Table S1. Summary of reported apparent Kds for FtsZ or CCTP with its binding partners.

	Kd for FtsZ (μM)	Kd for CCTP (μM)	Method	Reference
$ZipA^{186-328}$	~0.2	~21.6 to 35	ELISA, SPR & ITC	(Mosyak et al., 2000)
ZipA	0.043-0.085	ND	FS	(Kuchibhatla et al., 2011)
$ZipA^{185-328}$	ND	7	SPR & FP	(Kenny et al., 2003)
$ZipA^{186-328}$	0.2	ND	ELISA	(Haney et al., 2001)
$ZipA^{26-328}$	1.7-5.8	ND	CG-SLS	(Martos et al., 2010)
Nd-ZipA	40	ND	FCS	(Hernandez-Rocamora et al., 2012b)
FtsA	ND	45-58	ITC	(Szwedziak et al., 2012)
SlmA	0.12-0.2	ND	FP	(Tonthat et al., 2011)
SlmA	0.21	81	BI	(Du and Lutkenhaus, 2014)

ND: Not Done
BI: Biolayer Interferometry
CG-SLS: Composition Gradient-Static Light Scattering
FCS: Fluorescence Correlation Spectroscopy
FP: Fluorescence Polarization
ITC: Isothermal Titration Calorimetry
Nd-ZipA: ZipA embedded in Nanodisc
SPR: Surface plasmon resonance

Fig. S1

Ztail peptide binds SBS-SlmA with low affinity

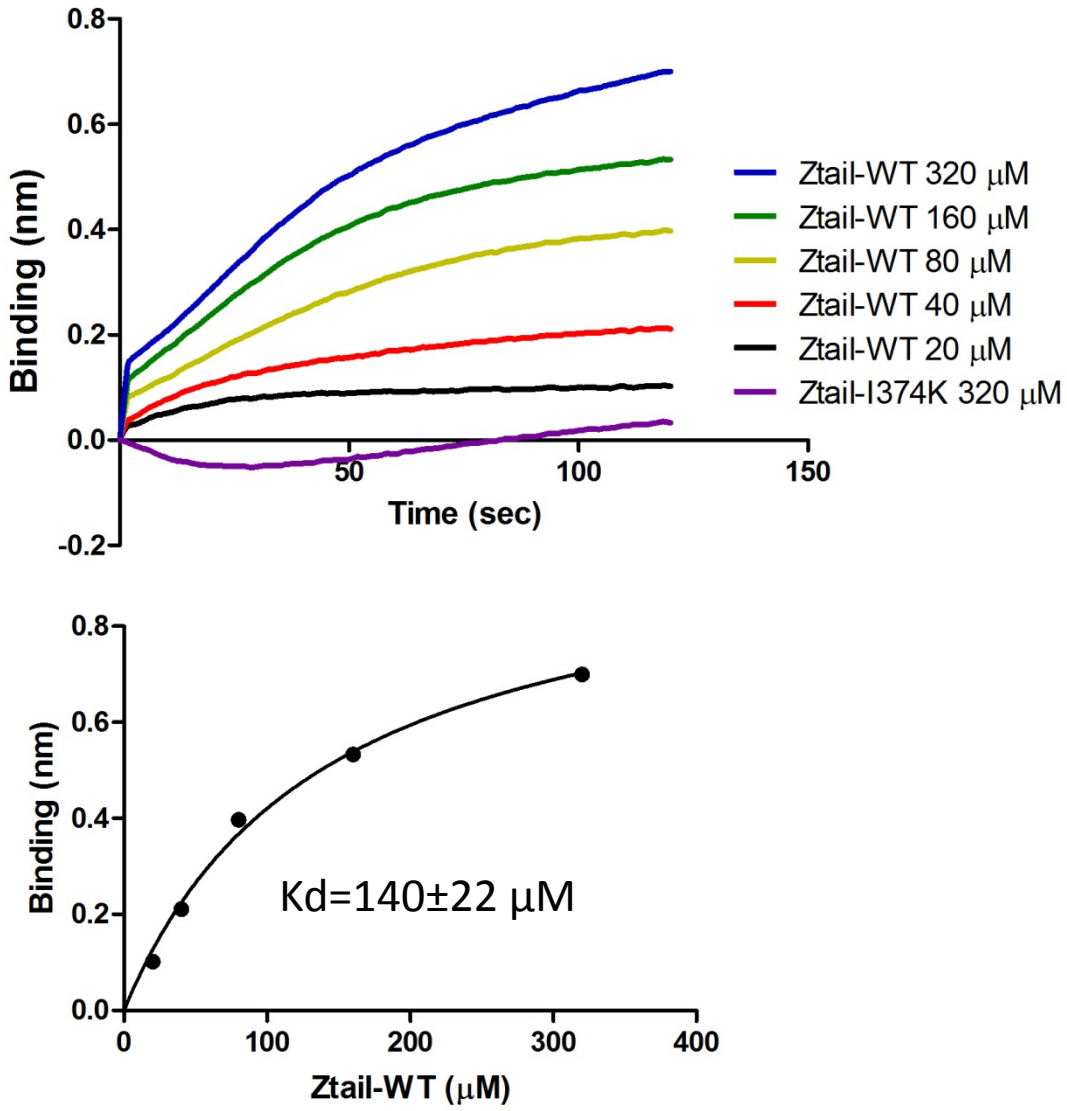


Fig. S2

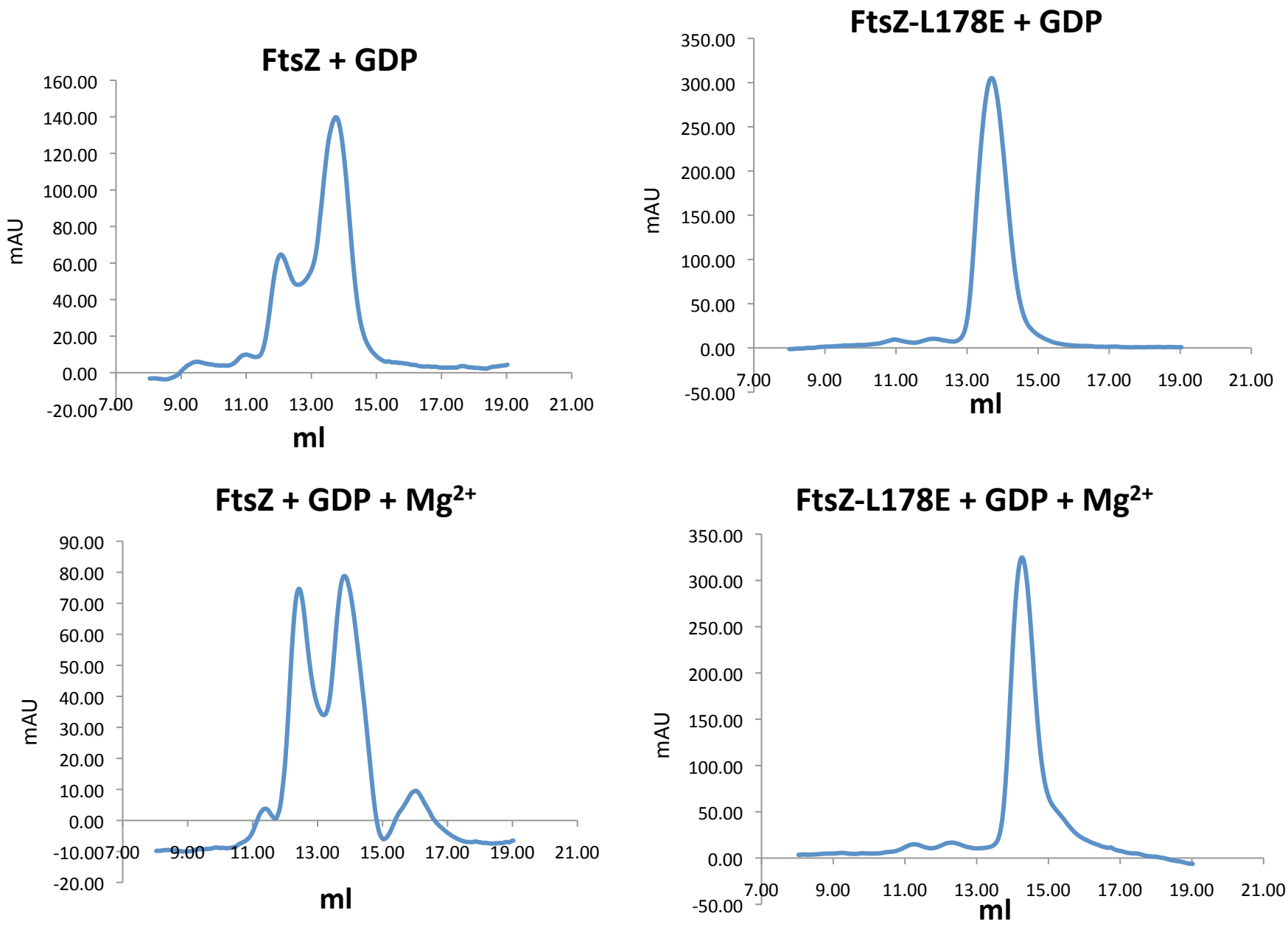
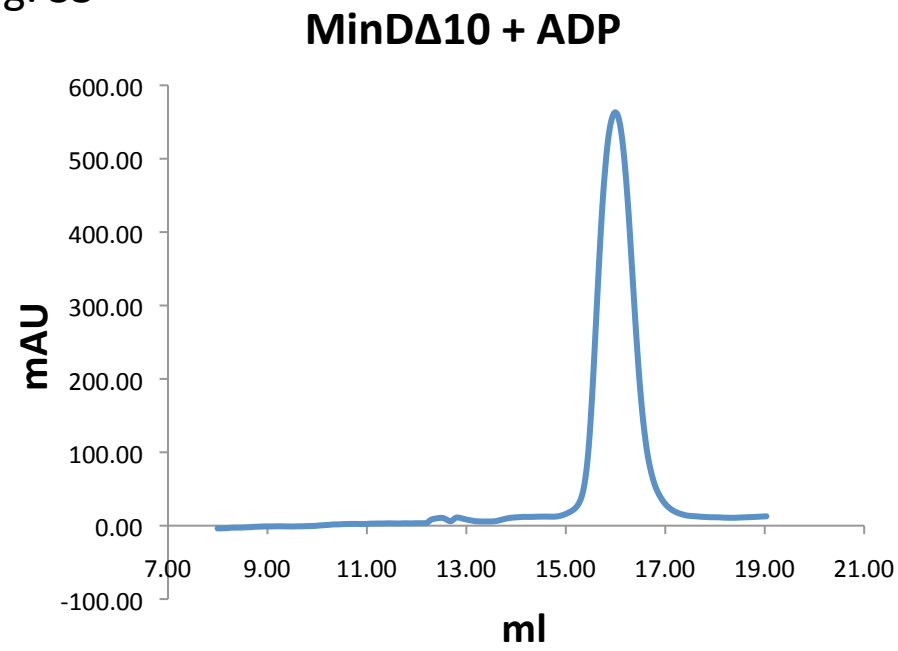
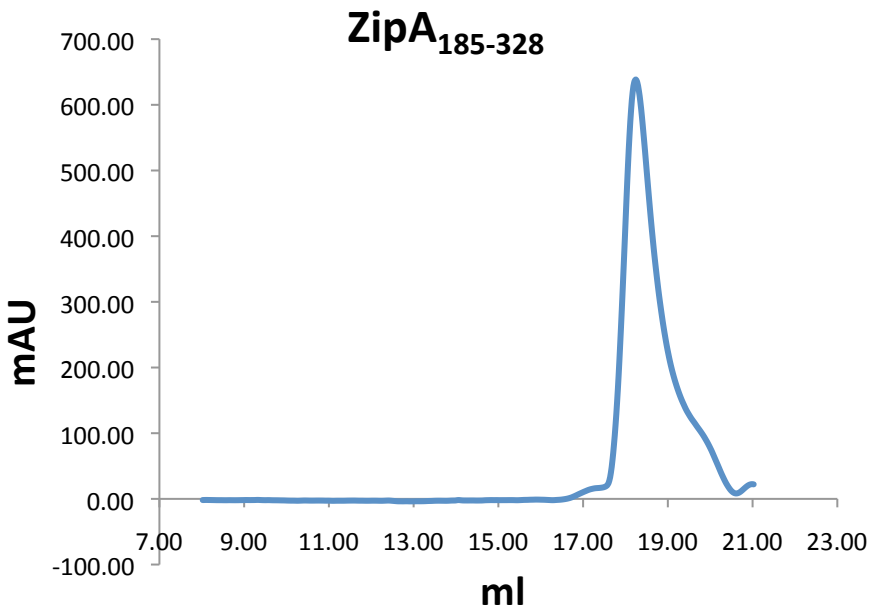

FtsZ + GDP
160.00
140.00
120.00
100.00
80.00
60.00
40.00
20.00
0.00
-20.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
ml
FtsZ-L178E + GDP
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
-50.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
ml
FtsZ + GDP + Mg2+
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
-20.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
ml
FtsZ-L178E + GDP + Mg2+
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
-50.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
ml

Fig. S3


MinDΔ10 + ADP
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
ml


ZipA185-328
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
-100.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
23.00
ml

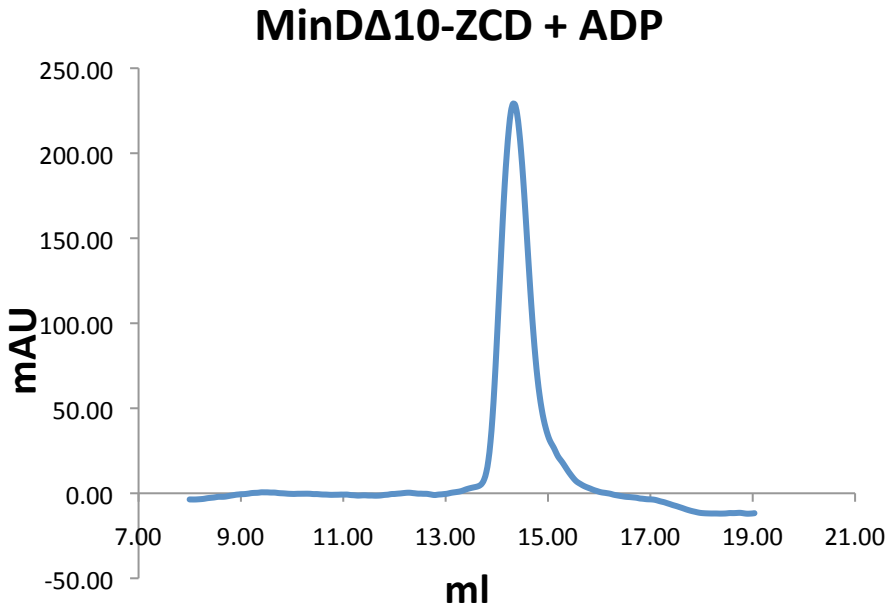
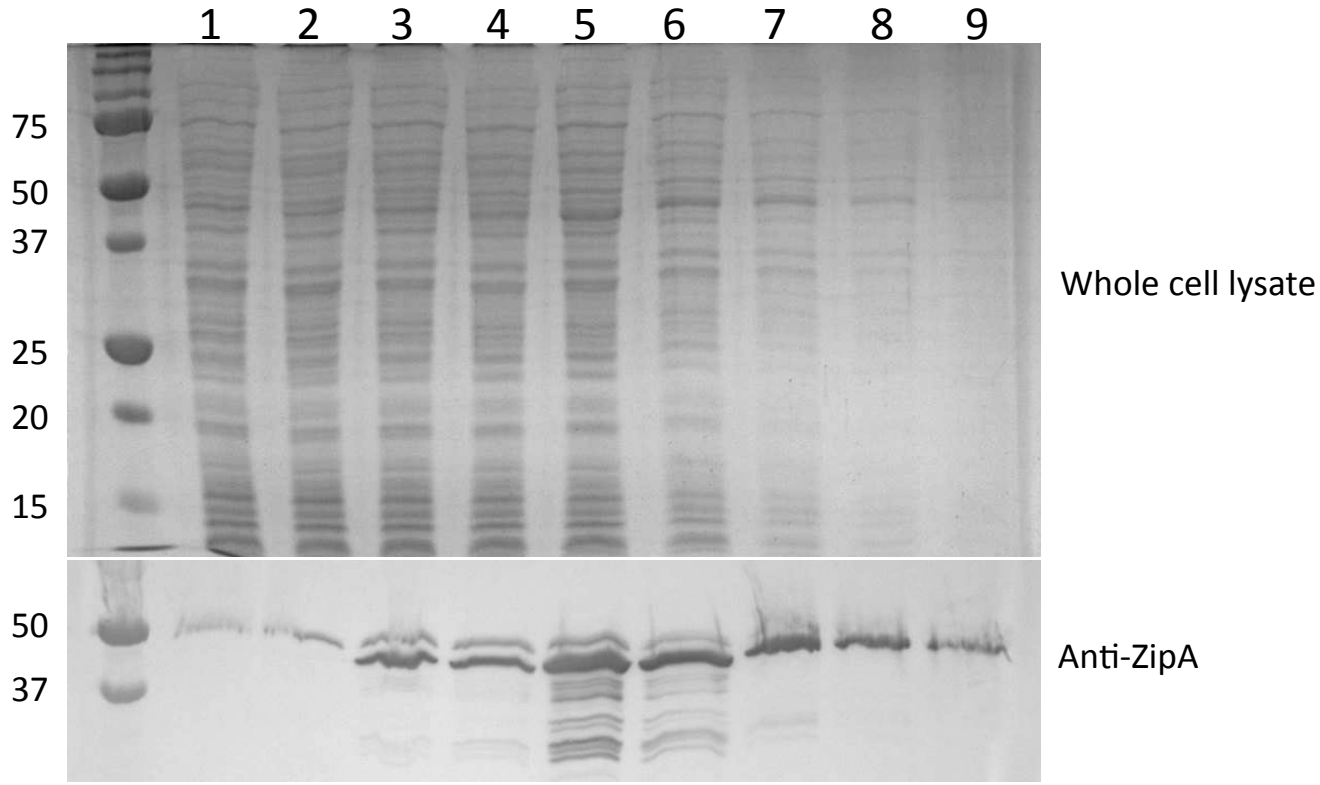

MinDΔ10-ZCD + ADP
250.00
200.00
150.00
100.00
50.00
0.00
-50.00
mAU
7.00
9.00
11.00
13.00
15.00
17.00
19.00
21.00
ml

Fig. S4



1: S4/pSD218-MinDΔ10-ZipA$_{185\text{-}328}$ glucose
2: S4/pSD218-MinD(K11A)Δ10-ZipA$_{185\text{-}328}$ glucose
3: S4/pSD218-MinDΔ10-ZipA$_{185\text{-}328}$ +40 µM IPTG
4: S4/pSD218-MinD(K11A)Δ10-ZipA$_{185\text{-}328}$ + 40 µM IPTG
5: S4/ S4/pSD218-MinD(K11A)Δ10-ZipA$_{185\text{-}328}$ 80 µM IPTG
6-9: 2× serial dilution of the sample in lane 5

Fig. S5

FtsZ binding to $ZipA_{185\text{-}328}$ on the biosensor at pH 8.0 with 200 mM KCl