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## Dendroscope 3: an interactive tool for rooted phylogenetic trees and networks

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1143	Structure, mineralogy, and microbial diversity of geothermal spring microbialites associated with a deep oil drilling in Romania. <b>2015</b> , 6, 253	18
1142	Utilization of human nuclear receptors as an early counter screen for off-target activity: a case study with a compendium of 615 known drugs. <b>2015</b> , 145, 283-95	9
1141	The chimerical genome of Isla del Coco feral pigs (Costa Rica), an isolated population since 1793 but with remarkable levels of diversity. <b>2015</b> , 24, 2364-78	11
1140	Testing reticulate versus coalescent origins of <i>Erica lusitanica</i> using a species phylogeny of the northern heathers (Ericaceae, Ericaceae). <b>2015</b> , 88, 121-31	17
1139	Structural basis for carbohydrate binding properties of a plant chitinase-like agglutinin with conserved catalytic machinery. <b>2015</b> , 190, 115-21	6
1138	Contrasting taxonomic stratification of microbial communities in two hypersaline meromictic lakes. <b>2015</b> , 9, 2642-56	55
1137	Alcohol dehydrogenase, SDR and MDR structural stages, present update and altered era. <b>2015</b> , 234, 75-9	16
1136	A polymorphic pseudoautosomal boundary in the <i>Carica papaya</i> sex chromosomes. <b>2015</b> , 290, 1511-22	9
1135	Chlamydia-related Organisms: Infection in Ruminants and Potential for Zoonotic transmission. <b>2015</b> , 2, 1-9	4

1134	Phylogeny of <i>Salix</i> subgenus <i>Salix</i> s.l. (Salicaceae): delimitation, biogeography, and reticulate evolution. <b>2015</b> , 15, 31		49
1133	Outbreak with clonally related isolates of <i>Corynebacterium ulcerans</i> in a group of water rats. <b>2015</b> , 15, 42		11
1132	Phylogenetic and syntenic data support a single horizontal transference to a <i>Trypanosoma</i> ancestor of a prokaryotic proline racemase implicated in parasite evasion from host defences. <b>2015</b> , 8, 222		14
1131	A novel BLAST-Based Relative Distance (BBRD) method can effectively group members of protein arginine methyltransferases and suggest their evolutionary relationship. <b>2015</b> , 84, 101-11		7
1130	<i>Wolbachia</i> in Neotropical terrestrial isopods. <b>2015</b> , 91,		10
1129	Maturation and Diversity of the VRC01-Antibody Lineage over 15 Years of Chronic HIV-1 Infection. <b>2015</b> , 161, 470-485		177
1128	[Structural Features of Cysteine-Stabilized Polypeptides from Sea Anemones Venoms]. <b>2015</b> , 41, 511-23		7
1127	Comparative genome analysis of <i>Mycoplasma pneumoniae</i> . <b>2015</b> , 16, 610		42
1126	Morphological and phylogenetic relationships within <i>Viola</i> sect. <i>Sclerosium</i> (Violaceae) in Iran. <b>2015</b> , 215, 67-74		7
1125	Molecular characterization of Helja, an extracellular jacalin-related protein from <i>Helianthus annuus</i> : Insights into the relationship of this protein with unconventionally secreted lectins. <b>2015</b> , 183, 144-53		9
1124	Gene expression during zombie ant biting behavior reflects the complexity underlying fungal parasitic behavioral manipulation. <b>2015</b> , 16, 620		70
1123	Automated identification of depsipeptide natural products by an informatic search algorithm. <b>2015</b> , 16, 223-7		8
1122	How much information is needed to infer reticulate evolutionary histories?. <i>Systematic Biology</i> , <b>2015</b> , 64, 102-11	8.4	20
1121	The intergenic transcribed spacer region 1 as a molecular marker for identification and discrimination of <i>Enterobacteriaceae</i> associated with acute oak decline. <b>2015</b> , 118, 193-201		2
1120	The mammalian alcohol dehydrogenase genome shows several gene duplications and gene losses resulting in a large set of different enzymes including pseudoenzymes. <b>2015</b> , 234, 80-4		5
1119	Characterization of five fresh water microalgae with potential for biodiesel production. <b>2015</b> , 7, 33-44		16
1118	Characterization of two putative prolinases (PepR1 and PepR2) from <i>Lactobacillus plantarum</i> WCFS1: occurrence of two isozymes with structural similarity and different catalytic properties. <b>2015</b> , 1854, 91-100		5
1117	From gene trees to a dated allopolyploid network: insights from the angiosperm genus <i>Viola</i> (Violaceae). <i>Systematic Biology</i> , <b>2015</b> , 64, 84-101	8.4	80

1116	Draft Genome Sequence of <i>Enterococcus faecalis</i> Strain UCD-PD3. <b>2016</b> , 4,	
1115	Comparative Large-Scale Mitogenomics Evidences Clade-Specific Evolutionary Trends in Mitochondrial DNAs of <i>Bivalvia</i> . <b>2016</b> , 8, 2544-64	40
1114	Feasibility of nuclear ribosomal region ITS1 over ITS2 in barcoding taxonomically challenging genera of subtribe <i>Cassiinae</i> ( <i>Fabaceae</i> ). <b>2016</b> , 4, e2638	9
1113	Draft Genome Sequence of <i>Tenacibaculum soleae</i> UCD-KL19. <b>2016</b> , 4,	7
1112	Mitochondrial genetic diversity, selection and recombination in a canine transmissible cancer. <b>2016</b> , 5,	37
1111	Tracking the Evolution of Polymerase Genes of Influenza A Viruses during Interspecies Transmission between Avian and Swine Hosts. <b>2016</b> , 7, 2118	1
1110	A scalability study of phylogenetic network inference methods using empirical datasets and simulations involving a single reticulation. <b>2016</b> , 17, 422	25
1109	Genetic diversity and structure in hill rice ( <i>Oryza sativa</i> L.) landraces from the North-Eastern Himalayas of India. <b>2016</b> , 17, 107	27
1108	Selection on Coding and Regulatory Variation Maintains Individuality in Major Urinary Protein Scent Marks in Wild Mice. <b>2016</b> , 12, e1005891	28
1107	Mechanism of Action of Secreted Newt Anterior Gradient Protein. <b>2016</b> , 11, e0154176	18
1106	DNA Barcoding of Malagasy Rosewoods: Towards a Molecular Identification of CITES-Listed <i>Dalbergia</i> Species. <b>2016</b> , 11, e0157881	25
1105	Small RNA-Based Antiviral Defense in the Phytopathogenic Fungus <i>Colletotrichum higginsianum</i> . <b>2016</b> , 12, e1005640	54
1104	Evolution of Electrogenic Ammonium Transporters (AMTs). <b>2016</b> , 7, 352	28
1103	Identification and Network-Enabled Characterization of Auxin Response Factor Genes in. <b>2016</b> , 7, 1857	9
1102	Identification of imine reductase-specific sequence motifs. <b>2016</b> , 84, 600-10	25
1101	Sampling diverse characters improves phylogenies: Craniodental and postcranial characters of vertebrates often imply different trees. <b>2016</b> , 70, 666-86	21
1100	Wheat leaf lipids during heat stress: II. Lipids experiencing coordinated metabolism are detected by analysis of lipid co-occurrence. <b>2016</b> , 39, 608-17	43
1099	Genetic and root phenotype diversity in Sri Lankan rice landraces may be related to drought resistance. <b>2016</b> , 9, 24	3

1098	Human population history revealed by a supertree approach. <b>2016</b> , 6, 29890		19
1097	Pado, a fluorescent protein with proton channel activity can optically monitor membrane potential, intracellular pH, and map gap junctions. <b>2016</b> , 6, 23865		28
1096	Characterizing the population structure and genetic diversity of maize breeding germplasm in Southwest China using genome-wide SNP markers. <b>2016</b> , 17, 697		54
1095	Global map of oxytocin/vasopressin-like neuropeptide signalling in insects. <b>2016</b> , 6, 39177		30
1094	Dental Data Perform Relatively Poorly in Reconstructing Mammal Phylogenies: Morphological Partitions Evaluated with Molecular Benchmarks. <i>Systematic Biology</i> , <b>2017</b> , 66, 813-822	8.4	27
1093	Presence of atypical porcine pestivirus (APPV) genomes in newborn piglets correlates with congenital tremor. <b>2016</b> , 6, 27735		89
1092	Genomic signatures of <i>Mannheimia haemolytica</i> that associate with the lungs of cattle with respiratory disease, an integrative conjugative element, and antibiotic resistance genes. <b>2016</b> , 17, 982		33
1091	Toward the next step in G protein-coupled receptor research: a knowledge-driven analysis for the next potential targets in drug discovery. <b>2016</b> , 17, 111-133		4
1090	A molecular phylogeny of the <i>Laelia</i> alliance (Orchidaceae) and a reassessment of <i>Laelia</i> and <i>Schomburgkia</i> . <b>2016</b> , 65, 1249-1262		9
1089	Common Structural Core of Three-Dozen Residues Reveals Intersuperfamily Relationships. <b>2016</b> , 33, 1697-710		8
1088	Decoupled genomic elements and the evolution of partner quality in nitrogen-fixing rhizobia. <b>2016</b> , 6, 1317-27		9
1087	The main nitrate transporter of the dinoflagellate <i>Lingulodinium polyedrum</i> is constitutively expressed and not responsible for daily variations in nitrate uptake rates. <b>2016</b> , 55, 272-281		8
1086	Evolutionary Changes on the Way to Clathrin-Mediated Endocytosis in Animals. <b>2016</b> , 8, 588-606		17
1085	Population genomics of local adaptation versus speciation in coral reef fishes ( <i>Hypoplectrus</i> spp, Serranidae). <b>2016</b> , 6, 2109-24		24
1084	<i>Rotylenchus sardashtensis</i> n. sp., a monosexual species from Iran, with molecular identification and detailed morphological observations on an Iranian population of <i>Rotylenchus cypriensis</i> Antoniou, 1980 (Nematoda: Rhabditida: Hoplolaimidae). <b>2016</b> , 93, 395-411		2
1083	Interactive tree of life (iTOL) v3: an online tool for the display and annotation of phylogenetic and other trees. <b>2016</b> , 44, W242-5		3172
1082	Population-Scale Sequencing Data Enable Precise Estimates of Y-STR Mutation Rates. <b>2016</b> , 98, 919-933		48
1081	Sequential Acquisition of Virulence and Fluoroquinolone Resistance Has Shaped the Evolution of <i>Escherichia coli</i> ST131. <b>2016</b> , 7, e00347-16		121

1080	Genomic variation among populations of threatened coral: <i>Acropora cervicornis</i> . <b>2016</b> , 17, 286	47
1079	TriLoNet: Piecing Together Small Networks to Reconstruct Reticulate Evolutionary Histories. <b>2016</b> , 33, 2151-62	12
1078	Presence of a carboxy-terminal pseudorepeat and disease-like pseudohyperphosphorylation critically influence tau's interaction with microtubules in axon-like processes. <b>2016</b> , 27, 3537-3549	35
1077	Incomplete Lineage Sorting in Mammalian Phylogenomics. <i>Systematic Biology</i> , <b>2017</b> , 66, 112-120	8.4 63
1076	Hierarchical Phylogeographic Structure of Coho Salmon in California. <b>2016</b> , 145, 1122-1138	4
1075	Recent independent emergence of multiple multidrug-resistant <i>Serratia marcescens</i> clones within the United Kingdom and Ireland. <b>2016</b> , 26, 1101-9	47
1074	Genomic Comparison of <i>Campylobacter</i> spp. and Their Potential for Zoonotic Transmission between Birds, Primates, and Livestock. <b>2016</b> , 82, 7165-7175	51
1073	The whole genome sequence of the Mediterranean fruit fly, <i>Ceratitis capitata</i> (Wiedemann), reveals insights into the biology and adaptive evolution of a highly invasive pest species. <b>2016</b> , 17, 192	90
1072	CAZyme content of <i>Pochonia chlamydsporia</i> reflects that chitin and chitosan modification are involved in nematode parasitism. <b>2016</b> , 18, 4200-4215	26
1071	Software-based analysis of bacteriophage genomes, physical ends, and packaging strategies. <b>2016</b> , 17, 679	48
1070	Possible healthcare-associated transmission as a cause of secondary infection and population structure of <i>Staphylococcus aureus</i> isolates from two wound treatment centres in Ghana. <b>2016</b> , 13, 92-101	16
1069	Soil type determines the distribution of nutrient mobilizing bacterial communities in the rhizosphere of beech trees. <b>2016</b> , 103, 429-445	25
1068	Description of <i>Ektaphelenchus berbericus</i> n. sp. (Rhabditida: Ektaphelenchinae) from eastern Iran. <b>2016</b> , 18, 1063-1077	13
1067	Genome-wide survey and phylogeny of S-Ribosylhomocysteinase (LuxS) enzyme in bacterial genomes. <b>2016</b> , 17, 742	11
1066	Di-iron RICs: Players in Nitrosative-oxidative Stress Defences. <b>2016</b> , 989-996	
1065	Description of <i>Lelenchus brevislitis</i> n. sp. (Nematoda: Tylenchidae), an example of a cryptic species from Iran and its phylogenetic relationships with other species in the family. <b>2016</b> , 18, 987-998	14
1064	The Trichoptera barcode initiative: a strategy for generating a species-level Tree of Life. <b>2016</b> , 371,	49
1063	Uncovering Earth's virome. <b>2016</b> , 536, 425-30	551

1062	Origin of year-long bean ( <i>Phaseolus dumosus</i> Macfady, Fabaceae) from reticulated hybridization events between multiple <i>Phaseolus</i> species. <b>2016</b> , 118, 957-969		9
1061	Choosing one name for pleomorphic fungi: The example of <i>Aspergillus</i> versus <i>Eurotium</i> , <i>Neosartorya</i> and <i>Emericella</i> . <b>2016</b> , 65, 593-601		12
1060	Ancestral Gene Flow and Parallel Organellar Genome Capture Result in Extreme Phylogenomic Discord in a Lineage of Angiosperms. <i>Systematic Biology</i> , <b>2017</b> , 66, 320-337	8.4	65
1059	Description of two new species of <i>Seinura</i> Fuchs, 1931 (Nematoda: Aphelenchoididae) from Iran. <b>2016</b> , 4168, 541-556		8
1058	Our Antelope Heritage ¶Why the Fuss?. <b>2016</b> , 1-10		2
1057	Basidiomycete yeasts in the cortex of ascomycete macrolichens. <b>2016</b> , 353, 488-92		288
1056	Dated phylogeny and biogeography of the Eurasian <i>Allium</i> section <i>Rhizirideum</i> (Amaryllidaceae). <b>2016</b> , 302, 1311-1328		14
1055	Phylogeny of the Rosidae: A dense taxon sampling analysis. <b>2016</b> , 54, 363-391		71
1054	Concurrence of Iridovirus, Polyomavirus, and a Unique Member of a New Group of Fish Papillomaviruses in Lymphocystis Disease-Affected Gilthead Sea Bream. <b>2016</b> , 90, 8768-79		58
1053	Heparin binding preference and structures in the fibroblast growth factor family parallel their evolutionary diversification. <b>2016</b> , 6,		36
1052	Fungal lytic polysaccharide monooxygenases bind starch and ¶cyclodextrin similarly to amylolytic hydrolases. <b>2016</b> , 590, 2737-47		13
1051	Using hybridization networks to retrace the evolution of Indo-European languages. <b>2016</b> , 16, 180		5
1050	Gammaproteobacteria as essential primary symbionts in the striped shield bug, <i>Graphosoma lineatum</i> (Hemiptera: Pentatomidae). <b>2016</b> , 6, 33168		41
1049	Draft Genome Sequence of <i>Gordonia</i> sp. Strain UCD-TK1 (Phylum Actinobacteria). <b>2016</b> , 4,		2
1048	Evolution of atypical enteropathogenic <i>E. coli</i> by repeated acquisition of LEE pathogenicity island variants. <b>2016</b> , 1, 15010		48
1047	Functional Characterization of UDP-apiose Synthases from Bryophytes and Green Algae Provides Insight into the Appearance of Apiose-containing Glycans during Plant Evolution. <b>2016</b> , 291, 21434-21447		10
1046	A Transcriptome-based Perspective of Cell Cycle Regulation in Dinoflagellates. <b>2016</b> , 167, 610-621		8
1045	A decade of genomic history for healthcare-associated <i>Enterococcus faecium</i> in the United Kingdom and Ireland. <b>2016</b> , 26, 1388-1396		62



1044	Whole genome sequence analysis indicates recent diversification of mammal-associated <i>Campylobacter fetus</i> and implicates a genetic factor associated with H <sub>2</sub> S production. <b>2016</b> , 17, 713	13
1043	In the light of deep coalescence: revisiting trees within networks. <b>2016</b> , 17, 415	33
1042	Rice Chloroplast Genome Variation Architecture and Phylogenetic Dissection in Diverse <i>Oryza</i> Species Assessed by Whole-Genome Resequencing. <b>2016</b> , 9, 57	37
1041	Influence of Host Ecology and Behavior on <i>Campylobacter jejuni</i> Prevalence and Environmental Contamination Risk in a Synanthropic Wild Bird Species. <b>2016</b> , 82, 4811-20	27
1040	Genomic and transcriptomic analysis of the streptomycin-dependent <i>Mycobacterium tuberculosis</i> strain 18b. <b>2016</b> , 17, 190	16
1039	Comparative genome-wide analysis and evolutionary history of haemoglobin-processing and haem detoxification enzymes in malarial parasites. <b>2016</b> , 15, 51	7
1038	The ROS Wheel: Refining ROS Transcriptional Footprints. <b>2016</b> , 171, 1720-33	92
1037	Evolution of hepatitis C virus in HIV coinfecting patients under antiretroviral therapy. <b>2016</b> , 43, 186-96	1
1036	Are There Rab GTPases in Archaea?. <b>2016</b> , 33, 1833-42	18
1035	Evolview v2: an online visualization and management tool for customized and annotated phylogenetic trees. <b>2016</b> , 44, W236-41	331
1034	Transcriptome sequences spanning key developmental states as a resource for the study of the cestode <i>Schistocephalus solidus</i> , a threespine stickleback parasite. <b>2016</b> , 5, 24	32
1033	Rab32 and Rab38 genes in chordate pigmentation: an evolutionary perspective. <b>2016</b> , 16, 26	15
1032	The expansion of heterochromatin blocks in rye reflects the co-amplification of tandem repeats and adjacent transposable elements. <b>2016</b> , 17, 337	25
1031	Filtering large-scale event collections using a combination of supervised and unsupervised learning for event trigger classification. <b>2016</b> , 7, 27	0
1030	Combined genetic and bioactivity-based prioritization leads to the isolation of an endophyte-derived antimycobacterial compound. <b>2016</b> , 120, 1229-39	11
1029	The role of defensive ecological interactions in the evolution of conotoxins. <b>2016</b> , 25, 598-615	36
1028	How many native <i>Cerithium</i> species in the Mediterranean Sea? An integrative taxonomic approach. <b>2016</b> , 82, 292-304	5
1027	Phylogeny of <i>Allium</i> L. subgenus <i>Anguinum</i> (G. Don. ex W.D.J. Koch) N. Friesen (Amaryllidaceae). <b>2016</b> , 95, 79-93	40

1026	ETE 3: Reconstruction, Analysis, and Visualization of Phylogenomic Data. <b>2016</b> , 33, 1635-8	898
1025	Assembly and clustering of natural antibiotics guides target identification. <b>2016</b> , 12, 233-9	65
1024	Genome Content and Phylogenomics Reveal both Ancestral and Lateral Evolutionary Pathways in Plant-Pathogenic <i>Streptomyces</i> Species. <b>2016</b> , 82, 2146-2155	18
1023	Structures of aminoarabinose transferase ArnT suggest a molecular basis for lipid A glycosylation. <b>2016</b> , 351, 608-12	70
1022	Genomic Analysis of <i>Salmonella enterica</i> Serovar Typhimurium Characterizes Strain Diversity for Recent U.S. Salmonellosis Cases and Identifies Mutations Linked to Loss of Fitness under Nitrosative and Oxidative Stress. <b>2016</b> , 7, e00154	15
1021	Frequent presence of hepaci and pegiviruses in commercial equine serum pools. <b>2016</b> , 182, 8-14	31
1020	Comparison of Whole-Genome Sequencing and Molecular-Epidemiological Techniques for <i>Clostridium difficile</i> Strain Typing. <b>2016</b> , 5, 329-32	10
1019	Structure-Function Analysis of a Mixed-linkage $\alpha$ -Glucanase/Xyloglucanase from the Key Ruminant Bacteroidetes <i>Prevotella bryantii</i> B(1)4. <b>2016</b> , 291, 1175-97	29
1018	Parallel evolution of the summer steelhead ecotype in multiple populations from Oregon and Northern California. <b>2016</b> , 17, 165-175	11
1017	EPSPS gene amplification in glyphosate-resistant <i>Bromus diandrus</i> . <b>2016</b> , 72, 81-8	63
1016	Molecular phylogenetic reconstruction and taxonomic investigation of eelpouts (Cottoidei: Zoarcales) based on Co-1 and Cyt-b mitochondrial genes. <b>2017</b> , 28, 547-557	5
1015	Molecular systematics and DNA barcoding of Altai osmans, <i>oreoleuciscus</i> (pisces, cyprinidae, and leuciscinae), and their nearest relatives, inferred from sequences of cytochrome b (Cyt-b), cytochrome oxidase c (Co-1), and complete mitochondrial genome. <b>2017</b> , 28, 502-517	8
1014	Reconstructing Phylogenetic Level-1 Networks from Nondense Binet and Trinet Sets. <b>2017</b> , 77, 173-200	19
1013	Biogenesis and Metabolic Maintenance of Rubisco. <b>2017</b> , 68, 29-60	126
1012	The NMR solution structure and function of RPA3313: a putative ribosomal transport protein from <i>Rhodopseudomonas palustris</i> . <b>2017</b> , 85, 93-102	1
1011	G-quadruplex structures within the 3' UTR of LINE-1 elements stimulate retrotransposition. <b>2017</b> , 24, 243-247	41
1010	Additional data on Iranian trichodorids (Triplonchida: Trichodoridae) and first record of a rare species, <i>Trichodorus variabilis</i> Roca, 1998. <b>2017</b> , 19, 121-129	20
1009	Development of a human vasopressin V-receptor antagonist from an evolutionary-related insect neuropeptide. <b>2017</b> , 7, 41002	28

1008	EspL is a bacterial cysteine protease effector that cleaves RHIM proteins to block necroptosis and inflammation. <b>2017</b> , 2, 16258	100
1007	Selective Whole-Genome Amplification Is a Robust Method That Enables Scalable Whole-Genome Sequencing of <i>Plasmodium vivax</i> from Unprocessed Clinical Samples. <b>2017</b> , 8,	36
1006	AoS28D, a proline-Xaa carboxypeptidase secreted by <i>Aspergillus oryzae</i> . <b>2017</b> , 101, 4129-4137	6
1005	The evolution of regulators of G protein signalling proteins as drug targets - 20 years in the making: IUPHAR Review 21. <b>2017</b> , 174, 427-437	26
1004	Comprehensive resistome analysis reveals the prevalence of NDM and MCR-1 in Chinese poultry production. <b>2017</b> , 2, 16260	240
1003	Genomic attributes of extended-spectrum $\beta$ -lactamase-producing <i>Escherichia coli</i> isolated from patients in Lebanon. <b>2017</b> , 12, 213-226	8
1002	Sweet vernal grasses ( <i>Anthoxanthum</i> ) colonized African mountains along two fronts in the Late Pliocene, followed by secondary contact, polyploidization and local extinction in the Pleistocene. <b>2017</b> , 26, 3513-3532	6
1001	A Locus Encoding Variable Defense Systems against Invading DNA Identified in <i>Streptococcus suis</i> . <b>2017</b> , 9, 1000-1012	14
1000	IcyTree: rapid browser-based visualization for phylogenetic trees and networks. <b>2017</b> , 33, 2392-2394	51
999	The Emergence, Evolution, and Diversification of the miR390-- Pathway in Land Plants. <b>2017</b> , 29, 1232-1247	96
998	North-west Africa as a source and refuge area of plant biodiversity: a case study on <i>Campanula kremeri</i> and <i>Campanula occidentalis</i> . <b>2017</b> , 44, 2057-2068	13
997	Strong spatial-genetic congruence between a wood-feeding cockroach and its bacterial endosymbiont, across a topographically complex landscape. <b>2017</b> , 44, 1500-1511	14
996	Genomic landscape of extended-spectrum $\beta$ -lactamase resistance in <i>Escherichia coli</i> from an urban African setting. <b>2017</b> , 72, 1602-1609	27
995	Morphotype of bacteroids in different legumes correlates with the number and type of symbiotic NCR peptides. <b>2017</b> , 114, 5041-5046	79
994	Genetic variation architecture of mitochondrial genome reveals the differentiation in Korean landrace and weedy rice. <b>2017</b> , 7, 43327	7
993	Description of a new species of seed-gall nematode, <i>Anguina obesa</i> n. sp. (Nematoda: Anguinidae) from northern Iran, and its phylogenetic relations with other species and genera. <b>2017</b> , 148, 423-434	6
992	A permutation approach for inferring species networks from gene trees in polyploid complexes by minimising deep coalescences. <b>2017</b> , 8, 835-849	12
991	Structural insights into a family 39 glycoside hydrolase from the gut symbiont <i>Bacteroides cellulosilyticus</i> WH2. <b>2017</b> , 197, 227-235	5

990	Millions of Boreal Shield Lakes can be used to Probe Archaean Ocean Biogeochemistry. <b>2017</b> , 7, 46708	21
989	The mitogenome phylogeny of Adephaga (Coleoptera). <b>2017</b> , 114, 166-174	49
988	Microbial network, phylogenetic diversity and community membership in the active layer across a permafrost thaw gradient. <b>2017</b> , 19, 3201-3218	52
987	Evolution and regulation of <i>Bigeloviella natans</i> light-harvesting antenna system. <b>2017</b> , 217, 68-76	8
986	An Atlas of $\beta$ -Glucuronidases in the Human Intestinal Microbiome. <b>2017</b> , 25, 967-977.e5	87
985	Phylogenetic Systematics of Cochlospermaceae (Malvales) Based on Molecular and Morphological Evidence. <b>2017</b> , 42, 271-282	7
984	Characterization of autonomous families of Tc1/mariner transposons in neoteleost genomes. <b>2017</b> , 34, 67-77	12
983	Deep reticulation and incomplete lineage sorting obscure the diploid phylogeny of rain-lilies and allies (Amaryllidaceae tribe Hippeastreae). <b>2017</b> , 111, 231-247	40
982	A new promising phylogenetic marker to study the diversity of fungal communities: The Glycoside Hydrolase 63 gene. <b>2017</b> , 17, e1-e11	13
981	Global pattern of plant utilization across different organisms: Does plant apparency or plant phylogeny matter?. <b>2017</b> , 7, 2535-2545	9
980	Sex and diversity: The mutualistic and parasitic fungi of a fungus-growing termite differ in genetic diversity and reproductive strategy. <b>2017</b> , 26, 20-27	5
979	The evolution of function within the Nudix homology clan. <b>2017</b> , 85, 775-811	33
978	Discovery of $\beta$ -arabinopyranosidases from human gut microbiome expands the diversity within glycoside hydrolase family 42. <b>2017</b> , 292, 21092-21101	6
977	Variation in Microsatellite Loci Reveals a Natural Boundary of Genetic Differentiation among <i>Pyrus betulaefolia</i> Populations in Northern China. <b>2017</b> , 142, 319-329	2
976	PhyloNetworks: A Package for Phylogenetic Networks. <b>2017</b> , 34, 3292-3298	118
975	Aerobic carbon monoxide oxidation in the course of growth of a hyperthermophilic archaeon, <i>Sulfolobus</i> sp. ETSY. <b>2017</b> , 86, 539-548	5
974	A functional zeaxanthin epoxidase from red algae shedding light on the evolution of light-harvesting carotenoids and the xanthophyll cycle in photosynthetic eukaryotes. <b>2017</b> , 92, 879-891	27
973	Typing and comparative genome analysis of <i>Brucella melitensis</i> isolated from Lebanon. <b>2017</b> , 364,	6

972	Tree roots select specific bacterial communities in the subsurface critical zone. <b>2017</b> , 115, 109-123	11
971	Predicting synonymous codon usage and optimizing the heterologous gene for expression in <i>E. coli</i> . <b>2017</b> , 7, 9926	21
970	Phylogenetics of Allopolyploids. <b>2017</b> , 48, 543-557	21
969	Homeodomain-like DNA binding proteins control the haploid-to-diploid transition in. <b>2017</b> , 3, e1602937	14
968	Is there sufficient and species diversity in UK farmland soils to support red clover ( <i>Trifolium pratense</i> ), white clover ( <i>Trifolium repens</i> ), lucerne ( <i>Medicago sativa</i> ) and black medic ( <i>Medicago lupulina</i> )?. <b>2017</b> , 120, 35-43	6
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966	Whole Genome Sequencing of Mycobacterium tuberculosis Isolates From Extrapulmonary Sites. <b>2017</b> , 21, 413-425	8
965	Genetic Divergence and Phylogenetic Relationships Among Indonesian Species of Monitor Lizards of the Genus <i>Varanus</i> Based on Cytochrome Oxidase I Sequences. <b>2017</b> , 24, 41-45	6
964	Worldwide translocation of teak origin of landraces and present genetic base. <b>2017</b> , 13, 1	12
963	Nontargeted virus sequence discovery pipeline and virus clustering for metagenomic data. <b>2017</b> , 12, 1673-1682	71
962	Evolution of sex-dependent mtDNA transmission in freshwater mussels (Bivalvia: Unionida). <b>2017</b> , 7, 1551	29
961	Diversity of <i>Spirocerca lupi</i> in domestic dogs and black-backed jackals ( <i>Canis mesomelas</i> ) from South Africa. <b>2017</b> , 244, 59-63	7
960	Genetic Diversity and Population Structure in the Landrace Accessions of <i>Gossypium hirsutum</i> . <b>2017</b> , 57, 2457-2470	8
959	Six-Rowed Spike3 (VRS3) Is a Histone Demethylase That Controls Lateral Spikelet Development in Barley. <b>2017</b> , 174, 2397-2408	41
958	Single nucleotide polymorphism-based multiplex PCR for identification and genotyping of the oomycete <i>Pythium insidiosum</i> from humans, animals and the environment. <b>2017</b> , 54, 429-436	23
957	Biocomputational identification and validation of novel microRNAs predicted from bubaline whole genome shotgun sequences. <b>2017</b> , 70, 96-106	3
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955	Potential Causative Mutation for Melanism in Rats Identified in the Agouti Signaling Protein Gene ( <i>Asip</i> ) of the <i>Rattus rattus</i> Species Complex on Okinawa Island, Japan. <b>2017</b> , 34, 513-522	2

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953	Underestimated regional species diversity in the Cape Floristic Region revealed by phylogenetic analysis of the <i>Erica abietina</i> / <i>E. viscaria</i> clade (Ericaceae). <b>2017</b> , 184, 185-203	7
952	Genomic Epidemiology of NDM-1-Encoding Plasmids in Latin American Clinical Isolates Reveals Insights into the Evolution of Multidrug Resistance. <b>2017</b> , 9, 1725-1741	35
951	The Two Cryptochrome/Photolyase Family Proteins Fulfill Distinct Roles in DNA Photorepair and Regulation of Conidiation in the Gray Mold Fungus <i>Botrytis cinerea</i> . <b>2017</b> , 83,	25
950	A Critical Review on the Use of Support Values in Tree Viewers and Bioinformatics Toolkits. <b>2017</b> , 34, 1535-1542	13
949	Mechanism of pathogen recognition by human dectin-2. <b>2017</b> , 292, 13402-13414	46
948	<i>Ixora</i> (Rubiaceae) on the Philippines - crossroad or cradle?. <b>2017</b> , 17, 131	1
947	A program to compute the soft Robinson-Foulds distance between phylogenetic networks. <b>2017</b> , 18, 111	6
946	Analysis of triglyceride synthesis unveils a green algal soluble diacylglycerol acyltransferase and provides clues to potential enzymatic components of the chloroplast pathway. <b>2017</b> , 18, 223	14
945	A universal genome sequencing method for rotavirus A from human fecal samples which identifies segment reassortment and multi-genotype mixed infection. <b>2017</b> , 18, 324	8
944	No evidence for a bovine mastitis <i>Escherichia coli</i> pathotype. <b>2017</b> , 18, 359	26
943	OrthoFiller: utilising data from multiple species to improve the completeness of genome annotations. <b>2017</b> , 18, 390	11
942	Unexpected complexity in the lactate racemization system of lactic acid bacteria. <b>2017</b> , 41, S71-S83	14
941	Systematic revision of the widespread species <i>Sarcodia ceylanica</i> (Sarcodiaceae, Rhodophyta) in the Indo-Pacific Oceans, including <i>S. suaie</i> sp. nov.. <b>2017</b> , 56, 63-76	6
940	Intraindividual genomic heterogeneity of high-grade serous carcinoma of the ovary and clinical utility of ascitic cancer cells for mutation profiling. <b>2017</b> , 241, 57-66	27
939	ggtree: an r package for visualization and annotation of phylogenetic trees with their covariates and other associated data. <b>2017</b> , 8, 28-36	1399
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937	PYK10 myrosinase reveals a functional coordination between endoplasmic reticulum bodies and glucosinolates in <i>Arabidopsis thaliana</i> . <b>2017</b> , 89, 204-220	72

936	Molecular phylogenies challenge the classification of Polymastiidae (Porifera, Demospongiae) based on morphology. <b>2017</b> , 17, 45-66	10
935	Atlas of human diseases influenced by genetic variants with extreme allele frequency differences. <b>2017</b> , 136, 39-54	8
934	STRIDE: Species Tree Root Inference from Gene Duplication Events. <b>2017</b> , 34, 3267-3278	74
933	The occurrence of three species of the genus <i>Oscheius</i> Andr�s, 1976 (Nematoda: Rhabditida) in Iran. <b>2017</b> , 57, 248-255	6
932	Structured Populations of <i>Sulfolobus acidocaldarius</i> with Susceptibility to Mobile Genetic Elements. <b>2017</b> , 9, 1699-1710	14
931	Simulation-Based Evaluation of Hybridization Network Reconstruction Methods in the Presence of Incomplete Lineage Sorting. <b>2017</b> , 13, 1176934317691935	9
930	VCFtoTree: a user-friendly tool to construct locus-specific alignments and phylogenies from thousands of anthropologically relevant genome sequences. <b>2017</b> , 18, 426	9
929	Draft Genome Sequence of Strain UCD-PD2 Isolated from a Feline Anal Sac. <b>2017</b> , 5,	3
928	Fates of angiosperm species following long-distance dispersal: Examples from American amphitropical Polemoniaceae. <b>2017</b> , 104, 1729-1744	7
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926	Phylogenomic Analysis and Dynamic Evolution of Chloroplast Genomes in Salicaceae. <b>2017</b> , 8, 1050	19
925	PhyloGeoTool: interactively exploring large phylogenies in an epidemiological context. <b>2017</b> , 33, 3993-3995	13
924	Evolutionary Conservation of the Components in the TOR Signaling Pathways. <b>2017</b> , 7,	58
923	Genomic Characteristics of Pig Isolates and Wild Boar Isolates Reveal the Unique Presence of a Putative Mobile Genetic Element with for Pig Farm Isolates. <b>2017</b> , 8, 1540	6
922	Overview on the Biochemical Potential of Filamentous Fungi to Degrade Pharmaceutical Compounds. <b>2017</b> , 8, 1792	82
921	Differential Ecological Specificity of Protist and Bacterial Microbiomes across a Set of Termite Species. <b>2017</b> , 8, 2518	17
920	Rubisco Activases: AAA+ Chaperones Adapted to Enzyme Repair. <b>2017</b> , 4, 20	38
919	Phylogenetic Diversity in Core Region of Hepatitis C Virus Genotype 1a as a Factor Associated with Fibrosis Severity in HIV-1-Coinfected Patients. <b>2017</b> , 2017, 1728456	2

918	Genomic diversity within the haloalkaliphilic genus Thioalkalivibrio. <b>2017</b> , 12, e0173517	24
917	Uncovering missing pieces: duplication and deletion history of arrestins in deuterostomes. <b>2017</b> , 17, 163	27
916	Evaluating allopolyploid origins in strawberries ( <i>Fragaria</i> ) using haplotypes generated from target capture sequencing. <b>2017</b> , 17, 180	47
915	A history of hybrids? Genomic patterns of introgression in the True Geese. <b>2017</b> , 17, 201	27
914	Administration of two probiotic strains during early childhood does not affect the endogenous gut microbiota composition despite probiotic proliferation. <b>2017</b> , 17, 175	37
913	Asymptomatic infections with highly polymorphic <i>Chlamydia suis</i> are ubiquitous in pigs. <b>2017</b> , 13, 370	9
912	Evolutionary loss of melanogenesis in the tunicate. <b>2017</b> , 8, 11	12
911	<i>Mycoplasma genitalium</i> : whole genome sequence analysis, recombination and population structure. <b>2017</b> , 18, 993	22
910	Whole genome sequencing for the molecular characterization of carbapenem-resistant <i>Klebsiella pneumoniae</i> strains isolated at the Italian ASST Fatebenefratelli Sacco Hospital, 2012-2014. <b>2017</b> , 17, 666	22
909	Evolutionary Thrift: Mycobacteria Repurpose Plasmid Diversity during Adaptation of Type VII Secretion Systems. <b>2017</b> , 9, 398-413	24
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907	Draft Genome Sequence of sp. Strain UCD-GKA (Phylum ). <b>2017</b> , 5,	1
906	Intrachromosomal karyotype asymmetry in Orchidaceae. <b>2017</b> , 40, 610-619	5
905	Autumn Algorithm-Computation of Hybridization Networks for Realistic Phylogenetic Trees. <b>2018</b> , 15, 398-410	9
904	Inferring Phylogenetic Networks Using PhyloNet. <i>Systematic Biology</i> , <b>2018</b> , 67, 735-740	8.4 129
903	Phylogenetic diversity and biodiversity indices on phylogenetic networks. <b>2018</b> , 298, 80-90	2
902	A genome-wide characterization of copy number variations in native populations of Peninsular Malaysia. <b>2018</b> , 26, 886-897	6
901	Comparative analysis of core genome MLST and SNP typing within a European <i>Salmonella</i> serovar Enteritidis outbreak. <b>2018</b> , 274, 1-11	75



900	Metagenomic binning reveals the functional roles of core abundant microorganisms in twelve full-scale biogas plants. <b>2018</b> , 140, 123-134	83
899	Successive duplication-divergence mechanisms at the locus contributed to leaf shape diversity in the Brassicaceae. <b>2018</b> , 145,	6
898	Horizontal transfer of retrotransposons between bivalves and other aquatic species of multiple phyla. <b>2018</b> , 115, E4227-E4235	28
897	Analysis of DNAs associated with coconut foliar decay disease implicates a unique single-stranded DNA virus representing a new taxon. <b>2018</b> , 8, 5698	14
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895	Morphological and molecular characterisation of <i>Aphelenchoides primadentus</i> n. sp. (Nematoda: Aphelenchoididae) from northern Iran. <b>2018</b> , 20, 97-109	8
894	What are palm groves of Phoenix? Conservation of Phoenix palm groves in the European Union. <b>2018</b> , 27, 1905-1924	8
893	The Role of Ceramide Synthases in the Pathogenicity of <i>Cryptococcus neoformans</i> . <b>2018</b> , 22, 1392-1400	26
892	Alterations in wheat pollen lipidome during high day and night temperature stress. <b>2018</b> , 41, 1749-1761	40
891	Lytic xylan oxidases from wood-decay fungi unlock biomass degradation. <b>2018</b> , 14, 306-310	183
890	Adaptation of commensal proliferating to the intestinal tract of young children with cystic fibrosis. <b>2018</b> , 115, 1605-1610	17
889	Phylogenetic and Protein Sequence Analysis of Bacterial Chemoreceptors. <b>2018</b> , 1729, 373-385	2
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887	Bioinformatic Analysis Reveals Conservation of Intrinsic Disorder in the Linker Sequences of Prokaryotic Dual-family Immunophilin Chaperones. <b>2018</b> , 16, 6-14	3
886	First record of the genus <i>Sakia</i> Khan, 1964 (Nematoda: Tylenchidae) from Iran, with proposal of <i>Sakia arboris</i> n. sp.. <b>2018</b> , 20, 449-460	3
885	Uncovering the molecular mechanisms of lignocellulose digestion in shipworms. <b>2018</b> , 11, 59	23
884	Phylogeny and Evolution of the Neotropical Radiation of <i>Lachemilla</i> (Rosaceae): Uncovering a History of Reticulate Evolution and Implications for Infrageneric Classification. <b>2018</b> , 43, 17-34	21
883	Multi-locus phylogenetics, lineage sorting, and reticulation in <i>Pinus</i> subsection <i>Australes</i> . <b>2018</b> , 105, 711-725	35

882	Improving the annotation of the <i>Heterorhabditis bacteriophora</i> genome. <b>2018</b> , 7,	8
881	Stable Isotope Probing for Microbial Iron Reduction in Chocolate Pots Hot Spring, Yellowstone National Park. <b>2018</b> , 84,	18
880	Frequent infection of wild boar with atypical porcine pestivirus (APPV). <b>2018</b> , 65, 1087-1093	31
879	Metabolism of Oxo-Bile Acids and Characterization of Recombinant 12 $\beta$ -Hydroxysteroid Dehydrogenases from Bile Acid 7 $\beta$ -Dehydroxylating Human Gut Bacteria. <b>2018</b> , 84,	34
878	Adaptive evolution during the establishment of European avian-like H1N1 influenza A virus in swine. <b>2018</b> , 11, 534-546	7
877	Comparative analysis of <i>Campylobacter</i> isolates from wild birds and chickens using MALDI-TOF MS, biochemical testing, and DNA sequencing. <b>2018</b> , 30, 354-361	15
876	The modules of trans-acyltransferase assembly lines redefined with a central acyl carrier protein. <b>2018</b> , 86, 664-675	29
875	Targeted resequencing reveals genomic signatures of barley domestication. <b>2018</b> , 218, 1247-1259	48
874	The origin of king crabs: hermit crab ancestry under the magnifying glass. <b>2018</b> , 182, 300-318	14
873	Genome structure of <i>Rosa multiflora</i> , a wild ancestor of cultivated roses. <b>2018</b> , 25, 113-121	50
872	Know your farmer: Ancient origins and multiple independent domestications of ambrosia beetle fungal cultivars. <b>2018</b> , 27, 2077-2094	48
871	Ferritin is secreted via 2 distinct nonclassical vesicular pathways. <b>2018</b> , 131, 342-352	80
870	Diverse Peptide Hormones Affecting Root Growth Identified in the Secreted Peptidome. <b>2018</b> , 17, 160-174	37
869	Fungal communities associated with species of <i>Fraxinus</i> tolerant to ash dieback, and their potential for biological control. <b>2018</b> , 122, 110-120	25
868	Analysis of sequence divergence in redbfin ( <i>Cypriniformes</i> , <i>Cyprinidae</i> , <i>Tribolodon</i> ) based on mtDNA and nDNA markers with inferences in systematics and genetics of speciation. <b>2018</b> , 29, 975-992	1
867	Metagenomics-guided analysis of microbial chemolithoautotrophic phosphite oxidation yields evidence of a seventh natural CO fixation pathway. <b>2018</b> , 115, E92-E101	61
866	The Brassicaceae Family Displays Divergent, Shoot-Skewed NLR Resistance Gene Expression. <b>2018</b> , 176, 1598-1609	15
865	New genetic identification and characterisation of 12 Algerian sheep breeds by microsatellite markers. <b>2018</b> , 17, 38-48	11

864	Epidemiology, diagnosis and control of classical swine fever: Recent developments and future challenges. <b>2018</b> , 65 Suppl 1, 248-261	54
863	Constructing the Relationship Tree of All Viruses via Whole Genomic Sequences. <b>2018</b> ,	
862	Tardigrade Biogeography. <b>2018</b> , 115-129	3
861	The Phylogenomic Diversity of Herbivore-Associated spp. Is Correlated to Lignocellulose-Degrading Potential. <b>2018</b> , 3,	18
860	Taxonomy and Natural History of Cattail Aphids, <i>Rhopalosiphum enigmae</i> (Hemiptera: Aphidomorpha: Aphididae), Including a New Synonymy and Notes on Ant and Parasitoid Associates of <i>Rhopalosiphum</i> . <b>2018</b> , 2,	2
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858	The 2.1 $\beta$ structure of protein F9 and its comparison to L1, two components of the conserved poxvirus entry-fusion complex. <b>2018</b> , 8, 16807	7
857	Identification of an apiosyltransferase in the plant pathogen <i>Xanthomonas pisi</i> . <b>2018</b> , 13, e0206187	1
856	V2-Directed Vaccine-like Antibodies from HIV-1 Infection Identify an Additional K169-Binding Light Chain Motif with Broad ADCC Activity. <b>2018</b> , 25, 3123-3135.e6	17
855	An expanded molecular phylogeny of Plumbaginaceae, with emphasis on (sea lavenders): Taxonomic implications and biogeographic considerations. <b>2018</b> , 8, 12397-12424	22
854	The Paralogous Genes and , Encoding Multidrug Resistance ABC Transporters, Derive From a Recent Duplication Event, Being Specific to the Genus. <b>2018</b> , 9, 476	10
853	Safety of the fungal workhorses of industrial biotechnology: update on the mycotoxin and secondary metabolite potential of <i>Aspergillus niger</i> , <i>Aspergillus oryzae</i> , and <i>Trichoderma reesei</i> . <b>2018</b> , 102, 9481-9515	92
852	Molecular dynamics and structure function analysis show that substrate binding and specificity are major forces in the functional diversification of Eqlisins. <b>2018</b> , 19, 338	1
851	Look and Outlook on Enzyme-Mediated Macrolide Resistance. <b>2018</b> , 9, 1942	33
850	Genomic evolution of <i>Staphylococcus aureus</i> isolates colonizing the nares and progressing to bacteremia. <b>2018</b> , 13, e0195860	14
849	Ran GTPase, an eukaryotic gene novelty, is involved in amphioxus mitosis. <b>2018</b> , 13, e0196930	4
848	Genomic discovery of the hypsin gene and biosynthetic pathways for terpenoids in <i>Hypsizygus marmoreus</i> . <b>2018</b> , 19, 789	10
847	Firefly genomes illuminate parallel origins of bioluminescence in beetles. <b>2018</b> , 7,	64

846	acl Actinobacteria Assemble a Functional Actinorhodopsin with Natively Synthesized Retinal. <b>2018</b> , 84,	6
845	Modernized Tools for Streamlined Genetic Manipulation and Comparative Study of Wild and Diverse Proteobacterial Lineages. <b>2018</b> , 9,	36
844	Investigating the Composition and Metabolic Potential of Microbial Communities in Chocolate Pots Hot Springs. <b>2018</b> , 9, 2075	13
843	Software for Characterizing the Antigenic and Genetic Evolution of Human Influenza Viruses. <b>2018</b> , 1836, 551-565	0
842	Phylogenetic relationships in Malesian Pacific Piper (Piperaceae) and their implications for systematics. <b>2018</b> , 67, 693-724	5
841	A molecular phylogenetic approach for unravelling the taxonomic status of <i>Basilaphelenchus persicus</i> n. gen., n. sp. (Aphelenchoidea: Tylenchidae). <b>2018</b> , 20, 567-582	7
840	Comments on taxonomic status and host association of some <i>Laimaphelenchus</i> spp. (Rhabditida: Aphelenchoidea). <b>2018</b> , 20, 483-489	6
839	Biological characterization of a strain of <i>Golenkinia</i> (Chlorophyceae) with high oil and carotenoid content induced by increased salinity. <b>2018</b> , 33, 218-230	9
838	Morphological and molecular characterization of two populations of <i>Aphelenchus avenae</i> (Nematoda: Aphelenchidae) from Iran and their phylogenetic relationships. <b>2018</b> , 73, 683-691	2
837	Observations on <i>Malenchus geraerti</i> n. sp. (Rhabditida: Tylenchidae), a morphological and molecular phylogenetic study. <b>2018</b> , 4369, 406-418	10
836	Phaeoviral Infections Are Present in , and (Laminariales) and Are Influenced by Wave Exposure in Ectocarpales. <b>2018</b> , 10,	5
835	Isolation of a divergent strain of <i>Rickettsia japonica</i> from Dew's Australian bat Argasid ticks ( <i>Argas (Carios) dewae</i> ) in Victoria, Australia. <b>2018</b> , 9, 1484-1488	6
834	GrapeTree: visualization of core genomic relationships among 100,000 bacterial pathogens. <b>2018</b> , 28, 1395-1404	263
833	Grafting or pruning in the animal tree: lateral gene transfer and gene loss?. <b>2018</b> , 19, 470	11
832	Whole Cell Cross-Linking to Discover Host-Microbe Protein Cognate Receptor/Ligand Pairs. <b>2018</b> , 9, 1585	5
831	Ancient Origin of the CARD-Coiled Coil/Bcl10/MALT1-Like Paracaspase Signaling Complex Indicates Unknown Critical Functions. <b>2018</b> , 9, 1136	20
830	Interspecific Plant Interactions Reflected in Soil Bacterial Community Structure and Nitrogen Cycling in Primary Succession. <b>2018</b> , 9, 128	41
829	Hydrogen-Fueled Microbial Pathways in Biogas Upgrading Systems Revealed by Genome-Centric Metagenomics. <b>2018</b> , 9, 1079	47

828	Statistical Evaluation of Monophyly in the Broad-Nosed Weevils Through Molecular Phylogenetic Analysis Combining Mitochondrial Genome and Single-Locus Sequences (Curculionidae: Entiminae, Cyclominae, and Hyperinae). <b>2018</b> , 10, 21	4
827	In silico Phylogenetic Analysis of Transposable Elements in Plants. <b>2018</b> , 9,	4
826	Pervasive Chimerism in the Replication-Associated Proteins of Uncultured Single-Stranded DNA Viruses. <b>2018</b> , 10,	36
825	Analysis of 19 Highly Conserved Bacteriophages Isolated from Environmental and Patient Sources Over a Twelve-Year Period. <b>2018</b> , 10,	16
824	An integrative approach to discovering cryptic species within the Bemisia tabaci whitefly species complex. <b>2018</b> , 8, 10886	37
823	Characterization of the binding mode of JNK-interacting protein 1 (JIP1) to kinesin-light chain 1 (KLC1). <b>2018</b> , 293, 13946-13960	5
822	Anchored hybrid enrichment generated nuclear, plastid and mitochondrial markers resolve the Lepanthes horrida (Orchidaceae: Pleurothallidinae) species complex. <b>2018</b> , 129, 27-47	25
821	Identification of two different chemosensory pathways in representatives of the genus Halomonas. <b>2018</b> , 19, 266	10
820	Metagenomic investigation of vestimentiferan tubeworm endosymbionts from Mid-Cayman Rise reveals new insights into metabolism and diversity. <b>2018</b> , 6, 19	22
819	A new fast method for inferring multiple consensus trees using k-medoids. <b>2018</b> , 18, 48	10
818	On Unrooted and Root-Uncertain Variants of Several Well-Known Phylogenetic Network Problems. <b>2018</b> , 80, 2993-3022	7
817	Crown-of-Thorns Sea Star Acanthaster cf. solaris Has Tissue-Characteristic Microbiomes with Potential Roles in Health and Reproduction. <b>2018</b> , 84,	11
816	Genetic Spatiotemporal Anatomy of Plasmodium vivax Malaria Episodes in Greece, 2009-2013. <b>2018</b> , 24, 541-548	4
815	Comparative Genomics and Description of Putative Virulence Factors of , the Causative Agent of European Foulbrood Disease in Honey Bees. <b>2018</b> , 9,	19
814	Phylogenomics uncovers early hybridization and adaptive loci shaping the radiation of Lake Tanganyika cichlid fishes. <b>2018</b> , 9, 3159	108
813	Comparative genomics reveals phylogenetic distribution patterns of secondary metabolites in Amycolatopsis species. <b>2018</b> , 19, 426	66
812	Phenotypic characterization of SETD3 knockout Drosophila. <b>2018</b> , 13, e0201609	4
811	Molecular cloning of flavonoid biosynthetic genes and biochemical characterization of anthocyanin-methyltransferase of Hook. and Arn. <b>2018</b> , 35, 9-16	2

810	Untangling phylogenetic patterns and taxonomic confusion in tribe Caryophylleae (Caryophyllaceae) with special focus on generic boundaries. <b>2018</b> , 67, 83-112	16
809	Multi-drug resistant non-typhoidal Salmonella associated with invasive disease in western Kenya. <b>2018</b> , 12, e0006156	18
808	HMMER Cut-off Threshold Tool (HMMERCTTER): Supervised classification of superfamily protein sequences with a reliable cut-off threshold. <b>2018</b> , 13, e0193757	11
807	Molecular evolution and functional divergence of eukaryotic translation initiation factor 2-alpha kinases. <b>2018</b> , 13, e0194335	7
806	Harnessing the power of phylogenomics to disentangle the directionality and signatures of interkingdom host jumping in the parasitic fungal genus Tolypocladium. <b>2018</b> , 110, 104-117	8
805	Reconstructing the origins and the biogeography of species' genomes in the highly reticulate allopolyploid-rich model grass genus Brachypodium using minimum evolution, coalescence and maximum likelihood approaches. <b>2018</b> , 127, 256-271	20
804	Molecular and morphological characterisation of Cryptaphelenchus baujardi n. sp. (Nematoda: Ektaphelenchinae), a new species based on two populations from Iran. <b>2019</b> , 21, 45-56	3
803	Genetics and Population Analysis. <b>2019</b> , 363-378	
802	A review of metrics measuring dissimilarity for rooted phylogenetic networks. <b>2019</b> , 20, 1972-1980	4
801	Phylogenetic and Structural Analyses of Plant Endogenous Danger Signaling Molecules upon Stress. <b>2019</b> , 2019, 8683054	4
800	Large-scale mitogenomic analysis of the phylogeography of the Late Pleistocene cave bear. <b>2019</b> , 9, 10700	45
799	Advances in Visualization Tools for Phylogenomic and Phylodynamic Studies of Viral Diseases. <b>2019</b> , 7, 208	7
798	Phylogenetics. <b>2019</b> ,	
797	MARPLE, a point-of-care, strain-level disease diagnostics and surveillance tool for complex fungal pathogens. <b>2019</b> , 17, 65	27
796	Emerging challenges of whole-genome-sequencing-powered epidemiological surveillance of globally distributed clonal groups of bacterial infections, giving Acinetobacter baumannii ST195 as an example. <b>2019</b> , 309, 151339	9
795	ADGRL4/ELTD1 is a highly conserved angiogenesis-associated orphan adhesion GPCR that emerged with the first vertebrates and comprises 3 evolutionary variants. <b>2019</b> , 19, 143	5
794	Seasonal Stability and Dynamics of DNA Methylation in Plants in a Natural Environment. <b>2019</b> , 10,	11
793	An integrative study of Sakia sisanganensis n. sp. (Rhabditida: Tylenchidae) from Sisangan forest, Iran, and new morphological observations for the genus. <b>2019</b> , 49, e12536	4

792	ECF-type ABC transporters for uptake of vitamins and transition metal ions into prokaryotic cells. <b>2019</b> , 170, 358-365	11
791	Activation Dynamics and Immunoglobulin Evolution of Pre-existing and Newly Generated Human Memory B cell Responses to Influenza Hemagglutinin. <b>2019</b> , 51, 398-410.e5	56
790	Antibody Lineages with Vaccine-Induced Antigen-Binding Hotspots Develop Broad HIV Neutralization. <b>2019</b> , 178, 567-584.e19	64
789	Hiding in plain sight: New virus genomes discovered via a systematic analysis of fungal public transcriptomes. <b>2019</b> , 14, e0219207	67
788	Paired RNA Radiocarbon and Sequencing Analyses Indicate the Importance of Autotrophy in a Shallow Alluvial Aquifer. <b>2019</b> , 9, 10370	1
787	. <b>2019</b> ,	0
786	In vitro studies evaluating the activity of imipenem in combination with relebactam against <i>Pseudomonas aeruginosa</i> . <b>2019</b> , 19, 150	43
785	HoBi-like pestivirus infection in an outbreak of bovine respiratory disease. <b>2019</b> , 126, 184-191	6
784	Phylogenetic analysis provides insights into the evolution of Asian fireflies and adult bioluminescence. <b>2019</b> , 140, 106600	12
783	A microcosm approach highlights the response of soil mineral weathering bacterial communities to an increase of K and Mg availability. <b>2019</b> , 9, 14403	13
782	Zombie-Ant Fungi Emerged from Non-manipulating, Beetle-Infesting Ancestors. <b>2019</b> , 29, 3735-3738.e2	18
781	The architecture of the <i>Plasmodiophora brassicae</i> nuclear and mitochondrial genomes. <b>2019</b> , 9, 15753	6
780	Genetic characterization of a novel picornavirus in Algerian bats: co-evolution analysis of bat-related picornaviruses. <b>2019</b> , 9, 15706	2
779	Fine tuning the circumscription of <i>Fridericia</i> (Bignoniaceae, Bignoniaceae). <b>2019</b> , 68, 751-770	5
778	Occurrence of <i>Neodolichodorus persiangulfus</i> n. sp. (Nematoda: Dolichodoridae) in mangrove forests of southern Iran. <b>2019</b> , 49, e12563	3
777	Structural characterization of the RH1-LZI tandem of JIP3/4 highlights RH1 domains as a cytoskeletal motor-binding motif. <b>2019</b> , 9, 16036	11
776	Co-existence of virulence factors and antibiotic resistance in new <i>Klebsiella pneumoniae</i> clones emerging in south of Italy. <b>2019</b> , 19, 928	36
775	References. <b>2019</b> , 468-494	

774	Hidden biodiversity revealed by integrated morphology and genetic species delimitation of spring dwelling water mite species (Acari, Parasitengona: Hydrachnidia). <b>2019</b> , 12, 492	11
773	Origin and Evolution of Diploid and Allopolyploid Genomes Were Accompanied by Chromosome Shattering. <b>2019</b> , 31, 2596-2612	25
772	Genetic status of the endangered plant species <i>Gladiolus palustris</i> in the western part of its distribution area. <b>2019</b> , 20, 1339-1354	3
771	Characterization of Jasmonoyl-Isoleucine (JA-Ile) Hormonal Catabolic Pathways in Rice upon Wounding and Salt Stress. <b>2019</b> , 12, 45	18
770	A novel starch-binding laccase from the wheat pathogen <i>Zyoseptoria tritici</i> highlights the functional diversity of ascomycete laccases. <b>2019</b> , 19, 61	2
769	Applied evolution: phylogeny-based approaches in natural products research. <b>2019</b> , 36, 1295-1312	21
768	The large repertoire of conifer NLR resistance genes includes drought responsive and highly diversified RNLs. <b>2019</b> , 9, 11614	24
767	A Short-Term Assessment of Nascent HIV-1 Transmission Clusters Among Newly Diagnosed Individuals Using Envelope Sequence-Based Phylogenetic Analyses. <b>2019</b> , 35, 906-919	
766	Unraveling the functional role of the orphan solute carrier, SLC22A24 in the transport of steroid conjugates through metabolomic and genome-wide association studies. <b>2019</b> , 15, e1008208	14
765	Bioremediation of a Common Product of Food Processing by a Human Gut Bacterium. <b>2019</b> , 26, 463-477.e8	23
764	Depiction of secondary metabolites and antifungal activity of DTU001. <b>2019</b> , 4, 142-149	16
763	Absence of a human ortholog of rodent Kupffer cell galactose-binding receptor encoded by the CLEC4f gene. <b>2019</b> , 29, 332-345	5
762	The pseudokinase TRIB1 toggles an intramolecular switch to regulate COP1 nuclear export. <b>2019</b> , 38,	15
761	Dynamic expression of <i>Drosophila</i> segmental cell surface-encoding genes and their pair-rule regulators. <b>2019</b> , 447, 147-156	7
760	OSF-Builder: A New Tool for Constructing and Representing Evolutionary Histories Involving Introgression. <i>Systematic Biology</i> , <b>2019</b> , 68, 717-729	8.4 1
759	Description of <i>Xiphinema azarbaijanense</i> n. sp. (Nematoda; Longidoridae) from West Azarbaijan province, northwestern Iran. <b>2019</b> , 155, 417-434	2
758	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. <b>2019</b> , 364,	120
757	Molecular analyses identify hybridization-mediated nuclear evolution in newly discovered fungal hybrids. <b>2019</b> , 9, 6588-6605	9



756	New evidence of nematode-endosymbiont bacteria coevolution based on one new and one known dagger nematode species of <i>Xiphinema americanum</i> -group (Nematoda, Longidoridae). <b>2019</b> , 14, e0217506	10
755	High-Quality Library Preparation for NGS-Based Immunoglobulin Germline Gene Inference and Repertoire Expression Analysis. <b>2019</b> , 10, 660	26
754	Structural comparison strengthens the higher-order classification of proteases related to chymotrypsin. <b>2019</b> , 14, e0216659	6
753	Diverse Large HIV-1 Non-subtype B Clusters Are Spreading Among Men Who Have Sex With Men in Spain. <b>2019</b> , 10, 655	12
752	Diversification of Hawaiian <i>Cyrtandra</i> (Gesneriaceae) under the influence of incomplete lineage sorting and hybridization. <b>2019</b> , 57, 561-578	13
751	Chemogenomic Profiling of Antileishmanial Efficacy and Resistance in the Related Kinetoplastid Parasite <i>Trypanosoma brucei</i> . <b>2019</b> , 63,	9
750	AutoMLST: an automated web server for generating multi-locus species trees highlighting natural product potential. <b>2019</b> , 47, W276-W282	111
749	Genetic diversity, and description of a new dagger nematode, <i>Xiphinema afratakhtehnsis</i> sp. nov., (Dorylaimida: Longidoridae) in natural forests of southeastern Gorgan, northern Iran. <b>2019</b> , 14, e0214147	5
748	Two Ektaphelenchinae Paramonov, 1964 (Nematoda: Rhabditida) from Iran have tripartite stylet, with similar observations in other species. <b>2019</b> , 14, e0215731	6
747	Evolutionary Trajectories for the Functional Diversification of Anthracycline Methyltransferases. <b>2019</b> , 14, 850-856	6
746	FuncTree2: an interactive radial tree for functional hierarchies and omics data visualization. <b>2019</b> , 35, 4519-4521	6
745	Genetics and pathogenicity of H5N6 highly pathogenic avian influenza viruses isolated from wild birds and a chicken in Japan during winter 2017-2018. <b>2019</b> , 533, 1-11	10
744	Characterization of paralogous transcription factor encoding genes in zebrafish. <b>2019</b> , 2, 100011	4
743	The Essential Role of Hypermutation in Rapid Adaptation to Antibiotic Stress. <b>2019</b> , 63,	15
742	Comparative analysis of the root and leaf transcriptomes in <i>Chelidonium majus</i> L. <b>2019</b> , 14, e0215165	7
741	Molecular convergence and positive selection associated with the evolution of symbiont transmission mode in stony corals. <b>2019</b> , 286, 20190111	2
740	Variation in secondary metabolite production potential in the <i>Fusarium incarnatum-equiseti</i> species complex revealed by comparative analysis of 13 genomes. <b>2019</b> , 20, 314	37
739	Allopolyploidy in the Wintergreen Group of tribe Gaultherieae (Ericaceae) inferred from low-copy nuclear genes. <b>2019</b> , 37,	3

738	A fungal miRNA mediates epigenetic repression of a virulence gene in <i>Verticillium dahliae</i> . <b>2019</b> , 374, 20180309	25
737	Testing Empirical Support for Evolutionary Models that Root the Tree of Life. <b>2019</b> , 87, 131-142	4
736	Description of <i>Basiria khuzestanensis</i> n. sp. (Nematoda: Tylenchidae) from Iran and its phylogenetic relationships with other species in the family. <b>2019</b> , 4563, zootaxa.4563.3.4	3
735	Whole Genome Sequencing of Clinical Isolates From India Reveals Genetic Heterogeneity and Region-Specific Variations That Might Affect Drug Susceptibility. <b>2019</b> , 10, 309	14
734	Genomic Features, Comparative Genomics, and Antimicrobial Susceptibility Patterns of <i>Elizabethkingia bruniana</i> . <b>2019</b> , 9, 2267	6
733	A computationally designed H5 antigen shows immunological breadth of coverage and protects against drifting avian strains. <b>2019</b> , 37, 2369-2376	11
732	AA16, a new lytic polysaccharide monooxygenase family identified in fungal secretomes. <b>2019</b> , 12, 55	96
731	A multilocus phylogeny of the fish genus : Solving taxonomic uncertainties and preliminary evidence of reticulation. <b>2019</b> , 9, 1845-1857	5
730	Current knowledge on enzymatic PET degradation and its possible application to waste stream management and other fields. <b>2019</b> , 103, 4253-4268	178
729	Mitochondrial DNA genomes of five major pest species from the Old and New Worlds (Lepidoptera: Noctuidae). <b>2019</b> , 9, 2933-2944	10
728	Interactive Tree Of Life (iTOL) v4: recent updates and new developments. <b>2019</b> , 47, W256-W259	2581
727	Identification of the genes that regulate ornamental characters using the <i>Rosa multiflora</i> genome database ( <a href="http://rosa.kazusa.or.jp/">http://rosa.kazusa.or.jp/</a> ). <b>2019</b> , 111-118	
726	Genome plasticity favours double chromosomal Tn4401b-bla transposon insertion in the <i>Pseudomonas aeruginosa</i> ST235 clone. <b>2019</b> , 19, 45	14
725	The Singularity of Cetacea Behavior Parallels the Complete Inactivation of Melatonin Gene Modules. <b>2019</b> , 10,	9
724	RiceMetaSysB: a database of blast and bacterial blight responsive genes in rice and its utilization in identifying key blast-resistant WRKY genes. <b>2019</b> , 2019,	10
723	RNA Binding Motif Protein 48 Is Required for U12 Splicing and Maize Endosperm Differentiation. <b>2019</b> , 31, 715-733	14
722	New observations on <i>Miculenchus Andrey</i> , 1959 (Nematoda: Tylenchidae) with descriptions of two new and one known species from Iran. <b>2019</b> , 21, 937-956	2
721	<i>Lobocriconema iranense</i> (Van den Berg, Eskandari, Tiedt & Karegar, 2010) n. comb. and description of <i>L. nokandense</i> n. sp. (Nematoda: Criconematidae) from Iran. <b>2019</b> , 21, 1043-1061	3

7 <sup>20</sup>	New morphological observations on <i>Neolobocriconema serratum</i> (Khan & Siddiqi, 1963) Mehta & Raski, 1971 (Rhabditida: Criconematidae). <b>2019</b> , 21, 419-434	3
7 <sup>19</sup>	Extensive recombination challenges the utility of Sugarcane mosaic virus phylogeny and strain typing. <b>2019</b> , 9, 20067	9
7 <sup>18</sup>	Phylogenetics of <i>Pinus</i> Subsection <i>Cembroides</i> Engelm. (Pinaceae) Inferred from Low-Copy Nuclear Gene Sequences. <b>2019</b> , 44, 501-518	9
7 <sup>17</sup>	Whole-genome sequence-based comparison and profiling of virulence-associated genes of <i>Bacillus cereus</i> group isolates from diverse sources in Japan. <b>2019</b> , 19, 296	3
7 <sup>16</sup>	Phylogenomics of 10,575 genomes reveals evolutionary proximity between domains Bacteria and Archaea. <b>2019</b> , 10, 5477	89
7 <sup>15</sup>	Essentiality of the Maltase AmlE in Maltose Utilization and Its Transcriptional Regulation by the Repressor AmlR in the Acarbose-Producing Bacterium sp. SE50/110. <b>2019</b> , 10, 2448	3
7 <sup>14</sup>	Field cross genome mapping: Integrating linkage and comparative maps with cytogenetic analysis for rDNA carrying chromosomes. <b>2019</b> , 9, 17028	4
7 <sup>13</sup>	Multidecade Mortality and a Homolog of Hepatitis C Virus in Bald Eagles ( <i>Haliaeetus leucocephalus</i> ), the National Bird of the USA. <b>2019</b> , 9, 14953	9
7 <sup>12</sup>	Deciphering phylogenetic relationships and delimiting species boundaries using a Bayesian coalescent approach in protists: A case study of the ciliate genus <i>Spirostomum</i> (Ciliophora, Heterotrichea). <b>2019</b> , 9, 16360	16
7 <sup>11</sup>	Universality of indeterminate growth in lizards rejected: the micro-CT reveals contrasting timing of growth cartilage persistence in iguanas, agamas, and chameleons. <b>2019</b> , 9, 18913	4
7 <sup>10</sup>	Mapping Ethanol Tolerance in Budding Yeast Reveals High Genetic Variation in a Wild Isolate. <b>2019</b> , 10, 998	5
7 <sup>09</sup>	Comparative Genomics of 86 Whole-Genome Sequences in the Six Species of the <i>Elizabethkingia</i> Genus Reveals Intraspecific and Interspecific Divergence. <b>2019</b> , 9, 19167	6
7 <sup>08</sup>	Genetic analysis of the invasive alga <i>Didymosphenia geminata</i> in Southern Argentina: Evidence of a Pleistocene origin of local lineages. <b>2019</b> , 9, 18706	4
7 <sup>07</sup>	Characterization and Phylogenomics of Reassortant H12Nx Viruses in Northern Eurasia. <b>2019</b> , 7,	2
7 <sup>06</sup>	Description of <i>Basilaphelenchus brevicaudatus</i> n. sp. (Aphelenchoidea: Tylaphelenchinae) from a dead forest tree in northern Iran. <b>2019</b> , 21, 147-158	2
7 <sup>05</sup>	A new family of transcriptional regulators of tungstoenzymes and molybdate/tungstate transport. <b>2019</b> , 21, 784-799	2
7 <sup>04</sup>	Sustainable use of mangroves as sources of valuable medicinal compounds: Species identification, propagation and secondary metabolite composition. <b>2019</b> , 121, 317-328	9
7 <sup>03</sup>	Bioinformatic, phylogenetic and chemical analysis of the UV-absorbing compounds scytonemin and mycosporine-like amino acids from the microbial mat communities of Shark Bay, Australia. <b>2019</b> , 21, 702-715	16

702	Molecular phylogeny of Caudofoveata (Mollusca) challenges traditional views. <b>2019</b> , 132, 138-150	4
701	Transcriptional regulation of Rab32/38, a specific marker of pigment cell formation in <i>Ciona robusta</i> . <b>2019</b> , 448, 111-118	6
700	<i>Basilaphelenchus gorganensis</i> n. sp. (Aphelenchoidea, Tylaphelenchinae) from wood from northern Iran. <b>2019</b> , 49, e12490	1
699	Systematic survey of plant LTR-retrotransposons elucidates phylogenetic relationships of their polyprotein domains and provides a reference for element classification. <b>2019</b> , 10, 1	97
698	Adding function to the genome of African <i>Salmonella</i> Typhimurium ST313 strain D23580. <b>2019</b> , 17, e3000059	32
697	The use of clade-specific PCR assays to identify novel nitrilase genes from environmental isolates. <b>2019</b> , 8, e00700	4
696	Re-analysis of the 18S rRNA gene phylogeny of the ciliate class Colpodea. <b>2019</b> , 67, 89-105	5
695	Mitochondrial phylogenomics of the Hymenoptera. <b>2019</b> , 131, 8-18	51
694	Ribosome profiles and riboproteomes of healthy and Potato virus A- and <i>Agrobacterium</i> -infected <i>Nicotiana benthamiana</i> plants. <b>2019</b> , 20, 392-409	5
693	Evolutionary and ecological patterns within the South African Bathyergidae: Implications for taxonomy. <b>2019</b> , 130, 181-197	3
692	Footprints of unconventional mitochondrial inheritance in bivalve phylogeny: Signatures of positive selection on clades with doubly uniparental inheritance. <b>2019</b> , 57, 258-271	11
691	, a New Genus and Species of Onygenalean Fungus Isolated from Shell Lesions of Freshwater Aquatic Turtles. <b>2019</b> , 57,	13
690	A new phylogeny of ichthyosaurs (Reptilia: Diapsida). <b>2019</b> , 17, 129-155	38
689	Aggregated Dendrograms for Visual Comparison between Many Phylogenetic Trees. <b>2020</b> , 26, 2732-2747	3
688	New and known species of the genus Thorne & Swanger, 1936 (Dorylaimida, Nordiidae) from Iran. <b>2019</b> , 94, e32	2
687	Analysis of Spounaviruses as a Case Study for the Overdue Reclassification of Tailed Phages. <i>Systematic Biology</i> , <b>2020</b> , 69, 110-123	8.4 56
686	Diversification of <i>Biscutella</i> ser. <i>Biscutella</i> (Brassicaceae) followed post-Miocene geologic and climatic changes in the Mediterranean basin. <b>2020</b> , 142, 106644	3
685	Systematic Exploration of the High Likelihood Set of Phylogenetic Tree Topologies. <i>Systematic Biology</i> , <b>2020</b> , 69, 280-293	8.4 3

684	The Genome of the Plant-Associated Lactic Acid Bacterium <i>Lactococcus lactis</i> KF147 Harbors a Hybrid NRPS-PKS System Conserved in Strains of the Dental Cariogenic <i>Streptococcus mutans</i> . <b>2020</b> , 77, 136-145	2
683	Structure and Mechanism of a Cyclic Trinucleotide-Activated Bacterial Endonuclease Mediating Bacteriophage Immunity. <b>2020</b> , 77, 723-733.e6	56
682	A fungal family of lytic polysaccharide monooxygenase-like copper proteins. <b>2020</b> , 16, 345-350	33
681	Bacterial steroid-17,20-desmolase is a taxonomically rare enzymatic pathway that converts prednisone to 1,4-androstenediene-3,11,17-trione, a metabolite that causes proliferation of prostate cancer cells. <b>2020</b> , 199, 105567	10
680	Core genome multi-locus sequence typing as an essential tool in a high-cost livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> CC398 hospital outbreak. <b>2020</b> , 104, 574-581	6
679	Morphological and molecular description of <i>Longidorus behshahrensis</i> n. sp. (Nematoda: Longidoridae) from natural forests of Abbas Abad, north of Iran. <b>2020</b> , 156, 387-398	4
678	Pathogenesis related proteins: A defensin for plants but an allergen for humans. <b>2020</b> , 157, 659-672	8
677	Parental origin of the allotetraploid tobacco <i>Nicotiana benthamiana</i> . <b>2020</b> , 102, 541-554	9
676	Structural insight into bi-functional malonyl-CoA reductase. <b>2020</b> , 22, 752-765	0
675	Genome-wide sequence information reveals recurrent hybridization among diploid wheat wild relatives. <b>2020</b> , 102, 493-506	26
674	<i>Wolbachia</i> supplement biotin and riboflavin to enhance reproduction in planthoppers. <b>2020</b> , 14, 676-687	43
673	A single residue determines substrate preference in benzylisoquinoline alkaloid N-methyltransferases. <b>2020</b> , 170, 112193	4
672	Leaf shape is a predictor of fruit quality and cultivar performance in tomato. <b>2020</b> , 226, 851-865	13
671	Loop 1 of APOBEC3C Regulates its Antiviral Activity against HIV-1. <b>2020</b> , 432, 6200-6227	7
670	ALLCOPOL: inferring allele co-ancestry in polyploids. <b>2020</b> , 21, 441	4
669	Quantitative phylogenomic evidence reveals a spatially structured SARS-CoV-2 diversity. <b>2020</b> , 550, 70-77	5
668	A revision of the taxonomy of <i>Aphelenchoides stammeri</i> K�her, 1954 (Rhabditida: Aphelenchoididae) and proposal for a new genus. <b>2020</b> , 23, 215-228	1
667	Biochemical and genetic analysis of Ecm14, a conserved fungal pseudopeptidase. <b>2020</b> , 21, 86	1

666	Hemicriconemoides phoenicis Van den Berg et al., 2015 (Nematoda: Criconematidae) from Iran: a morphological and molecular phylogenetic study. <b>2020</b> , 22, 815-824	
665	Sigmolenchus sinuosus n. gen., n. sp. (Tylenchidae: Ecphyadophorinae), a new member of the family. <b>2020</b> , 22, 985-997	5
664	A molecular phylogenetic reappraisal of Richtersiidae Kreis, 1929 (Desmodorida: Desmodoroidea), with two new species of intertidal nematodes from the Persian Gulf. <b>2020</b> , 22, 1045-1060	2
663	Factors associated with phylogenetic clustering of hepatitis C among people who inject drugs in Baltimore. <b>2020</b> , 20, 815	3
662	Ektaphelenchoides shiroodensis n. sp. (Rhabditida: Ektaphelenchinae) a new member of the genus. <b>2020</b> , 22, 493-503	4
661	Description of Ektaphelenchus masseyi n. sp. (Rhabditida: Ektaphelenchinae) found in dead wood, from Iran. <b>2020</b> , 1-12	2
660	A new species of Basilaphelenchus Pedram, Kanzaki, Giblin-Davis & Pourjam, 2018 (Aphelenchoidea: Tylaphelenchinae), from natural forests of Golestan province, Iran. <b>2020</b> , 22, 361-371	5
659	Emergence of Multidrug-Resistant Subspecies Serovar Infantis of Multilocus Sequence Type 2283 in German Broiler Farms. <b>2020</b> , 11, 1741	18
658	Variation Patterns of NLR Clusters in Genomes. <b>2020</b> , 1, 100089	16
657	Trehalose and (iso)floridoside production under desiccation stress in red alga Porphyra umbilicalis and the genes involved in their synthesis. <b>2020</b> , 56, 1468-1480	3
656	Potential neuroinvasive and neurotrophic properties of SARS-CoV-2 in pediatric patients: comparison of SARS-CoV-2 with non-segmented RNA viruses. <b>2020</b> , 26, 929-940	1
655	Characterization of an eutherian gene cluster generated after transposon domestication identifies Bex3 as relevant for advanced neurological functions. <b>2020</b> , 21, 267	6
654	Streamlined and Abundant Bacterioplankton Thrive in Functional Cohorts. <b>2020</b> , 5,	3
653	Uncovering a superfamily of nickel-dependent hydroxyacid racemases and epimerases. <b>2020</b> , 10, 18123	6
652	, a New Marker for the Nervous System of the Tunicate. <b>2020</b> , 11,	0
651	Unveiling Crucivirus Diversity by Mining Metagenomic Data. <b>2020</b> , 11,	7
650	Contemporary genetic structure affects genetic stock identification of steelhead trout in the Snake River basin. <b>2020</b> , 10, 10520-10531	1
649	From Persian Gulf to Indonesia: interrelated phylogeographic distance and chemistry within the genus Peronia (Onchidiidae, Gastropoda, Mollusca). <b>2020</b> , 10, 13048	2

648	Occurrence of the genus <i>Dolichodorus</i> Cobb 1914 (Nematoda: Dolichodoridae) in Iran, and description of <i>D. rex</i> n. sp.. <b>2020</b> , 158, 443-455	2
647	Horizontal Gene Transfer Clarifies Taxonomic Confusion and Promotes the Genetic Diversity and Pathogenicity of <i>Plesiomonas shigelloides</i> . <b>2020</b> , 5,	7
646	Genome-wide identification and expression analysis of SnRK2 gene family in mungbean ( <i>Vigna radiata</i> ) in response to drought stress. <b>2020</b> , 71, 469	6
645	A new pratylenchid nematode, <i>Hoplotylus japonicus</i> n. sp. (Tylenchina: Pratylenchidae) from the rhizosphere of Japanese maple, <i>Acer palmatum</i> (Thumb.). <b>2020</b> , 22, 1131-1140	
644	Characterization and Diversity of 243 Complete Human Papillomavirus Genomes in Cervical Swabs Using Next Generation Sequencing. <b>2020</b> , 12,	1
643	Evolution of MicroRNA Biogenesis Genes in the Sterlet () and Other Polyploid Vertebrates. <b>2020</b> , 21,	0
642	Benchmarking Orthogroup Inference Accuracy: Revisiting Orthobench. <b>2020</b> , 12, 2258-2266	5
641	Fasciclin-Like Arabinogalactan-Protein 16 (FLA16) Is Required for Stem Development in. <b>2020</b> , 11, 615392	8
640	Saccharibacteria as Organic Carbon Sinks in Hydrocarbon-Fueled Communities. <b>2020</b> , 11, 587782	7
639	Occurrence of Methicillin-Resistant spp. on Brazilian Dairy Farms that Produce Unpasteurized Cheese. <b>2020</b> , 12,	3
638	In silico screening and experimental analysis of family GH11 xylanases for applications under conditions of alkaline pH and high temperature. <b>2020</b> , 13, 198	4
637	Description of <i>Cryptaphelenchus paravaricaudatus</i> n. sp. (Aphelenchoidea: Ektaphelenchinae) from <i>Pinus massoniana</i> Lamb. in China. <b>2020</b> , 22, 723-732	3
636	Phylogenetic relationships of <i>Leptolaimus</i> de Man, 1876 (Plectida: Leptolaimidae) with description of two new species from the Persian Gulf, Iran. <b>2020</b> , 23, 153-169	1
635	Description of <i>Aphelenchoides hamospiculatus</i> n. sp. (Aphelenchoidea: Aphelenchooididae) from Golestan province, north Iran. <b>2020</b> , 23, 201-213	3
634	Proposal for a subdivision of the family Psathyrellaceae based on a taxon-rich phylogenetic analysis with iterative multigene guide tree. <b>2020</b> , 19, 1151-1265	4
633	Comparative genomics in infectious disease. <b>2020</b> , 53, 61-70	6
632	Phylogenomic Analyses of Members of the Widespread Marine Heterotrophic Genus Suggest Distinct Evolutionary Trajectories and a Novel Genus, gen. nov. <b>2020</b> , 86,	4
631	Additional taxonomic coverage of the doubly uniparental inheritance in bivalves: Evidence of sex-linked heteroplasmy in the razor clam <i>Solen marginatus</i> Pulteney, 1799, but not in the lagoon cockle <i>Cerastoderma glaucum</i> (Bruguière, 1789). <b>2020</b> , 58, 561-570	4

630	An Acyl-CoA -Acyltransferase Regulates Meristem Phase Change and Plant Architecture in Barley. <b>2020</b> , 183, 1088-1109	11
629	Occurrence of <i>Xiphinema santos Lamberti</i> , Lemos, Agostinelli & D'Addato 1993 (Nematoda: Longidoridae), a <i>X. americanum</i> -group member in Iran. <b>2020</b> , 157, 281-291	2
628	A Retrospective Whole-Genome Sequencing Analysis of Carbapenem and Colistin-Resistant Nosocomial Strains Isolated during an MDR Surveillance Program. <b>2020</b> , 9,	6
627	Alleviation of the toxicity of oily wastewater to canola plants by the N <sub>2</sub> -fixing, aromatic hydrocarbon biodegrading bacterium <i>Stenotrophomonas maltophilia</i> -SR1. <b>2020</b> , 154, 103654	13
626	The Phylodynamics of Seasonal Influenza A/H1N1pdm Virus in China Between 2009 and 2019. <b>2020</b> , 11, 735	7
625	Spatial genetic structure in the rock hyrax ( <i>Procavia capensis</i> ) across the Namaqualand and western Fynbos areas of South Africa: a mitochondrial and microsatellite perspective. <b>2020</b> , 98, 557-571	3
624	Genomic data mining reveals the transaminase repertoire of <i>Komagataella phaffii</i> ( <i>Pichia pastoris</i> ) strain GS115 and supports a systematic nomenclature. <b>2020</b> , 99, 1	2
623	Population Genomic Molecular Epidemiological Study of Macrolide-Resistant <i>Streptococcus pyogenes</i> in Iceland, 1995 to 2016: Identification of a Large Clonal Population with a Mutation Conferring Reduced $\beta$ -Lactam Susceptibility. <b>2020</b> , 58,	8
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621	Recurrent horizontal transfer identifies mitochondrial positive selection in a transmissible cancer. <b>2020</b> , 11, 3059	5
620	Phylogenetic diversity in and gene clusters between and , as a potential cause of host specificity. <b>2020</b> , 12, 1775333	2
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617	Transcriptional and Biochemical Characterization of Cytosolic Pyruvate Kinases in. <b>2020</b> , 9,	7
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615	Using ggtree to Visualize Data on Tree-Like Structures. <b>2020</b> , 69, e96	233
614	Comparative genomics analysis of c-di-GMP metabolism and regulation in <i>Microcystis aeruginosa</i> . <b>2020</b> , 21, 217	2
613	von Willebrand factor D and EGF domains is an evolutionarily conserved and required feature of blastemas capable of multitissue appendage regeneration. <b>2020</b> , 22, 297-311	11



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611	Genome-wide analysis of the HSP101/CLPB gene family for heat tolerance in hexaploid wheat. <b>2020</b> , 10, 3948	10
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604	Expansion of the genus in North America to include , sp. nov., and , comb. nov. <b>2020</b> , 112, 423-437	1
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601	Genome-Based Comparison of All Species of the Genus , and Status of the Species and. <b>2019</b> , 10, 3070	2
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598	Diversity and Host Interactions Among Virulent and Temperate Baltic Sea Phages. <b>2020</b> , 12,	4
597	Genetic structure and admixture in sheep from terminal breeds in the United States. <b>2020</b> , 51, 284-291	6
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595	Genetic Characterization of Influenza A Viruses in Japanese Swine in 2015 to 2019. <b>2020</b> , 94,	3

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591	Intestinal <i>Enterococcus</i> abundance correlates inversely with excessive weight gain and increased plasma leptin in breastfed infants. <b>2020</b> , 96,	9
590	Structural Phylogenetics with Confidence. <b>2020</b> , 37, 2711-2726	1
589	Conductance Mechanisms of Rapidly Desensitizing Cation Channelrhodopsins from Cryptophyte Algae. <b>2020</b> , 11,	7
588	A new species group from the <i>Daphnia curvirostris</i> species complex (Cladocera: Anomopoda) from the eastern Palaearctic: taxonomy, phylogeny and phylogeography. <b>2021</b> , 191, 772-822	11
587	Distribution and diversity of glycoxin biosynthesis gene clusters beyond Firmicutes. <b>2021</b> , 31, 89-102	5
586	Phylogeny of Lithobiidae Newport, 1844, with emphasis on the megadiverse genus <i>Lithobius</i> Leach, 1814 (Myriapoda, Chilopoda). <b>2021</b> , 37, 162-184	1
585	Molecular genomic features associated with in vitro response of the NCI-60 cancer cell line panel to natural products. <b>2021</b> , 15, 381-406	5
584	Phylotranscriptomic evidence for pervasive ancient hybridization among Old World salamanders. <b>2021</b> , 155, 106967	8
583	Neogene speciation and Pleistocene expansion of the genus <i>Pseudephebe</i> (Parmeliaceae, lichenized fungi) involving multiple colonizations of Antarctica. <b>2021</b> , 155, 107020	3
582	Diversity, community composition, and bioactivity of cultivable fungal endophytes in saline and dry soils in deserts. <b>2021</b> , 49, 101019	4
581	The evolution and mechanism of GPCR proton sensing. <b>2021</b> , 296, 100167	9
580	Reticulate Evolution, Ancient Chloroplast Haplotypes, and Rapid Radiation of the Australian Plant Genus <i>Adenanthos</i> (Proteaceae). <b>2021</b> , 8,	5
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578	Multi-faceted Set-up of a Diverse Ketoreductase Library Enables the Synthesis of Pharmaceutically-relevant Secondary Alcohols. <b>2021</b> , 13, 1538-1545	5
577	<i>Pectobacterium atrosepticum</i> KDPG aldolase, <i>Eda</i> , participates in the Entner-Doudoroff pathway and independently inhibits expression of virulence determinants. <b>2021</b> , 22, 271-283	1

576	Impact of parasitic lifestyle and different types of centromere organization on chromosome and genome evolution in the plant genus <i>Cuscuta</i> . <b>2021</b> , 229, 2365-2377	12
575	Morphological and molecular characterization of n. sp. from east Golestan province, north Iran; with an updated phylogeny of <i>Andr�sy</i> , 1968 (Tylenchomorpha: Tylenchidae). <b>2021</b> , 53,	2
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572	Bacterial Predation on Cyanobacteria. <b>2021</b> , 31, 99-108	3
571	Phylogenetic, functional and structural characterization of a GH10 xylanase active at extreme conditions of temperature and alkalinity. <b>2021</b> , 19, 2676-2686	2
570	Phylostat: a web-based tool to analyze paralogous clade divergence in phylogenetic trees.. <b>2021</b> , 45, 667-673	
569	An interesting rare tylenchid species, <i>Antarctenchus urmiensis</i> n. sp. (Tylenchomorpha; Psilenchidae) from Urmia Lake islands, northwest Iran, with a discussion on the taxonomy of related genera. 53, 1-14	0
568	Functional diversity of three tandem C-terminal carbohydrate-binding modules of a $\beta$ mannanase. <b>2021</b> , 296, 100638	3
567	Description of <i>Xiphinema persicum</i> n. sp. (Nematoda: Longidoridae), a <i>X. americanum</i> -group species from Iran. <b>2021</b> , 159, 783-797	3
566	Genome-wide identification, evolution and expression analysis of the aspartic protease gene family during rapid growth of moso bamboo ( <i>Phyllostachys edulis</i> ) shoots. <b>2021</b> , 22, 45	3
565	Description of n. sp. (Dorylaimida: Nordiidae) from north Iran. <b>2021</b> , 53,	
564	Roles of Bioinformatics in Reproductive Science. <b>2021</b> , 203-228	
563	Distinct Patterns of Emergence of SARS-CoV-2 Spike Variants including N501Y in Clinical Samples in Columbus Ohio.	24
562	Bioinformatics resources for SARS-CoV-2 discovery and surveillance. <b>2021</b> , 22, 631-641	12
561	Functional Characterization of the $\beta$ Aminobutyric Acid Transporter from <i>Mycobacterium smegmatis</i> MC 155 Reveals Sodium-Driven GABA Transport. <b>2021</b> , 203,	1
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559	Defining the Species Complex. <b>2021</b> , 12,	19

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555	High genomic diversity maintained by populations of <i>Carex scirpoidea</i> subsp. <i>convoluta</i> , a paraphyletic Great Lakes ecotype. <b>2021</b> , 22, 169-185	2
554	Demographic History and Genomic Response to Environmental Changes in a Rapid Radiation of Wild Rats. <b>2021</b> , 38, 1905-1923	2
553	Structure and functional properties of the cold-adapted catalase from <i>Acinetobacter</i> sp. Ver3 native to the Atacama plateau in northern Argentina. <b>2021</b> , 77, 369-379	3
552	High-Throughput Sequencing of 5S-IGS rDNA in <i>Fagus L.</i> (Fagaceae) reveals complex evolutionary patterns and hybrid origin of modern species.	2
551	Insights From Experiments With Rigor in an EvoBio Design Study. <b>2021</b> , 27, 1106-1116	1
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549	A Tad-like apparatus is required for contact-dependent prey killing in predatory social bacteria.	1
548	Genomic Epidemiology and Evolution of in Wild Animals in Mexico. <b>2021</b> , 6,	2
547	Structure Unveils Relationships between RNA Virus Polymerases. <b>2021</b> , 13,	4
546	Prevention and Control of Pathogens Based on Big-Data Mining and Visualization Analysis. <b>2020</b> , 7, 626595	
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539	The diversity and evolution of microbial dissimilatory phosphite oxidation. <b>2021</b> , 118,	4
538	Extensive Genome-Wide Phylogenetic Discordance Is Due to Incomplete Lineage Sorting and Not Ongoing Introgression in a Rapidly Radiated Bryophyte Genus. <b>2021</b> , 38, 2750-2766	11
537	Elucidation of Japanese pepper ( <i>Zanthoxylum piperitum</i> De Candolle) domestication using RAD-Seq. <b>2021</b> , 11, 6464	1
536	Rubisco Adaptation Is More Limited by Phylogenetic Constraint Than by Catalytic Trade-off. <b>2021</b> , 38, 2880-2896	8
535	<i>Agromyces laixinhei</i> sp. nov. isolated from bat feces in China. <b>2021</b> , 59, 467-475	1
534	Evidence of an additional center of apple domestication in Iran, with contributions from the Caucasian crab apple <i>Malus orientalis</i> .	0
533	<i>Petalostelma</i> of Brazil and the initial evolution of <i>Metastelmatinae</i> (Apocynaceae). <b>2021</b> , 307, 1	
532	Whole genome de novo sequencing and comparative genomic analyses suggests that <i>Chlamydia psittaci</i> strain 84/2334 should be reclassified as <i>Chlamydia abortus</i> species. <b>2021</b> , 22, 159	3
531	VERSO: A comprehensive framework for the inference of robust phylogenies and the quantification of intra-host genomic diversity of viral samples. <b>2021</b> , 2, 100212	14
530	Tephritid fruit flies have a large diversity of co-occurring RNA viruses. <b>2021</b> , 186, 107569	4
529	Whole Genome Assembly and Annotation of Northern Wild Rice, <i>Zizania palustris</i> L., Supports a Whole Genome Duplication in the <i>Zizania</i> Genus.	
528	A new species of the genus <i>Xiphinema</i> Cobb 1913 (Nematoda: Longidoridae) from north and northwest Iran. <b>2021</b> , 160, 557-574	0
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526	First Report of Papillomavirus Type 1 Infection in Roborovski Hamsters (). <b>2021</b> , 13,	
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524	Oak decaying wood harbors taxonomically and functionally different bacterial communities in sapwood and heartwood. <b>2021</b> , 155, 108160	5
523	Morphological and genetic analyses of <i>Ostreopsis</i> (Dinophyceae, Gonyaulacales, <i>Ostreopsidaceae</i> ) species from Vietnamese waters with a re-description of the type species, <i>O. siamensis</i> . <b>2021</b> , 57, 1059-1083	4

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518	A novel bipartite antitermination system widespread in conjugative elements of Gram-positive bacteria. <b>2021</b> , 49, 5553-5567	1
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513	PRRSV2 genetic diversity defined by RFLP patterns in the United States from 2007 to 2019. <b>2021</b> , 33, 920-931	1
512	Screening of 200 Core SNPs and the Construction of a Systematic SNP-DNA Standard Fingerprint Database with More Than 20,000 Maize Varieties. <b>2021</b> , 11, 597	1
511	Time-resolved comparative molecular evolution of oxygenic photosynthesis. <b>2021</b> , 1862, 148400	13
510	Human encroachment into wildlife gut microbiomes. <b>2021</b> , 4, 800	4
509	Using target sequence capture to improve the phylogenetic resolution of a rapid radiation in New Zealand <i>Veronica</i> . <b>2021</b> , 108, 1289-1306	8
508	RapGreen, an interactive software and web package to explore and analyze phylogenetic trees. <b>2021</b> , 3, lqab088	0
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479	Genomic characterisation of extended-spectrum $\beta$ -lactamase-producing multidrug-resistant <i>Escherichia coli</i> in Rabat, Morocco. <b>2021</b> , 26, 335-341	1
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477	Seeing through the hedge: Phylogenomics of Thuja (Cupressaceae) reveals prominent incomplete lineage sorting and ancient introgression for Tertiary relict flora. <b>2021</b> ,	1
476	Introgression is widespread in the radiation of carnivorous <i>Nepenthes</i> pitcher plants. <b>2021</b> , 163, 107214	0
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460	Species Identification in Plant-Associated Prokaryotes and Fungi Using DNA.. <b>2020</b> , 4, 103-114	6
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435	IcyTree: Rapid browser-based visualization for phylogenetic trees and networks.	1
434	Organ-specific NLR resistance gene expression varies with plant symbiotic status.	1
433	Functional Diversification of Tripeptidyl Peptidase and Endopeptidase Sedolisins in Fungi.	1

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424	Recurrent mutations in SARS-CoV-2 genomes isolated from mink point to rapid host-adaptation.	31
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421	BED-domain containing immune receptors confer diverse resistance spectra to yellow rust.	3
420	Discovery of new mycoviral genomes within publicly available fungal transcriptomic datasets.	9
419	The anaerobic digestion microbiome: a collection of 1600 metagenome-assembled genomes shows high species diversity related to methane production.	12
418	Exploring the phylogeny of rosids with a five-locus supermatrix from GenBank.	2
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412	Stability of SARS-CoV-2 phylogenies. <b>2020</b> , 16, e1009175	43
411	Genetic substructure of Kuwaiti population reveals migration history. <b>2013</b> , 8, e74913	35
410	Using HSV-1 genome phylogenetics to track past human migrations. <b>2013</b> , 8, e76267	58
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381	Description of n. sp. ( <i>Nematoda</i> : <i>Aphelenchoididae</i> ), and Proposal for a New Combination. <b>2018</b> , 50, 437-452	8
380	Data of an Iranian Population of <i>Sturhan &amp; Argo</i> , 1983, with taxonomic revision of <i>Peneva</i> , <i>Orion</i> , <i>Shlevin</i> , <i>Bar-Eyal &amp; Brown</i> , 1998 ( <i>Nematoda</i> : <i>Longidoridae</i> ) and Proposal for a New Synonymy. <b>2019</b> , 51,	1
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