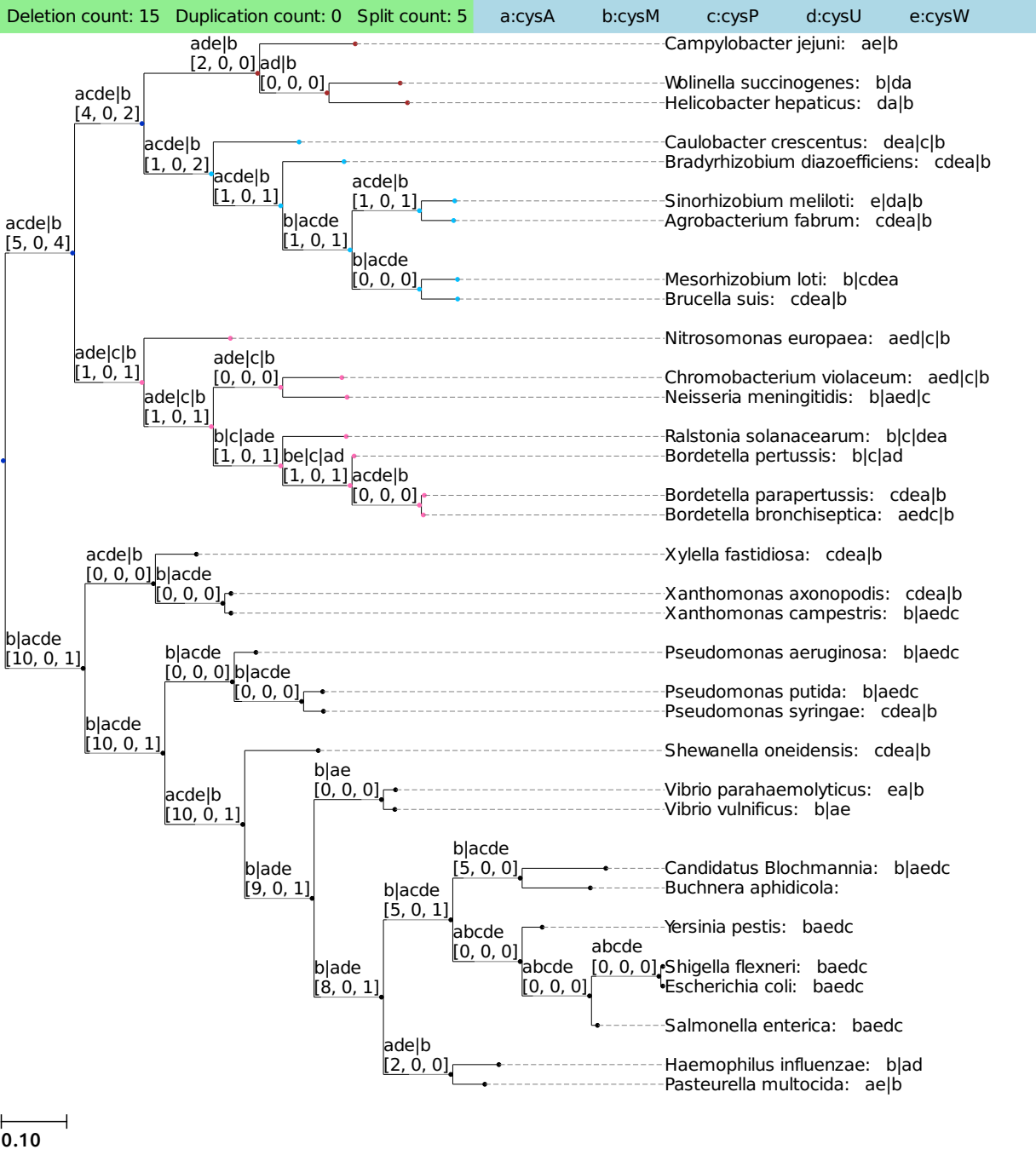
Deletion count: 15
Duplication count: 0
Split count: 5
a:cysA
b:cysM
c:cysP
d:cysU
e:cysW
ade|b [2, 0, 0]
ad|b [0, 0, 0]
Campylobacter jejuni: ae|b
Wolinella succinogenes: b|da
Helicobacter hepaticus: da|b
acde|b [4, 0, 2]
acde|b [1, 0, 2]
Caulobacter crescentus: dea|c|b
acde|b [1, 0, 1]
Bradyrhizobium diazoefficiens: cdea|b
acde|b [1, 0, 1]
Sinorhizobium meliloti: e|da|b
Agrobacterium fabrum: cdea|b
b|acde [1, 0, 1]
acde|b [5, 0, 4]
b|acde [0, 0, 0]
Mesorhizobium loti: b|cdea
Brucella suis: cdea|b
Nitrosomonas europaea: aed|c|b
ade|c|b [1, 0, 1]
ade|c|b [0, 0, 0]
Chromobacterium violaceum: aed|c|b
Neisseria meningitidis: b|aed|c
ade|c|b [1, 0, 1]
Ralstonia solanacearum: b|c|dea
b|c|ade [1, 0, 1]
Bordetella pertussis: b|c|ad
be|c|ad [1, 0, 1]
acde|b [0, 0, 0]
Bordetella parapertussis: cdea|b
Bordetella bronchiseptica: aedc|b
Xylella fastidiosa: cdea|b
acde|b [0, 0, 0]
b|acde [0, 0, 0]
Xanthomonas axonopodis: cdea|b
Xanthomonas campestris: b|aedc
b|acde [10, 0, 1]
Pseudomonas aeruginosa: b|aedc
b|acde [0, 0, 0]
b|acde [0, 0, 0]
Pseudomonas putida: b|aedc
Pseudomonas syringae: cdea|b
b|acde [10, 0, 1]
Shewanella oneidensis: cdea|b
b|ae [0, 0, 0]
Vibrio parahaemolyticus: ea|b
Vibrio vulnificus: b|ae
acde|b [10, 0, 1]
b|acde [5, 0, 0]
Candidatus Blochmannia: b|aedc
Buchnera aphidicola:
b|ade [9, 0, 1]
b|acde [5, 0, 1]
Yersinia pestis: baedc
abcde [0, 0, 0]
abcde [0, 0, 0]
abcde [0, 0, 0]
Shigella flexneri: baedc
Escherichia coli: baedc
b|ade [8, 0, 1]
Salmonella enterica: baedc
ade|b [2, 0, 0]
Haemophilus influenzae: b|ad
Pasteurella multocida: ae|b
0.10