

**Supplementary Table S2.** GenBank accession numbers of gene sequences used in this study.

<i>Photobacterium</i> species	<i>gyrB</i>	<i>gapA</i>	<i>topA</i>	<i>ftsZ</i>	<i>mreB</i>
<i>P. angustum</i> ATCC 25915 <sup>T</sup>	AF136383	EF415490	DQ907457	UB33_RS14340	UB33_14050
<i>P. aphoticum</i> JCM 19237	JCM19237_6778	JCM19237_1433	JCM19237_4151	JCM19237_2573	JCM19237_2573
<i>P. aplysiae</i> CAIM 14	KU681312	KF666661	KF666751	KF666643	KF666707
<i>P. aquae</i> AE6 <sup>T</sup>	KF170932	ABT56_RS07980	ABT56_RS02285	ABT56_RS09240	ABT56_08970
<i>P. aquimaris</i> LC2-065 <sup>T</sup>	AB428879	AB428885	AB453690	AB453686	AB453694
<i>P. carnosum</i> TMW 2.2021 <sup>T</sup>	MF622950	NZ_NPIB01000012	NPIB01000001	NZ_NPIB01000008	NZ_NPIB01000008
<i>P. damsela</i> subsp. <i>damsela</i> ATCC 33539 <sup>T</sup>	AB298188	DQ907258	DQ907458	DQ907319	DQ907386
<i>P. d.</i> subsp. <i>damsela</i> CIP102761 <sup>T</sup>	VDA_RS13080	VDA_RS00465	VDA_RS07690	VDA_RS00045	VDA_003504
<i>P. d.</i> subsp. <i>damsela</i> C11080601R	<b>KU534149*</b>	<b>KU534142</b>	<b>KU534135</b>	<b>KU534128</b>	<b>KU534121</b>
<i>P. d.</i> subsp. <i>damsela</i> CECT 5064	<b>KU680722</b>	<b>KU680713</b>	<b>KU680703</b>	<b>KU680683</b>	<b>KU680693</b>
<i>P. d.</i> subsp. <i>damsela</i> D20040408U	<b>KU680714</b>	<b>KU680704</b>	<b>KU680694</b>	<b>KU680674</b>	<b>KU680684</b>
<i>P. d.</i> subsp. <i>damsela</i> H01100402O	<b>KU680715</b>	<b>KU680705</b>	<b>KU680695</b>	<b>KU680675</b>	<b>KU680685</b>
<i>P. d.</i> subsp. <i>damsela</i> H01100403D1	<b>KU534150</b>	<b>KU534143</b>	<b>KU534136</b>	<b>KU534129</b>	<b>KU534122</b>
<i>P. d.</i> subsp. <i>damsela</i> H09060401H	<b>KU534148</b>	<b>KU534141</b>	<b>KU534134</b>	<b>KU534127</b>	<b>KU534120</b>
<i>P. d.</i> subsp. <i>damsela</i> H14060501B	<b>KU680717</b>	<b>KU680707</b>	<b>KU680697</b>	<b>KU680677</b>	<b>KU680687</b>
<i>P. d.</i> subsp. <i>damsela</i> H14060501H	<b>KU680718</b>	<b>KU680708</b>	<b>KU680698</b>	<b>KU680678</b>	<b>KU680688</b>
<i>P. d.</i> subsp. <i>damsela</i> H14060501R	<b>KU680719</b>	<b>KU680709</b>	<b>KU680699</b>	<b>KU680679</b>	<b>KU680689</b>
<i>P. d.</i> subsp. <i>damsela</i> H22060601R	<b>KU534146</b>	<b>KU534139</b>	<b>KU534132</b>	<b>KU534125</b>	<b>KU534118</b>
<i>P. d.</i> subsp. <i>damsela</i> H29040401H	<b>KU680716</b>	<b>KU680706</b>	<b>KU680696</b>	<b>KU680676</b>	<b>KU680686</b>
<i>P. d.</i> subsp. <i>damsela</i> H29060602R	<b>KU534147</b>	<b>KU534140</b>	<b>KU534133</b>	<b>KU534126</b>	<b>KU534119</b>
<i>P. d.</i> subsp. <i>damsela</i> Lb07070501R	<b>KU534151</b>	<b>KU534144</b>	<b>KU534137</b>	<b>KU534130</b>	<b>KU534123</b>
<i>P. d.</i> subsp. <i>damsela</i> S04070503C	<b>KU534152</b>	<b>KU534145</b>	<b>KU534138</b>	<b>KU534131</b>	<b>KU534124</b>
<i>P. d.</i> subsp. <i>piscicida</i> ATCC 17911	<b>KU680721</b>	<b>KU680712</b>	<b>KU680702</b>	<b>KU680682</b>	<b>KU680692</b>
<i>P. d.</i> subsp. <i>piscicida</i> L09110601O	<b>KU680720</b>	<b>KU680710</b>	<b>KU680700</b>	<b>KU680680</b>	<b>KU680690</b>
<i>P. frigidiphilum</i> JCM 12947 <sup>T</sup>	AB298189	DQ907259	DQ907459	DQ907320	DQ907387
<i>P. gaetbulicola</i> Gung47 <sup>T</sup>	H744_RS10325	H744_RS12670	H744_RS22455	H744_RS12275	CP005974
<i>P. galathea</i> S2753 <sup>T</sup>	EA58_08470	EA58_04580	EA58_11710	EA58_05035	EA58_05325
<i>P. ganghwense</i> DSM 22954	ABT57_22530	ABT57_18865	ABT57_01030	ABT57_19625	ABT57_19910
<i>P. halotolerans</i> DSM 18316 <sup>T</sup>	FN796485	H511_RS0118115	H511_RS0116995	H511_RS0118555	H511_RS0118845
<i>P. iliopiscarium</i> ATCC 51760 <sup>T</sup>	AY455878	EF415498	UB38_RS01660	UB38_RS13985	UB38_12625

<i>Photobacterium</i> species	<i>gyrB</i>	<i>gapA</i>	<i>topA</i>	<i>ftsZ</i>	<i>mreB</i>
<i>P. indicum</i> NBRC 14233 <sup>T</sup>	AB159514	EF415489	DQ907462	DQ907323	DQ907390
<i>P. jeanii</i> R-40508 <sup>T</sup>	LVHF01000030	KU702662	GU065214	GU065217	GU065220
<i>P. kishitanii</i> ATCC BAA-1194 <sup>T</sup>	UB40_RS16325	EF415500	AB453692	AB453688	AB453696
<i>P. leiognathi</i> subsp. <i>leiognathi</i> ATCC 25521 <sup>T</sup>	AY455879	EF415492	DQ907463	UB42_RS05010	UB42_05295
<i>P. leiognathi</i> subsp. <i>mandapamensis</i> ATCC 27561 <sup>T</sup>	AY455883	EF415494	AB453693	AB453689	AB453697
<i>P. lipolyticum</i> DSM 16190 <sup>T</sup>	AB298194	DQ907264	DQ907464	DQ907325	DQ907392
<i>P. lutimaris</i> CAIM 1851	KF666688	KF666663	KF666753	KF666644	KF666709
<i>P. marinum</i> AK15 <sup>T</sup>	C942_RS18665	C942_RS12610	C942_RS02280	C942_RS07915	C942_04764
<i>P. phosphoreum</i> ATCC 11040 <sup>T</sup>	AY455875	EF415496	UB41_RS00885	UB41_RS05575	UB41_12100
<i>P. piscicola</i> NCCB 100098 <sup>T</sup>	KF206123	KF938492	KX943609	KX943610	KX943611
<i>P. profundum</i> 3TCK	CH724137	CH724136	CH724136	CH724136	CH724136
<i>P. proteolyticum</i> YIC13-12 <sup>T</sup>	BIT28_08625	BIT28_RS16330	BIT28_22380	BIT28_16855	BIT28_17150
<i>P. rosenbergii</i> LMG 22223 <sup>T</sup>	AB298197	DQ907267	DQ907467	DQ907328	DQ907395
<i>P. sanctipauli</i> A-394 <sup>T</sup>	CQ09_RS26825	CQ09_RS11505	CQ09_RS17135	CQ09_RS23280	CQ09_RS05785
<i>P. sanguinancreri</i> CAIM 1827 <sup>T</sup>	KU681315	KU681323	KU681319	KU169268	KU681322
<i>P. swingsii</i> CAIM 1393 <sup>T</sup>	AB733_RS18275	KF666664	KF666754	KF666645	KF666710
<i>P. toruni</i> CECT 9189 <sup>T</sup>	KX855662	KX855663	KX855664	KX855665	KX855666
<i>Salinivibrio costicola</i> ATCC 33508 <sup>T</sup>	D481_RS19680	D481_RS0112370	D481_RS20830	D481_RS0101800	D481_RS0101345

\*Bold text corresponds to gene sequences that were sequenced in this study.