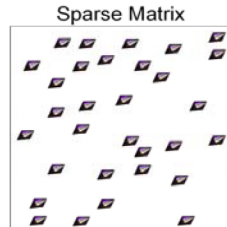
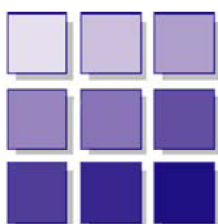


Structure Screen 1

Conditions 1-50

MD1-01

Tube #	Conc.	Salt	Conc.	Buffer	pH	Conc.	Precipitant
A1	1	0.02 M Calcium chloride dihydrate	0.1 M	Sodium acetate	4.6	30 % v/v	MPD
A2	2	0.2 M Ammonium acetate	0.1 M	Sodium acetate	4.6	30 % w/v	PEG 4000
A3	3	0.2 M Ammonium sulfate	0.1 M	Sodium acetate	4.6	25 % w/v	PEG 4000
A4	4	2.0 M Sodium formate	0.1 M	Sodium acetate	4.6		
A5	5	2.0 M Ammonium sulfate	0.1 M	Sodium acetate	4.6		
A6	6		0.1 M	Sodium acetate	4.6	8 % w/v	PEG 4000
A7	7	0.2 M Ammonium acetate	0.1 M	Sodium citrate	5.6	30 % w/v	PEG 4000
A8	8	0.2 M Ammonium acetate	0.1 M	Sodium citrate	5.6	30 % v/v	MPD
A9	9		0.1 M	Sodium citrate	5.6	20 % w/v	PEG 4000
						20 % v/v	2-Propanol
A10	10	1.0 M Ammonium phosphate monobasic	0.1 M	Sodium citrate	5.6		
A11	11	0.2 M Calcium chloride dihydrate	0.1 M	Sodium acetate	4.6	20 % v/v	2-Propanol
A12	12	1.4 M Sodium acetate trihydrate	0.1 M	Sodium cacodylate	6.5		
B1	13	0.2 M Sodium citrate tribasic dihydrate	0.1 M	Sodium cacodylate	6.5	30 % v/v	2-Propanol
B2	14	0.2 M Ammonium sulfate	0.1 M	Sodium cacodylate	6.5	30 % w/v	PEG 8000
B3	15	0.2 M Magnesium acetate tetrahydrate	0.1 M	Sodium cacodylate	6.5	20 % w/v	PEG 8000
B4	16	0.2 M Magnesium acetate tetrahydrate	0.1 M	Sodium cacodylate	6.5	30 % v/v	MPD
B5	17	1.0 M Sodium acetate trihydrate	0.1 M	Imidazole	6.5		
B6	18	0.2 M Sodium acetate trihydrate	0.1 M	Sodium cacodylate	6.5	30 % w/v	PEG 8000
B7	19	0.2 M Zinc acetate dihydrate	0.1 M	Sodium cacodylate	6.5	18 % w/v	PEG 8000
B8	20	0.2 M Calcium acetate hydrate	0.1 M	Sodium cacodylate	6.5	18 % w/v	PEG 8000
B9	21	0.2 M Sodium citrate tribasic dihydrate	0.1 M	Sodium HEPES	7.5	30 % v/v	MPD
B10	22	0.2 M Magnesium chloride hexahydrate	0.1 M	Sodium HEPES	7.5	30 % v/v	2-Propanol
B11	23	0.2 M Calcium chloride dihydrate	0.1 M	Sodium HEPES	7.5	28 % v/v	PEG 400
B12	24	0.2 M Magnesium chloride hexahydrate	0.1 M	Sodium HEPES	7.5	30 % v/v	PEG 400
C1	25	0.2 M Sodium citrate tribasic dihydrate	0.1 M	Sodium HEPES	7.5	20 % v/v	2-Propanol
C2	26	0.8 M Potassium sodium tartrate tetrahydrate	0.1 M	Sodium HEPES	7.5		
C3	27	1.5 M Lithium sulfate	0.1 M	Sodium HEPES	7.5		
C4	28	0.8 M Sodium phosphate monobasic monohydrate	0.1 M	Sodium HEPES	7.5		
		0.8 M Potassium phosphate monobasic					
C5	29	1.4 M Sodium citrate tribasic dihydrate	0.1 M	Sodium HEPES	7.5		
C6	30	2.0 M Ammonium sulfate	0.1 M	Sodium HEPES	7.5	2 % v/v	PEG 400
C7	31		0.1 M	Sodium HEPES	7.5	20 % w/v	PEG 4000
						10 % v/v	2-Propanol
C8	32	2.0 M Ammonium sulfate	0.1 M	Tris	8.5		
C9	33	0.2 M Magnesium chloride hexahydrate	0.1 M	Tris	8.5	30 % w/v	PEG 4000
C10	34	0.2 M Sodium citrate tribasic dihydrate	0.1 M	Tris	8.5	30 % v/v	PEG 400
C11	35	0.2 M Lithium sulfate	0.1 M	Tris	8.5	30 % w/v	PEG 4000
C12	36	0.2 M Ammonium acetate	0.1 M	Tris	8.5	30 % v/v	2-Propanol
D1	37	0.2 M Sodium acetate trihydrate	0.1 M	Tris	8.5	30 % w/v	PEG 4000
D2	38		0.1 M	Tris	8.5	8 % w/v	PEG 8000
D3	39	2.0 M Ammonium phosphate monobasic	0.1 M	Tris	8.5		
D4	40	0.4 M Potassium sodium tartrate tetrahydrate					
D5	41	0.4 M Ammonium phosphate monobasic					
D6	42	0.2 M Ammonium sulfate				30 % w/v	PEG 8000
D7	43	0.2 M Ammonium sulfate				30 % w/v	PEG 4000
D8	44	2.0 M Ammonium sulfate					
D9	45	4.0 M Sodium formate					
D10	46	0.05 M Potassium phosphate monobasic					
D11	47					30 % w/v	PEG 1500
D12	48	0.2 M Magnesium formate dihydrate					
	49	1.0 M Lithium sulfate				2 % w/v	PEG 8000
	50	0.5 M Lithium sulfate				15 % w/v	PEG 8000



Structure Screen 2

MD1-02

	Tube No.	Salt	Buffer	pH	Precipitant
E1	1	0.1 M sodium chloride	0.1 M Bicine	9.0	30 % v/v PEG 550 MME
E2	2	None	0.1 M Bicine	9.0	2.0 M magnesium chloride
E3	3	None	0.1 M Bicine	9.0	2 % v/v 1,4-Dioxane/10 % w/v PEG 20,000
E4	4	0.2 M magnesium chloride	0.1 M Tris	8.5	3.4 M 1,6-hexanediol
E5	5	None	0.1 M Tris	8.5	25 % v/v tert-butanol
E6	6	0.01 M nickel chloride	0.1 M Tris	8.5	1.0 M lithium sulfate
E7	7	1.5 M ammonium sulfate	0.1 M Tris	8.5	12 % v/v glycerol
E8	8	0.2 M ammonium dihydrogen phosphate	0.1 M Tris	8.5	50 % v/v MPD
E9	9	None	0.1 M Tris	8.5	20 % v/v ethanol
E10	10	0.01 M nickel chloride	0.1 M Tris	8.5	20 % w/v PEG 2000 MME
E11	11	0.5 M ammonium sulfate	0.1 M Na HEPES	7.5	30 % v/v MPD
E12	12	None	0.1 M Na HEPES	7.5	10 % w/v PEG 6000, 5% v/v MPD
F1	13	None	0.1 M Na HEPES	7.5	20 % v/v Jeffamine M-600
F2	14	0.1 M sodium chloride	0.1 M Na HEPES	7.5	1.6 M ammonium sulfate
F3	15	None	0.1 M Na HEPES	7.5	2.0 M ammonium formate
F4	16	0.05 M cadmium sulfate	0.1 M Na HEPES	7.5	1.0 M sodium acetate
F5	17	None	0.1 M Na HEPES	7.5	70 % v/v MPD
F6	18	None	0.1 M Na HEPES	7.5	4.3 M sodium chloride
F7	19	None	0.1 M Na HEPES	7.5	10 % w/v PEG 8000, 8 % v/v ethylene glycol
F8	20	None	0.1 M MES	6.5	1.6 M magnesium sulfate
F9	21	0.1 M potassium phosphate + 0.1 M sodium phosphate	0.1 M MES	6.5	2.0 M sodium chloride
F10	22	None	0.1 M MES	6.5	12 % w/v PEG 20,000
F11	23	1.6 M ammonium sulfate	0.1 M MES	6.5	10 % v/v Dioxane
F12	24	0.05 M caesium chloride	0.1 M MES	6.5	30 % v/v Jeffamine M-600
G1	25	0.01 M cobalt chloride	0.1 M MES	6.5	1.8 M ammonium sulfate
G2	26	0.2 M ammonium sulfate	0.1 M MES	6.5	30 % w/v PEG 5000 MME
G3	27	0.01 M zinc sulfate	0.1 M MES	6.5	25 % v/v PEG 550 MME
G4	28	None	0.1 M Na HEPES	7.5	20 % w/v PEG 10,000
G5	29	0.2 M potassium sodium tartrate	0.1 M Na citrate	5.6	2.0 M ammonium sulfate
G6	30	0.5 M ammonium sulfate	0.1 M Na citrate	5.6	1.0 M lithium sulfate
G7	31	0.5 M sodium chloride	0.1 M Na citrate	5.6	4 % v/v polyethyleneimine
G8	32	None	0.1 M Na citrate	5.6	35 % v/v tert-butanol
G9	33	0.01 M ferric chloride	0.1 M Na citrate	5.6	10 % v/v Jeffamine M-600
G10	34	0.01 M manganese chloride	0.1 M Na citrate	5.6	2.5 M 1,6-hexanediol
G11	35	None	0.1 M Na acetate	4.6	2.0 M sodium chloride
G12	36	0.2 M sodium chloride	0.1 M Na acetate	4.6	30 % v/v MPD
H1	37	0.01 M cobalt chloride	0.1 M Na acetate	4.6	1.0 M 1,6-hexanediol
H2	38	0.1 M cadmium chloride	0.1 M Na acetate	4.6	30 % v/v PEG 400
H3	39	0.2 M ammonium sulfate	0.1 M Na acetate	4.6	30 % w/v PEG 2000 MME
H4	40	2.0 M sodium chloride	None	None	10 % w/v PEG 6000
H5	41	0.01 M CTAB	None	None	0.5 M sodium chloride, 0.1 M magnesium chloride
H6	42	None	None	None	25 % v/v ethylene glycol
H7	43	None	None	None	35 % v/v dioxane
H8	44	2.0 M ammonium sulfate	None	None	5 % v/v 2-propanol
H9	45	None	None	None	1.0 M imidazole pH 7.0
H10	46	None	None	None	10 % w/v PEG 1000, 10 % w/v PEG 8000
H11	47	1.5 M sodium chloride	None	None	10 % v/v ethanol
H12	48	None	None	None	1.6 M sodium citrate pH 6.5
	49	15 % w/v polyvinylpyrrolidone	None	None	None
	50	2.0 M urea	None	None	None

Abbreviations:

Bicine; N,N-Bis(2-hydroxyethyl)glycine, **CTAB**; cetyltrimethylammonium bromide, **Na HEPES**; 2-(4-(2-Hydroxyethyl)-1-piperazinyl)ethanesulfonic Acid Sodium Salt, **MES**; 2-(N-morpholino)ethanesulfonic acid, **MME**; Monomethylether, **MPD**; 2,4-methyl pentanediol, **PEG**; Polyethylene glycol, **Tris**; 2-Amino-2-(hydroxymethyl)propane-1,3-diol,