



**Figure S8. Relationships among tRNA genes in *N. vectensis* and mt-tRNA genes from four demosponges.** Majority-rule consensus phylogeny obtained from Neighbor-Joining analysis using uncorrected (p) distances in PAUP 4.0b10. Numbers above nodes indicate bootstrap support from 100 replicates. Highlighted lineages indicate mt-tRNA genes from demosponges. Blue-colored lineages indicate mt-tRNA genes from *N. vectensis*.