Supplemental Material

Figure S1. Cell number (10^8 cell ml^{-1}) of strains BA-120 (A), BA-124 (B) and BA-132 (C) under different environmental scenarios in 4 mediums: a) salinity – 3; b) salinity – 8; c) salinity – 13; d) – 18.
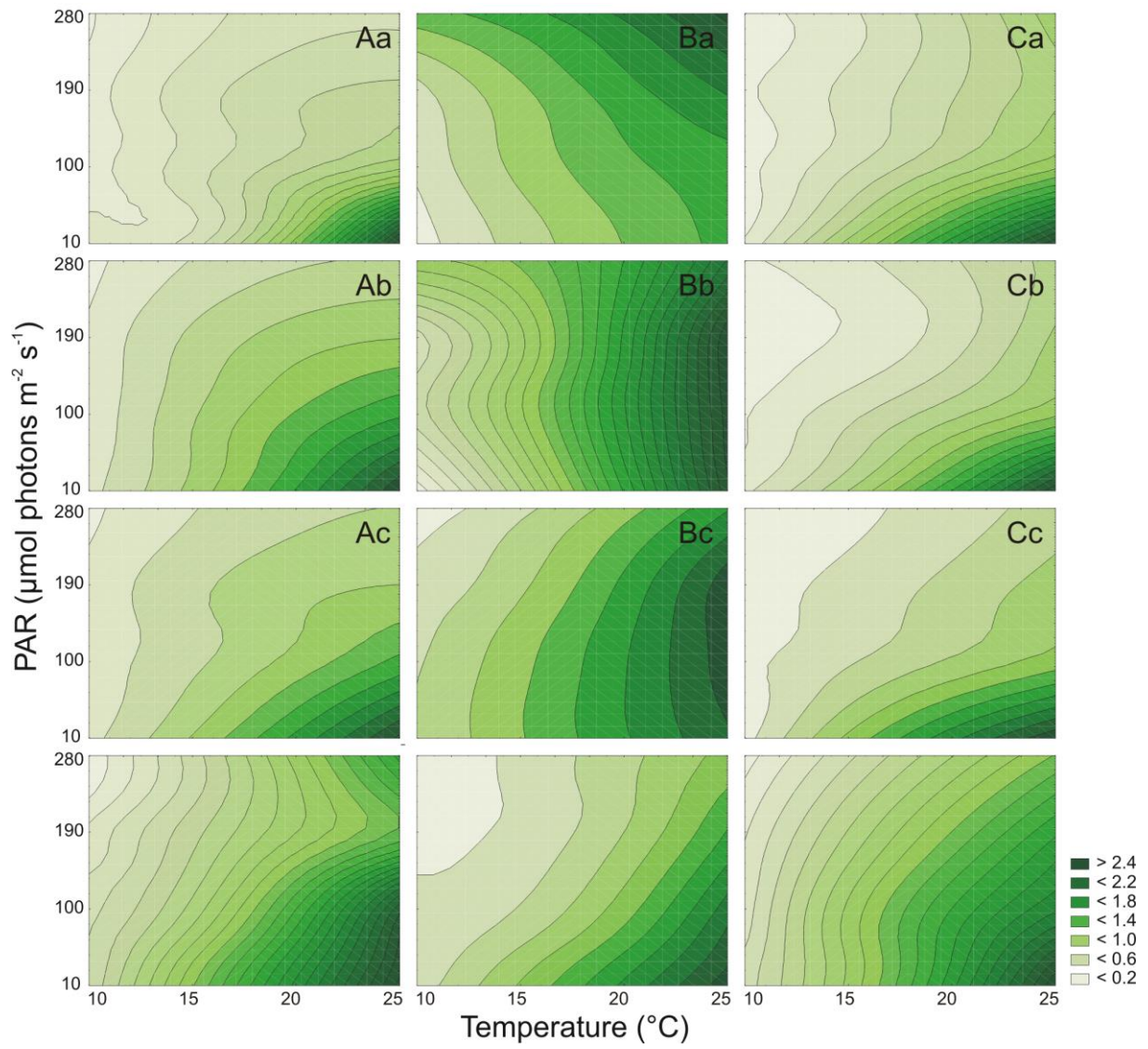
Figure S2. Chl *a* (μg ml⁻¹) changes for BA-120 (A), BA-124 (B) and BA-132 (C) under different environmental scenarios in 4 mediums: a) salinity – 3; b) salinity – 8; c) salinity – 13; d) salinity – 18.
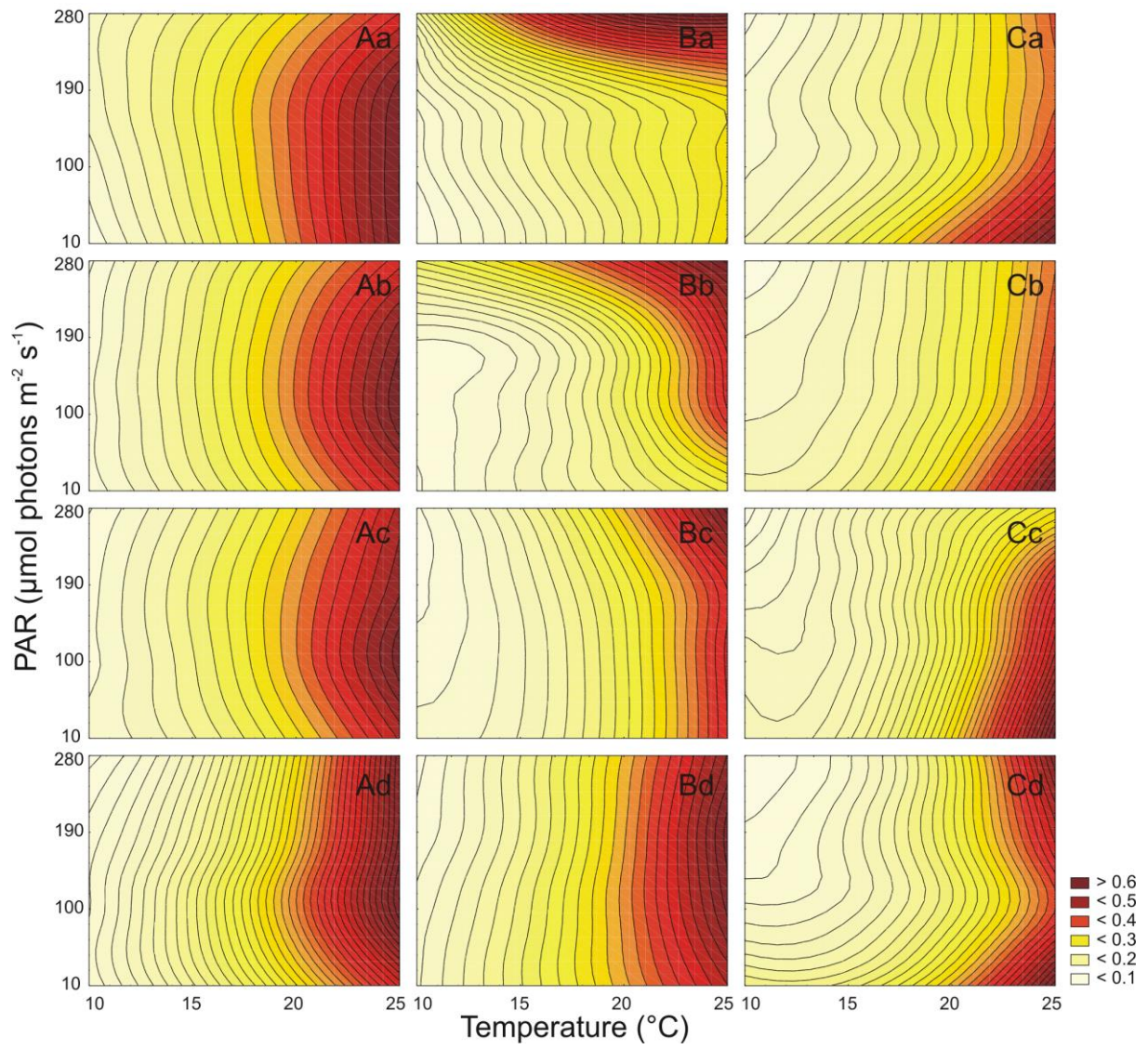
Figure S3. Car (µg ml^{-1}) changes for BA-120 (A), BA-124 (B) and BA-132 (C) under different environmental scenarios in 4 mediums: a) salinity – 3; b) salinity – 8; c) salinity – 13; d) salinity – 18.
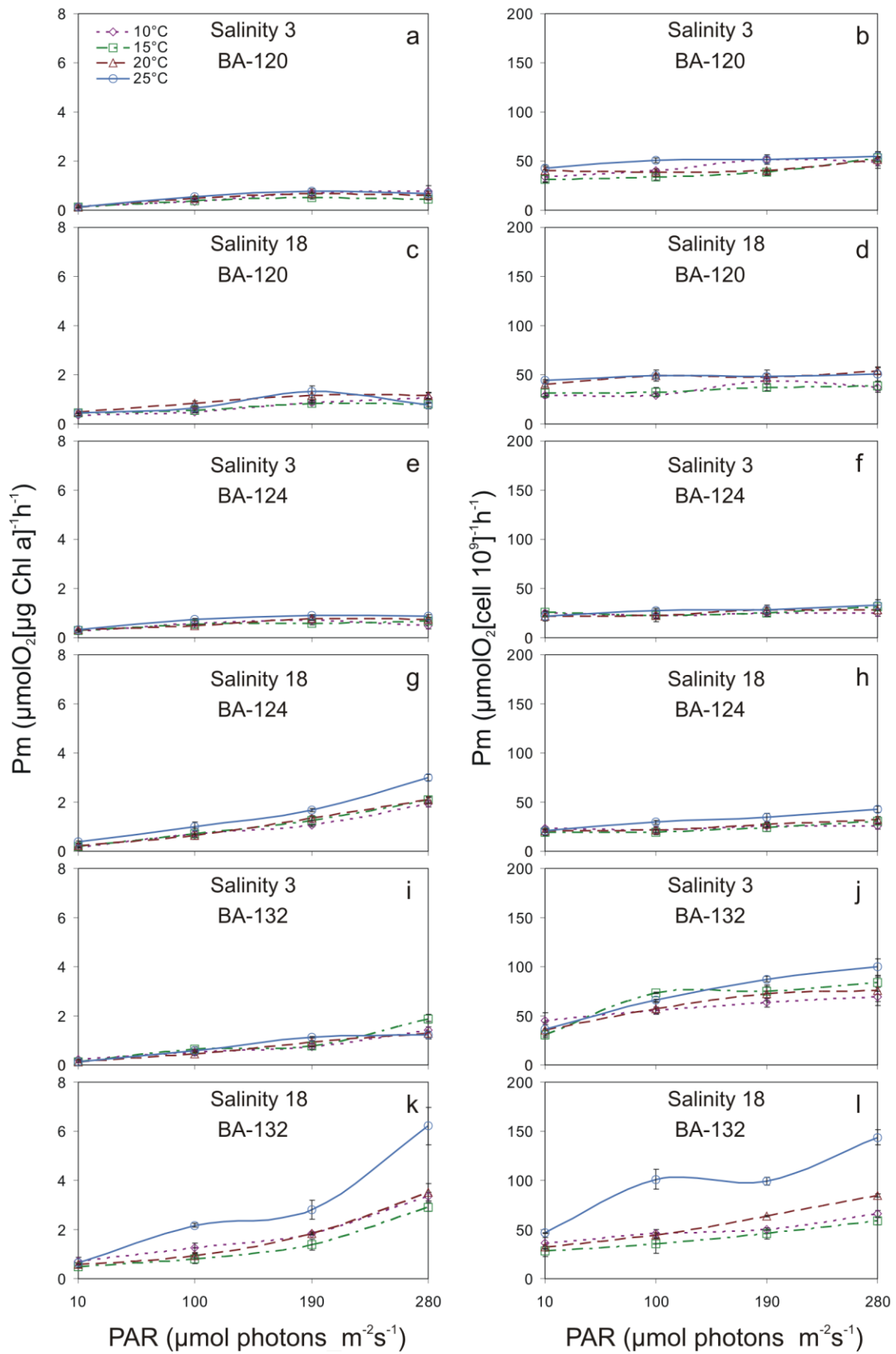
Figure S4. The Chl *a*-specific (left side panel) and cell-specific (right side panel) photosynthesis capacity (P_m) at two extreme salinities (3 and 18) under different PAR and temperature conditions for BA-120 (a-d), BA-124 (e-h) and BA-132 (i-l).
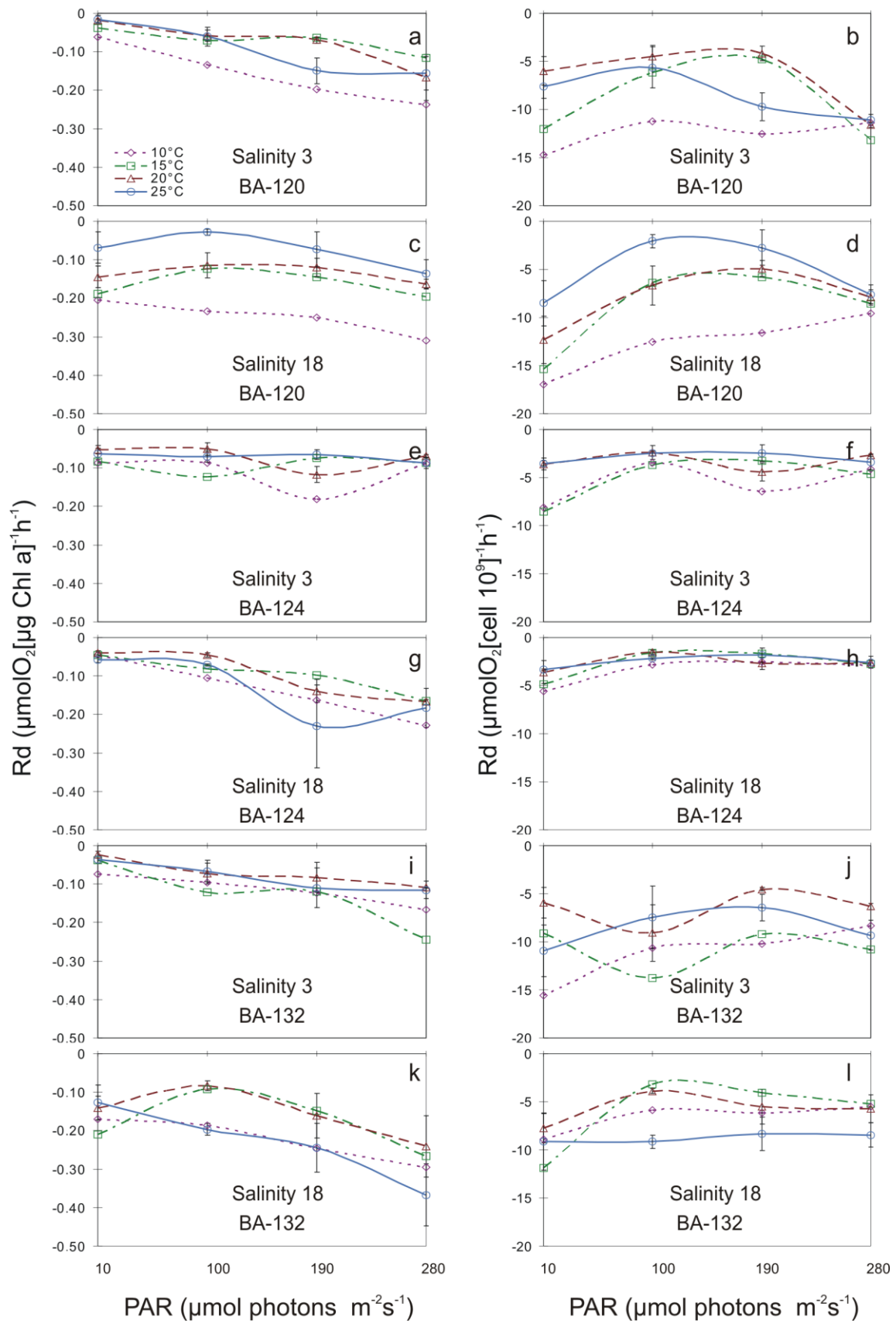
Figure S5. The Chl *a*-specific (left side panel) and cell-specific (right side panel) dark respiration (R_d) at two extreme salinities (3 and 18) under different PAR and temperature conditions for BA-120 (a-d), BA-124 (e-h) and BA-132 (i-l).
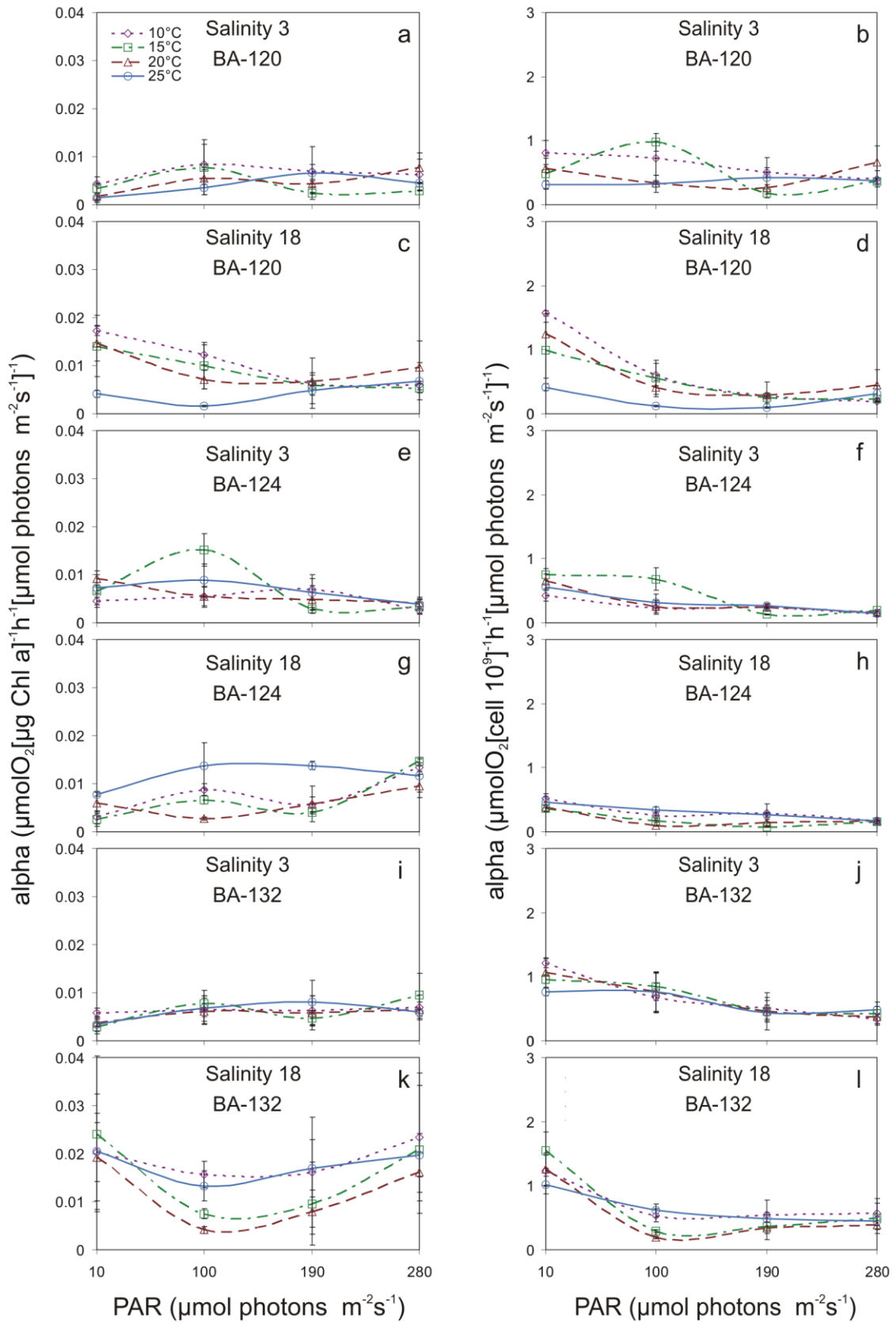
Figure S6. The Chl *a*-specific (left side panel) and cell-specific (right side panel) photosynthetic efficiency at limiting irradiance (*αlpha*) at two extreme salinities (3 and 18) under different PAR and temperature conditions for BA-120 (a-d), BA-124 (e-h) and BA-132 (i-l).