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Supporting information for article:

**Crystallization of two operator complexes from the *Vibrio cholerae*
HigBA2 toxin–antitoxin module**

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Table S1 Crystallization hits for HigA2-DNA complexes.

Sequence number refers to the Table 3 in the main text.

Sequence no.	Crystallization screen	Precipitant solution	Diffraction limit (Å)
1 (17)	Pegrx B12	0.1 M Tris pH 8.0, 30% w/v Polyethylene glycol monomethyl ether 2,000	5
	Pegrx G1	0.10% w/v n-Octyl-b-D-glucoside, 0.1 M Sodium citrate tribasic dihydrate pH 5.5, 22% w/v Polyethylene glycol 3,350	/
	Pegrx A3	0.1 M HEPES pH 7.5, 42% v/v Polyethylene glycol 200	/
	Natrix B3	0.04 M Magnesium chloride hexahydrate, 0.05 M Sodium cacodylate trihydrate pH 6.0, 5% v/v (+/-)-2-Methyl-2,4-pentenediol	20
	Proplex B6	0.1 M Na HEPES 7, 10 % w/v PEG 4000, 10% v/v 2-propanol	30
	Proplex B11	15 % w/v PEG 4000, 0.1 M Na HEPES 7.0	12
	Morpheus B12	0.3M sodium fluoride, 0.3M sodium bromide, 0.3M sodium iodide, 0.1M bicine/Trizma base pH 8.5 , 12.5% w/v PEG 1000, 12.5% w/v PEG 3350, 12.5% v/v MPD	/
	Morpheus F7	0.2 M d-glucose, 0.2 M d-mannose, 0.2M d-galactose, 0.2M l-fucose, 0.2M d-xylose, 0.2M N-acetyl-d-glucosamine, 0.1M MOPS/HEPES-Na pH 7.5, 10% w/v PEG 4000, 20% v/v glycerol	5
	Proplex F6	15% w/v PEG 20000, 0.1 M Na HEPES 7.0	3.7
Proplex E9	0.2 M sodium chloride, 0.1 M Na HEPES pH 7.5, 12 % w/v PEG 8000	2.3	
3 (17 C/G)	Proplex C8	0.2 M sodium chloride, 0.1 M Tris pH 8, 20 % w/v PEG 4000	/
6 (18 T/A)	Proplex D1	0.2 M sodium chloride, 0.1 M Na HEPES pH 7.5, 25 % w/v PEG 4000	/
7 (18 C/GC)	Morpheus C5	0.3M sodium nitrate, 0.3M disodium hydrogen phosphate, 0.3M ammonium sulfate, 0.1M MOPS/HEPES-Na pH 7.5, 10% w/v PEG 20000, 20% v/v PEG MME 550	9
	Proplex C6	0.15 M ammonium sulfate, 0.1 M Na HEPES pH 7, 20 % w/v PEG 4000	8

	Morpheus D9	0.2M 1,6-hexanediol, 0.2M 1-butanol, 0.2M (RS)-1,2-propanediol, 0.2M 2-propanol, 0.2M 1,4-butanediol, 0.2M 1,3-propanediol, 0.1M bicine/Trizma base pH 8.5, 10% w/v PEG 20000, 20% v/v PEG MME 550	/
	Morpheus E5	0.3M diethyleneglycol, 0.3M triethyleneglycol, 0.3M tetraethyleneglycol, 0.3M pentaethyleneglycol, 0.1M MOPS/HEPES-Na pH 7.5, 10% w/v PEG 20000, 20% v/v PEG MME 550	/
	Pegrx A11	0.1 M Imidazole pH 7.0, 25% Polyethylene glycol monomethyl ether 550	11
9 (19 C/G)	Morpheus A5	0.3M magnesium chloride, 0.3M calcium chloride, 0.1M MOPS/HEPES-Na pH 7.5, 10% w/v PEG 20000, 20% v/v PEG MME 550	/
	Proplex G10	1.6 M Na/K hydrogen phosphate pH 6.5	3.5
	Proplex C6	0.15 M ammonium sulfate, 0.1 M Na HEPES pH 7, 20 % w/v PEG 4000	8
	Morpheus D1	0.2M 1,6-hexanediol, 0.2M 1-butanol, 0.2M (RS)-1,2-propanediol, 0.2M 2-propanol, 0.2M 1,4-butanediol, 0.2M 1,3-propanediol, 0.1M MES/imidazole pH 6.5, 10% w/v PEG	/

Table S2 Crystallization hits for HigBA2ΔHis-DNA complexes.

The sequence number refers to the Table 3 in the main text.

Sequence no.	Crystallization screen	Precipitant solution	Diffraction
11 (31 C/G)	Morpheus F7	0.2 M d-glucose, 0.2M d-mannose, 0.2M d-galactose, 0.2M l-fucose, 0.2M d-xylose, 0.2M N-acetyl-d-glucosamine, 0.1M MOPS/HEPES-Na pH 7.5, 10% w/v PEG 4000, 20% v/v glycerol	12
	Morpheus G3	0.2 M sodium formate, 0.2M ammonium acetate, 0.2M trisodium citrate, 0.2M sodium potassium l-tartrate, 0.2M sodium oxamate, 0.1M MES/imidazole pH 6.5, 10% w/v PEG 4000, 20% v/v glycerol	13
	Proplex E2	0.1 M sodium citrate pH 5, 8% w/v PEG 8000	13
	Proplex C12	0.2 M potassium iodide, 0.1 M MES pH 6.5, 25% w/v PEG 4000	3.3
	Proplex E3	0.1 M sodium chloride. 0.1 M sodium cacodylate, 8% w/v PEG 8000	20
	Index F6	0.2 M Ammonium sulfate, 0.1 M BIS-TRIS pH 5.5, 25% w/v Polyethylene glycol 3,350	14
	Pegrx H11	0.2 M Magnesium chloride hexahydrate, 0.1 M Sodium citrate tribasic dihydrate pH 5.0, 10% w/v Polyethylene glycol 20,000	/
10 (31 T/A)	Pegrx H4	15% v/v 2-Propanol, 0.1 M Sodium citrate tribasic dihydrate pH 5.0, 10% w/v Polyethylene glycol 10,000	3.5
	Pegrx C11	0.1 M BIS-TRIS pH 6.5, 20% w/v Polyethylene glycol monomethyl ether 5,000	7
12 (33)	Proplex, A5	15% v/v PEG550 MME, 0.1 M MES pH 6.5	/
	Proplex, E7	0.1 M sodium phosphate pH 6.5, 12 % w/v PEG 8000	12
	Proplex, D7	0.1 M sodium citrate pH 5.5, 15 % w/v PEG 6000	9