\_m, plate 235** (condition averaged since several crystals merged)

0.08 M Tris pH 8.5, 0.2 M MgCl2, 20 % (v/v) glycerol, 22.5 % (w/v) PEG 4000

5 mM AMPPNP / 10 mM MgCl2,1 mM MP265 (in H2O)

cryo protectant: condition + 300 mM NaCl + 25 % glycerol

**m\_2, drop 2447h1**

2 M NH4H2PO4, 0.01 % (w/v) PEG 3350

5 mM ADP / 10 mM MgCl2

cryo protectant: condition + 300 mM NaCl + 25 % glycerol

**m\_3, 452a7**

0.1 M NH4H2PO4, 9.5 % (w/v) PEG 3350

5 mM AMPPNP / 10 mM MgCl2

cryo protectant: condition + 300 mM NaCl + 25 % PEG 200