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Title: Comparative study of the vaccine potential of six outer membrane proteins of *Edwardsiella tarda* and the immune responses of flounder (*Paralichthys olivaceus*) after vaccination

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Highlights

1. rOmpI and rOmpX could evoke RPS over 80% following *E. tarda* challenge.
2. rOmpI and rOmpX induced stronger immune response than other rOMPs.
3. The immune response level of flounder induced by rOMPs was associated with RPS.

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