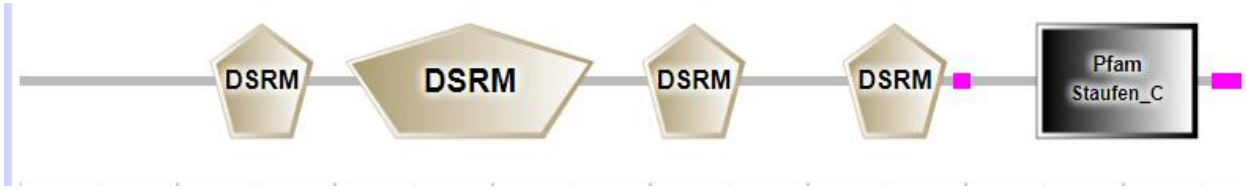
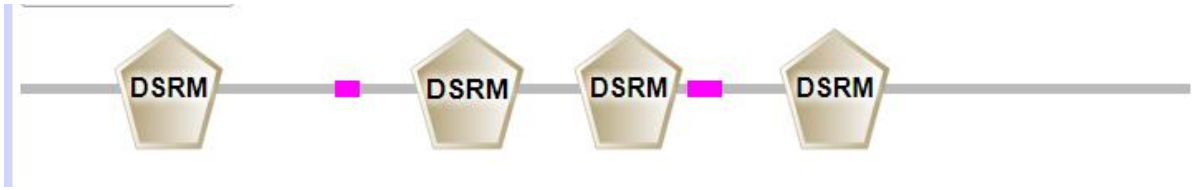
Fig. S1 TheStaufen sequences and their domains characterized across different insect species using SMART (Simple Modular Architecture Research Tool)

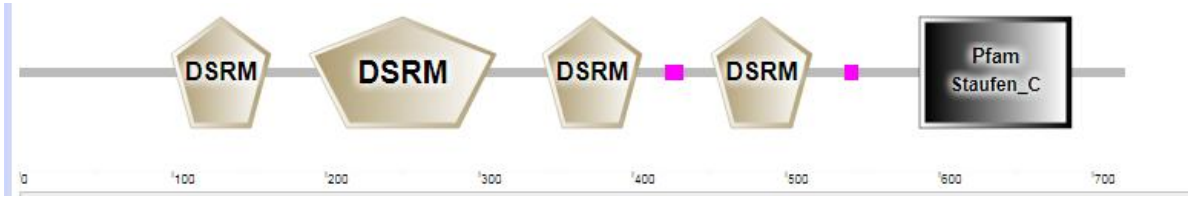
Thripstabaci



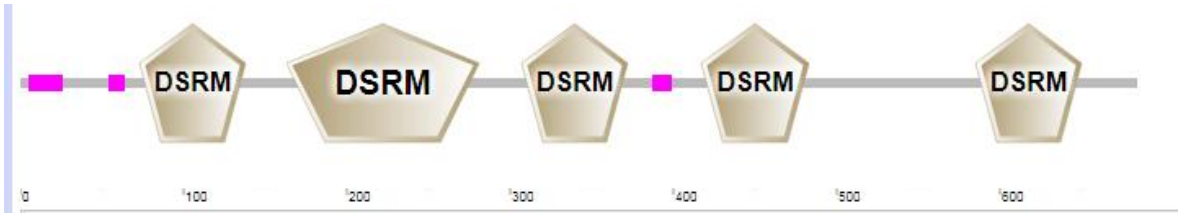
*Frankliniellaoccidentalis*XM_026420079.1



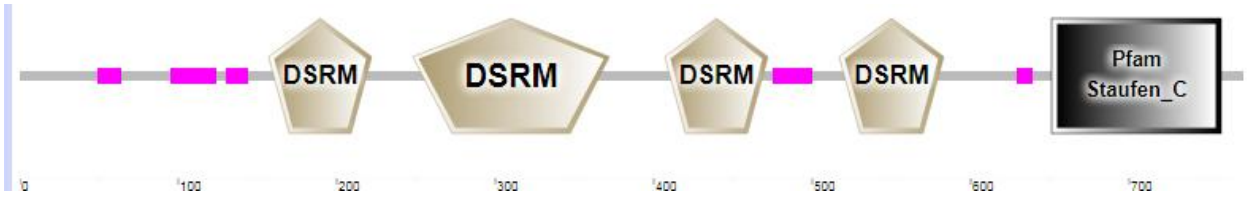
Leptinotarsadecemlineata XP_023023346.1



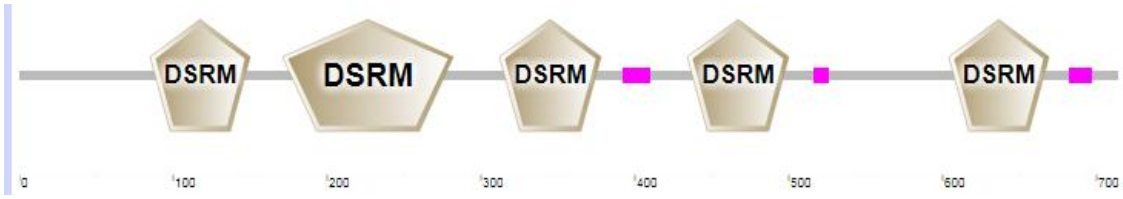
*Triboliumcastaneum*EFA11564.2



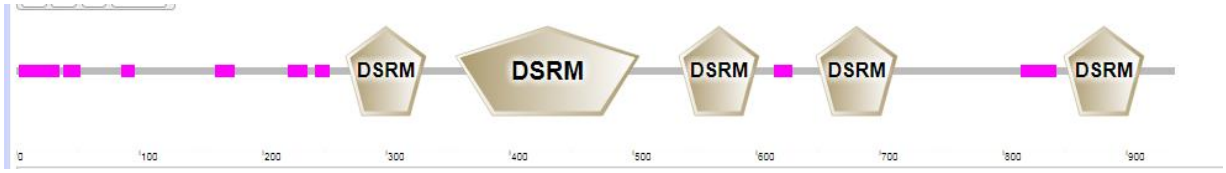
Onthophagustaurus XP_022914722.1



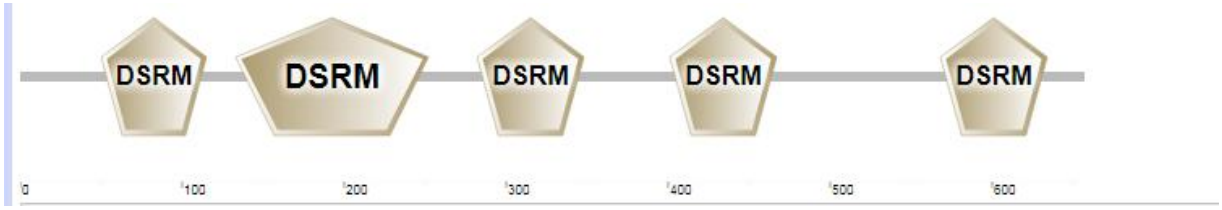
Riptortuspedestris BAN21133.1



*Culexquinquefasciatus*XM_001841817.1

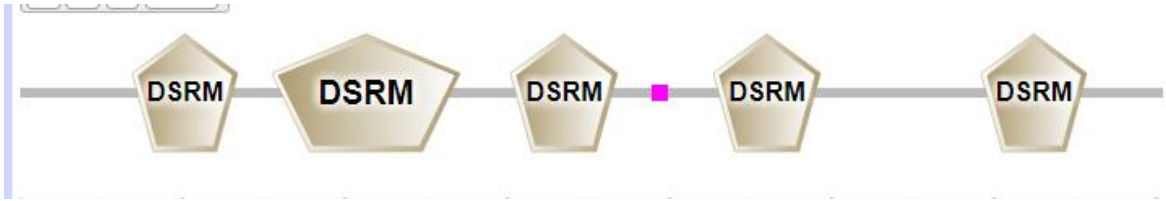


Phenococcussolenopsis (SRP133470)

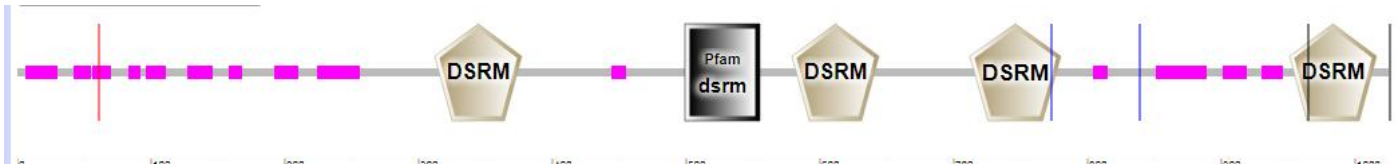


Bemisiatabaci(MAMS00000000)

*Cimexlectularis*XM_014397141.2



*Drosophila malenogaster*NM_001169714.2



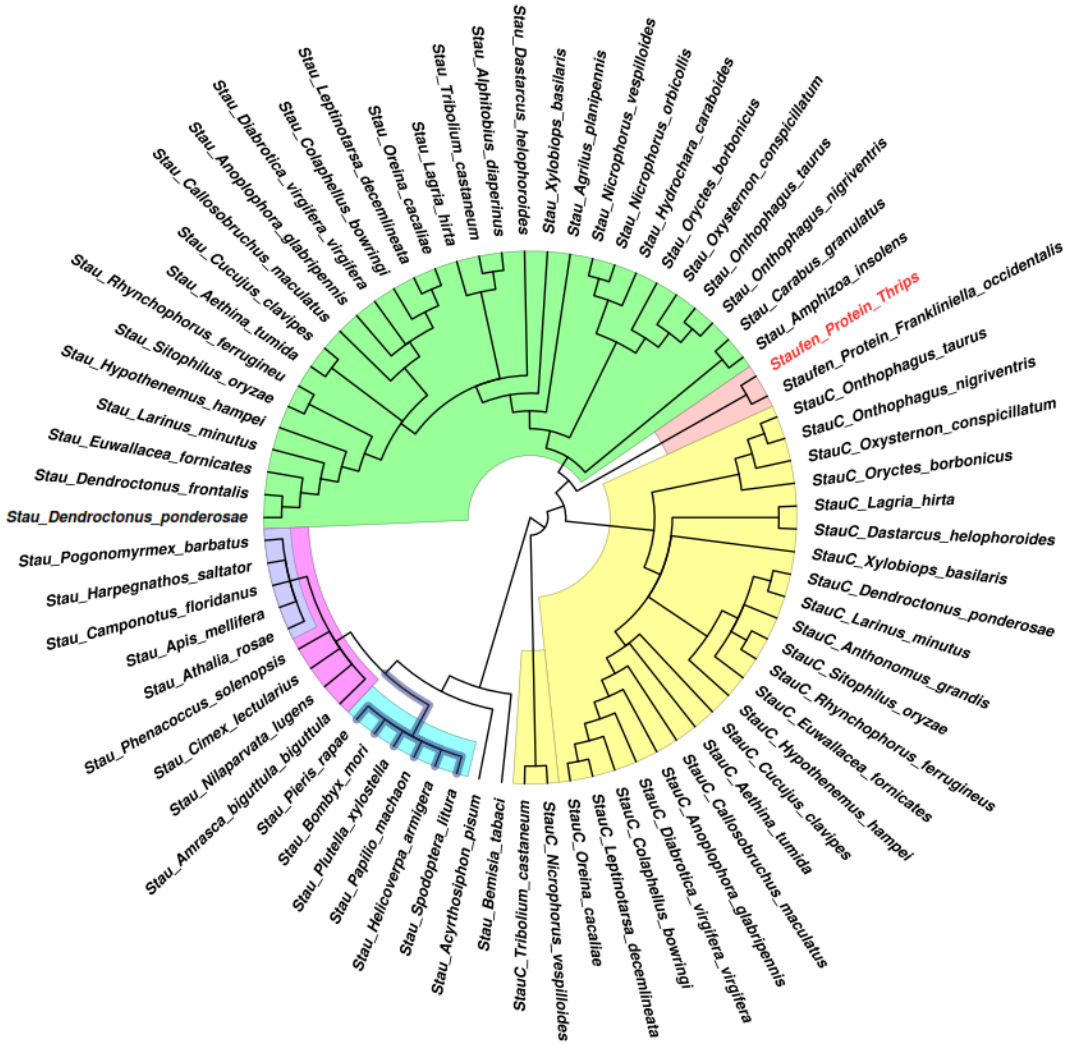
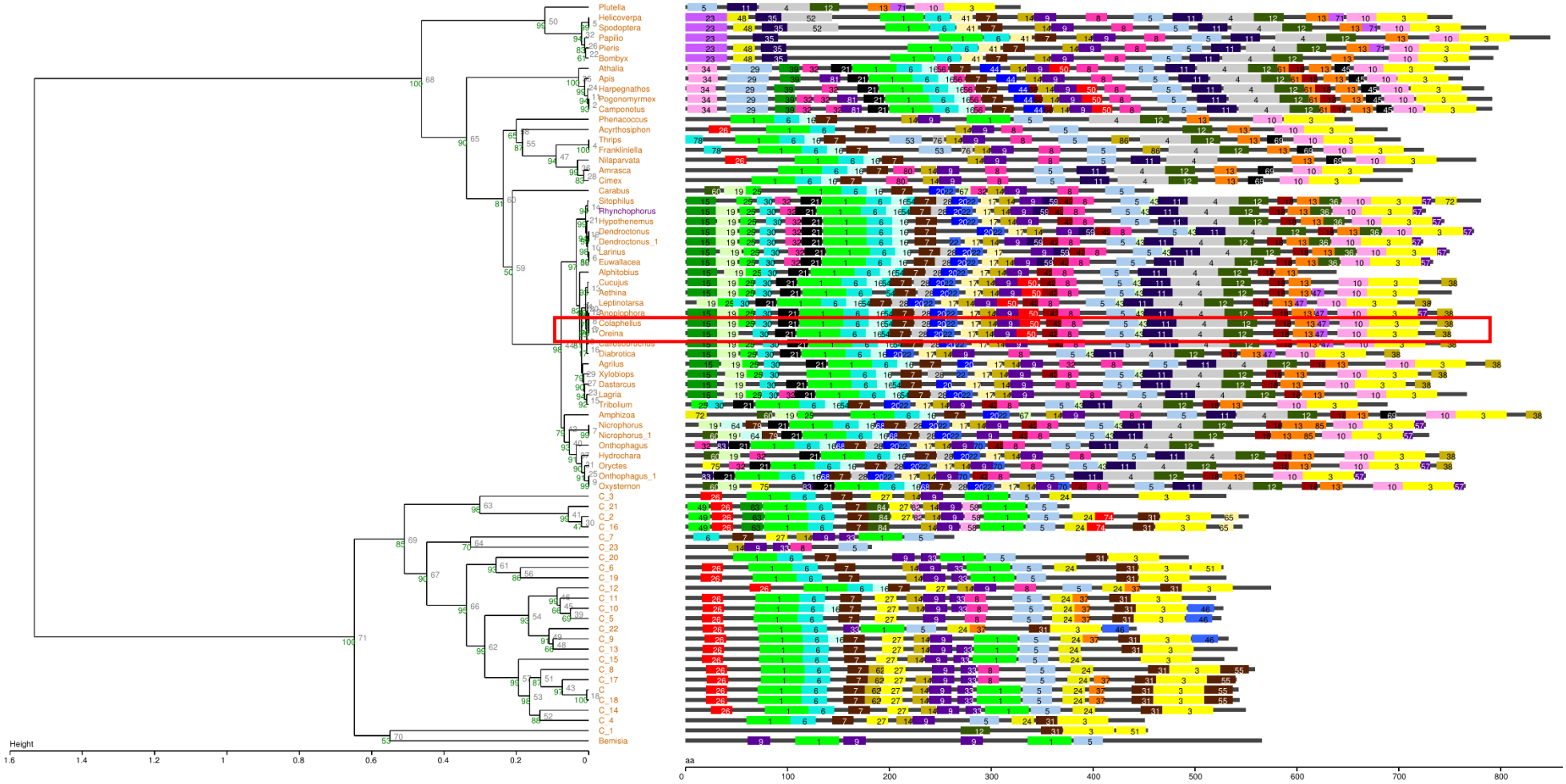


Fig. S2 Phylogenetic analysis of Staufenand StauCsequences within insects of different orders



Unique Motifs

Motif 78: >Thrips- MPAPVMVQSAPAQPSGF>Frankliniella-MPSPVMVQSAPAQPSGY

Motif 53:>Thrips-YFRPAYPGQVRPSNPCGEMAAWGHPRPPMNMY >Frankliniella-YNHHQVEFQIRPPNPCGEMAAWGPPRPTINMY

Motif 76:>Thrips-QRYYAKPSIYP>Frankliniella-QRYYAKPSIYP

Motif 86:>Thrips-NLIKEPKPASPVESPTH>Frankliniella-NLIKEPKPASPVESPTH

Fig.S3 Phylogenetic analysis of Staufen and StauC sequences within insects of different orders using SALAD for the depiction of unique protein motifs in *Thripstabaci*