Table S1. Bacterial strains, plasmids, and primers used.

Strain/plasmid/primer	Characteristic(s)	Reference
Bacterial strains		
E. coli DH5α	F⁻ *φ80dlacZΔM15 Δ(lacZYA-argF)U169 deoR recA1 endA1 hsdR17(rK⁻, mK⁺) phoA supE44 λ⁻ thi-1 gyrA96 relA1*	Takara
E. coli BL21 (DE3)	F⁻ *ompT hsdSB(rB- mB-) gal dcm(DE3)*	Sigma
Echinicola rosea JL3085ᵀ	Wild-type halotolerant bacterium	[54]
Plasmids[a]		
pET-22b(+)	Ampʳ [a]; T7lac promoter	Invitrogen
pET22b_xynT	pET-22b(+); Ampʳ; carries *E. rosea xynT*	This study
Primers [b]		
XynT_F	*tcggaattaattcggatccg*ATGGTGGGAGCTTATCAAAC	This study
XynT_R	*aagcttgtcgacggagctcg*gtggtggtggtggtggtgCTAGTATTGATTTGATAAAT	

ᵃ Ampʳ: resistance to ampicillin.
ᵇ Italic sequences indicate the complementary sequences to the EcoRI restriction sites on pET-22b(+) plasmid.
ᶜ Underline sequences indicate the nucleotides encoding the His-tag sequence.