*Supplementary File S1:* Neighbor joining trees and 50% majority-rule bootstrap consensus neighbor joining trees for all loci. Bootstrap trees are based on 1,000 replicates. Trees are rooted with sequences from *Bahiopsis lanata* and/or *B. reticulata*. Population names for *H petiolaris* and *H. neglectus* sequences correspond to names given in Table 6 of the main text.

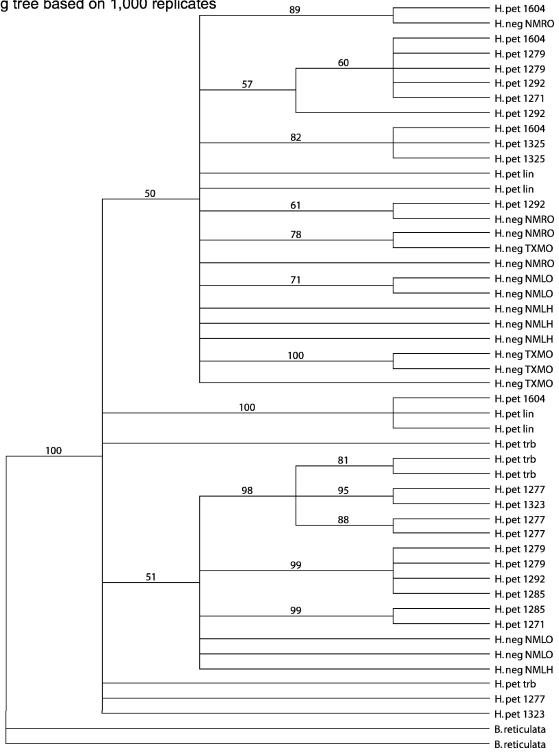
Locus (2213) neighbor joining tree



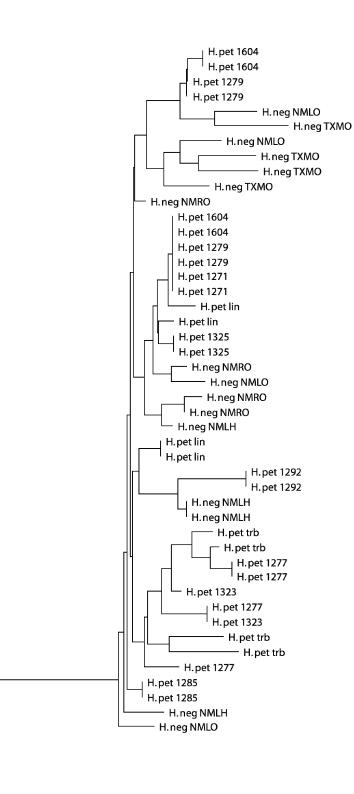
🗕 B. reticulata

- 0.005 substitutions/site

### Locus (2213) 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates



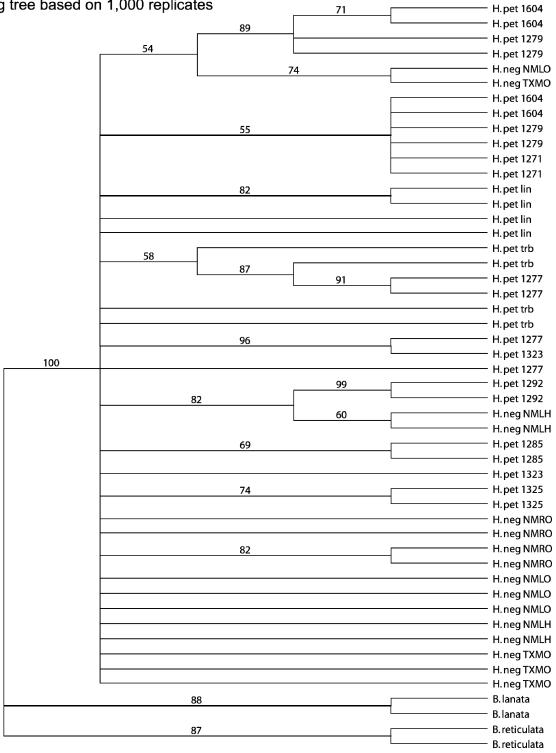
Locus JLS244 neighbor joining tree



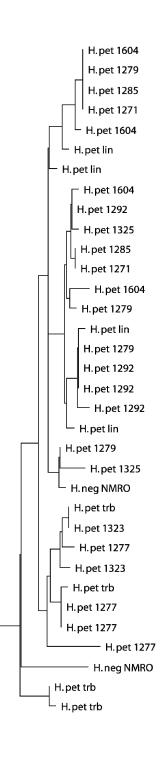
B. lanata B. lanata B. reticulata B. reticulata

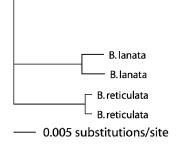
- 0.001 substitutions/site

# Locus JLS244 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates

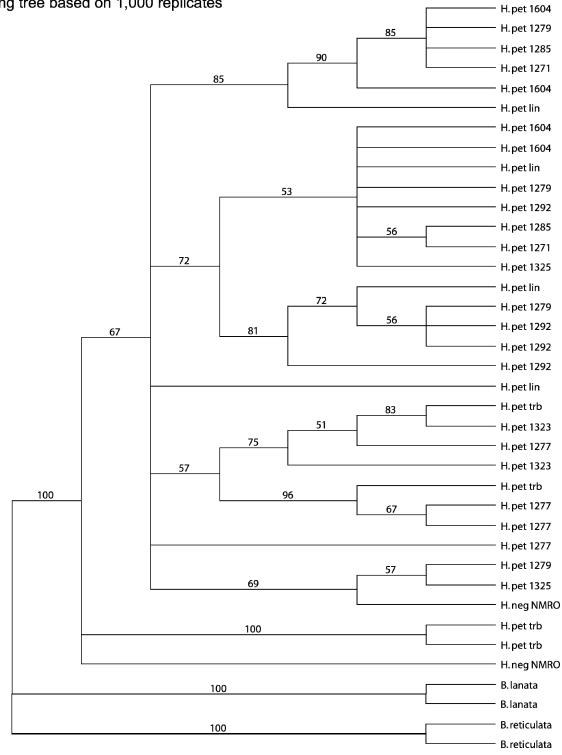


Locus JLS720 neighbor joining tree

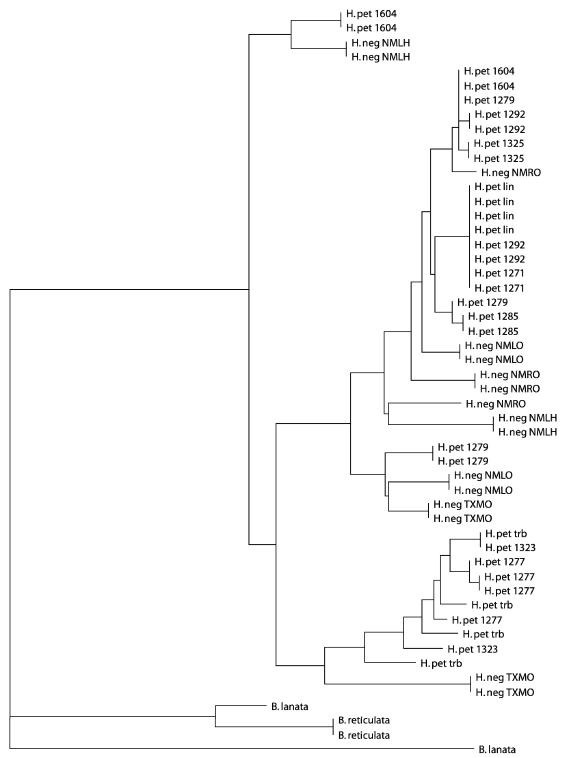




## Locus JLS720 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates

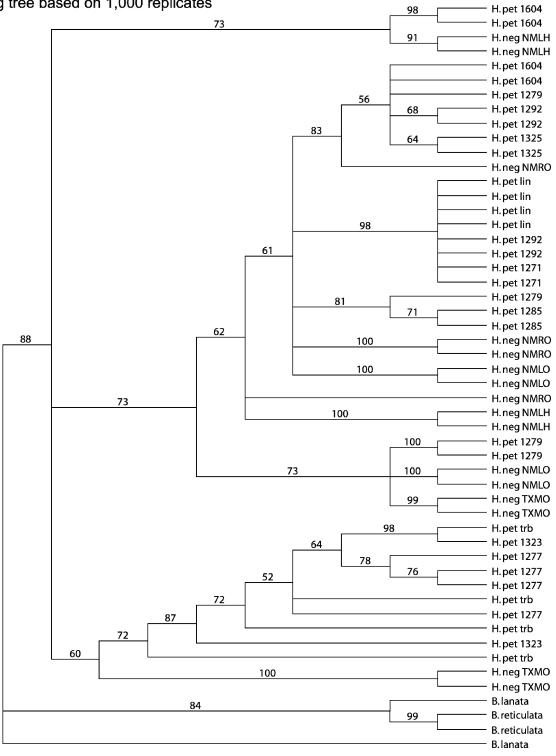


Locus JLS810R1 neighbor joining tree

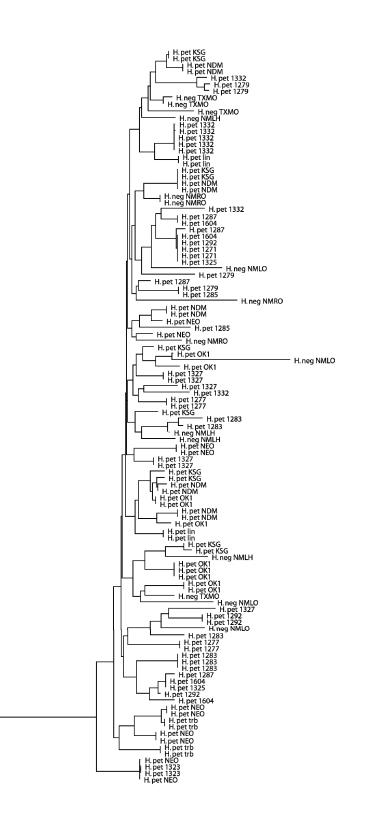


— 0.005 substitutions/site

## Locus JLS810R1 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates

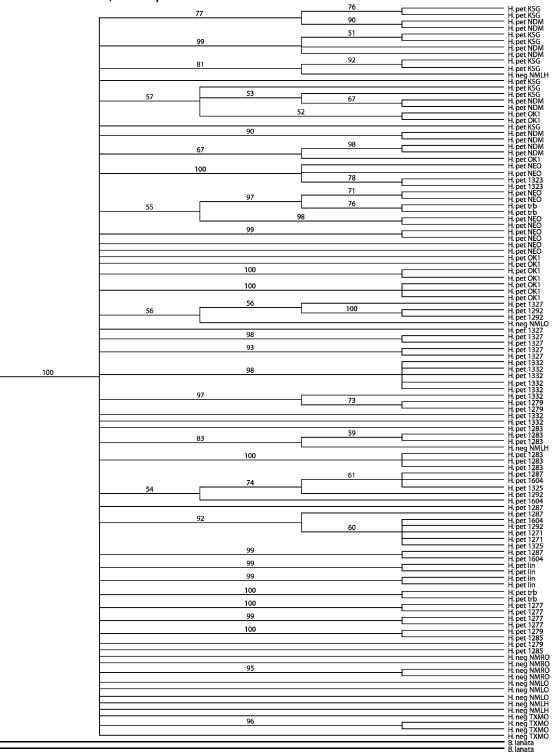


Locus JLS1040 neighbor joining tree

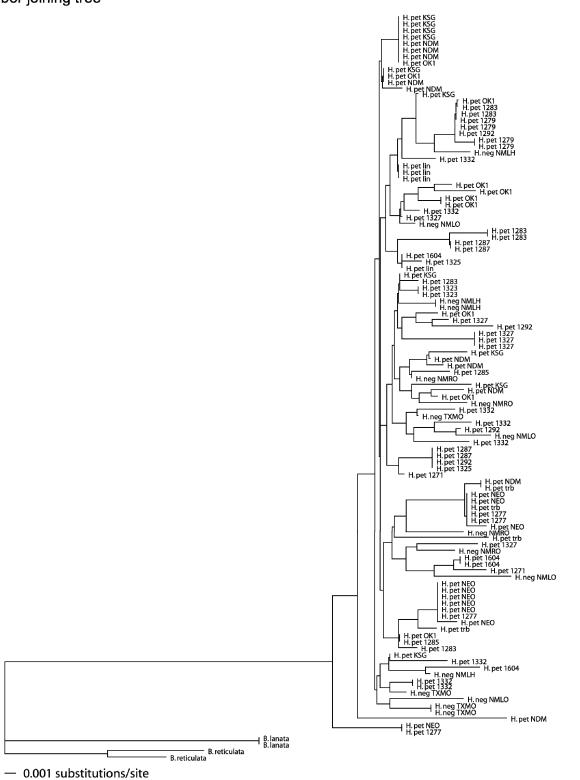


Blanata - 0.001 substitutions/site

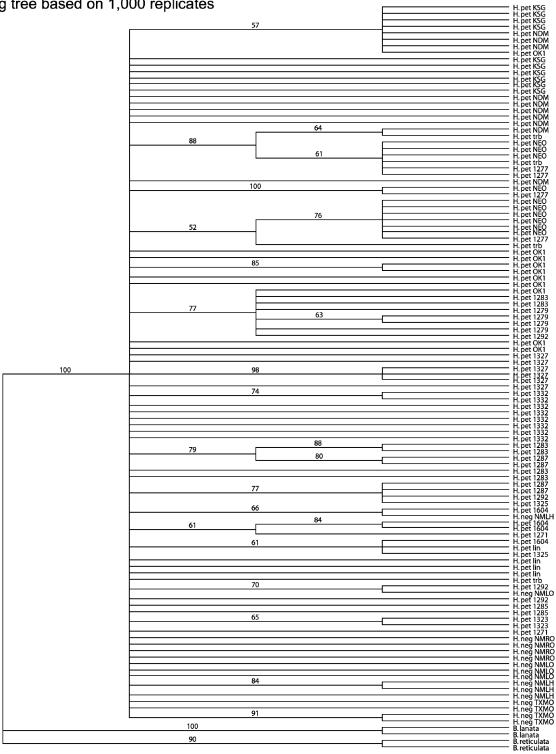
# Locus JLS1040 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates



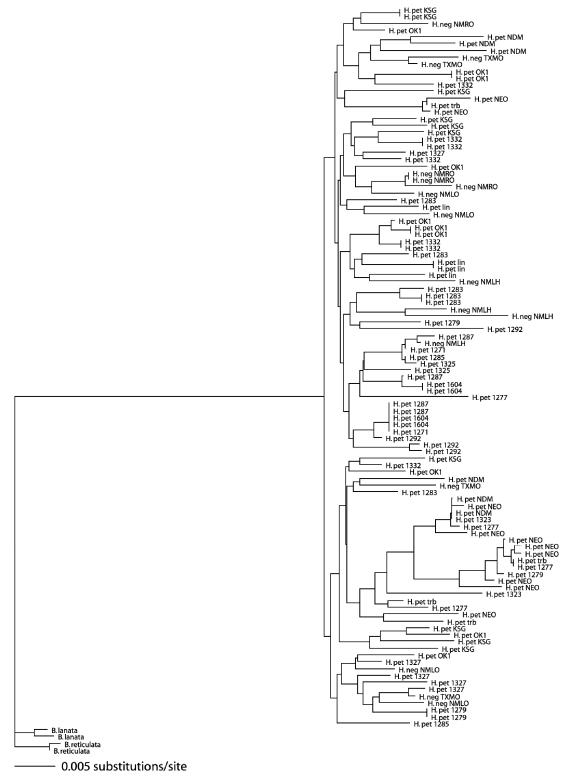
Locus JLS1615 neighbor joining tree



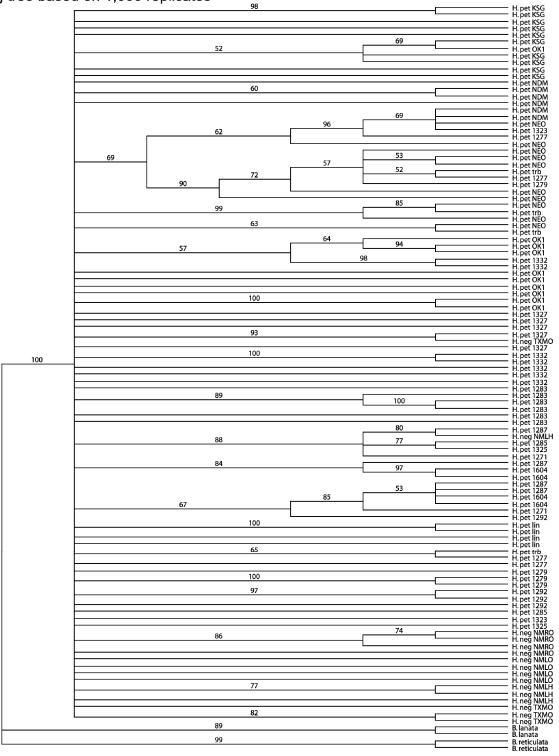
# Locus JLS1615 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates



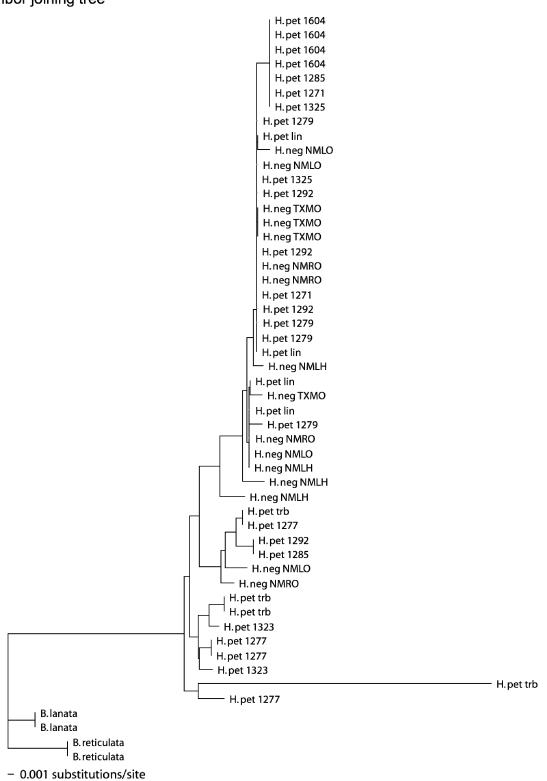
# Locus JLS1747 neighbor joining tree



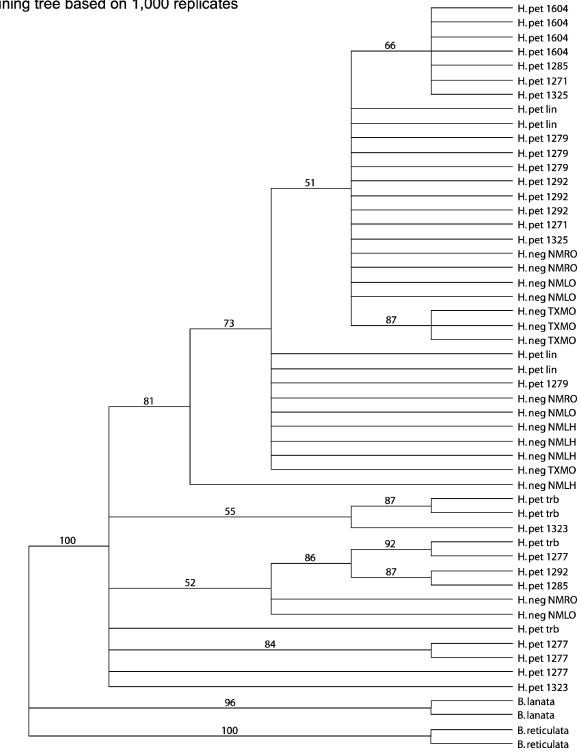
# Locus JLS1747 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates



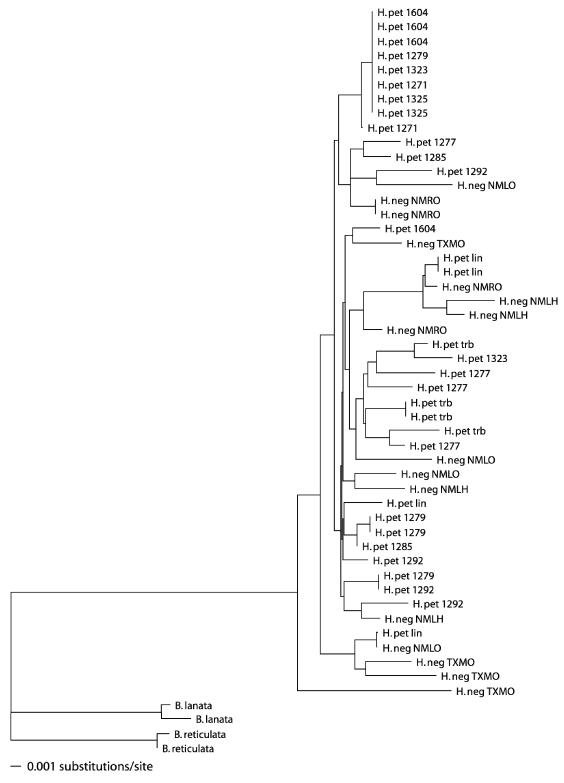
Locus JLS1953 neighbor joining tree



#### Locus JLS1953 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates



Locus JLS2899 neighbor joining tree



### Locus JLS2899 50% majority-rule bootstrap consensus neighbor joining tree based on 1,000 replicates

