

Supplementary Figure 4: Cluster analysis of neuropeptide GPCRs. a) Analysis of rhodopsin type neuropeptide GPCRs. b) Analysis of secretin type neuropeptide GPCRs. Connections are based on blast similarities < 1e-50 (in a) and < 1e-70 (in b). Colour and symbol coding: magenta star = xenacoelomorph, blue filled circle = chordate, light blue square= ambulacrarian, olive upward triangle = ecdysozoan, yellow downwards triangle = spiralian, black diamond = cnidarian. A black dot inside a white circle indicates a receptor for which ligand-receptor activation has been shown before. Abbreviations are listed in Supplementary Figure 3.