

ADDITIONAL FILE 1: LIST OF VALID HYMENOPTERAN FAMILIES

Valid Hymenoptera Families Gordh & Headrick (2000) Ross & Jarzembowski (1993) EDNA Fossil Database		Extant family taxonomy In agreement unless stated Gauld & Bolton 1988	
Recognised Synonyms		Included in supertree analysis?	Goulet & Huber 1993
Adrenidae	Andrenidae		subfamily of Apidae
Agaonidae	Agaontidae		
Agriotypidae			subfamily of Ichneumonoidea
Alloxystidae			subfamily of Charipidae
Ampulicidae			
Anarchitidae			subfamily of Figitidae
Anaxyelidae	Syntexidae		subfamily of Figitidae
Andreneliidae*			
Anomopterellidae*			
Anthophoridae			subfamily of Apidae
Aphelinidae			
Aphidiidae			subfamily of Braconidae
Apidae	Bombidae		subfamily of Braconidae
Apozygidae			subfamily of Ichneumonoidea
Archaeocynipidae*			
Archimymenidae			
Argidae			
Aulacidae			
Austroniidae			
Austroserphidae			subfamily of Proctotrupidae
Baissidae			
Baissodidae*			
Bethylidae			
Bethylonymidae*			
Blasticotomidae			
Braconidae	Branconidae		subfamily of Proctotrupidae
Bradynobaenidae			
Cephidae			
Ceraphronidae			
Chalcididae	Chalcidae		
Charipidae			
Chrysididae			
Cimbicidae			
Colletidae			subfamily of Apidae
Cretevaniidae*			
Ctenoplectidae			
Cynipidae			
Daohugoidae*			
Diapriidae			
Diprionidae			
Dryinidae			
Elasmidae			
Electrotomidae*			
Embolemidae			
Encyrtidae			
Eoichneumonidae*			
Ephialtitidae*	Karataidae		
Eucharitidae			

Eucoilidae				
Eulophidae	Aphelidae			
Eumenidae				subfamily of Vespidae
Eupelmidae				
Eurytomidae				
Evaniidae				
Falsiformicidae*				
Fideliidae			?	
Figitidae				
Formicidae	Dolichoderidae, Palaeosminthuridae			
Gasteruptiidae				subfamily of Apidae
Halictidae				
Heloridae				
Heterogynidae	Heterogynidae		?	
Ibaliidae				
Ichneumonidae	Myersiidae			
Jurapriidae*				
Karatavitidae*				
Khutelchalcididae*				
Konowiellidae			?	?
Kotujellidae			?	?
Leucospidae				
Limnetidae*				
Liopteridae				
Loboscelidiidae				
Maimetshidae*				subfamily of Chrysididae
Masaridae				subfamily of Vespidae
Megachilidae				subfamily of Apidae
Megalodontidae				
Megalyridae	Megaliridae			
Megaspilidae				
Melittidae				subfamily of Apidae
Mesoserphidae			?	?
Monomachidae				
Mutillidae				
Mymaridae				
Mymarommatidae				
Ormyridae				
Orussidae	Oryssidae			
Oxaeidae				subfamily of Apidae
Palaeocynipidae*				
Paleomelittidae*				
Pamphiliidae				
Pararhophitidae			?	
Paroryssidae*	Paroryssidae			
Paxylommatidae	Hybrizontidae			subfamily of Ichneumonoidea
Pelecinidae	Pelecinopteridae			subfamily of Ichneumonoidea
Peradeniidae				
Pergidae				
Perilampidae				
Platygastridae	Platygastridae			
Plumariidae				
Pompilidae	Pompilidae, Psammocharidae			

Praeaulacidae*			
Praeichneumonidae*			
Praesiricidae*			
Proctotrupidae	Serphitidae		
Pteromalidae	Cleonymidae		
Pterygophoridae		?	?
Rhopalosomatidae			
Roproniidae			
Rotoitidae			
Sapygidae	Cossilidae, Fedtschenkidae		
Scelionidae			
Scenopinidae	Omphralidae	?	?
Sclerogibbidae			
Scolebythidae			
Scoliidae			
Sepulcidae*			
Serphitidae*			
Sierolomorphidae			
Signiphoridae			
Siricidae	Sinosiricidae		
Sphecidae	Angarosphecidae, Pemphredonidae, Trypoxylidae, Larridae, Crabronidae, Philanthidae		
Sphecomyrmae*			
Stenotritidae		?	
Stephanidae			
Stigmaphronidae*			
Stolamissidae*			
Tanaostigmatidae			
Tenthredinidae			
Tetracampidae			
Thynnidae		?	subfamily of Tiphidae
Tiphidae			
Torymidae	Callimomidae		
Trichogrammatidae			
Trigonalidae	Ichneumonimidae		
Trupochalcididae		?	?
Vanhorniidae			
Vespidae			
Xiphydriidae			
Xyelidae			
Xyelotomidae*			
Xyelydidae*	Xyelidae		

Yes - in extended majority rule tree

Yes - but only included in strict consensus tree

No - absent from input trees