



**Chemoreceptors in filarial parasitic  
nematodes are evolutionary diverged**

## Chemoreceptor Family

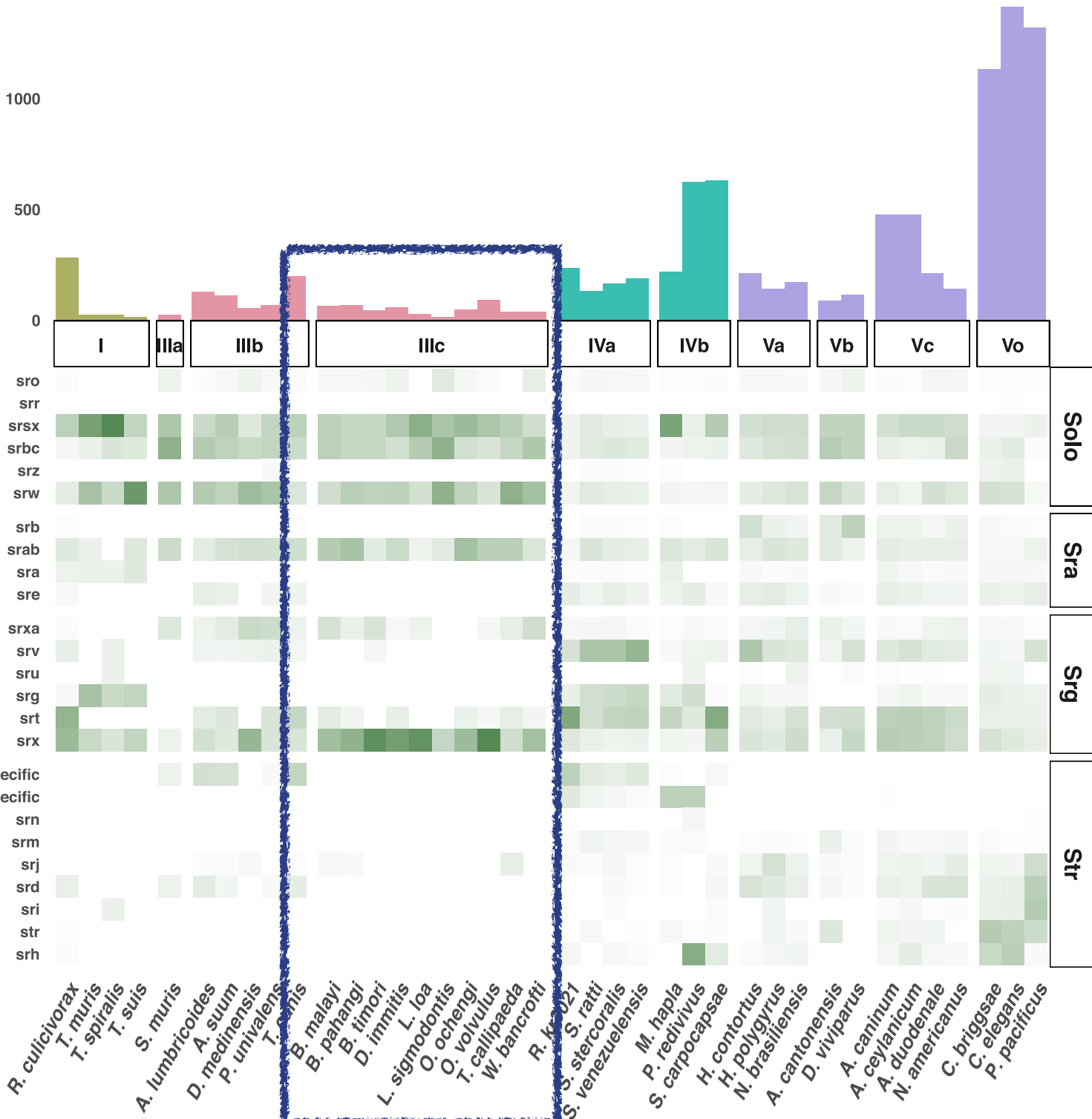
Receptor Count

Clade

I  
IIIa  
IIIb  
IIIc  
IVa  
IVb  
Va  
Vb  
Vc  
Vo

Fraction Total  
(per species)

0.4  
0.3  
0.2  
0.1

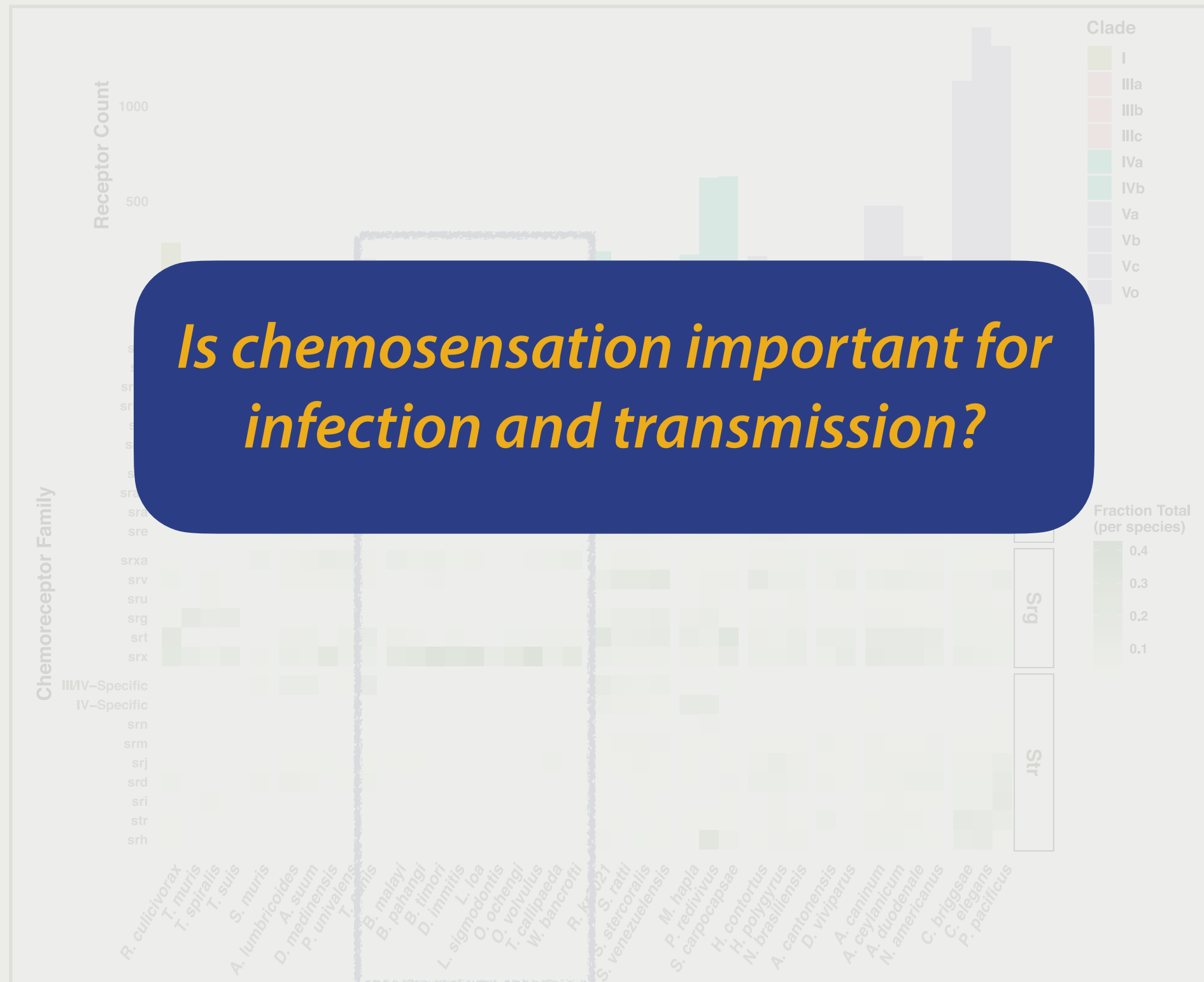


*The chemosensory pathway is shared among nematodes, with key differences between free-living and parasite species*

*Is chemosensation important for  
infection and transmission?*

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# Chemoreceptors in filarial parasitic nematodes are evolutionary diverged



# The chemosensory pathway is employed during infection and migration within mosquitoes

