



STRUCTURAL BIOLOGY  
COMMUNICATIONS

Volume 73 (2017)

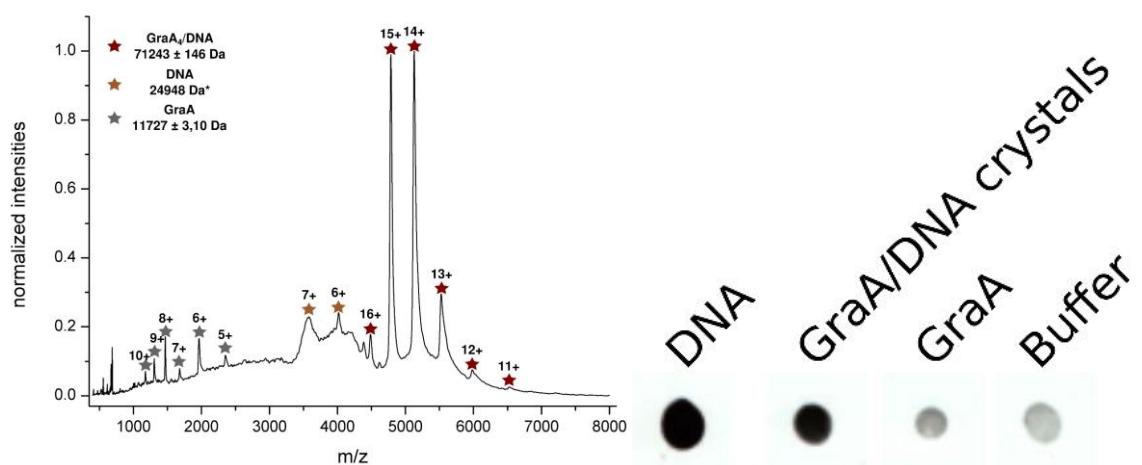
**Supporting information for article:**

**Production, biophysical characterization and crystallization of *Pseudomonas putida* GraA and its complexes with GraT and the *graTA* operator**

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**Table S1** Crystallization hits for GraA and its complexes.

Protein or complex	Screen	Buffer	Salt	Salt
GraA.	PROPLEX	0.1 M Na HEPES pH 7.0	0.1 M KCl	15 % w/v PEG5000-MME, 20% v/v glycerol
	PROPLEX	0.1 M MES pH 6.5	-	15 % w/v PEG6000, 5% v/v MPD, 15% glycerol.
	PROPLEX	0.1 M Na HEPES pH 7.5	0.1 M KCl	15 % w/v PEG6000, 20% v/v glycerol
	PROPLEX	0.1 M Na HEPES pH 7.0	-	18%w/vPEG12000, 20% v/v glycerol
	Hampton I + II	0.1 M HEPES pH 7.5	-	10% w/v PEG6,000, 5% v/v MPD, 20% glycerol
	JB CClassic	0.1 M Tris-HCl pH 8.5	0.2 M CaCl <sub>2</sub>	20%w/vPEG 4000, 15% v/v glycerol
GraTA	PEGRx	0.1 M Na acetate trihydrate pH 4.0	-	0.8 M Li <sub>2</sub> SO <sub>4</sub> , 4% w/v PEG 200
	PEGRx	0.1 M Bis-Tris propane pH 9.0	-	20% w/v PEG monomethyl ether 550
	PEGRx	0.1 M Na citrate tribasic pH 5.0	-	18% w/v PEG 20000
	JCSG	0.1 M citrate pH 4.0		0.8 M ammonium sulphate
	JCSG	-	0.2 M Mg formate	20% w/v PEG 3350
GraA-DNA	CS I&II	0.1 M MES monohydrate pH 6.5	1.6 M Amonium sulphate	10% v/v 1,4-Dioxane
	CS I&II	0.1 m HEPES Na pH 7.5	-	1.5 M Li-sulphate monohydrate
	JBScreen Classic 1-4	0.1 M Tris pH 8.5	0.2 M Li-sulphate	20% w/v PEG 4000
	JBScreen Classic 1-4	0.1 M tri-Na-citrate pH 5.6	-	10% w/v 2-propanol, 10% w/v PEG 4000
	JCSG	0.1 M Na-acetate pH 4.5	0.2 M Li-sulphate	50% w/v PEG 400
	JCSG	0.1 M HEPES pH 7.0	-	1.1 M Sodium malonate dibasic monohydrate, 0.5% w/v PEG 2000 MME



*Supplementary figure S1. (Left)* Native mass spectrum of the GraA-DNA complex. This spectrum contains major peaks corresponding to GraA-DNA complex (stoichiometry: 2 GraA dimers bound to 1 molecule of ds DNA next to smaller populations of GraA and DNA. The latter are likely the result from dissociation of the complex present in the crystals. *(Right)* Ethidium bromide staining experiment of redisolved GraA-DNA crystals with DNA, purified GraA and buffer (from the GraA purification) as control. Both the DNA sample and the redisolved crystals show a significant increased fluorescence compared to the other two samples.