

A Taxonomic Index, with Names of Descriptive Authorities of Termite Genera and Species: An Accompaniment to Biology of Termites: A Modern Synthesis (Bignell DE, Roisin Y, Lo N, Editors. 2011. Springer, Dordrecht. 576 pp.)

Authors: Bignell, D. E., and Jones, D. T.

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A taxonomic index, with names of descriptive authorities of termite genera and species: An accompaniment to *Biology of Termites: A Modern Synthesis* (Bignell DE, Roisin Y, Lo N, Editors. 2011. Springer, Dordrecht. 576 pp.)

D. E. Bignell^{1,2a*} and D. T. Jones^{3b}

¹Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, 88999 Kota Kinabalu, Sabah, Malaysia

²Present address: School of Biological and Chemical Sciences, Queen Mary, University of London, U.K. E1 4N

³Soil Biodiversity Group, Natural History Museum, London, UK SW7 5BD

Abstract

Biology of Termites: A Modern Synthesis (Bignell DE, Roisin Y, Lo N, (Editors), Springer, Dordrecht, 576pp, ISBN 978-90-481-3976-7, e-ISBN 978-90-481-3977-4, DOI 10.1007/978-90-481-3977-4) was published in 2011. With the agreement of the publishers, we give a taxonomic index of the book comprising 494 termite entries, 103 entries of other multicellular animal species mentioned as associates or predators of termites, with 9 fungal, 60 protist, and 64 prokaryote identities, which are listed as termite symbionts (*sensu stricto*). In addition, we add descriptive authorities for living (and some fossil) termite genera and species. Higher taxonomic groupings for termites are indicated by 25 code numbers. Microorganisms (prokaryotes, protists, and fungi) are listed separately, using broad modern taxonomic affiliations from the contemporary literature of bacteriology, protozoology, and mycology.

Abbreviations: FTG, functional taxonomic group; HTG, higher taxonomic group

Keywords: Biology of Termites 2011, taxonomic index, descriptive authorities

Correspondence: ^a d.bignell@qmul.ac.uk, ^b david.jones@nhm.ac.uk, *Corresponding author

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Introduction

Biology of Termites: A Modern Synthesis (Bignell DE, Roisin Y, Lo N, (Editors), Springer, Dordrecht, 576pp, ISBN 978-90-481-3976-7, e-ISBN 978-90-481-3977-4, DOI 10.1007/978-90-481-3977-4) was published in 2011, a decade after *Termites: Evolution, Sociality, Symbioses, Ecology* (Abe T, Bignell DE, Higashi M (Editors), Kluwer Academic Publishers, Dordrecht, 466pp, ISBN 0-7923-6361-2), to which it was the intended successor, though with a different balance of topics. Both books lacked a taxonomic index, though an index to Abe et al. (2000) was eventually published (Bignell and Jones 2009). In this paper we present a full taxonomic index for the 2011 book, encompassing termites, other animals associated with termites, and microbial symbionts (*sensu stricto*). For greater usefulness, we add descriptive authorities for termite genera and species and allocate each entry to one of 25 higher taxonomic groupings (or functional taxonomic group, FTG), following recent views of termite phylogeny and the genus lists presented in Chapter 17 of the book (Jones and Eggleton 2011). Use of the term “clade” is avoided. Inevitably, compilation of the index has revealed a small number of taxonomic errors in the text of the book. The more serious of these are noted below.

Materials and Methods

The termite index is presented as Table 1. Entries are listed in six categories:

Genus (refers, presumptively, to all affiliated species)

Genus sp. or spp. (refers to one or more species, not identified or possibly undescribed)

Genus and species

Genus, species, and form (geographical variant)

Genus cf. species (species identity unconfirmed)

Genus-group (refers to a FTG or presumed FTG; used with higher termites only)

Morphospecies and subspecies are excluded, though there is occasional reference to forms. Descriptive authorities are given for genus and for genus and species only. For synonymies, readers should refer to the authorities given. For fossil taxa refer to Thorne et al. (2000) and Engel et al. (2009). In column 4, each entry is given a taxonomic code from 1 to 25. These refer to the functional taxonomic groups listed in Table 2, and follow Kambhampati and Eggleton (2000), Davies et al. (2003), Inward et al. (2007), and Jones and Eggleton (2011). Format for the descriptive authority of termites follows convention: if a species-group taxon was described in a given genus and later transferred to another, the name of the author of the species-group name is enclosed in parentheses. Page numbers given for individual taxa do not include any chapter bibliographies. Non-termite multicellular animals are listed in bold face at the foot of each alphabetical listing, without descriptive authorities or taxonomic codes, however higher taxonomic groups (at the family level) are given and mainly follow *The Taxonomicon* (<http://taxonomicon.taxonomy.nl/>).

For microorganisms, listings are separated by kingdoms (Madigan and Martinko 2006), and therefore appear as separate tables for prokaryotes (Archaea and Eubacteria combined), fungi, and protists respectively (Tables 3–5). In each case, further affiliations at two higher taxonomic

levels are given to assist in placing the symbionts within their own groups and to demonstrate the diversity of microorganisms that have been reported to be associated with termites. The microbial higher taxa should not be regarded as definitive, as there are currently no completely agreed upon classifications for any of these groups. Little work on termite virology is known to us, and only one study is cited in the book (Ahlam et al. 1988).

For prokaryotes, we have classified taxa to phylum, following *The Tree of Life Web Project* (<http://www.tolweb.org>), having first identified each organism as archaeal or eubacterial. Similarly for fungi, we have allocated taxa to division (Dictyosteliomycota, Oomycota, Zygomycota, Ascomycota, and Basidiomycota), broadly following the *Tree of Life* scheme, and then to order following the *Index Fungorum* (<http://www.indexfungorum.org>). Please note that in these schemes, the groups “Hyphomycetes,” “Deuteromycetes,” and “Fungi Imperfecti” are all subsumed under Ascomycota. No yeasts are mentioned in the book. For protists, we have identified taxa at class level (most are either oxymonads or parabasalians) and then to order or family as recommended by The Taxonomicon (<http://www.taxonomy.nl/taxonomicon>), and following recent reviews by Brugerolle and Radek (2006) and Ohkuma and Brune (2011; chapter 15 of the book). Amoeboid grade protists occur in some termites, but no taxonomic names are reported in the book.

Index of termites and other animals, excluding protists

Table 1. This is presented in a single table with 25 subsections, separated alphabetically. Notes deal mainly with synonyms or errors in the textbook, but some revisions and clarifications are also reported. Descriptive authorities are given for termites only. Taxonomic codes for termites are set out in Table 2. The term “Isoptera” is informal, as the ordinal status of termites is the subject of debate (Lo et al. 2007; Eggleton et al. 2007; Lo and Eggleton 2011). *this functional taxonomic group affiliation is retained from Kambhampati and Eggleton (2000) and Eggleton (2000). **new functional taxonomic group following Davies et al. (2003), Inward et al. (2007), and Jones and Eggleton (2011). *** fossil termite; for descriptive authority see Thorne et al. (2000) and Engel et al. (2009).

Genus, genus and species, FTG or other designation	Descriptive authority	Page nos.	Taxonomic code or family
(Isoptera)			
<i>Acanthotermes</i>	Sjöstedt, 1900	5, 485	13
<i>Acanthotermes acanthothorax</i>	Sjöstedt, 1898	18	13
<i>Acholotermes</i>	Sands, 1972	486	17
<i>Aciculitermes</i>	Emerson, 1960	490	25
<i>Acorhinotermes</i>	Emerson, 1949	484	12
<i>Adaiphrotermes</i>	Sands, 1972	486, 547	17
<i>Aderitotermes</i>	Sands, 1972	486	17
<i>Ahamitermes</i>	Mjöberg, 1920	486	18
<i>Allodotermes</i>	Silvestri, 1914	485	13

<i>Allodoterme</i> sp.		506	13
<i>Alloterme</i>	Wasmann, 1910	484	4
<i>Alyscoterme</i>	Sands, 1972	485	17
<i>Amaloterme</i>	Sands, 1972	485	17
<i>Amicoterme</i>	Sands, 1972	486	17
<i>Amiterme</i>	Silvestri, 1901	363, 381, 486, 492, 500, 502, 506, 553	18
<i>Amiterme evuncifer</i>	Silvestri, 1912	303, 500–501, 504, 507	18
<i>Amiterme hastatus</i>	(Haviland, 1898)	540	18
<i>Amiterme laurensis</i>	Mjöberg, 1920	23, 361	18
<i>Amiterme meridionalis</i>	(Froggatt, 1898)	325, 361–364	18
<i>Amiterme rhizophagus</i>	Belyaeva, 1974	296	18
<i>Amiterme vitiosus</i>	Hill, 1935	350, 363	18
<i>Amiterme</i> -group*		36, 40, 45, 486	18
<i>Anacanthoterme</i>	Jacobson, 1904	141, 484, 500	3
<i>Anacanthoterme ahngerianus</i>	Jacobson, 1904	171, 296	3
<i>Anacanthoterme turkestanicus</i>	Jacobson, 1904	296	3
<i>Ancistroterme</i>	Silvestri, 1912	485, 500, 503, 505–506	13
<i>Ancistroterme amphidon</i>	Sjöstedt, 1926	501	13
This name is a synonym of <i>A. cavithorax</i> (Sjöstedt, 1899)			
<i>Ancistroterme cavithorax</i>	(Sjöstedt, 1899)	502	13
<i>Ancistroterme guineensis</i>	(Silvestri, 1912)	503, 507, 510	13
<i>Ancistroterme latinus</i>	(Holmgren, 1912)	503, 506	13
<i>Ancistroterme pakistanicus</i>	(Ahmad, 1955)	284, 286, 302, 307, 309, 395	13
<i>Ancistroterme</i> spp.		501	13
<i>Anenteoterme</i>	Sands, 1972	486	17
<i>Angulariterme</i>	Emerson, 1925	489	25
<i>Angulariterme nasutissimus</i>	(Emerson, 1925)	18	25
<i>Anguliterme</i>	Sjöstedt, 1924	487	18
<i>Anoploterme</i>	Müller, 1873	134, 486, 503	17
<i>Anoploterme pacificus</i>	Müller, 1873	502–503	17
<i>Anoploterme</i> -group*		20, 491–492	17
<i>Apagoterme</i>	Sands, 1972	486	17
<i>Aparaterme</i>	Fontes, 1986	486, 501, 503	17
<i>Apicoterme</i>	Holmgren, 1912	484	16
<i>Apicoterme</i> sp.		303	16

<i>Apicotermes</i> -group*		491	16
<i>Apilitermes</i>	Holmgren, 1912	487	22
<i>Araujotermes</i>	Fontes, 1982	489	25
Archeorhinotermes***	Krishna & Grimaldi, 2003	36, 39–41	Archeorhinotermitidae
<i>Archotermopsis</i>	Desneux, 1904	100, 105, 112, 141	2
<i>Archotermopsis wroughtoni</i>	Desneux, 1904	18, 105	2
<i>Armitermes</i>	Wasmann, 1897	36, 487	19
<i>Armitermes euhamignathus</i>	Silvestri, 1901	237, 303, 309, 501	19
<i>Armitermes grandidens</i>	Emerson, 1925	18	19
<i>Aspenterotermes</i>	Miller, 1991	488	24
<i>Astratotermes</i>	Sands, 1972	485	17
<i>Ateuchotermes</i>	Sands, 1972	486	17
<i>Atlantitermes</i>	Fontes, 1979	489	25
<i>Australitermes</i>	Emerson, 1960	489	25
(Hymenoptera)			
<i>Acromyrmex</i>		197, 199	Formicidae
<i>Amblyopone</i>		118	Formicidae
<i>Anoplolepis gracilipes</i>		256	Formicidae
<i>Apis mellifera</i>		98, 239	Apidae
<i>Apis mellifera capensis</i>		256	Apidae
<i>Apterostigma</i>		195	Formicidae
<i>Atta</i>		199	Formicidae
<i>Atta cephalotes</i>		98	Formicidae
(Other insects)			
<i>Acheta domesticus</i>		32	Gryllidae
<i>Acromantis japonica</i>		242	Hymenopodidae
<i>Anopheles</i>		218	Culicidae
<i>Anurogryllus</i>		79, 84	Gryllidae
<i>Austroplatypus incompertus</i>		194	Curculionidae
(Other multicellular organisms)			(Family)
<i>Aloe graminicola</i>		509	Asphodelaceae
<i>Azadirachta indica</i>		509	Meliaceae
(Isoptera)			
Baissatermes***	Engel, Grimaldi & Krishna, 2007	36, 39–41	"Lower termite"
Not allocated to a family			
<i>Basidentitermes</i>	Holmgren, 1912	488	22
<i>Bicornitermes</i>	Krishna, 1961	484	4
<i>Bifiditermes</i>	Krishna, 1961	484, 500	4
<i>Bifiditermes beelsoni</i>	(Gardner, 1944)	256	4

<i>Bulbitermes</i>	Emerson, 1949	36, 489	25
(Blattodea)			
<i>Blaberus cranifer</i>		32	Blaberidae
<i>Blaberus fuscus</i>		242	Blaberidae
<i>Blaptica dubia</i>		242	Blaberidae
<i>Blatta orientalis</i>		242	Blattidae
<i>Blattella germanica</i>		32, 86, 242	Blattellidae
<i>Blattella nipponica</i>		242	Blattellidae
(Hymenoptera)			
<i>Bombus impatiens</i>		110	Apidae
<i>Brachygastra mellifica</i>		98, 104	Vespidae
(Other multicellular organisms)			
<i>Brachiaria decumbens</i>		505	Poaceae
(Isoptera)			
<i>Caetetermes</i>	Fontes, 1981	488	25
<i>Calcaritermes</i>	Snyder, 1925	484	4
<i>Capritermes</i>	Wasmann, 1897	488, 500	24
<i>Carinatermes</i>	Krishna & Grimaldi, 2000	36, 39, 41	3
<i>Cavitermes</i>	Emerson, 1925	488	24
<i>Cephalotermes</i>	Silvestri, 1912	19, 37, 487	20
<i>Ceylonitermes</i>	Holmgren, 1912	36	25
<i>Coarctotermes</i>	Holmgren, 1912	36, 439	25
<i>Coarctotermes suffuscus</i>	(Emerson, 1928)	18	25
This is a junior synonym of <i>Fulleritermes tenebricus</i> (Silvestri, 1914)			
<i>Coatitermes</i>	Fontes, 1982	489	25
<i>Comatermes</i>	Krishna, 1961	500	4
<i>Constrictotermes</i>	Holmgren, 1910	36, 489–490	25
<i>Constrictotermes cyphergaster</i>	(Silvestri, 1901)	292, 295–296, 303, 494	25
<i>Convexitermes</i>	Holmgren, 1910	36, 490	25
<i>Coptotermes</i>	Wasmann, 1896	16, 21–22, 42, 137, 141, 143–144, 146, 148, 155, 171, 241, 243, 290, 329, 340, 417–418, 421, 485, 500–502, 519, 532, 542–545, 547–548, 550–553	6
<i>Coptotermes acinaciformis</i>	(Froggatt, 1898)	219, 340, 381, 529, 535, 538, 545	6

<i>Coptotermes brunneus</i>	Gay, 1955	545	6
<i>Coptotermes curvignathus</i>	Holmgren, 1913	502, 529, 532	6
<i>Coptotermes formosanus</i>	Shiraki, 1909	33, 43, 58–59, 61–62, 145, 170, 223, 227, 235, 242, 283, 287, 297, 302, 321, 325–328, 331–333, 338–340, 426, 442–443, 446, 461, 466, 510, 529–531, 535–536, 543, 545–546, 548–549, 550, 553	6
<i>Coptotermes frenchi</i>	Hill, 1932	340, 530–531, 538	6
<i>Coptotermes gestroi</i>	(Wasmann, 1896)	302, 338–339, 523, 530–531, 536, 545, 553	6
<i>Coptotermes havilandi</i>	Holmgren, 1911	523, 531, 536	6
<i>Coptotermes heimi</i>	(Wasmann, 1902)	538, 553	6
<i>Coptotermes lacteus</i>	(Froggatt, 1897)	32, 144, 281, 325, 328, 330–331, 337, 340, 545	6
<i>Coptotermes pacificus</i>	Light, 1932	10	6
<i>Coptotermes sjostedti</i>	Holmgren, 1911	18, 531–532	6
<i>Coptotermes</i> sp.		43	6
<i>Coptotermes</i> spp.		327	6
<i>Coptotermes testaceus</i>	(Linnaeus, 1758)	43, 502, 505	6
<i>Coptotermes vastator</i>	Light, 1929	523, 531, 536, 553	6
<i>Cornicapritermes</i>	Emerson, 1950	488	24
<i>Cornitermes</i>	Wasmann, 1897	22, 290, 487, 500, 503, 505, 507	19
<i>Cornitermes bequaerti</i>	Emerson, 1952	284–286, 290–292, 303, 309, 501, 505	19
<i>Cornitermes cumulans</i>	Kollar, 1832	286, 290–292, 303, 503–505, 507, 510	19
<i>Cornitermes ovatus</i>	Emerson, 1952	502	19
<i>Cornitermes snyderi</i>	Emerson, 1952	287, 290, 303, 505, 507	19
<i>Cornitermes</i> sp.		501	19
<i>Cortaritermes</i>	Mathews, 1977	489	25
<i>Coxocapritermes</i>	Ahmad & Akhtar, 1981	488	23

<i>Coxotermes</i>	Grassé & Noirot, 1954	485	16
Cratokalotermes***	Bechly, 2007	36, 39, 40–41	“Lower termite”
Not allocated to a family			
Cratomastotermes***	Bechly, 2007	40	Cratomastotermitidae
Cratomastotermes <i>wolfschweningeri</i> ***	Bechly, 2007	39	Cratomastotermitidae
<i>Crenetermes</i>	Silvestri, 1912	487	22
<i>Crepititermes</i>	Emerson, 1925	488	24
<i>Cristatitermes</i>	Miller, 1991	488	24
<i>Cryptotermes</i>	Banks, 1906	113, 140, 147–148, 151, 155, 157, 308, 418, 484, 500, 519, 542, 544, 546–548, 551–553	4
<i>Cryptotermes brevis</i>	(Walker, 1853)	155, 301, 393, 466, 520, 522, 524–525, 531, 534, 549–550, 552–553	4
<i>Cryptotermes cavifrons</i>	Banks, 1906	424	4
<i>Cryptotermes cubioceps</i>	(Emerson, 1925)	505	4
<i>Cryptotermes cynocephalus</i>	Light, 1921	151–153, 525, 534, 549	4
<i>Cryptotermes darlingtonae</i>	Scheffrahn & Krecek, 1999	301	4
<i>Cryptotermes domesticus</i>	(Haviland, 1898)	152–153, 523, 526, 534, 550, 552	4
<i>Cryptotermes dudleyi</i>	Banks, 1918	523, 526–527, 534, 550, 552	4
<i>Cryptotermes havilandi</i>	(Sjöstedt, 1900)	522, 527, 531, 534, 550	4
<i>Cryptotermes pallidus</i>	(Rambur, 1842)	301	4
<i>Cryptotermes secundus</i>	(Hill, 1925)	112, 118, 139, 147, 149, 150–155, 218, 223, 225, 239–240, 242, 325	4
<i>Cryptotermes verruculosus</i>	(Emerson, 1925)	18	4
<i>Cubitermes</i>	Wasmann, 1906	16–17, 22, 351, 383, 388–389, 399–401, 418–420, 451, 454, 487, 491	22
<i>Cubitermes fungifaber</i>	Wasmann, 1906	282–283, 285, 352, 419	22

<i>Cubitermes</i> –group*		16, 17, 40, 45, 487, 491,	22
<i>Cubitermes niokolensis</i>	Roy-Noel, 1969	385	22
<i>Cubitermes orthognathus</i>	(Emerson, 1928)	399–400, 430, 448, 456	22
<i>Cubitermes severus</i>	Silvestri, 1914	23, 401	22
<i>Cubitermes</i> sp.		303	22
<i>Cubitermes speciosus</i>	Sjöstedt, 1924	399	22
<i>Cubitermes</i> spp.		351, 388, 463–464	22
<i>Cubitermes subarquatus</i>	Sjöstedt, 1926	325	22
<i>Cubitermes ugandensis</i>	Fuller, 1923	399, 401	22
<i>Cubitermes umbratus</i>	Williams, 1954	399	22
<i>Curvitermes</i>	Holmgren, 1912	36	19
<i>Cylindrotermes</i>	Holmgren, 1906	37, 487, 501	20
<i>Cylindrotermes</i> –group**		45, 487	20
<i>Cyranotermes</i>	Araujo, 1970	489	25
<i>Cyrelliotermes</i>	Fontes, 1985	487	19
(Hymenoptera)			
<i>Cataglyphis cursor</i>		256, 272–273	Formicidae
<i>Cataglyphis piliscapus</i>		256	Formicidae
<i>Cataglyphis sabulosa</i>		256	Formicidae
<i>Cerapachys biroi</i>		256	Formicidae
(Blattodea)			
<i>Cryptocercus</i>		2, 15, 27–32, 34, 37, 46, 58, 69–71, 73–74, 76–77, 79, 80–82, 85–87, 89, 99, 100, 108, 154, 167, 241, 416, 420, 428, 441	Cryptocercidae
<i>Cryptocercus clevelandi</i>		32, 58–59	Cryptocercidae
<i>Cryptocercus kyebangensis</i>		242	Cryptocercidae
<i>Cryptocercus punctulatus</i>		29, 32–33, 74, 76, 83, 242, 442–443, 449	Cryptocercidae
<i>Cryptocercus relictus</i>		32	Cryptocercidae
(Other insects)			
<i>Creobroter pictipennis</i>		32	Mantidae
<i>Ctenolepisma lineata</i>		55	Lepismatidae
(Other multicellular organisms)			
<i>Caenorhabditis elegans</i>		57, 239	Rhabditidae
<i>Cassia siamea</i>		509	Fabaceae (Leguminosae)

<i>Ciona intestinalis</i>		57	Cionidae
(Isoptera)			
<i>Dentispicotermes</i>	Emerson, 1949	487	18
Dharmatermes***	Engel, Grimaldi & Krishna, 2007	36, 39–41	"Lower termite"
Not allocated to a family			
<i>Dihoplotermes</i>	Araujo, 1961	488	24
<i>Dicuspiditermes</i>	Krishna, 1965	488	23
<i>Diversitermes</i>	Holmgren, 1912	36, 489	25
<i>Diwaitermes</i>	Roisin & Pasteels, 1996	489	25
<i>Dolichorhinotermes</i>	Synder & Emerson, 1949	484	12
<i>Drepanotermes</i>	Silvestri, 1909	486	18
<i>Drepanotermes perniger</i>	(Froggatt, 1898)	303	18
<i>Drepanotermes rubriceps</i>	(Froggatt, 1898)	351–352	18
<i>Duplidentitermes</i>	Emerson, 1959	485	16
(Hymenoptera)			
<i>Diacamma</i>		233	Formicidae
(Other insects)			
<i>Drosophila</i>		172, 178, 218	Drosophilidae
<i>Drosophila melanogaster</i>		57, 233, 239	Drosophilidae
(Other multicellular organisms)			
<i>Dioscorea</i>		505	Dioscoreaceae
(Isoptera)			
<i>Eburnitermes</i>	Noirot, 1966	485	16
<i>Ekphysotermes</i>	Gay, 1971	488	24
<i>Eleanoritermes</i>	Ahmad, 1968	490	25
<i>Embiraetermes</i>	Fontes, 1985	487, 501	19
<i>Embiraetermes festivellus</i>	(Silvestri, 1901)	287, 303	19
<i>Ephelotermes</i>	Miller, 1991	488	24
<i>Epicalotermes</i>	Silvestri, 1918	484, 500	4
<i>Eremotermes</i>	Silvestri, 1911	486	18
<i>Eremotermes</i> sp.		504	18
<i>Euchilotermes</i>	Silvestri, 1914	488	22
<i>Eucryptotermes</i>	Holmgren, 1911	484	4
<i>Euhamitermes</i>	Holmgren, 1912	486	17
<i>Eurytermes</i>	Wasmann, 1902	486	17
<i>Eutermellus</i>	Silvestri, 1912	36, 489	25
(Other Hymenoptera)			
<i>Eciton burchelli</i>		104	Formicidae
(Other multicellular organisms)			
<i>Eucalyptus</i>		494	Myrtaceae

<i>Eucalyptus camaldulensis</i>		501	Myrtaceae
<i>Eucalyptus dalrympleana</i>		494	Myrtaceae
<i>Eucalyptus delegatensis</i>		494	Myrtaceae
<i>Eucalyptus grandis</i>		501, 507	Myrtaceae
<i>Eucalyptus obliqua</i>		494	Myrtaceae
<i>Eucalyptus</i> spp.		508	Myrtaceae
<i>Euphorbia tirucalli</i>		509	Euphorbiaceae
(Isoptera)			
<i>Foraminitermes</i>	Holmgren, 1912	485	15
<i>Fastigitermes</i>	Sjöstedt, 1924	487	22
<i>Furculitermes</i>	Emerson, 1960	488	22
(Isoptera)			
<i>Globitermes</i>	Holmgren, 1912	486	18
<i>Glossotermes</i>	Emerson, 1950	8, 41, 133, 141, 143, 147, 157, 484	5
<i>Glossotermes oculatus</i>	Emerson, 1950	142	5
<i>Glyptotermes</i>	Froggatt, 1896	484, 500, 532, 542, 547, 551	4
<i>Glyptotermes brevicornis</i>	Froggatt, 1897	528, 532	4
<i>Glyptotermes chapmani</i>	(Light, 1930)	10	4
<i>Glyptotermes fuscus</i>	Oshima, 1912	242	4
<i>Glyptotermes nakajimai</i>	Morimoto, 1973	242	4
<i>Glyptotermes satsumensis</i>	(Matsumura, 1907)	43	4
<i>Glyptotermes taveuniensis</i>	(Hill, 1926)	532	4
<i>Gnathamitermes</i>	Light, 1932	487	18
<i>Grallatotermes</i>	Holmgren, 1912	36, 489	25
<i>Grigiotermes</i>	Mathews, 1977	486, 503	17
(Blattodea)			
<i>Gromphadorhina portentosa</i>		242	Blaberidae
(Isoptera)			
<i>Hapsidotermes</i>	Miller, 1991	489	24
<i>Havilanditermes</i>	Light, 1930	36, 489	25
<i>Heimitermes</i>	Grassé & Noirot, 1954	485	16
<i>Heterotermes</i>	Froggatt, 1896	141, 143, 485, 503, 519, 532, 535, 537, 544, 547, 551–552	7
<i>Heterotermes cardini</i>	(Snyder, 1924)	532	7
<i>Heterotermes convexinotatus</i>	(Snyder, 1924)	528, 531–532	7
<i>Heterotermes crinitus</i>	(Emerson, 1925)	502	7
<i>Heterotermes longiceps</i>	(Snyder, 1924)	43	7
<i>Heterotermes perfidus</i>	(Silvestri, 1936)	528, 537, 544, 553	7

<i>Heterotermes philippinensis</i>	(Light, 1921)	528, 537	7
<i>Heterotermes</i> sp. nov.		528, 532, 544	7
<i>Heterotermes</i> spp.		338, 502, 542	7
<i>Heterotermes tenuis</i>	(Hagen, 1858)	43, 202, 501–502, 528, 531–532	7
<i>Hirtitermes</i>	Holmgren, 1912	36, 489	25
<i>Hodotermes</i>	Hagen, 1853	16, 141, 500	3
<i>Hodotermes mossambicus</i>	(Hagen, 1853)	242, 281, 284, 286, 290, 295–296, 298, 301, 310, 505–506, 510	3
<i>Hodotermopsis</i>	Holmgren, 1911	40, 43, 141, 147– 149, 157, 243, 310	2
<i>Hodotermopsis japonica</i>	Holmgren, 1912	32	2
<i>Hodotermopsis sjostedti</i>	Holmgren, 1911	33, 59, 60–62, 64, 149–150, 214–215, 219, 221, 227–229, 231–233, 237–240, 242, 285–286, 293, 298–299, 301, 423, 510	2
<i>Homallotermes</i>	John, 1925	488	23
<i>Hospitalitermes</i>	Holmgren, 1912	19, 36, 381, 489	25
<i>Hospitalitermes hospitalis</i>	Haviland, 1898	295–296	25
<i>Hospitalitermes</i> sp.		295	25
<i>Hypotermes</i>	Holmgren, 1913	194, 485	13
<i>Hypotermes makhamensis</i>	Ahmad, 1967	395	13
(Other multicellular organisms)			
<i>Haliotis discus</i>		57	Haliotidae
Misspelled in the text as Haliotus			
(Isoptera)			
<i>Incisitermes</i>	Krishna, 1961	484, 500, 541, 547–548, 551, 553	4
<i>Incisitermes immigrans</i>	(Snyder, 1922)	33, 524, 537, 553	4
<i>Incisitermes minor</i>	(Hagen, 1858)	33, 170, 325, 524, 532	4
<i>Incisitermes schwarzi</i>	Banks, 1920	330	4
<i>Incisitermes tabogae</i>	(Snyder, 1924)	301	4
<i>Inquilinitermes</i>	Mathews, 1977	488	24
<i>Inquilinitermes microcerus</i>	(Silvestri, 1901)	292	24
<i>Invasitermes</i>	Miller, 1984	487	18
(Isoptera)			
<i>Jugositermes</i>	Emerson, 1928	485	16

<i>Jugositermes tuberculatus</i>	Emerson, 1928	18	16
(Isoptera)			
<i>Kalotermes</i>	Hagen, 1853	134, 136, 147, 484, 492–493, 500, 542, 547, 551	4
<i>Kalotermes banksii</i>	Hill, 1942	523, 527	4
<i>Kalotermes flavicollis</i>	(Fabricius, 1793)	71, 135–136, 151, 213, 256, 286, 290, 296, 300–301, 510	4
<i>Kemneritermes</i>	Ahmad & Akhtar, 1981	488	23
(Other insects)			
<i>Kongobatha diademata</i>		32	Iridopterygidae
(Isoptera)			
<i>Labidotermes</i>	Deligne & Pasteels, 1969	485	16
<i>Labiotermes</i>	Holmgren, 1912	8, 36, 487	19
<i>Labiotermes labralis</i>	(Holmgren, 1906)	325, 331, 337	19
<i>Labritermes</i>	Holmgren, 1913	485	15
<i>Lacessititermes</i>	Holmgren, 1912	36, 489	25
<i>Lacessititermes batavus</i>	Kemner, 1934	540	25
<i>Lacessititermes</i> sp.		23	25
<i>Lepidotermes</i>	Sjöstedt, 1924	487	22
<i>Leptomyxotermes</i>	Sands, 1965	489	25
<i>Leptomyxotermes doriae</i>	(Silvestri, 1912)	540	25
<i>Leucopitermes</i>	Emerson, 1960	490	25
<i>Longipeditermes</i>	Holmgren, 1912	36, 489	25
<i>Lophotermes</i>	Miller, 1991	489	24
(Hymenoptera)			
<i>Lasius</i> sp.		110	Formicidae
<i>Liostenogaster</i>		116	Vespidae
(Other insects)			
<i>Locusta migratoria</i>		32	Acrididae
(Other multicellular organisms)			
<i>Lippia javanica</i>		509	Verbenaceae
(Isoptera)			
<i>Machadotermes</i>	Weidner, 1974	485	16
<i>Macrogathotermes</i>	Miller, 1991	488	24
<i>Macrosbulitermes</i>	Emerson, 1960	489	25
<i>Macrotermes</i>	Holmgren, 1909	21–22, 198, 369, 395, 418–419, 422, 485, 500, 504–506	13

<i>Macrotermes annandalei</i>	(Silvestri, 1914)	282–284, 286, 290–291, 295–297, 303, 305–307	13
<i>Macrotermes barneyi</i>	Light, 1924	283–284, 286, 290–291, 297, 303, 306	13
<i>Macrotermes bellicosus</i>	(Smeathman, 1781)	23, 45, 197, 201, 294, 303, 351–359, 364–365, 367, 369, 501, 504–505, 510	13
<i>Macrotermes carbonarius</i>	(Hagen, 1858)	281	13
<i>Macrotermes falciger</i>	(Gerstaecker, 1891)	503	13
<i>Macrotermes gilvus</i>	(Hagen, 1858)	199, 395, 397, 503	13
<i>Macrotermes jeanneli</i>	(Grassé, 1937)	358, 360	13
<i>Macrotermes michaelsoni</i>	(Sjöstedt, 1914)	291, 295–296, 325, 328, 331, 335, 337, 358–359, 364–365, 379, 504	13
<i>Macrotermes mossambicus</i>	(Hagen, 1858)	358	13
<i>Macrotermes natalensis</i>	(Haviland, 1898)	354, 501, 504–505	13
<i>Macrotermes</i> spp.		368, 458, 500–501	13
<i>Macrotermes subhyalinus</i>	(Rambur, 1842)	6, 291, 294, 303, 360, 366, 397, 503, 507	13
<i>Malagasitermes</i>	Emerson, 1960	490	25
<i>Malaysiocapritermes</i>	Ahmad & Akhtar, 1981	488	23
<i>Malaysiotermes</i>	Ahmad, 1968	490	25
<i>Marginitermes</i>	Krishna, 1961	484	4
<i>Mastotermes</i>	Froggatt, 1896	13, 37, 46, 136, 138, 308, 484, 533, 547, 551	1
<i>Mastotermes darwiniensis</i>	Froggatt, 1896	27–29, 31–33, 58–60, 62, 100, 113, 138, 155, 175, 218–219, 242, 281, 284, 290, 293, 296, 298–299, 301, 305, 308, 325, 330, 333, 336–337, 394, 422, 424, 442–443, 451, 457, 500, 510, 524,	1

		533–534, 542, 545, 549	
<i>Megagnathotermes notandus</i>	Silvestri, 1914	14	22
<i>Microcerotermes</i>	Silvestri, 1901	148, 381, 418–419, 421, 444, 486, 492, 500, 506, 553	18
<i>Microcerotermes biroi</i>	(Desneux, 1905)	297, 540	18
<i>Microcerotermes fuscotibialis</i>	(Sjöstedt, 1896)	18	18
<i>Microcerotermes papuanus</i>	Holmgren, 1911	540	18
<i>Microcerotermes parvus</i>	(Haviland, 1898)	466	18
<i>Microcerotermes</i> sp.		397, 506	18
<i>Microcerotermes strunckii</i>	(Soerensen, 1884)	14, 502, 540	18
<i>Microhodotermes</i>	Sjöstedt, 1926	500	3
<i>Microtermes</i>	Wasmann, 1902	45, 194, 197, 199, 291, 485, 492, 500, 502–503	13
<i>Microtermes albotarsalis</i>	(Sjöstedt, 1911)	506	13
<i>Microtermes lepidus</i>	Sjöstedt, 1924	504	13
<i>Microtermes mycophagus</i>	(Desneux, 1906)	504	13
<i>Microtermes najdensis</i>	Harris, 1964	506	13
Misspelled in the text as naidensis			
<i>Microtermes obesi</i>	Holmgren, 1913	504	13
<i>Microtermes</i> sp.		395, 501, 504	13
<i>Microtermes</i> spp.		506	13
<i>Microtermes subhyalinus</i>	Silvestri, 1914	503	13
<i>Microtermes thoracalis</i>	Sjöstedt, 1926	503–504, 506	13
<i>Microtermes traegardhi</i>	(Sjöstedt, 1904)	502	13
<i>Mimeutermes</i>	Silvestri, 1914	36	25
<i>Mirocapritermes</i>	Holmgren 1913	488	23
<i>Mirocapritermes</i> –group**		40	23
<i>Mucrotermes</i>	Emerson, 1960	487	22
(Hymenoptera)			
<i>Messor capitatus</i>		256	Formicidae
<i>Microstigmus comes</i>		111	Sphecidae
<i>Monomorium triviale</i>		256	Formicidae
<i>Mycosepurus smithii</i>		256	Formicidae
<i>Myrmecia</i>		113, 118	
(Other insects)			
<i>Manduca sexta</i>		237	Sphingidae
<i>Mantis religiosa</i>		242	Mantidae
(Other multicellular organisms)			

<i>Melia azedarach</i>		509	Meliaceae
(Isoptera)			
<i>Nasutitermes</i>	Dudley, 1890	22, 36, 146, 148–149, 157, 171, 176, 178–179, 200, 300, 328, 381, 418–419, 431, 444, 459, 489, 492, 502, 547, 551–552	25
<i>Nasutitermes aquilinus</i>	(Holmgren, 1910)	501	25
Misspelled in the text as <i>aquilicus</i>			
<i>Nasutitermes araujoi</i>	Roonwal & Rathore, 1976	533	25
<i>Nasutitermes comatus</i>	(Hill, 1942)	179	25
<i>Nasutitermes corniger</i>	(Motschulsky, 1855)	98, 176, 180, 182, 285, 287, 290–291, 294–297, 300, 304–307, 309, 325, 331, 333–334, 430, 523, 531, 533, 540, 542, 545, 549	25
<i>Nasutitermes costalis</i>	(Holmgren, 1910)	294, 366, 369, 502, 507, 510, 523, 533	25
<i>Nasutitermes coxipoensis</i>	(Holmgren, 1910)	304	25
<i>Nasutitermes diabolus</i>	(Sjöstedt, 1907)	304	25
<i>Nasutitermes dixonii</i>	(Hill, 1932)	179	25
<i>Nasutitermes ephratae</i>	(Holmgren, 1910)	285, 287, 290–291, 294, 304	25
<i>Nasutitermes ehrhardti</i>	(Holmgren, 1910)	307	25
Misspelled in the text as <i>erhardti</i>			
<i>Nasutitermes exitiosus</i>	Hill, 1925	179, 299, 300, 304–305	25
<i>Nasutitermes fumigatus</i>	(Brauer, 1865)	179	25
<i>Nasutitermes globiceps</i>	(Holmgren, 1910)	533	25
<i>Nasutitermes graveolus</i>	(Hill, 1925)	176, 179, 300, 304	25
<i>Nasutitermes guayanae</i>	(Holmgren, 1910)	304	25
<i>Nasutitermes kemneri</i>	Snyder & Emerson in Snyder, 1949	304	25

<i>Nasutitermes longipennis</i>	(Hill, 1915)	179	25
<i>Nasutitermes lujae</i>	(Wasmann, 1911)	282–283, 294, 304, 448	25
<i>Nasutitermes magnus</i>	(Froggatt, 1897)	179	25
<i>Nasutitermes nigriceps</i>	(Haldeman, 1853)	297, 331, 337, 394	25
<i>Nasutitermes novarumhebridarum</i>	(Holmgren & Holmgren, 1915)	146	25
<i>Nasutitermes octopilis</i>	Banks, 1918	18	25
<i>Nasutitermes pictus</i>	Light, 1933	10	25
<i>Nasutitermes pluvialis</i>	(Mjöberg, 1920)	179	25
<i>Nasutitermes polygynus</i>	Roisin & Pasteels, 1985	533, 549	25
<i>Nasutitermes princeps</i>	(Desneux, 1905)	331	25
<i>Nasutitermes rippertii</i>	(Rambur, 1842)	505	25
<i>Nasutitermes</i> sp.		430, 451	25
<i>Nasutitermes</i> spp.		458, 540	25
<i>Nasutitermes surinamensis</i>	(Holmgren, 1910)	503	25
<i>Nasutitermes takasagoensis</i>	(Oshima, 1912)	55, 57–62, 64, 215–216, 226, 242, 444	25
<i>Nasutitermes tatarendae</i>	(Holmgren, 1910)	533	25
<i>Nasutitermes triodiae</i>	(Froggatt, 1897)	21, 179, 351–352	25
<i>Nasutitermes voeltzkowi</i>	(Wasmann, 1911)	285, 287, 291, 304, 510	25
<i>Nasutitermes walkeri</i>	(Hill, 1942)	61, 179, 300, 304	25
<i>Neocapritermes</i>	Holmgren, 1912	37, 487, 502	18
<i>Neocapritermes opacus</i>	(Hagen, 1858)	501	18
<i>Neotermes</i>	Holmgren, 1911	140, 484, 500, 502	4
<i>Neotermes gestri</i>	Silvestri, 1912	505	4
Misspelled in the text as <i>gestroi</i>			
<i>Neotermes holmgreni</i>	Banks, 1918	302	4
<i>Neotermes insularis</i>	(Walker, 1853)	538	4
<i>Neotermes koshunensis</i>	(Shiraki, 1909)	32, 43, 58–62, 64, 151, 242, 458–460	4
<i>Neotermes maltensis</i>	(Oshima, 1917)	10	4
<i>Neotermes papua</i>	(Desneux, 1905)	140	4
<i>Neotermes wagneri</i>	(Desneux, 1905)	505	4
<i>Niuginitermes</i>	Roisin & Pasteels, 1996	489	25
<i>Noditermes</i>	Sjöstedt, 1924	487	22

(Hymenoptera)			
Nothomyrmecia		118	Formicidae
(Blattodea)			
Nauphoeta cinerea			Blaberidae
(Isoptera)			
<i>Obtusitermes</i>	Snyder, 1924	36, 501	25
<i>Occasitermes</i>	Holmgren, 1912	36	25
<i>Occultitermes</i>	Emerson, 1960	488	25
<i>Odontotermes</i>	Holmgren, 1912	194, 198, 360, 418–419, 422, 485, 500, 502–506	13
<i>Odontotermes badius</i>	(Haviland, 1898)	506	13
<i>Odontotermes bellahunisensis</i>	Holmgren & Holmgren, 1917	502	13
<i>Odontotermes formosanus</i>	(Shiraki, 1909)	58–59, 61–63, 242, 303, 397, 502–504	13
<i>Odontotermes gurdaspurensis</i>	Holmgren & Holmgren, 1917	501	13
<i>Odontotermes hainanensis</i>	(Light, 1924)	303, 307	13
<i>Odontotermes horni</i>	(Wasmann, 1902)	502	13
<i>Odontotermes latericius</i>	(Haviland, 1898)	303, 360	13
<i>Odontotermes maesodensis</i>	Ahmad, 1965	282–283, 303	13
<i>Odontotermes nilensis</i>	Emerson in Snyder, 1949	506–507	13
<i>Odontotermes obesus</i>	(Rambur, 1842)	501–504, 506, 509	13
<i>Odontotermes redemanni</i>	(Wasmann, 1893)	503	13
<i>Odontotermes smeathmani</i>	(Fuller, 1924)	502–503, 507	13
<i>Odontotermes</i> sp.		395, 504, 510	13
<i>Odontotermes</i> spp.		502	13
<i>Odontotermes transvaalensis</i>	(Sjöstedt, 1902)	360	13
<i>Odontotermes wallonensis</i>	(Wasmann, 1902)	502	13
<i>Onkotermes</i>	Constantino, 2002	487	18
<i>Ophiotermes</i>	Sjöstedt, 1924	16–17, 488	22
<i>Oriencapritermes</i>	Ahmad & Akh- tar, 1981	488	23
<i>Oriensubulitermes</i> –group**		492	25
<i>Orientotermes</i>	Ahmad, 1976	487	21
<i>Orthognathotermes</i>	Holmgren, 1910	487	18
<i>Orthotermes</i>	Silvestri, 1914	488	22

(Isoptera)			
<i>Paracapritermes</i>	Hill, 1942	488	24
<i>Paracornitermes</i>	Emerson, 1949	36	19
<i>Paraneotermes</i>	Light, 1937	37, 484, 500	4
<i>Parrhinotermes</i>	Holmgren, 1910	141, 145, 485	12
<i>Parrhinotermes buttel-reepeni</i>	Holmgren, 1913	43	12
<i>Parrhinotermes queenslandicus</i>	Mjöberg, 1920	43	12
<i>Parrhinotermes</i> sp.		43	12
<i>Parvitermes</i>	Emerson, 1949	36	25
<i>Pericapritermes</i>	Silvestri, 1914	488, 492, 500	23
<i>Pericapritermes</i> –group**		45, 488	23
<i>Pericapritermes nitobei</i>	Shiraki, 1909	242	23
<i>Pericapritermes urgens</i>	Silvestri, 1914	18	23
<i>Phoxotermes</i>	Collins, 1977	485	16
<i>Planicapritermes</i>	Emerson, 1949	37, 487	18
<i>Porotermes</i>	Hagen, 1858	284, 484, 493, 542, 547, 551	2
<i>Porotermes adamsoni</i>	(Froggatt, 1896)	33, 296, 298–299, 301, 305, 308, 494, 524, 537, 541, 544, 549	2
<i>Postelectrotermes</i>	Krishna, 1961	484, 500	4
<i>Postelectrotermes howa</i>	(Wasmann, 1897)	302	4
<i>Postsubulitermes</i>	Emerson, 1960	489	25
<i>Proboscitermes</i>	Sjöstedt, 1924	487	22
<i>Procapritermes</i>	Holmgren, 1912	488	23
<i>Procornitermes</i>	Emerson, 1949	36, 487, 500, 503, 505	19
<i>Procornitermes araujoi</i>	Emerson, 1952	501	19
<i>Procornitermes</i> sp.		287, 502	19
<i>Procornitermes striatus</i>	(Hagen, 1858)	504	19
<i>Procornitermes triacifer</i>	(Silvestri, 1901)	503–504, 507	19
<i>Procryptotermes</i>	Holmgren, 1910	484	4
<i>Procryptotermes falcifer</i>	Krishna, 1962	302	4
<i>Procryptotermes leewardensis</i>	Scheffrahn & Krecek, 2001	302	4
<i>Procubitermes</i>	Silvestri, 1914	388–389, 487	22
<i>Procubitermes arboricola</i>	(Sjöstedt, 1897)	23	22
<i>Procubitermes niapuensis</i>	(Emerson, 1928)	18	22
<i>Procubitermes</i> sp.		388	22
<i>Profastigitermes</i>	Emerson, 1960	488	22

<i>Prohamitermes</i>	Holmgren, 1912	486	18
<i>Promirotermes</i>	Silvestri, 1914	487	18
<i>Promirotermes orthocops</i>	(Emerson, 1928)	18	18
Misspelled in text as orthocopes			
<i>Prorhinotermes</i>	Silvestri, 1909	8, 21, 133, 141–142, 147–148, 157, 293, 308	8
<i>Prorhinotermes canalifrons</i>	(Sjöstedt, 1904)	299, 302, 510	8
<i>Prorhinotermes simplex</i>	(Hagen, 1858)	284–286, 299–300, 302	8
<i>Protermes</i>	Holmgren, 1910	485	13
<i>Protocapritermes</i>	Holmgren, 1912	488	24
<i>Protohamitermes</i>	Holmgren, 1912	37, 487	21
<i>Protohamitermes</i> –group**		20, 40, 45, 487	21
<i>Psammotermes</i>	Desneux, 1902	5, 8, 141, 484	9
<i>Psammotermes allocerus</i>	Silvestri, 1908	33, 43	9
<i>Psammotermes hybostoma</i>	(Desneux, 1902)	141, 506	9
<i>Pseudacanthotermes</i>	Sjöstedt, 1924	198, 485, 500, 505	13
<i>Pseudacanthotermes militaris</i>	(Hagen, 1858)	286, 291, 303, 307, 309, 380, 395, 501, 505	13
<i>Pseudacanthotermes spiniger</i>	(Sjöstedt, 1900)	176, 180, 282–286, 290–291, 294, 303, 306–307, 309, 503, 507, 510	13
<i>Pseudacanthotermes</i> spp.		501	13
<i>Pseudocapritermes</i>	Kemner, 1934	488	4
<i>Pseudomicrotermes</i>	Holmgren, 1912	486	18
<i>Pterotermes</i>	Holmgren, 1911	484	4
(Hymenoptera)			
<i>Paratrechina longicornis</i>		256	Formicidae
<i>Pheidole</i>		233	Formicidae
<i>Platythyrea punctata</i>		256	Formicidae
<i>Polistes</i>		107, 116, 120, 235	Vespidae
<i>Polistes dominulus</i>		292, 339	Vespidae
<i>Polistes instabilis</i>		110	Vespidae
<i>Pristomyrmex pungens</i>		256	Formicidae
<i>Pyramica membranifera</i>		256	Formicidae
(Blattodea)			
<i>Panesthia</i>		75–78, 419	Blaberidae
<i>Panesthia angustipennis</i>		78	Blaberidae
<i>Panesthia cribata</i>		55	Blaberidae

<i>Panesthia spadica</i>		75	Blaberidae
<i>Parcoblatta sp.</i>		242	Blattellidae
<i>Periplaneta</i>		15	Blattidae
<i>Periplaneta americana</i>		32, 58–59, 242, 457	Blattidae
<i>Periplaneta australasiae</i>		32	Blattidae
<i>Polyphaga aegyptica</i>		32	Polyphagidae
(Other insects)			
<i>Paroxypilus tasmaniensis</i>		32	Amorphoscelidae
(Other multicellular organisms)			
<i>Phaseolus vulgaris</i>		56	Leguminosae
<i>Pueraria</i>		509	Leguminosae
(Isoptera)			
<i>Quasitermes</i>	Emerson, 1950	488	24
(Isoptera)			
<i>Reticulitermes</i>	Holmgren, 1913	42–43, 137, 141, 143–144, 146–148, 227, 241, 260, 263, 265, 290–291, 329, 417–418, 421, 452, 455, 485, 492–493, 500, 542, 544, 547, 549–500, 552	7
<i>Reticulitermes arenicola</i>	Goellner, 1931	523	7
<i>Reticulitermes flavipes</i>	(Kollar, 1837)	33, 61, 63, 110, 143–144, 149–150, 167, 170, 200, 216–217, 219–229, 235–237, 239–240, 242, 285–287, 294–297, 302, 321, 325, 327–328, 330–335, 337–340, 392, 443, 453–457, 466, 507, 510, 523, 534–535, 543, 545, 548–551	7
<i>Reticulitermes grassei</i>	Clément, 1978	143–144, 330, 333, 335, 337, 529, 532, 536	7
<i>Reticulitermes hageni</i>	Banks, 1920	330, 332, 336	7
<i>Reticulitermes hesperus</i>	Banks, 1920	295–296, 305, 325, 328, 330	7
<i>Reticulitermes kanmonensis</i>	Takematsu, 1999	327	7
<i>Reticulitermes lucifugus</i>	(Rossi, 1792)	143, 535	7

<i>Reticulitermes lucifugus</i> form <i>cor-sicus</i>		337–338	7
<i>Reticulitermes lucifugus</i> form <i>grassei</i>		302, 307	7
<i>Reticulitermes lucifugus</i> form <i>santonensis</i>		143, 227, 274, 284, 296	7
<i>Reticulitermes malletei</i>	Clément, 1986	328, 330, 336	7
<i>Reticulitermes santonensis</i>	Feytaud, 1950	219, 221, 227, 284–285, 286–287, 291, 297, 302, 307, 309, 325, 339, 394, 449, 549	7
<i>Reticulitermes speratus</i>	(Kolbe, 1885)	33, 55–56, 59–64, 144, 151, 177, 180, 182, 256–257, 260–262, 264–265, 267, 272–274, 296, 302, 305, 322, 325, 330–331, 334, 338, 398, 417, 421, 423, 427, 442–443	7
<i>Reticulitermes speratus</i> form <i>kyushuensis</i>		242	7
<i>Reticulitermes speratus</i> form <i>speratus</i>		242	7
<i>Reticulitermes</i> spp.		324, 338, 447–448, 452–453	7
<i>Reticulitermes tibialis</i>	Banks, 1920	227	7
<i>Reticulitermes urbis</i>	Bagnères, Uva & Clément, 2003	330	7
<i>Reticulitermes virginicus</i>	(Banks, 1907)	227, 256–257, 262, 270, 274, 302, 327–328, 330, 332	7
<i>Reticulitermes yaeyamanus</i>	Morimoto, 1968	242	7
<i>Rhadinotermes</i>	Sands, 1965	489	25
<i>Rhinotermes</i>	Hagen, 1858	141, 485	12
<i>Rhinotermes hispidus</i>	Emerson, 1925	18, 43	12
<i>Rhinotermes marginalis</i>	(Linnaeus, 1758)	43, 302	12
<i>Rhynchotermes</i>	Holmgren, 1912	36, 487, 501	19
<i>Rotunditermes</i>	Holmgren, 1910	36	25
<i>Rugitermes</i>	Holmgren, 1911	484, 500	4
<i>Rugitermes athertoni</i>	(Light, 1932)	10	4
<i>Rugitermes bicolor</i>	(Emerson, 1925)	18	4

<i>Ruptitermes</i>	Mathews, 1977	486	17
(Hymenoptera)			
<i>Ropalidia marginata</i>		120	Vespidae
(Isoptera)			
<i>Saxatitermes</i>	Miller, 1991	489	24
<i>Schedorhinotermes</i>	Silvestri, 1909	141, 145, 485	12
<i>Schedorhinotermes lamanianus</i>	(Sjöstedt, 1911)	274, 297, 302, 328, 333, 336	12
<i>Schedorhinotermes putorius</i>	(Sjöstedt, 1896)	380	12
<i>Schedorhinotermes</i> sp.		43	12
<i>Serritermes</i>	Wasmann, 1897	41, 141	5
<i>Sinocapritermes mushae</i>	(Oshima & Maki, 1919)	58–59, 63, 385	23
<i>Skatitermes</i>	Coaton, 1971	486	17
<i>Speculitermes</i>	Wasmann, 1902	486	17
<i>Sphaerotermes</i>	Holmgren, 1912	308, 310, 485	14
<i>Spinitermes</i>	Wasmann, 1897	488	24
<i>Stolotermes</i>	Hagen, 1858	37, 112, 284, 484, 493	2
<i>Stolotermes victoriensis</i>	Hill, 1921	298–299, 301, 308	2
<i>Styloptermes</i>	Holmgren & Holmgren, 1917	41, 141, 484	10
<i>Subuloiditermes</i>	Ahmad, 1968	490	25
<i>Subulitermes</i>	Holmgren, 1910	36, 489, 501	25
<i>Subulitermes</i> –group**		492	25
<i>Synacanthotermes</i>	Holmgren, 1910	199, 485	13
<i>Syncapritermes</i>	Ahmad & Akh- tar, 1981	488	23
<i>Synhamitermes</i>	Holmgren, 1912	487	18
<i>Syntermes</i>	Holmgren, 1910	22, 35–36, 487, 500, 503, 507	19
<i>Syntermes grandis</i>	(Rambur, 1842)	282–283, 287, 303, 502	19
<i>Syntermes molestus</i>	(Burmeister, 1839)	501–503, 507	19
<i>Syntermes nanus</i>	Constantino, 1995	503	19
<i>Syntermes praecellens</i>	Silvestri, 1946	281, 287, 309	19
<i>Syntermes wheeleri</i>	Emerson, 1945	505	19
(Blattodea)			
<i>Salganea</i>		69, 74–78, 85, 89, 419	Blaberidae
<i>Salganea esakii</i>		75, 78	Blaberidae

<i>Salganea taiwanensis</i>		74, 76	Blaberidae
(Other insects)			
<i>Sphodoptera littoralis</i>		509	Noctuidae
<i>Statilia maculata</i>		242	Mantidae
(Other multicellular organisms)			
<i>Steinernema carpocapsae</i>		180, 510	Steinernematidae
<i>Steinernema feltiae</i>		510	Steinernematidae
<i>Steinernema kushidae</i>		510	Steinernematidae
(Isoptera)			
Tanytermes***	Engel, Grimaldi & Krishna, 2007	36, 39–41	"Lower termite"
Not allocated to a family			
<i>Tauritermes</i>	Krishna, 1961	484	4
<i>Tenuirostritermes</i>	Holmgren, 1912	6, 9, 36, 489	25
<i>Termes</i>	Linnaeus, 1758	385, 488, 492, 500, 547, 551	24
<i>Termes</i> –group*		40, 45, 488	24
<i>Termes hispaniolae</i>	(Banks, 1918)	303, 531, 533, 541–542, 545	24
<i>Termes nigrinus</i>	(Silvestri, 1901)	502	24
<i>Termitogeton</i>	Desneux, 1904	141–143, 147, 484	11
<i>Termitogeton planus</i>	(Haviland, 1898)	33, 43, 142	11
<i>Termopsis</i>	Heer, 1849	39	2
<i>Thoracotermes</i>	Wasmann, 1911	487	22
<i>Triacitermes</i>	Emerson, 1949	36	19
The only species in this genus is now called <i>Procornitermes triacifer</i> (Silvestri, 1901)			
<i>Trinervitermes</i>	Holmgren, 1912	22, 36, 300, 352, 381, 489	25
<i>Trinervitermes bettonianus</i>	(Sjöstedt, 1905)	281, 283–285, 287, 291, 294, 300, 304, 309	25
<i>Trinervitermes geminatus</i>	(Wasmann, 1897)	304, 367, 369, 493, 505	25
<i>Trinervitermes oeconomus</i>	(Tragardh, 1904)	351	25
<i>Trinervitermes trinervius</i>	(Rambur, 1842)	507	25
<i>Trinervitermes trinervoides</i>	(Sjöstedt, 1911)	294, 296, 304	25
<i>Tuberculitermes</i>	Holmgren, 1912	487	22
<i>Tumulitermes</i>	Holmgren, 1912	36, 489	25
<i>Tumulitermes pastinator</i>	(Hill, 1915)	179	25
(Hymenoptera)			
<i>Temnothorax longispinosus</i>		101	Formicidae
(Blattodea)			
<i>Therea petiveriana</i>		32	Polyphagidae

(Other insects)			
<i>Tenodera angustipennis</i>		32	Mantidae
<i>Tenodera aridifolia</i>		242	Mantidae
(Isoptera)			
<i>Unguitermes</i>	Sjöstedt, 1924	487	22
(Isoptera)			
<i>Velocitermes</i>	Holmgren, 1912	5, 36, 489	25
<i>Velocitermes</i> sp.		256	25
<i>Verrucositermes</i>	Emerson, 1960	489	25
(Hymenoptera)			
<i>Vollenhovia emeryi</i>		256, 272	Formicidae
(Hymenoptera)			
<i>Wassania auropunctata</i>		256, 272	Formicidae
(Isoptera)			
<i>Xylochomitermes</i>	Miller, 1991	488	24
(Isoptera)			
<i>Zootermopsis</i>	Emerson, 1933	100, 140–141, 147–148, 167, 173, 175, 243, 285, 300, 310, 328, 446, 452, 460, 484, 493	2
<i>Zootermopsis angusticollis</i>	(Hagen, 1858)	10, 12, 33, 152– 153, 171–176, 180–184, 228, 256, 285–286, 291, 293, 298, 301, 309, 325, 330, 394, 454, 466	2
<i>Zootermopsis nevadensis</i>	(Hagen, 1874)	101, 104–105, 112, 118, 140, 152, 241–242, 256, 281, 284–286, 290–291, 296, 298–301, 309–310, 325, 327, 330, 334, 451, 453	2
<i>Zootermopsis nevadensis</i> form <i>nuttingi</i>		330, 333	2
<i>Zootermopsis</i> spp.		445, 448, 452, 459	2

Table 2. Key to taxonomic codes. The codes abbreviate the affiliation of each termite listed in the alphabetical index (this paper), following the scheme developed by Davies et al. (2003) and Inward et al. (2007b) and used in Table 17.2 Chapter 17 (*Global Biogeography of Termites: a Compilation of Sources*, pp. 477–498).

Taxonomic Code	Family	Subfamily	Functional Taxonomic Group
1	Mastotermitidae	-	-
2	Termopsidae	-	-
3	Hodotermitidae	-	-
4	Kalotermitidae	-	-
5	Serritermitidae	-	-
6	Rhinotermitidae	Coptotermitinae	-
7	Rhinotermitidae	Heterotermitinae	-
8	Rhinotermitidae	Prorhinotermitinae	-
9	Rhinotermitidae	Psammotermitinae	-
10	Rhinotermitidae	Stylotermitinae	-
11	Rhinotermitidae	Termitogetoninae	-
12	Rhinotermitidae	Rhinotermitinae	-
13	Termitidae	Macrotermitinae	-
14	Termitidae	Sphaerotermitinae	-
15	Termitidae	Foraminitermitinae	-
16	Termitidae	Apicotermitinae	<i>Apicotermes</i> -group
17	Termitidae	Apicotermitinae	<i>Anoplotermes</i> -group
18	Termitidae	Termitinae	<i>Amitermes</i> -group
19	Termitidae	Termitinae	<i>Syntermes</i> -group
20	Termitidae	Termitinae	<i>Cylindrotermes</i> -group
21	Termitidae	Termitinae	<i>Protohamitermes</i> -group
22	Termitidae	Termitinae	<i>Cubitermes</i> -group
23	Termitidae	Termitinae	<i>Pericapritermes</i> -group
24	Termitidae	Termitinae	<i>Termes</i> -group
25	Termitidae	Nasutitermitinae	-

Index of microorganisms

PROKAROTES

Table 3. Index of prokaryotes. Taxa with an asterisk (*) have *Candidatus* status (characterised but uncultivable). One strain of the genus *Elusimicrobium**, *E. minutum* (**) has been cultured (Geissinger et al. 2009). Higher classifications based on the *Tree of Life* web project for Eubacteria (<http://tolweb.org/Eubacteria>) and Archaea (<http://tolweb.org/Archaea/4>), but are not intended to be definitive. No taxonomic notes are given.

Taxon	Page nos.	Archaea (A) or Eubacteria (E)	Affiliation (Phylum)
Actinobacteria	422, 430	E	Actinobacteria
<i>Aeromonas caviae</i>	509	E	Gamma Proteobacteria
<i>Alcaligenes latus</i>	509	E	Beta Proteobacteria
<i>Armantifilum devescovinae</i> *	424, 427	E	Bacteroidetes
<i>Azobacteroides pseudo-trichonympha</i> *	426, 429, 446	E	Bacteroidetes
<i>Azobacteroides</i> *	428	E	Bacteroidetes
<i>Bacillus cereus</i>	388	E	Firmicutes
<i>Bacillus thuringiensis</i>	509	E	Firmicutes
Bacteroidales	424–429	E	Bacteroidetes
Bacteroidetes	418–419, 422, 430	E	Bacteroidetes
<i>Blattabacterium</i>	27–29, 31, 33, 39, 42, 46, 457	E	Bacteroidetes
<i>Blattabacterium cuenoti</i>	28, 31	E	Bacteroidetes
<i>Blattabacterium</i> sp.	457	E	Bacteroidetes
<i>Blattabacterium</i> spp.	32	E	Bacteroidetes
<i>Burkholderia</i>	394	E	Beta Proteobacteria
<i>Cellulomonas fimi</i>	56	E	Actinobacteria
<i>Citrobacter</i>	394	E	Gamma Proteobacteria
Clostridia	430	E	Firmicutes
<i>Clostridium</i>	53, 388–389	E	Firmicutes
<i>Clostridium cellulovorans</i>	61	E	Firmicutes
<i>Clostridium termitidis</i>	448	E	Firmicutes
<i>Desulfovibrio</i>	427, 451	E	Delta Proteobacteria
<i>Desulfovibrio trichonymphae</i>	427	E	Delta Proteobacteria
Elusimicrobia	426–427, 429, 461	E	Elusimicrobia (formerly candidate phylum TG1)

<i>Elusimicrobium minutum</i> **	419	E	Elusimicrobia
Elusimicrobium*	429	E	Elusimicrobia
Endomicrobium*	428	E	Elusimicrobia
Endomicrobium trichonymphae*	427, 429, 446, 461	E	Elusimicrobia
Fibrobacteres	419, 431, 444	E	Fibrobacteres
Firmicutes	418–419, 429–430	E	Firmicutes
<i>Helicobacter pylori</i>	454	E	Epsilon Proteobacteria
<i>Klebsiella</i>	202	E	Gamma Proteobacteria
<i>Lactococcus</i>	460	E	Firmicutes
Methanobacteriaciae	419, 430	A	Euryarchaeota
Methanobacteriales	450	A	Euryarchaeota
<i>Methanobrevibacter</i>	419–420, 423, 450, 455	A	Euryarchaeota
<i>Methanobrevibacter cuticularis</i>	455	A	Euryarchaeota
Methanomicrobiales	419, 450	A	Euryarchaeota
<i>Methanomicrococcus</i>	419	A	Euryarchaeota
Methanosarcinaceae	419, 430	A	Euryarchaeota
Methanosarcinales	450	A	Euryarchaeota
<i>Methanospirillum hungatei</i>	450	A	Euryarchaeota
<i>Pantoea</i>	202	E	Gamma Proteobacteria
Planctomycetes	419, 430	E	Gamma Proteobacteria
Proteobacteria	430	E	Proteobacteria
<i>Pseudomonas aeruginosa</i>	175	E	Gamma Proteobacteria
<i>Pseudonocardia</i>	202	E	Actinobacteria
<i>Rhizobacterium radiobacter</i>	509	E	Alpha Proteobacteria
<i>Serratia</i>	460	E	Gamma Proteobacteria
<i>Serratia marcescens</i>	509	E	Gamma Proteobacteria
Spirochaetes	418–419, 427, 430, 444	E	Spirochaetes
<i>Sporomusa acetivorans</i>	454–455	E	Firmicutes
Streptococcaceae	429	E	Firmicutes
<i>Streptomyces avermitilis</i>	510	E	Actinobacteria
Symbiothrix dinenymphae*	426	E	Bacteroidetes
Synergistetes	419	E	Synergistetes
<i>Tammella caduceiae</i> *	424, 427	E	Synergistetes
<i>Tammella</i> *	428	E	Synergistetes
Termite Group 1 (TG1)	418–419	E	Elusimicrobia (former- ly Termite Group 1)

Termite Group 2 (TG2)	418	E	Termite Group 2
Termite Group 3 (TG3)	418, 431, 444	E	Termite Group 3
<i>Thermobifida fusca</i>	56		Actinobacteria
<i>Treponema</i>	428, 451, 459	E	Spirochaetes
<i>Treponema primitia</i>	451	E	Spirochaetes

FUNGI

Table 4. Index of fungi. This is presented as a single table without subdivision, ordered alphabetically. Classifications follow the same scheme as Bignell and Jones (2009), based on the *Index Fungorum* (<http://www.indexfungorum.org/names/names.asp>), but are not intended to be definitive. No taxonomic notes are given.

Taxon	Page nos.	Division	Affiliation (Order)
Ascomycetes	430	(Division)	-
<i>Beauveria bassiana</i>	510	Ascomycota	Hypocreales
<i>Dictyostelium discoideum</i>	56	Dictyosteliomycota	Dictyosteliales
<i>Escovopsis</i>	202	Ascomycota	Hypocreales
<i>Metarhizium anisopliae</i>	175–176, 180–183, 510	Ascomycota	Hypocreales
<i>Termitomyces</i>	44, 194–195, 197, 199, 200–203, 205, 309, 352, 357, 364, 395, 429, 465, 507	Basidiomycota	Agaricales
<i>Termitomyces</i> sp.	465	Basidiomycota	Agaricales
<i>Trichoderma reesei</i>	61	Ascomycota	Hypocreales
<i>Xylaria</i>	201–202	Ascomycota	Xylariales

PROTISTS

Table 5. Index of protists. This is presented in a single table without subdivision, ordered alphabetically. No taxonomic notes are given. Classifications follow Brugerolle and Radek (2006), Ohkuma and Brune (2011), and *The Taxonomicon* (<http://taxonomicon.taxonomy.nl/Default.aspx>), but are not intended to be definitive.

Taxon	Page nos.	Class level HTG	Order or Family
<i>Barbulanympha</i> sp.	33	Parabasalia	Trichonymphida
<i>Barbulanympha ufalula</i>	33	Parabasalia	Trichonymphida
<i>Caduceia versatilis</i>	424, 427	Parabasalia	Cristamonadida
Calonymphidae	416	(current Family)	Calonymphidae

Cristamonadida	416	(current Order)	Cristamonadida
<i>Devescovina</i>	424, 427–428	Parabasalia	Cristamonadida
Devescovinidae	416	(current Family)	Devescovinidae
<i>Dinenympha</i>	417, 423, 426	Oxymonadida	Pyrsonymphidae
<i>Dinenympha parva</i>	423	Oxymonadida	Pyrsonymphidae
<i>Dinenympha porteri</i>	423	Oxymonadida	Pyrsonymphidae
<i>Eucomonympha</i>	33, 43	Parabasalia	Trichonymphida
<i>Eucomonympha</i> sp.	33	Parabasalia	Trichonymphida
<i>Euconympha</i>	32	Parabasalia	Trichonymphida
Excavata	414, 417	(Infrakingdom)	-
<i>Holomastigotoides mirabile</i>	443	Parabasalia	Spirotrichonymphida
<i>Hoplonympha</i>	424–425	Parabasalia	Trichonymphida
<i>Hoplonympha</i> sp.	33, 425	Parabasalia	Trichonymphida
Hoplonymphidae	425	(current Family)	Hoplonymphidae
Hypermastigida	415	(former Order)	-
Lophomonadina	416	(former Suborder)	-
<i>Microjoenia</i>	423	Parabasalia	Spirotrichonymphida
<i>Mixotricha paradoxa</i>	424	Parabasalia	Cristamonadida
Monocercomonadidae	416	(current Family)	Monocercomonadidae
Oxymonadida	416, 425	(current Subclass)	-
Oxymonadidae	417	(current Family)	Oxymonadidae
<i>Oxymonas</i>	424	Oxymonadida	Oxymonadidae
Parabasalia	414–415	(Superclass)	-
Preaxostyla	414	(Phylum containing Oxymonadida)	-
<i>Pseudotrichonympha</i>	43, 420, 426, 428, 461	Parabasalia	Trichonymphida
<i>Pseudotrichonympha grassei</i>	33, 426, 429, 446	Parabasalia	Trichonymphida
<i>Pseudotrichonympha</i> sp.	33	Parabasalia	Trichonymphida
<i>Pyrsonympha</i>	417, 424	Oxymonadida	Pyrsonymphidae
Pyrsonymphidae	417	(current Family)	Pyrsonymphidae
Spirotrichonymphida	415–416	(current Order)	Spirotrichonymphida
Spirotrichonymphina	416	(former Suborder)	-

Staurojoeninidae	425	(current Family)	Staurojoeninidae
Streblomastigidae	417	(current Family)	Streblomastigidae
<i>Streblomastix</i>	424–425	Oxymonadida	Streblomastigidae
<i>Teranympha</i>	32–33, 43	Parabasalia	Trichonymphida
<i>Teranympha mirabilis</i>	33	Parabasalia	Trichonymphida
<i>Trichomastix</i>	417	Anaeromonadea	Trimastigida
<i>Trichomitopsis termop- sidis</i>	442, 446, 450	Parabasalia	Trichomonadida
Trichomonadida	415–416	(current Order)	Trichomonadida
Trichomonadidae	416	(current Family)	Trichomonadidae
Trichomonadina	416	(former Subor- der)	-
<i>Trichomonas</i> spp.	446	Parabasalia	Trichomonadida
<i>Trichonympha</i>	32, 427, 428	Parabasalia	Trichonymphida
<i>Trichonympha agilis</i>	33, 427, 446	Parabasalia	Trichonymphida
<i>Trichonympha</i> cf. <i>collaris</i>	33	Parabasalia	Trichonymphida
<i>Trichonympha magna</i>	33	Parabasalia	Trichonymphida
<i>Trichonympha ocuta</i>	33	Parabasalia	Trichonymphida
<i>Trichonympha</i> sp.	33	Parabasalia	Trichonymphida
<i>Trichonympha</i> spp.	33, 446	Parabasalia	Trichonymphida
Trichonymphida	415–416, 420, 425	(current Order)	Trichonymphida
Trichonymphina	416	(former Subor- der)	-
<i>Trimastix pyriformis</i>	446	Anaerominadea	Trimastigida
<i>Urinympha</i>	33	Parabasalia	Trichonymphida
<i>Urinympha talea</i>	33	Parabasalia	Trichonymphida

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