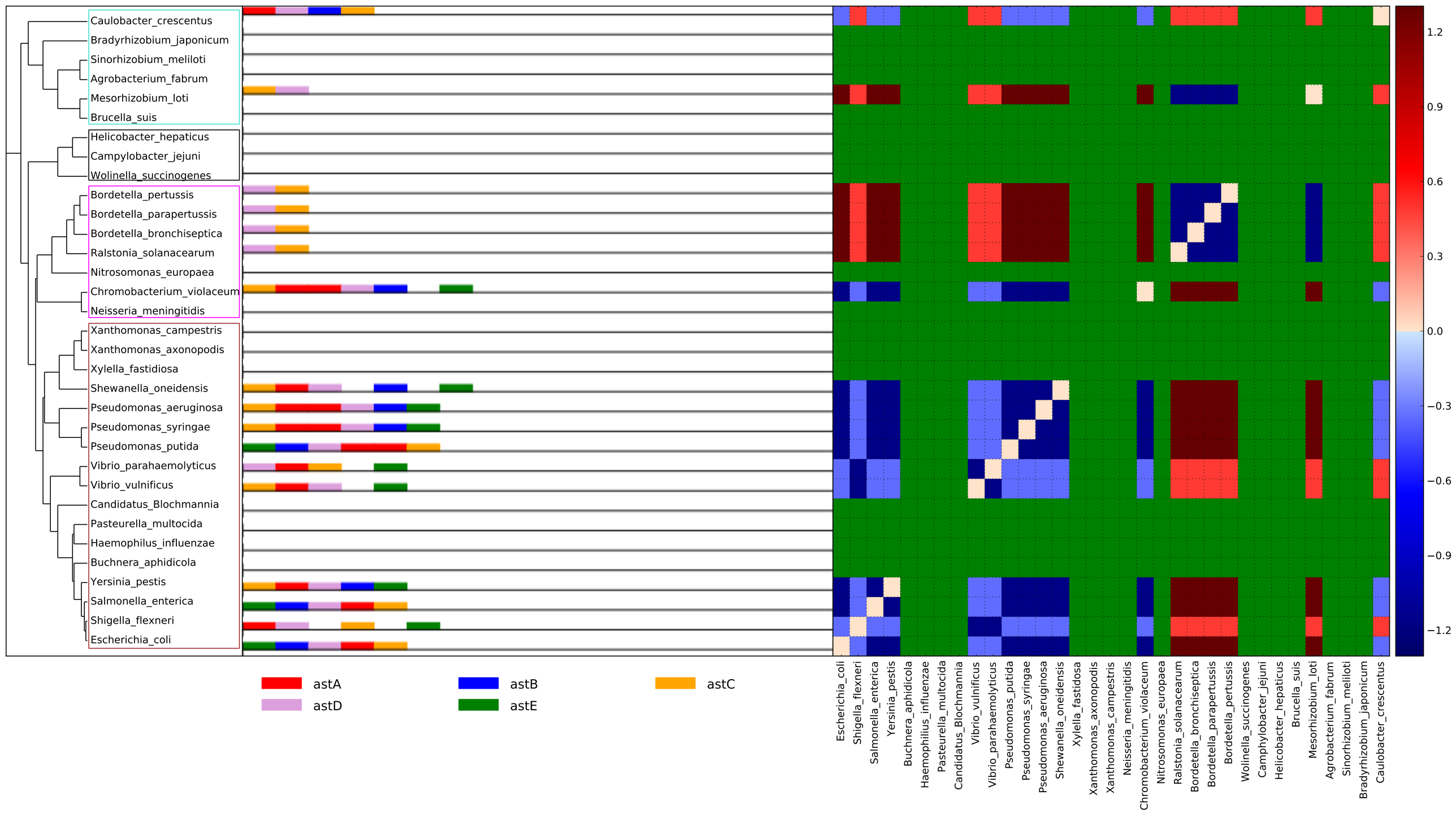
Caulobacter_crescentus
Bradyrhizobium_japonicum
Sinorhizobium_meliloti
Agrobacterium_fabrum
Mesorhizobium_loti
Brucella_suis
Helicobacter_hepaticus
Campylobacter_jejuni
Wolinella_succinogenes
Bordetella_pertussis
Bordetella_parapertussis
Bordetella_bronchiseptica
Ralstonia_solanacearum
Nitrosomonas_europaea
Chromobacterium_violaceum
Neisseria_meningitidis
Xanthomonas_campestris
Xanthomonas_axonopodis
Xylella_fastidiosa
Shewanella_oneidensis
Pseudomonas_aeruginosa
Pseudomonas_syringae
Pseudomonas_putida
Vibrio_parahaemolyticus
Vibrio_vulnificus
Candidatus_Blochmannia
Pasteurella_multocida
Haemophilius_influenzae
Buchnera_aphidicola
Yersinia_pestis
Salmonella_enterica
Shigella_flexneri
Escherichia_coli
1.2
0.9
0.6
0.3
0.0
−0.3
−0.6
−0.9
−1.2
astA
astB
astC
astD
astE