

## **Supplementary Information**

### **Evaluation of Parameters for High Efficiency Transformation of *Acinetobacter baumannii***

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**Supplemental Table S1. Transformation efficiency in replicate run of DOE1**

Run#	OD600	V(kV/cm)	R (Ohms)	[DNA] ng	[Mg <sup>++</sup> ] (mM)	Transformants/ $\mu$ g DNA	AVERAGE (n=3)	STDEV
1	4.5	10	400	100	0.5	7.83E+05	8.51E+05	8.61E+04
2	4.5	10	400	100	0.5	8.23E+05		
3	4.5	10	400	100	0.5	9.48E+05		
4	0.1	10	100	100	2	1.00E+04	1.03E+04	5.77E+02
5	0.1	10	100	100	2	1.00E+04		
6	0.1	10	100	100	2	1.10E+04		
7	4.5	10	100	25	2	0.00E+00	0.00E+00	0.00E+00
8	4.5	10	100	25	2	0.00E+00		
9	4.5	10	100	25	2	0.00E+00		
10	0.1	10	400	25	0.5	5.60E+04	4.80E+04	8.00E+03
11	0.1	10	400	25	0.5	4.80E+04		
12	0.1	10	400	25	0.5	4.00E+04		
13	0.1	18	400	25	2	0.00E+00	0.00E+00	0.00E+00
14	0.1	18	400	25	2	0.00E+00		
15	0.1	18	400	25	2	0.00E+00		
16	4.5	18	100	25	0.5	2.62E+05	9.65E+05	6.10E+05
17	4.5	18	100	25	0.5	1.35E+06		
18	4.5	18	100	25	0.5	1.28E+06		
19	0.1	18	100	100	0.5	3.40E+04	4.17E+04	6.66E+03
20	0.1	18	100	100	0.5	4.50E+04		
21	0.1	18	100	100	0.5	4.60E+04		
22	4.5	18	400	100	2	3.00E+02	4.10E+03	6.84E+03
23	4.5	18	400	100	2	0.00E+00		
24	4.5	18	400	100	2	1.20E+04		
25	0.5	14	200	50	1	2.00E+04	2.27E+04	2.31E+03
26	0.5	14	200	50	1	2.40E+04		
27	0.5	14	200	50	1	2.40E+04		

**Supplemental Table S2. Transformation efficiency in replicate run of DOE2**

Run#	OD600	V (kV/cm)	R (Ohms)	DNA (ng)	[Mg <sup>++</sup> ] (mM)	Transformants/ $\mu$ g DNA	AVERAGE (n=3)	STDEV
1	6	10	300	100	0	1.91E+07	2.33E+07	4.11E+06
2	6	10	300	100	0	2.36E+07		
3	6	10	300	100	0	2.73E+07		
4	2	10	100	100	0.5	8.98E+06	1.21E+07	5.32E+06
5	2	10	100	100	0.5	1.82E+07		
6	2	10	100	100	0.5	8.98E+06		
7	6	10	100	25	0.5	5.20E+04	6.27E+04	2.57E+04
8	6	10	100	25	0.5	4.40E+04		
9	6	10	100	25	0.5	9.20E+04		
10	2	10	300	25	0	3.59E+07	4.82E+07	2.13E+07
11	2	10	300	25	0	7.28E+07		
12	2	10	300	25	0	3.59E+07		
13	2	18	300	25	0.5	1.35E+06	1.41E+06	5.11E+04
14	2	18	300	25	0.5	1.42E+06		
15	2	18	300	25	0.5	1.45E+06		
16	6	18	100	25	0	4.28E+08	4.44E+08	1.60E+07
17	6	18	100	25	0	4.44E+08		
18	6	18	100	25	0	4.60E+08		
19	2	18	100	100	0	2.83E+07	2.61E+07	7.06E+06
20	2	18	100	100	0	3.18E+07		
21	2	18	100	100	0	1.82E+07		
22	6	18	300	100	0.5	1.11E+06	9.33E+05	1.65E+05
23	6	18	300	100	0.5	9.05E+05		
24	6	18	300	100	0.5	7.83E+05		
25	4.5	14	200	50	0.1	7.20E+06	6.89E+06	2.80E+05
26	4.5	14	200	50	0.1	6.80E+06		
27	4.5	14	200	50	0.1	6.66E+06		