

Overview of the settings used for the μ CT-scans generated for this study.

Species	Optical magnification	Voltage (in kV)	Power (in W)	Exposure time (in s)	Pixel size (in μ m)	notes
Mesothele						
<i>Liphistus yangae</i>	19.468:"20X"	40	8	10.0000	1.1956	fresh
Mygalomorphae						
<i>Atypus affinis</i>	3.9856: "4X"	40	8	1.0000	3.9856	fresh
<i>Nemesia fagai</i>	9.8264: "10X"	40	8	6.0000	2.3988	fresh
<i>Euagrus chioseus</i>	3.9856:"4X"	40	8	1.0000	5.6453	fresh
Araneomorphae						
<i>Hypochilus xomote</i>	9.82624:"10X"	40	8	1.5000	2.2278	fresh
Araneomorphae: Synspermiata: Dysderoidae						
<i>Segestria florentina</i>	3.9828: "4X"	40	8	1.0000	2.4652	1
<i>Dysdera crocata</i>	19.468:"20X"	40	8	10.0000	1.2237	fresh
Araneomrphae: Synspermiata: LT-Clade						
<i>Diguetia canities</i>	9.8264:"10X"	40	8	2.0000	2.1693	Fresh
<i>Plectreurys tristis</i>	9.8264:"10X"	40	8	5.0000	2.3286	fresh
<i>Pholcus phalangioides</i>	9.8264:"10X"	40	8	1.0000	1.8975	fresh
Araneomorphae: Austrochiloidae						
<i>Hickmania troglodytes</i>	3.9808: "4X"	40	8	0.5000	4.9495	1,2
<i>Kaiya terama</i>	9.856: "10X"	40	8	4.0000	1.8263	1,2
Araneomorphae: Palpimanoidae						
<i>Palpimanus gibbulus</i>	9.8264:"10X"	40	8	3.0000	2.2897	fresh
Araneomorphae: Araneoidae						
<i>Cryptachea gigantipes</i>	9.856: "10X"	40	8	2.0000	2.1627	1,2
<i>Leucauge dromedaria</i>	9.856: "10X"	40	8	1.5000	2.0754	1,2
<i>Arkys lancearius</i>	9.856: "10X"	40	8	1.0000	1.9690	1,2
<i>Australomimetes</i> sp.	9.856:"10X"	40	8	2.5000	1.5821	1,2
<i>Argiope keyserlingi</i>	3.9808:"4X"	40	8	0.7500	3.8098	1,2
<i>Linyphia triangularis</i>	3.9828: "4X"	40	8	1.5000	1.6305	1
Araneomorphae: Eresidae						
<i>Stegodyphus dumicola</i>	3.9828:"4X"	40	8	0.8000	2.2597	1
Araneomorphae: ODHU-Grade						
<i>Uloborus plumpies</i>	9.8264:"10X"	40	8	2.0000	2.1693	Fresh
<i>Philoponella variabilis</i>	3.9808:"4X"	40	8	0.8000	2.2597	1,2
<i>Uroctea durandi</i>	3.9856: "4X"	40	8	0.5000	3.3872	Fresh

<i>Oecobius navus</i>	19.44: "10X"	40	8	5.0000	1.0965	1,2
<i>Tamopsis</i> sp.	3.9808: "4X"	40	8	1.5000	2.6489	1,2
<i>Asianopsis subrufa</i>	9.856: "10X"	40	8	2.0000	2.1627	1,2
Araneomorphae: RTA-Clade						
<i>Isopeda villosa</i>	3.9808: "4X"	40	8	0.7500	4.8447	1,2
Araneomorphae: RTA-Clade: Marronoid Clade						
<i>Amaurobius fenestralis</i>	3.9828: "4X"	40	8	1.0000	2.1831	1
<i>Tegenaria ferruginea</i>	3.9828: "4X"	40	8	1.0000	2.0126	1
<i>Badumna insignis</i>	3.9808: "4X"	40	8	0.5000	4.0306	1,2
Araneomorphae: RTA-Clade: Oval Calamistrum Clade						
<i>Pisaura mirabilis</i>	9.8264: "10X"	40	8	2.0000	2.2365	Fresh
<i>Diaea dorsata</i>	19.468: "20X"	40	8	8.0000	1.1803	Fresh
Araneomorphae: RTA-Clade: Dionycha						
<i>Molycrion</i> sp.	9.8383: "10X"	40	8	1.5000	1.0329	1,2
Lamponidae spec.	9.856: "10X"	40	8	3.0000	2.1073	1,2
<i>Clubiona corticalis</i>	19.468: "20X"	40	8	7.0000	1.1803	Fresh
<i>Mitulidon tarantulinus</i>	9.856: "10X"	40	8	2.0000	2.1627	1,2
<i>Sandalodes superbus</i>	9.856: "10X"	40	8	4.0000	1.9176	1,2

¹ legacy μ CT dataset from Wolff et al., 2021; ² scan of dried ethanol specimen