

S1 Table. Photosynthetic purple bacteria strains used in this study.

Resource number	Scientific name	Growth temperature
JCM14796	<i>Allochromatium phaeobacterium</i>	30°C
JCM14262	<i>Allochromatium renukae</i>	28°C
ATCC51935	<i>Ectothiorhodospira haloalkaliphila</i>	30°C
DSM241	<i>Ectothiorhodospira marina</i>	25°C
DSM237	<i>Ectothiorhodospira mobilis</i>	35°C
BRC14151	<i>Halochromatium roseum</i>	30°C
DSM244	<i>Halorhodospira halophila</i>	25°C
JCM17835	<i>Halorhodospira neutriphila</i>	30°C
JCM13911	<i>Marichromatium bheemlicum</i>	28°C
DSM1591	<i>Marichromatium purpuratum</i>	25°C
JCM13533	<i>Marichromatium sp.</i>	26°C
ATCC700894	<i>Thiocapsa litoralis</i>	26°C
JCM14780	<i>Thiohalocapsa marina</i>	25°C
JCM14889	<i>Thiophageococcus mangrovi</i>	30°C
JCM14149	<i>Thiorhodococcus bheemlicus</i>	26°C
JCM14150	<i>Thiorhodococcus kakinadensis</i>	28°C
DSM19920	<i>Rhodobaca barguzinensis</i>	28°C
JCM14544	<i>Rhodobacter vinaykumarii</i>	30°C
JCM13532	<i>Rhodobium gokarnense</i>	26°C
JCM9337	<i>Rhodobium orientis</i>	26°C
ATCC BAA1145	<i>Afifella pfennigii</i> (<i>Rhodobium pfennigii</i>)	30°C
DSM2698	<i>Afifella marina</i> (<i>Rhodobium marinum</i>)	25°C
DSM2132	<i>Rhodotalassium salexigens</i>	26°C
DSM2781	<i>Rhodovulum adriaticum</i>	26°C
DSM4868	<i>Rhodovulum euryhalinum</i>	30°C
JCM13300	<i>Rhodovulum marinum</i>	30°C

JCM13589	<i>Rhodovulum imhoffii</i>	28°C
ATCC35886	<i>Rhodovulum sulfidophilum</i>	28°C
ATCC BAA1573	<i>Rhodovulum tesquicola</i>	30°C
JCM13531	<i>Rhodovulum visakhapatnamense</i>	30°C
BRC14191	<i>Roseospira goensis</i>	28°C
ATCC BAA447	<i>Roseospira marina</i>	26°C
ATCC BAA1365	<i>Roseospira visakhapatnamensis</i>	26°C