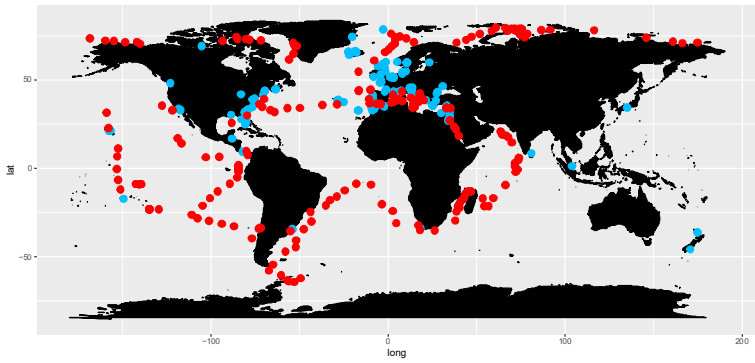
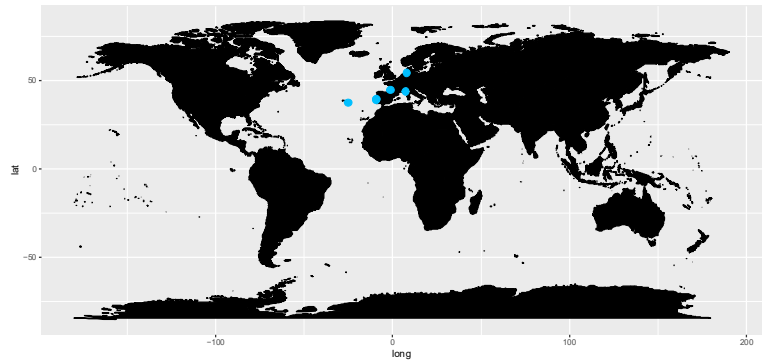


Article S1. Distribution maps of *Chaetoceros* species using OSD and Tara Oceans datasets.

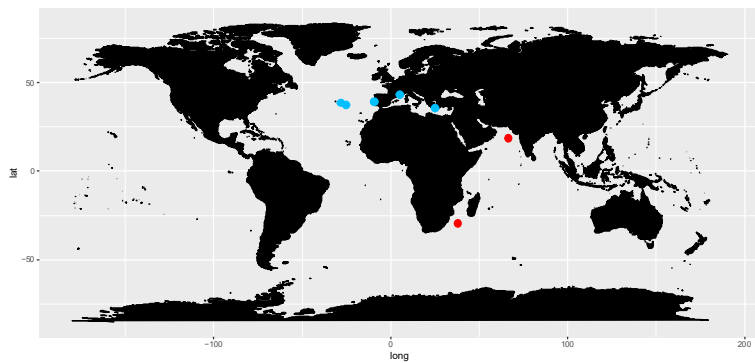
OSD (blue dots) and Tara Oceans (red dots) stations.



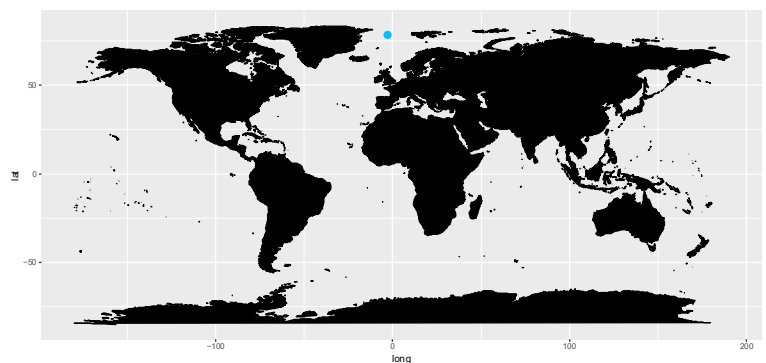
*C. affinis*



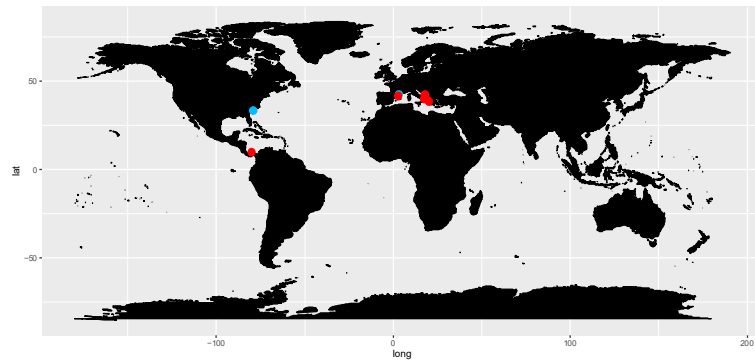
*C. anastomosans*



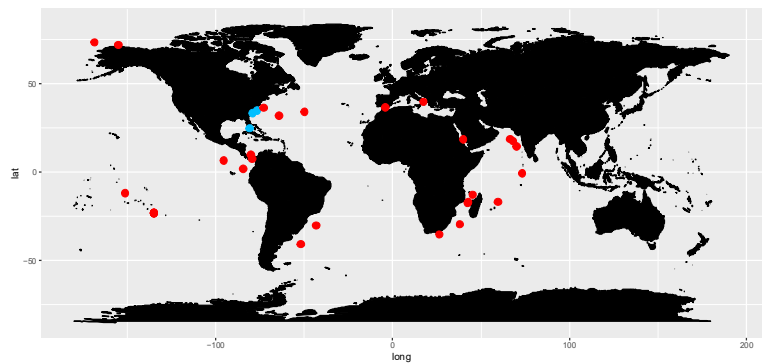
*C. atlanticus*



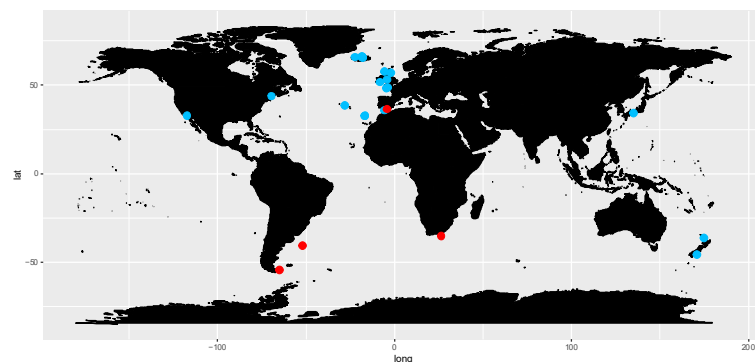
*C. brevis* 1



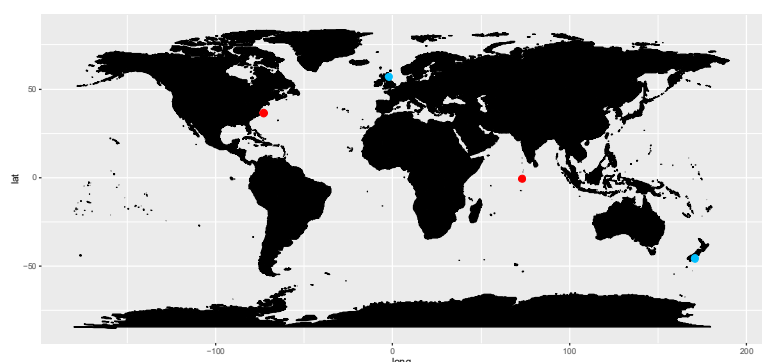
*C. brevis* 2



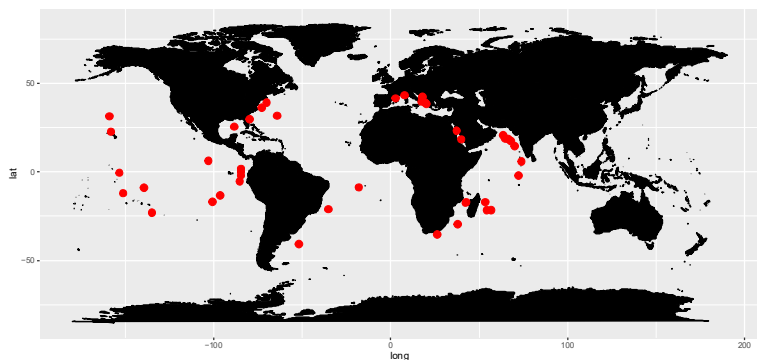
*C. brevis* 3



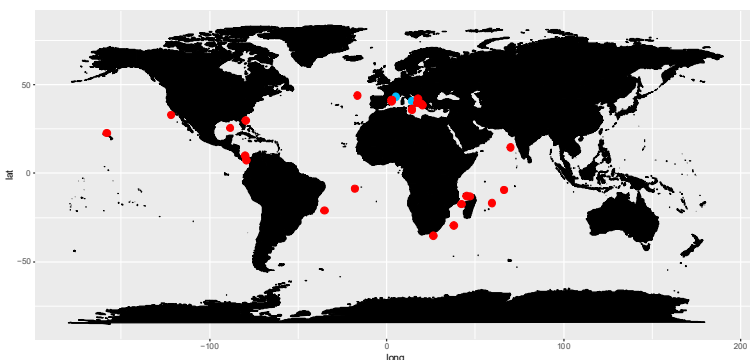
*C. cf. convolutus*



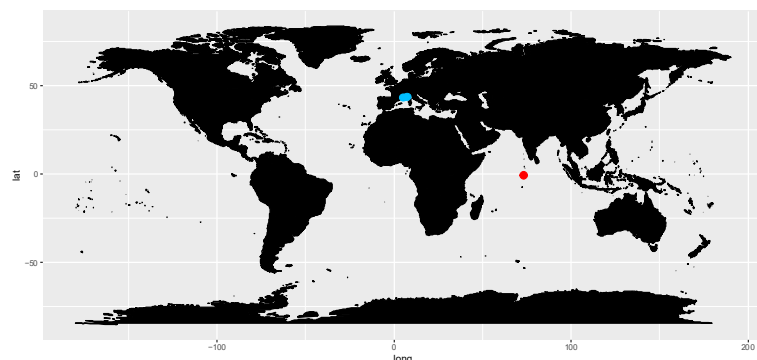
*C. cf. pseudodichaeta*



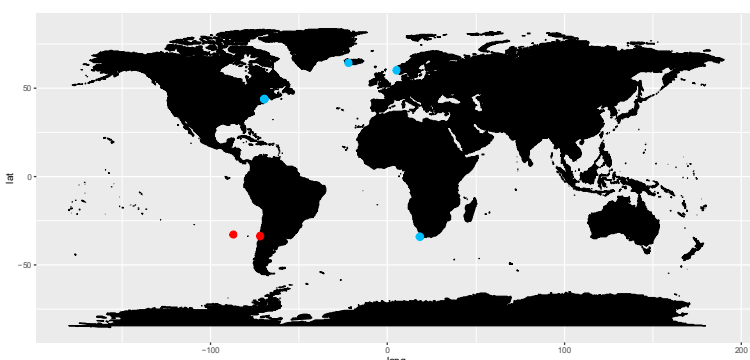
*C. cf. tortissimus*



*C. cf. vixvisibilis*

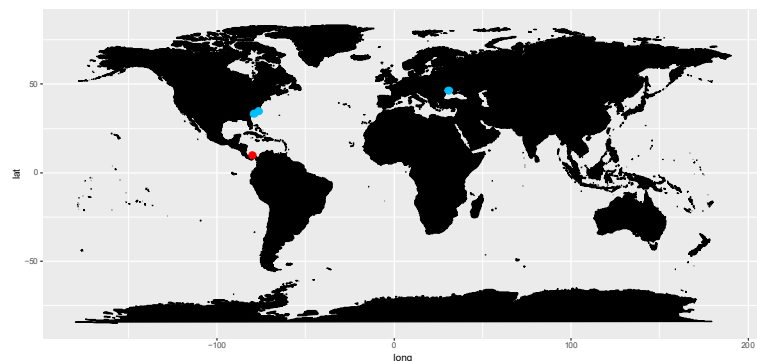


*C. cinctus*

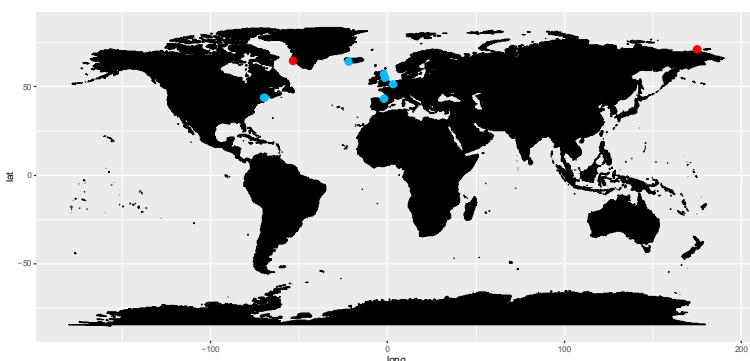


Note: Tara Oceans distribution (red dot) might refer to *C. sp. Na28A1* due to identical reference sequences in Tara Oceans dataset.

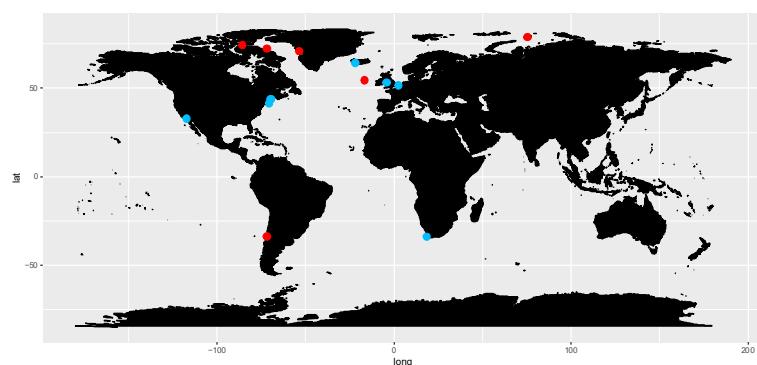
*C. circinalis*



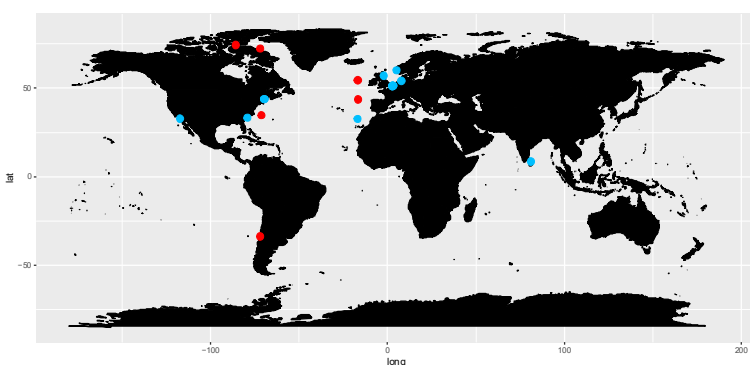
*C. constrictus*



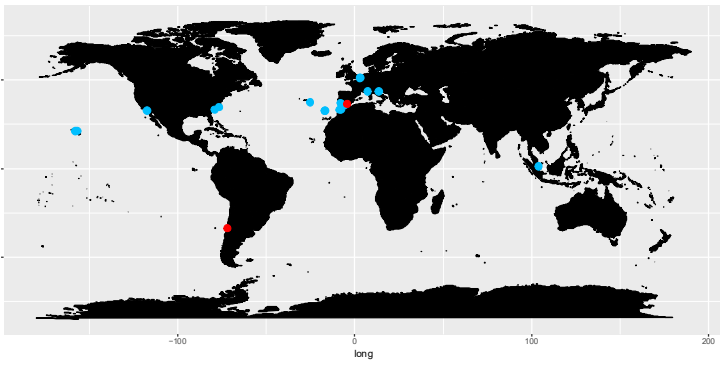
*C. contortus*



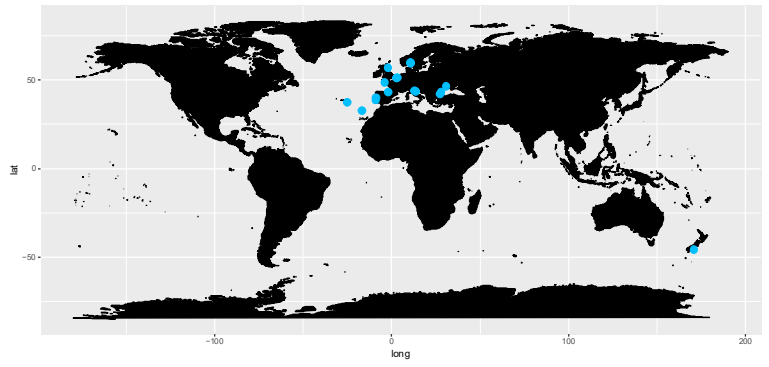
*C. contortus* cf. var. *contortus*



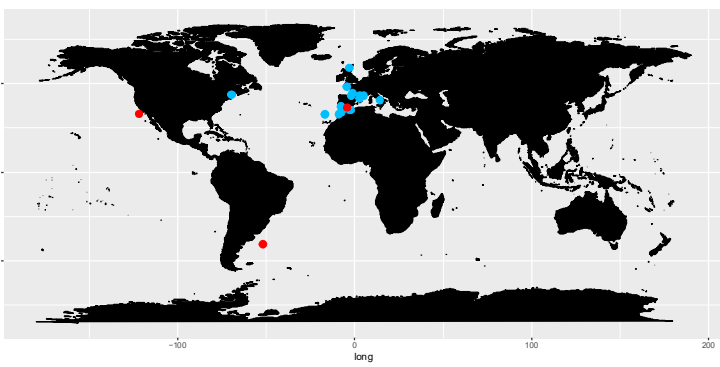
*C. costatus*



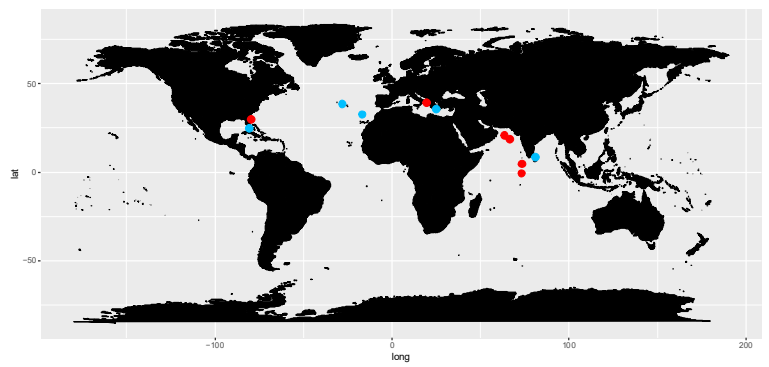
*C. curvisetus* 1



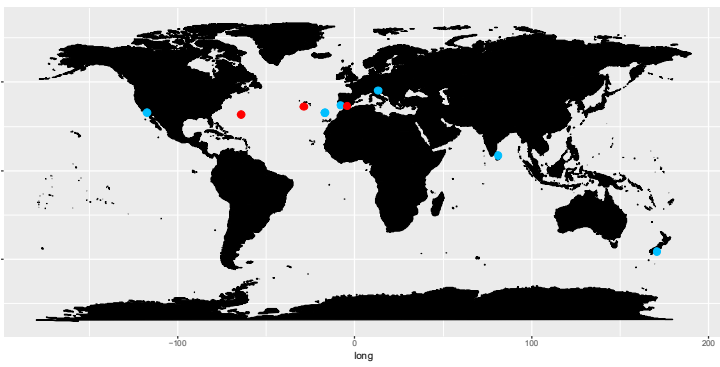
*C. curvisetus* 2



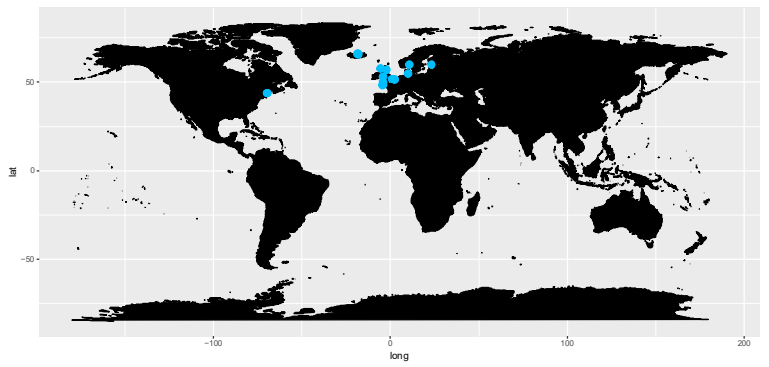
*C. curvisetus* 3



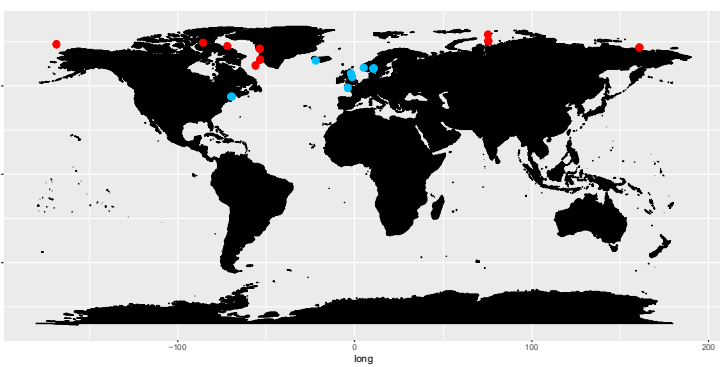
*C. danicus* (strain newCB1)



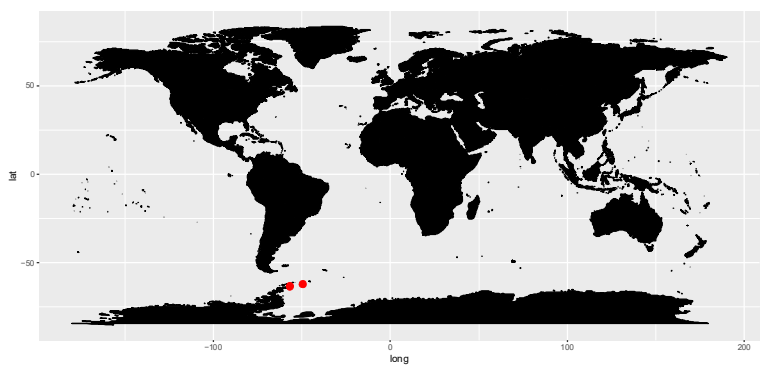
*C. danicus* (strain RCC2565)



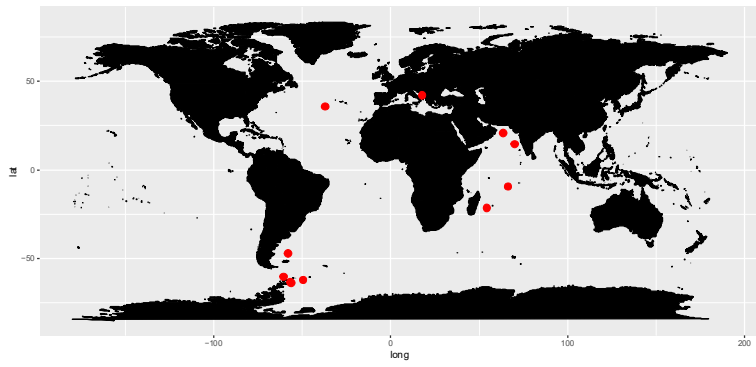
*C. debilis* 1



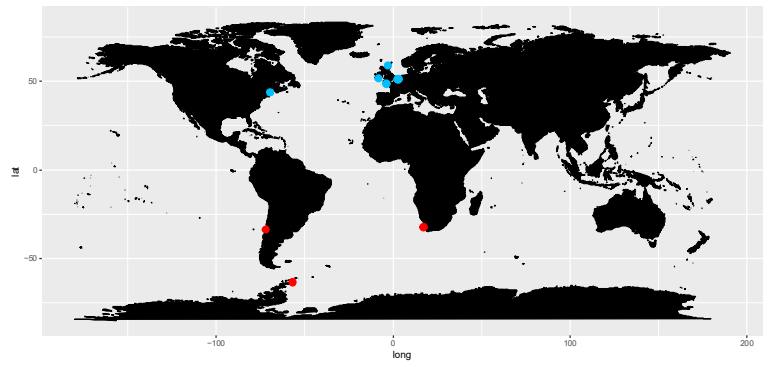
*C. debilis* 2 (strain L38-A2)



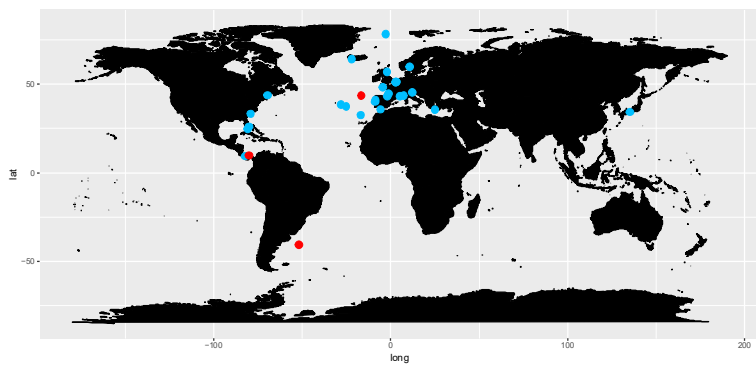
*C. debilis* 2 (strain MM24-A3)



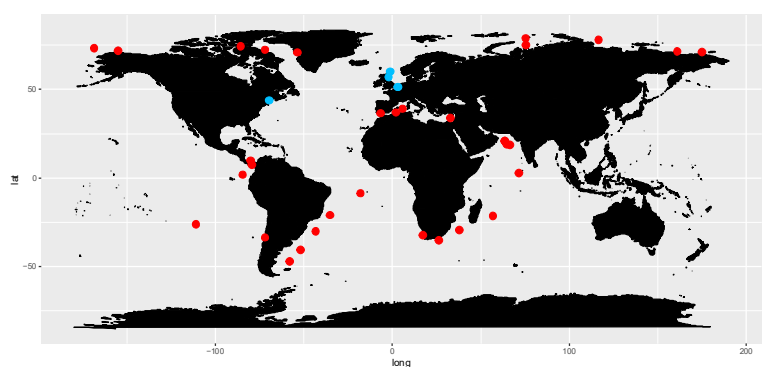
*C. debilis* 3



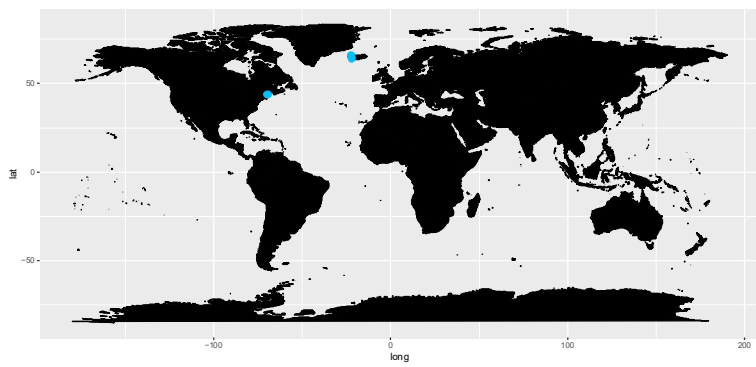
*C. decipiens*



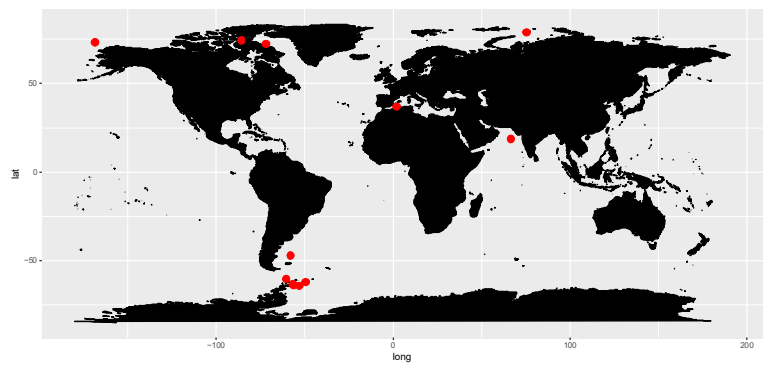
*C. diadema* 1



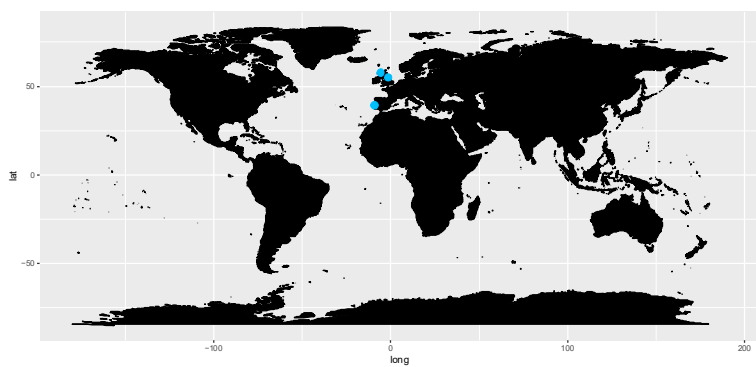
*C. diadema* 2



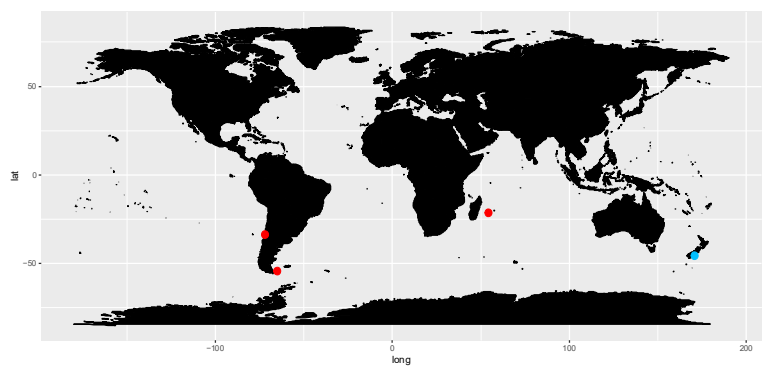
*C. dichæta*



*C. dichatoensis*

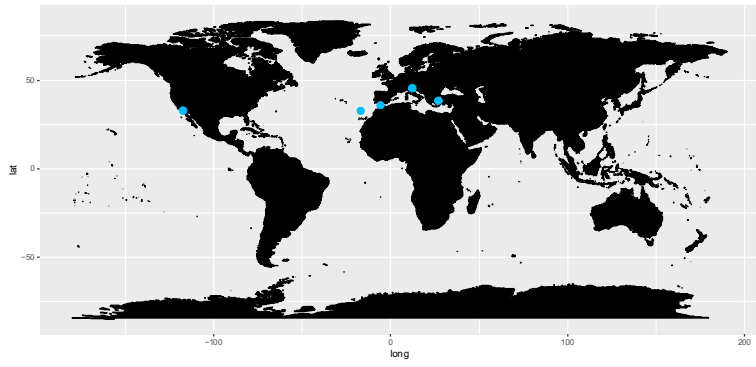


*C. didymus* 1

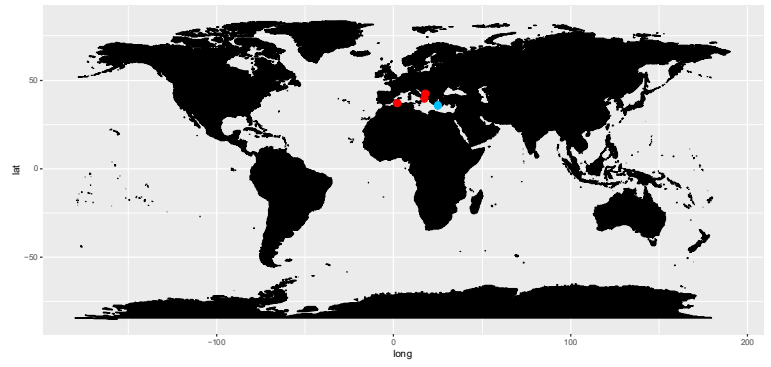




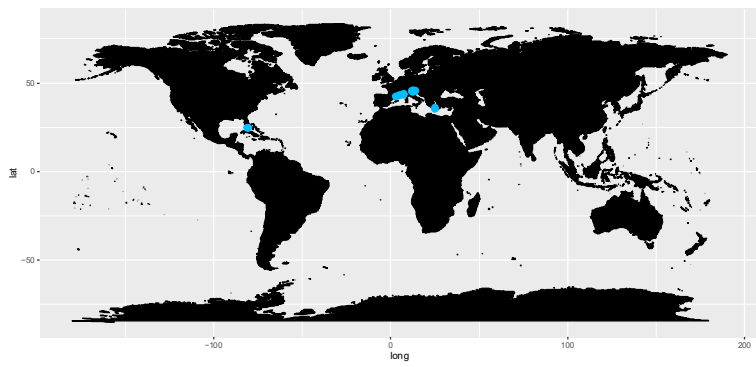
*C. didymus* 2



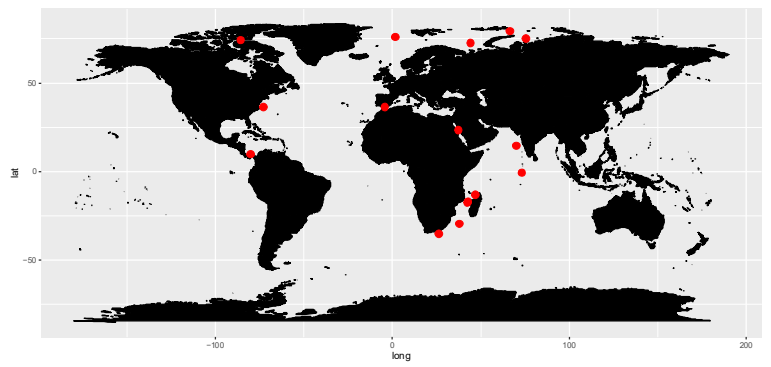
*C. diversus* 1



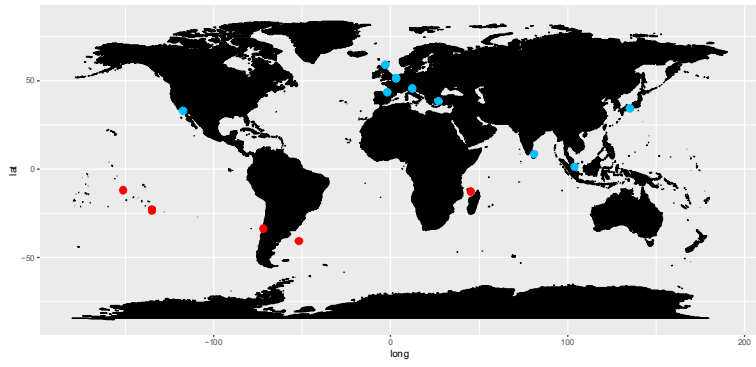
*C. diversus* 2



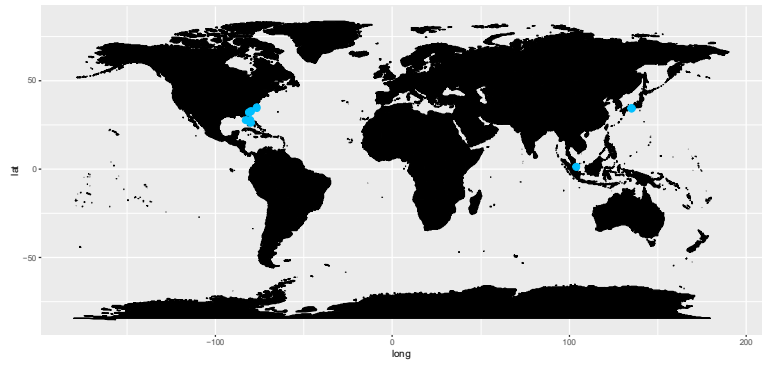
*C. eibenii*



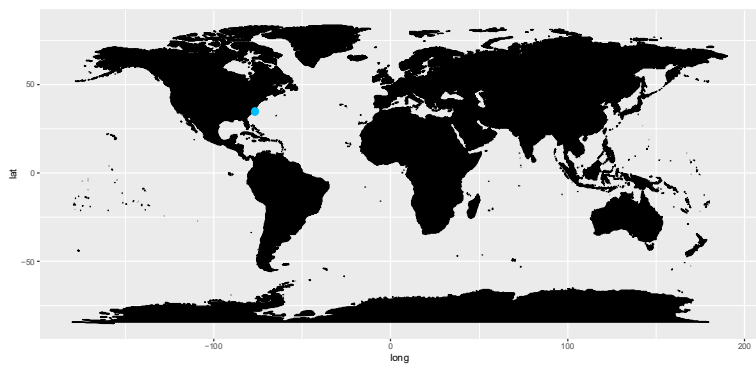
*C. elegans* (strain Ch12A1)



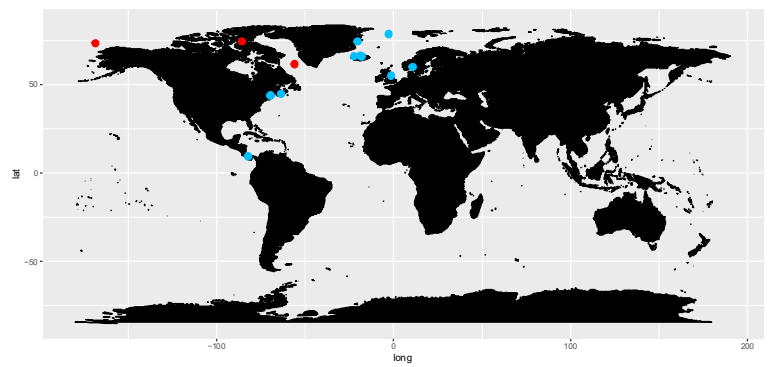
*C. elegans* (strain MC1001)



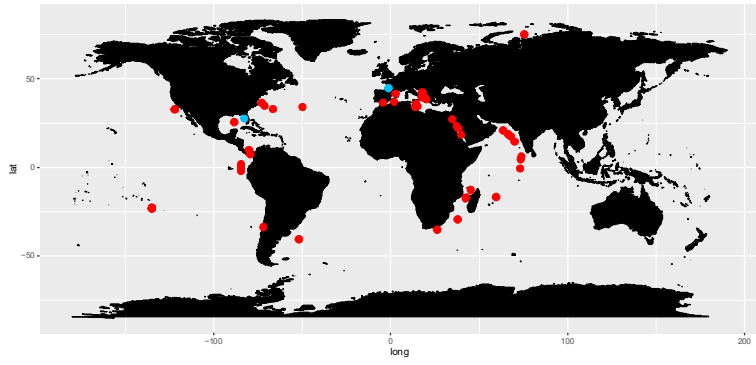
*C. elegans* (strain MC785)



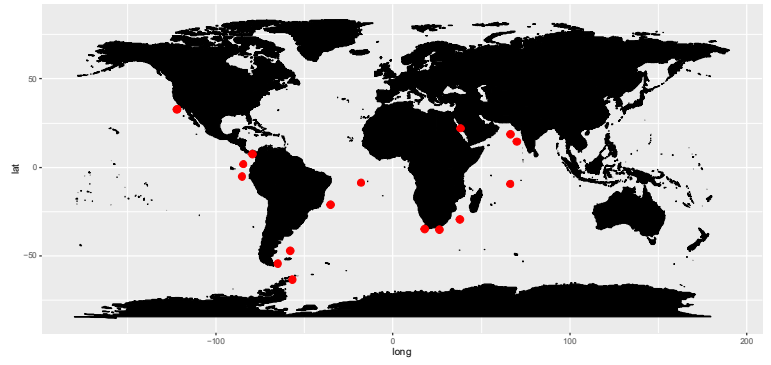
*C. gelidus*



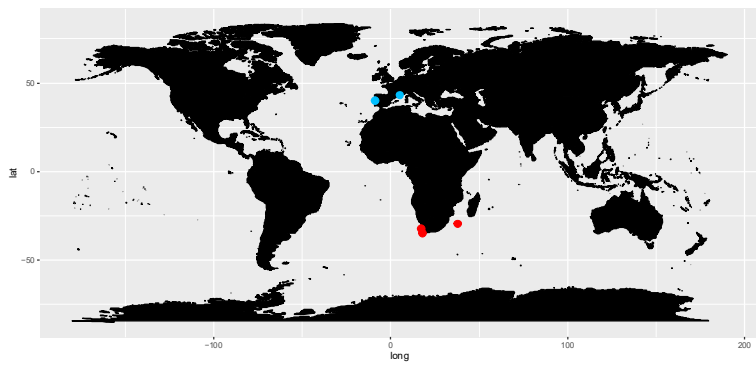
*C. lauderi*



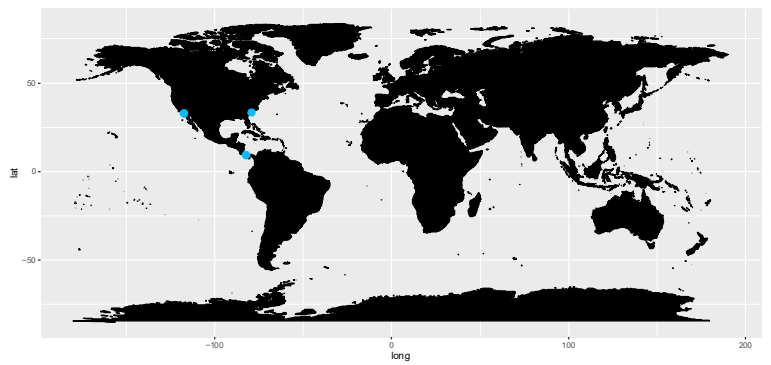
*C. lorenzianus 1*



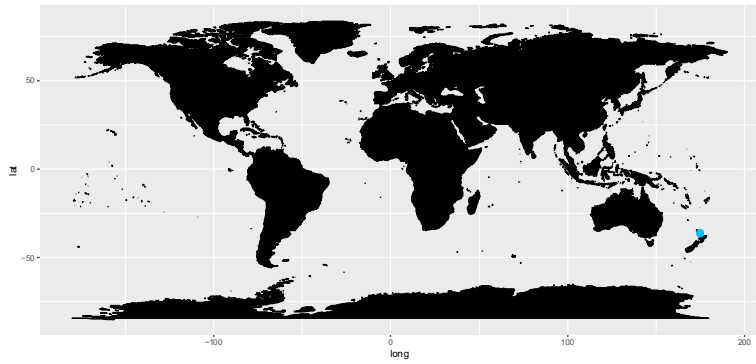
*C. lorenzianus 2*



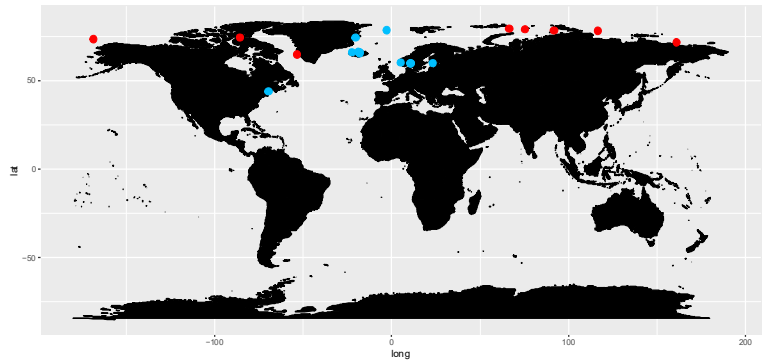
*C. mannaii*



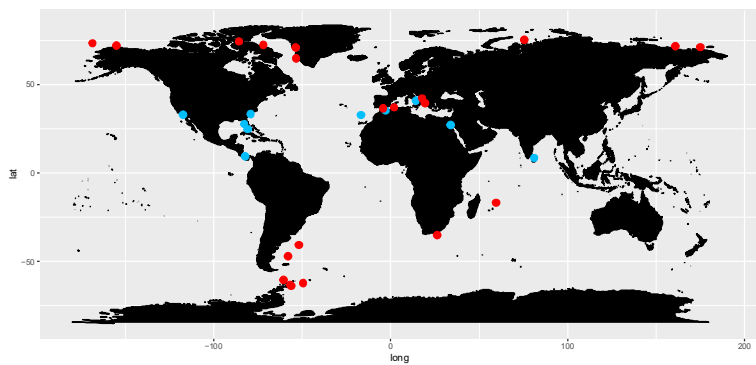
*C. minimus*



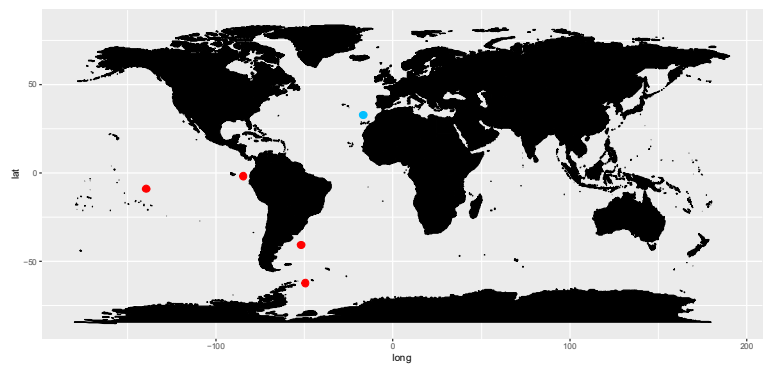
*C. neogracilis*



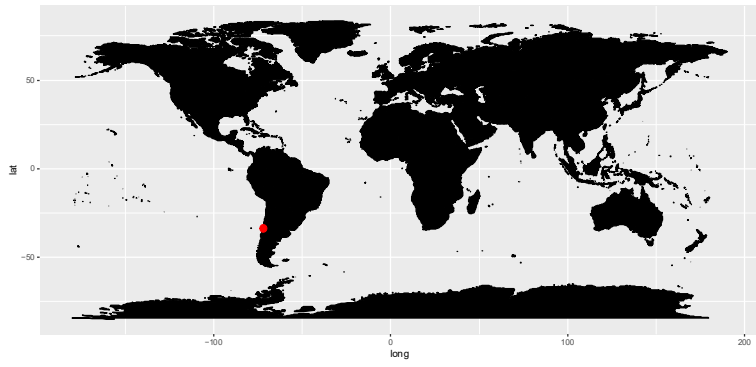
*C. peruvianus 1*



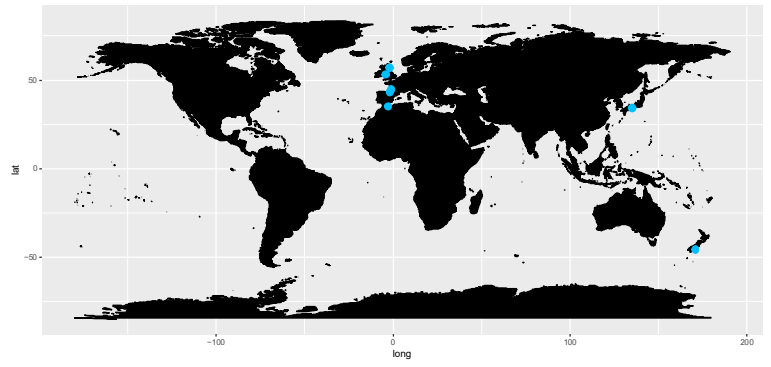
*C. peruvianus 2*



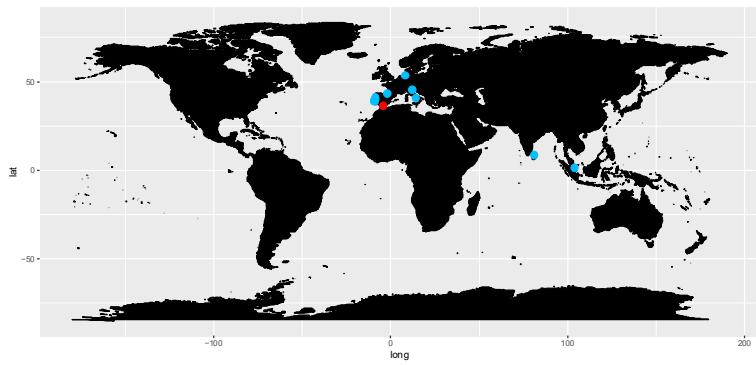
*C. protuberans* (strain Bristol)



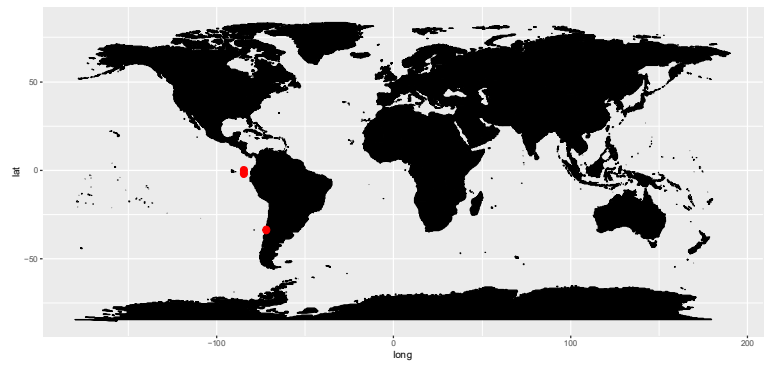
*C. protuberans* (strain newJC4)



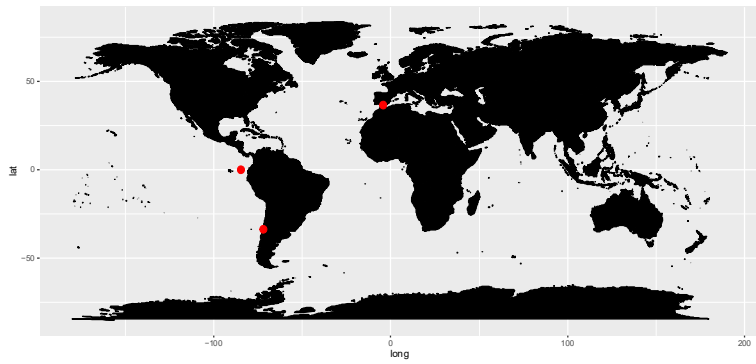
*C. pseudocurvisetus*



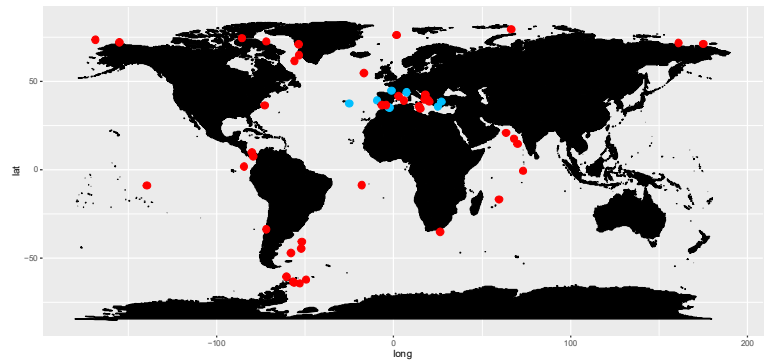
*C. radicans* (strain CCMP197)



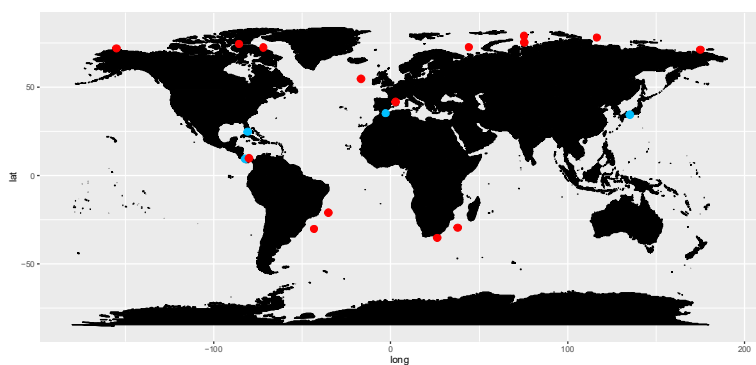
*C. radicans* (strain Ch11A4)



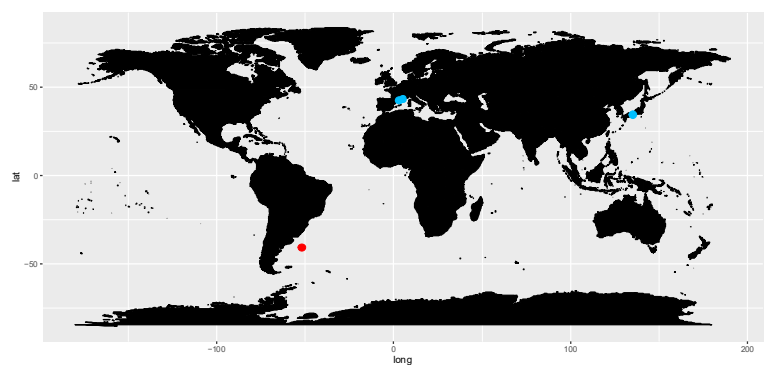
*C. rostratus*



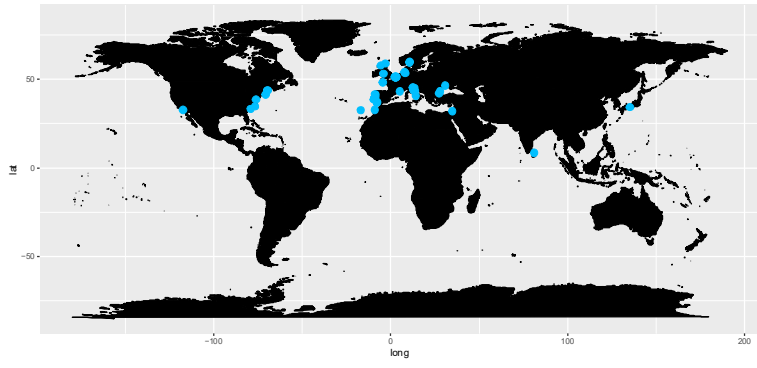
*C. rotozporus*



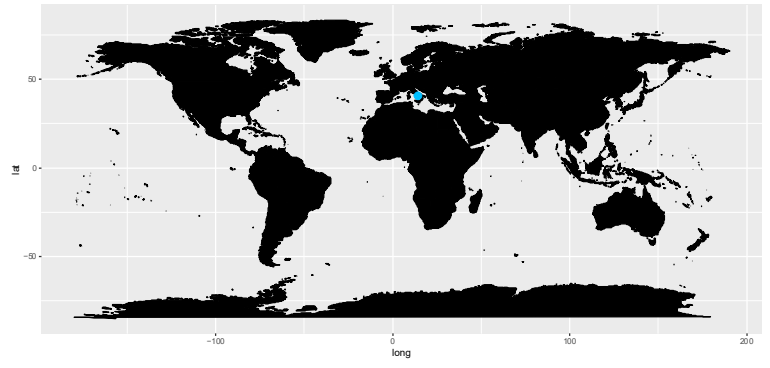
*C. seiracanthus*



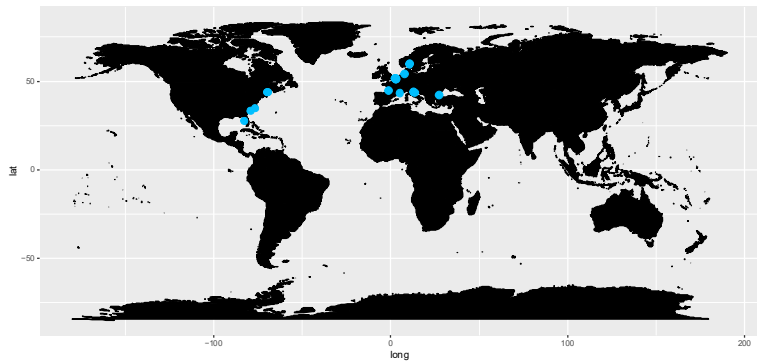
*C. socialis*



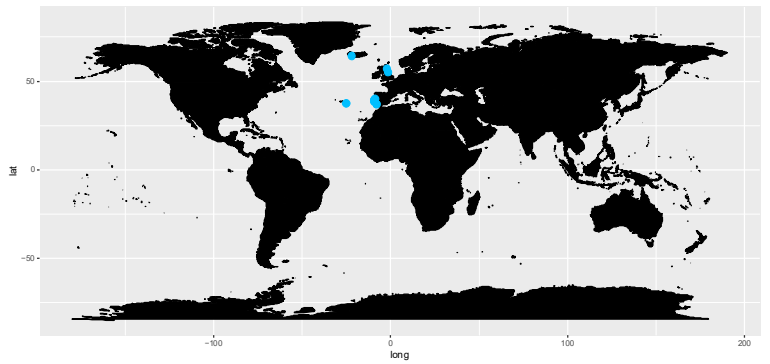
*C. sp. Clade CDP22*



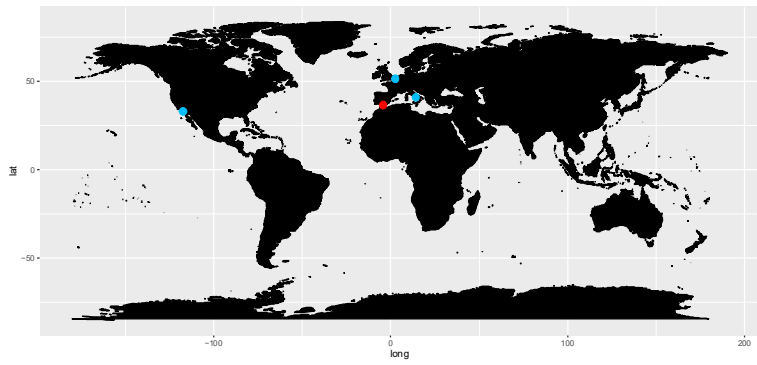
*C. sp. Clade Na11C3*



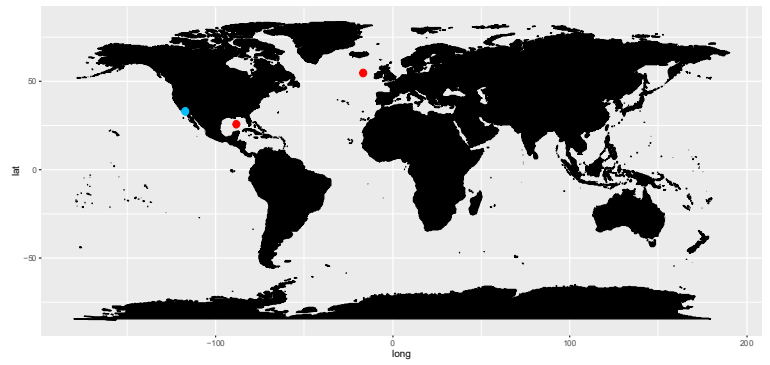
*C. sp. Clade Na12A3*



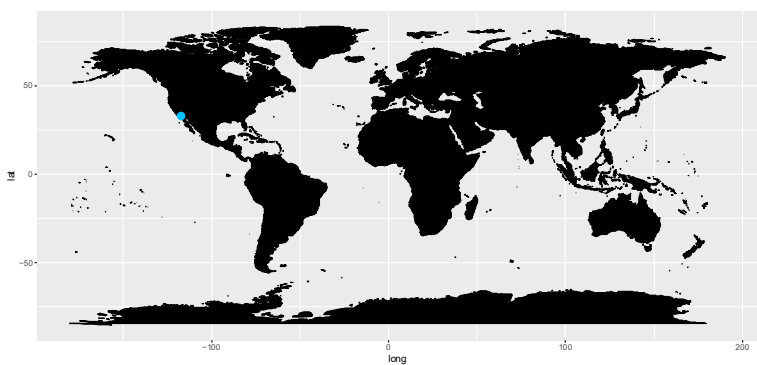
*C. sp. Clade Na13C1*



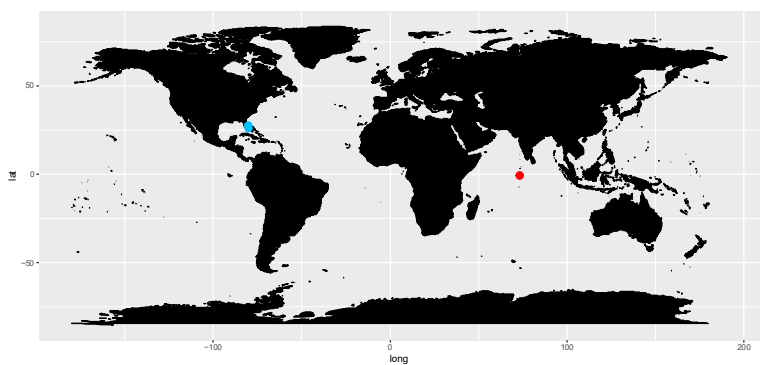
*C. sp. Clade Na17B2*



*C. sp. Clade Na26B1*

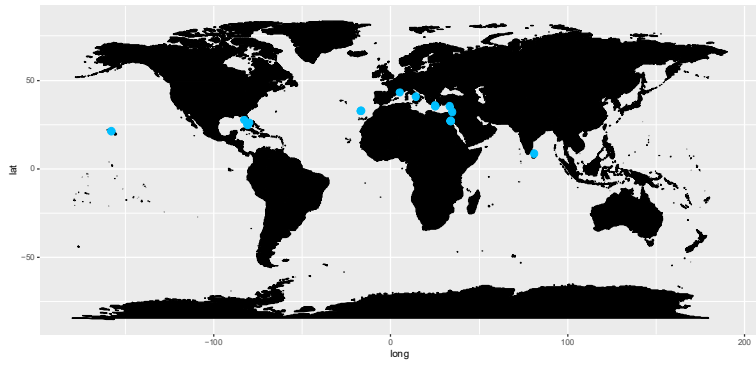


*C. sp. Clade Na28A1*

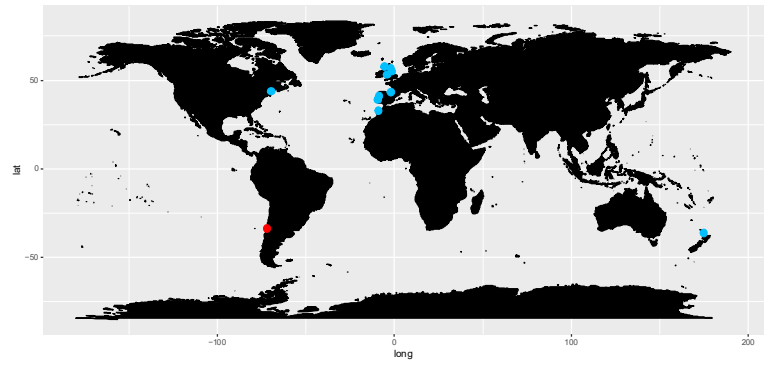


Note: Tara Oceans distribution (red dot) might refer to *C. cf. vixvisibilis* due to identical reference sequences in Tara Oceans dataset.

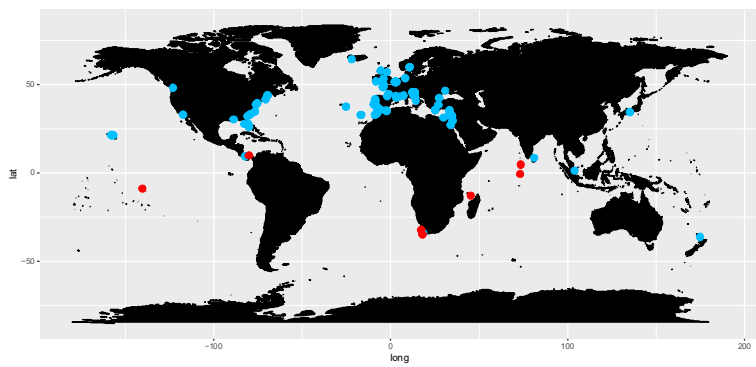
*C. sp. Clade VA7D2*



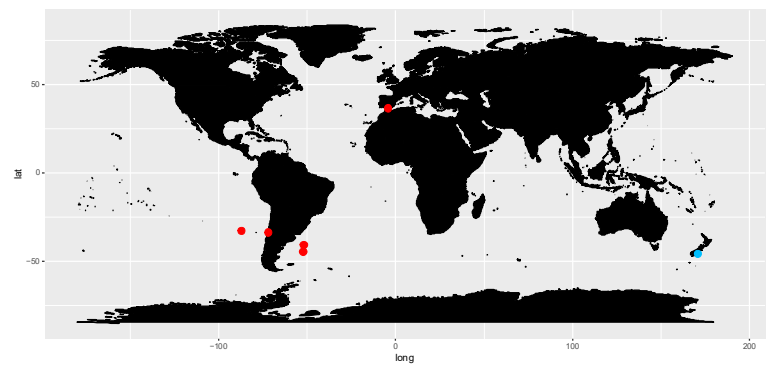
*C. sporotruncatus*



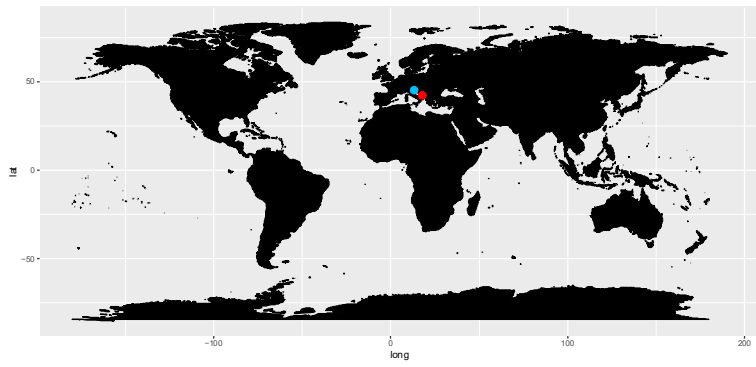
*C. tenuissimus*



*C. teres*



*C. thronsenii*



*C. tortissimus*

