

Tab S1a. Sampling sites accompanying data.

Site ID	Sample affiliation	Location	EUNIS habitat type	Latitude	Longitude	height asl	sampling date
1100Co2021	BMN	Stockach	T17, Fagus forest on non-acid soils	N 47.87°	E 8.89°	600	04.10.2021
1110	BMN	Wehingen	T17, Fagus forest on non-acid soils	N 48.04°	E 8.92°	847	10.07.2020
1180	BMN	Kirchheim unter Teck	T17, Fagus forest on non-acid soils	N 48.62°	E 9.42°	380	08.07.2020
1211Co2021	BMN	Stuttgart	T17, Fagus forest on non-acid soils	N 48.74°	E 9.18°	440	04.10.2021
1300	BMN	Künzelsau	T17, Fagus forest on non-acid soils	N 49.37°	E 9.82°	226	30.06.2020
1330	BMN	Tauberbischofsheim	T17, Fagus forest on non-acid soils	N 49.66°	E 9.71°	350	30.06.2020
1370Co2021	BMN	Murgschifferschaft	T32, Temperate mountain Abies forest	N 48.62°	E 8.32°	900	04.10.2021
1390Co2021	BMN	Hausach	T18, Fagus forest on acid soils	N 48.32°	E 8.14°	640	04.10.2021
1400Co2021	BMN	Donaueschingen	T32, Temperate mountain Abies forest	N 47.96°	E 8.29°	1010	05.10.2021
1411Co2021	BMN	Schönau	T32, Temperate mountain Abies forest	N 47.83°	E 7.85°	1230	05.10.2021
1440Co2021	BMN	Freiburg	T1E, Carpinus and Quercus mesic deciduous fo	N 47.99°	E 7.76°	220	05.10.2021
FVA20-052	FVA	Altensteig beech	T181, Medio-European acidophilous Fagus for	N 48.59°	E 8.65°	490	13.12.2020
FVA20-053	FVA	Altensteig spruce	T3N1, Native fir, spruce, larch, cedar plantatio	N 48.59°	E 8.63°	512	13.12.2020
FVA20-054	FVA	Conventwald Kirchzarten beech	T181, Medio-European acidophilous Fagus for	N 48.02°	E 7.96°	809	13.12.2020
FVA20-056 / 438	FVA	Conventwald Kirchzarten spruce	T3N1, Native fir, spruce, larch, cedar plantatio	N 48.02°	E 7.97°	822	15.07.2019
FVA20-057 / 439	FVA	Esslingen beech	T18, Fagus forest on acid soils	N 48.76°	E 9.42°	336	09.07.2019
442	FVA	Heidelberg spruce	T3N1, Native fir, spruce, larch, cedar plantatio	N 49.46°	E 8.76°	510	15.07.2019
FVA20-059 / 443	FVA	Esslingen spruce	T3N1, Native fir, spruce, larch, cedar plantatio	N 48.76°	E 9.43°	350	15.12.2020
445	FVA	Solling	T1, Deciduous broadleaved forest	N 51.53°	E 10.05°	421	09.07.2019
449	FVA	Heidelberg beech	T17, Fagus forest on non-acid soils	N 49.47°	E 8.74°	390	15.07.2019
FVA20-065	FVA	Ochsenhausen spruce	T3N1, Native fir, spruce, larch, cedar plantatio	N 48.02°	E 9.97°	650	17.12.2020
017	UBMA	Neuweiler lawn	X25, Domestic gardens of villages and urban p	N 48.69°	E 8.58°	725	28.12.2002
022	UBMA	Neuweiler puddle	C1.62, Mesotrophic temporary waters	N 48.68°	E 8.59°	720	01.09.2002
048	UBMA	Ludwigsburg field margin	U5, Miscellaneous inland habitats usually with	N 48.90°	E 9.23°	264	28.05.2012
253	UBMA	Ludwigsburg grove dead wood	T1, Deciduous broadleaved forest	N 48.89°	E 9.20°	335	30.06.2013
255	UBMA	Ludwigsburg grove soil	T1, Deciduous broadleaved forest	N 48.88°	E 9.20°	330	30.06.2013
331	UBMA	Karlsruhe	V315, Small-scale lawns	N 49.01°	E 8.40°	115	25.02.2014
333	UBMA	Mannheim	T18, Fagus forest on acid soils	N 49.54°	E 8.51°	105	25.02.2014
419	UBMA	Bad Urach	R362, Flood swards and related communities	N 48.51°	E 9.37°	425	14.04.2017
672	UBMA	Neuweiler garden	X25, Domestic gardens of villages and urban p	N 48.69°	E 8.58°	735	08.04.2012
673	UBMA	Neuweiler compost	J6.311, Solid organic waste	N 48.69°	E 8.58°	735	08.04.2012
674	UBMA	Ludwigsburg compost	J6.311, Solid organic waste	N 48.91°	E 9.17°	270	08.04.2012
675	UBMA	Ludwigsburg moss	U5, Miscellaneous inland habitats usually with	N 48.90°	E 9.22°	265	09.04.2012
770	UBMA	Neuweiler coniferous forest	T3N1, Native fir, spruce, larch, cedar plantatio	N 48.67°	E 8.60°	720	30.09.2012
771	UBMA	Würzbach	T3N1, Native fir, spruce, larch, cedar plantatio	N 48.72°	E 8.61°	713	03.10.2012
783	UBMA	Neuweiler mixed forest coppice	T433, Recently felled areas, formerly mixed br	N 48.69°	E 8.59°	724	30.12.2012
787	UBMA	Möglingen	V371, Weed communities of recently abandon	N 48.89°	E 9.12°	286	01.04.2013
793	UBMA	Waldburg	T421, Coppice	N 47.73°	E 9.71°	630	summer 2012
843	UBMA	Bad Ditzgenbach	S31, Lowland to montane temperate and subn	N 48.56°	E 9.73°	740	29.03.2013