

Table 4

Correlation coefficients between experimental and modelling results.

Experiment	R² (Biomass)	R² (<i>m</i>-xylene)	R² (Succinate)
1	0.994	0.998	-
2	0.990	-	0.996
3 (Combined Model)	0.974	0.978	0.987
3 (Competitive Inh.)	0.952	0.965	0.953
3 (Non-competitive Inh.)	0.771	0.372	0.860
3 (Un-competitive Inh.)	0.994	0.979	0.969
3 (SKIP Model)	0.997	0.974	0.955
4 (Combined Model)	0.951	0.977	0.948
4 (Un-competitive Inh.)	0.837	0.606	0.956
4 (SKIP Model)	0.956	0.844	0.705

1. Single-Substrate Biodegradation: *m*-xylene Only; 2. Single-Substrate Biodegradation: Succinate Only; 3. Succinate - *m*-xylene Mixture: Parameter Estimation Experiment; 4. Succinate - *m*-xylene Mixture: Predictive Experiment.