

Table S1. Complete list of identified OTUs.

#OTU ID	Order	Family	Species	Identity	Confidence	Type
MemOTU_1	Chiroptera	Vespertilionidae	<i>Myotis emarginatus</i>	100	1a	Predator
MemOTU_2	Araneae	Araneidae	<i>Nuctenea umbratica</i>	100	1a	Prey
MemOTU_3	Diptera	Muscidae	<i>Stomoxys calcitrans</i>	100	1a	Prey
MemOTU_4	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	99	1b	Prey
MemOTU_5	Diptera	Muscidae	<i>Musca sp.</i>	100	3	Prey
MemOTU_6	NO MATCH					
MemOTU_8	Lepidoptera	Geometridae	<i>Hylaea fascilaria</i>	100	2	Prey
MemOTU_9	Araneae	Araneidae	<i>Araneus angulatus</i>	100	1a	Prey
MemOTU_10	NO MATCH					
MemOTU_11	NO MATCH					
MemOTU_12	Artiodactyla	Bovidae	<i>Bos taurus</i>	100	1a	Other
MemOTU_13	NO MATCH					
MemOTU_14	Lepidoptera	Noctuidae	<i>Panolis flammea</i>	100	2	Prey
MemOTU_15	NO MATCH					
MemOTU_16	NO MATCH					
MemOTU_17	Coleoptera	Elateridae	<i>Stenagostus rhombeus</i>	100	1a	Prey
MemOTU_18	Araneae	Araneidae	<i>Araneus diadematus</i>	100	1a	Prey
MemOTU_19	Ephemeroptera	Ephemeridae	<i>Ephemera danica</i>	100	1a	Prey
MemOTU_20	Ephemeroptera	Leptophlebiidae	<i>Habrophlebia eldae</i>	100	1a	Prey
MemOTU_21	Diptera	Fanniidae	<i>Fannia canicularis</i>	100	2	Prey
MemOTU_23	Parachela	Macrobiotidae	<i>Minibiotus furcatus</i>	98	1b	Other
MemOTU_24	Mesostigmata	Macrochelidae	<i>Macrocheles muscadomesticae</i>	100	1a	Prey
MemOTU_25	NO MATCH					
MemOTU_26	Diptera	Limoniidae	<i>Rhipidia maculata</i>	100	1a	Prey

MemOTU_27	Diptera	Calliphoridae	<i>Pollenia rudis</i>	100	1a	Prey
MemOTU_29	NO MATCH					
MemOTU_31	Chiroptera	Rhinolophidae	<i>Rhinolophus euryale</i>	100	1a	Other
MemOTU_32	NO MATCH					
MemOTU_33	_	_	<i>Magnoliopsida</i>	100	3	Other
MemOTU_34	NO MATCH					
MemOTU_35	NO MATCH					
MemOTU_36	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	99	1b	Prey
MemOTU_37	NO MATCH					
MemOTU_38	Odonata	Libellulidae	<i>Orthetrum cancellatum</i>	100	1a	Prey
MemOTU_39	NO MATCH					
MemOTU_40	NO MATCH					
MemOTU_41	Lepidoptera	Noctuidae	<i>Protodeltote pygarpa</i>	100	2	Prey
MemOTU_42	NO MATCH					
MemOTU_43	NO MATCH					
MemOTU_44	NO MATCH					
MemOTU_45	Araneae	Araneidae	<i>Araneus sturmi</i>	100	1a	Prey
MemOTU_46	NO MATCH					
MemOTU_47	Hemiptera	Gerridae	<i>Aquarius najas</i>	100	1a	Prey
MemOTU_48	Lepidoptera	Pyralidae	<i>Ephestia elutella</i>	100	1a	Prey
MemOTU_49	Primates	Hominidae	<i>Homo sapiens</i>	100	1a	Other
MemOTU_50	Araneae	Tetragnathidae	<i>Tetragnatha obtusa</i>	100	1a	Prey
MemOTU_51	Araneae	Theridiidae	<i>Theridion varians</i>	100	1a	Prey
MemOTU_52	Araneae	Agelenidae	<i>Tegenaria parietina</i>	100	1a	Prey
MemOTU_53	Primates	Hominidae	<i>Homo sapiens</i>	100	1a	Other
MemOTU_55	Primates	Hominidae	<i>Homo sapiens</i>	100	1a	Other

MemOTU_56	Psocodea	Psocidae	<i>Psococerastis gibbosa</i>	100	1a	Prey
MemOTU_58	Araneae	Araneidae	<i>Araneus triguttatus</i>	100	1a	Prey
MemOTU_59	Araneae	Araneidae	<i>Araneus triguttatus</i>	100	1a	Prey
MemOTU_60	Araneae	Anyphaenidae	<i>Anyphaena accentuata</i>	100	1a	Prey
MemOTU_61	NO MATCH					
MemOTU_62	Hemiptera	Aphididae	<i>Thelaxes suberi</i>	100	1a	Prey
MemOTU_63	NO MATCH					
MemOTU_64	Araneae	Tetragnathidae	<i>Tetragnatha montana</i>	100	1a	Prey
MemOTU_65	NO MATCH					
MemOTU_66	Araneae	Theridiidae	<i>Episinus maculipes</i>	100	1a	Prey
MemOTU_67	NO MATCH					
MemOTU_68	Diptera	Psychodidae	<i>Psychoda albipennis</i>	99.24	2	Prey
MemOTU_69	Diptera	Limoniidae	<i>Dicranomyia tristis</i>	100	1a	Prey
MemOTU_70	NO MATCH					
MemOTU_71	Diptera	Calliphoridae	<i>Calliphora vomitoria</i>	100	1a	Prey
MemOTU_72	Diptera	Scatophagidae	<i>Scathophaga stercoraria</i>	100	1a	Prey
MemOTU_73	NO MATCH					
MemOTU_74	Lepidoptera	Geometridae	<i>Alcis repandata</i>	99	1b	Prey
MemOTU_75	Araneae	Thomsidae	<i>Xysticus lanio</i>	100	1a	Prey
MemOTU_76	NO MATCH					
MemOTU_77	Araneae	Agelenidae	<i>Eratrigena atrica</i>	99	1b	Prey
MemOTU_78	NO MATCH					
MemOTU_79	NO MATCH					
MemOTU_80	Diptera	Syrphidae	<i>Eristalis tenax</i>	100	2	Prey
MemOTU_81	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	99.24	1b	Prey

MemOTU_82	Araneae	Clubionidae	<i>Clubiona compta</i>	100	1a	Prey
MemOTU_83	Diptera	Muscidae	<i>Musca autumnalis</i>	100	1a	Prey
MemOTU_84	Lepidoptera	Hepialidae	<i>Pharmacis fusconebulosa</i>	99.24	1b	Prey
MemOTU_85	NO MATCH					
MemOTU_86	Araneae	Araneidae	<i>Zilla diodia</i>	100	1a	Prey
MemOTU_87	Trichoptera	Limnephilidae	<i>Stenophylax mitis</i>	100	1a	Prey
MemOTU_88	NO MATCH					
MemOTU_89	Araneae	Agelenidae	<i>Tegenaria domestica</i>	100	1a	Prey
MemOTU_90	NO MATCH					
MemOTU_91	Artiodactyla	Bovidae	<i>Ovis aries</i>	100	1a	Other
MemOTU_92	Araneae	Araneidae	<i>Larinioides cornutus</i>	100	1a	Prey
MemOTU_93	NO MATCH					
MemOTU_94	Coleoptera	Cerambycidae	<i>Arhopalus ferus</i>	99	1b	Prey
MemOTU_95	Hymenoptera	Diprionidae	<i>Dipion similis</i>	100	1a	Prey
MemOTU_96	NO MATCH					
MemOTU_97	Diptera	Limoniidae	<i>Neolimonia dumetorum</i>	100	1a	Prey
MemOTU_98	Lepidoptera	Tineidae	<i>Perissomastix agenjoi</i>	100	1a	Prey
MemOTU_100	Diptera	Syrphidae	<i>Sphaerophoria sp.</i>	100	3	Prey
MemOTU_101	Lepidoptera	Geometridae	<i>Thera sp.</i>	100	3	Prey
MemOTU_102	Odonata	Libellulidae	<i>Sympetrum fonscolombii</i>	100	1a	Prey
MemOTU_103	Araneae	Araneidae	<i>Neoscona subfusca</i>	100	1a	Prey
MemOTU_104	Coleoptera	Elateridae	<i>Stenagostus rhombeus</i>	100	1a	Prey
MemOTU_105	NO MATCH					
MemOTU_106	Coleoptera	Tenebrionidae	<i>Lagria hirta</i>	98.47	1b	Prey
MemOTU_107	NO MATCH					

MemOTU_108	Chiroptera	Rhinolophidae	<i>Rhinolophus hipposideros</i>	100	1a	Other
MemOTU_109	Lepidoptera	Pyrilidae	<i>Pyralis farinalis</i>	100	1a	Prey
MemOTU_110	NO MATCH					
MemOTU_111	NO MATCH					
MemOTU_1117	NO MATCH					
MemOTU_112	NO MATCH					
MemOTU_113	NO MATCH					
MemOTU_114	Diptera	Muscidae	<i>Polietes sp.</i>	100	3	Prey
MemOTU_115	Lepidoptera	Noctuidae	<i>Xestia c-nigrum</i>	100	3	Prey
MemOTU_116	Araneae	Araneidae	<i>Zygiella sp.</i>	100	3	Prey
MemOTU_117	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	98.47	1b	Prey
MemOTU_118	NO MATCH					
MemOTU_1184	Diptera	Hybotidae	<i>Hybos sp.</i>	98	3	Prey
MemOTU_119	Araneae	Theridiidae	<i>Platnickina tincta</i>	100	1a	Prey
MemOTU_120	Diptera	Limoniidae	<i>Austrolimnophila ochracea</i>	100	1a	Prey
MemOTU_121	Diptera	Chironomidae	<i>Pseudosmittia albipennis</i>	100	1a	Prey
MemOTU_122	Araneae	Theridiidae	<i>Steatoda grossa</i>	100	1a	Prey
MemOTU_1224	Araneae	Araneidae	<i>Araneus diadematus</i>	99	1b	Prey
MemOTU_123	Chiroptera	Vespertilionidae	<i>Miniopterus schreibersii</i>	100	1a	Other
MemOTU_1239	NO MATCH					
MemOTU_124	_	_	<i>Bryophita</i>	100	3	Other
MemOTU_1248	NO MATCH					
MemOTU_1249	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	98	2	Prey
MemOTU_125	NO MATCH					
MemOTU_1254	Lepidoptera	Elaschistidae	<i>Agonopterix sp.</i>	100	3	Prey
MemOTU_1255	NO MATCH					

MemOTU_126	Lepidoptera	Geometridae	<i>Paradarisa consonaria</i>	100	1a	Prey
MemOTU_1264	NO MATCH					
MemOTU_127	Trombidiformes	Pionidae	<i>Forelia variegator</i>	99	1b	Prey
MemOTU_128	NO MATCH					
MemOTU_129	Mucorales	Mucoraceae	<i>Lichteimia ramosa</i>	100	1a	Other
MemOTU_130	Primates	Hominidae	<i>Homo sapiens</i>	100	1a	Other
MemOTU_131	Lepidoptera	Noctuidae	<i>Diarsia brunnea</i>	100	2	Prey
MemOTU_132	Coleoptera	Tenebrionidae	<i>Nalassus laevioctostriatus</i>	100	1a	Prey
MemOTU_133	Diptera	Muscidae	<i>Muscina stabulans</i>	100	1a	Prey
MemOTU_134	Lepidoptera	Autostichidae	<i>Stibaromacha ratella</i>	100	1a	Prey
MemOTU_135	Araneae	Araneidae	<i>Nuctenea umbratica</i>	100	1a	Prey
MemOTU_136	Araneae	Araneidae	<i>Nuctenea umbratica</i>	100	1a	Prey
MemOTU_137	Lepidoptera	Tortricidae	<i>Lozotaenia cupidinana</i>	100	1a	Prey
MemOTU_138	Plecoptera	Perlodidae	<i>Isoperla grammatica</i>	99.24	1b	Prey
MemOTU_1382	NO MATCH					
MemOTU_139	NO MATCH					
MemOTU_140	Batrachospermales	Batrachospermaceae	<i>Seathia exigua</i>	99	1b	Other
MemOTU_141	Araneae	Philodromidae	<i>Philodromus sp.</i>	100	3	Prey
MemOTU_142	Diptera	Calliphoridae	<i>Pollenia sp.</i>	100	3	Prey
MemOTU_143	NO MATCH					
MemOTU_144	Hemiptera	Rhyparochromidae	<i>Gastrodes grossipes</i>	100	1a	Prey
MemOTU_145	NO MATCH					
MemOTU_146	Diptera	Syrphidae	<i>Meliscaeva aurollis</i>	100	1a	Prey

MemOTU_147	Diptera	Calliphoridae	<i>Eurychaeta palpalis</i>	100	1a	Prey
MemOTU_148	Diptera	Chironomidae	<i>Orthoclaadiinae sp.</i>	100	3	Prey
MemOTU_149	Araneae	Tetragnathidae	<i>Tetragnatha nigrita</i>	100	1a	Prey
MemOTU_150	Chiroptera	Rhinolophidae	<i>Rhinolophus ferrumequinum</i>	100	1a	Other
MemOTU_152	Araneae	Philodromidae	<i>Philodromus collinus</i>	100	1a	Prey
MemOTU_153	NO MATCH					
MemOTU_154	Araneae	Araneidae	<i>Araniella curcubitina</i>	100	1a	Prey
MemOTU_155	Diptera	Anthomyiidae	<i>Hylemya sp.</i>	100	3	Prey
MemOTU_156	Lepidoptera	Blastobasidae	<i>Blastobasis phycidella</i>	100	1a	Prey
MemOTU_157	Lepidoptera	Pterophoridae	<i>Emmelina monodactyla</i>	100	1a	Prey
MemOTU_158	NO MATCH					
MemOTU_159	NO MATCH					
MemOTU_161	NO MATCH					
MemOTU_162	Diptera	Calliphoridae	<i>Calliphora vicina</i>	100	2	Prey
MemOTU_163	Araneae	Araneidae	<i>Singa nitidula</i>	100	1a	Prey
MemOTU_165	NO MATCH					
MemOTU_166	Diptera	Empididae	<i>Empis lutea</i>	99.24	1b	Prey
MemOTU_167	NO MATCH					
MemOTU_168	NO MATCH					
MemOTU_169	Neuroptera	Hemerobiidae	<i>Hemerobius sp.</i>	100	3	Prey
MemOTU_170	NO MATCH					
MemOTU_171	Chiroptera	Vespertilionidae	<i>Myotis emarginatus</i>	100	1a	Predator
MemOTU_172	Lepidoptera	Notodontidae	<i>Thaumetopoea pityocampa</i>	100	1a	Prey
MemOTU_173	Diptera	Muscidae	<i>Polietes dormitor</i>	100	1a	Prey
MemOTU_174	Lepidoptera	Tortricidae	<i>Piniphila bifasciana</i>	100	1a	Prey

MemOTU_176	Enterobacteriales	Enterobacteriaceae	<i>Enterobacter cloacae</i>	98	1b	Other
MemOTU_177	Araneae	Tetragnathidae	<i>Tetragnatha extensa</i>	100	1a	Prey
MemOTU_179	NO MATCH					
MemOTU_180	Lepidoptera	Psychidae	<i>Placodoma ragonoti</i>			Prey
MemOTU_181	Araneae	Theridiidae	<i>Parasteatoda tepidariorum</i>	100	1a	Prey
MemOTU_182	NO MATCH					
MemOTU_183	NO MATCH					
MemOTU_184	Diptera	Empididae	<i>Empis sp.</i>	100	3	Prey
MemOTU_186	NO MATCH					
MemOTU_188	Araneae	Araneidae	<i>Gibbaranea gibbosa</i>	100	1a	Prey
MemOTU_190	Lepidoptera	Autostichidae	<i>Oecogonia sp.</i>	100	3	Prey
MemOTU_191	Diptera	Muscidae	<i>Hydrotaea ignava</i>	100	2	Prey
MemOTU_193	Araneae	Theridiidae	<i>Theridion melanurum</i>	99.24	1b	Prey
MemOTU_194	Lepidoptera	Geometridae	<i>Gymnoscelis rufifasciata</i>	99.24	1b	Prey
MemOTU_197	Lepidoptera	Noctuidae	<i>Agrotis sp.</i>	100	3	Prey
MemOTU_198	Araneae	Gnaphosidae	<i>Scotophaeus blackwalii</i>	100	1a	Prey
MemOTU_199	Araneae	Theridiidae	<i>Enoplognatha sp.</i>	100	3	Prey
MemOTU_200	Lepidoptera	Erebidae	<i>Hypena proboscidalis</i>	100	1a	Prey
MemOTU_203	Primates	Hominidae	<i>Homo sapiens</i>	100	1a	Other
MemOTU_204	Penosporales	Penosporaceae	<i>Penospora sp.</i>	100	3	Other
MemOTU_206	Diptera	Syrphidae	<i>Eupeodes</i>	100	3	Prey
MemOTU_209	NO MATCH					
MemOTU_210	Diptera	Faniidae	<i>Fannia lustrator</i>	100	1a	Prey

MemOTU_212	Diptera	Chloropidae	<i>Thaumatomya sp.</i>	98.48	1b	Prey
MemOTU_213	NO MATCH					
MemOTU_214	NO MATCH					
MemOTU_215	Lepidoptera	Grometridae	<i>Mesoleuca albicillata</i>	100	1a	Prey
MemOTU_217	Araneae	Clubionidae	<i>Clubiona brevipes</i>	100	1a	Prey
MemOTU_218	NO MATCH					
MemOTU_219	NO MATCH					
MemOTU_222	NO MATCH					
MemOTU_224	NO MATCH					
MemOTU_226	NO MATCH					
MemOTU_227	NO MATCH					
MemOTU_228	Diptera	Hybotidae	<i>Hybos culiciformis</i>	98	1b	Prey
MemOTU_229	Lepidoptera	Plusiinae	<i>Autographa sp.</i>	100	3	Prey
MemOTU_230	Araneae	Araneidae	<i>Argiope lobata</i>	100	1a	Prey
MemOTU_231	Coleoptera	Elateridae	<i>Stenagostus rhombeus</i>	99	1b	Prey
MemOTU_232	Araneae	Salticidae	<i>Ballus chalybeius</i>	100	1a	Prey
MemOTU_237	Coleoptera	Ptinidae	<i>Ernobius mollis</i>	100	1a	Prey
MemOTU_239	NO MATCH					
MemOTU_242	Enterobacteriales	Enterobacteriaceae	<i>Hafnia alvei</i>	99	1b	Other
MemOTU_243	Neuroptera	Hemerobiidae	<i>Symphorobius pygmaeus</i>	98	1b	Prey
MemOTU_244	Chiroptera	Vespertilionidae	<i>Myotis emarginatus</i>	99	1b	Predator
MemOTU_247	Hymenoptera	Formicidae	<i>Camponotus cruentatus</i>	100	1a	Prey
MemOTU_248	Araneae	Eutichuridae	<i>Cheiracanthium elegans</i>	100	1a	Prey
MemOTU_249	Diptera	Syrphidae	<i>Xylota segnis</i>	100	1a	Prey
MemOTU_251	NO MATCH					

MemOTU_252	Lepidoptera	Plutellidae	<i>Plutella xylostella</i>	100	1a	Prey
MemOTU_255	Lepidoptera	Geometridae	<i>Xanthorhoe sp.</i>	100	3	Prey
MemOTU_257	Asparagales	Amaryllidaceae	<i>Allium cepa</i>	100	1a	Other
MemOTU_261	NO MATCH					
MemOTU_263	NO MATCH					
MemOTU_269	Lepidoptera	Nolidae	<i>Meganola togatulalis</i>	99	1b	Prey
MemOTU_272	Araneae	Araneidae	<i>Argiope bruennichi</i>	100	1a	Prey
MemOTU_273	NO MATCH					
MemOTU_275	Hymenoptera	Diprionidae	<i>Gilpina virens</i>	99	1b	Prey
MemOTU_277	NO MATCH					
MemOTU_279	NO MATCH					
MemOTU_280	NO MATCH					
MemOTU_283	NO MATCH					
MemOTU_285	Araneae	Araneidae	<i>Cyrtophora citricola</i>	100	1a	Prey
MemOTU_286	Araneae	Araneidae	<i>Cyrtophora citricola</i>	100	1a	Prey
MemOTU_307	Araneae	Araneidae	<i>Mangora acalypha</i>	99	1b	Prey
MemOTU_319	Diptera	Pediciidae	<i>Tricyphona immaculata</i>	99.24	1b	Prey
MemOTU_329	NO MATCH					
MemOTU_331	Lepidoptera	Crambidae	<i>Udea ferrugalis</i>	100	2	Prey
MemOTU_337	Lepidoptera	Gracillariidae	<i>Gracillaria syringella</i>	100	1a	Prey
MemOTU_339	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	99	1b	Prey
MemOTU_343	NO MATCH					
MemOTU_350	Lepidoptera	Tineidae	<i>Ateliotum petrinella</i>	100	1a	Prey
MemOTU_357	Diptera	Hybotidae	<i>Hybos sp.</i>	98	3	Prey
MemOTU_359	Araneae	Araneidae	<i>Larinioides sclopetarius</i>	100	1a	Prey
MemOTU_375	Coleoptera	Tenebrionidae	<i>Lagria hirta</i>	99	1b	Prey

MemOTU_385	NO MATCH					
MemOTU_397	Hymenoptera	Ichneumonidae	<i>Dusona angustata</i>	100	2	Prey
MemOTU_400	NO MATCH					
MemOTU_426	Trichoptera	Rhyacophilidae	<i>Rhyacophila sp.</i>	100	3	Prey
MemOTU_431	NO MATCH					
MemOTU_448	NO MATCH					
MemOTU_451	NO MATCH					
MemOTU_459	Penosporales	Penosporaceae	<i>Penospora sp.</i>	100	3	Other
MemOTU_469	Araneae	Philodromidae	<i>Philodromus praedatus</i>	100	1a	Prey
MemOTU_484	NO MATCH					
MemOTU_547	NO MATCH					
MemOTU_551	Araneae	Agelenidae	<i>Agelenatea redii</i>	100	1a	Prey
MemOTU_560	NO MATCH					
MemOTU_575	Chiroptera	Vespertilionidae	<i>Myotis emarginatus</i>	100	1a	Predator
MemOTU_580	NO MATCH					
MemOTU_584	Araneae	Uloboridae	<i>Hyptiotes flavidus</i>	100	1a	Prey
MemOTU_624	NO MATCH					
MemOTU_628	Araneae	Theridiidae	<i>Rhomphaea cf. Rostrata</i>	100	1a	Prey
MemOTU_641	Lepidoptera	Pyralidae	<i>Pyralis farinalis</i>	100	1a	Prey
MemOTU_648	Araneae	Anyphaenidae	<i>Anyphaena accentuata</i>	100	1a	Prey
MemOTU_657	NO MATCH					
MemOTU_659	NO MATCH					
MemOTU_690	NO MATCH					
MemOTU_715	Mucorales	Mucoraceae	<i>Rhizopus oryzae</i>	99.24	1b	Other
MemOTU_716	NO MATCH					
MemOTU_723	Lepidoptera	Tortricidae	<i>Cydia splendana</i>	99.24	1b	Prey

MemOTU_741	Coleoptera	Cerambycidae	<i>Arhopalus fesus</i>	98	1b	Prey
MemOTU_752	NO MATCH					
MemOTU_764	Araneae	Tetragnathidae	<i>Tetragnatha nigrita</i>	99.22	1b	Prey
MemOTU_785	Coleoptera	Cerambycidae	<i>Arhopalus fesus</i>	98	1b	Prey
MemOTU_808	NO MATCH					
MemOTU_818	NO MATCH					
MemOTU_853	NO MATCH					
MemOTU_863	NO MATCH					
MemOTU_871	Lepidoptera	Tineidae	<i>Nemapogon peslieri</i>	100	1a	Prey
MemOTU_897	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	100	3	Prey
MemOTU_908	NO MATCH					
MemOTU_916	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	100	2	Prey
MemOTU_952	NO MATCH					
MemOTU_958	Araneae	Theridiidae	<i>Rhomphaea nasica</i>	100	1a	Prey

Table S2. Complete list of taxa identified, with absolute frequency of occurrence in each colony and season.

OTU_ID	Order	Family	Species	E1, Sum mer 17	E2, Sum mer 6	N1, Sum mer 12	N2, Sum mer 29	N3, Sum mer 28	N2, Spri ng 7	N3, Spri ng 7
MemOTU_124	Bryophita	_	_	1	0	1	0	0	0	0
MemOTU_33	Magnoliopsida	_	_	0	0	0	0	6	0	1
MemOTU_551	Araneae	Agelenidae	<i>Agelenatea redii</i>	1	0	0	0	0	0	0
MemOTU_77	Araneae	Agelenidae	<i>Eratrigena atrica</i>	0	0	0	0	0	0	0
MemOTU_89	Araneae	Agelenidae	<i>Tegenaria domestica</i>	0	0	0	0	1	0	0
MemOTU_52	Araneae	Agelenidae	<i>Tegenaria parietina</i>	0	0	0	0	0	1	0
MemOTU_60_648	Araneae	Anyphaeni dae	<i>Anyphaena accentuata</i>	0	0	0	0	0	2	2
MemOTU_9	Araneae	Araneidae	<i>Araneus angulatus</i>	1	2	10	0	2	0	0
MemOTU_18_1224	Araneae	Araneidae	<i>Araneus diadematus</i>	13	0	4	0	9	1	1
MemOTU_45	Araneae	Araneidae	<i>Araneus sturmi</i>	0	0	1	0	2	0	2
MemOTU_58_59	Araneae	Araneidae	<i>Araneus triguttatus</i>	0	1	1	0	0	1	0
MemOTU_154	Araneae	Araneidae	<i>Araniella curcubitina</i>	0	0	0	0	0	0	1
MemOTU_272	Araneae	Araneidae	<i>Argiope bruennichi</i>	1	0	0	0	0	0	0
MemOTU_230	Araneae	Araneidae	<i>Argiope lobata</i>	2	0	0	0	0	0	0
MemOTU_285_286	Araneae	Araneidae	<i>Cyrtophora citricola</i>	2	0	0	0	0	0	0
MemOTU_188	Araneae	Araneidae	<i>Gibbaranea gibbosa</i>	0	0	0	0	0	0	1
MemOTU_92	Araneae	Araneidae	<i>Larinioides cornutus</i>	4	0	0	0	0	0	0
MemOTU_359	Araneae	Araneidae	<i>Larinioides sclopetarius</i>	0	0	0	0	1	0	0
MemOTU_307	Araneae	Araneidae	<i>Mangora acalypha</i>	1	0	0	0	0	0	0
MemOTU_103	Araneae	Araneidae	<i>Neoscona subfusca</i>	1	1	1	0	0	0	0
MemOTU_2_135_1 36	Araneae	Araneidae	<i>Nuctenea umbratica</i>	0	1	0	0	3	4	3

MemOTU_163	Araneae	Araneidae	<i>Singa nitidula</i>	0	0	0	0	0	1	0
MemOTU_86	Araneae	Araneidae	<i>Zilla diodia</i>	0	0	0	0	1	1	1
MemOTU_116	Araneae	Araneidae	<i>Zygiella sp.</i>	0	0	0	0	1	1	0
MemOTU_217	Araneae	Clubionidae	<i>Clubiona brevipes</i>	0	0	1	0	0	0	0
MemOTU_82	Araneae	Clubionidae	<i>Clubiona compta</i>	0	0	0	0	1	0	0
MemOTU_248	Araneae	Eutichuridae	<i>Cheiracanthium elegans</i>	0	0	0	0	1	0	0
MemOTU_198	Araneae	Gnaphosidae	<i>Scotophaeus blackwallii</i>	0	0	0	0	0	0	0
MemOTU_152	Araneae	Philodromidae	<i>Philodromus collinus</i>	0	0	0	0	0	1	0
MemOTU_469	Araneae	Philodromidae	<i>Philodromus praedatus</i>	0	0	0	0	0	0	0
MemOTU_141	Araneae	Philodromidae	<i>Philodromus sp.</i>	0	0	0	0	1	0	0
MemOTU_232	Araneae	Salticidae	<i>Ballus chalybeius</i>	0	0	0	0	0	0	1
MemOTU_148_764	Araneae	Tetragnathidae	<i>Tetragnatha nigrita</i>	0	0	0	0	3	1	0
MemOTU_177	Araneae	Tetragnathidae	<i>Tetragnatha extensa</i>	0	0	0	0	0	1	0
MemOTU_64	Araneae	Tetragnathidae	<i>Tetragnatha montana</i>	0	0	0	0	0	2	0
MemOTU_50	Araneae	Tetragnathidae	<i>Tetragnatha obtusa</i>	0	0	1	0	2	1	4
MemOTU_199	Araneae	Theridiidae	<i>Enoplognatha sp.</i>	0	0	0	0	1	0	0
MemOTU_66	Araneae	Theridiidae	<i>Episinus maculipes</i>	0	0	0	0	2	0	0
MemOTU_181	Araneae	Theridiidae	<i>Parasteatoda tepidariorum</i>	0	0	0	0	2	0	0
MemOTU_119	Araneae	Theridiidae	<i>Platnickina tinctoria</i>	0	0	0	0	1	0	1
MemOTU_628	Araneae	Theridiidae	<i>Rhomphaea cf. Rostrata</i>	0	0	0	0	1	0	0
MemOTU_958	Araneae	Theridiidae	<i>Rhomphaea nasica</i>	1	0	0	0	0	0	0
MemOTU_122	Araneae	Theridiidae	<i>Steatoda grossa</i>	0	0	0	0	1	0	0
MemOTU_193	Araneae	Theridiidae	<i>Theridion melanurum</i>	0	0	0	0	0	1	0

MemOTU_51	Araneae	Theridiidae	<i>Theridion varians</i>	0	0	0	0	4	0	0
MemOTU_75	Araneae	Thomsidae	<i>Xysticus lanio</i>	0	0	0	0	0	0	1
MemOTU_584	Araneae	Uloboridae	<i>Hyptiotes flavidus</i>	1	0	0	0	0	0	0
MemOTU_12	Artiodactyla	Bovidae	<i>Bos taurus</i>	1	0	1	0	10	2	3
MemOTU_91	Artiodactyla	Bovidae	<i>Ovis aries</i>	0	0	0	0	0	1	0
MemOTU_257	Asparagales	Amaryllidaceae	<i>Allium cepa</i>	0	0	0	0	0	1	0
MemOTU_140	Batrachospermales	Batrachospermaceae	<i>Seathia exigua</i>	0	0	0	0	0	0	0
MemOTU_31	Chiroptera	Rhinolophidae	<i>Rhinolophus euryale</i>	0	0	0	0	3	0	0
MemOTU_150	Chiroptera	Rhinolophidae	<i>Rhinolophus ferrumequinum</i>	2	0	0	0	0	0	0
MemOTU_108	Chiroptera	Rhinolophidae	<i>Rhinolophus hipposideros</i>	0	0	0	0	0	1	0
MemOTU_123	Chiroptera	Vespertilionidae	<i>Miniopterus schreibersii</i>	0	0	1	0	0	0	0
MemOTU_1_171_211_575	Chiroptera	Vespertilionidae	<i>Myotis emarginatus</i>	17	6	12	0	28	7	7
MemOTU_94_741_785	Coleoptera	Cerambycidae	<i>Arhopalus ferus</i>	0	0	0	0	1	0	0
MemOTU_4_36_81_117_339_897_916_1249	Coleoptera	Cerambycidae	<i>Arhopalus rusticus</i>	1	0	0	0	14	0	0
MemOTU_17_104_321	Coleoptera	Elateridae	<i>Stenagostus rhombeus</i>	0	0	1	0	2	0	0
MemOTU_237	Coleoptera	Ptinidae	<i>Ernobius mollis</i>	0	0	0	0	0	0	0
MemOTU_106_375	Coleoptera	Tenebrionidae	<i>Lagria hirta</i>	0	0	0	0	3	0	0
MemOTU_132	Coleoptera	Tenebrionidae	<i>Nalassus laeviotostratus</i>	0	0	0	0	0	0	1
MemOTU_155	Diptera	Anthomyiidae	<i>Hylemya sp.</i>	0	0	0	0	0	0	0
MemOTU_162	Diptera	Calliphoridae	<i>Calliphora vicina</i>	0	0	0	0	0	1	0
MemOTU_71	Diptera	Calliphoridae	<i>Calliphora vomitoria</i>	0	0	0	0	0	1	0

MemOTU_147	Diptera	Calliphoridae	<i>Eurychaeta palpalis</i>	0	0	0	0	1	0	1
MemOTU_27	Diptera	Calliphoridae	<i>Pollenia rudis</i>	0	0	0	0	3	0	1
MemOTU_142	Diptera	Calliphoridae	<i>Pollenia sp.</i>	0	0	0	0	1	0	0
MemOTU_148	Diptera	Chironomidae	<i>Orthocladia nae sp.</i>	0	0	0	0	1	0	0
MemOTU_121	Diptera	Chironomidae	<i>Pseudosmittia albipennis</i>	0	0	0	0	0	0	1
MemOTU_212	Diptera	Chloropidae	<i>Thaumatomya sp.</i>	0	0	0	0	1	0	0
MemOTU_166	Diptera	Empididae	<i>Empis lutea</i>	0	0	0	0	1	0	0
MemOTU_184	Diptera	Empididae	<i>Empis sp.</i>	0	0	0	0	1	0	0
MemOTU_21	Diptera	Faniidae	<i>Fannia canicularis</i>	0	0	0	0	6	0	0
MemOTU_210	Diptera	Faniidae	<i>Fannia lustrator</i>	0	0	0	0	0	1	0
MemOTU_228	Diptera	Hybotidae	<i>Hybos culiciformis</i>	0	0	0	0	1	0	0
MemOTU_357_1184	Diptera	Hybotidae	<i>Hybos sp.</i>	0	0	0	0	1	0	0
MemOTU_120	Diptera	Limoniidae	<i>Austrolimnophila ochracea</i>	0	0	0	0	0	0	1
MemOTU_69	Diptera	Limoniidae	<i>Dicranomyia tristis</i>	0	1	1	0	1	0	0
MemOTU_97	Diptera	Limoniidae	<i>Neolimonia dumetorum</i>	0	0	1	0	0	0	0
MemOTU_26	Diptera	Limoniidae	<i>Rhipidia maculata</i>	0	0	1	0	0	0	0
MemOTU_191	Diptera	Muscidae	<i>Hydrotaea ignava</i>	0	0	0	0	1	0	0
MemOTU_83	Diptera	Muscidae	<i>Musca autumnalis</i>	0	1	0	0	1	0	0
MemOTU_5	Diptera	Muscidae	<i>Musca sp.</i>	0	0	0	0	5	0	0
MemOTU_133	Diptera	Muscidae	<i>Muscina stabulans</i>	0	0	0	0	0	0	0
MemOTU_173	Diptera	Muscidae	<i>Polietes dormitor</i>	0	0	0	0	1	0	0
MemOTU_114	Diptera	Muscidae	<i>Polietes sp.</i>	0	0	0	0	0	0	0
MemOTU_3	Diptera	Muscidae	<i>Stomoxys calcitrans</i>	8	0	1	0	20	2	4
MemOTU_319	Diptera	Pediciidae	<i>Tricyphona immaculata</i>	0	0	0	0	0	1	0
MemOTU_68	Diptera	Psychodidae	<i>Psychoda albipennis</i>	0	0	0	0	0	0	0

MemOTU_72	Diptera	Scatophagi dae	<i>Scathophag a stercoraria</i>	0	0	0	0	0	0	0
MemOTU_80	Diptera	Syrphidae	<i>Eristalis tenax</i>	1	0	0	0	0	0	0
MemOTU_206	Diptera	Syrphidae	<i>Eupeodes</i>	0	0	0	0	0	0	1
MemOTU_146	Diptera	Syrphidae	<i>Meliscaeva aurollis</i>	0	0	0	0	0	0	1
MemOTU_100	Diptera	Syrphidae	<i>Sphaeroph oria sp.</i>	0	0	0	0	0	0	1
MemOTU_249	Diptera	Syrphidae	<i>Xylota segnis</i>	0	0	0	0	0	0	0
MemOTU_176	Enterobacteria les	Enterobact eriaceae	<i>Enterabact er cloacae</i>	1	1	0	0	0	0	0
MemOTU_242	Enterobacteria les	Enterobact eriaceae	<i>Hafnia alvei</i>	2	0	0	0	0	0	0
MemOTU_19	Ephemeropter a	Ephemerid ae	<i>Ephemera danica</i>	0	0	0	0	2	0	0
MemOTU_20	Ephemeropter a	Leptophleb iidae	<i>Habrophleb ia eldae</i>	0	0	0	0	3	0	0
MemOTU_62	Hemiptera	Aphididae	<i>Thelaxes suberi</i>	0	1	0	0	0	0	0
MemOTU_47	Hemiptera	Gerridae	<i>Aquarius najas</i>	1	2	3	0	1	0	0
MemOTU_144	Hemiptera	Rhyparochr omidae	<i>Gastrodes grossipes</i>	0	0	0	0	0	1	0
MemOTU_95	Hymenoptera	Diprionidae	<i>Dipion similis</i>	0	0	0	0	2	0	0
MemOTU_275	Hymenoptera	Diprionidae	<i>Gilpina virens</i>	0	0	0	0	1	0	0
MemOTU_247	Hymenoptera	Formicidae	<i>Camponotu s cruentatus</i>	0	1	0	0	0	0	0
MemOTU_397	Hymenoptera	Ichneumon idae	<i>Dusona angustata</i>	0	0	0	0	1	0	0
MemOTU_190	Lepidoptera	Autostichid ae	<i>Oecogonia sp.</i>	1	0	0	0	0	0	0
MemOTU_134	Lepidoptera	Autostichid ae	<i>Stibaromac ha ratella</i>	0	1	1	0	0	0	0
MemOTU_156	Lepidoptera	Blastobasid ae	<i>Blastobasis phycidella</i>	0	0	3	0	1	0	0
MemOTU_331	Lepidoptera	Crambidae	<i>Udea ferrugalis</i>	0	0	0	0	0	0	0
MemOTU_1254	Lepidoptera	Elaschistida e	<i>Agonopteri x sp.</i>	1	0	0	0	0	0	0
MemOTU_200	Lepidoptera	Erebidae	<i>Hypena proboscidal is</i>	0	0	0	0	1	0	0

MemOTU_74	Lepidoptera	Geometrid ae	<i>Alcis repandata</i>	0	0	1	0	0	0	1
MemOTU_194	Lepidoptera	Geometrid ae	<i>Gymnosceli s rufifasciata</i>	0	0	1	0	0	0	0
MemOTU_8	Lepidoptera	Geometrid ae	<i>Hylaea fascilaria</i>	0	0	0	0	1	1	4
MemOTU_215	Lepidoptera	Geometrid ae	<i>Mesoleuca albicillata</i>	0	0	0	0	1	0	0
MemOTU_126	Lepidoptera	Geometrid ae	<i>Paradarisa consonaria</i>	0	0	1	0	1	0	0
MemOTU_101	Lepidoptera	Geometrid ae	<i>Thera sp.</i>	0	0	0	0	0	0	1
MemOTU_255	Lepidoptera	Geometrid ae	<i>Xanthorhoe sp.</i>	0	0	0	0	0	1	0
MemOTU_337	Lepidoptera	Gracillariid ae	<i>Gracillaria syringella</i>	0	0	0	0	1	0	0
MemOTU_84	Lepidoptera	Hepialidae	<i>Pharmacis fusconebul osa</i>	2	1	2	0	1	0	0
MemOTU_197	Lepidoptera	Noctuidae	<i>Agrotis sp.</i>	0	0	1	0	0	0	0
MemOTU_131	Lepidoptera	Noctuidae	<i>Diarsia brunnea</i>	0	0	0	0	0	0	0
MemOTU_14	Lepidoptera	Noctuidae	<i>Panolis flammea</i>	0	0	0	0	0	0	5
MemOTU_41	Lepidoptera	Noctuidae	<i>Protodeltot e pygarpa</i>	1	0	0	0	2	0	0
MemOTU_115	Lepidoptera	Noctuidae	<i>Xestia c- nigrum</i>	0	0	0	0	0	1	0
MemOTU_269	Lepidoptera	Nolidae	<i>Meganola togatulalis</i>	0	0	1	0	0	0	0
MemOTU_172	Lepidoptera	Notodontid ae	<i>Thaumetop oea pityocampa</i>	3	0	0	0	0	0	0
MemOTU_229	Lepidoptera	Plusiinae	<i>Autograph a sp.</i>	0	0	0	0	0	0	0
MemOTU_252	Lepidoptera	Plutellidae	<i>Plutella xylostella</i>	0	1	1	0	0	0	0
MemOTU_180	Lepidoptera	Psychidae	<i>Placodoma ragonoti</i>	0	1	0	0	0	0	0
MemOTU_157	Lepidoptera	Pterophori dae	<i>Emmelina monodactyl a</i>	0	0	0	0	0	1	0
MemOTU_48	Lepidoptera	Pyralidae	<i>Ephestia elutella</i>	0	0	0	0	2	0	0
MemOTU_109_641	Lepidoptera	Pyralidae	<i>Pyralis farinalis</i>	0	0	0	0	1	0	1
MemOTU_350	Lepidoptera	Tineidae	<i>Ateliotum petrinella</i>	0	1	0	0	0	0	0

MemOTU_871	Lepidoptera	Tineidae	<i>Nemapogon peslieri</i>	0	1	0	0	0	0	0
MemOTU_98	Lepidoptera	Tineidae	<i>Perissomatix agenjoi</i>	0	2	0	0	0	0	0
MemOTU_723	Lepidoptera	Tortricidae	<i>Cydia splendana</i>	1	0	0	0	0	0	0
MemOTU_137	Lepidoptera	Tortricidae	<i>Lozotaenia cupidinana</i>	0	0	1	0	0	0	0
MemOTU_174	Lepidoptera	Tortricidae	<i>Piniphila bifasciana</i>	0	0	1	0	0	0	0
MemOTU_24	Mesostigmata	Macrochelidae	<i>Macrocheles muscadomesticae</i>	0	0	0	0	0	0	0
MemOTU_129	Mucorales	Mucoraceae	<i>Lichteimia ramosa</i>	0	0	0	0	1	0	0
MemOTU_715	Mucorales	Mucoraceae	<i>Rhizopus oryzae</i>	0	0	0	0	1	0	0
MemOTU_169	Neuroptera	Hemerobiidae	<i>Hemerobius sp.</i>	0	0	0	0	0	0	0
MemOTU_243	Neuroptera	Hemerobiidae	<i>Symphobius pygmaeus</i>	0	1	0	0	0	0	0
MemOTU_38	Odonata	Libellulidae	<i>Orthetrum cancellatum</i>	0	1	0	0	0	0	0
MemOTU_102	Odonata	Libellulidae	<i>Sympetrum fonscolombii</i>	0	2	0	0	0	0	0
MemOTU_23	Parachela	Macrobiotidae	<i>Minibiotus furcatus</i>	0	0	0	0	1	0	0
MemOTU_204_459	Penosporales	Penosporaceae	<i>Penospora sp.</i>	1	0	0	0	0	0	0
MemOTU_138	Plecoptera	Perlodidae	<i>Isoperla grammica</i>	0	0	1	0	0	0	0
MemOTU_49_53_55_130_203	Primates	Hominidae	<i>Homo sapiens</i>	8	3	5	0	3	1	0
MemOTU_56	Psocodea	Psocidae	<i>Psococeras tis gibbosa</i>	0	0	0	0	1	0	0
MemOTU_87	Trichoptera	Limnephilidae	<i>Stenophylax mitis</i>	0	0	0	0	0	0	1
MemOTU_426	Trichoptera	Rhyacophilidae	<i>Rhyacophila sp.</i>	0	0	0	0	1	0	0
MemOTU_127	Trombidiformes	Pionidae	<i>Forelia variegator</i>	0	0	0	0	1	0	0