

Supplementary File 1. Chromatograms of pigments from LL LH2 and LH4 complexes and chromatograms of standards used for pigment identification and quantification

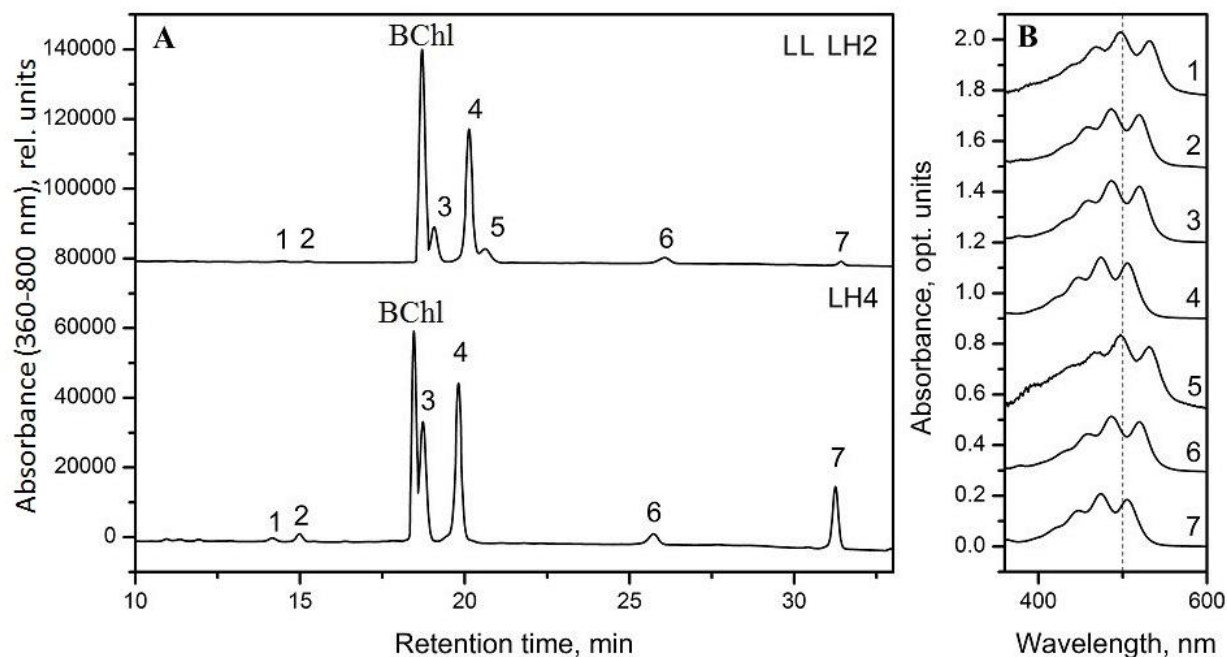


Fig. S1. A – the chromatograms of HPLC analysis of carotenoid composition in LL LH2 and LH4 complexes from *Rps. palustris*. B – absorption spectra of individual carotenoid peaks indicated on the chromatogram. The HPLC analysis was carried out at a wavelength of 360-800 nm. The identification of the peaks: 1 – demethylspirilloxanthin, 2 – rhodovibrin, 3 – 3,4-didehydrorhodopin, 4 – rhodopin, 5 – spirilloxanthin, 6 – anhydrorhodovibrin, 7 – lycopene.

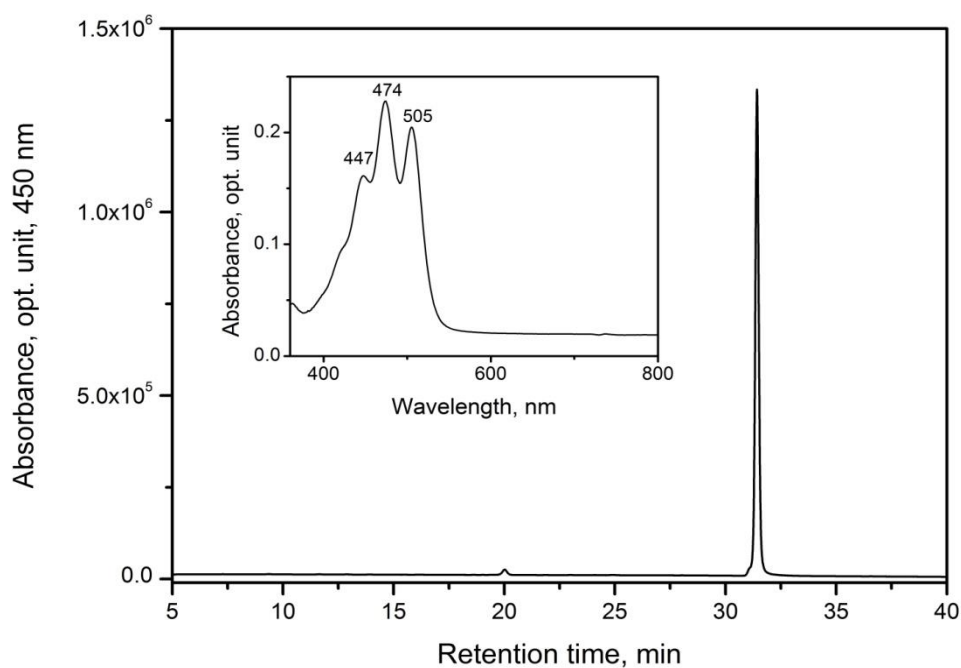


Fig. S2. Carotenoid standard of lycopene (Merck).

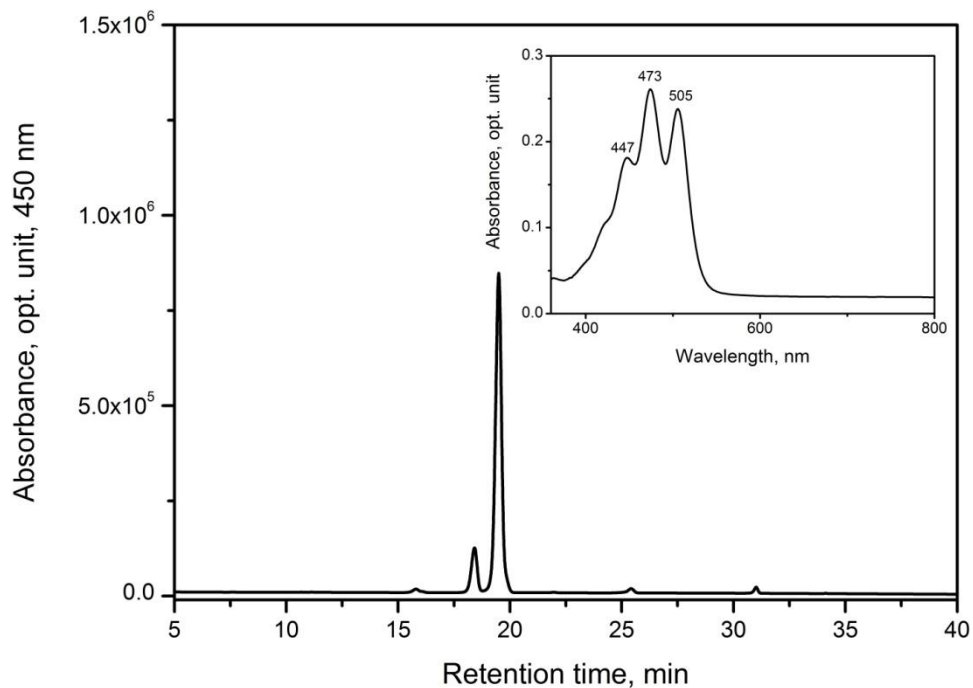


Fig. S3. Carotenoid standard of rhodopin from *Allochrodatum vinosum*.

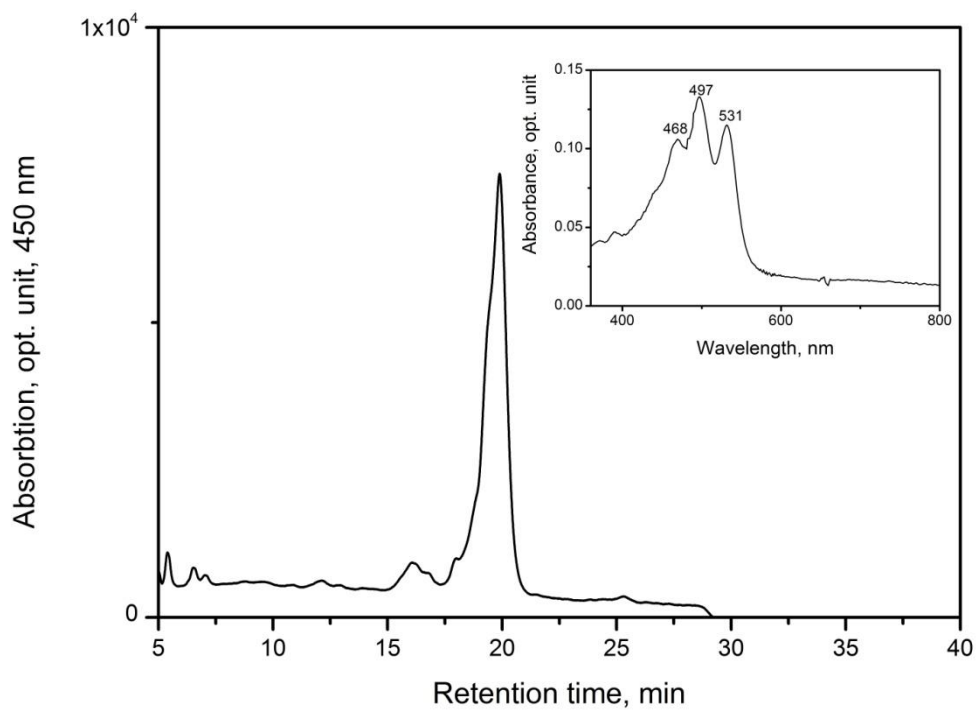


Fig. S4. Carotenoid standard of spirilloxanthin from *Rhodospirillum rubrum*.