

Additional file 9

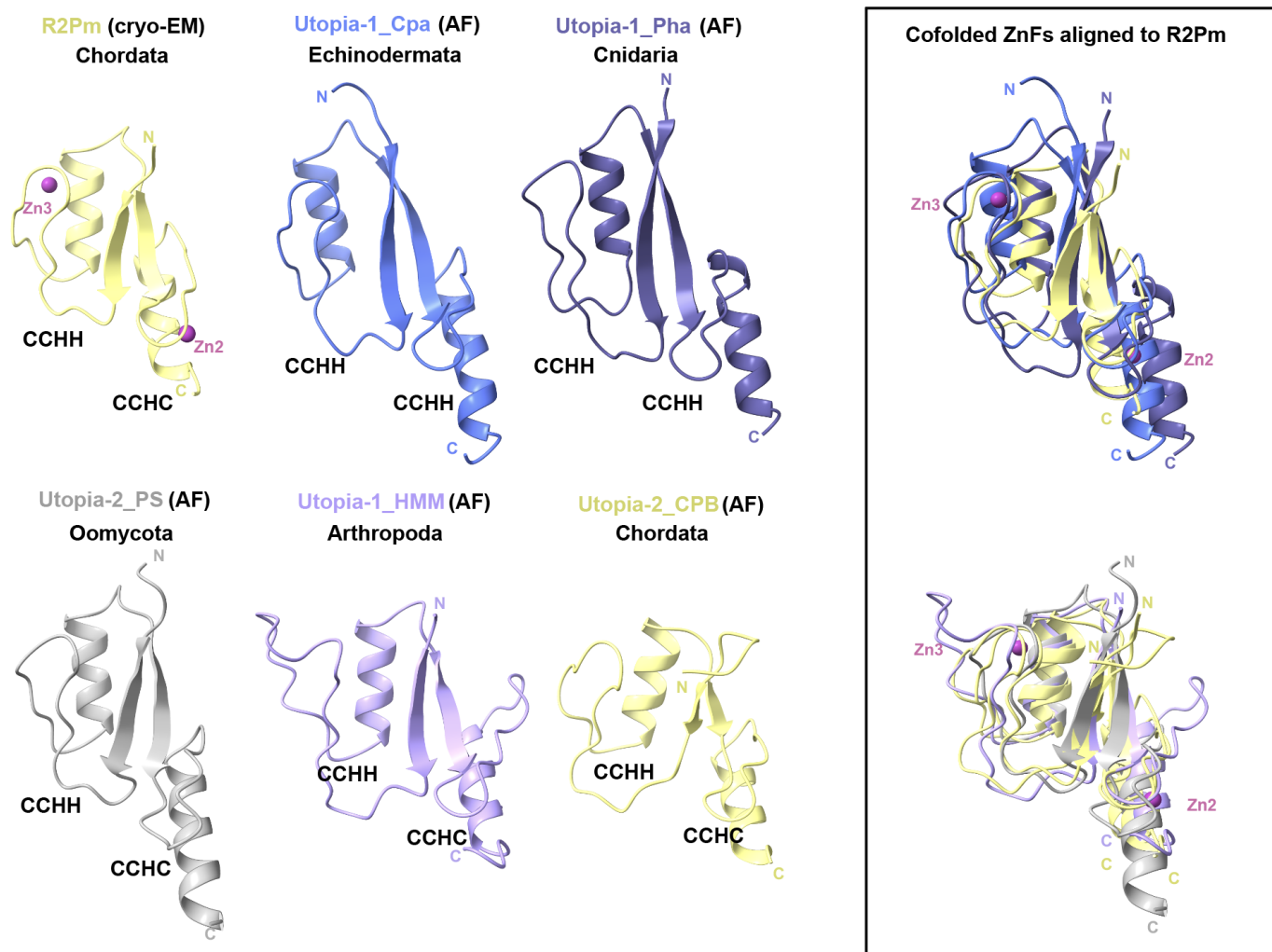


Figure S9: Cofolding ZnFs are a feature shared among R2 A-lineage and expected for some Utopia. Protein segments that encode for cofolding ZnFs are displayed, which correspond to ZnF3:2 in the experimental structure of PlaMe (R2Pm) and ZnF2:1 of all Utopia elements indicated (AlphaFold models, AF). Individual protein folds are coloured according to the phyla discussed in the main text. Structural alignments for each row relative to R2Pm ZnF3:2 fold are made on the right (boxed), where the top panel includes three structures and the bottom alignment a total of four. The names of the host species not provided in the main text include those annotated by us, *Crossaster papposus* (Cpa), *Phenganax stokvisi* (Pha), and those previously annotated [12, 21] *Phytophthora sojae* (PS), *Heliconius melpomene* (HMM), *Chrysemys picta bellii* (CPB).