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A simple, fast, and accurate algorithm to estimate large phylogenies by maximum likelihood

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2064	Improving the efficiency of SPR moves in phylogenetic tree search methods based on maximum likelihood. <b>2005</b> , 21, 4338-47	150
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2059	Computer Simulations of Enzyme Reaction Mechanisms: Simulation of Protein Spectra. <b>2005</b> , 245-259	1
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2055	Intra- and interspecific comparisons of bacterial diversity and community structure support coevolution of gut microbiota and termite host. <b>2005</b> , 71, 6590-9	240
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2050	Analysis of <i>Acorus calamus</i> chloroplast genome and its phylogenetic implications. <b>2005</b> , 22, 1813-22	115
2049	The extent of protist diversity: insights from molecular ecology of freshwater eukaryotes. <b>2005</b> , 272, 2073-81	152
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2047	RAxML-OMP: An Efficient Program for Phylogenetic Inference on SMPs. <b>2005</b> , 288-302	62

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2045	A specific feature of the angiosperm Rab escort protein (REP) and evolution of the REP/GDI superfamily. <b>2005</b> , 348, 1299-313		25
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2041	Site interdependence attributed to tertiary structure in amino acid sequence evolution. <b>2005</b> , 347, 207-17		77
2040	Combining data from genomes, Y2H and 3D structure indicates that BolA is a reductase interacting with a glutaredoxin. <b>2005</b> , 579, 591-6		64
2039	Organisation of the lamprey ( <i>Lampetra fluviatilis</i> ) embryonic brain: insights from LIM-homeodomain, Pax and hedgehog genes. <b>2005</b> , 288, 100-12		106
2038	Allopolyploid evolution in Geinae (Colurieae: Rosaceae) building reticulate species trees from bifurcating gene trees. <b>2005</b> , 5, 275-283		18
2037	Phylogenomics and the reconstruction of the tree of life. <b>2005</b> , 6, 361-75		859
2036	Markov Models in Molecular Evolution. <b>2005</b> , 3-24		6
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2030	Biological and Medical Data Analysis. <b>2005</b> ,		3
2029	The two tempos of nuclear pore complex evolution: highly adapting proteins in an ancient frozen structure. <b>2005</b> , 6, R85		74

2028	Evolution of selenium utilization traits. <b>2005</b> , 6, R66	80
2027	Nanoarchaea: representatives of a novel archaeal phylum or a fast-evolving euryarchaeal lineage related to Thermococcales?. <b>2005</b> , 6, R42	130
2026	Dynamic evolution of selenocysteine utilization in bacteria: a balance between selenoprotein loss and evolution of selenocysteine from redox active cysteine residues. <b>2006</b> , 7, R94	114
2025	PhyloFacts: an online structural phylogenomic encyclopedia for protein functional and structural classification. <b>2006</b> , 7, R83	47
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2023	Phylogenetic models of rate heterogeneity: a high performance computing perspective. <b>2006</b> ,	185
2022	The protistan origins of animals and fungi. <b>2006</b> , 23, 93-106	234
2021	Evolution of circular permutations in multidomain proteins. <b>2006</b> , 23, 734-43	58
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1985	Precursor structure of egg proteins in the coral <i>Galaxea fascicularis</i> . <b>2006</b> , 344, 173-80	21
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1973	Cloning and expression of MDR transporters from marine bivalves, and their potential use in biomonitoring. <b>2006</b> , 62 Suppl, S118-21	6
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1913	Geographic distribution of an extinct equid ( <i>Equus hydruntinus</i> : Mammalia, Equidae) revealed by morphological and genetical analyses of fossils. <b>2006</b> , 15, 2083-93	61
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1908	Brooding crustaceans in a highly fragmented habitat: the genetic structure of Mediterranean marine cave-dwelling mysid populations. <b>2006</b> , 15, 4123-40	39
1907	Amassing diversity in an ancient lake: evolution of a morphologically diverse parthenogenetic gastropod assemblage in Lake Malawi. <b>2007</b> , 16, 517-30	31
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1374	Phylogenetic study of <i>Gymnodinium dorsalisulcum</i> comb. nov. from tropical Australian coastal waters (Dinophyceae). <b>2007</b> , 55, 176-184	16
1373	Cospeciation in the triplex symbiosis of termite gut protists ( <i>Pseudotrichonympha</i> spp.), their hosts, and their bacterial endosymbionts. <b>2007</b> , 16, 1257-66	109
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1364	Mediterranean populations of the lesser white-toothed shrew ( <i>Crocidura suaveolens</i> group): an unexpected puzzle of Pleistocene survivors and prehistoric introductions. <b>2007</b> , 16, 3438-52	44
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1362	Patterns of colonization, evolution and gene flow in species of the genus <i>Patella</i> in the Macaronesian Islands. <b>2008</b> , 17, 519-32	50
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1357	Development of compost maturity and Actinobacteria populations during full-scale composting of organic household waste. <b>2007</b> , 103, 487-98	69
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1346	Genetic diversity of captive binturongs ( <i>Arctictis binturong</i> , Viverridae, Carnivora): implications for conservation. <b>2007</b> , 271, 386-395	20
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1334	The candidate phylum 'Termite Group 1' of bacteria: phylogenetic diversity, distribution, and endosymbiont members of various gut flagellated protists. <b>2007</b> , 60, 467-76	77
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1326	Taxonomic redescrptions of two ciliates, <i>Protogastrostyla pulchra</i> n. g., n. comb. and <i>Hemigastrostyla enigmatica</i> (ciliophora: spirotrichea, stichotrichia), with phylogenetic analyses based on 18S and 28S rRNA gene sequences. <b>2007</b> , 54, 468-78	64
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1287	Evolution of pigment synthesis pathways by gene and genome duplication in fish. <b>2007, 7, 74</b>	154
1286	Phylogenetic analysis of condensation domains in NRPS sheds light on their functional evolution. <b>2007, 7, 78</b>	236
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1203	MtDNA phylogeny provides evidence of generic polyphyleticism for East Asian bagrid catfishes. <b>2007</b> , 579, 147-159	15
1202	A revision of the systematics of panther worms ( <i>Hofstenia</i> spp., Acoela), with notes on color variation and genetic variation within the genus. <b>2007</b> , 592, 439-454	11
1201	Molecular Phylogenetic Relationships Among Crested-tailed Mice (Genus <i>Habromys</i> ). <b>2007</b> , 14, 37-55	14

1200	Spider monkey, Muriqui and Woolly monkey relationships revisited. <b>2007</b> , 48, 55-63	5
1199	Molecular study of arbuscular mycorrhizal fungi colonizing the sporophyte of the eusporangiate rattlesnake fern ( <i>Botrychium virginianum</i> , Ophioglossaceae). <b>2007</b> , 17, 597-605	39
1198	Structural characterization and molecular identification of arbuscular mycorrhiza morphotypes of <i>Alzatea verticillata</i> (Alzateaceae), a prominent tree in the tropical mountain rain forest of South Ecuador. <b>2007</b> , 17, 607-625	14
1197	Molecular phylogeny of the genus <i>Triticum</i> L. <b>2007</b> , 264, 195-216	49
1196	Coat protein gene diversity among <i>Chrysanthemum virus B</i> isolates from India. <b>2007</b> , 152, 405-13	21
1195	Demarcation of ilarviruses based on the phylogeny of RNA2-encoded RdRp and a generic ramped annealing RT-PCR. <b>2007</b> , 152, 1687-98	18
1194	Recent Korean isolates of duck hepatitis virus reveal the presence of a new geno- and serotype when compared to duck hepatitis virus type 1 type strains. <b>2007</b> , 152, 2059-72	100
1193	Complete genome sequences of Maize dwarf mosaic and Sugarcane mosaic virus isolates coinfecting maize in Spain. <b>2007</b> , 152, 2073-8	26
1192	Expression and localization of AtAGP18, a lysine-rich arabinogalactan-protein in <i>Arabidopsis</i> . <b>2007</b> , 226, 169-79	24
1191	FGF signaling in gastrulation and neural development in <i>Nematostella vectensis</i> , an anthozoan cnidarian. <b>2007</b> , 217, 137-48	80
1190	Ancient connection between NKL genes and the mesoderm? Insights from <i>Tlx</i> expression in a ctenophore. <b>2007</b> , 217, 253-61	18
1189	Characterization of twist and snail gene expression during mesoderm and nervous system development in the polychaete annelid <i>Capitella</i> sp. I. <b>2007</b> , 217, 435-47	33
1188	The olig family: phylogenetic analysis and early gene expression in <i>Xenopus tropicalis</i> . <b>2007</b> , 217, 485-97	12
1187	Utility of ITS1-5.8S-ITS2 sequences for species discrimination and phylogenetic inference of two closely related bucephalid digeneans (Digenea: Bucephalidae): <i>Dollfustrema vaneyi</i> and <i>Dollfustrema hefeiensis</i> . <b>2007</b> , 101, 791-800	13
1186	The radiation of <i>Thaparocleidus</i> (Monogeneoidea: Dactylogyridae: Ancylo-discoidinae): phylogenetic analyses and taxonomic implications inferred from ribosomal DNA sequences. <b>2008</b> , 102, 283-8	11
1185	Diversity of microbial eukaryotes in sediment at a deep-sea methane cold seep: surveys of ribosomal DNA libraries from raw sediment samples and two enrichment cultures. <b>2007</b> , 11, 563-76	133
1184	Inclusion of the Eastern Asia endemic genus <i>Sorolepidium</i> in <i>Polystichum</i> (Dryopteridaceae): Evidence from the chloroplast <i>rbcL</i> gene and morphological characteristics. <b>2007</b> , 52, 631-638	11
1183	Grid Services Base Library: A high-level, procedural application programming interface for writing Globus-based Grid services. <b>2007</b> , 23, 517-522	37

1182	Characterisation of recombinant <i>Hevea brasiliensis</i> allene oxide synthase: effects of cyclooxygenase inhibitors, lipoxygenase inhibitors and salicylates on enzyme activity. <b>2007</b> , 45, 129-38	21
1181	Resistance of an invasive gastropod to an indigenous trematode parasite in Lake Malawi. <b>2008</b> , 10, 41-49	25
1180	Assessing the conservation status of the land snail <i>Oreohelix peripherica wasatchensis</i> (Family Oreohelicidae). <b>2008</b> , 9, 907-916	8
1179	Mitochondrial DNA diversity of the Southwestern Atlantic humpback whale ( <i>Megaptera novaeangliae</i> ) breeding area off Brazil, and the potential connections to Antarctic feeding areas. <b>2008</b> , 9, 1253-1262	33
1178	Taxonomic and conservation status of a newly discovered giant landsnail from Mount Augustus, New Zealand. <b>2008</b> , 9, 1563-1575	9
1177	Nomenclature for membrane-bound light-harvesting complexes of cyanobacteria. <b>2008</b> , 95, 147-54	26
1176	Structural and phylogenetic relationship of ORF 31 from the <i>Anticarsia gemmatalis</i> MNPV to poly (ADP-ribose) polymerases (PARP). <b>2008</b> , 37, 177-84	2
1175	A Phylogeny and Timescale for Marsupial Evolution Based on Sequences for Five Nuclear Genes. <b>2008</b> , 15, 1-36	111
1174	<i>Fusarium mangiferae</i> associated with mango malformation in the Sultanate of Oman. <b>2008</b> , 121, 195-199	28
1173	Genetic variability of Plum pox virus isolates in the Czech Republic. <b>2008</b> , 121, 513-517	10
1172	Multiple invasions of Europe by East Asian cobitid loaches (Teleostei: Cobitidae). <b>2008</b> , 605, 17-28	18
1171	N-acetylmuramic acid 6-phosphate lyases (MurNAc etherases): role in cell wall metabolism, distribution, structure, and mechanism. <b>2008</b> , 65, 928-39	30
1170	Molecular characterization of the zoanthid genus <i>Isaurus</i> (Anthozoa: Hexacorallia) and associated zooxanthellae ( <i>Symbiodinium</i> spp.) from Japan. <b>2008</b> , 153, 351-363	26
1169	Phylogenetic analyses of potentially free-living <i>Symbiodinium</i> spp. isolated from coral reef sand in Okinawa, Japan. <b>2008</b> , 155, 105-112	54
1168	The lengthening of a giant protein: when, how, and why?. <b>2008</b> , 66, 1-10	27
1167	The FTO gene, implicated in human obesity, is found only in vertebrates and marine algae. <b>2008</b> , 66, 80-4	50
1166	Molecular evolution of arthropod color vision deduced from multiple opsin genes of jumping spiders. <b>2008</b> , 66, 130-7	48
1165	Contrasted microcolinearity and gene evolution within a homoeologous region of wheat and barley species. <b>2008</b> , 66, 138-50	13

1164	Phylogeny of dinoflagellate plastid genes recently transferred to the nucleus supports a common ancestry with red algal plastid genes. <b>2008</b> , 66, 175-84	10
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1160	Comparative analysis of mitochondrial genomes in Bombina (Anura; Bombinatoridae). <b>2008</b> , 67, 246-56	16
1159	Biochemical and functional evidence of p53 homology is inconsistent with molecular phylogenetics for distant sequences. <b>2008</b> , 67, 51-67	13
1158	Detecting site-specific biochemical constraints through substitution mapping. <b>2008</b> , 67, 257-65	11
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1156	Abundance and bioactivity of cultured sponge-associated bacteria from the Mediterranean sea. <b>2008</b> , 55, 94-106	102
1155	Bacterial diversity of the broadbalk 'classical' winter wheat experiment in relation to long-term fertilizer inputs. <b>2008</b> , 56, 525-37	54
1154	Genetic differentiation between Arctic and Antarctic monothalamous foraminiferans. <b>2008</b> , 31, 1205-1216	33
1153	Characterization of mouse Dactylaplasia mutations: a model for human ectrodactyly SHFM3. <b>2008</b> , 19, 272-8	17
1152	Re-evaluation of the systematics of the endemic corals of Brazil by molecular data. <b>2008</b> , 27, 423-432	57
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1150	Morphological and molecular characterization of a new genus and new species of parazoanthid (Anthozoa: Hexacorallia: Zoantharia) associated with Japanese Red Coral. <b>2008</b> , 27, 935-949	37
1149	Mitochondrial sequences of Seriatopora corals show little agreement with morphology and reveal the duplication of a tRNA gene near the control region. <b>2008</b> , 27, 789-794	32
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1136	The bean common mosaic virus lineage of potyviruses: where did it arise and when?. <b>2008</b> , 153, 2177-87	32
1135	Molecular identification of the ichthyosporean protist " <i>Pseudoperkinsus tapetis</i> " from the mytilid mussel <i>Adipicola pacifica</i> associated with submerged whale carcasses in Japan. <b>2008</b> , 10, 13-8	7
1134	Molecular diet analysis of phyllosoma larvae of the Japanese spiny lobster <i>Panulirus japonicus</i> (Decapoda: Crustacea). <b>2008</b> , 10, 49-55	38
1133	Spectral diversity of fluorescent proteins from the anthozoan <i>Corynactis californica</i> . <b>2008</b> , 10, 328-42	15
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1125	Developmental expression of homeobox genes in the ctenophore <i>Mnemiopsis leidyi</i> . <b>2008</b> , 218, 307-19	51
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1103	Paleogenomics in vertebrates, or the recovery of lost genomes from the mist of time. <b>2008</b> , 30, 122-34	34
1102	Pectin methylesterase and polygalacturonase in the developing grape skin. <b>2008</b> , 46, 638-646	74
1101	Disease progression and evolution of the HIV-1 env gene in 24 infected infants. <b>2008</b> , 8, 110-20	20
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1098	Variable epidemic histories of hepatitis C virus genotype 2 infection in West Africa and Cameroon. <b>2008</b> , 8, 676-81	25
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1096	Species polyphyly and mtDNA introgression among three <i>Serrasalmus</i> sister-species. <b>2008</b> , 46, 375-81	9
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1092	Molecular phylogeny and biogeography of the Neotropical cichlid fish tribe Cichlasomatini (Teleostei: Cichlidae: Cichlasomatinae). <b>2008</b> , 46, 659-72	32
1091	Combined analysis of fourteen nuclear genes refines the Ursidae phylogeny. <b>2008</b> , 47, 73-83	83
1090	Yet another example of paraphyly in Annelida: molecular evidence that Sabellidae contains Serpulidae. <b>2008</b> , 46, 1174-81	50
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1079	A timescale and phylogeny for "bandicoots" (Peramelemorphia: Marsupialia) based on sequences for five nuclear genes. <b>2008</b> , 47, 1-20	32
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1075	Phylogenetic and evolutionary analyses of St. Louis encephalitis virus genomes. <b>2008</b> , 47, 717-28	27

1074	Erratic rates of molecular evolution and incongruence of fossil and molecular divergence time estimates in Ostracoda (Crustacea). <b>2008</b> , 48, 157-67	36
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1070	Phylogenetic relationships of the Asian palm civets (Hemigalinae & Paradoxurinae, Viverridae, Carnivora). <b>2008</b> , 47, 883-92	23
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1068	New insights into the organization and evolution of vertebrate IRBP genes and utility of IRBP gene sequences for the phylogenetic study of the Acanthomorpha (Actinopterygii: Teleostei). <b>2008</b> , 48, 258-69	35
1067	Phylogenetic relationships of two <i>Salamandrella</i> species as revealed by mitochondrial DNA and allozyme variation (Amphibia: Caudata: Hynobiidae). <b>2008</b> , 48, 84-93	36
1066	Phylogeny of <i>Laniarius</i> : molecular data reveal <i>L. liberatus</i> synonymous with <i>L. erlangeri</i> and "plumage coloration" as unreliable morphological characters for defining species and species groups. <b>2008</b> , 48, 396-407	18
1065	Reticulate or tree-like chloroplast DNA evolution in <i>Sileneae</i> (Caryophyllaceae)? <b>2008</b> , 48, 313-25	49
1064	The phylogeny of termites (Dictyoptera: Isoptera) based on mitochondrial and nuclear markers: Implications for the evolution of the worker and pseudergate castes, and foraging behaviors. <b>2008</b> , 48, 615-27	136
1063	Genetic divergence and evolutionary relationships in six species of genera <i>Hoplobatrachus</i> and <i>Euphlyctis</i> (Amphibia: Anura) from Bangladesh and other Asian countries revealed by mitochondrial gene sequences. <b>2008</b> , 48, 515-27	28
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1060	Molecular phylogeny and biogeography of the bipolar <i>Euphrasia</i> (Orobanchaceae): recent radiations in an old genus. <b>2008</b> , 48, 444-60	42
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1053	Exploring phenotypic plasticity and biogeography in emerald moths: A phylogeny of the genus <i>Nemoria</i> (Lepidoptera: Geometridae). <b>2008</b> , 49, 477-87	18
1052	Pleistocene separation of mitochondrial lineages of <i>Mytilus</i> spp. mussels from Northern and Southern Hemispheres and strong genetic differentiation among southern populations. <b>2008</b> , 49, 84-91	86
1051	Molecular, morphological, and biogeographic resolution of cryptic taxa in the Greenside Darter <i>Etheostoma blennioides</i> complex. <b>2008</b> , 49, 69-83	15
1050	Phylogenetic relationships and biogeography of the Japanese clawed salamander, <i>Onychodactylus japonicus</i> (Amphibia: Caudata: Hynobiidae), and its congener inferred from the mitochondrial cytochrome b gene. <b>2008</b> , 49, 249-59	58
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1048	Phylogenetic relationships of Middle American cichlids (Cichlidae, Heroini) based on combined evidence from nuclear genes, mtDNA, and morphology. <b>2008</b> , 49, 941-57	48
1047	Redundant species, cryptic host-associated divergence, and secondary shift in <i>Sennertia</i> mites (Acari: Chaetodactylidae) associated with four large carpenter bees (Hymenoptera: Apidae: Xylocopa) in the Japanese island arc. <b>2008</b> , 49, 503-13	8
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1032	Evolutionary linkage between eukaryotic cytokinesis and chloroplast division by dynamin proteins. <b>2008</b> , 105, 15202-7	67
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1020	Structural recognition of DNA by poly(ADP-ribose)polymerase-like zinc finger families. <b>2008</b> , 275, 883-93	26
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- 283 Regioselectivity in inhibition of peptide deformylase from *Haemophilus influenzae* by 4- vs 5-azaindole hydroxamic acid derivatives: Biochemical, structural and antimicrobial studies. **2022**, 128, 106095 0

- 282 Adding one more to the list: A new species of *Eniochobothrium* (Cestoda: Lecanicephalidea) from the Oman cownose ray in South Africa. **2022**, 19, 138-147 ○
- 281 Characterization of complete mitochondrial genome and ribosomal operon for *Carassotrema koreanum* Park, 1938 (Digenea: Haploporidae) by means of next-generation sequencing data. **2022**, 96, ○
- 280 A Persistent Multispecies Stinkbug I flavivirus Found in the Egg Parasitoid, *Telenomus Podisi*. ○
- 279 Comparative genomics and evolutionary analysis of plant CNGCs. **2022**, 7, ○
- 278 Multiple regulatory mechanisms for pH homeostasis in the gastric pathogen, *Helicobacter pylori*. **2022**, ○
- 277 Sugar Beet Cyst Nematode (*Heterodera schachtii* Schmidt): Identification and Antagonists. **2022**, 751-776 ○
- 276 Integrative taxonomy suggests that South American freshwater nematodes *Echinocephalus* and their host stingrays co-originated in late Oligocene to early Miocene. **2022**, 96, ○
- 275 Phylogenetic analysis and diversity of peculiar new lecanicephalidean tapeworms (*Eniochobothriidae*) from cownose rays across the globe. **2022**, 36, 879 ○
- 274 First molecular assessment on *Cosmocerca* spp. from Brazilian anurans and description of a new species of *Cosmocerca* (Ascaridomorpha: Cosmocercoidea) from the white-spotted humming frog *Chiasmocleis albopunctata* (Boettger, 1885) (Anura: Microhylidae). **2022**, 96, ○
- 273 Molecular phylogeny of *Cosmetocleithrum* Kritsky, Thatcher & Boeger, 1986 (Monogenoidea: Dactylogyridae), gill parasites of Neotropical catfishes (Siluriformes). **2022**, 96, ○
- 272 Observation on *Hemicriconemoides brachyurus* (Loos, 1949) Chitwood & Birchfield, 1957 associated with grass in South Africa. **2022**, 59, 210-216 ○
- 271 RiboTaxa: combined approaches for rRNA genes taxonomic resolution down to the species level from metagenomics data revealing novelties. **2022**, 4, ○
- 270 Multiplicaci3n masiva de hongos micorr3zicos arbusculares aislados de suelos cultivados con cacao. **2022**, 34, 265-276 ○
- 269 The evo-MOTiF pipeline and database for studying protein motif evolution in a structural context. ○
- 268 Ferulic Acid Esterase Producing *Lactobacillus johnsonii* from Goat Feces as Corn Silage Inoculants. **2022**, 10, 1732 1
- 267 Unfolding the mitochondrial genome structure of green semilooper (*Chrysodeixis acuta* Walker): An emerging pest of onion (*Allium cepa* L.). **2022**, 17, e0273635 ○
- 266 A new freshwater species *Conticribra sinica* (Thalassiosirales, Bacillariophyta) from the lower reaches of the Yangtze River, China. ○
- 265 Taxonomy and phylogeny of <i>Exobasidium pentasporium</i> causing witches' broom of <i>Rhododendron</i> species. **2022**, ○

- 264 DNA barcoding to assess species identification in museum samples of Amphiliidae and natural samples of Cichlidae from Southern Mozambique. 0
- 263 Orthohantaviruses in Reservoir and Atypical Hosts in the Czech Republic: Spillover Infection and Indication of Virus-Specific Tissue Tropism. 0
- 262 Wolbachia genomics support a tripartite nutritional symbiosis in blood-sucking Triatomine bugs. 0
- 261 Revision of the *Diploderma fasciatum* (Mertens, 1926) Complex (Reptilia: Agamidae: Draconinae). **2022**, 110, 0
- 260 Genetic-morphological uncoupling and crypsis in *Ectinogonia* (Coleoptera: Buprestidae) suggest a complex evolutionary history in these polymorphic jewel beetles from Chile. 0
- 259 Next-Generation Sequencing of Ancient and Recent Fungarium Specimens. **2022**, 8, 932 1
- 258 Sequence polymorphisms in a *Theileria annulata* surface protein (TaSP) known to augment the immunity induced by live attenuated cell line vaccine. 0
- 257 RcgA and RcgR, Two Novel Proteins Involved in the Conjugative Transfer of Rhizobial Plasmids. 0
- 256 GNL3 is an evolutionarily conserved stem cell gene influencing cell proliferation, animal growth and regeneration in the hydrozoan *Hydractinia*. **2022**, 12, 0
- 255 Chloroplast Genome Analysis for Genetic Information and Authentication in Five *Barleria* Species. **2022**, 13, 1705 1
- 254 Investigating CRISPR spacer targets and their impact on genomic diversification of *Streptococcus mutans*. 13, 1
- 253 Comparative virome analysis of individual shedding routes of *Miniopterus fuliginosus* bats inhabiting the Wavul Galge Cave, Sri Lanka. 0
- 252 Molecular and morphological description of *Ceratomyxa scophthalmi* sp. nov. (Myxozoa) infecting *Scophthalmus maeoticus* and first report of *Myxidium finnmarkicum* in the Black Sea. **2022**, 151, 85-96 0
- 251 Epidemiological and Phylogeographic Study of Equid Herpesviruses in Tunisia. **2022**, 11, 1016 0
- 250 A revision of the *Inocybe grammata* group in North America including four new taxa. 0
- 249 The seminal plasma microbiome of men with testicular germ cell tumours described by small RNA sequencing. 1
- 248 Comparative mitogenomic analyses and gene rearrangements reject the alleged polyphyly of a bivalve genus. 10, e13953 1
- 247 Taxonomic revision of the free-living marine nematode genus *Deontostoma* (Enoplida: Leptosomatidae) and inclusion of a new species from the Southern Ocean. **2022**, 24, 1031-1047 0



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245	Phylogeography and colonization pattern of subendemic round-leaved oxeye daisy from the Dinarides to the Carpathians. <b>2022</b> , 12,	0
244	Impacts of Nitrogen and Sediment on Restored Wetland Plant Assemblages from an Agricultural Landscape. <b>2022</b> , 42,	0
243	Morphological description and molecular characterisation of <i>Dactylogyrus matlopong</i> sp. n. (Monogenea: Dactylogyridae) from the South African endemic <i>Labeobarbus aeneus</i> (Cyprinidae: Torinae). 69,	0
242	Population genomics of emerging <i>Elizabethkingia anophelis</i> pathogens reveals potential outbreak and rapid global dissemination. 1-75	0
241	Morphological and molecular characterisation of <i>Alella igillimpethu</i> n. sp. (Copepoda: Siphonostomatoida: Lernaeopodidae) parasitising the southern African endemic intertidal klipfish, <i>Clinus superciliosus</i> .	0
240	Large-scale genetic investigation of nematode diversity and their phylogenetic patterns in New Zealand marine animals. 1-48	0
239	Museomics and the holotype of a critically endangered cricetid rodent provide key evidence of an undescribed genus. 10,	0
238	Survey of bacterial and protozoan agents in ticks and fleas found on wild animals in the state of Rio de Janeiro, Brazil. <b>2022</b> , 102037	0
237	Actin cytoskeleton dynamics affect replication of Human Metapneumovirus.	0
236	Activation of TnSmu1, an integrative and conjugative element, by an ImmR-like transcriptional regulator in <i>Streptococcus mutans</i> . <b>2022</b> , 168,	0
235	A novel nuclear receptor subfamily enlightens the origin of heterodimerization. <b>2022</b> , 20,	2
234	<i>Amanita beckeri</i> (Amanitaceae, Agaricales), a rare and little-known species of section <i>Vaginatae</i> □ the first record in Bulgaria. <b>2022</b> , 56, 287-300	0
233	<i>Calogaya elvebakkiana</i> (Teloschistaceae), a new combination and a new lichen species to Russia. <b>2022</b> , 56, 405-412	0
232	Morphological Characterization of Fresh and 20-Yr-Old Fixed Nematode Specimens of <i>Sauertylechus maximus</i> (Allen, 1955) Siddiqi, 2000 Deposited in the USDA Nematode Collection from Arlington National Cemetery, VA, USA. <b>2022</b> , 54,	0
231	Two New Species of <i>Backusella</i> (Mucorales, Mucoromycota) from Soil in an Upland Forest in Northeastern Brazil with an Identification Key of <i>Backusella</i> from the Americas. <b>2022</b> , 8, 1038	0
230	One clone to rule them all: Culture-independent genomics of <i>Chlamydia psittaci</i> from equine and avian hosts in Australia. <b>2022</b> , 8,	0
229	<i>Granulimonas faecalis</i> gen. nov., sp. nov., and <i>Leptogranulimonas caecicola</i> gen. nov., sp. nov., novel lactate-producing Atopobiaceae bacteria isolated from mouse intestines, and an emended description of the family Atopobiaceae. <b>2022</b> , 72,	0

- 228 Reclassification of probiotic *Lactobacillus acidophilus* NCIMB 30184 as *Lactobacillus helveticus* and *Lactobacillus casei* NCIMB 30185 as *Lacticaseibacillus paracasei*. ○
- 227 A novel T4- and E-based receptor binding protein family for bacteriophage therapy host range engineering. 13, ○
- 226 Uptake of inorganic and organic phosphorus compounds by two marine sponges and their associated bacterial communities in aquaria. ○
- 225 Whole-genome sequencing and comparative genomic analysis of a pathogenic *Enterocytozoon hepatopenaei* strain isolated from *Litopenaeus vannamei*. ○
- 224 *Hyporthodus griseofasciatus* (Perciformes: Epinephelidae), a new species of deep-water grouper from the west coast of Australia. ○
- 223 West Side Story: A molecular and morphological study of *Caridina longicarpus* Roux, 1926 (Decapoda, Caridea, Atyidae) from New Caledonia reveals a new species. 2022, 44, ○
- 222 Probing the thermo tolerant endosymbiont genus *Durusinium* (Clade D) in the scleractinian corals of Palk Bay, Southeast coast of India. ○
- 221 First molecular detection of *Borrelia theileri* subclinical infection in a cow from Brazil. ○
- 220 Geographic Range Overlap Rather than Phylogenetic Distance Explains Rabies Virus Transmission among Closely Related Bat Species. 2022, 14, 2399 ○
- 219 *Parachryseolinea silvisoli* gen. nov., sp. nov., isolated from forest soil, and reclassification of *Chryseolinea flava* as *Pseudochryseolinea flava* gen. nov., comb. nov.. 2022, 72, ○
- 218 The curious and intricate case of the European *Hediste diversicolor* (Annelida, Nereididae) species complex, with description of two new species. 2022, 20, ○
- 217 What lies behind a fruit crop variety name? A case study of the barn date palm from al-Qubais, Saudi Arabia. ○
- 216 What are the *Laetiporus* species present in southern South America?. 193-218 ○
- 215 *Epinephelus rankini* Whitley, 1945, a valid species of grouper (Teleostei, Perciformes, Epinephelidae) from Western Australia and southeast Indonesia. 10, ○
- 214 *Sphingomonas cannabina* sp. nov., isolated from *Cannabis sativa* L. Cheungsam 2022, 72, ○
- 213 Species diversity of *Ganoderma* (Ganodermataceae, Polyporales) with three new species and a key to *Ganoderma* in Yunnan Province, China. 13, 1
- 212 New Records of the Cryptogenic Soft Coral Genus *Stragulum* (Tubiporidae) from the Eastern Caribbean and the Persian Gulf. 2022, 14, 909 ○
- 211 Phylogenetic and molecular dating analyses of *Catasetum* (Orchidaceae) indicate a recent origin and artificial subgeneric groups. ○

210	Identification of RNA virus-derived RdRp sequences in publicly available transcriptomic datasets.	1
209	Sequence evidence that the D614G clade of SARS-CoV-2 was already circulating in northern Italy in the fall of 2019.	0
208	Genomic comparisons confirm <i>Giardia duodenalis</i> sub-assembly All as a unique species. 12,	1
207	Revision of <i>Coronoepimeritus</i> with Description of <i>Coronoepimeritus otoensis</i> n. sp. Infecting the Admirable Grasshopper <i>Syrbula admirabilis</i> (Orthoptera: Acrididae). 2022, 108,	0
206	Sequence evidence that the D614G clade of SARS-CoV-2 was already circulating in northern Italy in the fall of 2019.	0
205	Assessing the Various Antagonistic Mechanisms of <i>Trichoderma</i> Strains against the Brown Root Rot Pathogen <i>Pyrrhoderma noxium</i> Infecting Heritage Fig Trees. 2022, 8, 1105	0
204	<i>Paenibacillus sabuli</i> sp. nov., isolated from the South China Sea. 2022, 72,	0
203	Description of three novel species of <i>Scandinaviium</i> : <i>Scandinaviium hiltneri</i> sp. nov., <i>Scandinaviium manionii</i> sp. nov. and <i>Scandinaviium tedordense</i> sp. nov., isolated from the oak rhizosphere and bleeding cankers of broadleaf hosts. 13,	2
202	The genome and antigen proteome analysis of <i>Spiroplasma mirum</i> . 13,	0
201	A western representative of an eastern clade: Phylogeographic history of the gypsum-associated plant <i>Nepeta hispanica</i> . 2022, 57, 125699	0
200	On new dogbanes of South-Eastern European Russia due to the acceptance of the genus <i>Poacynum</i> Baill. (Apocynaceae). 2015, 46, 157-163	1
199	First morphological and phylogenetic data on <i>Ligophorus kaohsianghsieni</i> (Platyhelminthes: Monogenea) from the Black Sea and the Sea of Japan and molecular evidence of deep divergence of sympatric <i>Ligophorus</i> species parasitizing <i>Planiliza haematocheilus</i> . 2022, 96,	0
198	Muscle5: High-accuracy alignment ensembles enable unbiased assessments of sequence homology and phylogeny. 2022, 13,	2
197	Baobabs at the edge: 90-year dynamics of climate variability, growth, resilience, and evolutionary legacy effects. 5,	0
196	Hundreds of billions of silent outbreaks: A historic outbreak record of the gall midge <i>Schizomyia castanopsisae</i> (Diptera: Cecidomyiidae) on the Izu Islands, Tokyo, Japan, and its potential mechanism. 2022, 25,	0
195	Biodiversity of <i>Sargassum</i> (Fucales, Sargassaceae) from Eastern Samar (Philippines) inferred from nuclear ribosomal internal transcribed spacer (ITS) sequence data. 2022, 3, 422-434	0
194	Novel RNA Viruses Discovered in Weeds in Rice Fields. 2022, 14, 2489	0
193	Taxonomic update of species closely related to <i>Fulvifomes robiniae</i> in America. 2022, 21,	0

192	Novel Species and Records of Dictyosporiaceae from Freshwater Habitats in China and Thailand. <b>2022</b> , 8, 1200	1
191	Mitochondrial DNA variation of the caracal ( <i>Caracal caracal</i> ) in Iran and range-wide phylogeographic comparisons.	0
190	Prevalence and geographic distribution of <i>Babesia conradae</i> and detection of <i>Babesia vogeli</i> in free-ranging California coyotes ( <i>Canis latrans</i> ). <b>2022</b> ,	2
189	Observation on the <i>Rotylenchus brevicaudatus</i> Colbran, 1962 from Botswana, with the first SEM of the species.	0
188	Morphology and molecular phylogeny reveal five new species of <i>Hydnellum</i> (Bankeraceae, Thelephorales) from China. 13,	0
187	Phylogeny, biogeography, and character evolution in the genus <i>Scilla</i> s.l. and its close relatives <i>Chionodoxa</i> , <i>Gemicia</i> , <i>Puschkinia</i> , and <i>Prospero</i> (Asparagaceae). <b>2022</b> , 308,	0
186	Soil Type Influences Novel <i>Milpa</i> Isolates of <i>Trichoderma virens</i> and <i>Aspergillus tubingensis</i> That Promote Solubilization, Mineralization, and Phytoabsorption of Phosphorus in <i>Capsicum annum</i> L.. <b>2022</b> , 8, 1178	0
185	Trophic strategies of intertidal foraminifera explored with single-cell microbiome metabarcoding and morphological methods: What is on the menu?. <b>2022</b> , 12,	0
184	Genetic diversity of the tomato russet mite supporting oligophagy and evidencing widespread of an invasive haplotype.	0
183	Characterization of <i>Acroboloides longiuterus</i> (Rashid & Heyns, 1990) Siddiqi, De Ley & Khan, 1992 (Rhabditida: Cephalobidae) from South Africa including the SEM study of the species.	0
182	Molecular evolution of non-visual opsin genes across environmental, developmental, and morphological adaptations in frogs.	0
181	Fungicolous Fungi on Pseudosclerotial Plates and Apothecia of <i>Hymenoscyphus fraxineus</i> and Their Biocontrol Potential. <b>2022</b> , 10, 2250	0
180	Comparative Chloroplast Genomes and Phylogenetic Analyses of <i>Zanthoxylum</i> L. Provide Insights into Species Delimitation and Phylogenetic Relationships.	0
179	Sequence evidence that the D614G clade of SARS-CoV-2 was already circulating in northern Italy in the fall of 2019.	0
178	Reappraisal of the hyperdiverse. <b>2022</b> , 36, 1017-1061	0
177	Molecular epidemiology of <i>Ralstonia pseudosolanacearum</i> phylotype I strains in the South West Indian Ocean region and their relatedness to African strains.	0
176	Russulaceae of the Pakaraima Mountains of Guyana. IV. New species forming a distinct lineage of <i>Lactarius</i> subg. <i>Plinthogalus</i> . 1-18	0
175	No phylogenomic support for a Cenozoic origin of the living fossil Isoetes.	1

- 174 An integrative study of *Pannaria hookeri* (Ascomycota lichenized) from Argentina and the update of the taxon circumscription based on specimens from the Northern and Southern Hemispheres. 36, 0
- 173 A Chromosome-level assembly of the Japanese eel genome, insights into gene duplication and chromosomal reorganization. **2022**, 11, 2
- 172 Discovery of a new black fly species in the *Simulium* (*Simulium*) *striatum* species-group (Diptera: Simuliidae) from northeastern Thailand and its phylogenetic relationships with seven Thai related species. **2023**, 238, 106790 0
- 171 Genetic diversity and population structure of the crescent perch *Terapon jarbua* (Centrarchiformes: Terapontidae) in the Philippines. **2023**, 58, 102786 0
- 170 Integrative taxonomy in the genus *Rhabdias* Stiles et Hassall, 1905 from anuran in Brazil, description of two new species and phylogenetic analyses. **2023**, 93, 102714 0
- 169 Metabotyping of Andean pseudocereals and characterization of emerging mycotoxins. **2023**, 407, 135134 0
- 168 Metagenomic study of the communities of bacterial endophytes in the desert plant *Senna Italica* and their role in abiotic stress resistance in the plant. 82, 0
- 167 Molecular revision of *Rhagiini sensu lato* (Coleoptera, Cerambycidae): Paraphyly, intricate evolution and novel taxonomy. **2022**, 30, 295-309 0
- 166 First report of *Tripylina zhejiangensis* associated with grassland in South Africa. **2022**, 59, 311-316 0
- 165 A phylogenetic assessment of nematodes (Oxyuroidea: Pharyngodonidae) infecting Moroccan lizards. **2022**, 59, 275-283 0
- 164 Climate Relicts: Asian Scorpion Family Pseudochactidae Survived Miocene Aridification in Caves of the Annamite Mountains. **2022**, 6, 0
- 163 Meta-analysis of Antarctic phylogeography reveals strong sampling bias and critical knowledge gaps. **2022**, 2022, 1
- 162 Genetic variability, biomass parameters, elemental composition and energy content of the non-indigenous hydromedusa *Craspedacusta sowerbii* in North America. 0
- 161 Phylogeographic history of mitochondrial haplogroup J in Scandinavia. 0
- 160 Characterization of a *Pseudokeronopsis* Strain (Ciliophora, Urostylida) and Its Bacterial Endosymbiont *Candidatus Trichorickettsia* (Alphaproteobacteria, Rickettsiales). **2022**, 14, 1032 0
- 159 Individual bat viromes reveal the co-infection, spillover and emergence risk of potential zoonotic viruses. 0
- 158 African Suid Genomes Provide Insights into the Local Adaptation to Diverse African Environments. **2022**, 39, 0
- 157 Genetic and pathogenic diversity of *Ralstonia solanacearum* species complex strains isolated in Burkina Faso. **2023**, 171, 1-11 0

- 156 Expanding known viral diversity in plants: virome of 161 species alongside an ancient canal. **2022**, 17, ○
- 155 Testing the efficacy of bat monitoring methods for identification and species surveys in KwaZulu-Natal province, South Africa. **2022**, 57, 180-194 ○
- 154 New Strain of *Cyphellophora olivacea* Exhibits Striking Tolerance to Sodium Bicarbonate. **2022**, 14, 1023 ○
- 153 *Amolops putaoensis* Gan, Qin, Lwin, Li, Quan, Liu & Yu, 2020, a newly recorded torrent frog for China. 35, 231-237 ○
- 152 Sequence evidence that the D614G clade of SARS-CoV-2 was already circulating in northern Italy in the fall of 2019. ○
- 151 IMA genome-F17. **2022**, 13, ○
- 150 From field to laboratory: isolation, genetic assessment, and parasitological behavior of *Schistosoma mansoni* obtained from naturally infected wild rodent *Holochilus sciureus* (Rodentia, Cricetidae), collected in Northeastern Brazil. ○
- 149 Description of a novel species of *Leclercia*, *Leclercia tamurae* sp. nov. and proposal of a novel genus *Silvania* gen. nov. containing two novel species *Silvania hatchlandensis* sp. nov. and *Silvania confinis* sp. nov. isolated from the rhizosphere of oak. **2022**, 22, 1
- 148 Pathogen genomics study of an early medieval community in Germany reveals extensive co-infections. **2022**, 23, ○
- 147 Symbiotic Performance and Characterization of *Pigeonpea* (*Cajanus cajan* L. Millsp.) Rhizobia Occurring in South African Soils. **2023**, 13, 30 ○
- 146 Alternative splicing liberates a cryptic cytoplasmic isoform of mitochondrial MECP2 that antagonizes influenza virus. **2022**, 20, e3001934 1
- 145 Existence of biogeographic barriers for the long-term Neogene-Quaternary divergence and differentiation of *Koenigia forrestii* in the Himalaya-Hengduan Mountains. ○
- 144 How Many Abalone Species Live in the Mediterranean Sea?. **2022**, 14, 1107 ○
- 143 A novel narnavirus is widespread in *Saccharomyces cerevisiae* and impacts multiple host phenotypes. ○
- 142 Intraspecific Variation in Three Species of *Semudobia* (Diptera: Cecidomyiidae) Forming Fruit Galls on *Betula* (Betulaceae) in the Holarctic Region. **2022**, 124, ○
- 141 Host-symbiont interactions in *Angomonas deanei* include the evolution of a host-derived dynamin ring around the endosymbiont division site. **2022**, ○
- 140 The Complete Mitogenome of *Toxocara vitulorum*: Novel In-Sights into the Phylogenetics in Toxocaridae. **2022**, 12, 3546 ○
- 139 Origin and evolutionary history of *Populus* (Salicaceae): Further insights based on time divergence and biogeographic analysis. 13, ○

- 138 The SARS-CoV-2 Delta (B.1.617.2) variant with Spike N501Y mutation in the shadow of Omicron emergence. **2022**, e12650 ○
- 137 Transposon-derived transcription factors across metazoans. 1
- 136 Antarctic fungi with antibiotic potential isolated from Fort William Point, Antarctica. **2022**, 12, ○
- 135 The *Macrobotus persimilis-polonicus* complex (Eutardigrada, Macrobiotidae), another example of problematic species identification, with the description of four new species. ○
- 134 First Report of the Genus *Vitisiella* in Japan, with Description of a New Species Inducing Leaf Galls on *Vitis vinifera* L. (Vitaceae). **2022**, 124, ○
- 133 Comparative genomic analyses of four novel *Ramlibacter* species and the cellulose-degrading properties of *Ramlibacter cellulosityticus* sp. nov.. **2022**, 12, ○
- 132 MtDNA Analysis of the Upper Yenisei Grayling (*Thymallus svetovidovi*) and the Mongolian Grayling (*Thymallus brevirostris*) and Clarification of Their Ranges. **2022**, 49, 721-726 ○
- 131 Molecular Phylogeny Supports the Monophyly of the Mite Supercohort Eupodides (Acariformes: Trombidiformes) and Greatly Coincides with Traditional Morphological Definition of the Taxon. **2022**, 72, ○
- 130 To explore strange new worlds [the diversification in *Tremella caloplacae* was linked to the adaptive radiation of the Teloschistaceae. **2022**, 107680 ○
- 129 *Sphingomonas liriopis* sp. nov., *Sphingomonas donggukensis* sp. nov., and *Sphingomonas tagetis* sp. nov., isolated from *Liriope platyphylla* fruit, soil, and *Tagetes patula* roots. **2023**, 205, ○
- 128 Genomic analysis of hypoxia inducible factor alpha in ray-finned fishes reveals missing Ohnologs and evidence of widespread positive selection. **2022**, 12, ○
- 127 Climate warming triggers the emergence of native viruses in Iberian amphibians. **2022**, 25, 105541 ○
- 126 Long-wavelength-sensitive (lws) opsin gene expression, foraging and visual communication in coral reef fishes. ○
- 125 *Neiella litorisoli* sp. nov., an alginate lyase [producing bacterium from South China Sea. ○
- 124 *Humicolopsis cephalosporioides* synthesizes DHN-melanin in its chlamydo spores. **2023**, 22, ○
- 123 Contribution of integrative taxonomy of ichthyoplankton to knowledge on mesopelagic fish biodiversity in the Northeastern Mediterranean. **2023**, 53, ○
- 122 Revealing the diversity of the green *Eulalia* (Annelida, Phyllodocidae) species complex along the European coast, with description of three new species. ○
- 121 Characterization of the complete plastid genome of Korean endemic, *Ajuga spectabilis* Nakai (Lamiaceae). **2023**, 8, 119-123 ○

- 120 Integrative taxonomy reveals that not all European reddish runcinids are the same: the case of the *Runcina ferruginea* Kress, 1977 (Gastropoda, Heterobranchia, Runcinida) species-complex, with the description of a new genus. **2023**, 37, 61 ○
- 119 *Calicophoron daubneyi* (Dinnik, 1962) (Digenea) in beef and dairy cattle in the Czech Republic: prevalence and drug efficacy. 70, ○
- 118 Using integrative taxonomy to distinguish cryptic halfbeak species and interpret distribution patterns, fisheries landings, and speciation. **2023**, ○
- 117 Complete mitochondrial genome of the sea-pen, *Cavernularia obesa* (Valenciennes, 1850) (Octocorallia: Veretillidae). **2023**, 8, 113-115 ○
- 116 Morphological description and molecular characterization of *Ancyracanthus electrophori* n. sp. (Gnathostomatoidea: Gnathostomatidae): a new nematode parasitic in the electric eel *Electrophorus varius* (Gymnotiformes: Gymnotidae), from the Brazilian Amazon. **2023**, 97, ○
- 115 A Spirobicyclo[3.1.0]Terpene from the Investigation of Sesquiterpene Synthases from *Lactarius deliciosus*. ○
- 114 From head to rootlet: comparative transcriptomic analysis of a rhizocephalan barnacle *Peltogaster reticulata* (Crustacea: Rhizocephala). 11, 583 ○
- 113 A highly divergent mitochondrial genome in extant Cape buffalo from Addo Elephant National Park, South Africa. ○
- 112 New Insights into the Role of the *Trypanosoma cruzi* Aldo-Keto Reductase TcAKR. **2023**, 12, 85 ○
- 111 Prediction and validation of novel SigB regulon members in *Bacillus subtilis* and regulon structure comparison to Bacillales members. **2023**, 23, ○
- 110 Signature selection forces and evolutionary divergence of immune-survival genes compared between two important shrimp species. **2023**, 18, e0280250 ○
- 109 *Fusceulimoides kohtsukai* gen. et sp. nov., a Minute Eulimid Gastropod Parasitic on the Little Brittle Star *Ophiactis savignyi* in Central Japan. **2023**, 40, ○
- 108 Molecular characterization of *Dictyocaulus* nematodes in wild red deer *Cervus elaphus* in two areas of the Italian Alps. ○
- 107 Detection of *Candidatus Phytoplasma prunorum* in Apricot Trees and its Associated Psyllid Samples. **2023**, 13, 199 ○
- 106 Morphological and molecular characterization of *Cosmocercoides amapari* n. sp. (Nematoda: Cosmocercidae), parasitic in hylid frogs from the Brazilian Amazon. 1-34 ○
- 105 *Legionella maioricensis* sp. nov., a new species isolated from the hot water distribution systems of a hospital and a shopping center during routine sampling. **2023**, 73, ○
- 104 Genome-wide identification glutathione-S-transferase gene superfamily in *Daphnia pulex* and its transcriptional response to nanoplastics. **2023**, 230, 123112 ○
- 103 Characterization of monkey adenoviruses with three fiber genes. **2023**, 108, 105403 ○



- 102 Phylogenetic Analyses and Morphological Studies Reveal Four New Species of *Phellodon* (Bankeraceae, Thelephorales) from China. **2023**, 9, 30 ○
- 101 The occurrence and molecular identification of *Thelezia* spp. in European bison (*Bison bonasus*) in the Bieszczady Mountains. **2022**, 12, ○ 1
- 100 Chromosome-level assembly of triploid genome of sichuan pepper (*Zanthoxylum armatum*). **2022**, ○
- 99 A beneficial fungal root endophyte triggers systemic RNA silencing and DNA methylation of a host reporter gene. **2023**, 20, 20-30 ○
- 98 Taxonomic novelties in the Asteraceae *Thuleae* with the description of a new genus, *Galgera* separate from *Laggera*. **2022**, 52, ○
- 97 Genetic and phosphoproteomic basis of LysM-mediated immune signaling in *Marchantia polymorpha* highlights conserved elements and new aspect of pattern-triggered immunity in land plants. ○
- 96 Two New *Ferula* (Apiaceae) Species from Central Anatolia: *Ferula turcica* and *Ferula latialata*. **2023**, 9, 144 ○
- 95 Molecular phylogenetics, biogeography and character evolution in *Sesamum* (Pedaliaceae). ○
- 94 Response of an alpine plant to Quaternary climate change: a phylogeographic study of *Saxifraga tangutica* (Saxifragaceae) in the Qinghai-Tibetan Plateau and Himalayas. ○
- 93 *Parampelomyia*, another new gall midge genus (Diptera: Cecidomyiidae) associated with Vitaceae, with description of a new species developing in flower buds of the porcelain berry in Japan. 81, 165-177 ○
- 92 Taxonomic review of the *Chondrostoma* (Teleostei, Leuciscidae) species from inland waters of Turkey: an integrative approach. **2023**, 99, 1-13 ○
- 91 Spatial and phylogenetic structure of Alpine stonefly assemblages across seven habitats using DNA-species. ○
- 90 The first modern morphological description of *Cercaria pennata* and molecular evidence of its synonymy with *Pronoprymna ventricosa* in the Black Sea. **2023**, 97, ○
- 89 Genomic High Plains Wheat Mosaic Virus Sequences from Australia: Their Phylogenetics and Evidence for Emaravirus Recombination and Reassortment. **2023**, 15, 401 ○
- 88 Two new species of Hymenochaetaceae from tropical Asia and America. 12, ○
- 87 A modular plasmid toolkit applied in marine Proteobacteria reveals functional insights during bacteria-stimulated metamorphosis. ○
- 86 Systematics of Ditaxinae and Related Lineages within the Subfamily Acalyphoideae (Euphorbiaceae) Based on Molecular Phylogenetics. **2023**, 12, 173 1
- 85 Evidence of philopatry in white mullet *Mugil curema* (Pisces: Mugilidae). ○

- 84 The complete mitochondrial genome of the Reef Manta Ray, *Mobula alfredi*, from Hawaii. **2023**, 8, 197-203 ○
- 83 Phylogenetic and host-parasite relationship analyses of *Henneguya caquetaia* sp. nov. (Myxosporidia: Myxobolidae) infecting an Amazonian cichlid fish. **2023**, 106116 ○
- 82 Long Eared Owls (*Asio otus* Linnaeus, 1758) as Field-Assistants in an Integrative Taxonomy Survey of a Peculiar *Microtus savii* (Rodentia, Cricetidae) Population. **2023**, 13, 4703 ○
- 81 Whole-genome sequencing and analysis of *Apocynum cannabinum*. ○
- 80 Cases of paternal inheritance and recombination of mitochondria in peas (*Pisum* L.). ○
- 79 Functional significance of asymmetrical retention of parental alleles in a hybrid pine species complex. ○
- 78 Morphological and molecular confirmation of *Ornithodoros hasei* (Schulze, 1935) (Acari: Argasidae) in Colombia. **2023**, 14, 102142 ○
- 77 *Ortholinea nupchi* n. sp. (Myxosporidia: Ortholineidae) from the urinary bladder of the cultured olive flounder *Paralichthys olivaceus*, South Korea. **2023**, 94, 102734 ○
- 76 Diversity and phylogeny of seagrasses in Singapore. **2023**, 187, 103648 ○
- 75 Genetic diversity of *Kappaphycus malesianus* (Solieriaceae, Rhodophyta) from the Philippines. **2023**, 187, 103649 ○
- 74 Description of *Dryocola* gen. nov. and two novel species, *Dryocola boscaweniae* sp. nov. and *Dryocola clanedunensis* sp. nov. isolated from the rhizosphere of native British oaks. **2023**, 46, 126399 ○
- 73 A reversible mutation in a genomic hotspot saves bacterial swarms from extinction. **2023**, 26, 106043 ○
- 72 The *Sinorhizobium meliloti* NspS-MbaA system affects biofilm formation, exopolysaccharide production and motility in response to specific polyamines. **2023**, 169, ○
- 71 Evidence for existence of an apoptosis-inducing BH3 -only protein, sayonara , in *Drosophila*. **2023**, 42, 1
- 70 Exploring the Relationship between Biosynthetic Gene Clusters and Constitutive Production of Mycosporine-like Amino Acids in Brazilian Cyanobacteria. **2023**, 28, 1420 1
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- 68 New Insights into Plastid and Mitochondria Evolution in Wild Peas (*Pisum* L.). **2023**, 15, 216 ○
- 67 First report of *Aphelenchoides bicaudatus* (Imamura, 1931) Filipjev and Schuurmans Stekhoven, 1941 associated with grass in South Africa. **2022**, 59, 414-423 ○

66	HoBi-like Pestivirus Is Highly Prevalent in Cattle Herds in the Amazon Region (Northern Brazil). <b>2023</b> , 15, 453	1
65	Putative source and niche shift pattern of a new alien ant species ( <i>Odontomachus troglodytes</i> ) in Taiwan. 11, e14718	0
64	Phytochrome higher order mutants reveal a complex set of light responses in the moss <i>Physcomitrium patens</i> .	0
63	Genetic polymorphisms of seven <i>Trichoderma</i> spp strains, their potential as biological control agent and growth promoter in tomato.	0
62	Palaeogenetics and Palaeogenomics to Study the Domestication of Animals. <b>2023</b> , 657-676	0
61	Minus-C subfamily has diverged from Classic odorant-binding proteins in honeybees. <b>2023</b> , 54,	0
60	Structure and Function of Heavy Metal Transporting ATPases in Brassica Species. <b>2023</b> , 75-99	0
59	Temporal Dynamics of <i>Anaplasma marginale</i> Infections and the Composition of <i>Anaplasma</i> spp. in Calves in the Mnisi Communal Area, Mpumalanga, South Africa. <b>2023</b> , 11, 465	0
58	Morphological and genomic characteristics of two novel actinomycetes, <i>Ornithinimicrobium sulfipigmenti</i> sp. nov. and <i>Ornithinimicrobium faecis</i> sp. nov. isolated from bat faeces ( <i>Rousettus leschenaultia</i> and <i>Taphozous perforates</i> ). 13,	0
57	Genetic analysis of the tomato russet mite provides evidence of oligophagy and a widespread pestiferous haplotype. <b>2023</b> , 89, 171-199	0
56	Hemogregarine Diversity Infecting Brazilian Turtles with a Description of Six New Species of <i>Haemogregarina</i> (Apicomplexa: Adeleorina: Haemogregarinidae). <b>2023</b> , 15, 296	0
55	New Insights into the Taxonomy of Malacopsylloidea Superfamily (Siphonaptera) Based on Morphological, Molecular and Phylogenetic Characterization of <i>Phthiropsylla agenoris</i> (Malacopsyllidae) and <i>Polygenis (Polygenis) rimatus</i> (Rhopalopsyllidae). <b>2023</b> , 15, 308	0
54	First report of <i>Colletotrichum spaethianum</i> causing anthracnose disease on <i>Bletilla striata</i> . 1-10	0
53	A Novel Memory Type in <i>C. elegans</i> Exhibits Post-Training Consolidation.	0
52	Seasonal flight and genetic distinction among <i>Xylosandrus crassiusculus</i> populations invasive in Australia. <b>2022</b> , 85, 224-231	1
51	Morphological and molecular diagnosis of two new species of <i>Trypanosoma</i> Gruby, 1843 infecting South African cordylid lizards (Squamata: Cordylidae: Cordylinae), <i>Trypanosoma (Squamatrypanum) ndumoensis</i> n. sp. and <i>Trypanosoma (Trypanosoma) tokoloshi</i> n. sp..	0
50	Skin infectome of patients with a tick bite history. 13,	0
49	Description of the Three Complete Mitochondrial Genomes of <i>Sitta</i> ( <i>S. himalayensis</i> , <i>S. nagaensis</i> , and <i>S. yunnanensis</i> ) and Phylogenetic Relationship (Aves: Sittidae). <b>2023</b> , 14, 589	0

- 48 Evaluating Compression-Based Phylogeny Estimation in the Presence of Incomplete Lineage Sorting. **2023**, 30, 250-260 ○
- 47 New insights into the phylogenetic relationships of Japanese knotweed (*Reynoutria japonica*) and allied taxa in subtribe Reynoutriinae (Polygonaceae). 220, 83-108 ○
- 46 Molecular exploration of fossil eggshell uncovers hidden lineage of giant extinct bird. **2023**, 14, ○
- 45 Are 150 km of open sea enough? Gene flow and population differentiation in a bat-pollinated columnar cactus. ○
- 44 Brome mosaic virus detected in Kansas wheat co-infected with other common wheat viruses. 14, ○
- 43 Tyrosyl-DNA phosphodiesterase 1 (TDP1) and SPRTN protease repair histone 3 and topoisomerase 1 DNA-protein crosslinks in vivo. ○
- 42 Discovery of a New Lichtheimia (Lichtheimiaceae, Mucorales) from Invertebrate Niche and Its Phylogenetic Status and Physiological Characteristics. **2023**, 9, 317 ○
- 41 Transposon-derived transcription factors across metazoans. 11, ○
- 40 Skunk-associated rabies case in equine from Northern Mexico. ○
- 39 Improved hepatitis delta virus genome characterization by single molecule full-length genome sequencing combined with VIRiONT pipeline. **2023**, 95, ○
- 38 Taxonomic re-evaluation of African anuran trypanosomes with the redescription and molecular diagnosis of *Trypanosoma (Trypanosoma) nelspruitense* Laveran, 1904 and *Trypanosoma (Haematomonas) grandicolor* Pienaar, 1962. 1-11 ○
- 37 Mitochondrial genomic characterization of two endemic Chinese freshwater crabs of the genus *Sinopotamon* (Brachyura: Potamidae) and implications for biogeography analysis of Potamidae. **2023**, 13, ○
- 36 A broadly distributed predicted helicase/nuclease confers phage resistance via abortive infection. **2023**, 31, 343-355.e5 ○
- 35 Genome-wide identification, expression profile and evolutionary relationships of TPS genes in the neotropical fruit tree species *Psidium cattleianum*. **2023**, 13, ○
- 34 ACRC/GCNA is an essential protease for the repair of DNA-protein crosslinks during vertebrate development. ○
- 33 Genome-Wide Identification and Analysis of NBS-LRR-Encoding Genes in Mungbean (*Vigna radiata* L. Wilczek) and Their Expression in Two Wild Non-progenitors Reveal Their Role in MYMIV Resistance. ○
- 32 ORGANIZATION AND POLYMORPHISM OF THE CHLOROPLAST GENOME REGION *psbA-trnH* IN REPRESENTATIVES OF THE GONIOLIMON BOISS.. **2022**, 14, 137-142 ○
- 31 PHYLOGENETIC RELATIONSHIPS OF UKRAINIAN ACCESSIONS OF *LATHYRUS VENETUS* (MILL.) WOHLF. AND *L. VERNUS* (L.) BERNH. BASED ON THE ANALYSIS OF THE *psbA-trnH* REGION OF THE CHLOROPLAST GENOME. **2022**, 14, 39-44 2

- 30 Genome-wide identification of NHX (Na<sup>+</sup>/H<sup>+</sup> antiporter) gene family in Cucurbita L. and functional analysis of CmoNHX1 under salt stress. 14, ○
- 29 An Old World leaf-cutting, fungus-growing ant: A case of convergent evolution. **2023**, 13, ○
- 28 Structural and Phylogenetic Analysis of CXCR4 Protein Reveals New Insights into Its Role in Emerging and Re-Emerging Diseases in Mammals. **2023**, 11, 671 ○
- 27 Maternal genetic history of ancient Tibetans over the past 4000 years. **2023**, ○
- 26 *Helicobacter kumamotonensis* sp. nov., isolated from human clinical specimens. **2023**, 73, ○
- 25 Comprehensive molecular characterization of complete mitogenome assemblies of 33 *Eimeria* isolates infecting domestic chickens. **2023**, 16, ○
- 24 A tale of two tubeworms: taxonomy of vestimentiferans (Annelida: Siboglinidae) from the Mid-Cayman Spreading Centre. **2023**, 37, 167-191 ○
- 23 *Hericium opheliae* sp. nov., a novel species of *Hericium* (Basidiomycota: Russulales, Hericiaceae) from the Southern Afrotemperate forests of South Africa. 1-9 ○
- 22 Evolutionary Aspects of the Fructan Syndrome. **2023**, 75-90 ○
- 21 Improved rock phosphate dissolution from organic acids is driven by nitrate assimilation of bacteria isolated from nitrate and CaCO<sub>3</sub>-rich soil. **2023**, 18, e0283437 ○
- 20 Update on the genetic diversity and population structure of *Echinococcus granulosus* in Gansu Province, Tibet Autonomous Region, and Xinjiang Uygur Autonomous Region, Western China, inferred from mitochondrial *cox1*, *nad1*, and *nad5* sequences. **2023**, 122, 1107-1126 ○
- 19 Through the e DNA looking glass: Responses of fjord benthic foraminiferal communities to contrasting environmental conditions. ○
- 18 Assembly, Characterization, and Phylogenetic Relationships of Mitogenomes of Two Species of Mexican Trout (*Oncorhynchus chrysogaster* and *O. mykiss nelsoni*). **2023**, 8, 178 ○
- 17 Non-structural genes of novel lemur adenoviruses reveal codivergence of virus and host. **2023**, 9, ○
- 16 New Data on the Distribution of the Bulgarian Spined Loach *Cobitis strumicae* (Teleostei: Cobitidae) in Tĕkiye. ○
- 15 Comparative Evaluation of Standard RT-PCR Assays and Commercial Real-Time RT-PCR Kits for Detection of Lassa Virus. **2023**, 11, ○
- 14 Two new species of *Scolecobasidium* (Venturiales, Symptoventuriaceae) associated with true mangrove plants and *S. terrestre* comb. nov.. 96, 113-126 ○
- 13 The *Trypanosoma brucei* MISP family of invariant proteins is co-expressed with BARP as triple helical bundle structures on the surface of salivary gland forms, but is dispensable for parasite development within the tsetse vector. **2023**, 19, e1011269 ○

- 12 Five new *Graphium* species from hardwood trees in Poland. 1-18 ○
- 11 Geographical subdivision of *Alviniconcha* snail populations in the Indian Ocean hydrothermal vent regions. 10, ○
- 10 Description of Two Fungal Endophytes Isolated from *Fragaria chiloensis* subsp. *chiloensis* f. *patagonica*: *Coniochaeta fragariicola* sp. nov. and a New Record of *Coniochaeta hansenii*. **2023**, 3, 183-203 ○
- 9 Confirming the identity of the *Hypogeococcus* species (Hemiptera: Pseudococcidae) associated with *Harrisia martinii* (Labour.) Britton (Cactaceae) in Australia: Implications for biological control. ○
- 8 Clonal Expansion in Multiple *Phyllosticta* Species Causing Citrus Black Spot or Similar Symptoms in China. **2023**, 9, 449 ○
- 7 First lichenicolous records of *Chaetopyrena penicillata*. **2022**, 137, 591-602 ○
- 6 Phylogenetic assessment of Apophallines (Digenea: Opisthorchiidae) with revision of *Apophallus donicus* Skrjabin & Lindtrop, 1919 complex and some taxonomic propositions. **2023**, 21, ○
- 5 Deciphering the Hantavirus Host Range Combining Virology and Species Distribution Models with an Emphasis on the Yellow Pygmy Rice Rat (*Oligoryzomys flavescens*). **2023**, 2023, 1-15 ○
- 4 Artificial intelligence redefines RNA virus discovery. ○
- 3 A Genomic and Transcriptomic Analysis of the C-Type Lectin Gene Family Reveals Highly Expanded and Diversified Repertoires in Bivalves. **2023**, 21, 254 ○
- 2 Comparison of the chloroplast genomes and phylogenomic analysis of *Elaeocarpaceae*. 11, e15322 ○
- 1 The complete chloroplast genome sequence of *Eugenia klotzschiana* O. Berg unveils the evolutionary dynamics in plastomes of Myrteae DC. tribe (Myrtaceae). **2023**, 147488 ○