



Supplemental Figure S2: Phylogenetic relationships of the four non-OR chemosensory gene families. A) Gustatory receptors (GRs) excluding ca. 50 small fragments with homology to GRs present in all honey bee species (main text). B) Ionotropic receptors (IRs), C) Chemosensory proteins (CSPs). D) Odorant binding proteins (OBPs). Bootstrap supports are indicated for all branches. Stars indicate branches and ORs under positive selection. Gene losses, gene gains, and more complex evolutionary gene family dynamics are highlighted by yellow, green, and grey boxes, respectively.