

SCIENTIFIC REPORTS

OPEN

Author Correction: Reconstruction of cysteine biosynthesis using engineered cysteine-free enzymes

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Published online: 12 April 2019

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-018-19920-y>, published online 29 January 2018

This Article contains an error in the order of the figure legends. The legends for Figures 4 and 5 were incorrectly given as those for 5 and 4 respectively.

The legend for Figure 4 should read:

“Growth curve of re-transformed auxotrophic *E. coli* strains in LB and M9 + glucose media. Each panel represents growth of cysteine-dependent *E. coli* auxotrophs rescued by wild type enzymes: CysE or CysM (blue), cysteine-free enzymes: CysE-C or CysM-C (orange), cysteine- and methionine-free enzymes: CysE-CM or CysM-CM (yellow), and LacZ α protein expressed from original pUC19 plasmid (gray). Growth curve was monitored every 10 minutes at OD 600 nm using 96-well plate reader. Standard deviations of the growth curves are displayed as calculated from triplicates.”

The legend for Figure 5 should read:

“Synthetic *cysE* and *cysM* gene transformants display recovery of CysE function without cysteine and methionine and CysM function without cysteine. (A) *E. coli* $\Delta cysE$ competent cells were transformed with positive control *cysE*, two *cysE* variants *cysE-C/cysE-CM* cloned into the multiple cloning site of pUC19 plasmid, and original pUC19 encoding N-terminal fragment of *lacZ α* as a negative control. (B) *E. coli* $\Delta cysM\Delta cysK$ competent cells transformed with positive control *cysM*, two *cysM* variants *cysM-C/cysM-CM* in pUC19 plasmid, and original pUC19 encoding N-terminal fragment of *lacZ α* as a negative control. Cells were plated on M9 + glucose medium with 0.4 mM IPTG, 50 μ g/ml kanamycin, and 100 μ g/ml ampicillin and incubated at 30 °C for 72 h.”



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