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## Enhancing the efficiency of cell-free protein synthesis system by systematic titration of transcription and translation components

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### Highlights:

- Cell-free protein synthesis could be enhanced by adding TX-TL components.
- 31 TX-TL components were titrated and 11 were identified that enhanced protein production.
- A 2.5-fold increase of cell-free protein production was achieved by adding 5 defined components.

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