

Appendix. Known Posongchong spore diversity

Ambitisporites avitus Hoffmeister 1959
Aneurospora conica (Lu & Ouyang 1976) Wellman *et al.* 2012
Aneurospora posongchongensis sp. nov.
Aneurospora sp. A
Aneurospora sp. B
Aneurospora xuchiachongensis Wellman *et al.* 2012
Apiculiretusispora plicata (Allen 1965) Strel 1967
Apiculiretusispora pygmaea McGregor 1973
Apiculiretusispora weenshanensis Wang 1994
Apiculiretusispora cf. *arabiensis* Al-Ghazi 2009
Archaeozonotriletes chulus (Cramer 1967) Richardson & Lister 1969
Biornatispora cf. *dubia* (McGregor 1973) Steemans 1989
cf. *Biornatispora dubia* (McGregor) Steemans 1989
Brochotriletes? *foveolatus* Naumova 1953
Calamospora cf. *microrugosa* (Ibrahim 1933) Schopf *et al.* 1944
Calamospora cf. *panucea* Richardson 1965
Camarozonotriletes parvus Owens 1971 (*sensu* Steemans 1989)
Camarozonotriletes sextantii McGregor & Camfield 1976
Camarozonotriletes? cf. *luii* Wellman *et al.* 2012
cf. *Camptozonotriletes macrospinosus* Steemans 1986
?Camptozonotriletes cf. *caperatus* McGregor 1973
Camarozonotriletes sp. A
Chelinospora sp. A.
Concentricosisporites agradabilis (Rodriguez 1978) Rodriguez 1983
Convolutispora sp. A
Convolutispora? sp. B
?Crissisporites guangxiensis Gao 1978
Cymbosporites echinatus Richardson & Lister 1969
?Cyclogranisporites sp.
Dibolisporites echinaceus (Eisenack 1944) Richardson 1965
Dibolisporites eifeliensis (Lanninger 1968) McGregor 1973
Dibolisporites wetteldorfensis (Lanninger 1968) McGregor 1973
Dibolisporites sp. A
Dibolisporites sp. B
Dictyotriletes emsiensis (Allen 1965) McGregor 1973
Dictyotriletes gorgoneus Cramer 1967
Dictyotriletes subgranifer McGregor 1973
Emphanisporites rotatus (McGregor 1961) McGregor 1973
Emphanisporites cf. *decoratus* Allen 1965
Emphanisporites cf. *neglectus* Vigran 1964
Gneudnaspora divellomedia (Chibrikova 1959) Balme 1988
Grandispora sp. A
Latosporites ovalis Breuer *et al.* 2007
Leiozonospora xichongensis Wellman *et al.* 2012
Raistrickia sp.

Appendix. Known Posongchong spore diversity (continued)

Retusotriletes rotundus Strel 1964 emend. Lele & Strel 1969

Retusotriletes triangulatus (Strel 1964) Strel 1967

Retusotriletes warringtonii Richardson & Lister 1969

Retusotrilete cf. *triangulatus* (Strel 1964) Strel 1967

Retusotriletes cf. *rotundus* Strel 1964 emend. Lele & Strel 1969

Retusotriletes sp.

Retusotriletes spp.

Tetraedraletes medinensis Strother & Traverse 1979 emend. Wellman & Richardson 1993

Verrucosporites polygonalis Lanninger 1968

Verrucosporites cf. *polygonalis* Lanninger 1968

Verrucosporites sp.
