

The Cytochrome P450 (CYP) Superfamily in Cnidarians

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Table S1: The complement of ‘complete’ and ‘partial’ cytochrome P450 genes in *H. vulgaris*, *A. digitifera*, *A. aurita*, and *N. vectensis*. The number of cytochrome P450 genes identified in each CYP gene family. Gene counts include both complete and partial genes. Genes from *N. vectensis* were previously annotated but nomenclature is provided here.

Table S2: The cytochrome P450 fragments in *H. vulgaris*, *A. digitifera*, and *A. aurita*. The sequence (amino acid) of each cytochrome P450 fragment identified in each genome is listed along with the contig and location (region and start position), length (in amino acids), number of exons, and best BLAST hit on NCBI.

Table S3: The cytochrome P450 families in *H. vulgaris*, *A. digitifera*, *A. aurita*, and *N. vectensis*. Species and class where there is likely gene gain or loss are identified

Table S4: Distribution of CYP clans in animals and fungi. Adapted from Nelson et al 2013 with additional data added from this study for *Acropora*, *Hydra* and *Aurelia*. Clan 16 has been newly designated⁶¹ and the table has been updated for all species to reflect this.