

	WIZARD I						WIZARD II					
	1	2	3	4	5	6	7	8	9	10	11	12
A	1	9	17	25	33	41	1	9	17	25	33	41
B	2	10	18	26	34	42	2	10	18	26	34	42
C	3	11	19	27	35	43	3	11	19	27	35	43
D	4	12	20	28	36	44	4	12	20	28	36	44
E	5	13	21	29	37	45	5	13	21	29	37	45
F	6	14	22	30	38	46	6	14	22	30	38	46
G	7	15	23	31	39	47	7	15	23	31	39	47
H	8	16	24	32	40	48	8	16	24	32	40	48

### Wizard I random sparse matrix crystallization screen

	<u>crystallant</u>	<u>buffer (0.1 M)</u>	<u>salt (0.2M)</u>	
1	20% (w/v) PEG-8000	CHES pH 9.5	none	A1
2	10% (v/v) 2-propanol	HEPES pH 7.5	NaCl	B1
3	15% (v/v) ethanol	CHES pH 9.5	none	C1
4	35% (v/v) 2-methyl-2,4-pentanediol	imidazole pH 8.0	MgCl <sub>2</sub>	D1
5	30% (v/v) PEG-400	CAPS pH 10.5	none	E1
6	20% (w/v) PEG-3000	citrate pH 5.5	none	F1
7	10% (w/v) PEG-8000	MES pH 6.0	Zn(OAc) <sub>2</sub>	G1
8	2.0 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	citrate pH 5.5	none	H1
9	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	acetate pH 4.5	none	A2
10	20% (w/v) PEG-2000 MME	Tris pH 7.0	none	B2
11	20% (v/v) 1,4-butanediol	MES pH 6.0	Li <sub>2</sub> SO <sub>4</sub>	C2
12	20% (w/v) PEG-1000	imidazole pH 8.0	Ca(OAc) <sub>2</sub>	D2
13	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	cacodylate pH 6.5	none	E2
14	1.0 M sodium citrate	cacodylate pH 6.5	none	F2
15	10% (w/v) PEG-3000	imidazole pH 8.0	Li <sub>2</sub> SO <sub>4</sub>	G2
16	2.5 M NaCl	Na/K phosphate pH 6.2	none	H2
17	30% (w/v) PEG-8000	acetate pH 4.5	Li <sub>2</sub> SO <sub>4</sub>	A3
18	1.0 M K/Na tartrate	imidazole pH 8.0	NaCl	B3
19	20% (w/v) PEG-1000	Tris pH 7.0	none	C3
20	0.4 M NaH <sub>2</sub> PO <sub>4</sub> /1.6 M K <sub>2</sub> HPO <sub>4</sub>	imidazole pH 8.0	NaCl	D3
21	20% (w/v) PEG-8000	HEPES pH 7.5	none	E3

22	10% (v/v) 2-propanol	Tris pH 8.5	none	F3
23	15% (v/v) ethanol	imidazole pH 8.0	MgCl <sub>2</sub>	G3
24	35% (v/v) 2-methyl-2,4-pentanediol	Tris pH 7.0	NaCl	H3
25	30% (v/v) PEG-400	Tris pH 8.5	MgCl <sub>2</sub>	A4
26	10% (w/v) PEG-3000	CHES pH 9.5	none	B4
27	1.2 M NaH <sub>2</sub> PO <sub>4</sub> /0.8 M K <sub>2</sub> HPO <sub>4</sub>	CAPS pH 10.5	Li <sub>2</sub> SO <sub>4</sub>	C4
28	20% (w/v) PEG-3000	HEPES pH 7.5	NaCl	D4
29	10% (w/v) PEG-8000	CHES pH 9.5	NaCl	E4
30	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	acetate pH 4.5	NaCl	F4
31	20% (w/v) PEG-8000	phosphate-citrate pH 4.2	NaCl	G4
32	10% (w/v) PEG-3000	Na/K phosphate pH 6.2	none	H4
33	2.0 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	CAPS pH 10.5	Li <sub>2</sub> SO <sub>4</sub>	A5
34	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	imidazole pH 8.0	none	B5
35	20% (v/v) 1,4-butanediol	acetate pH 4.5	none	C5
36	1.0 M sodium citrate	imidazole pH 8.0	none	D5
37	2.5 M NaCl	imidazole pH 8.0	none	E5
38	1.0 M K/Na tartrate	CHES pH 9.5	Li <sub>2</sub> SO <sub>4</sub>	F5
39	20% (w/v) PEG-1000	phosphate-citrate pH 4.2	Li <sub>2</sub> SO <sub>4</sub>	G5
40	10% (v/v) 2-propanol	MES pH 6.0	Ca(OAc) <sub>2</sub>	H5
41	30% (w/v) PEG-3000	CHES pH 9.5	none	A6
42	15% (v/v) ethanol	Tris pH 7.0	none	B6
43	35% (v/v) 2-methyl-2,4-pentanediol	Na/K phosphate pH 6.2	none	C6
44	30% (v/v) PEG-400	acetate pH 4.5	Ca(OAc) <sub>2</sub>	D6
45	20% (w/v) PEG-3000	acetate pH 4.5	none	E6
46	10% (w/v) PEG-8000	imidazole pH 8.0	Ca(OAc) <sub>2</sub>	F6
47	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	G6
48	20% (w/v) PEG-1000	acetate pH 4.5	Zn(OAc) <sub>2</sub>	H6

### Wizard II random sparse matrix crystallization screen

	<u>crystallant</u>	<u>buffer (0.1 M)</u>	<u>salt (0.2 M)</u>	
1	10% (w/v) PEG-3000	acetate pH 4.5	Zn(OAc) <sub>2</sub>	A7
2	35% (v/v) 2-methyl-2,4-pentanediol	MES pH 6.0	Li <sub>2</sub> SO <sub>4</sub>	B7
3	20% (w/v) PEG-8000	Tris pH 8.5	MgCl <sub>2</sub>	C7
4	2.0 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	cacodylate pH 6.5	NaCl	D7
5	20% (v/v) 1,4-butanediol	HEPES pH 7.5	NaCl	E7

<b>6</b>	10% (v/v) 2-propanol	phosphate-citrate pH 4.2	Li <sub>2</sub> SO <sub>4</sub>	<b>F7</b>
<b>7</b>	30% (w/v) PEG-3000	Tris pH 7.0	NaCl	<b>G7</b>
<b>8</b>	10% (w/v) PEG-8000	Na/K phosphate pH 6.2	NaCl	<b>H7</b>
<b>9</b>	2.0 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	phosphate-citrate pH 4.2	none	<b>A8</b>
<b>10</b>	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	Tris pH 8.5	none	<b>B8</b>
<b>11</b>	10% (v/v) 2-propanol	cacodylate pH 6.5	Zn(OAc) <sub>2</sub>	<b>C8</b>
<b>12</b>	30% (v/v) PEG-400	cacodylate pH 6.5	Li <sub>2</sub> SO <sub>4</sub>	<b>D8</b>
<b>13</b>	15% (v/v) ethanol	citrate pH 5.5	Li <sub>2</sub> SO <sub>4</sub>	<b>E8</b>
<b>14</b>	20% (w/v) PEG-1000	Na/K phosphate pH 6.2	NaCl	<b>F8</b>
<b>15</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	HEPES pH 7.5	none	<b>G8</b>
<b>16</b>	1.0 M sodium citrate	CHES pH 9.5	none	<b>H8</b>
<b>17</b>	2.5 M NaCl	Tris pH 7.0	MgCl <sub>2</sub>	<b>A9</b>
<b>18</b>	20% (w/v) PEG-3000	Tris pH 7.0	Ca(OAc) <sub>2</sub>	<b>B9</b>
<b>19</b>	1.6 M NaH <sub>2</sub> PO <sub>4</sub> /0.4 M K <sub>2</sub> HPO <sub>4</sub>	phosphate-citrate pH 4.2	none	<b>C9</b>
<b>20</b>	15% (v/v) ethanol	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>D9</b>
<b>21</b>	35% (v/v) 2-methyl-2,4-pentanediol	acetate pH 4.5	none	<b>E9</b>
<b>22</b>	10% (v/v) 2-propanol	imidazole pH 8.0	none	<b>F9</b>
<b>23</b>	15% (v/v) ethanol	HEPES pH 7.5	MgCl <sub>2</sub>	<b>G9</b>
<b>24</b>	30% (w/v) PEG-8000	imidazole pH 8.0	NaCl	<b>H9</b>
<b>25</b>	35% (v/v) 2-methyl-2,4-pentanediol	HEPES pH 7.5	NaCl	<b>A10</b>
<b>26</b>	30% (v/v) PEG-400	CHES pH 9.5	none	<b>B10</b>
<b>27</b>	10% (w/v) PEG-3000	cacodylate pH 6.5	MgCl <sub>2</sub>	<b>C10</b>
<b>28</b>	20% (w/v) PEG-8000	MES pH 6.0	Ca(OAc) <sub>2</sub>	<b>D10</b>
<b>29</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	CHES pH 9.5	NaCl	<b>E10</b>
<b>30</b>	20% (v/v) 1,4-butanediol	imidazole pH 8.0	Zn(OAc) <sub>2</sub>	<b>F10</b>
<b>31</b>	1.0 M sodium citrate	Tris pH 7.0	NaCl	<b>G10</b>
<b>32</b>	20% (w/v) PEG-1000	Tris pH 8.5	none	<b>H10</b>
<b>33</b>	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	citrate pH 5.5	NaCl	<b>A11</b>
<b>34</b>	10% (w/v) PEG-8000	imidazole pH 8.0	none	<b>B11</b>
<b>35</b>	0.8 M NaH <sub>2</sub> PO <sub>4</sub> /1.2 M K <sub>2</sub> HPO <sub>4</sub>	acetate pH 4.5	none	<b>C11</b>
<b>36</b>	10% (w/v) PEG-3000	phosphate-citrate pH 4.2	NaCl	<b>D11</b>
<b>37</b>	1.0 M K/Na tartrate	Tris pH 7.0	Li <sub>2</sub> SO <sub>4</sub>	<b>E11</b>
<b>38</b>	2.5 M NaCl	acetate pH 4.5	Li <sub>2</sub> SO <sub>4</sub>	<b>F11</b>
<b>39</b>	20% (w/v) PEG-8000	CAPS pH 10.5	NaCl	<b>G11</b>
<b>40</b>	20% (w/v) PEG-3000	imidazole pH 8.0	Zn(OAc) <sub>2</sub>	<b>H11</b>
<b>41</b>	2.0 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Tris pH 7.0	Li <sub>2</sub> SO <sub>4</sub>	<b>A12</b>

<b>42</b>	30% (v/v) PEG-400	HEPES pH 7.5	NaCl	<b>B12</b>
<b>43</b>	10% (w/v) PEG-8000	Tris pH 7.0	MgCl <sub>2</sub>	<b>C12</b>
<b>44</b>	20% (w/v) PEG-1000	cacodylate pH 6.5	MgCl <sub>2</sub>	<b>D12</b>
<b>45</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	MES pH 6.0	none	<b>E12</b>
<b>46</b>	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	imidazole pH 8.0	NaCl	<b>F12</b>
<b>47</b>	2.5 M NaCl	imidazole pH 8.0	Zn(OAc) <sub>2</sub>	<b>G12</b>
<b>48</b>	1.0 M K/Na tartrate	MES pH 6.0	none	<b>H12</b>