

## ADDITIONAL FILE 2: INPUT TREES AND DATA NON-INDEPENDENCE

### Input Trees

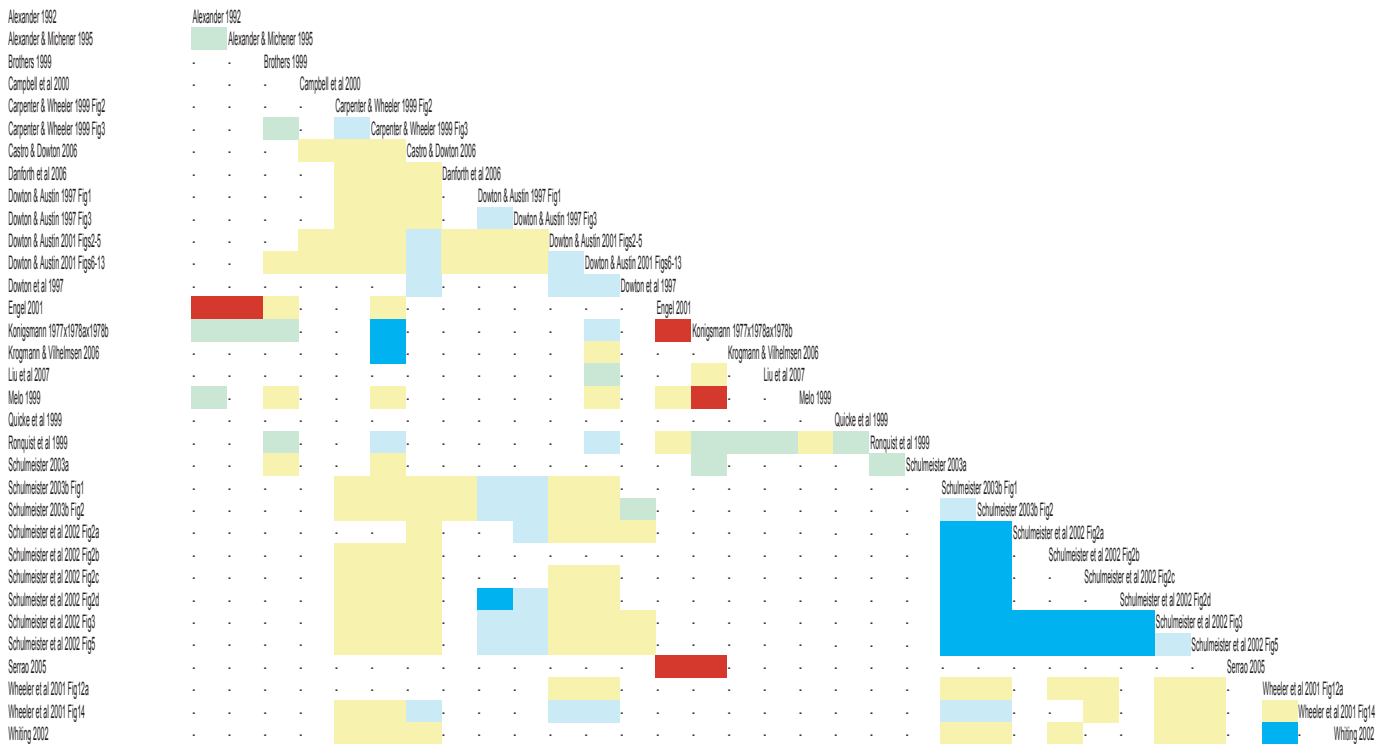
Author	Year	Tree
Alexander	1992	Fig10
Alexander & Michener	1995	Fig5
Alexander & Michener	1995	Fig6
Alexander & Michener	1995	Fig10
Alexander & Michener	1995	Fig12
Alexander & Michener	1995	Fig13
Alexander & Michener	1995	Fig14
Alexander & Michener	1995	Fig15
Brothers	1999	Fig6
Campbell et al	2000	Fig1
Carpenter & Wheeler	1999	Fig2
Carpenter & Wheeler	1999	Fig3
Castro & Dowton	2006	Fig2
Danforth et al	2006	Fig3
Danforth et al	2006	Fig4
Danforth et al	2006	Fig5
Dowton & Austin	1997	Fig1
Dowton & Austin	1997	Fig3
Dowton & Austin	2001	Fig2
Dowton & Austin	2001	Fig3
Dowton & Austin	2001	Fig4
Dowton & Austin	2001	Fig5
Dowton & Austin	2001	Fig6
Dowton & Austin	2001	Fig7
Dowton & Austin	2001	Fig8
Dowton & Austin	2001	Fig9
Dowton & Austin	2001	Fig10
Dowton & Austin	2001	Fig11
Dowton & Austin	2001	Fig12
Dowton & Austin	2001	Fig13
Dowton et al	1997	Fig1
Engel	2001	Fig122x123
Konigsmann	1977x1978ax1978b	Fig6xText(Symphyta)xFig7axText(Parasitica)xFig13xText(Aculeata)
Konigsmann	1977x1978ax1978b	Fig6xText(Symphyta)xFig7bxText(Parasitica)xFig13xText(Aculeata)
Konigsmann	1977x1978ax1978b	Fig6xText(Symphyta)xFig7cxText(Parasitica)xFig13xText(Aculeata)
Krogmann & Vilhelmsen	2006	Fig21
Krogmann & Vilhelmsen	2006	Fig22
Krogmann & Vilhelmsen	2006	Fig23
Liu et al	2007	Fig21/Fig25
Melo	1999	Fig3
Melo	1999	Fig4a
Quicke et al	1999	Fig13
Ronquist et al	1999	Fig2x6x12
Ronquist et al	1999	Fig2x6x13
Ronquist et al	1999	Fig3x6x12
Ronquist et al	1999	Fig3x6x13
Schulmeister	2003a	Fig7
Schulmeister	2003a	Fig7 (Apocrita)
Schulmeister	2003b	Fig1
Schulmeister	2003b	Fig2
Schulmeister et al	2002	Fig2a
Schulmeister et al	2002	Fig2b
Schulmeister et al	2002	Fig2c
Schulmeister et al	2002	Fig2d
Schulmeister et al	2002	Fig3 1:1:1
Schulmeister et al	2002	Fig3 2:2:1
Schulmeister et al	2002	Fig3 4:4:1
Schulmeister et al	2002	Fig3 2:1:1
Schulmeister et al	2002	Fig3 4:2:1
Schulmeister et al	2002	Fig3 8:4:1
Schulmeister et al	2002	Fig3 8:2:1
Schulmeister et al	2002	Fig3 16:4:1
Schulmeister et al	2002	Fig3 4:1:1(left)
Schulmeister et al	2002	Fig3 4:1:1(right)
Schulmeister et al	2002	Fig5 1:1:1
Schulmeister et al	2002	Fig5 2:2:1
Schulmeister et al	2002	Fig5 4:4:1
Schulmeister et al	2002	Fig5 2:1:1
Schulmeister et al	2002	Fig5 4:2:1
Schulmeister et al	2002	Fig5 8:4:1
Schulmeister et al	2002	Fig5 4:1:1
Schulmeister et al	2002	Fig5 8:2:1
Schulmeister et al	2002	Fig5 16:4:1
Serrao	2005	Fig15
Wheeler et al	2001	Fig12a
Wheeler et al	2001	Fig14
Whiting	2002	Fig4

## Input Tree References for Final Data Set

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HYMENOPTERA DATA NON-INDEPENDENCE



If no taxon and/or data overlap (includes where nonreplicable studies do not mention characters) = -  
 <50% taxon and data overlap  
 >50% taxon overlap but <50% data overlap  
 >50% taxon overlap and genes but used in combination with different genes and/or morphological data  
 >50% taxon (order) overlap and genes/combination but different gene region (primers used) or species combination  
 Overlap uncertain and possibly >50%

Takes into account that taxa may have been pruned out of trees and this can reduce data overlap