

Supplementary Table S1: Comparative screening of 40 marine bacterial isolates for plant growth-promoting (PGP) traits, including phosphate solubilization, potassium solubilization, ammonia production, indole-3-acetic acid (IAA) production, and hydrogen cyanide (HCN) production. Data are presented to support the selection of strain 6nak4 for detailed characterization.

Isolates	Phosphate	Potassium	Ammonia	HCN	IAA
6mac1	+	-	-	-	+
6mac2	-	-	-	-	-
6mac4	+	-	+	-	+
6mac6	+	+	-	-	+
6mac7	+	-	+	-	-
6mac9	+	-	-	-	+
6mac10	-	+	-	-	+
6mac12	+	-	-	-	+
6mac13	+	-	+	-	+
6mac15	+	-	-	-	+
6mac16	+	-	-	-	+
6mag2	-	-	+	-	+
6mag6	+	-	-	-	+
6mag7	-	-	+	-	+
6mag8	-	-	+	-	+
6mag9	-	-	+	-	+
6mak1	-	-	-	-	-
6mak2	-	-	+	-	+
6mak4	-	-	+	-	+
6mak5	+	-	-	-	-
6mak6	+	-	-	-	+
6mak7	+	-	-	-	+
6mak8	-	-	+	-	+
6mak10	+	-	-	-	-
6mak12	+	+	-	-	+
6mak13	-	-	+	-	+
6mak14	+	-	+	-	+
6mak15	+	-	+	-	+
6mak16	+	+	-	-	+
6mak17	-	-	+	-	+
6nac1	-	-	-	-	+
6nac2	-	-	+	-	-
6nag1	+	+	-	-	+
6nag4	+	-	+	-	+
6nag5	+	-	-	-	+
6nak1	+	-	-	-	+
6nak2	+	+	-	-	-
6nak3	+	-	+	-	-
6nak4	+	+	+	-	+