

**Additional file 2.** Heatmaps of all differentially expressed genes per caterpillar tissue in response to the core and extended repertoire of plant species used as food. The color scale represents the expression level in normalized log-counts 0 to 15. Each end of the branch per dendrogram represents a replicate and squares underneath it indicate the plant species (color-coded) and the plant classification according to the variable *plant use* where the core repertoire is represented by black squares and the extended by white.

