A
Chd1
601 sequence
F(+14)
R(-85)
Chd1
-/+
AMP-PNP
B
probability
-AMP-PNP
+AMP-PNP
FRET efficiency
C
photons
E_FRET
time / s
D
photons
E_FRET
time / s
E
E_initial
E_final
F
k / s^-1
no ATP analog
AMP-PNP
Transition
0.45 ↓ 0.10
0.40 ± 0.09
0.17 ± 0.03
0.10 ↓ 0.45
1.48 ± 0.21
0.25 ± 0.12