

Genea key

1	Ascomata black or reddish-black or with polygonal warts, glabrous peridium	2
	Ascomata yellowish, tan, brownish or reddish, or hairy peridium	10
2	Ascomata with a single regular inner cavity, not lobed, lacking wall projections	3
	Wall projections into inner cavity forming large sterile whitish tramal plates (EU)	4
	Inner cavity arranged differently	5
3	Peridium composed of a single layer, hemisphaerical spores ornaments (ENA, EU)	<i>Genea anthracina</i>
	Peridium composed of two distinct layers, conical spore ornaments (ENA)	<i>Genea balsleyi</i>
4	Spores ornamented with small irregular warts	<i>Genea lobulata</i>
	Spores ornamented with hemispherical warts	<i>Genea sphaerica</i>
	Spores ornamented with flat warts	<i>Genea lespiaultii</i>
5	Spores measuring >32 µm (ornamentation included) (EU)	6
	Spores measuring <32 µm (ornamentation included)	7
6	Spores ornamented with anvil-shaped warts, ascomata folded	<i>Genea fragrans</i>
	Spores ornamented with anvil-shaped warts, ascomata globose	<i>Genea fageticola</i>
	Spore covered with low semiglobose papillae (WNA)	<i>Genea gardneri</i>
7	Paraphyses branched, hymenium interrupted, American (WNA)	8
	Paraphyses not branched, hymenium continuous, European (EU)	9
8	Spores with small irregular pointed warts <3 µm high	<i>Genea harknessii</i>
	Spores with rounded warts, hymenial layers sometimes fused	<i>Genea bihymeniata</i>
9	Spores with small irregular pointed warts <3 µm high, fruiting in spring-summer	<i>Genea verrucosa</i>
	Spores with small irregular pointed or rounded warts <3 µm high, fruiting in winter	<i>Genea subbaetica</i>
	Spores with long thin warts >3µm high, either fang-like or molar-like	<i>Genea dentata</i>
	Spores with truncated warts >2 µm wide	<i>Genea pseudoverrucosa</i>
	Spores with truncated warts <2 µm wide	<i>Genea pseudobalsleyi</i>
	Spores with medium conical warts 2–5 µm high	<i>Genea compressa</i>
	Spores with very large conical warts 5–8 µm high	<i>Genea vagans</i>
10	Ascomata covered with hairs, at least at the apical orifice	11
	Ascomata glabrous	12
11	Globose-depressed ascomata, large spores (>36 µm), obtuse roundish warts (NA, EU)	<i>Genea hispidula</i>
	Globose ascomata, small spores (<30 µm), conical warts (ENA)	<i>Genea brachythecha</i>
	Lobulated ascomata, small spores (<30 µm), truncated warts (NA, EU)	<i>Genea arenaria</i>
	Very lobulated ascomata, spores sometimes >30 µm, versiform warts (NA, EU)	<i>Genea thaxteri</i>
12	Spores measuring < 21 µm, lacking conspicuous ornamentation (WNA)	<i>Genea cazaresii</i>

Spores > 21 µm, with medium truncated warts, associated with <i>Pinus</i> spp. (EU)	<i>Genea pinicola</i>
Spores > 21 µm, with medium truncated warts, associated with <i>Quercus</i> spp. (EU)	<i>Genea brunneocarpa</i>
Spores > 21 µm, ornamented with large hemispherical warts (EU)	<i>Genea oxygala</i>
Spores > 21 µm, ornamented with small pointed warts (EU)	<i>Genea tuberculata</i>