

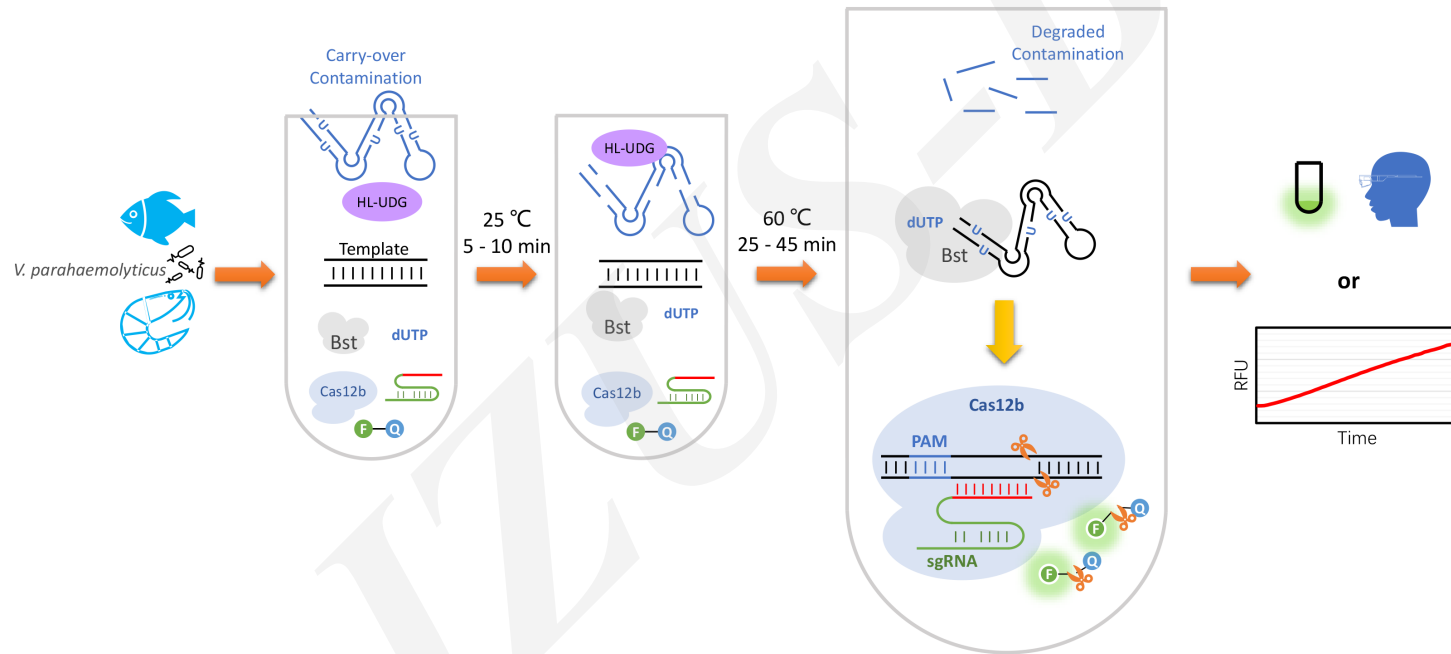
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# **Rapid visual detection of *Vibrio parahaemolyticus* by combining LAMP-CRISPR/Cas12b with heat-labile uracil-DNA glycosylase to eliminate carry-over contamination**

**Key words: UDG; LAMP; CRISPR/Cas12b; *Vibrio parahaemolyticus*; One-pot detection**

# Research Summary

This correspondence mainly established a one-pot system that combines uracil-DNA-glycosylase (UDG), loop-mediated isothermal amplification (LAMP), and CRISPR/Cas12b for detecting *V. parahaemolyticus* in seafood.



- One-pot detection of *V. parahaemolyticus*
- Effectively remove carryover Contamination

# Innovation points

- One-pot detection of *V. parahaemolyticus* without intermediate opening the tube.
- Eliminating the carry-over contamination of amplification products.
- Consistent with the results of the qPCR.

