

Table S5. Evaluation of component effects and interactions in SP1 media on CFA/I expression and bacterial density

A. CFA/I surface expression					B. Bacterial density				
	Component	Coefficient^a	St. Dev.	p-val (%)[*]		Component	Coefficient^a	St. Dev.	p-val (%)[*]
Linear	Lincomycin	1.382	0.212	< 0.01	Linear	Glucose	0.387	0.055	< 0.01
	pH	0.924	0.210	0.104		PGM	0.278	0.054	0.0340
	PGM	0.904	0.209	0.118		Glutamine	0.138	0.055	3.03
	EGTA	0.352	0.212	12.6		Lincomycin	-0.104	0.055	8.6
	Glucose	-0.197	0.212	37.4		EGTA	0.043	0.055	45.3
	Glutamine	0.118	0.213	59.1		pH	0.032	0.055	56.5
	FeSO ₄	-0.123	0.212	57.2		FeSO ₄	0.005	0.055	93.5
Squared	pH	-2.374	0.462	0.032	Squared	Glucose	-0.747	0.121	< 0.01
	Glutamine	-1.081	0.460	3.84		pH	-0.587	0.120	0.049
	PGM	-0.926	0.448	6.3		PGM	0.239	0.117	6.6
	EGTA	-0.864	0.443	7.7		FeSO ₄	0.137	0.115	25.7
	FeSO ₄	0.754	0.441	11.5		Glutamine	0.110	0.120	37.8
	Glucose	0.639	0.463	19.5		Lincomycin	0.090	0.117	45.7
	Lincomycin	0.172	0.447	70.8		EGTA	-0.078	0.115	51.4
Glutamine-Lincomycin	2.745	0.661	0.16	Glucose-pH	0.472	0.167	1.66		
Glutamine-pH	-2.020	0.641	0.92	FeSO₄-Lincomycin	-0.433	0.169	2.68		
Lincomycin-pH	1.982	0.641	1.02	Lincomycin-pH	-0.319	0.167	8.3		
FeSO₄-pH	1.888	0.641	1.33	Glutamine-Lincomycin	-0.310	0.172	9.9		
FeSO₄-Lincomycin	1.719	0.650	2.28	Glutamine-EGTA	-0.210	0.173	25.0		
PGM-EGTA	-1.420	0.643	4.93	Glucose-Lincomycin	-0.201	0.172	26.8		
PGM-Glutamine	1.150	0.628	9.4	Glutamine-pH	-0.192	0.167	27.4		
PGM-FeSO ₄	-0.857	0.637	20.5	Glucose-Glutamine	-0.185	0.168	29.3		
PGM-Glucose	0.729	0.607	25.5	Glucose-FeSO ₄	-0.149	0.171	40.1		
Glucose-Lincomycin	-0.721	0.660	29.8	EGTA-pH	0.138	0.167	42.6		
Glucose-pH	0.690	0.641	30.5	FeSO ₄ -EGTA	-0.140	0.170	42.8		
Glucose-EGTA	0.606	0.663	38.0	PGM-pH	0.124	0.167	47.2		
PGM-pH	-0.512	0.641	44.1	PGM-Lincomycin	-0.110	0.167	52.4		
FeSO ₄ -EGTA	0.517	0.651	44.4	PGM-Glucose	-0.087	0.158	59.2		
Glucose-Glutamine	0.460	0.642	48.9	PGM-EGTA	-0.062	0.168	71.8		
Glutamine-EGTA	0.315	0.664	64.4	Glutamine-FeSO ₄	-0.052	0.171	76.7		
PGM-Lincomycin	0.192	0.641	77.0	PGM-Glutamine	0.044	0.164	79.5		
EGTA-pH	0.112	0.641	86.5	FeSO ₄ -pH	-0.033	0.167	84.8		
Glutamine-FeSO ₄	-0.096	0.657	88.6	Lincomycin-EGTA	-0.007	0.173	96.9		
Glucose-FeSO ₄	0.095	0.654	88.7	Glucose-EGTA	0.006	0.173	97.2		
Lincomycin-EGTA	0.081	0.664	90.5	PGM-FeSO ₄	-0.003	0.166	98.5		

^aCoefficients indicate the relative strength of the response, which may be linear (top), squared (middle), or dependent on interactions (bottom).

*p-values <5% are considered significant while p-values from 5-10% are at the limit of significance (bold)