



**Figure S1: Microbial co-occurrence network among OTUs during the whole development of *N. vectensis*.** Nodes (N = 66) are the OTUs involved in at least one strong interaction during the whole development or the three developmental stages; their color reflects taxonomic affiliation. The size of the nodes is proportional to the log<sub>10</sub> of the median reads (relative abundance of the OTUs) along the whole development. OTUs are arranged by taxonomy and relative abundance (numbers refer to OTU-numbers in Mortzfeld et al., 2016). Links represent the interactions (i.e. significant co-occurrences; pseudo p-value ≤ 0.05) with absolute correlation values above 0.5. Red links are negative interactions, while blue links stand for positive interactions; the thickness of the links is proportional to the strength of the interactions.