

Supplementary Information

Supplementary Table S1. Validation experiments under the optimal fermentation conditions

Replicates	T36N yield ($\mu\text{g}\cdot\text{mL}^{-1}$) (Under optimal fermentation)	Original T36N yield ($\mu\text{g}\cdot\text{mL}^{-1}$)
1	351.98	261.84
2	343.86	262.43
3	345.37	259.97
4	342.72	263.04
5	349.25	256.98
Average	346.64	260.85
Standard deviation	3.47	2.45
Coefficient of variation	1.00%	