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Transformation of *Edwardsiella tardada* for the expression of phiX174 E-lysis gene

So Young Kim[1], Se Ryun Kwon[2], Ki Hong Kim[2], Sung Koo Kim[1] and Yoon Kwon Nam[3,*]

Departments of [1]Biotechnology and Bioengineering, [2]Aquatic Life Medicine and [3]Aquaculture, Pukyong National University, Busan 608-737, Korea

To generate the bacterial ghost with *Edwardsiella tarda,* one of important pathogenic bacteria causing the severe disease symptom in many cultured fish species, optimized transformation condition was established based on chemical and/or electrical transformation strategies. Transformation efficiency, stringency of plasmid copies and stability of transformants were examined with various plasmid constructs harboring different replication origins. Expression profiles of phiX174 E-lysis gene driven by lambda PR promoter was compared between *E. tarda* and *E. coli* ghosts based on the optical density monitoring, RNA blot hybridization and RT-PCR analysis.

*Corresponding author: yoonknam@pknu.ac.kr