

Supplemental Figures

Drozdova *et al.*

November 18, 2020

1 Diversity of opsin transcripts and their phylogenetic distribution

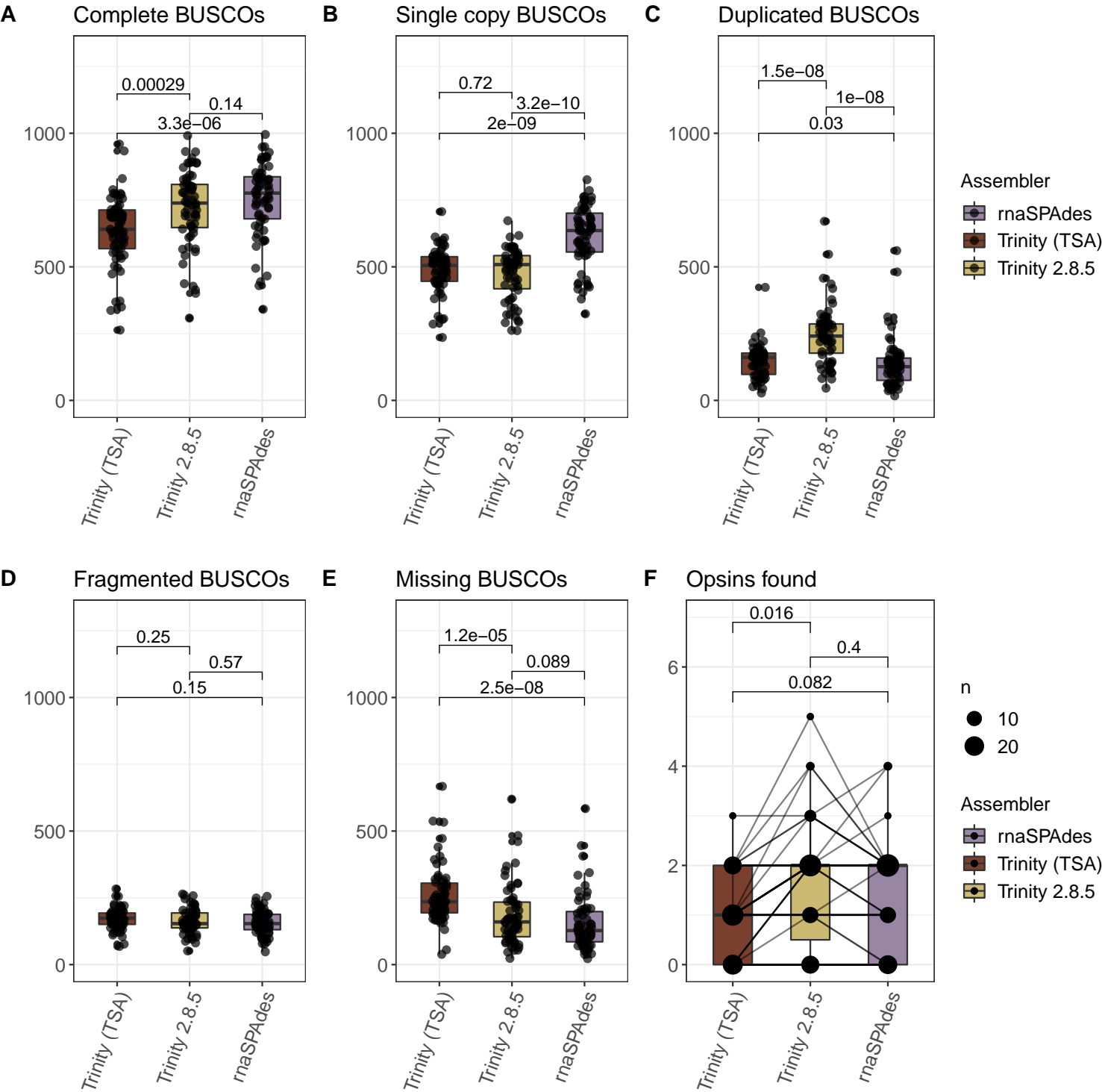


Figure S1: Quality of assemblies

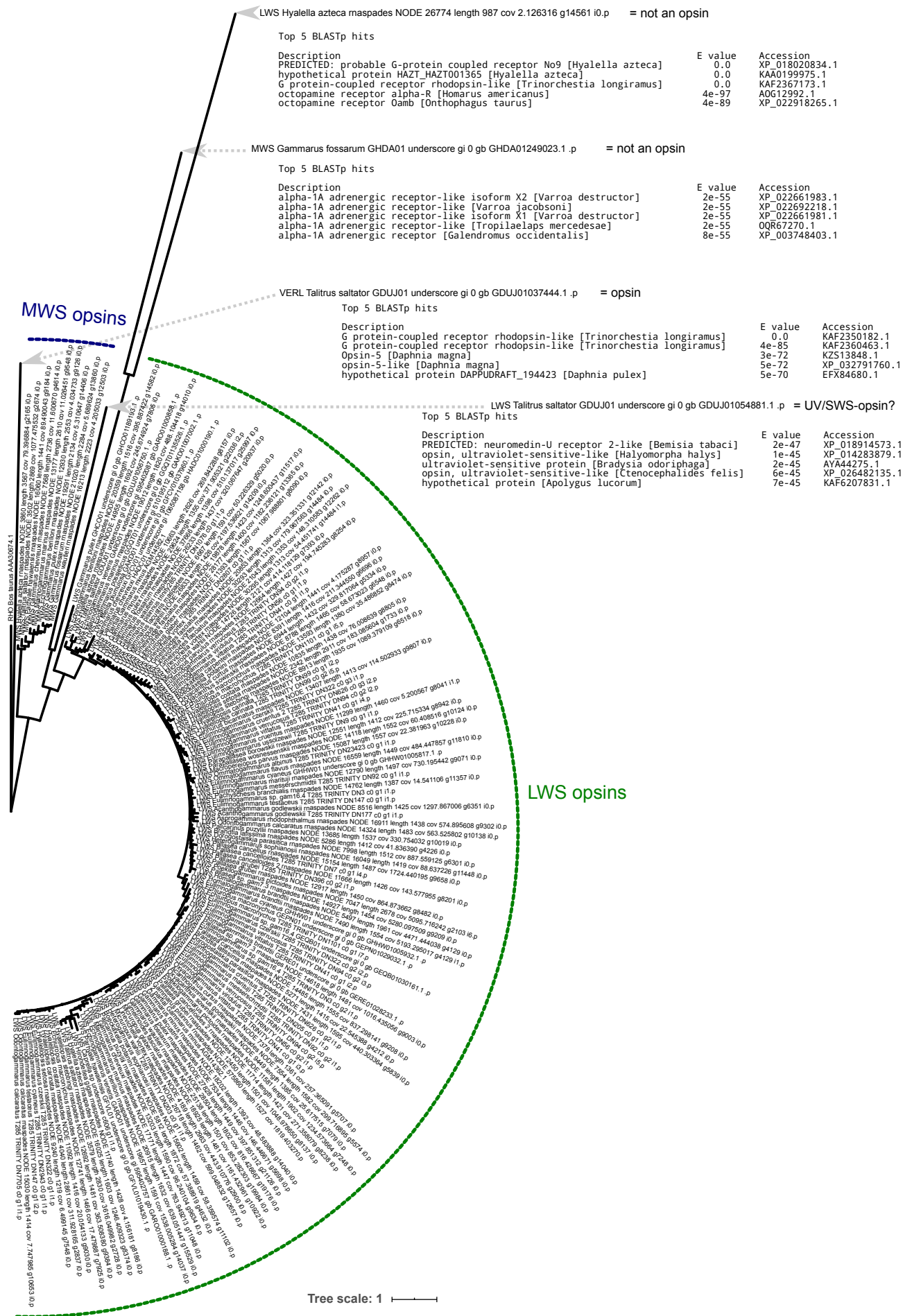


Figure S2: (A) Amino acid-based tree of all found opsin sequences.

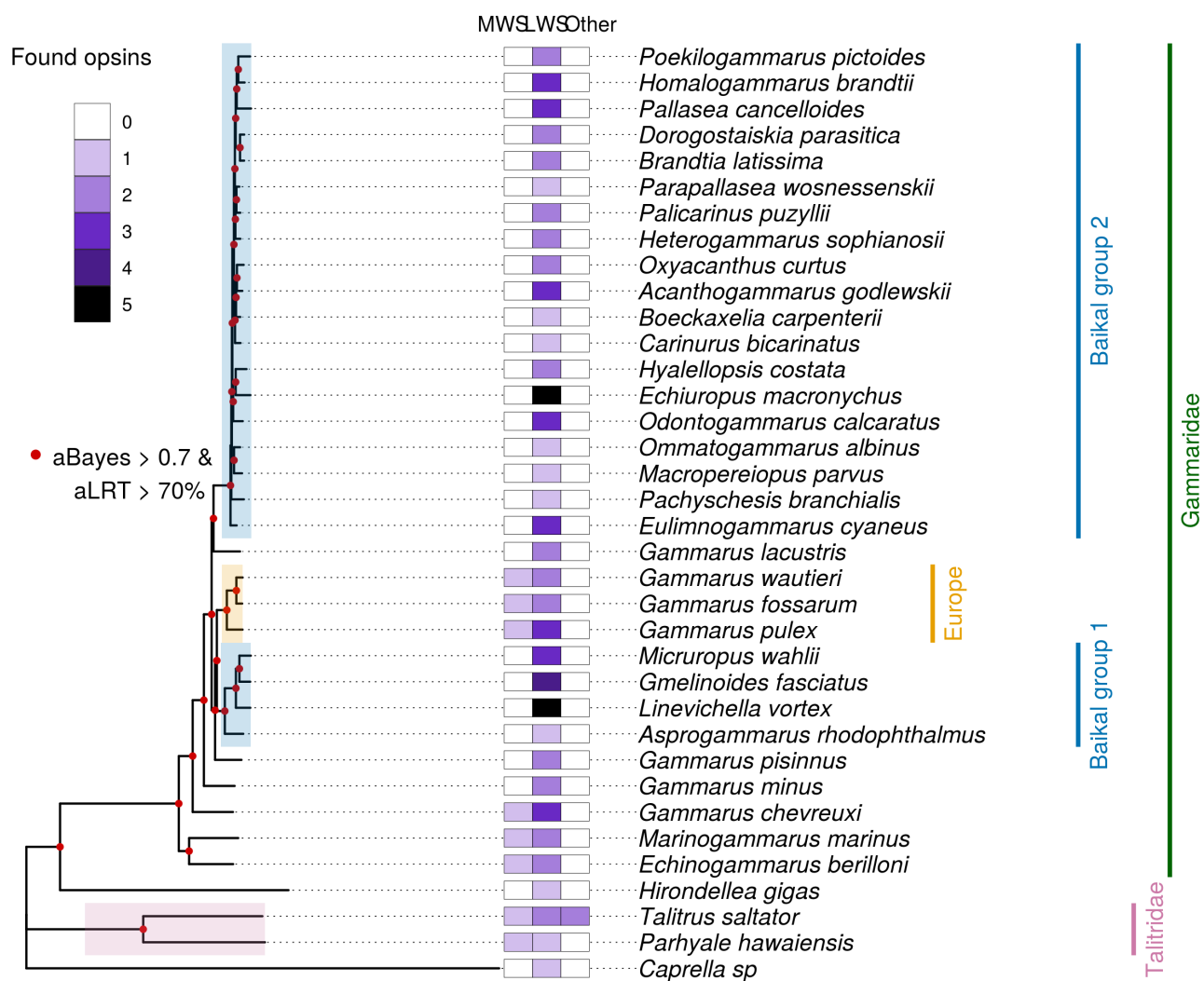


Figure S2: (B) Amino acid-based species tree.

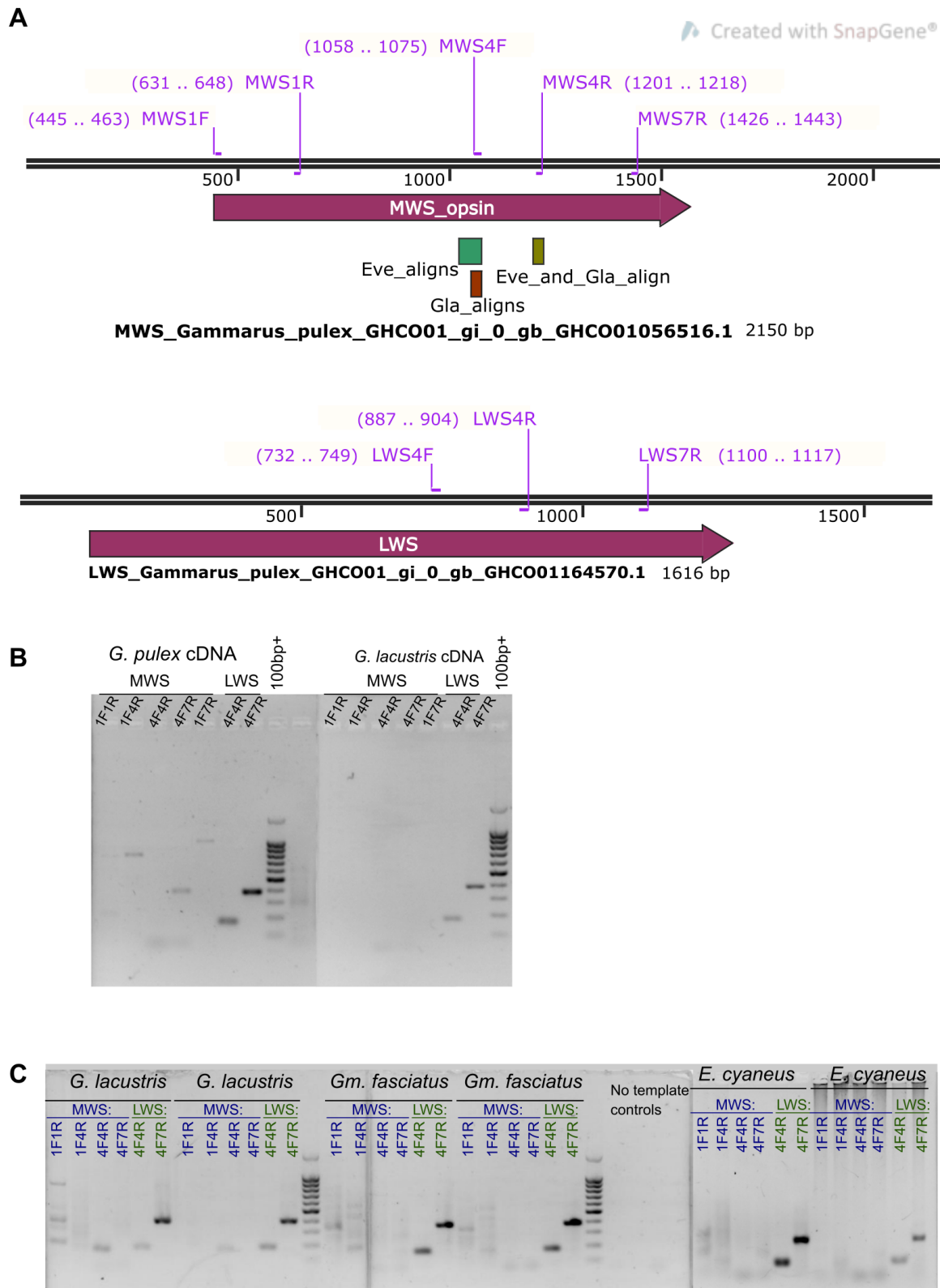


Figure S3: Amplification of MWS and LWS opsins from extracted genomic DNA of several species.

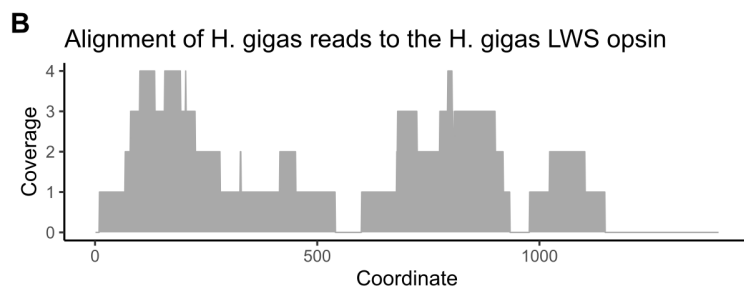
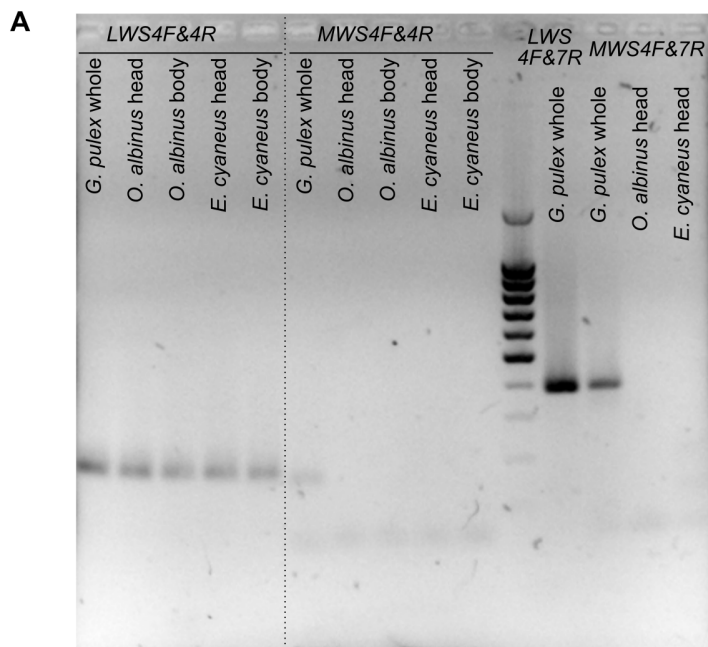


Figure S4: Evidence for extraocular expression of opsins in amphipods.

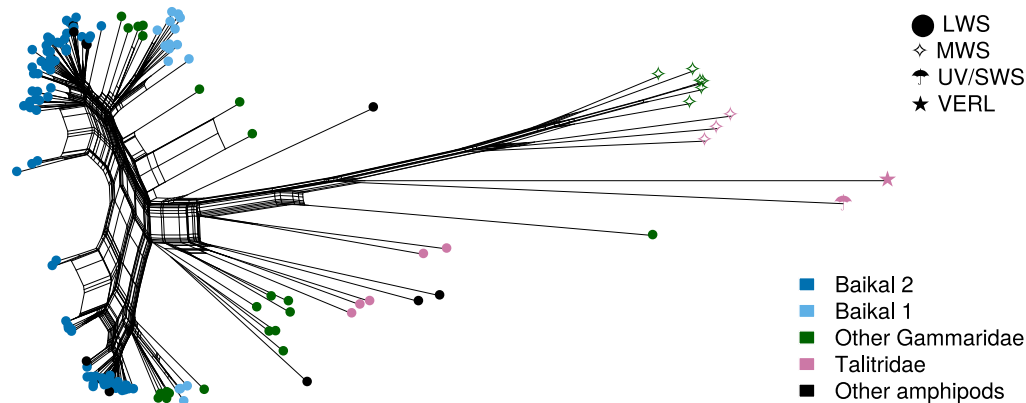


Figure S5: Phylogenetic network of all found amphipod opsins based on nucleotide sequences.

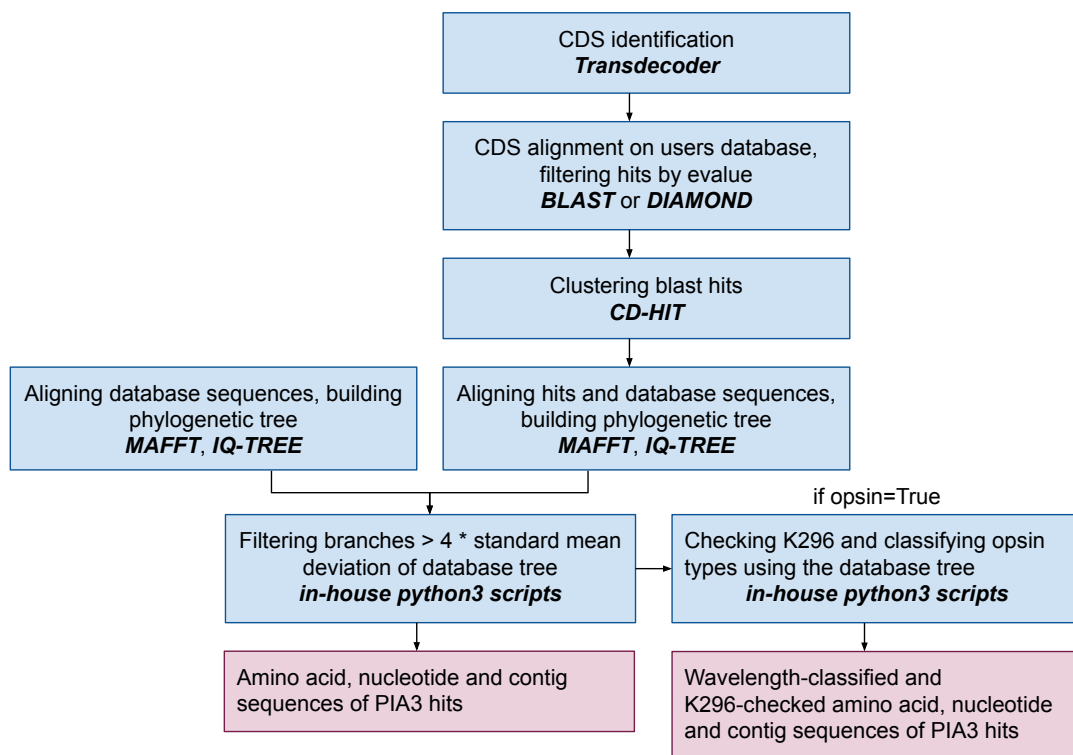


Figure S6: PIA principle.

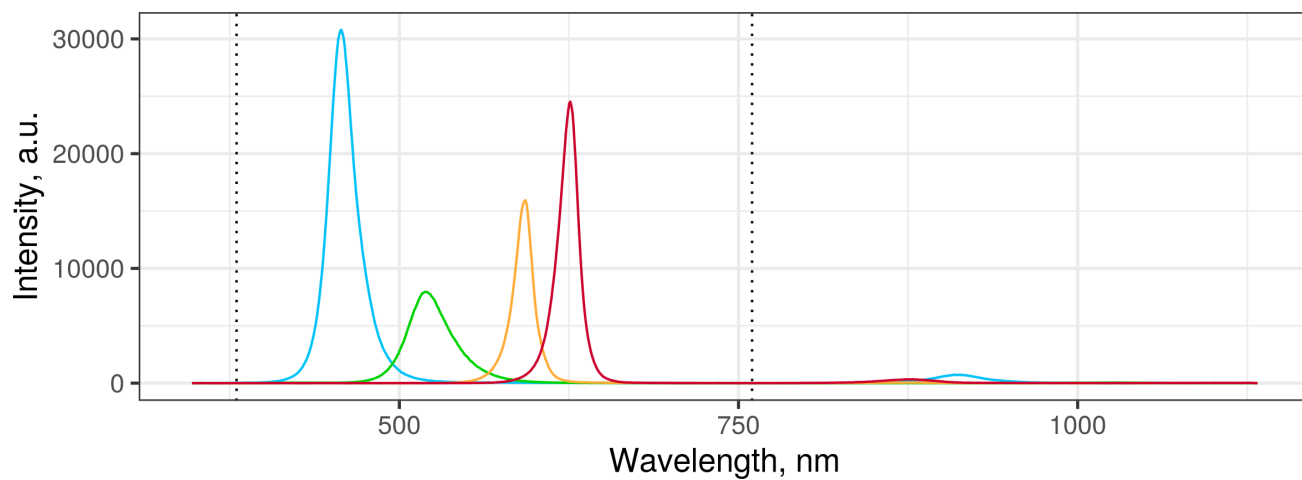


Figure S7: Emission spectra of the LED light sources.