

SUPPLEMENTARY APPENDIX

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to:

Enhancement of xylanase expression by *Komagataella phaffii* through pexophagy inhibition

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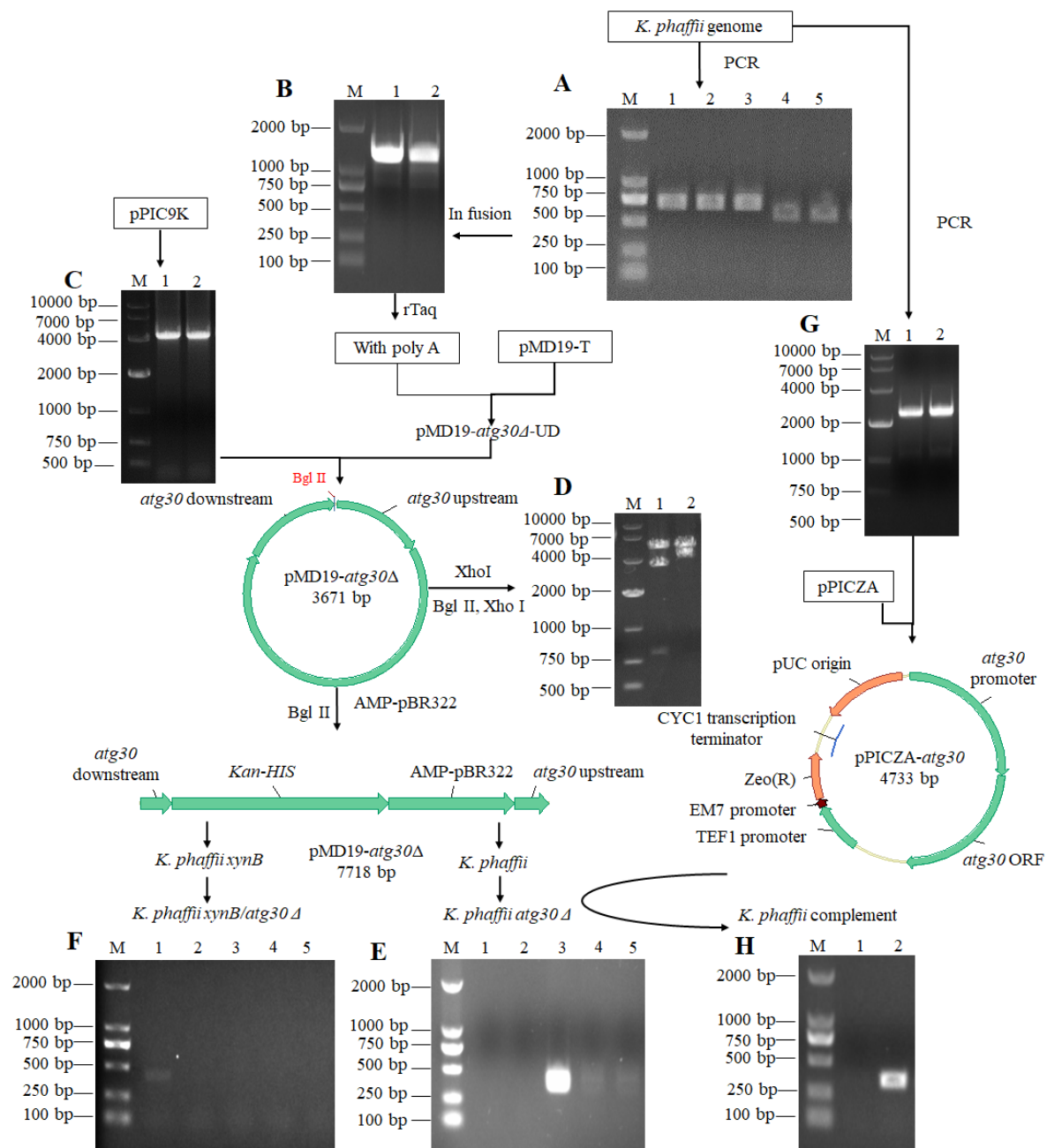


Figure S1 Process of *atg30* gene knockout. A: Upstream and downstream fragments from *K. phaffii* (M: marker; 1, 2, 3: *atg30* upstream; 4, 5: *atg30* downstream); B: Infusion of upstream and downstream fragments from *K. phaffii* (M: marker; 1, 2: homologous arm); C: *Kanamycin-HIS4* fragment from pPIC9k (M: marker; 1, 2: *Kanamycin-HIS4* fragment); D: Verification of vector pMD19-*atg30*Δ (M: marker; 1: *Xho*I digestion; 2: *Bgl*II and *Xho*I digestion); E: Verification of *K. phaffii atg30*Δ (M: marker; 1: blank; 2, 4, 5: transformants; 3: *K. phaffii*); F: Verification of *K. phaffii xynB/atg30*Δ (M: marker; 1: *K. phaffii*; 2, 3, 4, 5: *K. phaffii xynB/atg30*Δ); G: *atg30* amplification from *K. phaffii* (M: marker; 1, 2: *atg30*); H: *atg30* Gene amplification from *K. phaffii atg30*Δ complement (M: marker; 1: blank control; 2: *K. phaffii atg30*Δ complement).