

Tabelle 2: Die komplette Artenliste der Challenge „Aliens unter uns“ auf Observation.org

Table 2: The complete species list of the Alien Animal Species challenge at Observation.org.

Acariⁱ	<i>Hydroides elegans</i>	<i>Takecallis arundicolaens</i>
<i>Aceria kuko</i>	<i>Hypania invalida</i>	<i>Takecallis arundinariae</i>
<i>Aceria pyracanthi</i>	<i>Hypereteone heteropoda</i>	<i>Takecallis sasae</i>
<i>Hyalomma marginatum</i>	<i>Hypereteone lighti</i>	<i>Takecallis taiwana</i>
<i>Mucotergum nigrum</i>	<i>Laonome xeprovala</i>	<i>Therioaphis tenera</i>
<i>Petrobia harti</i>	<i>Lipobranchus jeffreysii</i>	<i>Tinocallis takachihoensis</i>
<i>Rhipicephalus sanguineus</i>	<i>Loimia ramzega</i>	<i>Uroleucon doronici</i>
Aleyrodoideaⁱⁱ	<i>Marenzelleria neglecta</i>	<i>Uroleucon erigeronense</i>
<i>Aleurotuba jelinekii</i>	<i>Marenzelleria viridis</i>	<i>Uroleucon solidaginis</i>
<i>Bemisia tabaci</i>	<i>Microphthalmus similis</i>	<i>Uroleucon telekiae</i>
<i>Massilieuropes chittendeni</i>	<i>Neodexiospira brasiliensis</i>	<i>Wahlgreniella nervata</i>
(<i>Dialeurodes chittendeni</i>)	<i>Pileolaria berkeleyana</i>	
<i>Parabemisia myricae</i>	<i>Pileolaria militaris</i>	„Apterygota“^{vi}
<i>Paraleyrodes minei</i>	<i>Polydora websteri</i>	<i>Allacma gallica</i>
<i>Pealius azaleae</i>	<i>Potamothrix bavaricus</i>	<i>Campylothorax schaefferi</i>
<i>Siphoninus phillyreae</i>	<i>Potamothrix hammoniensis</i>	<i>Coletinia maggi</i>
<i>Trialeurodes vaporariorum</i>	<i>Potamothrix moldaviensis</i>	<i>Cryptopygus pentatomus</i>
„Amphibia“ⁱⁱⁱ	<i>Proclymene muelleri</i>	<i>Ctenolepisma calva</i>
<i>Lithobates catesbeianus</i>	<i>Streblospio benedicti</i>	<i>Ctenolepisma lineata</i>
<i>Ommatotriton ophryticus</i>	<i>Tharyx killariensis</i>	<i>Ctenolepisma longicaudata</i>
<i>Pelophyx bergeri</i>	<i>Tomopteris helgolandica</i>	(<i>Ctenolepisma</i> <i>longicaudatum</i>)
<i>Pelophylax bedriagae</i>	<i>Tubificoides heterochaetus</i>	<i>Cyphoderus assimilis</i>
<i>Pelophylax kurtmuelleri</i>		<i>Desoria trispinata</i>
<i>Speleomantes italicus</i>	Aphidoidea^v	<i>Dicranocentrus silvestrii</i>
<i>Triturus carnifex</i>	<i>Aphanostigma piri</i>	<i>Entomobrya spectabilis</i>
Annelida^{iv}	<i>Aphis gerardiana</i>	<i>Lepidocyrtus pallidus</i>
<i>Alitta virens</i>	<i>Aphis oenotherae</i>	<i>Lepisma saccharinum</i>
<i>Alitta succinea</i>	<i>Aphis spiraecola</i>	<i>Nicoletia phytophila</i>
<i>Alkmaria romijni</i>	<i>Appendiseta robiniae</i>	<i>Orthonychiurus folsomi</i>
<i>Aphelochaeta marioni</i>	<i>Brachycaudus jacobi</i>	<i>Seira mexicana</i>
<i>Barbronia weberi</i>	<i>Cavariella konoii</i>	<i>Sminthurides bifidus</i>
<i>Boccardia proboscidea</i>	<i>Crypturaphis grassii</i>	<i>Sminthurinus trinotatus</i>
<i>Boccardiella ligerica</i>	<i>Diuraphis noxia</i>	<i>Sphyrotheca multifasciata</i>
<i>Branchiura sowerbyi</i>	<i>Dysaphis gallica</i>	<i>Thermobia aegyptiaca</i>
<i>Caspiobdella fadejewi</i>	<i>Dysaphis tulipae</i>	<i>Thermobia domestica</i>
<i>Enchytraeus capitatus</i>	<i>Illinoia azaleae</i>	
<i>Ficopomatus enigmaticus</i>	<i>Impatientinum asiaticum</i>	Araneae^{vii}
<i>Helobdella europaea</i>	<i>Macrosiphum albifrons</i>	<i>Cheiracanthium mildei</i>
<i>Hirudo verbana</i>	<i>Myzus varians</i>	<i>Cicurina japonica</i>
	<i>Neotoxoptera formosana</i>	<i>Coleosoma floridanum</i>
	<i>Schizaphis graminum</i>	

<i>Cryptachaea blattea</i>	<i>Aplidium nordmanni</i>	<i>Chrysolophus pictus</i>
<i>Eusparassus walckenaeri</i>	<i>Botrylloides diegensis</i>	<i>Columba livia var. domestica</i>
<i>Hasarius adansoni</i>	<i>Botrylloides violaceus</i>	<i>Corvus splendens</i>
<i>Heteroonops spinimanus</i>	<i>Botryllus schlosseri</i>	<i>Cygnus atratus</i>
<i>Heteropoda venatoria</i>	<i>Corella eumyota</i>	<i>Cygnus cygnus</i>
<i>Holocnemus pluchei</i>	<i>Didemnum vexillum</i>	<i>Meleagris gallopavo</i>
<i>Howaia mogera</i>	<i>Diplosoma listerianum</i>	<i>Myiopsitta monachus</i>
<i>Icius hamatus</i>	<i>Molgula manhattensis</i>	<i>Oxyura jamaicensis</i>
<i>Icius subinermis</i>	<i>Perophora japonica</i>	<i>Phasianus colchicus</i>
<i>Ischnothyreus velox</i>	<i>Styela clava</i>	<i>Phoenicopterus chilensis</i>
<i>Kryptonesticus eremita</i> (<i>Nesticus eremita</i>)	Auchenorrhyncha^{ix}	<i>Phoenicopterus roseus</i>
<i>Macaroeris nidicolens</i>	<i>Acanalonia conica</i>	<i>Phoenicopterus ruber</i>
<i>Macrothele calpeiana</i>	<i>Cicada orni</i>	<i>Psittacula eupatria</i>
<i>Mermessus denticulatus</i>	<i>Erasmoneura vulnerata</i>	<i>Psittacula krameri</i>
<i>Mermessus trilobatus</i>	<i>Graphocephala fennahi</i>	<i>Rhea americana</i>
<i>Nesticella mogera</i>	<i>Graptotis nigrofuscata</i>	<i>Streptopelia decaocto</i>
<i>Nesticodes rufipes</i>	<i>Hishimonus hamatus</i>	<i>Syrmaticus reevesii</i>
<i>Oecobius navus</i>	<i>Igutettix oculatus</i>	<i>Tadorna ferruginea</i>
<i>Olios argelasius</i>	<i>Japananus hyalinus</i>	<i>Threskiornis aethiopicus</i>
<i>Oonops domesticus</i>	<i>Jikradia olitoria</i>	„Blattodea“^{xi}
<i>Oonops pulcher</i>	<i>Liguropia juniperi</i>	<i>Blaberus craniifer</i>
<i>Ostearius melanopygus</i>	<i>Metcalfa pruinosa</i>	<i>Blaptica dubia</i>
<i>Pandava laminata</i>	<i>Orientus ishidae</i>	<i>Blatta orientalis</i>
<i>Parasteatoda tabulata</i>	<i>Osbornellus auronitens</i>	<i>Blattella germanica</i>
<i>Parasteatoda tepidariorum</i>	<i>Penestragania apicalis</i>	<i>Cariblatta lutea</i>
<i>Paratrachelas maculatus</i>	<i>Phlogotettix cyclops</i>	<i>Cariblatta spec.</i>
<i>Pseudanapis aloha</i>	<i>Placotettix taeniatifrons</i>	<i>Ectobius vittiventris</i>
<i>Pseudeuophrys lanigera</i>	<i>Platyleura kaempferi</i>	<i>Gromphadorhina portentosa</i>
<i>Psilochorus simoni</i>	<i>Scaphoideus titanus</i>	<i>Loboptera decipiens</i>
<i>Quamtana spec.</i>	<i>Stictocephala bisonia</i>	<i>Neostylopyga rhombifolia</i>
<i>Saitis barbipes</i>	<i>Synophropsis lauri</i>	<i>Panchlora viridis</i>
<i>Scytodes fusca</i>	Aves^x	<i>Periplaneta americana</i>
<i>Silhouettella loricatula</i>	<i>Acridotheres cristatellus</i>	<i>Periplaneta australasiae</i>
<i>Spermophora kerinci</i>	<i>Acridotheres tristis</i>	<i>Periplaneta brunnea</i>
<i>Steatoda grossa</i>	<i>Aix galericulata</i>	<i>Periplaneta fuliginosa</i>
<i>Steatoda triangulosa</i>	<i>Aix sponsa</i>	<i>Planuncus tingitanus</i>
<i>Textrix caudata</i>	<i>Alopochen aegyptiaca</i>	<i>Planuncus tingitanus s.l.</i>
<i>Thanatus vulgaris</i>	<i>Amazona oratrix</i>	<i>Pycnoscelus surinamensis</i>
<i>Theotima minutissima</i>	<i>Anser caerulescens</i>	<i>Rhyparobia maderae</i>
<i>Triaeris stenaspis</i>	<i>Anser cygnoides f. domestica</i>	<i>Supella longipalpa</i>
<i>Uloborus plumipes</i>	<i>Anser indicus</i>	Cnidaria/Ctenophora^{xii}
<i>Urozelotes rusticus</i>	<i>Branta canadensis</i>	<i>Blackfordia virginica</i>
<i>Zimiris doriai</i>	<i>Branta hutchinsii minima</i>	<i>Bougainvillia macloviana</i>
<i>Zoropsis spinimana</i>	<i>Branta leucopsis</i>	<i>Cereus pedunculatus</i>
Asidiacea^{viii}	<i>Callonetta leucophrys</i>	<i>Cordylophora caspia</i>
<i>Aplidium glabrum</i>	<i>Chrysolophus amherstiae</i>	<i>Craspedacusta sowerbii</i>

<i>Diadumene cincta</i>	<i>Acrotrichis volans</i>	<i>Cryptolestes capensis</i>
<i>Diadumene lineata</i>	<i>Adistemia watsoni</i>	<i>Cryptolestes pusilloides</i>
<i>Garveia franciscana</i>	<i>Agrilus planipennis</i>	<i>Cryptolestes pusillus</i>
<i>Gonionemus vertens</i>	<i>Alocentron curvirostre</i>	<i>Cryptophagus obsoletus</i>
<i>Haliclystus tenuis</i>	<i>Anoplophora chinensis</i>	<i>Cryptophilus integer</i>
<i>Mnemiopsis leidyi</i>	<i>Anoplophora glabripennis</i>	<i>Cryptophilus oblitteratus</i>
<i>Moerisia inkermanica</i>	<i>Anthonomus eugenii</i>	<i>Cryptopleurum subtile</i>
<i>Nemopsis bachei</i>	<i>Anthrenocerus australis</i>	<i>Curculio vicetinus</i>
<i>Pachycordyle michaeli</i>	<i>Anthrenus flavipes</i>	<i>Curelius japonicus</i>
Coccoidea^{xiii}	<i>Aromia bungii</i>	<i>Cyclorhipidion bodoanum</i>
<i>Acanthococcus transversus</i>	<i>Atheta pseudoelongatula</i>	<i>Cynaeus angustus</i>
<i>Aspidiotus hedericola</i>	<i>Attagenus fasciatus</i>	<i>Dactylosternum abdominale</i>
<i>Aspidiotus nerii</i>	<i>Attagenus smirnovi</i>	<i>Diabrotica virgifera</i>
<i>Atrococcus paludinus</i>	<i>Baeocera japonica</i>	<i>Dryocoetes himalayensis</i>
<i>Carulaspis juniperi</i>	<i>Bambara contorta</i>	<i>Ephistemus reitteri</i>
<i>Chionaspis pinifoliae</i>	<i>Bambara fusca</i>	<i>Epiphanis cornutus</i>
<i>Coccus hesperidum</i>	<i>Berginus tamarisci</i>	<i>Epuraea ocularis</i>
<i>Comstockaspis perniciosa</i> (<i>Diaspidiotus perniciosus</i>)	<i>Bohemellina flavipennis</i>	<i>Euconnus campestris</i>
<i>Diaspidiotus pyri</i>	<i>Bostrychoplites cornutus</i>	<i>Euophrylum confine</i>
<i>Epidiaspis leperi</i>	<i>Brachyderes lusitanicus</i>	<i>Ferreria marqueti</i>
<i>Eriococcus transversus</i>	<i>Bruchidius siliquastri</i>	<i>Glischrochilus quadrivittatus</i>
<i>Icerya purchasi</i>	<i>Bruchus emarginatus</i>	<i>Gnathotrichus materiarius</i>
<i>Kermes gibbosus</i>	<i>Bruchus ervi</i>	<i>Harmonia axyridis</i>
<i>Kuwanaspis pseudoleucaspis</i>	<i>Bruchus lentis</i>	<i>Harmonia axyridis f. aulica</i>
<i>Leucaspis pusilla</i>	<i>Callosobruchus chinensis</i>	<i>Harmonia axyridis f. axyridis</i>
<i>Parthenolecanium fletcheri</i>	<i>Callosobruchus maculatus</i>	<i>Harmonia axyridis f.</i> <i>conspicua</i>
<i>Parthenolecanium persicae</i>	<i>Carpelimus gusarovii</i>	<i>Harmonia axyridis f.</i> <i>equicolor</i>
<i>Phenacoccus solani</i>	<i>Carpelimus zealandicus</i>	<i>Harmonia axyridis f.</i> <i>intermedia</i>
<i>Planchonia arabis</i>	<i>Carpophilus bipustulatus</i>	<i>Harmonia axyridis f.</i> <i>spectabilis</i>
<i>Pseudaulacaspis pentagona</i>	<i>Carpophilus dimidiatus</i>	<i>Harmonia axyridis f. succinea</i>
<i>Pseudococcus viburni</i>	<i>Carpophilus ligneus</i>	<i>Hexarthrum capitulum</i>
<i>Pulvinaria floccifera</i>	<i>Carpophilus mutilatus</i>	<i>Lasioderma serricorne</i>
<i>Pulvinaria kuwacula</i>	<i>Carpophilus nepos</i>	<i>Leiopus femoratus</i>
<i>Pulvinaria regalis</i>	<i>Carpophilus obsoletus</i>	<i>Leptinotarsa decemlineata</i>
<i>Rhizaspidiotus canariensis</i>	<i>Carpophilus quadrisignatus</i>	<i>Litargus balteatus</i>
<i>Trionymus bambusae</i>	<i>Carpophilus truncatus</i>	<i>Luperomorpha xanthodera</i>
<i>Unaspis euonymi</i>	<i>Cartodere bifasciata</i>	<i>Lyctus brunneus</i>
Coleoptera^{xiv}	<i>Cartodere nodifer</i>	<i>Lyctus cavicollis</i>
<i>Acalolepta sejuncta</i>	<i>Cartodere norwegica</i>	<i>Lyctus planicollis</i>
<i>Acanthoscelides obtectus</i>	<i>Cercyon laminatus</i>	<i>Metaphthalmus serripennis</i>
<i>Acanthoscelides pallidipennis</i>	<i>Chlorophorus annularis</i>	<i>Migneauxia ledieri</i>
<i>Acritus komai</i>	<i>Chrysolina americana</i>	<i>Mimela junii</i>
<i>Acrotona pseudotenera</i>	<i>Cilea exilis</i>	<i>Mimosestes mimosae</i>
<i>Acrotrichis cognata</i>	<i>Clambus simsoni</i>	
<i>Acrotrichis henrici</i>	<i>Coenonica puncticollis</i>	
	<i>Conotrachelus nenuphar</i>	
	<i>Coproporus immigrans</i>	

<i>Neoclytus acuminatus</i>	<i>Urophorus humeralis</i>	<i>Hemigrapsus sanguineus</i>
<i>Oryzaephilus mercator</i>	<i>Xyleborinus attenuatus</i>	<i>Hemigrapsus takanoi</i>
<i>Oryzaephilus surinamensis</i>	<i>Xyleborus alni</i>	<i>Hemimysis anomala</i>
<i>Otiorhynchus aurifer</i>	<i>Xyleborus pfeillii</i>	<i>Homarus americanus</i>
<i>Otiorhynchus corruptor</i>	<i>Xylosandrus germanus</i>	<i>Idotea metallica</i>
<i>Otiorhynchus crataegi</i>	(<i>Xyleborus germanus</i>)	<i>Incisocalliope aestuarius</i>
<i>Otiorhynchus indefinitus</i>		<i>Jaera istri</i>
<i>Otiorhynchus meridionalis</i>		<i>Jaera sarsi</i>
<i>Otiorhynchus pseudonothus</i>		<i>Jassa marmorata</i>
<i>Otiorhynchus smreczynskii</i>		<i>Katamysis warpachowskyi</i>
<i>Oxytelus migrator</i>		<i>Limnomyasis benedeni</i>
<i>Pachyrhinus lethierryi</i>		<i>Melita nitida</i>
<i>Parabathyscia wollastoni</i>		<i>Monocorophium sextonae</i>
<i>Parandra brunnea</i>		<i>Monocorophium uenoi</i>
<i>Paraphloeostiba gayndahensis</i>		<i>Mytilicola intestinalis</i>
<i>Pentarthurum huttoni</i>		<i>Mytilicola orientalis</i>
<i>Phacophallus pallidipennis</i>		<i>Nippoleucon hinumensis</i>
<i>Philonthus rectangularis</i>		<i>Obesogammarus crassus</i>
<i>Philonthus spinipes</i>		<i>Obesogammarus obesus</i>
<i>Phloeosinus aubei</i>		<i>Oithona davisae</i>
<i>Phloeotribus caucasicus</i>		<i>Orchestia mediterranea</i>
<i>Phyllobius intrusus</i>		<i>Pacifastacus leniusculus</i>
<i>Pityophthorus juglandis</i>		<i>Pagurus longicarpus</i>
<i>Polydrusus inustus</i>		<i>Palaemon elegans</i>
<i>Popillia japonica</i>		<i>Palaemon macrodactylus</i>
<i>Pseudolathra manueli</i>		<i>Paramysis lacustris</i>
<i>Pseudopachymerina spinipes</i>		<i>Platorchestia platensis</i>
<i>Reesa vespulae</i>		<i>Pontastacus leptodactylus</i>
<i>Rhizophagus oblongicollis</i>		<i>Pontogammarus robustoides</i>
<i>Rhomphocallus bernhaueri</i>		<i>Porcellio dilatatus</i>
<i>Rhopalapion longirostre</i>		<i>Porcellio laevis</i>
<i>Saperda candida</i>		<i>Porcellionides pruinosus</i>
<i>Sitophilus granarius</i>		<i>Proasellus coxalis</i>
<i>Sitophilus linearis</i>		<i>Proasellus meridianus</i>
<i>Sitophilus oryzae</i>		<i>Procambarus acutus/</i>
<i>Sitophilus zeamais</i>		<i>zonangulus</i>
<i>Stegobium paniceum</i>		<i>Procambarus allenii</i>
<i>Stelidota geminata</i>		<i>Procambarus clarkii</i>
<i>Stenopelmus rufinasus</i>		<i>Procambarus virginialis</i>
<i>Stomodes gyrosicollis</i>		<i>Pseudodiaptomus marinus</i>
<i>Thylodrias contractus</i>		<i>Rhithropanopeus harrisii</i>
<i>Trichoferus campestris</i>		<i>Sinelobus vanhaarenii</i>
<i>Trixagus atticus</i>		<i>Synidotea laticauda</i>
<i>Trixagus gracilis</i>		<i>Trichoniscoidea sarsi</i>
<i>Trogoderma angustum</i>		
<i>Typhaea decipiens</i>	<i>Gammarus tigrinus</i>	Dermoptera^{xvi}
	<i>Gammarus varsoviensis</i>	<i>Euborellia annulipes</i>
	<i>Grandidierella japonica</i>	<i>Euborellia arcanum</i>

<i>Forficula smyrnensis</i>	<i>Cleomia guareschi</i>	<i>Heterotoma merioptera</i>
<i>Marava arachidis</i>	<i>Embia amadorae</i>	<i>Holcogaster fibulata</i>
<i>Paralabella curvicauda</i>	<i>Embia cynthiae</i>	<i>Isometopus mirificus</i>
Diptera^{xvii}	<i>Embia fuentei</i>	<i>Lamprodema maura</i>
<i>Aedes aegyptii</i>	<i>Embia girolamii</i>	<i>Leptoglossus occidentalis</i>
<i>Aedes albopictus</i>	<i>Embia nuragica</i>	<i>Mecidea lindbergi</i>
<i>Aedes atropalpus</i>	<i>Embia ramburi</i>	<i>Megalocoleus naso</i>
<i>Aedes japonicus</i>	<i>Embia savignyi</i>	<i>Megalonotus puncticollis</i>
<i>Aedes koreicus</i>	<i>Embia tyrrhenica</i>	<i>Microplax albofasciata</i>
<i>Anopheles daciae</i>	<i>Haploembia palaui</i>	<i>Microplax interrupta</i>
<i>Anopheles petragnani</i>	<i>Haploembia solieri</i>	<i>Nagusta goedelii</i>
<i>Callopistromyia annulipes</i>	<i>Oligotoma nigra</i>	<i>Naochila parvella</i>
<i>Ceratitis capitata</i>	<i>Oligotoma saundersii</i>	<i>Nezara viridula</i>
<i>Chrysoma albiceps</i>	Ephemeroptera/	<i>Nysius graminicola</i>
<i>Chymomyza amoena</i>	Plecoptera/Trichoptera^{xix}	<i>Nysius huttoni</i>
<i>Clogmia albipunctata</i>	<i>Hydroptila lotensis</i>	<i>Ochetostethus nanus</i>
<i>Contarinia quinquenotata</i>	<i>Leptocerus lusitanicus</i>	<i>Odontoplatys suturalis</i>
<i>Culseta longiareolata</i>	<i>Limnephilus italicus</i>	<i>Orsillus depressus</i>
<i>Cupressatia siskiyou</i>	<i>Taeniopteryx schoenemundi</i>	<i>Orthotylus caprai</i>
<i>Dasineura gleditchiae</i>	Heteroptera^{xx}	<i>Oxycarenus lavaterae</i>
<i>Desmometopa microps</i>	<i>Acetropis longirostris</i>	<i>Oxycarenus pallens</i>
<i>Drosophila suzukii</i>	<i>Amphiareus obscuriceps</i>	<i>Perillus bioculatus</i>
<i>Euxesta notata</i>	<i>Aradus mirus</i>	<i>Phytocoris parvulus</i>
<i>Gymnodia polystigma</i>	<i>Aradus ribauti</i>	<i>Plagiognathus delicatus</i>
<i>Hermetia illucens</i>	<i>Arocatus longiceps</i>	<i>Psallus aethiops</i>
<i>Hydrotaea aenescens</i>	<i>Belonochilus numenius</i>	<i>Psallus helenae</i>
<i>Lipoptena fortisetosa</i>	<i>Blepharidopterus chlorionis</i>	<i>Spilostethus pandurus</i>
<i>Liriomyza huidobrensis</i>	<i>Brachyplax tenuis</i>	<i>Stephanitis oberti</i>
<i>Obolodiplosis robiniae</i>	<i>Buchananiella continua</i>	<i>Stephanitis pyrioides</i>
<i>Pelomyia occidentalis</i>	<i>Camptopus lateralis</i>	<i>Stephanitis rhododendri</i>
<i>Penthetria heteroptera</i>	<i>Chroantha ornatula</i>	<i>Stephanitis takeyai</i>
<i>Phlebotomus mascittii</i>	<i>Closterotomus trivialis</i>	<i>Tropidosteptes pacificus</i>
<i>Prosopantrum flavifrons</i>	<i>Conostethus venustus</i>	<i>Tupiocoris rhododendri</i>
<i>Rhagoletis batava</i>	<i>Corythucha arcuata</i>	<i>Tuponia brevirostris</i>
<i>Psychoda alternata</i>	<i>Corythucha ciliata</i>	<i>Tuponia elegans</i>
<i>Rhagoletis cingulata</i>	<i>Deraeocoris flavilinea</i>	<i>Tuponia mixticolor</i>
<i>Rhagoletis completa</i>	<i>Dichrooscytus gustavi</i>	<i>Xylocoridea brevipennis</i>
<i>Rhagoletis zoqui</i>	<i>Dictyla nassata</i>	<i>Zelus renardii</i>
<i>Stomorhina lunata</i>	<i>Dicyphus bolivari</i>	Hymenoptera^{xxi}
<i>Strauzia longipennis</i>	<i>Dicyphus escalerae</i>	<i>Anagyrus novickyi</i>
<i>Telmatogeton japonicus</i>	<i>Dyroderes umbraculatus</i>	<i>Anagyrus securicornis</i>
<i>Tephritis praecox</i>	<i>Elasmotropis testacea</i>	<i>Aproceros leucopoda</i>
<i>Trichopoda pictipennis</i>	<i>Empicoris rubromaculatus</i>	<i>Crematogaster scutellaris</i>
<i>Triplasius pictus</i>	<i>Erthesina fullo</i>	<i>Dryocosmus kuriphilus</i>
<i>Vermileo vermileo</i>	<i>Eurydema ventralis</i>	<i>Encarsia citrina</i>
Embioptera^{xviii}	<i>Halyomorpha halys</i>	<i>Euura tibialis</i>
		<i>Hypoponera eduardi</i>

<i>Hypoponera punctatissima</i>	<i>Cryptotermes domesticus</i>	<i>Aphomia gularis</i>
<i>Hypoponera schauinslandi</i>	<i>Cryptotermes dudleyi</i>	<i>Apomyelois ceratoniae</i>
<i>Isodontia mexicana</i>	<i>Cryptotermes havilandi</i>	<i>Argyresthia thiarella</i>
<i>Lasius neglectus</i>	<i>Glyptotermes brevicornis</i>	<i>Argyresthia trifasciata</i>
<i>Linepithema humile</i>	<i>Heterotermes cardini</i>	<i>Cabera leptographa</i>
<i>Megachile sculpturalis</i>	<i>Heterotermes convexinotatus</i>	<i>Cacoecimorpha pronubana</i>
<i>Monomorium pharaonis</i>	<i>Heterotermes perfidus</i>	<i>Cacyreus marshalli</i>
<i>Monostegia nigra</i>	<i>Heterotermes philippinensis</i>	<i>Cadra caldella</i>
<i>Nematus tibialis</i>	<i>Heterotermes tenuis</i>	<i>Cadra cautella</i>
<i>Neodryinus typhlocybae</i>	<i>Hodotermes mossambicus</i>	<i>Cadra figulilella</i>
<i>Pheidole pallidula</i>	<i>Hospitalitermes ataramensis</i>	<i>Caloptilia azaleella</i>
<i>Polynema striaticorne</i>	<i>Hospitalitermes jepsoni</i>	<i>Cameraria ohridella</i>
<i>Rhadinoceraea reitteri</i>	<i>Incisitermes immigrans</i>	<i>Chiasmia aestimaria</i>
<i>Rophites hartmanni</i>	<i>Incisitermes minor</i>	<i>Chrysodeixis chalcites</i>
<i>Sceliphron caementarium</i>	<i>Incisitermes semilunaris</i>	<i>Clepsis peritana</i>
<i>Sceliphron curvatum</i>	<i>Kaloterme banksiae</i>	<i>Cnephacia longana</i>
<i>Solenopsis geminata</i>	<i>Kaloterme dispar</i>	<i>Cnephacia pumicana</i>
<i>Solenopsis invicta</i>	<i>Kaloterme flavidollis</i>	<i>Coleophora laricella</i>
<i>Solenopsis richteri</i>	<i>Kaloterme italicus</i>	<i>Coleotechnites piceaella</i>
<i>Tapinoma darioi</i>	<i>Macrotermes carbonarius</i>	<i>Coptodisca splendoriferella</i>
<i>Tapinoma magnum</i>	<i>Macrotermes gilvus</i>	<i>Coryca cephalonica</i>
<i>Tapinoma nigerrimum</i>	<i>Macrotermes natalensis</i>	<i>Cydalima perspectalis</i>
<i>Trioxys remaudierei</i>	<i>Mastotermes darwiniensis</i>	<i>Diplopseustis perieresalis</i>
<i>Trissolcus basalis</i>	<i>Microceroterme</i>	<i>Duponchelia fovealis</i>
<i>Trissolcus japonicus</i>	<i>novaecaledoniae</i>	<i>Eilema caniola</i>
<i>Vespa mandarinia</i>	<i>Nasutitermes corniger</i>	<i>Epehestia elutella</i>
<i>Vespa mandarinia japonica</i>	<i>Nasutitermes exitiosus</i>	<i>Epehestia kuehniella</i>
<i>Vespa orientalis</i>	<i>Nasutitermes nigriceps</i>	<i>Eratophyes amasiella</i>
<i>Vespa soror</i>	<i>Neoterme rouxi</i>	<i>Etiella zinckenella</i>
<i>Vespa velutina</i>	<i>Odontotermes badius</i>	<i>Euchromius ocellea</i>
<i>Vespa velutina nigrithorax</i>	<i>Porotermes adamsoni</i>	<i>Eupithecia carpophagata</i>
<i>Wasemannia auropunctata</i>	<i>Procryptotermes rapae</i>	<i>Evergestis aenealis</i>
<i>Xyela curva</i>	<i>Reticulitermes balkanensis</i>	<i>Godonela aestimaria</i>
<i>Xyela menelaus</i>	<i>Reticulitermes banyulensis</i>	<i>Grapholita molesta</i>
Isoptera^{xxii}	<i>Reticulitermes flavipes</i>	<i>Helicoverpa armigera</i>
<i>Amiatermes amicki</i>	<i>Reticulitermes grassei</i>	<i>Hyphantria cunea</i>
<i>Anacanthotermes ubachi</i>	<i>Reticulitermes lucifugus</i>	<i>Oedilepia polygraphella</i>
<i>Coptotermes acinaciformis</i>	<i>Reticulitermes santonensis</i>	<i>Oegonocnia novimundi</i>
<i>Coptotermes curvignathus</i>	<i>Rugitermes athertoni</i>	<i>Opogona sacchari</i>
<i>Coptotermes formosanus</i>	<i>Termes hispaniolae</i>	<i>Palpita vitrealis</i>
<i>Coptotermes frenchi</i>	<i>Termes pulsatorium</i>	<i>Papilio demodocus</i>
<i>Coptotermes gestroi</i>	<i>Zootermopsis angusticollis</i>	<i>Paralipsa gularis</i>
<i>Coptotermes sjostedti</i>	<i>Zootermopsis nevadensis</i>	<i>Parapoynx diminutalis</i>
<i>Cryptotermes brevis</i>	Lepidoptera^{xxiii}	<i>Parectopa robiniella</i>
<i>Cryptotermes canalensis</i>	<i>Anarsia lineatella</i>	<i>Paysandisia archon</i>
<i>Cryptotermes cylindroceps</i>	<i>Antheraea yamamai</i>	<i>Peribatodes perversaria</i>
<i>Cryptotermes cynocephalus</i>	<i>Aphomia cephalonica</i>	<i>Phthorimaea operculella</i>

<i>Phyllocnistis vitegenella</i>	<i>Idolomantis diabolica</i>	<i>Hygromia cinctella</i>
<i>Phyllonorycter issikii</i>	<i>Iris oratoria</i>	<i>Krynickillus melanocephalus</i>
<i>Phyllonorycter leucographella</i>	<i>Stagmomantis carolina</i>	<i>Leucomastus varnensis</i>
<i>Phyllonorycter platani</i>	<i>Tenodera sinensis</i>	<i>Limacus flavus</i>
<i>Pieris mannii</i>	Mollusca^{xxvi}	<i>Limacus maculatus</i>
<i>Plodia interpunctella</i>	<i>Alopia livida</i>	<i>Lissachatina fulica</i>
<i>Scopula imitaria</i>	<i>Ambigolimax valentianus</i>	<i>Lithoglyphus naticoides</i>
<i>Scythris buszkoi</i>	<i>Archachatina marginata</i>	<i>Lucilla scintilla</i>
<i>Sitotroga cerealella</i>	<i>Arion vulgaris</i>	<i>Lucilla singleyana</i>
<i>Spoladea recurvalis</i>	<i>Bielzia coerulans</i>	<i>Magallana angulata</i>
<i>Thaumatomitia leucotreta</i>	<i>Boettgerilla pallens</i>	<i>(Crassostrea angulata)</i>
<i>Thera cupressata</i>	<i>Campylaea illyrica</i>	<i>Magallana gigas (Crassostrea</i>
<i>Tinea pallescentella</i>	<i>Cernuella cisalpina</i>	<i>gigas)</i>
<i>Tuta absoluta</i>	<i>Cernuella neglecta</i>	<i>Medora almissana</i>
<i>Typhonia beatricis</i>	<i>Cernuella virgata</i>	<i>Melanoïdes tuberculatus</i>
<i>Vitula edmandsii</i>	<i>Charpentieria itala</i>	<i>Menetus dilatatus</i>
<i>Vitula serratilineella</i>	<i>Chilostoma cingulatum</i>	<i>Micropontica caucasica</i>
Mammalia^{xxiv}	<i>Cipangopaludina chinensis</i>	<i>Milax gagates</i>
<i>Bison bonasus</i>	<i>Corambe obscura</i>	<i>Milax nigricans</i>
<i>Callosciurus erythraeus</i>	<i>Corbicula fluminalis</i>	<i>Monacha cantiana</i>
<i>Canis aureus</i>	<i>Corbicula fluminea</i>	<i>Monacha cartusiana</i>
<i>Castor canadensis</i>	<i>Corbicula largillierti</i>	<i>Monacha claustralis</i>
<i>Cervus nippon</i>	<i>Cornu aspersum</i>	<i>Mulinia lateralis</i>
<i>Dama dama</i>	<i>Crassostrea virginica</i>	<i>Musculium transversum</i>
<i>Erinaceus roumanicus</i>	<i>Crepidula fornicate</i>	<i>Mya arenaria</i>
<i>Eutamias sibiricus</i>	<i>Deroceras ceconii</i>	<i>Mytilopsis leucophaeata</i>
<i>Genetta genetta</i>	<i>Deroceras invadens</i>	<i>Oxychilus draparnaudi</i>
<i>Muntiacus reevesi</i>	<i>Deroceras klemmi</i>	<i>Paralaoma servilis</i>
<i>Mustela eversmannii</i>	<i>Deroceras panormitanum</i>	<i>Petricolaria pholadiformis</i>
<i>Myocastor coypus</i>	<i>Deroceras sturanyi</i>	<i>Physella acuta</i>
<i>Nasua nasua</i>	<i>Dreissena bugensis</i>	<i>Planorbella duryi</i>
<i>Neovison vison</i>	<i>Dreissena polymorpha</i>	<i>Potamopyrgus antipodarum</i>
<i>Nyctereutes procyonoides</i>	<i>Drobacia banatica</i>	<i>Pseudosuccinea columella</i>
<i>Ondatra zibethicus</i>	<i>Emmericia patula</i>	<i>Rangia cuneata</i>
<i>Ovis gmelini musimon</i>	<i>Ensis leei (Ensis americanus,</i>	<i>Ruditapes philippinarum</i>
<i>Procyon lotor</i>	<i>E. directus)</i>	<i>Sadleriana fluminensis</i>
<i>Rattus norvegicus</i>	<i>Eobania vermiculata</i>	<i>Sinanodonta woodiana</i>
<i>Spermophilus citellus</i>	<i>Euglesa compressa</i>	<i>Tandonia budapestensis</i>
<i>Tamias sibiricus</i>	<i>Ferrissia californica</i>	<i>Teredo navalis</i>
<i>Tamias striatus</i>	<i>Gyraulus chinensis</i>	<i>Testacella haliotidea</i>
Mantodea^{xxv}	<i>Gyraulus parvus</i>	<i>Theba pisana</i>
<i>Ameles spallanzania</i>	<i>Haminoea solitaria</i>	<i>Unio mancus</i>
<i>Empusa pennata</i>	<i>Hawaiia minuscula</i>	<i>Viviparus ater</i>
<i>Hierodula tenuidentata</i>	<i>Helicella boleensis</i>	<i>Xeropicta derbentina</i>
<i>Hierodula spec.</i>	<i>Helicopsis lunulata</i>	<i>Xerotricha conspurcata</i>
<i>Hymenopus coronatus</i>	<i>Helisoma anceps</i>	<i>Zonitoides arboreus</i>
	<i>Helix lucorum</i>	Myriapoda^{xxvii}

<i>Anamastigona pulchella</i>	<i>Tramea basilaris</i>	<i>Meconema meridionale</i>
<i>Brachychaeteuma melanops</i>	<i>Tramea basilaris burmeisteri</i>	<i>Oecanthus dulcisonans</i>
<i>Brachiulus jawlowskii</i>	<i>Tramea binotata</i>	<i>Pezotettix giornae</i>
<i>Brachiulus lusitanus</i>	<i>Tramea calverti</i>	<i>Phaneroptera nana</i>
<i>Cryptops anomalans</i>	<i>Tramea carolina</i>	<i>Pholidoptera littoralis</i>
<i>Cryptops umbricus</i>	<i>Tramea cophysa</i>	<i>Pteronemobius lineolatus</i>
<i>Cylindroiulus parisiorum</i>	<i>Tramea darwini</i>	<i>Rhacocleis annulata</i>
<i>Cylindroiulus salicivorus</i>	<i>Tramea eurybia</i>	<i>Rhacocleis germanica</i>
<i>Cylindroiulus vulnerarius</i>	<i>Tramea insularis</i>	<i>Schistocerca gregaria</i>
<i>Geophilus osquidatum</i>	<i>Tramea lacerata</i>	<i>Tachycines asynamorus</i>
<i>Henia brevis</i>	<i>Tramea liberata</i>	<i>Tessellana veyseli</i>
<i>Hirudisoma pallidum</i>	<i>Tramea limbata</i>	<i>Troglophilus neglectus</i>
<i>Lamyctes africanus</i>	<i>Tramea loewii</i>	<i>Yersinella raymondii</i>
<i>Lamyctes emarginatus</i>	<i>Tramea minutula</i>	
<i>Leptoioulus kervillei</i>	<i>Tramea onusta</i>	Phasmatodea^{xxxii}
<i>Lithobius lapadensis</i>	<i>Tramea phaeoneura</i>	<i>Acanthoxyla geisovii</i>
<i>Melogona broeemannii</i>	<i>Tramea rosenbergi</i>	<i>Acanthoxyla inermis</i>
<i>Ophyiulus germanicus</i>	<i>Tramea rustica</i>	<i>Bacillus atticus</i>
<i>Oxidus gracilis</i>	<i>Tramea spec.</i>	<i>Bacillus rossius</i>
<i>Polydesmus coriaceus</i>	<i>Tramea stenoloba</i>	<i>Carausius morosus</i>
<i>Polydesmus susatensis</i>	<i>Tramea transmarina</i>	<i>Clitarchus hookeri</i>
<i>Schedyla peyerimhoffi</i>	<i>Tramea transmarina euryale</i>	<i>Clonopsis gallica</i>
<i>Scolopendra cingulata</i>	<i>Tramea transmarina</i>	<i>Peruphasma schultei</i>
<i>Stigmatogaster gracilis</i>	<i>propinqua</i>	<i>Ramulus artemis</i>
<i>Stosatea italica</i>	<i>Tramea transmarina yayeyamana</i>	<i>Sipyloidea chlorotica</i>
	<i>Tramea virginia</i>	<i>Sipyloidea sipylyus</i>
Neuropterida^{xxviii}		„Pisces“^{xxxiii}
<i>Megistopus flavicornis</i>		<i>Acipenser baerii</i>
<i>Palpares libelluloides</i>		<i>Ameiurus melas</i>
<i>Raphidia mediterranea</i>		<i>Ameiurus nebulosus</i>
Odonata^{xxix}		<i>Babka gymnotrachelus</i>
<i>Anax ephippiger</i>		<i>Carassius auratus</i>
<i>Anax guttatus</i>		<i>Carassius gibelio</i>
<i>Agriocnemis pygmaea</i>		<i>Carassius langsdorffii</i>
<i>Boyeria irene</i>		<i>Cobitis bilineata</i>
<i>Ceriagrion cerinorubellum</i>		<i>Coregonus maraenoides</i>
<i>Coengarion scitulum</i>		<i>Coregonus peled</i>
<i>Crocothemis servilia</i>		<i>Ctenopharyngodon idella</i>
<i>Ischnura ramburii</i>		<i>Gambusia affinis</i>
<i>Ischnura senegalensis</i>		<i>Gobiosoma bosc</i>
<i>Lestes macrostigma</i>		<i>Hypophthalmichthys molitrix</i>
<i>Orthetrum chrysostigma</i>		<i>Hypophthalmichthys nobilis</i>
<i>Orthetrum sabina</i>		<i>Knipowitschia caucasica</i>
<i>Pantala flavescens</i>		<i>Lepomis cyanellus</i>
<i>Pseudagrion microcephalum</i>		<i>Lepomis gibbosus</i>
<i>Tramea abdominalis</i>		<i>Micropterus salmoides</i>
<i>Tramea aquila</i>		<i>Misgurnus anguillicaudatus</i>

<i>Misgurnus bipartitus</i>	<i>Ectopsocus petersi</i>	<i>pseudogeographica kohni</i>
<i>Neogobius fluviatilis</i>	<i>Ectopsocus titschacki</i>	<i>Graptemys</i>
<i>Neogobius melanostomus</i>	<i>Embidopsocus frater</i>	<i>pseudogeographica</i>
<i>Oncorhynchus mykiss</i>	<i>Lachesilla pacifica</i>	<i>Hierophis viridiflavus</i>
<i>Paramisgurnus dabryanus</i>	<i>Lepinotus inquilinus</i>	<i>carbonarius</i>
<i>Percottus glenii</i>	<i>Lepinotus patruelis</i>	<i>Macrochelys temminckii</i>
<i>Pimephales promelas</i>	<i>Lepinotus reticulatus</i>	<i>Pantherophis guttatus</i>
<i>Poecilia reticulata</i>	<i>Liposcelis bostrychophila</i>	<i>Podarcis liolepis</i>
<i>Ponticola kessleri</i>	<i>Liposcelis brunnea</i>	<i>Podarcis siculus</i>
<i>Proterorhinus semilunaris</i>	<i>Liposcelis corrodens</i>	<i>Pseudemys concinna</i>
<i>Pseudorasbora parva</i>	<i>Liposcelis decolor</i>	<i>Pseudemys concinna</i>
<i>Salvelinus fontinalis</i>	<i>Liposcelis entomophila</i>	<i>concinna</i>
<i>Sander volgensis</i>	<i>Liposcelis pearmani</i>	<i>Pseudemys concinna</i>
<i>Tachysurus sinensis</i>	<i>Liposcelis pubescens</i>	<i>floridana</i>
<i>Umbra krameri</i>	<i>Peripsocus milleri</i>	<i>Pseudemys floridana</i>
<i>Umbra pygmaea</i>	<i>Peripsocus stagnivagus</i>	<i>Pseudemys nelsoni</i>
Platyhelminthes^{xxxxiv}	<i>Psoquilla marginepunctata</i>	<i>Pseudemys peninsularis</i>
<i>Arthurdendyus triangulatus</i>	<i>Psyllipsocus ramburii</i>	<i>Tarentola mauritanica</i>
<i>Australopiana sanguinea</i>	<i>Soa flaviterminata</i>	<i>Tarentola mauritanica juliae</i>
<i>alba</i>	<i>Trichopsocus clarus</i>	<i>Tarentola mauritanica mauritanica</i>
<i>Bipalium kewense</i>	<i>Trichopsocus dalii</i>	<i>Tarentola mauritanica pallida</i>
<i>Bipalium vagum</i>	<i>Trogium pulsatorium</i>	<i>Trachemys scripta</i>
<i>Caenopiana coerulea</i>	Psylloidea^{xxxxvii}	<i>Trachemys scripta elegans</i>
<i>Girardia tigrina (Dugesia</i>	<i>Acizzia acaciae baileyanae</i>	<i>Trachemys scripta scripta</i>
<i>tigrina)</i>	<i>Acizzia jamatonica</i>	<i>Trachemys scripta troostii</i>
<i>Kontikia ventrolineata</i>	<i>Agonoscena succincta</i>	Scorpiones^{xxxxix}
<i>Microplana terrestris</i>	<i>Cacopsylla fulguralis</i>	<i>Belisarius spec.</i>
<i>Obama nungara</i>	<i>Cacopsylla pulchella</i>	<i>Belisarius xambeui</i>
<i>Parakontikia ventrolineata</i>	<i>Calophya rhois</i>	<i>Buthus ibericus</i>
<i>Platydemus manokwari</i>	<i>Ctenarytaina eucalypti</i>	<i>Buthus montanus</i>
<i>Rhynchodemus sylvaticus</i>	<i>Ctenarytaina peregrina</i>	<i>Buthus occitanus</i>
Porifera^{xxxxv}	<i>Euphyllura olivina</i>	<i>Buthus spec.</i>
<i>Chalinula loosanoffi</i>	<i>Homotoma ficus</i>	<i>Calchas gruberi</i>
<i>Haliclona xena</i>	<i>Lauritrioza alacris (Trioza</i>	<i>Calchas spec.</i>
<i>Leucosolenia somesii</i>	<i>alacris)</i>	<i>Euscorpius alpha</i>
Psocoptera^{xxxxvi}	<i>Livilla variegata</i>	<i>Euscorpius apuanus</i>
<i>Badonnelia titei</i>	.Reptilia^{xxxxviii}	<i>Euscorpius aquilejensis</i>
<i>Cerobasis annulata</i>	<i>Chelydra serpentina</i>	<i>Euscorpius balearicus</i>
<i>Dorypteryx domestica</i>	<i>Chrysemys picta</i>	<i>Euscorpius beroni</i>
<i>Dorypteryx longipennis</i>	<i>Chrysemys picta belli</i>	<i>Euscorpius cantiota</i>
<i>Dorypteryx pallida</i>	<i>Chrysemys picta marginata</i>	<i>Euscorpius carpathicus</i>
<i>Echmepteryx</i>	<i>Chrysemys picta picta</i>	<i>Euscorpius concinnus</i>
<i>madagascariensis</i>	<i>Graptemys ouachitensis</i>	<i>Euscorpius corsicanus</i>
<i>Ectopsocopsis cryptomeriae</i>	<i>Graptemys</i>	
<i>Ectopsocus briggsi</i>	<i>pseudogeographica</i>	
<i>Ectopsocus meridionalis</i>		

<i>Euscorpius drenskii</i>	<i>Hadrurus arizonensis</i>	<i>Leucothrips nigripennis</i>
<i>Euscorpius etruriae</i>	<i>Hadrurus spec.</i>	<i>Liothrips vaneckeai</i>
<i>Euscorpius flavicaudis</i>	<i>Iurus dufourei</i>	<i>Microcephalothrips abdominalis</i>
<i>Euscorpius gamma</i>	<i>Iurus spec.</i>	<i>Organothrips indicus</i>
<i>Euscorpius garganicus</i>	<i>Mesobuthus cyprius</i>	<i>Parthenothrips dracaenae</i>
<i>Euscorpius germanus</i>	<i>Mesobuthus eupeus</i>	<i>Pteridothrips pteridicola</i>
<i>Euscorpius hadzii</i>	<i>Mesobuthus gibbosus</i>	<i>Scirtothrips aurantii</i>
<i>Euscorpius italicus</i>	<i>Mesobuthus spec.</i>	<i>Scirtothrips citri</i>
<i>Euscorpius koschewnikowi</i>	<i>Olivierus caucasicus</i>	<i>Scirtothrips dorsalis</i>
<i>Euscorpius lesbiacus</i>	<i>Scorpiones indet.</i>	<i>Scirtothrips longipennis</i>
<i>Euscorpius mesotrichus</i>	<i>Scorpiones spec.</i>	<i>Sophiothrips terminalis</i>
<i>Euscorpius mingrelicus</i>	Thysanoptera^{xI}	<i>Taeniothrips eucharii</i>
<i>Euscorpius naupliensis</i>	<i>Bagnalliella yuccae</i>	<i>Thrips hawaiiensis</i>
<i>Euscorpius oglasae</i>	<i>Chaetanaphothrips orchidi</i>	<i>Thrips palmi</i>
<i>Euscorpius oligotrichus</i>	<i>Dichromothrips corbetti</i>	<i>Thrips parvispinus</i>
<i>Euscorpius ossae</i>	<i>Echinothrips americanus</i>	<i>Thrips setosus</i>
<i>Euscorpius picenus</i>	<i>Frankliniella occidentalis</i>	<i>Thrips simplex</i>
<i>Euscorpius polytrichus</i>	<i>Frankliniella schultzei</i>	<i>Trichromothrips billeni</i>
<i>Euscorpius popovi</i>	<i>Franklinothrips vespiformis</i>	<i>(Dorcadothrips billeni)</i>
<i>Euscorpius scaber</i>	<i>Gynaikothrips uzeli</i>	<i>Tylothrips osborni</i>
<i>Euscorpius sicanus</i>	<i>Heliothrips haemorrhoidalis</i>	Xiphosura^{xII}
<i>Euscorpius spec.</i>	<i>Hercinothrips aethiopiae</i>	<i>Limulus polyphemus</i>
<i>Euscorpius tauricus</i>	<i>Hercinothrips bicinctus</i>	
<i>Euscorpius tergestinus</i>	<i>Hercinothrips dimidiatus</i>	
<i>Hadrurus anzaborrego</i>	<i>Hercinothrips femoralis</i>	

ⁱ Olaf ZIMMERMANN in cooperation with Klaus SCHRAMEYER

ⁱⁱ Olaf ZIMMERMANN in cooperation with Klaus SCHRAMEYER

ⁱⁱⁱ Martin SCHLÜPMANN, ROTE LISTE GREMIUM AMPHIBIEN UND REPTILIEN (2020b) & Jan Ole KRIEGS. Only Lithobates catesbeianus and a few taxa from the genus Pelophylax are established, and these can often only be identified genetically. Reproducing but not established populations are known for the three newt species mentioned. However, there is no current information on the occurrence of Ommatotriton ophryticus in Cologne. Paraneozoa sensu GEITER (1999) not included.

^{iv} Hirudinea: by Uwe JUEG; other Oligo- and Polychaeta: based on ZETTLER et al. 2018 and LACKSCHEWITZ et al. 2022, with one species supplemented from the Red List by RACHOR et al. 2013

^v Olaf ZIMMERMANN in cooperation with Thomas THIEME

^{vi} Ulrich BURKHARDT

^{vii} Hubert HÖFER, with additions from the Red List by BLICK et al. 2016

^{viii} based on ZETTLER et al. 2018

^{ix} Roland MÜHLETHALER

-
- ^x Jan Ole KRIEGS, with additions by Viktor HARTUNG and from the Red List (GRÜNEBERG et al. 2016); *Columba livia* forma domestica is considered a neozoon by GRÜNEBERG et al. 2016
- ^{xi} Alban PFEIFER
- ^{xii} Based on ZETTLER et al. 2018 and LACKSCHEWITZ et al. 2022; *Craspedacusta sowerbi* added by Martin SCHLÜPMANN
- ^{xiii} Olaf ZIMMERMANN in cooperation with Klaus SCHRAMEYER, with additions by Viktor HARTUNG based on SCHMUTTERER & HOFFMANN 2016
- ^{xiv} Hannes HOFFMANN, with additions by Olaf ZIMMERMANN and Jiří PROCHAZKA (Scolytinae)
- ^{xv} Kai SCHÜTTE and Michael L. ZETTLER, with additions from LACKSCHEWITZ et al. 2022, from the Red Lists by RACHOR et al. 2013, ZETTLER et al. 2018 and IAS-List of the EU by BRUNDU et al. 2022
- ^{xvi} Alban PFEIFFER; *Forficula smyrnensis* added by Viktor HARTUNG
- ^{xvii} Dieter DOCZKAL, Julian EBERHARDT, Karsten GRABOW
- ^{xviii} No alien species known from this group for Europe yet; the species present on observation.org were included in the challenge as a sort of positive control
- ^{xix} David TEMPELMAN. These species are not strictly speaking alien species but are included because they have recently expanded their distribution, possibly due to climate change (i.e. warmer climate), and therefore fit the scope of our challenge.
- ^{xx} Viktor HARTUNG
- ^{xxi} Hannes HOFFMANN; Stephan BLANK (Symphyta), with additions by Olaf ZIMMERMANN & Klaus SCHRAMEYER (Parasitica)
- ^{xxii} All termite species present on observation.org were included to test for possible introductions; with the addition of the invasive species from RASPLUS & ROQUE 2010 and EVANS et al. 2013
- ^{xxiii} Robert TRUSCH, with additions by Olaf ZIMMERMANN and from the Red Lists (NUSS 2011, REINHARDT & BOLZ 2011, RENNWALD et al. 2011, TRUSCH et al. 2011)
- ^{xxiv} Jan Ole KRIEGS, with additions by Kai SCHÜTTE, from the Red List by MEINIG et al. 2020 as well as from the EU IAS-List by BRUNDU et al. 2022. *Bison bonasus* is not a neozoon, but would be considered as novel by general public and its possible occurrence in the wild or semi-wild condition is worth recording, which is why it has been included in the challenge
- ^{xxv} Alban PFEIFER, with an addition from STANICZEK 2023
- ^{xxvi} Freshwater and terrestrial species: Bernhard HAUSDORF, marine and brackish species: based on ZETTLER et al. 2018 and LACKSCHEWITZ et al. 2022
- ^{xxvii} Jörg SPELDA
- ^{xxviii} Axel GRUPPE; *Rhaphidia mediterranea* from ASPÖCK et al. 2017; *Palpare libelluloides* had been introduced to Germany in the past according to ASPÖCK et al. 2001
- ^{xxix} Christopher MOLLMANN; MARTENS 2015; SEEHAUSEN 2019. Most of the species on the list are no true neozoa and are only known from occasional introductions with aquaria or in greenhouses. Still, we included them in the challenge to be able to monitor any potential emergence in the wild. An exuvium of an unknown *Tramea*

species had been found in Germany, so all species of this genus present on observation.org were included, to provide an ID if any specimens are registered again

xxx Based on the Red List by MUSTER et al. (2016), *Leiobunum* sp. A added by Martin SCHLÜPMANN

xxxii Axel HOCHKIRCH, with an addition by Alban PFEIFER

xxxiii Four species from RASPLUS & ROQUE 2010, in addition, three European species present on observation.org that are widespread or occur in countries neighbouring Germany, and *Peruphasma schultei* that is a common terrarium pet and has already been reported outdoors in the Netherlands (NOORDIJK & NIJSEN 2020). *Ramulus artemis* and *Sipyloidea chlorotica* added by Alban PFEIFER

xxxiv Jan Ole KRIEGS, with additions from LACKSCHEWITZ et al. 2022 and from the Red Lists by THIEL et al. 2013 and FREYHOF et al. 2023

xxxv Olaf ZIMMERMANN; *Girardia tigrina* (syn. *Dugesia tigrina*) added from ZETTLER et al. 2018

xxxvi Based on ZETTLER et al. 2018 and LACKSCHEWITZ et al. 2022

xxxvii Nico SCHNEIDER, with some additions by Dieter DOCZKAL

xxxviii Daniel BURCKHARDT & Olaf ZIMMERMANN

xxxix Martin SCHLÜPMANN, ROTE LISTE GREMIUM AMPHIBIEN UND REPTILIEN (2020a), Jan Ole KRIEGS, with additions by Kai SCHÜTTE, Martin HUSEMANN and Viktor HARTUNG as well as from the EU IAS-List (BRUNDU et al. 2022). None of the water turtle species has been able to establish themselves so far, but many released animals survive for a long time in the wild. The climatic conditions in Germany are not sufficient for most taxa. Evidence of reproduction has so far been a very rare exception for individual *Trachemys scripta*. Reproducing populations are known for *Hierophis viridiflavus carbonarius*. Paraneozoa sensu GEITIER (1999) not included. All subspecies of *Tarentola mauritanica* present on Observation.org are included in the list to address all possible identifications by the portal's AI, even though it is not certain if all subspecies have been sighted in Germany.

xxxx To monitor for possible introductions, the list includes all European species from FET 2010 along with all species of *Hadrurus* present on observation.org; *Hadrurus* is a genus widely distributed in North America, whose representatives had been intercepted in Europe in the past.

xli Manfred R. ULITZKA and Olaf ZIMMERMANN with additions from RABITSCH & NEHRING (2023) and the Red List by zur STRASSEN (2011)

xlii Based on LACKSCHEWITZ et al. 2022