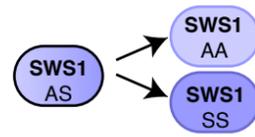


A. UV features in damselfish

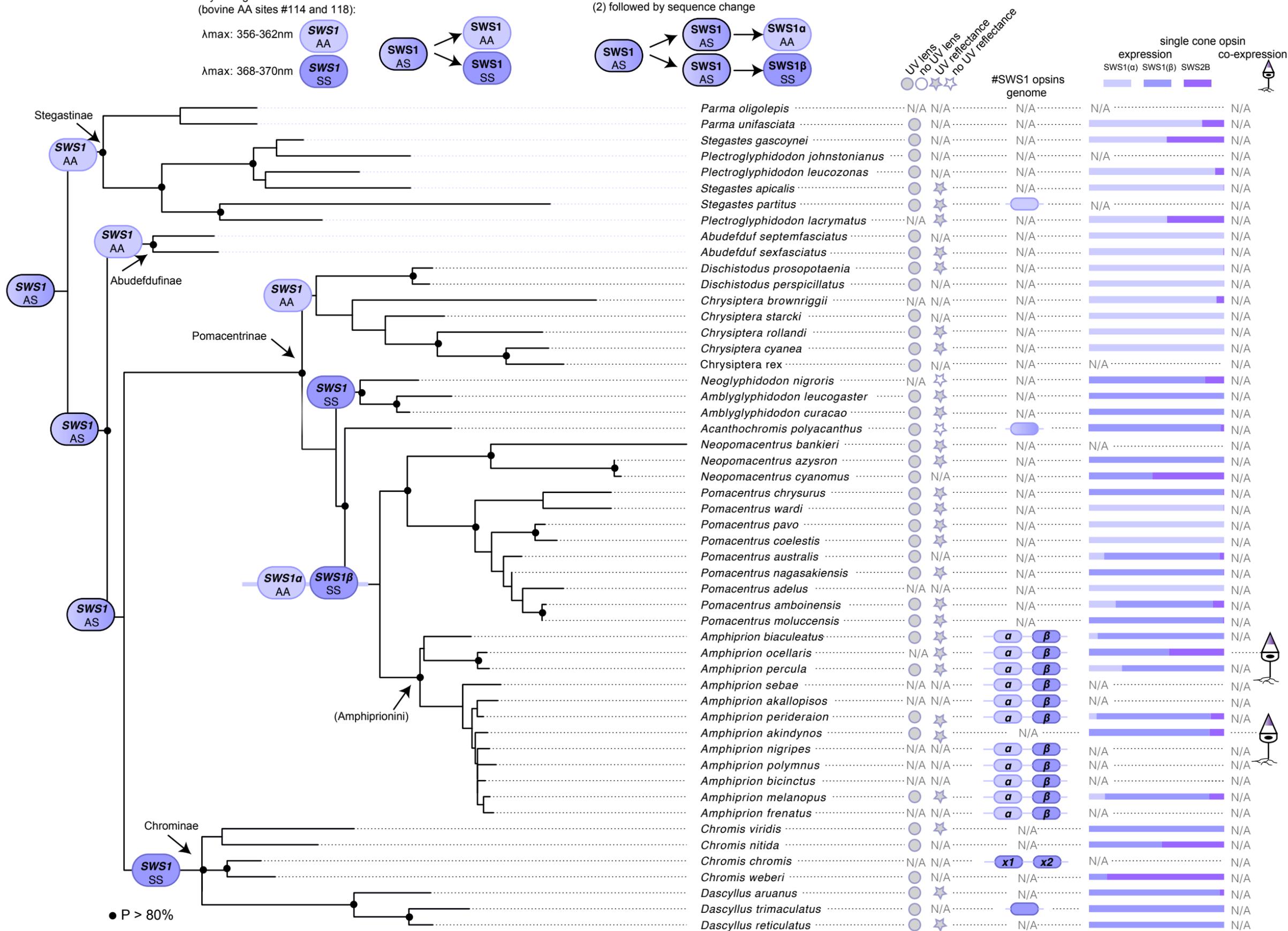
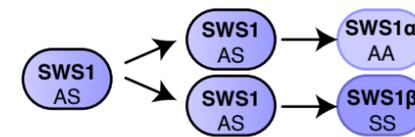
Spectral tuning at SWS1 key tuning sites (bovine AA sites #114 and 118):

λ_{max} : 356-362nm
 λ_{max} : 368-370nm

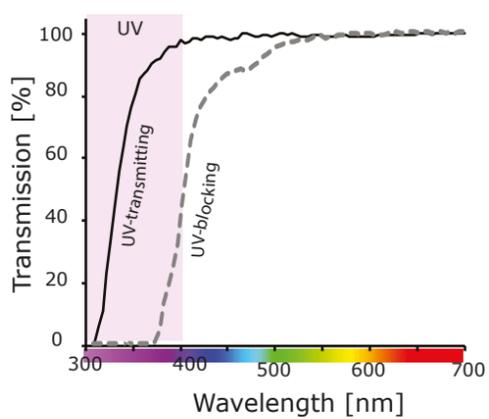
Spectral tuning through (1) sequence change



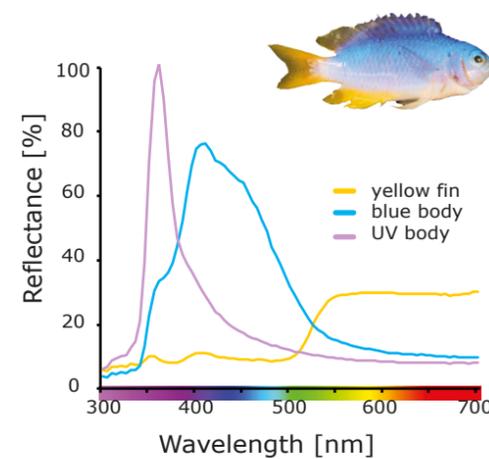
Spectral tuning through (1) duplication of SWS1 (2) followed by sequence change



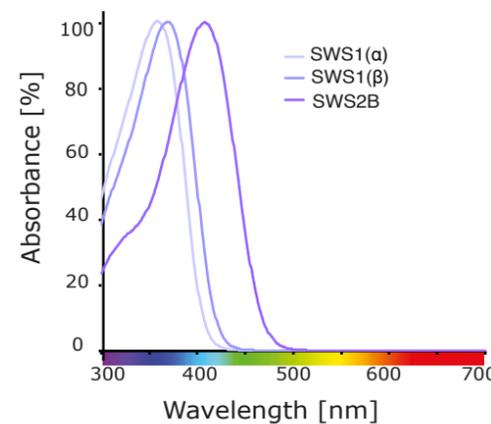
B. Lens transmission



C. Spectral reflectances of *Pomacentrus coelestis*



D. SWS opsin spectral absorbances



E. Retinal distribution and co-expression of single cone opsins (SWS1β and SWS2B) in *Amphiprion akindynos*

