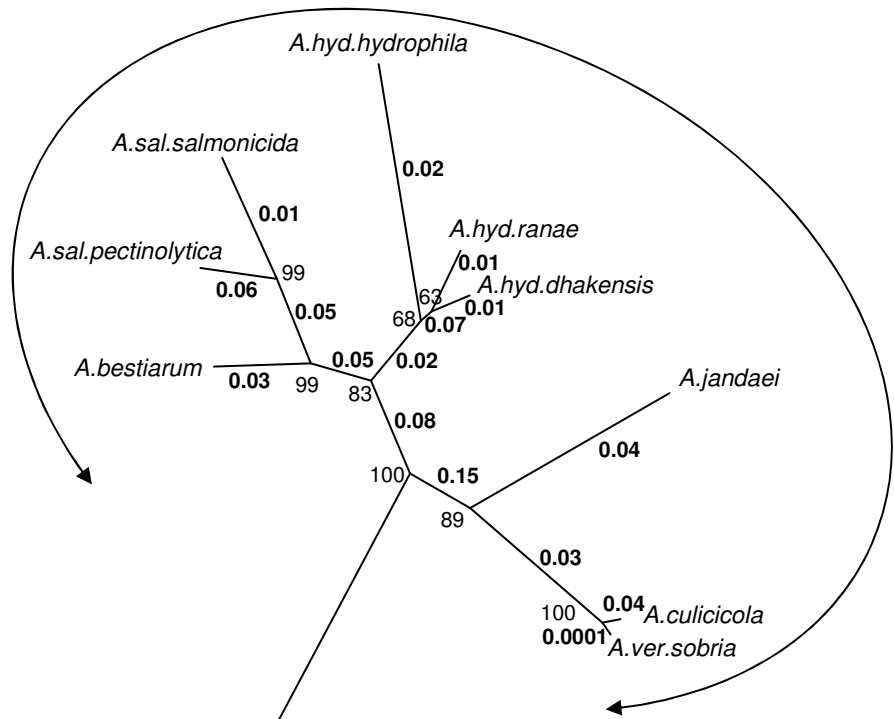
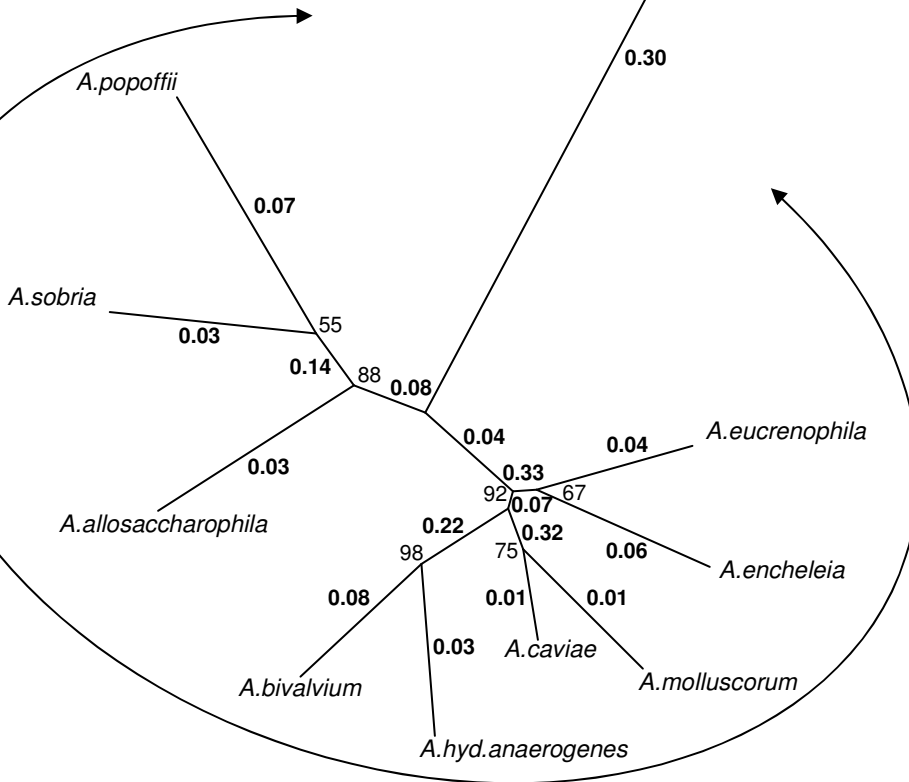


Group 1



Group 2



0.1

Nonsynonymous amino acid changes and positions from the reconstructed ancestral sequence

M -> I (18)	L -> V (74)	G -> S (87)	S -> N (105)	A -> T (106)	K -> D (107)	E -> T (110)	K -> K (114)
V -> Y (116)	G -> M (120)	A -> T (121)	N -> D (124)	I -> V (126)	S -> A (127)	T -> K (128)	A -> D (129)
A -> G (133)	T -> Q (135)	D -> N (139)	S -> G (141)	F -> Y (142)	G -> V (143)	T -> S (145)	N -> A (153)
G -> T (157)	S -> R (159)	L -> M (160)	Q -> T (162)	S -> T (165)	I -> M (169)	A -> S (171)	T -> G (174)
T -> S (175)	I -> A (176)	G -> S (181)	A -> T (183)	G -> N (184)	G -> M (185)	I -> T (186)	S -> K (189)
S -> T (190)	Q -> A (191)	N -> S (193)	N -> S (196)	V -> A (197)	L -> M (198)	A -> N (200)	V -> L (201)
S -> Y (203)	L -> I (205)	G -> S (210)	L -> F (222)	I -> V (232)	M -> L (255)	S -> T (267)	