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Approximate likelihood-ratio test for branches: A fast, accurate, and powerful alternative

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Systematic Biology, 2006, 55, 539-52.

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#	Paper	IF	Citations
2264	.		
2263	SDM: a fast distance-based approach for (super) tree building in phylogenomics. <i>Systematic Biology</i> , <b>2006</b> , 55, 740-55	8.4	60
2262	Measures of clade confidence do not correlate with accuracy of phylogenetic trees. <b>2007</b> , 3, e51		8
2261	SuperCAT: a supertree database for combined and integrative multilocus sequence typing analysis of the <i>Bacillus cereus</i> group of bacteria (including <i>B. cereus</i> , <i>B. anthracis</i> and <i>B. thuringiensis</i> ). <b>2008</b> , 36, D461-8		35
2260	Effects of branch length uncertainty on Bayesian posterior probabilities for phylogenetic hypotheses. <b>2007</b> , 24, 2108-18		34
2259	Evolution and functional characterization of the RH50 gene from the ammonia-oxidizing bacterium <i>Nitrosomonas europaea</i> . <b>2007</b> , 189, 9090-100		18
2258	Phylemon: a suite of web tools for molecular evolution, phylogenetics and phylogenomics. <b>2007</b> , 35, W38-42		45
2257	Estimating species phylogeny from gene-tree probabilities despite incomplete lineage sorting: an example from <i>Melanoplus</i> grasshoppers. <i>Systematic Biology</i> , <b>2007</b> , 56, 400-11	8.4	278
2256	NINE EASY STEPS FOR CONSTRUCTING RELIABLE TREES FROM PUBLISHED PHYLOGENETIC ANALYSES1. <b>2007</b> , 94, 690-708		7
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2254	Translational machinery of the chaetognath <i>Spadella cephaloptera</i> : a transcriptomic approach to the analysis of cytosolic ribosomal protein genes and their expression. <b>2007</b> , 7, 146		7
2253	Statistical measures of uncertainty for branches in phylogenetic trees inferred from molecular sequences by using model-based methods. <b>2008</b> , 49, 49-67		23
2252	Conservation of linkage and evolution of developmental function within the Tbx2/3/4/5 subfamily of T-box genes: implications for the origin of vertebrate limbs. <b>2008</b> , 218, 613-28		49
2251	The <i>Caenorhabditis</i> chemoreceptor gene families. <b>2008</b> , 6, 42		84
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2246	Does gene flow destroy phylogenetic signal? The performance of three methods for estimating species phylogenies in the presence of gene flow. <b>2008</b> , 49, 832-42	116
2245	Exploring the FL-160-CRP gene family through sequence variability of the complement regulatory protein (CRP) expressed by the trypomastigote stage of <i>Trypanosoma cruzi</i> . <b>2008</b> , 8, 258-66	5
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2089	Resolving postglacial phylogeography using high-throughput sequencing. <b>2010</b> , 107, 16196-200	353
2088	Widespread horizontal gene transfer from double-stranded RNA viruses to eukaryotic nuclear genomes. <b>2010</b> , 84, 11876-87	177
2087	Characterization of a putative 3-deoxy-D-manno-2-octulosonic acid (Kdo) transferase gene from <i>Arabidopsis thaliana</i> . <b>2010</b> , 20, 617-28	23
2086	Birth-and-death long-term evolution promotes histone H2B variant diversification in the male germinal cell line. <b>2010</b> , 27, 1802-12	18

2085	Genome sequence of the pea aphid <i>Acyrtosiphon pisum</i> . <b>2010</b> , 8, e1000313	732
2084	Evolutionary trajectories of beta-lactamase CTX-M-1 cluster enzymes: predicting antibiotic resistance. <b>2010</b> , 6, e1000735	80
2083	Molecular evidence for a functional ecdysone signaling system in <i>Brugia malayi</i> . <b>2010</b> , 4, e625	42
2082	Reconstruction of the core and extended regulons of global transcription factors. <b>2010</b> , 6, e1001027	54
2081	Protein evolution by molecular tinkering: diversification of the nuclear receptor superfamily from a ligand-dependent ancestor. <b>2010</b> , 8, e1000497	146
2080	The evolutionary analysis of emerging low frequency HIV-1 CXCR4 using variants through time--an ultra-deep approach. <b>2010</b> , 6, e1001022	64
2079	PeroxisomeDB 2.0: an integrative view of the global peroxisomal metabolome. <b>2010</b> , 38, D800-5	81
2078	Origins and diversification of a complex signal transduction system in prokaryotes. <b>2010</b> , 3, ra50	265
2077	Multisite study of cryptosporidiosis in children with diarrhea in India. <b>2010</b> , 48, 2075-81	59
2076	MRL1, a conserved Pentatricopeptide repeat protein, is required for stabilization of <i>rbcl</i> mRNA in <i>Chlamydomonas</i> and <i>Arabidopsis</i> . <b>2010</b> , 22, 234-48	99
2075	The evolution of amastin surface glycoproteins in trypanosomatid parasites. <b>2010</b> , 27, 33-45	69
2074	The small, slow and specialized CRISPR and anti-CRISPR of <i>Escherichia</i> and <i>Salmonella</i> . <b>2010</b> , 5, e11126	172
2073	Molecular identification of the causative agent of human strongyloidiasis acquired in Tanzania: dispersal and diversity of <i>Strongyloides</i> spp. and their hosts. <b>2010</b> , 59, 407-13	66
2072	Mitochondrial divergence between three cytotypes of the Anatolian Mole Rat, <i>Nannospalax xanthodon</i> (Nordmann, 1840). <b>2010</b> , 50, 27-34	17
2071	Evolution of dengue virus type 3 genotype III in Venezuela: diversification, rates and population dynamics. <b>2010</b> , 7, 329	18
2070	Characterization and frequency of a newly identified HIV-1 BF1 intersubtype circulating recombinant form in S̃ Paulo, Brazil. <b>2010</b> , 7, 74	20
2069	New algorithms and methods to estimate maximum-likelihood phylogenies: assessing the performance of PhyML 3.0. <i>Systematic Biology</i> , <b>2010</b> , 59, 307-21	8.4 10954
2068	Mobility of plasmids. <b>2010</b> , 74, 434-52	634

2067	SeaView version 4: A multiplatform graphical user interface for sequence alignment and phylogenetic tree building. <b>2010</b> , 27, 221-4		4001
2066	Analyzing the hydrophobic proteome of the antarctic archaeon <i>Methanococcoides burtonii</i> using differential solubility fractionation. <b>2010</b> , 9, 664-76		14
2065	Pervasive associations between <i>Cybaeus</i> spiders and the bacterial symbiont <i>Cardinium</i> . <b>2010</b> , 103, 150-5		27
2064	Exploitation of a high genomic mutation rate in <i>Solenopsis invicta</i> virus 1 to infer demographic information about its host, <i>Solenopsis invicta</i> . <b>2010</b> , 105, 105-11		5
2063	Clan CD of cysteine peptidases as an example of evolutionary divergences in related protein families across plant clades. <b>2010</b> , 449, 59-69		12
2062	Characterisation of <i>capn1</i> , <i>capn2</i> -like, <i>capn3</i> and <i>capn11</i> genes in Atlantic halibut ( <i>Hippoglossus hippoglossus</i> L.): Transcriptional regulation across tissues and in skeletal muscle at distinct nutritional states. <b>2010</b> , 453, 45-58		18
2061	Species diversity of planktonic gastropods (Pteropoda and Heteropoda) from six ocean regions based on DNA barcode analysis. <b>2010</b> , 57, 2199-2210		52
2060	Origin of Pax and Six gene families in sponges: Single PaxB and Six1/2 orthologs in <i>Chalinula loosanoffi</i> . <b>2010</b> , 343, 106-23		32
2059	Historical demography and phylogeography of a specialist bark beetle, <i>Dendroctonus pseudotsugae</i> Hopkins (Curculionidae: Scolytinae). <b>2010</b> , 39, 1685-97		13
2058	Phylogenetic detection of numerous gene duplications shared by animals, fungi and plants. <b>2010</b> , 11, R38		18
2057	Arginine kinase from the Tardigrade, <i>Macrobiotus occidentalis</i> : molecular cloning, phylogenetic analysis and enzymatic properties. <b>2010</b> , 27, 796-803		1
2056	Evolutionary distribution of light-harvesting complex-like proteins in photosynthetic eukaryotes. <b>2010</b> , 53, 68-78		29
2055	An evaluation of phylogenetic informativeness profiles and the molecular phylogeny of diplazontinae (Hymenoptera, Ichneumonidae). <i>Systematic Biology</i> , <b>2010</b> , 59, 226-41	8.4	55
2054	CRISPR distribution within the <i>Escherichia coli</i> species is not suggestive of immunity-associated diversifying selection. <b>2011</b> , 193, 2460-7		109
2053	. <b>2011</b> ,		41
2052	A Web-Based Phylogenetic Analysis for a Query Gene. <b>2011</b> ,		
2051	Molecular epidemiology of HIV type 1 CRF02_AG in Cameroon and African patients living in Italy. <b>2011</b> , 27, 1173-82		20
2050	Molecular phylogeny of diploid <i>Hordeum</i> species and incongruence between chloroplast and nuclear datasets. <b>2011</b> , 54, 986-92		7

2049	Recent expansion of a new Ingi-related clade of Vingi non-LTR retrotransposons in hedgehogs. <b>2011</b> , 28, 17-20	16
2048	Phylogenetic structure of serotype A foot-and-mouth disease virus: global diversity and the Indian perspective. <b>2011</b> , 92, 873-9	30
2047	Evolution of Fungi and Their Respiratory Metabolism. <b>2011</b> , 257-272	
2046	Primers4clades: A Web Server to Design Lineage-Specific PCR Primers for Gene-Targeted Metagenomics. <b>2011</b> , 441-452	3
2045	Regulation by Ca <sup>2+</sup> -signaling pathways of adenylyl cyclases. <b>2011</b> , 3, a004143	118
2044	Diversity of metalloproteinases in <i>Bothrops neuwiedi</i> snake venom transcripts: evidences for recombination between different classes of SVMs. <b>2011</b> , 12, 94	32
2043	Algorithms in Bioinformatics. <b>2011</b> ,	
2042	Molecular characterization and mRNA expression of two key enzymes of hypoxia-sensing pathways in eastern oysters <i>Crassostrea virginica</i> (Gmelin): hypoxia-inducible factor (HIF) and HIF-prolyl hydroxylase (PHD). <b>2011</b> , 6, 103-14	26
2041	Adaptation of the glycerol-3-phosphate dehydrogenase Gpd1 to high salinities in the extremely halotolerant <i>Hortaea werneckii</i> and halophilic <i>Walleimia ichthyophaga</i> . <b>2011</b> , 115, 959-70	37
2040	Secretome of fungus-infected aphids documents high pathogen activity and weak host response. <b>2011</b> , 48, 343-52	24
2039	<i>Periglandula</i> , a new fungal genus within the Clavicipitaceae and its association with Convolvulaceae. <b>2011</b> , 103, 1133-45	53
2038	Next-generation genomics of <i>Pseudomonas syringae</i> . <b>2011</b> , 14, 24-30	30
2037	Taxonomic and functional prokaryote diversity in mildly arsenic-contaminated sediments. <b>2011</b> , 162, 877-87	43
2036	Single-cell genomics reveals organismal interactions in uncultivated marine protists. <b>2011</b> , 332, 714-7	245
2035	Identification of mtDNA lineages of <i>Sus scrofa</i> by multiplex single base extension for the authentication of processed food products. <b>2011</b> , 59, 6920-6	5
2034	Evolutionary histories of expanded peptidase families in <i>Schistosoma mansoni</i> . <b>2011</b> , 106, 864-77	11
2033	Fusion of the subunits $\alpha$ and $\beta$ of succinyl-CoA synthetase as a phylogenetic marker for Pezizomycotina fungi. <b>2011</b> , 34, 669-75	1
2032	Comparative genomics of <i>Vibrio cholerae</i> from Haiti, Asia, and Africa. <b>2011</b> , 17, 2113-21	117

2031	Does speciation between <i>Arabidopsis halleri</i> and <i>Arabidopsis lyrata</i> coincide with major changes in a molecular target of adaptation?. <b>2011</b> , 6, e26872	75
2030	Odorant binding proteins of the red imported fire ant, <i>Solenopsis invicta</i> : an example of the problems facing the analysis of widely divergent proteins. <b>2011</b> , 6, e16289	35
2029	Multiple independent fusions of glucose-6-phosphate dehydrogenase with enzymes in the pentose phosphate pathway. <b>2011</b> , 6, e22269	15
2028	Deep sequencing the transcriptome reveals seasonal adaptive mechanisms in a hibernating mammal. <b>2011</b> , 6, e27021	71
2027	Novel trypanosome <i>Trypanosoma gilletti</i> sp. (Euglenozoa: Trypanosomatidae) and the extension of the host range of <i>Trypanosoma copemani</i> to include the koala ( <i>Phascolarctos cinereus</i> ). <b>2011</b> , 138, 59-70	43
2026	Cone arrestin confers cone vision of high temporal resolution in zebrafish larvae. <b>2011</b> , 33, 658-67	59
2025	Microbial diversity associated with four functional groups of benthic reef algae and the reef-building coral <i>Montastraea annularis</i> . <b>2011</b> , 13, 1192-204	158
2024	Towards a molecular phylogeny of the fungus gnat genus <i>Boletina</i> (Diptera: Mycetophilidae). <b>2011</b> , 40, 272-281	9
2023	Molecular and morphological evidences reveal a cryptic species in the Vinaceous Rosefinch <i>Carpodacus vinaceus</i> (Fringillidae; Aves). <b>2011</b> , 40, 468-478	13
2022	Evolutionary biogeography of <i>Manihot</i> (Euphorbiaceae), a rapidly radiating Neotropical genus restricted to dry environments. <b>2011</b> , 38, 1033-1043	27
2021	The pyrokinin/ pheromone biosynthesis-activating neuropeptide (PBAN) family of peptides and their receptors in Insecta: evolutionary trace indicates potential receptor ligand-binding domains. <b>2011</b> , 20, 323-34	49
2020	Molecular evidence for Pleistocene refugia at the eastern edge of the Tibetan Plateau. <b>2011</b> , 20, 3014-26	53
2019	An ancient icon reveals new mysteries: mummy DNA resurrects a cryptic species within the Nile crocodile. <b>2011</b> , 20, 4199-215	95
2018	Alkaline Phosphatase Gene Sequence And Transcriptional Regulation By Phosphate Limitation In <i>Amphidinium Carterae</i> (Dinophyceae)(1). <b>2011</b> , 47, 1110-20	40
2017	The expansion of the house mouse into north-western Europe. <b>2011</b> , 283, 257-268	31
2016	Ancient hybridization and underestimated species diversity in Asian striped squirrels (genus <i>Tamias</i> ): inference from paternal, maternal and biparental markers. <b>2011</b> , 285, 128-138	22
2015	The Lack of Pollinator Specificity in a Dioecious Fig Tree: Sympatric Fig-pollinating Wasps of <i>Ficus septica</i> in Southern Taiwan. <b>2011</b> , 43, 200-207	17
2014	Molecular taxonomy and phylogenetic affinities of two groundwater amphipods, <i>Crangonyx islandicus</i> and <i>Crymostygius thingvallensis</i> , endemic to Iceland. <b>2011</b> , 58, 527-39	22

2013	Genetic diversity of wild populations of the grey short-tailed opossum, <i>Monodelphis domestica</i> (Didelphimorphia: Didelphidae), in Brazilian landscapes. <b>2011</b> , 104, 251-263	17
2012	Diversity and distribution of single-stranded DNA phages in the North Atlantic Ocean. <b>2011</b> , 5, 822-30	78
2011	Response of <i>Prochlorococcus</i> ecotypes to co-culture with diverse marine bacteria. <b>2011</b> , 5, 1125-32	102
2010	Common ancestry of iron oxide- and iron-sulfide-based biomineralization in magnetotactic bacteria. <b>2011</b> , 5, 1634-40	77
2009	Evolution and metabolic significance of the urea cycle in photosynthetic diatoms. <b>2011</b> , 473, 203-7	321
2008	Human-aided dispersal has altered but not erased the phylogeography of the tench. <b>2011</b> , 4, 545-61	16
2007	<i>Bradyrhizobium canariense</i> and <i>Bradyrhizobium japonicum</i> are the two dominant rhizobium species in root nodules of lupin and serradella plants growing in Europe. <b>2011</b> , 34, 368-75	49
2006	Eggplant polyphenol oxidase multigene family: cloning, phylogeny, expression analyses and immunolocalization in response to wounding. <b>2011</b> , 72, 2275-87	42
2005	Direct typing and molecular evolutionary analysis of field samples of foot-and-mouth disease virus collected in Viet Nam between 2006 and 2007. <b>2011</b> , 147, 244-52	7
2004	The molecular characterization of an <i>Eimeria</i> and <i>Cryptosporidium</i> detected in Asian seabass ( <i>Lateolabrax calcarifer</i> ) cultured in Vietnam. <b>2011</b> , 181, 91-6	19
2003	Phylogenetic structure in African HIV-1 subtype C revealed by selective sequential pruning. <b>2011</b> , 415, 30-8	12
2002	Specific roles for the GATA transcription factors end-1 and end-3 during <i>C. elegans</i> E-lineage development. <b>2011</b> , 358, 345-55	33
2001	Novel norovirus recombinants and of GII.4 sub-lineages associated with outbreaks between 2006 and 2010 in Belgium. <b>2011</b> , 8, 310	64
2000	Multi-locus analysis of <i>Giardia duodenalis</i> intra-Assemblage B substitution patterns in cloned culture isolates suggests sub-Assemblage B analyses will require multi-locus genotyping with conserved and variable genes. <b>2011</b> , 41, 495-503	43
1999	Identification of zoonotic <i>Cryptosporidium</i> and <i>Giardia</i> genotypes infecting animals in Sydney's water catchments. <b>2011</b> , 128, 138-44	57
1998	Multiple FtsZ2 isoforms involved in chloroplast division and biogenesis are developmentally associated with thylakoid membranes in <i>Arabidopsis</i> . <b>2011</b> , 585, 1203-8	17
1997	Extended and global phylogenetic view of the <i>Bacillus cereus</i> group population by combination of MLST, AFLP, and MLEE genotyping data. <b>2011</b> , 28, 236-44	47
1996	<i>Amphioxus</i> Tbx6/16 and Tbx20 embryonic expression patterns reveal ancestral functions in chordates. <b>2011</b> , 11, 239-43	14



1995	Evolution of the epithelial sodium channel and the sodium pump as limiting factors of aldosterone action on sodium transport. <b>2011</b> , 43, 844-54	35
1994	New species of <i>Fusarium</i> associated with dieback of <i>Spartina alterniflora</i> in Atlantic salt marshes. <b>2011</b> , 103, 806-19	30
1993	First record of planktonic crustaceans in Sardinian reservoirs. <b>2011</b> , 66, 856-865	20
1992	Development of genomic resources for the phylogenetic analysis of the <i>Brachionus plicatilis</i> species complex (Rotifera: Monogononta). <b>2011</b> , 662, 43-50	1
1991	Identification of new members within suites of amphiphilic marine siderophores. <b>2011</b> , 24, 85-92	31
1990	Evolutionary significance of an algal gene encoding an [FeFe]-hydrogenase with F-domain homology and hydrogenase activity in <i>Chlorella variabilis</i> NC64A. <b>2011</b> , 234, 829-43	39
1989	<i>Kudoa iwatai</i> and two novel <i>Kudoa</i> spp., <i>K. trachuri</i> n. sp. and <i>K. thunni</i> n. sp. (Myxosporea: Multivalvulida), from daily consumed marine fish in western Japan. <b>2011</b> , 108, 913-26	41
1988	Phylogenetic analysis of pandemic 2009 influenza A virus circulating in the South American region: genetic relationships and vaccine strain match. <b>2011</b> , 156, 87-94	8
1987	<i>Trichomonasvirus</i> : a new genus of protozoan viruses in the family Totiviridae. <b>2011</b> , 156, 171-9	64
1986	Complete genome sequence of a dahlia common mosaic virus isolate from New Zealand. <b>2011</b> , 156, 2297-301	3
1985	The phylogenetic position of an <i>Armillaria</i> species from Amami-Oshima, a subtropical island of Japan, based on elongation factor and ITS sequences. <b>2011</b> , 52, 53-58	13
1984	A critical review on some closely related species of <i>Tetranychus sensu stricto</i> (Acari: Tetranychidae) in the public DNA sequences databases. <b>2011</b> , 55, 1-23	54
1983	Factors Underlying the Narrow Distribution of the Mediterranean Annual Plant <i>Arenaria provincialis</i> (Caryophyllaceae). <b>2011</b> , 46, 327-350	14
1982	Major clades in tropical <i>Agaricus</i> . <b>2011</b> , 51, 279-296	69
1981	Emergence of Japanese encephalitis virus genotype V in the Republic of Korea. <b>2011</b> , 8, 449	75
1980	CREST--a large and diverse superfamily of putative transmembrane hydrolases. <b>2011</b> , 6, 37	51
1979	Diversity, mobility, and structural and functional evolution of group II introns carrying an unusual 3' extension. <b>2011</b> , 4, 564	1
1978	Crypton transposons: identification of new diverse families and ancient domestication events. <b>2011</b> , 2, 12	38

1977	The Enhancer of split transcription factor Her8a is a novel dimerisation partner for Her3 that controls anterior hindbrain neurogenesis in zebrafish. <b>2011</b> , 11, 27	6
1976	Horizontal gene transfer of microbial cellulases into nematode genomes is associated with functional assimilation and gene turnover. <b>2011</b> , 11, 13	83
1975	BEL/Pao retrotransposons in metazoan genomes. <b>2011</b> , 11, 154	37
1974	Molecular evolution of cyclin proteins in animals and fungi. <b>2011</b> , 11, 224	23
1973	Widespread horizontal gene transfer from circular single-stranded DNA viruses to eukaryotic genomes. <b>2011</b> , 11, 276	97
1972	Mitochondrial genes support a common origin of rodent malaria parasites and <i>Plasmodium falciparum</i> 's relatives infecting great apes. <b>2011</b> , 11, 70	15
1971	Novel transposable elements from <i>Anopheles gambiae</i> . <b>2011</b> , 12, 260	16
1970	The small heat shock proteins from <i>Acidithiobacillus ferrooxidans</i> : gene expression, phylogenetic analysis, and structural modeling. <b>2011</b> , 11, 259	7
1969	Clonal analysis of hepatitis B viruses among blood donors from Joinville, Brazil: evidence of dual infections, intragenotype recombination and markers of risk for hepatocellular carcinoma. <b>2011</b> , 83, 2103-12	6
1968	Distinctive differences in long terminal repeat sequences between $\beta$ endogenous retroviruses of African and Eurasian suid species. <b>2011</b> , 11, 686-93	3
1967	Using phylogeography to characterize the origins of the HIV-1 subtype F epidemic in Romania. <b>2011</b> , 11, 975-9	28
1966	Identification of novel <i>Cryptosporidium</i> genotypes in kangaroos from Western Australia. <b>2011</b> , 179, 22-7	23
1965	The phylogeny of advanced snakes (Colubroidea), with discovery of a new subfamily and comparison of support methods for likelihood trees. <b>2011</b> , 58, 329-42	221
1964	Shark tales: a molecular species-level phylogeny of sharks (Selachimorpha, Chondrichthyes). <b>2011</b> , 58, 207-17	129
1963	Conceptual framework and pilot study to benchmark phylogenomic databases based on reference gene trees. <b>2011</b> , 12, 423-35	27
1962	Novel surveillance network for norovirus gastroenteritis outbreaks, United States. <b>2011</b> , 17, 1389-95	185
1961	Origin of the H genome in StH-genomic <i>Elymus</i> species based on the single-copy nuclear gene DMC1. <b>2011</b> , 54, 655-62	7
1960	The Scaling Parameter Estimation of Information Forwarding Network. <b>2011</b> ,	

1959	Rhabdothermus arcticus gen. nov., sp. nov., a member of the family Thermaceae isolated from a hydrothermal vent chimney in the Soria Moria vent field on the Arctic Mid-Ocean Ridge. <b>2011</b> , 61, 2197-2204	14
1958	Genetic diversity of Cryptosporidium spp. from Bangladeshi children. <b>2011</b> , 49, 2307-10	22
1957	The reconstructed ancestral subunit a functions as both V-ATPase isoforms Vph1p and Stv1p in Saccharomyces cerevisiae. <b>2011</b> , 22, 3176-91	20
1956	argC Orthologs from Rhizobiales show diverse profiles of transcriptional efficiency and functionality in Sinorhizobium meliloti. <b>2011</b> , 193, 460-72	8
1955	Widespread endogenization of densovirus and parvovirus in animal and human genomes. <b>2011</b> , 85, 9863-76	65
1954	Investigation of genotypes of Borrelia burgdorferi in Ixodes scapularis ticks collected during surveillance in Canada. <b>2011</b> , 77, 3244-54	75
1953	Molecular surveillance of HIV-1 in Madrid, Spain: a phylogeographic analysis. <b>2011</b> , 85, 10755-63	32
1952	Artificial recombination may influence the evolutionary analysis of Newcastle disease virus. <b>2011</b> , 85, 10409-14	18
1951	Origin and evolution of HIV-1 in breast milk determined by single-genome amplification and sequencing. <b>2011</b> , 85, 2751-63	50
1950	Identification and characterization of the Streptomyces globisporus 1912 regulatory gene IndYR that affects sporulation and antibiotic production. <b>2011</b> , 157, 1240-1249	18
1949	Origin of Nogo-A by domain shuffling in an early jawed vertebrate. <b>2011</b> , 28, 1363-70	13
1948	Gypsy and the birth of the SCAN domain. <b>2011</b> , 85, 12043-52	36
1947	Bacillus thermolactis sp. nov., isolated from dairy farms, and emended description of Bacillus thermoamylovorans. <b>2011</b> , 61, 1954-1961	38
1946	Coevolution of retroelements and tandem zinc finger genes. <b>2011</b> , 21, 1800-12	131
1945	Result verification, code verification and computation of support values in phylogenetics. <b>2011</b> , 12, 270-9	4
1944	In silico evidence for the horizontal transfer of gsiB, a (B)-regulated gene in gram-positive bacteria, to lactic acid bacteria. <b>2011</b> , 77, 3526-31	7
1943	Characterization, localization, essentiality, and high-resolution crystal structure of glucosamine 6-phosphate N-acetyltransferase from Trypanosoma brucei. <b>2011</b> , 10, 985-97	27
1942	Genome variation in Cryptococcus gattii, an emerging pathogen of immunocompetent hosts. <b>2011</b> , 2, e00342-10	137

1941	Survey of branch support methods demonstrates accuracy, power, and robustness of fast likelihood-based approximation schemes. <i>Systematic Biology</i> , <b>2011</b> , 60, 685-99	8.4	565
1940	Assigning duplication events to relative temporal scales in genome-wide studies. <b>2011</b> , 27, 38-45		41
1939	Development of phoH as a novel signature gene for assessing marine phage diversity. <b>2011</b> , 77, 7730-9		76
1938	Paracatenula, an ancient symbiosis between thiotrophic Alphaproteobacteria and catenulid flatworms. <b>2011</b> , 108, 12078-83		57
1937	Dynamics of two separate but linked HIV-1 CRF01_AE outbreaks among injection drug users in Stockholm, Sweden, and Helsinki, Finland. <b>2011</b> , 85, 510-8		39
1936	Basic leucine zipper protein Cnc-C is a substrate and transcriptional regulator of the Drosophila 26S proteasome. <b>2011</b> , 31, 897-909		46
1935	Complete genome sequence of the fish pathogen <i>Flavobacterium branchiophilum</i> . <b>2011</b> , 77, 7656-62		50
1934	N-glycans of <i>Phaeodactylum tricornutum</i> diatom and functional characterization of its N-acetylglucosaminyltransferase I enzyme. <b>2011</b> , 286, 6152-64		54
1933	Colonization process of the Brazilian common vesper mouse, <i>Calomys expulsus</i> (Cricetidae, Sigmodontinae): a biogeographic hypothesis. <b>2011</b> , 102, 260-8		20
1932	High-resolution phylogenetics and phylogeography of human immunodeficiency virus type 1 subtype C epidemic in South America. <b>2011</b> , 92, 1698-1709		27
1931	Phyloemon 2.0: a suite of web-tools for molecular evolution, phylogenetics, phylogenomics and hypotheses testing. <b>2011</b> , 39, W470-4		133
1930	Evolutionary history of <i>Arabidopsis thaliana</i> aminoacyl-tRNA synthetase dual-targeted proteins. <b>2011</b> , 28, 79-85		14
1929	Different gene families in <i>Arabidopsis thaliana</i> transposed in different epochs and at different frequencies throughout the rosids. <b>2011</b> , 23, 4241-53		39
1928	A new species of symbiotic flatworms, <i>Paracatenula galateia</i> sp. nov. (Platyhelminthes: Catenulida: Retronectidae) from Belize (Central America). <b>2011</b> , 7, 769-777		9
1927	Widespread endogenization of genome sequences of non-retroviral RNA viruses into plant genomes. <b>2011</b> , 7, e1002146		148
1926	Mechanisms for the evolution of a derived function in the ancestral glucocorticoid receptor. <b>2011</b> , 7, e1002117		41
1925	Molecular cloning and characterization of cDNA encoding a putative stress-induced heat-shock protein from <i>Camelus dromedarius</i> . <b>2011</b> , 12, 4214-36		13
1924	Evolution of RNA-binding proteins in animals: insights from genome-wide analysis in the sponge <i>Amphimedon queenslandica</i> . <b>2011</b> , 28, 2289-303		37

1923	A phylogenetic strategy based on a legume-specific whole genome duplication yields symbiotic cytokinin type-A response regulators. <b>2011</b> , 157, 2013-22	81
1922	The repertoire of ICE in prokaryotes underscores the unity, diversity, and ubiquity of conjugation. <b>2011</b> , 7, e1002222	246
1921	Evolution of modern birds revealed by mitogenomics: timing the radiation and origin of major orders. <b>2011</b> , 28, 1927-42	183
1920	Widespread occurrence of N-terminal acylation in animal globins and possible origin of respiratory globins from a membrane-bound ancestor. <b>2012</b> , 29, 3553-61	42
1919	Novel insights into regulation of asparagine synthetase in conifers. <b>2012</b> , 3, 100	39
1918	Evolution of the land plant exocyst complexes. <b>2012</b> , 3, 159	93
1917	Evolution of minimal specificity and promiscuity in steroid hormone receptors. <b>2012</b> , 8, e1003072	80
1916	Evolution and functional diversification of fructose bisphosphate aldolase genes in photosynthetic marine diatoms. <b>2012</b> , 29, 367-79	53
1915	Genotypic and chemotypic diversity of Neotyphodium endophytes in tall fescue from Greece. <b>2012</b> , 78, 5501-10	57
1914	Cell-cycle-regulated expression of STIL controls centriole number in human cells. <b>2012</b> , 125, 1342-52	136
1913	Dual targeting of isoleucyl-tRNA synthetase in <i>Trypanosoma brucei</i> is mediated through alternative trans-splicing. <b>2012</b> , 40, 1299-306	29
1912	Expression patterns of genes involved in sugar metabolism and accumulation during apple fruit development. <b>2012</b> , 7, e33055	161
1911	Natural occurrence and characterization of two internal ribosome entry site elements in a novel virus, canine picodistrovirus, in the picornavirus-like superfamily. <b>2012</b> , 86, 2797-808	58
1910	Phylogeny and structure of the cinnamyl alcohol dehydrogenase gene family in <i>Brachypodium distachyon</i> . <b>2012</b> , 63, 6223-36	24
1909	Establishment and lineage replacement of H6 influenza viruses in domestic ducks in southern China. <b>2012</b> , 86, 6075-83	63
1908	<i>Psychrobacter sanguinis</i> sp. nov., recovered from four clinical specimens over a 4-year period. <b>2012</b> , 62, 49-54	26
1907	Evidence of multiple introductions and autochthonous transmission of the HIV type 1 CRF02_AG clade in Brazil. <b>2012</b> , 28, 1369-72	10
1906	Complete genome sequence of <i>Liberibacter crescens</i> BT-1. <b>2012</b> , 7, 271-83	74

1905	Impact of the partitioning scheme on divergence times inferred from Mammalian genomic data sets. <b>2012</b> , 8, 207-18	5
1904	Evolutionary history of LTR retrotransposon chromodomains in plants. <b>2012</b> , 2012, 874743	28
1903	Bld10/Cep135 stabilizes basal bodies to resist cilia-generated forces. <b>2012</b> , 23, 4820-32	48
1902	Evidence of multiple introductions of beak and feather disease virus into the Pacific islands of Nouvelle-Caledonie (New Caledonia). <b>2012</b> , 93, 2466-2472	21
1901	Characterization of novel phages isolated in coagulase-negative staphylococci reveals evolutionary relationships with <i>Staphylococcus aureus</i> phages. <b>2012</b> , 194, 5829-39	39
1900	Nuclear targeting of methyl-recycling enzymes in <i>Arabidopsis thaliana</i> is mediated by specific protein interactions. <b>2012</b> , 5, 231-48	24
1899	Cryptic species within the wheat curl mite <i>Aceria tosichella</i> (Keifer) (Acari : Eriophyoidea), revealed by mitochondrial, nuclear and morphometric data. <b>2012</b> , 26, 417	63
1898	Sugarwin: a sugarcane insect-induced gene with antipathogenic activity. <b>2012</b> , 25, 613-24	25
1897	Posthodiplostomum sp. Metacercariae in the trunk muscle of northern snakeheads ( <i>Channa argus</i> ) from the Fushinogawa River, Yamaguchi, Japan. <b>2012</b> , 74, 1367-72	10
1896	Phylogenetically diverse groups of <i>Bradyrhizobium</i> isolated from nodules of <i>Crotalaria</i> spp., <i>Indigofera</i> spp., <i>Erythrina brucei</i> and <i>Glycine max</i> growing in Ethiopia. <b>2012</b> , 65, 595-609	43
1895	The south-eastern house mouse <i>Mus musculus castaneus</i> (Rodentia: Muridae) is a polytypic subspecies. <b>2012</b> , 107, 295-306	27
1894	DNA barcoding and morphology reveal three cryptic species of <i>Anania</i> (Lepidoptera: Crambidae: Pyraustinae) in North America, all distinct from their European counterpart. <b>2012</b> , 37, 686-705	28
1893	Evolution of the <i>tbx6/16</i> subfamily genes in vertebrates: insights from zebrafish. <b>2012</b> , 29, 3959-83	16
1892	Diverse circular ssDNA viruses discovered in dragonflies (Odonata: Epiprocta). <b>2012</b> , 93, 2668-2681	140
1891	Expression of GFP-mTalin reveals an actin-related role for the <i>Arabidopsis</i> Class II formin AtFH12. <b>2012</b> , 56, 431-440	9
1890	The mitochondrial genome of stygobitic sponge <i>Eunapius subterraneus</i> : mtDNA is highly conserved in freshwater sponges. <b>2012</b> , 687, 49-59	5
1889	The genome of the polar eukaryotic microalga <i>Coccomyxa subellipsoidea</i> reveals traits of cold adaptation. <b>2012</b> , 13, R39	211
1888	Molecular characterization of <i>Eimeria</i> species in macropods. <b>2012</b> , 132, 216-21	26

1887	The first modern solitary Agariciidae (Anthozoa, Scleractinia) revealed by molecular and microstructural analysis. <b>2012</b> , 26, 303	26
1886	Chemical proteomic analysis reveals the drugability of the kinome of <i>Trypanosoma brucei</i> . <b>2012</b> , 7, 1858-65	47
1885	Phylogeny and Clitellar Morphology of the Giant Amazonian Earthworm, <i>Rhinodrilus priollii</i> (Oligochaeta: Glossoscolecidae). <b>2012</b> , 167, 384-395	4
1884	Molecular characterisation of a novel cassava associated circular ssDNA virus. <b>2012</b> , 166, 130-5	49
1883	Opsin gene duplication and divergence in ray-finned fish. <b>2012</b> , 62, 986-1008	83
1882	A mitochondrial DNA phylogeny of the endangered vipers of the <i>Vipera ursinii</i> complex. <b>2012</b> , 62, 1019-24	16
1881	Geographical patterns of genetic divergence in the widespread Mesoamerican bumble bee <i>Bombus ephippiatus</i> (Hymenoptera: Apidae). <b>2012</b> , 64, 219-31	51
1880	Molecular phylogenetics of a South Pacific sap beetle species complex ( <i>Carpophilus</i> spp., Coleoptera: Nitidulidae). <b>2012</b> , 64, 428-40	15
1879	Bromophycoic acids: bioactive natural products from a Fijian red alga <i>Callophycus</i> sp. <b>2012</b> , 77, 8000-6	24
1878	Widespread genetic switches and toxicity resistance proteins for fluoride. <b>2012</b> , 335, 233-235	282
1877	High cryptic diversity of endemic <i>Indirana</i> frogs in the Western Ghats biodiversity hotspot. <b>2012</b> , 15, 489-498	13
1876	Tracking of wisent-bison-yak mitochondrial evolution. <b>2012</b> , 53, 317-22	14
1875	New insights into the taxonomy and phylogeny of social voles inferred from mitochondrial cytochrome b sequences. <b>2012</b> , 77, 178-182	16
1874	The kinomes of apicomplexan parasites. <b>2012</b> , 14, 796-810	48
1873	Identification of group I introns within the SSU rDNA gene in species of <i>Ceratocystiopsis</i> and related taxa. <b>2012</b> , 116, 98-111	8
1872	Differential expression of the putative Kex2 processed and secreted aspartic proteinase gene family of <i>Cryphonectria parasitica</i> . <b>2012</b> , 116, 363-78	2
1871	Differential expression of two hydrophobin genes (Pgh1 and Pgh2) from the biological control agent <i>Phlebiopsis gigantea</i> . <b>2012</b> , 116, 620-9	15
1870	Mitochondrial genomes from the lichenized fungi <i>Peltigera membranacea</i> and <i>Peltigera malacea</i> : features and phylogeny. <b>2012</b> , 116, 802-14	33

1869	ESTs library from embryonic stages reveals tubulin and reflectin diversity in <i>Sepia officinalis</i> (Mollusca [Cephalopoda]). <b>2012</b> , 498, 203-11	22
1868	Alkaline phosphatase gene sequence characteristics and transcriptional regulation by phosphate limitation in <i>Karenia brevis</i> (Dinophyceae). <b>2012</b> , 17, 14-24	50
1867	Multilocus sequence analysis of the family Halomonadaceae. <b>2012</b> , 62, 520-538	60
1866	Surprising results on phylogenetic tree building methods based on molecular sequences. <b>2012</b> , 13, 148	7
1865	Evolution of the PWWP-domain encoding genes in the plant and animal lineages. <b>2012</b> , 12, 101	13
1864	The mammalian PYHIN gene family: phylogeny, evolution and expression. <b>2012</b> , 12, 140	131
1863	Opsin evolution and expression in arthropod compound eyes and ocelli: insights from the cricket <i>Gryllus bimaculatus</i> . <b>2012</b> , 12, 163	57
1862	Expansion of the gamma-gliadin gene family in <i>Aegilops</i> and <i>Triticum</i> . <b>2012</b> , 12, 215	21
1861	Molecular evolution of pentatricopeptide repeat genes reveals truncation in species lacking an editing target and structural domains under distinct selective pressures. <b>2012</b> , 12, 66	22
1860	Characterization and gene expression analysis of the cir multi-gene family of <i>Plasmodium chabaudi</i> chabaudi (AS). <b>2012</b> , 13, 125	19
1859	The <i>Schistosoma mansoni</i> phylome: using evolutionary genomics to gain insight into a parasite's biology. <b>2012</b> , 13, 617	23
1858	Extensive remodeling of the <i>Pseudomonas syringae</i> pv. <i>avellanae</i> type III secretome associated with two independent host shifts onto hazelnut. <b>2012</b> , 12, 141	41
1857	In silico evolutionary analysis of <i>Helicobacter pylori</i> outer membrane phospholipase A (OMPLA). <b>2012</b> , 12, 206	3
1856	Frequency of subtype B and F1 dual infection in HIV-1 positive, Brazilian men who have sex with men. <b>2012</b> , 9, 223	11
1855	Bacterial and fungal chitinase chiJ orthologs evolve under different selective constraints following horizontal gene transfer. <b>2012</b> , 5, 581	13
1854	In silico approach to predict candidate R proteins and to define their domain architecture. <b>2012</b> , 5, 678	34
1853	New species of <i>Ehrlichia</i> isolated from <i>Rhipicephalus</i> ( <i>Boophilus</i> ) <i>microplus</i> shows an ortholog of the <i>E. canis</i> major immunogenic glycoprotein gp36 with a new sequence of tandem repeats. <b>2012</b> , 5, 291	43
1852	Development of an embryonic skeletogenic mesenchyme lineage in a sea cucumber reveals the trajectory of change for the evolution of novel structures in echinoderms. <b>2012</b> , 3, 17	46



1851	Isomucor (Mucoromycotina): a new genus from a Cerrado reserve in state of Sao Paulo, Brazil. <b>2012</b> , 104, 232-41	15
1850	Inferring orthology and paralogy. <b>2012</b> , 855, 259-79	71
1849	Phylogenetic and mixed Yule-coalescent analyses reveal cryptic lineages within two South American marine snails of the genus <i>Crepidatella</i> (Gastropoda: Calyptraeidae). <b>2012</b> , 131, 301-311	9
1848	LEC-2, a highly variable lectin in the lichen. <b>2012</b> , 58, 91-98	18
1847	<i>Sporosarcina newyorkensis</i> sp. nov. from clinical specimens and raw cow's milk. <b>2012</b> , 62, 322-329	11
1846	Microbial community diversity and composition across a gradient of soil acidity in sprucefir forests of the southern Appalachian Mountains. <b>2012</b> , 61, 60-68	29
1845	<i>Cupriavidus alkaliphilus</i> sp. nov., a new species associated with agricultural plants that grow in alkaline soils. <b>2012</b> , 35, 310-4	30
1844	Comparative pathogenomics reveals horizontally acquired novel virulence genes in fungi infecting cereal hosts. <b>2012</b> , 8, e1002952	136
1843	Hantavirus infection prevalence in wild rodents and human anti-hantavirus serological profiles from different geographic areas of South Brazil. <b>2012</b> , 87, 371-8	16
1842	The essentials of computational molecular evolution. <b>2012</b> , 855, 111-52	23
1841	Molecular phylogeny of the Robust clade (Faviidae, Mussidae, Merulinidae, and Pectiniidae): an Indian Ocean perspective. <b>2012</b> , 65, 183-93	54
1840	Fish lateral line innovation: insights into the evolutionary genomic dynamics of a unique mechanosensory organ. <b>2012</b> , 29, 3887-98	10
1839	The evolution of vertebrate somatostatin receptors and their gene regions involves extensive chromosomal rearrangements. <b>2012</b> , 12, 231	27
1838	Bootstrapping phylogenies inferred from rearrangement data. <b>2012</b> , 7, 21	10
1837	Complexity of the <i>Mycoplasma fermentans</i> M64 genome and metabolic essentiality and diversity among mycoplasmas. <b>2012</b> , 7, e32940	5
1836	The origin and evolutionary history of HIV-1 subtype C in Senegal. <b>2012</b> , 7, e33579	18
1835	Discovery and genomic characterization of a novel bat sapovirus with unusual genomic features and phylogenetic position. <b>2012</b> , 7, e34987	36
1834	Novel expression patterns of metabotropic glutamate receptor 6 in the zebrafish nervous system. <b>2012</b> , 7, e35256	22

1833	Detection of retroviral super-infection from non-invasive samples. <b>2012</b> , 7, e36570	4
1832	Identification and characterisation of a novel acylpeptide hydrolase from <i>Sulfolobus solfataricus</i> : structural and functional insights. <b>2012</b> , 7, e37921	8
1831	Evidence of at least two introductions of HIV-1 in the Amerindian Warao population from Venezuela. <b>2012</b> , 7, e40626	19
1830	Phylogenetics of HIV-1 subtype C epidemic in east Africa. <b>2012</b> , 7, e41904	30
1829	A European melting pot of harbour porpoise in the French Atlantic coasts inferred from mitochondrial and nuclear data. <b>2012</b> , 7, e44425	16
1828	HIV-1 subtypes and recombinants in Northern Tanzania: distribution of viral quasispecies. <b>2012</b> , 7, e47605	12
1827	Putative monofunctional type I polyketide synthase units: a dinoflagellate-specific feature?. <b>2012</b> , 7, e48624	31
1826	Genetic diversity of NS3 protease from Brazilian HCV isolates and possible implications for therapy with direct-acting antiviral drugs. <b>2012</b> , 107, 254-61	18
1825	A large phylogeny of turtles (Testudines) using molecular data. <b>2012</b> , 81, 147-158j	84
1824	The predominantly selfing plant <i>Arabidopsis thaliana</i> experienced a recent reduction in transposable element abundance compared to its outcrossing relative <i>Arabidopsis lyrata</i> . <b>2012</b> , 3, 2	43
1823	The ABC transporters in <i>Candidatus Liberibacter asiaticus</i> . <b>2012</b> , 80, 2614-28	28
1822	Archaeal diversity: temporal variation in the arsenic-rich creek sediments of Carnoulès Mine, France. <b>2012</b> , 16, 645-57	36
1821	Evolution of increased complexity in a molecular machine. <b>2012</b> , 481, 360-4	135
1820	Phylogenetic diversity promotes ecosystem stability. <b>2012</b> , 93, S223-S233	285
1819	Identification of two carbonic anhydrases in the mantle of the European Abalone <i>Haliotis tuberculata</i> (Gastropoda, Haliotidae): phylogenetic implications. <b>2012</b> , 318, 353-67	26
1818	Comparative genomics of rhizobia nodulating soybean suggests extensive recruitment of lineage-specific genes in adaptations. <b>2012</b> , 109, 8629-34	171
1817	Identification of the western tarnished plant bug ( <i>Lygus hesperus</i> ) olfactory co-receptor Orco: expression profile and confirmation of atypical membrane topology. <b>2012</b> , 81, 179-98	18
1816	Evolution and functional diversification of the small heat shock protein/Æcrystallin family in higher plants. <b>2012</b> , 235, 1299-313	53

1815	Rananos expression pattern during oogenesis and early embryonic development in <i>Rhynchosciara americana</i> . <b>2012</b> , 222, 153-64	4
1814	Three novel myxobolid species of genera <i>Henneguya</i> and <i>Myxobolus</i> (Myxosporaea: Bivalvulida) from marine fish in Japan. <b>2012</b> , 111, 819-26	29
1813	Comparative analysis of cyanobacteria in the rhizosphere and as endosymbionts of cycads in drought-affected soils. <b>2012</b> , 80, 204-15	19
1812	<i>Dermacentor variabilis</i> : characterization and modeling of macrophage migration inhibitory factor with phylogenetic comparisons to other ticks, insects and parasitic nematodes. <b>2012</b> , 130, 232-8	7
1811	A high prevalence of <i>Theileria penicillata</i> in woylies ( <i>Bettongia penicillata</i> ). <b>2012</b> , 131, 157-61	9
1810	Genetic and molecular characterization reveals a unique nucleobase cation symporter 1 in <i>Arabidopsis</i> . <b>2012</b> , 586, 1370-8	27
1809	A SURVEY OF BANGIALES (RHODOPHYTA) BASED ON MULTIPLE MOLECULAR MARKERS REVEALS CRYPTIC DIVERSITY(1). <b>2012</b> , 48, 869-82	54
1808	Phylogenetics of HIV-1 subtype F1 in Angola, Brazil and Romania. <b>2012</b> , 12, 1079-86	22
1807	Evidence of multiple introductions of HIV-1 subtype C in Angola. <b>2012</b> , 12, 1458-65	8
1806	Molecular evolution of $\beta$ integrin binding site to lentiviral envelope proteins in new world primates. <b>2012</b> , 12, 1501-7	2
1805	A suite of citrate-derived siderophores from a marine <i>Vibrio</i> species isolated following the Deepwater Horizon oil spill. <b>2012</b> , 107, 90-5	22
1804	Detection, molecular characterization and phylogenetic analysis of full-length equine infectious anemia (EIAV) gag genes isolated from Shackleford Banks wild horses. <b>2012</b> , 157, 320-32	21
1803	A novel quadripartite dsRNA virus isolated from a phytopathogenic filamentous fungus, <i>Rosellinia necatrix</i> . <b>2012</b> , 426, 42-50	73
1802	Conservation of the photoperiodic neuroendocrine axis among vertebrates: evidence from the teleost fish, <i>Gasterosteus aculeatus</i> . <b>2012</b> , 178, 19-27	25
1801	The role of immigration and in-situ radiation in explaining blood parasite assemblages in an island bird clade. <b>2012</b> , 21, 1438-52	19
1800	<i>Aspergillus nidulans</i> CkiA is an essential casein kinase I required for delivery of amino acid transporters to the plasma membrane. <b>2012</b> , 84, 530-49	26
1799	veA-dependent RNA-pol II transcription elongation factor-like protein, RtfA, is associated with secondary metabolism and morphological development in <i>Aspergillus nidulans</i> . <b>2012</b> , 85, 795-814	19
1798	Cyanobacterial construction of hot spring siliceous stromatolites in Yellowstone National Park. <b>2012</b> , 14, 1182-97	52

1797	Evolution and biodiversity of L1 retrotransposons in angiosperm genomes. <b>2012</b> , 2, 72-78	3
1796	Mitochondrial cytochrome b sequences resolve the taxonomy of field mice ( <i>Apodemus</i> ) in the western Balkan refugium. <b>2012</b> , 57, 1-7	8
1795	Phylogeography of the marine interstitial nemertean <i>Otocyphlonemertes parmula</i> (Nemertea, Hoplonemertea) reveals cryptic diversity and high dispersal potential. <b>2012</b> , 159, 661-674	18
1794	Concerted evolution of satellite DNA in <i>Sarcocapnos</i> : a matter of time. <b>2012</b> , 78, 19-29	16
1793	Can the destruction of California oak woodlands be prevented? Potential for biological control of the goldspotted oak borer, <i>Agrilus auroguttatus</i> . <b>2012</b> , 57, 211-225	23
1792	Genetic variation and widespread dispersal of <i>Nosema ceranae</i> in <i>Apis mellifera</i> apiaries from Argentina. <b>2012</b> , 110, 859-64	47
1791	Postnatally-transmitted HIV-1 Envelope variants have similar neutralization-sensitivity and function to that of nontransmitted breast milk variants. <b>2013</b> , 10, 3	33
1790	The <i>Arabidopsis thaliana</i> ortholog of a purported maize cholinesterase gene encodes a GDSE-lipase. <b>2013</b> , 81, 565-76	5
1789	<i>Neisseria oralis</i> sp. nov., isolated from healthy gingival plaque and clinical samples. <b>2013</b> , 63, 1323-1328	23
1788	Identification of bacterial infection in neotropical primates. <b>2013</b> , 66, 471-8	2
1787	Evolution of cytochrome bc complexes: from membrane-anchored dehydrogenases of ancient bacteria to triggers of apoptosis in vertebrates. <b>2013</b> , 1827, 1407-27	64
1786	Nod factor perception protein carries weight in biotic interactions. <b>2013</b> , 18, 566-74	43
1785	Phylogeny Reconstruction. <b>2013</b> ,	
1784	The Iranian vole <i>Microtus irani</i> occurs in Lebanon (Mammalia: Rodentia). <b>2013</b> , 59, 101-106	5
1783	A comparative study of ancient environmental DNA to pollen and macrofossils from lake sediments reveals taxonomic overlap and additional plant taxa. <b>2013</b> , 75, 161-168	72
1782	Cryptic diversity in <i>Brevipalpus</i> mites (Tenuipalpidae). <b>2013</b> , 42, 406-426	33
1781	Intergeneric recombination between a new, spinach-infecting curtovirus and a new geminivirus belonging to the genus <i>Becurtovirus</i> : first New World exemplar. <b>2013</b> , 158, 2245-54	14
1780	Contrasting patterns of community assembly in the stratified water column of Great Salt Lake, Utah. <b>2013</b> , 66, 268-80	53

1779	Late-Pleistocene Phylogeography and Demographic History of Two Evolutionary Lineages of <i>Artibeus jamaicensis</i> (Chiroptera: Phyllostomidae) in Mexico. <b>2013</b> , 15, 19-33	8
1778	Analyses of the radiation of birnaviruses from diverse host phyla and of their evolutionary affinities with other double-stranded RNA and positive strand RNA viruses using robust structure-based multiple sequence alignments and advanced phylogenetic methods. <b>2013</b> , 13, 154	6
1777	Genome sequence reveals that <i>Pseudomonas fluorescens</i> F113 possesses a large and diverse array of systems for rhizosphere function and host interaction. <b>2013</b> , 14, 54	65
1776	Characterization of the ribosomal RNA gene of <i>Kudoa neothunni</i> (Myxosporaea: Multivalvulida) in tunas ( <i>Thunnus</i> spp.) and <i>Kudoa scomberi</i> n. sp. in a chub mackerel ( <i>Scomber japonicus</i> ). <b>2013</b> , 112, 1991-2003 <sup>31</sup>	31
1775	Posterior elongation in the annelid <i>Platynereis dumerilii</i> involves stem cells molecularly related to primordial germ cells. <b>2013</b> , 382, 246-67	60
1774	Phylogenetic analysis of burkholderia species by multilocus sequence analysis. <b>2013</b> , 67, 51-60	121
1773	Long-term phosphorus fertilisation increased the diversity of the total bacterial community and the phoD phosphorus mineraliser group in pasture soils. <b>2013</b> , 49, 661-672	174
1772	Novel ssDNA viruses discovered in yellow-crowned parakeet ( <i>Cyanoramphus auriceps</i> ) nesting material. <b>2013</b> , 158, 1603-7	12
1771	The HOG signal transduction pathway in the halophilic fungus <i>Wallemia ichthyophaga</i> : identification and characterisation of MAP kinases WiHog1A and WiHog1B. <b>2013</b> , 17, 623-36	24
1770	Genetic diversity and host range studies of turnip curly top virus. <b>2013</b> , 46, 345-53	22
1769	Antifungal peptides homologous to the <i>Penicillium chrysogenum</i> antifungal protein (PAF) are widespread among <i>Fusaria</i> . <b>2013</b> , 39, 131-7	18
1768	A putative terpene cyclase, <i>vir4</i> , is responsible for the biosynthesis of volatile terpene compounds in the biocontrol fungus <i>Trichoderma virens</i> . <b>2013</b> , 56, 67-77	61
1767	Molecular evolution of LysR-type transcriptional regulation in <i>Pseudomonas aeruginosa</i> . <b>2013</b> , 66, 1041-9	13
1766	Characterization of a serine hydrolase targeted by acyl-protein thioesterase inhibitors in <i>Toxoplasma gondii</i> . <b>2013</b> , 288, 27002-27018	19
1765	Phylogenetic analysis of the S segment from Jucituba hantavirus: identification of two distinct lineages in <i>Oligoryzomys nigripes</i> . <b>2013</b> , 18, 262-8	15
1764	Isolation and expression of cytochrome P450 genes in the antennae and gut of pine beetle <i>Dendroctonus rhizophagus</i> (Curculionidae: Scolytinae) following exposure to host monoterpenes. <b>2013</b> , 520, 47-63	39
1763	Characterization of a putative oomycete taurocyamine kinase: Implications for the evolution of the phosphagen kinase family. <b>2013</b> , 166, 173-81	13
1762	<i>Eimeria tiliquae</i> n. sp. (Apicomplexa: Eimeriidae) from the shingleback skink ( <i>Tiliqua rugosa rugosa</i> ). <b>2013</b> , 133, 144-9	4

1761	Biogeographic determinants of genetic diversification in the mouse opossum <i>Gracilinanus agilis</i> (Didelphimorphia: Didelphidae). <b>2013</b> , 104, 613-26	27
1760	Phylogeny and expression divergence of metabotropic glutamate receptor genes in the brain of zebrafish ( <i>Danio rerio</i> ). <b>2013</b> , 521, 1533-60	28
1759	Agarics of Alders 2 ¶ Three New Species of <i>Alnicola</i> (Agaricales, Hymenogastraceae) with a Key to Species Associated with <i>Alnus alnobetula</i> in Europe. <b>2013</b> , 34, 149-173	2
1758	Phylogeny and expression of canonical transient receptor potential (TRPC) genes in developing zebrafish. <b>2013</b> , 242, 1427-41	13
1757	The genus <i>Melanthalia</i> (Gracilariales, Rhodophyta): new insights from New Caledonia and New Zealand. <b>2013</b> , 52, 426-436	7
1756	Molecular characterization of zebrafish <i>Oatp1d1</i> ( <i>Slco1d1</i> ), a novel organic anion-transporting polypeptide. <b>2013</b> , 288, 33894-33911	25
1755	A new species of tapir from the Amazon. <b>2013</b> , 94, 1331-1345	53
1754	Conservation of globin genes in the "living fossil" <i>Latimeria chalumnae</i> and reconstruction of the evolution of the vertebrate globin family. <b>2013</b> , 1834, 1801-12	23
1753	Integrative taxonomy of the freshwater worm <i>Rhyacodrilus falciformis</i> s.l. (Clitellata: Naididae), with the description of a new species. <b>2013</b> , 42, n/a-n/a	10
1752	Identifying reaction modules in metabolic pathways: bioinformatic deduction and experimental validation of a new putative route in purine catabolism. <b>2013</b> , 7, 99	9
1751	Fuzzy clustering of CPP family in plants with evolution and interaction analyses. <b>2013</b> , 14 Suppl 13, S10	8
1750	Evolutionary diversification and characterization of the eubacterial gene family encoding DXR type II, an alternative isoprenoid biosynthetic enzyme. <b>2013</b> , 13, 180	7
1749	Horizontally transferred genes in the genome of Pacific white shrimp, <i>Litopenaeus vannamei</i> . <b>2013</b> , 13, 165	13
1748	<i>Nannochloropsis</i> plastid and mitochondrial phylogenomes reveal organelle diversification mechanism and intragenus phylotyping strategy in microalgae. <b>2013</b> , 14, 534	45
1747	Phylogenetic analysis of <i>Helicobacter pylori</i> <i>cagA</i> gene of Turkish isolates and the association with gastric pathology. <b>2013</b> , 5, 33	1
1746	The vertebrate ancestral repertoire of visual opsins, transducin alpha subunits and oxytocin/vasopressin receptors was established by duplication of their shared genomic region in the two rounds of early vertebrate genome duplications. <b>2013</b> , 13, 238	90
1745	<i>Burkholderia caballeronis</i> sp. nov., a nitrogen fixing species isolated from tomato ( <i>Lycopersicon esculentum</i> ) with the ability to effectively nodulate <i>Phaseolus vulgaris</i> . <b>2013</b> , 104, 1063-71	45
1744	Phylogenomic analysis of Cation Diffusion Facilitator proteins uncovers Ni <sup>2+</sup> /Co <sup>2+</sup> transporters. <b>2013</b> , 5, 1634-43	42

1743	Extensive recombination detected among beak and feather disease virus isolates from breeding facilities in Poland. <b>2013</b> , 94, 1086-1095	44
1742	First record of the genus <i>Dudresnaya</i> (Dumontiaceae, Rhodophyta) in New Zealand waters. <b>2013</b> , 61, 191-198	2
1741	<i>Leucoagaricus gongylophorus</i> produces diverse enzymes for the degradation of recalcitrant plant polymers in leaf-cutter ant fungus gardens. <b>2013</b> , 79, 3770-8	75
1740	<i>Metallibacterium scheffleri</i> gen. nov., sp. nov., an alkalinizing gammaproteobacterium isolated from an acidic biofilm. <b>2013</b> , 63, 1499-1504	52
1739	Macedovicin, the second food-grade lantibiotic produced by <i>Streptococcus macedonicus</i> ACA-DC 198. <b>2013</b> , 33, 124-30	22
1738	Intestinal barrier of carp ( <i>Cyprinus carpio</i> L.) during a cyprinid herpesvirus 3-infection: molecular identification and regulation of the mRNA expression of claudin encoding genes. <b>2013</b> , 34, 305-14	41
1737	Comparative phylogeography reveals distinct colonization patterns of Cretan snakes. <b>2013</b> , 40, 1143-1155	25
1736	Molecular and microscopic evidence of viruses in marine copepods. <b>2013</b> , 110, 1375-80	62
1735	Quaternary climate and environmental changes have shaped genetic differentiation in a Chinese pheasant endemic to the eastern margin of the Qinghai-Tibetan Plateau. <b>2013</b> , 67, 129-39	23
1734	Discovery of a novel circular single-stranded DNA virus from porcine faeces. <b>2013</b> , 158, 283-9	30
1733	Fulfilling Koch's postulates for beet curly top Iran virus and proposal for consideration of new genus in the family Geminiviridae. <b>2013</b> , 158, 435-43	33
1732	Increasing heterosexual transmission of HIV-1 subtype C in Inland Central Western Brazil. <b>2013</b> , 85, 396-404	11
1731	A novel virus in the family Hypoviridae from the plant pathogenic fungus <i>Fusarium graminearum</i> . <b>2013</b> , 174, 69-77	49
1730	A molecular contribution to the assessment of the <i>Tricholoma equestre</i> species complex. <b>2013</b> , 117, 145-55	16
1729	Functional and evolutionary analysis of DXL1, a non-essential gene encoding a 1-deoxy-D-xylulose 5-phosphate synthase like protein in <i>Arabidopsis thaliana</i> . <b>2013</b> , 524, 40-53	17
1728	Novel myco-like DNA viruses discovered in the faecal matter of various animals. <b>2013</b> , 177, 209-16	63
1727	The nucleobase cation symporter 1 of <i>Chlamydomonas reinhardtii</i> and that of the evolutionarily distant <i>Arabidopsis thaliana</i> display parallel function and establish a plant-specific solute transport profile. <b>2013</b> , 70, 52-60	19
1726	Spliceosome twin introns in fungal nuclear transcripts. <b>2013</b> , 57, 48-57	12

1725	Evolution of cyclic amidohydrolases: a highly diversified superfamily. <b>2013</b> , 77, 70-80	8
1724	Novel <i>Eimeria</i> sp. isolated from a King's skink ( <i>Egernia kingii</i> ) in Western Australia. <b>2013</b> , 133, 162-5	18
1723	High frequency of HIV-1 infections with multiple HIV-1 strains in men having sex with men (MSM) in Senegal. <b>2013</b> , 20, 206-14	12
1722	Resurrection of an Urbilaterian U1A/U2B <sup>?</sup> /SNF protein. <b>2013</b> , 425, 3846-62	13
1721	Characterization of burdock mottle virus, a novel member of the genus <i>Benyvirus</i> , and the identification of benyvirus-related sequences in the plant and insect genomes. <b>2013</b> , 177, 75-86	22
1720	A comprehensive molecular phylogeny for the hornbills ( <i>Aves</i> : Bucerotidae). <b>2013</b> , 67, 468-83	21
1719	Phylogenetic aspects of the sulfate assimilation genes from <i>Thalassiosira pseudonana</i> . <b>2013</b> , 44, 1253-65	9
1718	The discovery of <i>Foxl2</i> paralogs in chondrichthyan, coelacanth and tetrapod genomes reveals an ancient duplication in vertebrates. <b>2013</b> , 111, 57-65	18
1717	Community-wide plasmid gene mobilization and selection. <b>2013</b> , 7, 1173-86	96
1716	Ancient DNA reveals that bowhead whale lineages survived Late Pleistocene climate change and habitat shifts. <b>2013</b> , 4, 1677	53
1715	A phylogeny and revised classification of Squamata, including 4161 species of lizards and snakes. <b>2013</b> , 13, 93	946
1714	Understanding the formation of ancient intertropical disjunct distributions using Asian and Neotropical hinged-teeth snakes ( <i>Sibynophis</i> and <i>Scaphiodontophis</i> : <i>Serpentes</i> : <i>Colubridae</i> ). <b>2013</b> , 66, 254-61	22
1713	The role of historical barriers in the diversification processes in open vegetation formations during the Miocene/Pliocene using an ancient rodent lineage as a model. <b>2013</b> , 8, e61924	56
1712	Longitudinal ultradeep characterization of HIV type 1 R5 and X4 subpopulations in patients followed from primary infection to coreceptor switch. <b>2013</b> , 29, 1237-44	4
1711	Phylogeography of Silver Pheasant ( <i>Lophura nycthemera</i> L.) across China: aggregate effects of refugia, introgression and riverine barriers. <b>2013</b> , 22, 3376-90	31
1710	A Molecular Phylogenetic Study of the Tribe Corallineae ( <i>Corallinales</i> , <i>Rhodophyta</i> ) with an Assessment of Genus-Level Taxonomic Features and Descriptions of Novel Genera. <b>2013</b> , 49, 103-14	56
1709	Genomic evidence for the parallel evolution of coastal forms in the <i>Senecio lautus</i> complex. <b>2013</b> , 22, 2941-52	80
1708	Expressed sequence tags and molecular cloning and characterization of gene encoding pinoresinol/lariciresinol reductase from <i>Podophyllum hexandrum</i> . <b>2013</b> , 250, 1239-49	25



1707	A novel multiregion hybridization assay reveals high frequency of dual inter-subtype infections among HIV-positive individuals in Cameroon, West Central Africa. <b>2013</b> , 14, 73-82	7
1706	Evidence for negative-strand RNA virus infection in fungi. <b>2013</b> , 435, 201-9	57
1705	Do acid-tolerant picocyanobacteria exist? A study of two strains isolated from humic lakes in Poland. <b>2013</b> , 707, 209-218	6
1704	The wheat curl mite <i>Aceria tosichella</i> (Acari: Eriophyoidea) is a complex of cryptic lineages with divergent host ranges: evidence from molecular and plant bioassay data. <b>2013</b> , 109, 165-180	55
1703	Genetic Diversity of the Photobiont of the Bipolar Lichen-Forming Ascomycete <i>Xanthomendoza borealis</i> . <b>2013</b> , 26, 307-322	7
1702	Microbial community diversity in a 21-year-old temperate alley cropping system. <b>2013</b> , 87, 1031-1041	15
1701	Diversity of Planctomycetes in iron-hydroxide deposits from the Arctic Mid Ocean Ridge (AMOR) and description of <i>Bythopirellula goksoyri</i> gen. nov., sp. nov., a novel Planctomycete from deep sea iron-hydroxide deposits. <b>2013</b> , 104, 569-84	31
1700	A novel victorivirus from a phytopathogenic fungus, <i>Rosellinia necatrix</i> , is infectious as particles and targeted by RNA silencing. <b>2013</b> , 87, 6727-38	58
1699	Activity, distribution and function of indole-3-acetic acid biosynthetic pathways in bacteria. <b>2013</b> , 39, 395-415	105
1698	Anaerobic oxidation of methane in hypersaline cold seep sediments. <b>2013</b> , 83, 214-31	42
1697	HIV-1 epidemic in Warao Amerindians from Venezuela: spatial phylodynamics and epidemiological patterns. <b>2013</b> , 27, 1783-91	25
1696	Formin' cellular structures: Physiological roles of Diaphanous (Dia) in actin dynamics. <b>2013</b> , 6, e27634	27
1695	Local adaptation, refugial isolation and secondary contact of Alpine populations of the land snail <i>Arianta arbustorum</i> . <b>2013</b> , 79, 241-248	16
1694	Biophysical mechanisms for large-effect mutations in the evolution of steroid hormone receptors. <b>2013</b> , 110, 11475-80	49
1693	DNA-binding specificity changes in the evolution of forkhead transcription factors. <b>2013</b> , 110, 12349-54	116
1692	CodonPhyML: fast maximum likelihood phylogeny estimation under codon substitution models. <b>2013</b> , 30, 1270-80	77
1691	<i>Hazenella coriacea</i> gen. nov., sp. nov., isolated from clinical specimens. <b>2013</b> , 63, 4087-4093	12
1690	Evaluating phylogenetic informativeness as a predictor of phylogenetic signal for metazoan, fungal, and mammalian phylogenomic data sets. <b>2013</b> , 2013, 621604	16

1689	The association of a La module with the PABP-interacting motif PAM2 is a recurrent evolutionary process that led to the neofunctionalization of La-related proteins. <b>2013</b> , 19, 36-50	35
1688	Evolutionary toggling of Vpx/Vpr specificity results in divergent recognition of the restriction factor SAMHD1. <b>2013</b> , 9, e1003496	68
1687	Plant-symbiotic fungi as chemical engineers: multi-genome analysis of the clavicipitaceae reveals dynamics of alkaloid loci. <b>2013</b> , 9, e1003323	295
1686	Evolutionary dynamics of West Nile virus in the United States, 1999-2011: phylogeny, selection pressure and evolutionary time-scale analysis. <b>2013</b> , 7, e2245	49
1685	The evolution of the knirps family of transcription factors in arthropods. <b>2013</b> , 30, 1348-57	14
1684	Co-expression of VAL- and TMT-opsins uncovers ancient photosensory interneurons and motorneurons in the vertebrate brain. <b>2013</b> , 11, e1001585	44
1683	Acquisition of an Archaea-like ribonuclease H domain by plant L1 retrotransposons supports modular evolution. <b>2013</b> , 110, 20140-5	23
1682	Insights into $\beta$ -lactamases from Burkholderia species, two phylogenetically related yet distinct resistance determinants. <b>2013</b> , 288, 19090-102	40
1681	Transfer of Wautersia numazuensis to the genus Cupriavidus as Cupriavidus numazuensis comb. nov. <b>2013</b> , 63, 208-211	11
1680	Ultrafast approximation for phylogenetic bootstrap. <b>2013</b> , 30, 1188-95	1669
1679	Experimental evidence that evolutionarily diverse assemblages result in higher productivity. <b>2013</b> , 110, 8996-9000	167
1678	Isolation of optically targeted single bacteria by application of fluidic force microscopy to aerobic anoxygenic phototrophs from the phyllosphere. <b>2013</b> , 79, 4895-905	34
1677	The perils of pathogen discovery: origin of a novel parvovirus-like hybrid genome traced to nucleic acid extraction spin columns. <b>2013</b> , 87, 11966-77	176
1676	Molecular cloning and characterization of novel glutamate-gated chloride channel subunits from Schistosoma mansoni. <b>2013</b> , 9, e1003586	26
1675	p0071/PKP4, a multifunctional protein coordinating cell adhesion with cytoskeletal organization. <b>2013</b> , 394, 1005-17	22
1674	Structure-function relationships of two paralogous single-stranded DNA-binding proteins from Streptomyces coelicolor: implication of SsbB in chromosome segregation during sporulation. <b>2013</b> , 41, 3659-72	13
1673	Mitochondrial phylogenomics of modern and ancient equids. <b>2013</b> , 8, e55950	99
1672	A conserved rubredoxin is necessary for photosystem II accumulation in diverse oxygenic photoautotrophs. <b>2013</b> , 288, 26688-96	41

1671	High global diversity of cycloviruses amongst dragonflies. <b>2013</b> , 94, 1827-1840	48
1670	Global analysis of apicomplexan protein S-acyl transferases reveals an enzyme essential for invasion. <b>2013</b> , 14, 895-911	59
1669	MoeH5: a natural glycorandomizer from the moenomycin biosynthetic pathway. <b>2013</b> , 90, 1324-38	11
1668	Distribution and diversity of bacterial secretion systems across metagenomic datasets. <b>2013</b> , 5, 117-26	42
1667	A Molecular Survey of Ulva (Chlorophyta) in Temperate Australia Reveals Enhanced Levels of Cosmopolitanism. <b>2013</b> , 49, 69-81	69
1666	In vitro culture of a novel genotype of Ehrlichia sp. from Brazil. <b>2013</b> , 60 Suppl 2, 86-92	19
1665	A comparison of organophosphate degradation genes and bioremediation applications. <b>2013</b> , 5, 787-98	33
1664	Effects of defective interfering RNA on symptom induction by, and replication of, a novel partitivirus from a phytopathogenic fungus, Rosellinia necatrix. <b>2013</b> , 87, 2330-41	65
1663	Molecular evolution of peptidergic signaling systems in bilaterians. <b>2013</b> , 110, E2028-37	247
1662	Novel ssDNA virus recovered from estuarine Mollusc ( <i>Amphibola crenata</i> ) whose replication associated protein (Rep) shares similarities with Rep-like sequences of bacterial origin. <b>2013</b> , 94, 1104-1110	18
1661	Boronated tartrolon antibiotic produced by symbiotic cellulose-degrading bacteria in shipworm gills. <b>2013</b> , 110, E295-304	61
1660	Ancestral amphibian v2rs are expressed in the main olfactory epithelium. <b>2013</b> , 110, 7714-9	36
1659	Genetic diversity of HCV in Brazil. <b>2013</b> , 18, 435-44	22
1658	Characterisation and localisation of the opsin protein repertoire in the brain and retinas of a spider and an onychophoran. <b>2013</b> , 13, 186	37
1657	Identification of novel genes for bitter taste receptors in sheep ( <i>Ovis aries</i> ). <b>2013</b> , 7, 547-54	7
1656	Phylogenetic study of Class Armophorea ( <i>Alveolata</i> , <i>Ciliophora</i> ) based on 18S-rDNA data. <b>2013</b> , 36, 571-85	25
1655	Candidate chemosensory genes in the Stemborer <i>Sesamia nonagrioides</i> . <b>2013</b> , 9, 481-95	40
1654	tRNA genes rapidly change in evolution to meet novel translational demands. <b>2013</b> , 2, e01339	58

1653	Detection of genetic diversity of <i>Anaplasma marginale</i> isolates in Minas Gerais, Brazil. <b>2013</b> , 22, 129-35	30
1652	Diversification of SUMO-activating enzyme in <i>Arabidopsis</i> : implications in SUMO conjugation. <b>2013</b> , 6, 1646-60	38
1651	Iteratively refined guide trees help improving alignment and phylogenetic inference in the mushroom family Bolbitiaceae. <b>2013</b> , 8, e56143	21
1650	Genes <i>ycfR</i> , <i>sirA</i> and <i>yigG</i> contribute to the surface attachment of <i>Salmonella enterica</i> Typhimurium and Saintpaul to fresh produce. <b>2013</b> , 8, e57272	36
1649	The complete genome sequence of the plant growth-promoting bacterium <i>Pseudomonas</i> sp. UW4. <b>2013</b> , 8, e58640	108
1648	Horizontal transfer of a subtilisin gene from plants into an ancestor of the plant pathogenic fungal genus <i>Colletotrichum</i> . <b>2013</b> , 8, e59078	24
1647	A comparison of the olfactory gene repertoires of adults and larvae in the noctuid moth <i>Spodoptera littoralis</i> . <b>2013</b> , 8, e60263	82
1646	Genes of the mitochondrial apoptotic pathway in <i>Mytilus galloprovincialis</i> . <b>2013</b> , 8, e61502	47
1645	Irish <i>Cepaea nemoralis</i> Land Snails Have a Cryptic Franco-Iberian Origin That Is Most Easily Explained by the Movements of Mesolithic Humans. <b>2013</b> , 8, e65792	25
1644	Phylogenetics of the HIV-1 epidemic in Cuba. <b>2013</b> , 8, e72448	21
1643	Tracing the origin and northward dissemination dynamics of HIV-1 subtype C in Brazil. <b>2013</b> , 8, e74072	17
1642	DIRS and Ngara Retrotransposons in Fungi. <b>2013</b> , 8, e76319	14
1641	<i>Leptospira interrogans</i> serovar <i>copenhageni</i> harbors two <i>lexA</i> genes involved in SOS response. <b>2013</b> , 8, e76419	12
1640	The lesser of two weevils: molecular-genetics of pest palm weevil populations confirm <i>Rhynchophorus vulneratus</i> (Panzer 1798) as a valid species distinct from <i>R. ferrugineus</i> (Olivier 1790), and reveal the global extent of both. <b>2013</b> , 8, e78379	59
1639	Multiple independent introductions of HIV-1 CRF01_AE identified in China: what are the implications for prevention?. <b>2013</b> , 8, e80487	16
1638	Novel insight into the genetic context of the <i>cadAB</i> genes from a 4-chloro-2-methylphenoxyacetic acid-degrading <i>Sphingomonas</i> . <b>2013</b> , 8, e83346	21
1637	Oligochaeta (Annelida) of the profundal of Lake Hazar (Turkey), with description of <i>Potamothrix alatus hazaricus</i> n. ssp. <b>2013</b> , 3716, 144-56	11
1636	Classifying the metal dependence of uncharacterized nitrogenases. <b>2012</b> , 3, 419	45

1635	The role of tetraether lipid composition in the adaptation of thermophilic archaea to acidity. <b>2013</b> , 4, 62	41
1634	The evolutionary relationship between microbial rhodopsins and metazoan rhodopsins. <b>2013</b> , 2013, 435651	11
1633	ClassyFlu: classification of influenza A viruses with Discriminatively trained profile-HMMs. <b>2014</b> , 9, e84558	10
1632	Genomic analysis of <i>Xanthomonas translucens</i> pathogenic on wheat and barley reveals cross-kingdom gene transfer events and diverse protein delivery systems. <b>2014</b> , 9, e84995	28
1631	Molecular epidemiology of HIV-1 in Panama: origin of non-B subtypes in samples collected from 2007 to 2013. <b>2014</b> , 9, e85153	6
1630	Fast-evolving mitochondrial DNA in Ceriantharia: a reflection of hexacorallia paraphyly?. <b>2014</b> , 9, e86612	42
1629	RNA viral metagenome of whiteflies leads to the discovery and characterization of a whitefly-transmitted carlavirus in North America. <b>2014</b> , 9, e86748	35
1628	Microbial community structure in lake and wetland sediments from a high Arctic polar desert revealed by targeted transcriptomics. <b>2014</b> , 9, e89531	27
1627	Phylogeny of <i>Amazona barbadensis</i> and the Yellow-headed Amazon complex (Aves: Psittacidae): a new look at South American parrot evolution. <b>2014</b> , 9, e97228	5
1626	Spatiotemporal dynamics of the HIV-1 subtype G epidemic in West and Central Africa. <b>2014</b> , 9, e98908	22
1625	Interferon-induced genes of the expanded IFIT family show conserved antiviral activities in non-mammalian species. <b>2014</b> , 9, e100015	29
1624	HIV-1 pol diversity among female bar and hotel workers in Northern Tanzania. <b>2014</b> , 9, e102258	4
1623	At least 23 genera instead of one: the case of <i>Iris</i> L. s.l. (Iridaceae). <b>2014</b> , 9, e106459	42
1622	Genome-wide identification and tissue-specific expression analysis of UDP-glycosyltransferases genes confirm their abundance in <i>Cicer arietinum</i> (Chickpea) genome. <b>2014</b> , 9, e109715	27
1621	Ail and PagC-related proteins in the entomopathogenic bacteria of <i>Photobacterium</i> genus. <b>2014</b> , 9, e110060	5
1620	The evolutionary fate of the horizontally transferred agrobacterial mikimopine synthase gene in the genera <i>Nicotiana</i> and <i>Linaria</i> . <b>2014</b> , 9, e113872	14
1619	Placenta-specific protein 1 is conserved throughout the Placentalia under purifying selection. <b>2014</b> , 2014, 537356	3
1618	Molecular systematics of terraranas (Anura: Brachycephaloidea) with an assessment of the effects of alignment and optimality criteria. <b>2014</b> , 3825, 1-132	169

1617	A Deg-protease family protein in marine <i>Synechococcus</i> is involved in outer membrane protein organization. <b>2014</b> , 1,	
1616	A novel single-stranded RNA virus isolated from a phytopathogenic filamentous fungus, <i>Rosellinia necatrix</i> , with similarity to hypo-like viruses. <b>2014</b> , 5, 360	54
1615	Transmitted drug resistance to rilpivirine among antiretroviral-naïve patients living with HIV from northern Poland. <b>2014</b> , 17, 18929	8
1614	Taxonomic reassessment of <i>Blanus strauchi</i> (Bedriaga, 1884) (Squamata: Amphisbaenia: Blanidae), with the description of a new species from southeast Anatolia (Turkey). <b>2014</b> , 3795, 311-26	30
1613	Plakophilins in desmosomal adhesion and signaling. <b>2014</b> , 21, 25-42	38
1612	The root hair "infectome" of <i>Medicago truncatula</i> uncovers changes in cell cycle genes and reveals a requirement for Auxin signaling in rhizobial infection. <b>2014</b> , 26, 4680-701	217
1611	Nomenclatural realignment of <i>Neotyphodium</i> species with genus <i>Epichloa</i> <b>2014</b> , 106, 202-15	294
1610	Plant protein peptidase inhibitors: an evolutionary overview based on comparative genomics. <b>2014</b> , 15, 812	25
1609	The PSI family of nuclear proteins is required for growth in arabidopsis. <b>2014</b> , 86, 289-302	8
1608	The 2-C-methylerythritol 4-phosphate pathway in melon is regulated by specialized isoforms for the first and last steps. <b>2014</b> , 65, 5077-92	29
1607	Evolutionary history of Chaetognatha inferred from molecular and morphological data: a case study for body plan simplification. <b>2014</b> , 11, 84	13
1606	Evolution and gene capture in ancient endogenous retroviruses - insights from the crocodylian genomes. <b>2014</b> , 11, 71	23
1605	Comprehensive characterization and RNA-Seq profiling of the HD-Zip transcription factor family in soybean ( <i>Glycine max</i> ) during dehydration and salt stress. <b>2014</b> , 15, 950	74
1604	A novel bioinformatics pipeline to discover genes related to arbuscular mycorrhizal symbiosis based on their evolutionary conservation pattern among higher plants. <b>2014</b> , 14, 333	53
1603	Functional characterization of SJB10, an intracellular serpin from <i>Schistosoma japonicum</i> . <b>2014</b> , 141, 1746-60	12
1602	Diversity of environmental single-stranded DNA phages revealed by PCR amplification of the partial major capsid protein. <b>2014</b> , 8, 2093-103	50
1601	Models of nucleotide substitution. <b>2014</b> , 1-34	1
1600	Two Species Within <i>Dendroctonus frontalis</i> (Coleoptera: Curculionidae): Evidence From Morphological, Karyological, Molecular, and Crossing Studies. <b>2014</b> , 107, 11-27	20

1599	Genome-wide phylogenetic analysis of the pathogenic potential of <i>Vibrio furnissii</i> . <b>2014</b> , 5, 435	4
1598	Local effect of enhancer of zeste-like reveals cooperation of epigenetic and cis-acting determinants for zygotic genome rearrangements. <b>2014</b> , 10, e1004665	44
1597	Characterization of Jucitiba virus in <i>Oligoryzomys fornesi</i> from Brazilian Cerrado. <b>2014</b> , 6, 1473-82	13
1596	Human APOBEC3 induced mutation of human immunodeficiency virus type-1 contributes to adaptation and evolution in natural infection. <b>2014</b> , 10, e1004281	65
1595	Taxonomic revision of <i>Aegistasubchinensis</i> (Möndorff, 1884) (Stylommatophora, Bradybaenidae) and a description of a new species of <i>Aegista</i> from eastern Taiwan based on multilocus phylogeny and comparative morphology. <b>2014</b> , 31-55	6
1594	Convergent bacterial microbiotas in the fungal agricultural systems of insects. <b>2014</b> , 5, e02077	68
1593	Molecular phylogeny of black flies in the <i>Simulium tuberosum</i> (Diptera: Simuliidae) species group in Thailand. <b>2014</b> , 57, 45-55	14
1592	Differential inductions of phenylalanine ammonia-lyase and chalcone synthase during wounding, salicylic acid treatment, and salinity stress in safflower, <i>Carthamus tinctorius</i> . <b>2014</b> , 34,	56
1591	Thermodynamic system drift in protein evolution. <b>2014</b> , 12, e1001994	53
1590	Identification of <i>Giardia lamblia</i> DHHC proteins and the role of protein S-palmitoylation in the encystation process. <b>2014</b> , 8, e2997	19
1589	Comparative genomic analysis of genogroup 1 (Wa-like) rotaviruses circulating in the USA, 2006-2009. <b>2014</b> , 28, 513-23	7
1588	Snake venom L-amino acid oxidases: trends in pharmacology and biochemistry. <b>2014</b> , 2014, 196754	105
1587	Comparative phylogenomics of the CBL-CIPK calcium-decoding network in the moss <i>Physcomitrella</i> , <i>Arabidopsis</i> , and other green lineages. <b>2014</b> , 5, 187	50
1586	Comparative dynamics and distribution of influenza drug resistance acquisition to protein m2 and neuraminidase inhibitors. <b>2014</b> , 31, 355-63	19
1585	Phylogeny of the fern family Aspleniaceae in Australasia and the south-western Pacific. <b>2014</b> , 27, 355	28
1584	Nuclear and chloroplast DNA phylogeny reveals complex evolutionary history of <i>Elymus pendulinus</i> . <b>2014</b> , 57, 97-109	5
1583	Discovery and biological characterization of two novel pig-tailed macaque homologs of HHV-6 and HHV-7. <b>2014</b> , 471-473, 126-40	8
1582	Functional and Evolutionary Analysis of the CASPARIAN STRIP MEMBRANE DOMAIN PROTEIN Family. <b>2014</b> , 165, 1709-1722	56

1581	Deep phylogeographic divergence of a migratory passerine in Sino-Himalayan and Siberian forests: the Red-flanked Bluetail ( <i>Tarsiger cyanurus</i> ) complex. <b>2014</b> , 4, 977-86	4
1580	Experimental and bioinformatic characterization of a recombinant polygalacturonase-inhibitor protein from pearl millet and its interaction with fungal polygalacturonases. <b>2014</b> , 65, 5033-47	7
1579	Interspecific hybridization and bioactive alkaloid variation increases diversity in endophytic <i>Epichloa</i> species of <i>Bromus laevipes</i> . <b>2014</b> , 90, 276-89	49
1578	A monoclonal antibody recognizes a highly conserved neutralizing epitope on hemagglutinin of H6N1 avian influenza virus. <b>2014</b> , 174, 333-341	10
1577	C3 photosynthesis in the desert plant <i>Rhazya stricta</i> is fully functional at high temperatures and light intensities. <b>2014</b> , 201, 862-873	35
1576	Fur homolog regulates <i>Porphyromonas gingivalis</i> virulence under low-iron/heme conditions through a complex regulatory network. <b>2014</b> , 29, 333-53	16
1575	Biochemical properties of the xenotropic murine leukemia virus-related virus integrase. <b>2014</b> , 107 Pt B, 300-9	
1574	Fungal biology in the post-genomic era. <b>2014</b> , 1, 7	17
1573	Global spread of wheat curl mite by its most polyphagous and pestiferous lineages. <b>2014</b> , 165, 222-235	26
1572	Phylogenetic analyses of Norovirus strains detected in Uruguay reveal the circulation of the novel GII.P7/GII.6 recombinant variant. <b>2014</b> , 28, 328-32	16
1571	Chromium(VI) Biosorption and Bioaccumulation by Live and Acid-Modified Biomass of a Novel <i>Morganella morganii</i> Isolate. <b>2014</b> , 49, 907-914	20
1570	Taste and odorant receptors of the coelacanth--a gene repertoire in transition. <b>2014</b> , 322, 403-14	26
1569	Extensive expansion of A1 family aspartic proteinases in fungi revealed by evolutionary analyses of 107 complete eukaryotic proteomes. <b>2014</b> , 6, 1480-94	10
1568	Evolutionary and structural analyses of mammalian haloacid dehalogenase-type phosphatases AUM and chronophin provide insight into the basis of their different substrate specificities. <b>2014</b> , 289, 3416-31	20
1567	History of a prolific family: the Hes/Hey-related genes of the annelid <i>Platynereis</i> . <b>2014</b> , 5, 29	18
1566	Multispecies coalescent analysis of the early diversification of neotropical primates: phylogenetic inference under strong gene trees/species tree conflict. <b>2014</b> , 6, 3105-14	14
1565	<i>Eubostrichus fertilis</i> sp. n., a new marine nematode (Desmodoridae: Stilbonematinae) with an extraordinary reproductive potential from Belize, Central America. <b>2014</b> , 16, 777-787	4
1564	Distinct evolutionary strategies in the GGPPS family from plants. <b>2014</b> , 5, 230	27



1563	Association of <i>Streptomyces</i> community composition determined by PCR-denaturing gradient gel electrophoresis with indoor mold status. <b>2014</b> , 186, 8773-83	2
1562	Widespread occurrence of honey bee pathogens in solitary bees. <b>2014</b> , 122, 55-8	129
1561	Structural divergence in vertebrate phylogeny of a duplicated prototype galectin. <b>2014</b> , 6, 2721-30	6
1560	Investigating the performance of AIC in selecting phylogenetic models. <b>2014</b> , 13, 459-75	5
1559	An internally modulated, thermostable, pH-sensitive Cys loop receptor from the hydrothermal vent worm <i>Alvinella pompejana</i> . <b>2014</b> , 289, 15130-40	4
1558	Molecular analysis of the koala reproductive hormones and their receptors: gonadotrophin-releasing hormone (GnRH), follicle-stimulating hormone and luteinising hormone with localisation of GnRH. <b>2014</b> , 26, 870-87	5
1557	Bukovina blind mole rat <i>Spalax graecus</i> revisited: phylogenetics, morphology, taxonomy, habitat associations and conservation. <b>2014</b> , 44, 19-29	8
1556	Molecular genetic conspecificity of <i>Spiculoptera</i> <i>houdemeri</i> (Schwartz, 1926) and <i>S. andreevae</i> (Dr��b �1965) (Nematoda: Ostertagiinae) from wild ruminants in Japan. <b>2014</b> , 88, 1-12	9
1555	DNA barcoding of tropical black flies (Diptera: Simuliidae) of Thailand. <b>2014</b> , 14, 262-71	52
1554	Evolutionary analysis revealed the horizontal transfer of the Cyt b gene from Fungi to Chromista. <b>2014</b> , 76, 155-61	1
1553	Generic detection of polioviruses using an RT-PCR assay targeting the RdRp coding sequence. <b>2014</b> , 198, 1-11	23
1552	Transcriptome analysis reveals pathogenicity and evolutionary history of the pathogenic oomycete <i>Pythium insidiosum</i> . <b>2014</b> , 118, 640-53	22
1551	Ljungan virus is endemic in rodents in the UK. <b>2014</b> , 159, 547-51	11
1550	Predicting the emergence of H3N2 influenza viruses reveals contrasted modes of evolution of HA and NA antigens. <b>2014</b> , 78, 1-12	4
1549	Divergent maximum-likelihood-branch-support values for polytomies. <b>2014</b> , 73, 87-96	44
1548	Cryptic diversity within morphospecies of testate amoebae (Amoebozoa: Arcellinida) in New England bogs and fens. <b>2014</b> , 165, 196-207	27
1547	Genomic analysis of NAC transcription factors in banana ( <i>Musa acuminata</i> ) and definition of NAC orthologous groups for monocots and dicots. <b>2014</b> , 85, 63-80	69
1546	Evolutionary insights about bacterial GlxRS from whole genome analyses: is GluRS2 a chimera?. <b>2014</b> , 14, 26	5

1545	Molecular evolution and functional divergence of the metallothionein gene family in vertebrates. <b>2014</b> , 78, 217-33	15
1544	Characterization of a complete genome of a circular single-stranded DNA virus from porcine stools in Korea. <b>2014</b> , 48, 81-8	12
1543	Two novel myxosporean species (Myxosporea: Bivalvulida), <i>Myxobolus marumotoi</i> n. sp. and <i>Cardimyxobolus japonensis</i> n. sp., from the dark sleeper, <i>Odontobutis obscura</i> , in Japan. <b>2014</b> , 113, 1371-81	4
1542	XMRV low level of expression in human cells delays superinfection interference and allows proviral copies to accumulate. <b>2014</b> , 456-457, 28-38	2
1541	Divergent positive selection in rhodopsin from lake and riverine cichlid fishes. <b>2014</b> , 31, 1149-65	51
1540	Genome skimming reveals the origin of the Jerusalem Artichoke tuber crop species: neither from Jerusalem nor an artichoke. <b>2014</b> , 201, 1021-1030	108
1539	Vertebrate Acyl CoA synthetase family member 4 (ACSF4-U26) is a $\beta$ -alanine-activating enzyme homologous to bacterial non-ribosomal peptide synthetase. <b>2014</b> , 281, 1585-97	10
1538	<i>Liberibacter crescens</i> gen. nov., sp. nov., the first cultured member of the genus <i>Liberibacter</i> . <b>2014</b> , 64, 2461-2466	55
1537	Possible mechanisms responsible for absence of a retrotransposon family on a plant Y chromosome. <b>2014</b> , 202, 662-678	28
1536	Exoskeleton formation in <i>Apis mellifera</i> : cuticular hydrocarbons profiles and expression of desaturase and elongase genes during pupal and adult development. <b>2014</b> , 50, 68-81	27
1535	Molecular evolution of GPCRs: CRH/CRH receptors. <b>2014</b> , 52, T43-60	44
1534	Phylogenetic reconstruction methods: an overview. <b>2014</b> , 1115, 257-77	23
1533	Reversal of female infertility by Chk2 ablation reveals the oocyte DNA damage checkpoint pathway. <b>2014</b> , 343, 533-6	157
1532	Habitat-specific type I polyketide synthases in soils and street sediments. <b>2014</b> , 41, 75-85	10
1531	Marine tubeworm metamorphosis induced by arrays of bacterial phage tail-like structures. <b>2014</b> , 343, 529-33	161
1530	The vertebrate muscle-specific RING finger protein family includes MuRF4--a novel, conserved E3-ubiquitin ligase. <b>2014</b> , 588, 4390-7	9
1529	Morphological and molecular characterization of <i>Eimeria paludosa</i> coccidian parasite (Apicomplexa:Eimeriidae) in a dusky moorhen ( <i>Gallinula tenebrosa</i> , Gould, 1846) in Australia. <b>2014</b> , 147, 16-22	9
1528	Isolation, phylogenetic relationship and expression profiling of sugar transporter genes in sweet orange ( <i>Citrus sinensis</i> ). <b>2014</b> , 119, 609-624	44

1527	The emerging physiological roles of the glycerophosphodiesterase family. <b>2014</b> , 281, 998-1016		50
1526	A novel papillomavirus in Adlie penguin ( <i>Pygoscelis adeliae</i> ) faeces sampled at the Cape Crozier colony, Antarctica. <b>2014</b> , 95, 1352-1365		42
1525	Partial characterization of new adenoviruses found in lizards. <b>2014</b> , 45, 287-97		16
1524	Naturally arising strains of polyomaviruses with severely attenuated microRNA expression. <b>2014</b> , 88, 12683-93		9
1523	Amphiphilic siderophore production by oil-associating microbes. <b>2014</b> , 6, 1150-5		24
1522	Preservation of viral genomes in 700-y-old caribou feces from a subarctic ice patch. <b>2014</b> , 111, 16842-7		87
1521	A confounding effect of missing data on character conflict in maximum likelihood and Bayesian MCMC phylogenetic analyses. <b>2014</b> , 80, 267-80		34
1520	Biogeographic analysis reveals ancient continental vicariance and recent oceanic dispersal in amphibians. <i>Systematic Biology</i> , <b>2014</b> , 63, 779-97	8.4	217
1519	A new <i>Caryospora</i> coccidian species (Apicomplexa: Eimeriidae) from the laughing kookaburra ( <i>Dacelo novaeguineae</i> ). <b>2014</b> , 145, 68-73		16
1518	Coupled reductive and oxidative sulfur cycling in the phototrophic plate of a meromictic lake. <b>2014</b> , 12, 451-68		28
1517	Diversity of bladed <i>Bangiales</i> (Rhodophyta) in western Mediterranean: recognition of the genus <i>Themis</i> and descriptions of <i>T. ballesterosii</i> sp. nov., <i>T. iberica</i> sp. nov., and <i>Pyropia parva</i> sp. nov. <b>2014</b> , 50, 908-29		25
1516	Evolution of DNA specificity in a transcription factor family produced a new gene regulatory module. <b>2014</b> , 159, 58-68		66
1515	Expansion of ability of denitrification within the filamentous colorless sulfur bacteria of the genus <i>Thiothrix</i> . <b>2014</b> , 358, 72-80		18
1514	Phylogenetic structures of soil nematode communities along a successional gradient in an unreclaimed copper mine tailings site. <b>2014</b> , 77, 179-186		5
1513	Phylogeographic analysis on the travel-related introduction of HIV-1 non-B subtypes to Northern Poland. <b>2014</b> , 27, 121-30		5
1512	Bias in tree searches and its consequences for measuring group supports. <i>Systematic Biology</i> , <b>2014</b> , 63, 851-61	8.4	9
1511	<i>Cupriavidus plantarum</i> sp. nov., a plant-associated species. <b>2014</b> , 196, 811-7		15
1510	Three <i>Unicapsula</i> species (Myxosporaea: Trilosporidae) of Asian marine fishes, including the description of <i>Unicapsula setoensis</i> n. sp. in the yellowfin goby ( <i>Acanthogobius flavimanus</i> ) from the Inland Sea of Japan. <b>2014</b> , 113, 3807-16		8

1509	Novel information theory-based measures for quantifying incongruence among phylogenetic trees. <b>2014</b> , 31, 1261-71	199
1508	Bacterial communities and greenhouse gas emissions of shallow ponds in the High Arctic. <b>2014</b> , 37, 1669-1683	27
1507	Characterisation of a secretory serine protease inhibitor (SjB6) from <i>Schistosoma japonicum</i> . <b>2014</b> , 7, 330	11
1506	Single genome analysis reveals genetic characteristics of Neuroadaptation across HIV-1 envelope. <b>2014</b> , 11, 65	15
1505	Piroplasms of New Zealand seabirds. <b>2014</b> , 113, 4407-14	15
1504	Evolution of PAS domains and PAS-containing genes in eukaryotes. <b>2014</b> , 123, 385-405	10
1503	Establishment of three new genera in the family Geminiviridae: Becurtovirus, Eragrovirus and Turncurtovirus. <b>2014</b> , 159, 2193-203	177
1502	A high degree of African streak virus diversity within Nigerian maize fields includes a new mastrevirus from <i>Axonopus compressus</i> . <b>2014</b> , 159, 2765-70	15
1501	Genetic and morphological diversity of <i>Trisetacus</i> species (Eriophyoidea: Phytoptidae) associated with coniferous trees in Poland: phylogeny, barcoding, host and habitat specialization. <b>2014</b> , 63, 497-520	26
1500	Phylogenetic analysis reveals conservation and diversification of micro RNA166 genes among diverse plant species. <b>2014</b> , 103, 114-21	45
1499	Molecular phylogeny, pigment composition, toxicology and life history of <i>Pseudochattonella</i> cf. <i>verruculosa</i> (Class Dictyochophyceae) from Wellington Harbour, New Zealand. <b>2014</b> , 34, 42-55	11
1498	Biomarkers for virus-induced hepatocellular carcinoma (HCC). <b>2014</b> , 26, 327-39	17
1497	Estimating intercoder reliability: a structural equation modeling approach. <b>2014</b> , 48, 2355-2369	5
1496	Identification of GH10 xylanases in strains 2 and Mz5 of <i>Pseudobutyrvibrio xylanivorans</i> . <b>2014</b> , 59, 507-14	1
1495	Superoxide dismutases and superoxide reductases. <b>2014</b> , 114, 3854-918	489
1494	Finding arboreal snakes in an evolutionary tree: phylogenetic placement and systematic revision of the Neotropical birdsnakes. <b>2014</b> , 52, 257-264	9
1493	Novel galanin receptors in teleost fish: identification, expression and regulation by sex steroids. <b>2014</b> , 205, 109-20	20
1492	The evolution of scarab beetles tracks the sequential rise of angiosperms and mammals. <b>2014</b> , 281, 20141470	93

1491	Infection of water buffalo in Rio de Janeiro Brazil with <i>Anaplasma marginale</i> strains also reported in cattle. <b>2014</b> , 205, 730-4	13
1490	Tests for two trees using likelihood methods. <b>2014</b> , 31, 1029-39	11
1489	Dual-histidine kinases in basidiomycete fungi. <b>2014</b> , 337, 111-6	7
1488	Identification and partial characterisation of new members of the <i>Ixodes ricinus</i> defensin family. <b>2014</b> , 540, 146-52	17
1487	Molecular evolution of calcification genes in morphologically similar but phylogenetically unrelated scleractinian corals. <b>2014</b> , 77, 281-95	8
1486	Calcitonin receptor family evolution and fishing for function using in silico promoter analysis. <b>2014</b> , 209, 61-73	8
1485	Reproductive compatibility and genetic and morphometric variability among populations of the predatory mite, <i>Amblyseius largoensis</i> (Acari: Phytoseiidae), from Indian Ocean Islands and the Americas. <b>2014</b> , 72, 17-29	9
1484	Novel circular DNA viruses identified in <i>Procordulia grayi</i> and <i>Xanthocnemis zealandica</i> larvae using metagenomic approaches. <b>2014</b> , 22, 134-41	34
1483	Genetic analysis of G12P[8] rotaviruses detected in the largest U.S. G12 genotype outbreak on record. <b>2014</b> , 21, 214-9	23
1482	<i>Isospora anthochaerae</i> n. sp. (Apicomplexa: Eimeriidae) from a Red wattlebird ( <i>Anthochaera carunculata</i> ) (Passeriformes: Meliphagidae) in Western Australia. <b>2014</b> , 140, 1-7	18
1481	Phylogenomics provides strong evidence for relationships of butterflies and moths. <b>2014</b> , 281, 20140970	116
1480	Horizontal transfer of an adaptive chimeric photoreceptor from bryophytes to ferns. <b>2014</b> , 111, 6672-7	121
1479	Evolutionary origins of human herpes simplex viruses 1 and 2. <b>2014</b> , 31, 2356-64	93
1478	Dubious resolution and support from published sparse supermatrices: the importance of thorough tree searches. <b>2014</b> , 78, 334-48	21
1477	Cloning, expression and characterization of a gene encoding mitogen activated protein kinase 2 (MPK2) from <i>Tetrahymena thermophila</i> . <b>2014</b> , 546, 40-9	4
1476	Nutritional regulation in mixotrophic plants: new insights from <i>Limodorum abortivum</i> . <b>2014</b> , 175, 875-85	25
1475	Association of black fly (Diptera: Simuliidae) life stages using DNA barcode. <b>2014</b> , 17, 549-554	11
1474	Diverse small circular single-stranded DNA viruses identified in a freshwater pond on the McMurdo Ice Shelf (Antarctica). <b>2014</b> , 26, 132-8	45

1473	Characterization of the definitive classical calpain family of vertebrates using phylogenetic, evolutionary and expression analyses. <b>2014</b> , 4, 130219	26
1472	Functional genomics of lactic acid bacteria: from food to health. <b>2014</b> , 13 Suppl 1, S8	103
1471	House dust mites possess a polymorphic, single domain putative peptidoglycan d,l endopeptidase belonging to the NlpC/P60 Superfamily. <b>2015</b> , 5, 813-23	5
1470	Refining the pH response in <i>Aspergillus nidulans</i> : a modulatory triad involving PacX, a novel zinc binuclear cluster protein. <b>2015</b> , 98, 1051-72	13
1469	Digestive organ in the female reproductive tract borrows genes from multiple organ systems to adopt critical functions. <b>2015</b> , 32, 1567-80	20
1468	Coalescent methods for estimating species trees from phylogenomic data. <b>2015</b> , 53, 380-390	53
1467	Identification and Characterization of Three <i>Monilinia</i> Species from Plum in China. <b>2015</b> , 99, 1775-1783	18
1466	Evolution and Taxonomy of Nitrogen-Fixing Organisms with Emphasis on Rhizobia. <b>2015</b> , 21-38	21
1465	Methodologies for Phylogenetic Inference. <b>2015</b> , 1-5	
1464	Molecular Phylogenetics: A Tool for Elucidation of Evolutionary Processes from Biological Data. <b>2015</b> , 203-250	
1463	History and origin of the HIV-1 subtype C epidemic in South Africa and the greater southern African region. <b>2015</b> , 5, 16897	18
1462	Discovery of Conservation and Diversification of miR171 Genes by Phylogenetic Analysis based on Global Genomes. <b>2015</b> , 8, eplantgenome2014.10.0076	23
1461	Fast evolutionary rates associated with functional loss in class I glucose transporters of <i>Schistosoma mansoni</i> . <b>2015</b> , 16, 980	4
1460	Structure of the terminal PCP domain of the non-ribosomal peptide synthetase in teicoplanin biosynthesis. <b>2015</b> , 83, 711-21	23
1459	The molecular origin and evolution of dim-light vision in mammals. <b>2015</b> , 69, 2995-3003	25
1458	De novo sequencing and analysis of <i>Lophophora williamsii</i> transcriptome, and searching for putative genes involved in mescaline biosynthesis. <b>2015</b> , 16, 657	13
1457	Opening the "black box" of nodD3, nodD4 and nodD5 genes of <i>Rhizobium tropici</i> strain CIAT 899. <b>2015</b> , 16, 864	30
1456	Recombination elevates the effective evolutionary rate and facilitates the establishment of HIV-1 infection in infants after mother-to-child transmission. <b>2015</b> , 12, 96	4

1455	Gene expression changes in the salivary glands of <i>Anopheles coluzzii</i> elicited by <i>Plasmodium berghei</i> infection. <b>2015</b> , 8, 485	13
1454	Genomewide analysis of phytochrome proteins in the phylum Basidiomycota. <b>2015</b> , 55, 1141-7	1
1453	Using RAxML to Infer Phylogenies. <b>2015</b> , 51, 6.14.1-6.14.14	127
1452	ZmZHOUPI, an endosperm-specific basic helix-loop-helix transcription factor involved in maize seed development. <b>2015</b> , 84, 574-86	23
1451	Interactome Analysis and Docking Sites Prediction of Radiation Sensitive 23 (RAD 23) Proteins in <i>Arabidopsis thaliana</i> . <b>2015</b> , 12, 28-44	1
1450	Evolution of two receptors detecting the same pheromone compound in crop pest moths of the genus <i>Spodoptera</i> . <b>2015</b> , 3,	17
1449	Novel circular single-stranded DNA viruses identified in marine invertebrates reveal high sequence diversity and consistent predicted intrinsic disorder patterns within putative structural proteins. <b>2015</b> , 6, 696	52
1448	Acquisition through horizontal gene transfer of plasmid pSMA198 by <i>Streptococcus macedonicus</i> ACA-DC 198 points towards the dairy origin of the species. <b>2015</b> , 10, e0116337	9
1447	Phylogeography of the walnut twig beetle, <i>Pityophthorus juglandis</i> , the vector of thousand cankers disease in North American walnut trees. <b>2015</b> , 10, e0118264	33
1446	Identification and Molecular Characterization of Two Acetylcholinesterases from the Salmon Louse, <i>Lepeophtheirus salmonis</i> . <b>2015</b> , 10, e0125362	15
1445	Origin and Population Dynamics of a Novel HIV-1 Subtype G Clade Circulating in Cape Verde and Portugal. <b>2015</b> , 10, e0127384	4
1444	Unravelling the Evolution of the Allatostatin-Type A, KISS and Galanin Peptide-Receptor Gene Families in Bilaterians: Insights from <i>Anopheles</i> Mosquitoes. <b>2015</b> , 10, e0130347	22
1443	Diversification of the Genus <i>Anopheles</i> and a Neotropical Clade from the Late Cretaceous. <b>2015</b> , 10, e0134462	20
1442	Survey of <i>Ixodes pacificus</i> Ticks in California Reveals a Diversity of Microorganisms and a Novel and Widespread Anaplasmataceae Species. <b>2015</b> , 10, e0135828	31
1441	Evolutionary History of the Photolyase/Cryptochrome Superfamily in Eukaryotes. <b>2015</b> , 10, e0135940	45
1440	Evolution of a Novel Antiviral Immune-Signaling Interaction by Partial-Gene Duplication. <b>2015</b> , 10, e0137276	8
1439	Molecular and Morphological Differentiation of Common Dolphins ( <i>Delphinus</i> sp.) in the Southwestern Atlantic: Testing the Two Species Hypothesis in Sympatry. <b>2015</b> , 10, e0140251	25
1438	STBase: one million species trees for comparative biology. <b>2015</b> , 10, e0117987	6

1437	Outbreak of anaplasmosis associated with the presence of different <i>Anaplasma marginale</i> strains in dairy cattle in the states of São Paulo and Goiás, Brazil. <b>2015</b> , 24, 438-46	18
1436	The <i>Petunia</i> GRAS Transcription Factor ATA/RAM1 Regulates Symbiotic Gene Expression and Fungal Morphogenesis in Arbuscular Mycorrhiza. <b>2015</b> , 168, 788-97	42
1435	Distinct molecular features facilitating ice-binding mechanisms in hyperactive antifreeze proteins closely related to an Antarctic sea ice bacterium. <b>2015</b> , 33, 1424-41	1
1434	Interactions between tick and transmitted pathogens evolved to minimise competition through nested and coherent networks. <b>2015</b> , 5, 10361	47
1433	Systematics, functional morphology and distribution of a bivalve ( <i>Apachecorbula muriatica</i> gen. et sp. nov.) from the rim of the Valdivia Deep Brine pool in the Red Sea. <b>2015</b> , 95, 523-535	5
1432	Scorpion speciation in the Holy Land: Multilocus phylogeography corroborates diagnostic differences in morphology and burrowing behavior among <i>Scorpio</i> subspecies and justifies recognition as phylogenetic, ecological and biological species. <b>2015</b> , 91, 226-37	12
1431	Multiple horizontally acquired genes from fungal and prokaryotic donors encode cellulolytic enzymes in the bdelloid rotifer <i>Adineta ricciae</i> . <b>2015</b> , 566, 125-37	16
1430	Surveys of endogenous retroviruses (ERVs) in the freshwater crocodile ( <i>Crocodylus johnstoni</i> ) suggest that ERVs in <i>Crocodylus</i> spp. vary between species. <b>2015</b> , 50, 329-32	3
1429	Coalescence vs. concatenation: Sophisticated analyses vs. first principles applied to rooting the angiosperms. <b>2015</b> , 91, 98-122	62
1428	Phylogenetic and phylogeographic mapping of the avian coronavirus spike protein-encoding gene in wild and synanthropic birds. <b>2015</b> , 201, 101-12	15
1427	Genetic Evidence for the Existence of Two Species of the Bipolar Pelagic Mollusk <i>Clione limacina</i> . <b>2015</b> , 33, 118-120	8
1426	The fission yeast MTREC complex targets CUTs and unspliced pre-mRNAs to the nuclear exosome. <b>2015</b> , 6, 7050	63
1425	The evolution, diversity, and host associations of rhabdoviruses. <b>2015</b> , 1, vev014	48
1424	UPF0586 Protein C9orf41 Homolog Is Anserine-producing Methyltransferase. <b>2015</b> , 290, 17190-205	20
1423	Convergent evolution of ribonuclease h in LTR retrotransposons and retroviruses. <b>2015</b> , 32, 1197-207	15
1422	A Specialized Histone H1 Variant Is Required for Adaptive Responses to Complex Abiotic Stress and Related DNA Methylation in <i>Arabidopsis</i> . <b>2015</b> , 169, 2080-101	72
1421	Exceptionally High Levels of Genetic Diversity in Wheat Curl Mite (Acari: Eriophyidae) Populations from Turkey. <b>2015</b> , 108, 2030-9	17
1420	Phylogenetic analysis and serotyping of <i>Vibrio splendidus</i> -related bacteria isolated from salmon farm cleaner fish. <b>2015</b> , 117, 121-31	16



1419	Expansion of bloom-forming <i>Dolichospermum lemmermannii</i> (Nostocales, Cyanobacteria) to the deep lakes south of the Alps: Colonization patterns, driving forces and implications for water use. <b>2015</b> , 50, 76-87		34
1418	Sewage surveillance reveals the presence of canine GVII norovirus and canine astrovirus in Uruguay. <b>2015</b> , 160, 2839-43		12
1417	ModelOMatic: fast and automated model selection between RY, nucleotide, amino acid, and codon substitution models. <i>Systematic Biology</i> , <b>2015</b> , 64, 42-55	8.4	29
1416	Characterisation of three novel giant viruses reveals huge diversity among viruses infecting Prymnesiales (Haptophyta). <b>2015</b> , 476, 180-188		28
1415	True morels ( <i>Morchella</i> , Pezizales) of Europe and North America: evolutionary relationships inferred from multilocus data and a unified taxonomy. <b>2015</b> , 107, 359-82		62
1414	<i>Isospora streperae</i> n. sp. (Apicomplexa: Eimeriidae) from a grey currawong ( <i>Strepera versicolour plumbea</i> ) (Passeriformes: Artamidae) in Western Australia. <b>2015</b> , 151-152, 49-55		9
1413	Functional characterization of NAT/NCS2 proteins of <i>Aspergillus brasiliensis</i> reveals a genuine xanthine-uric acid transporter and an intrinsically misfolded polypeptide. <b>2015</b> , 75, 56-63		13
1412	Evolution of threonine aldolases, a diverse family involved in the second pathway of glycine biosynthesis. <b>2015</b> , 80, 102-7		12
1411	Tomato Whole Genome Transcriptional Response to <i>Tetranychus urticae</i> Identifies Divergence of Spider Mite-Induced Responses Between Tomato and <i>Arabidopsis</i> . <b>2015</b> , 28, 343-61		57
1410	An evolutionarily-unique heterodimeric voltage-gated cation channel found in aphids. <b>2015</b> , 589, 598-607		17
1409	Horizontal transmission of an R4 clade non-long terminal repeat retrotransposon between the divergent <i>Aedes</i> and <i>Anopheles</i> mosquito genera. <b>2015</b> , 24, 331-7		7
1408	The subgenus <i>Ashima</i> (Diptera, Drosophilidae, Phortica) from China, with DNA barcoding and descriptions of three new species. <b>2015</b> , 13, 42-51		6
1407	Detection and analysis of non-retroviral RNA virus-like elements in plant, fungal, and insect genomes. <b>2015</b> , 1236, 73-88		15
1406	Characterisation of a diverse range of circular replication-associated protein encoding DNA viruses recovered from a sewage treatment oxidation pond. <b>2015</b> , 31, 73-86		62
1405	Recent radiation in a marine and freshwater dinoflagellate species flock. <b>2015</b> , 9, 1821-34		24
1404	Intragenomic distribution of RTE retroelements suggests intrachromosomal movement. <b>2015</b> , 23, 211-23		
1403	Stroma-bearing endophyte and its potential horizontal transmission ability in <i>Achnatherum sibiricum</i> . <b>2015</b> , 107, 21-31		10
1402	The same or not the same: lineage-specific gene expansions and homology relationships in multigene families in nematodes. <b>2015</b> , 80, 18-36		18

1401	Involvement of two genetic lineages of <i>Sarcoptes scabiei</i> mites in a local mange epizootic of wild mammals in Japan. <b>2015</b> , 51, 69-78	16
1400	Identification of a novel carbohydrate esterase from <i>Bjerkandera adusta</i> : structural and function predictions through bioinformatics analysis and molecular modeling. <b>2015</b> , 83, 533-46	6
1399	Molecular phylogeny of the genus <i>Helix</i> (Pulmonata: Helicidae). <b>2015</b> , 44, 263-280	21
1398	Eumetazoan cryptochrome phylogeny and evolution. <b>2015</b> , 7, 601-19	26
1397	Examination of the <i>Staphylococcus aureus</i> nitric oxide reductase (saNOR) reveals its contribution to modulating intracellular NO levels and cellular respiration. <b>2015</b> , 96, 651-69	26
1396	Phylogenetic diversity↔ecosystem function relationships are insensitive to phylogenetic edge lengths. <b>2015</b> , 29, 718-723	17
1395	A cnidarian homologue of an insect gustatory receptor functions in developmental body patterning. <b>2015</b> , 6, 6243	43
1394	Multi-gene phylogenetic analyses of New Zealand coralline algae: <i>Corallinapetra Novaezelandiae</i> gen. et sp. nov. and recognition of the Hapalidiales ord. nov. <b>2015</b> , 51, 454-68	69
1393	A phylogeny of Sericini with particular reference to Chinese species using mitochondrial and ribosomal DNA (Coleoptera: Scarabaeidae). <b>2015</b> , 15, 343-350	11
1392	A mutualistic endophyte alters the niche dimensions of its host plant. <b>2015</b> , 7,	20
1391	Identification of novel <i>Bromus</i> - and <i>Trifolium</i> -associated circular DNA viruses. <b>2015</b> , 160, 1303-11	24
1390	A fresh look at the evolution and diversification of photochemical reaction centers. <b>2015</b> , 126, 111-34	70
1389	Origin and Evolution of Water Oxidation before the Last Common Ancestor of the Cyanobacteria. <b>2015</b> , 32, 1310-28	69
1388	Domain repeats related to innate immunity in the South African abalone, <i>Haliotis midae</i> . <b>2015</b> , 23, 41-3	2
1387	Genetics, genomics and evolution of ergot alkaloid diversity. <b>2015</b> , 7, 1273-302	63
1386	Molecular characterization of <i>Anaplasma marginale</i> in ticks naturally feeding on buffaloes. <b>2015</b> , 35, 38-41	12
1385	In Silico Reconstruction of the Viral Evolutionary Lineage Yields a Potent Gene Therapy Vector. <b>2015</b> , 12, 1056-68	182
1384	↔-Carbonic Anhydrases: Structure, Distribution, and Potential Roles. <b>2015</b> , 337-349	2

1383	Assembly and variation analyses of <i>Clarias batrachus</i> mitogenome retrieved from WGS data and its phylogenetic relationship with other catfishes. <b>2015</b> , 5, 105-14	6
1382	Phylogenetic analysis of methionine synthesis genes from <i>Thalassiosira pseudonana</i> . <b>2015</b> , 4, 391	5
1381	<i>Eimeria collieie</i> n. sp. (Apicomplexa:Eimeriidae) from the western long-necked turtle ( <i>Chelodina collieii</i> ). <b>2015</b> , 154, 75-81	4
1380	Diverse small circular DNA viruses circulating amongst estuarine molluscs. <b>2015</b> , 31, 284-95	44
1379	Infection of <i>Ixodes</i> spp. tick cells with different <i>Anaplasma phagocytophilum</i> isolates induces the inhibition of apoptotic cell death. <b>2015</b> , 6, 758-67	25
1378	Genome sequence heterogeneity of Lake Sinai Virus found in honey bees and Orf1/RdRP-based polymorphisms in a single host. <b>2015</b> , 201, 67-72	32
1377	Genetic diversity in the feline leukemia virus gag gene. <b>2015</b> , 204, 74-81	8
1376	Detection of different South American hantaviruses. <b>2015</b> , 210, 106-13	16
1375	Intracellular siderophore but not extracellular siderophore is required for full virulence in <i>Metarhizium robertsii</i> . <b>2015</b> , 82, 56-68	27
1374	<i>Clostridium botulinum</i> Group II Isolate Phylogenomic Profiling Using Whole-Genome Sequence Data. <b>2015</b> , 81, 5938-48	18
1373	Early origin and adaptive evolution of the GW182 protein family, the key component of RNA silencing in animals. <b>2015</b> , 12, 761-70	12
1372	Sequential oxidation of Jasmonoyl-Phenylalanine and Jasmonoyl-Isoleucine by multiple cytochrome P450 of the CYP94 family through newly identified aldehyde intermediates. <b>2015</b> , 117, 388-399	23
1371	Genetic variability of hepatitis B virus in Uruguay: D/F, A/F genotype recombinants. <b>2015</b> , 160, 2209-17	5
1370	Alfalfa Leaf Curl Virus: an Aphid-Transmitted Geminivirus. <b>2015</b> , 89, 9683-8	47
1369	Cubozoan genome illuminates functional diversification of opsins and photoreceptor evolution. <b>2015</b> , 5, 11885	31
1368	Fossorial morphotype does not make a species in water voles. <b>2015</b> , 79,	9
1367	Morphological and molecular genetic characterization of three <i>Capillaria</i> spp. ( <i>Capillaria anatis</i> , <i>Capillaria pudendotecta</i> , and <i>Capillaria madseni</i> ) and <i>Baruscapillaria obsignata</i> (Nematoda: Trichuridae: Capillariinae) in avians. <b>2015</b> , 114, 4011-22	18
1366	Differential diagnosis of the honey bee trypanosomatids <i>Crithidia mellificae</i> and <i>Lotmaria passim</i> . <b>2015</b> , 130, 21-7	44

1365	Conserved regulatory mechanism controls the development of cells with rooting functions in land plants. <b>2015</b> , 112, E3959-68	56
1364	Structural characterization and evolutionary analysis of fish-specific TLR27. <b>2015</b> , 45, 940-5	33
1363	Characterization and comparative analysis of a simian foamy virus complete genome isolated from Brazilian capuchin monkeys. <b>2015</b> , 208, 1-6	5
1362	Metagenomic insights into S(0) precipitation in a terrestrial subsurface lithoautotrophic ecosystem. <b>2014</b> , 5, 756	46
1361	Systems biology of tissue-specific response to <i>Anaplasma phagocytophilum</i> reveals differentiated apoptosis in the tick vector <i>Ixodes scapularis</i> . <b>2015</b> , 11, e1005120	88
1360	Explosive tandem and segmental duplications of multigenic families in <i>Eucalyptus grandis</i> . <b>2015</b> , 7, 1068-81	23
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1358	Analysis of splice variants for the <i>C. elegans</i> orthologue of human neuroligin reveals a developmentally regulated transcript. <b>2015</b> , 17, 69-78	7
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1356	Novel CK2 $\alpha$ and CK2 $\beta$ subunits in maize reveal functional diversification in subcellular localization and interaction capacity. <b>2015</b> , 235, 58-69	3
1355	The microbiome of uncontacted Amerindians. <b>2015</b> , 1,	517
1354	Genetic diversity and molecular phylogeny of <i>Anaplasma marginale</i> studied longitudinally under natural transmission conditions in Rio de Janeiro, Brazil. <b>2015</b> , 6, 499-507	21
1353	Transcriptomic characterisation and genomic glimps into the toxigenic dinoflagellate <i>Azadinium spinosum</i> , with emphasis on polyketide synthase genes. <b>2015</b> , 16, 27	36
1352	Whole genome comparative analysis of transposable elements provides new insight into mechanisms of their inactivation in fungal genomes. <b>2015</b> , 16, 141	67
1351	Insights into Frizzled evolution and new perspectives. <b>2015</b> , 17, 160-9	19
1350	Two distinct <i>Epichloa</i> species symbiotic with <i>Achnatherum inebrians</i> , drunken horse grass. <b>2015</b> , 107, 863-73	45
1349	Molecular and immunological characterization of three strains of <i>Anaplasma marginale</i> grown in cultured tick cells. <b>2015</b> , 6, 522-9	7
1348	Spontaneous dominant mutations in <i>Chlamydomonas</i> highlight ongoing evolution by gene diversification. <b>2015</b> , 27, 984-1001	25

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1329	Decolorization of Kraft liquor effluents and biochemical characterization of laccases from <i>Phlebia brevispora</i> BAFC 633. <b>2015</b> , 104, 443-451	17
1328	A new <i>Cosmocercoides</i> species (Nematoda: Cosmocercidae), <i>C. tonkinensis</i> n. sp., in the scale-bellied tree lizard ( <i>Acanthosaura lepidogaster</i> ) from Vietnam. <b>2015</b> , 60, 407-16	15
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1325	Phylogenomic analysis and predicted physiological role of the proton-translocating NADH:quinone oxidoreductase (complex I) across bacteria. <b>2015</b> , 6,	33
1324	<i>Ixodes ricinus</i> defensins attack distantly-related pathogens. <b>2015</b> , 53, 358-65	24
1323	The characteristics and potential applications of structural lipid droplet proteins in plants. <b>2015</b> , 201, 15-27	34
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1318	Transmitted HIV drug resistance in antiretroviral-treatment-naive patients from Poland differs by transmission category and subtype. <b>2015</b> , 70, 233-42	14
1317	Characterization of glutathione-S-transferases in zebrafish ( <i>Danio rerio</i> ). <b>2015</b> , 158, 50-62	82
1316	Characterization of hepatitis C virus intergenotypic recombinant strains and associated virological response to sofosbuvir/ribavirin. <b>2015</b> , 61, 471-80	67
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1313	Bio-statistical enhancement of acyl transfer activity of amidase for biotransformation of N-substituted aromatic amides. <b>2016</b> , 62, 90-7	2
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1311	Draft Genome of the Scarab Beetle <i>Oryctes borbonicus</i> on La Réunion Island. <b>2016</b> , 8, 2093-105	22
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1302	Deep phylogenomics of a tandem-repeat galectin regulating appendicular skeletal pattern formation. <b>2016</b> , 16, 162	12
1301	<i>Corynebacterium pseudotuberculosis</i> may be under anagenesis and biovar <i>Equi</i> forms biovar <i>Ovis</i> : a phylogenetic inference from sequence and structural analysis. <b>2016</b> , 16, 100	8
1300	PhyloBot: A Web Portal for Automated Phylogenetics, Ancestral Sequence Reconstruction, and Exploration of Mutational Trajectories. <b>2016</b> , 12, e1004976	34
1299	Dimerization and Transactivation Domains as Candidates for Functional Modulation and Diversity of Sox9. <b>2016</b> , 11, e0156199	4
1298	Large-Scale Phylogenomic Analysis Reveals the Complex Evolutionary History of Rabies Virus in Multiple Carnivore Hosts. <b>2016</b> , 12, e1006041	93
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1296	A Genome-Wide Association Study on the Seedless Phenotype in Banana ( <i>Musa</i> spp.) Reveals the Potential of a Selected Panel to Detect Candidate Genes in a Vegetatively Propagated Crop. <b>2016</b> , 11, e0154448	36
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1294	Downregulation of a UDP-Arabinomutase Gene in Switchgrass ( <i>L.</i> ) Results in Increased Cell Wall Lignin While Reducing Arabinose-Glycans. <b>2016</b> , 7, 1580	16

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1288	Analysis of <i>Amblyomma sculptum</i> haplotypes in an area endemic for Brazilian spotted fever. <b>2016</b> , 30, 342-50	5
1287	<i>Prasiola</i> (Prasiolales, Trebouxiophyceae) in Japan: a survey of freshwater populations and new records of marine taxa. <b>2016</b> , 64, 110-117	3
1286	Genetic diversity of aboriginal and invasive populations of four-eyed fir bark beetle <i>Polygraphus proximus</i> Blandford (Coleoptera, Curculionidae, Scolytinae). <b>2016</b> , 18, 294-301	16
1285	<i>Wolbachia</i> from <i>Drosophila incompata</i> : just a hitchhiker shared by <i>Drosophila</i> in the New and Old World?. <b>2016</b> , 25, 487-99	10
1284	Diversity patterns of Rhizobiaceae communities inhabiting soils, root surfaces and nodules reveal a strong selection of rhizobial partners by legumes. <b>2016</b> , 18, 2375-91	26
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1281	Multiple introductions and onward transmission of non-pandemic HIV-1 subtype B strains in North America and Europe. <b>2016</b> , 6, 33971	6
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1278	Prevalence and Molecular Characterization of Enterotoxin-Producing Strains of <i>Staphylococcus Aureus</i> Isolated from Serbian Dairy Cows. <b>2016</b> , 66, 466-477	2
1277	Bone-associated gene evolution and the origin of flight in birds. <b>2016</b> , 17, 371	5
1276	Towards a phylogenetic classification of <i>Leptothecata</i> (Cnidaria, Hydrozoa). <b>2016</b> , 6, 18075	40



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1274	Advances in Understanding Mating Type Gene Organization in the Mushroom-Forming Fungus. <b>2016</b> , 6, 3635-3645	20
1273	Identification of an orthologous clade of peroxidases that respond to feeding by greenbugs ( <i>Schizaphis graminum</i> ) in C grasses. <b>2016</b> , 43, 1134-1148	5
1272	The Arabidopsis NPF3 protein is a GA transporter. <b>2016</b> , 7, 11486	115
1271	A draft genome sequence of R4: a grapevine ( <i>V. vinifera</i> ) root-associated strain with high biocontrol potential. <b>2016</b> , 11, 76	8
1270	Evolution of Ubiquinone Biosynthesis: Multiple Proteobacterial Enzymes with Various Regioselectivities To Catalyze Three Contiguous Aromatic Hydroxylation Reactions. <b>2016</b> , 1,	25
1269	Ectodomain Architecture Affects Sequence and Functional Evolution of Vertebrate Toll-like Receptors. <b>2016</b> , 6, 26705	23
1268	From sequence reads to evolutionary inferences. 305-335	
1267	<i>Burkholderia novacaledonica</i> sp. nov. and <i>B. ultramafica</i> sp. nov. isolated from roots of <i>Costularia</i> spp. pioneer plants of ultramafic soils in New Caledonia. <b>2016</b> , 39, 151-159	16
1266	The N-acetylglucosamine catabolic gene cluster in <i>Trichoderma reesei</i> is controlled by the Ndt80-like transcription factor RON1. <b>2016</b> , 99, 640-57	29
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1263	Phylodynamics of the major HIV-1 CRF02_AG African lineages and its global dissemination. <b>2016</b> , 46, 190-199	15
1262	Complete Unique Genome Sequence, Expression Profile, and Salivary Gland Tissue Tropism of the Herpesvirus 7 Homolog in Pigtailed Macaques. <b>2016</b> , 90, 6657-6674	4
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1260	Genomic insights into the carbohydrate catabolism of <i>Cairneyella variabilis</i> gen. nov. sp. nov., the first reports from a genome of an ericoid mycorrhizal fungus from the southern hemisphere. <b>2016</b> , 26, 345-52	11
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1258	Automatic detection of rate change in large data sets with an unsupervised approach: the case of influenza viruses. <b>2016</b> , 59, 253-62	1

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1255	Metapopulation dominance and genomic-island acquisition of Bradyrhizobium with superior catabolic capabilities. <b>2016</b> , 283,	19
1254	Long-term ungulate exclusion reduces fungal symbiont prevalence in native grasslands. <b>2016</b> , 181, 1151-61	6
1253	Evolution of IFN- $\gamma$ in tetrapod vertebrates and its functional characterization in green anole lizard ( <i>Anolis carolinensis</i> ). <b>2016</b> , 61, 208-24	22
1252	A Glycosyltransferase from <i>Nicotiana glauca</i> Pollen Mediates Synthesis of a Linear (1,5)- $\beta$ -Arabinan When Expressed in <i>Arabidopsis</i> . <b>2016</b> , 170, 1962-74	13
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1250	Functional Conservation and Divergence of <i>daf-22</i> Paralogs in <i>Pristionchus pacificus</i> Dauer Development. <b>2016</b> , 33, 2506-14	23
1249	Switchgrass SBP-box transcription factors PvSPL1 and 2 function redundantly to initiate side tillers and affect biomass yield of energy crop. <b>2016</b> , 9, 101	39
1248	Limited diversity associated with duplicated class II MHC-DRB genes in the red squirrel population in the United Kingdom compared with continental Europe. <b>2016</b> , 17, 1171-1182	10
1247	Megaphylogenetic Specimen-level Approaches to the <i>Carex</i> (Cyperaceae) Phylogeny Using ITS, ETS, and <i>matK</i> Sequences: Implications for Classification. <b>2016</b> , 41, 500-518	77
1246	<i>Coxiella</i> symbionts are widespread into hard ticks. <b>2016</b> , 115, 4691-4699	48
1245	Versatile glycoside hydrolase family 18 chitinases for fungi ingestion and reproduction in the pinewood nematode <i>Bursaphelenchus xylophilus</i> . <b>2016</b> , 46, 819-828	7
1244	Mycobacteriophages as Incubators for Intein Dissemination and Evolution. <b>2016</b> , 7,	18
1243	Phylogenetic, syntenic, and tissue expression analysis of <i>slc22</i> genes in zebrafish ( <i>Danio rerio</i> ). <b>2016</b> , 17, 626	19
1242	Evolutionary history and spatiotemporal dynamics of DENV-1 genotype V in the Americas. <b>2016</b> , 45, 454-460	19
1241	Atg1-independent induction of autophagy by the <i>Drosophila</i> Ulk3 homolog, ADUK. <b>2016</b> , 283, 3889-3897	12
1240	Co-evolution of SNF spliceosomal proteins with their RNA targets in trans-splicing nematodes. <b>2016</b> , 144, 487-96	1

1239	Isolation of a <i>Wickerhamomyces anomalus</i> yeast strain from the sandfly <i>Phlebotomus perniciosus</i> , displaying the killer phenotype. <b>2016</b> , 30, 101-6	14
1238	Neuronal fate specification by the <i>Dbx1</i> transcription factor is linked to the evolutionary acquisition of a novel functional domain. <b>2016</b> , 7, 18	7
1237	DNA barcoding of human-biting black flies (Diptera: Simuliidae) in Thailand. <b>2016</b> , 164, 33-40	17
1236	Molecular detection of the tracheal mite <i>Locustacarus buchneri</i> in native and non-native bumble bees in Chile. <b>2016</b> , 63, 629-633	7
1235	Mitochondrial COI gene as a tool in the taxonomy of mosquitoes <i>Culex</i> subgenus <i>Melanoconion</i> . <b>2016</b> , 164, 137-149	14
1234	DNA barcode variability and host plant usage of fruit flies (Diptera: Tephritidae) in Thailand. <b>2016</b> , 59, 792-804	6
1233	- Next-Generation Sequencing and Metagenomics. <b>2016</b> , 344-364	
1232	Positive Selection Linked with Generation of Novel Mammalian Dentition Patterns. <b>2016</b> , 8, 2748-59	6
1231	Post-glacial colonization of Europe by the wood mouse, <i>Apodemus sylvaticus</i> : evidence of a northern refugium and dispersal with humans. <b>2016</b> ,	8
1230	A second estrogen receptor from Japanese lamprey ( <i>Lethenteron japonicum</i> ) does not have activities for estrogen binding and transcription. <b>2016</b> , 236, 105-114	8
1229	Planktic <i>Tychonema</i> (Cyanobacteria) in the large lakes south of the Alps: phylogenetic assessment and toxigenic potential. <b>2016</b> , 92,	28
1228	Phylogenetic Tree Comparison. <b>2016</b> , 277-284	
1227	Characterization of <i>Colletotrichum</i> Species Causing Bitter Rot of Apple in Kentucky Orchards. <b>2016</b> , 100, 2194-2203	54
1226	Viral Evolution and Cytotoxic T Cell Restricted Selection in Acute Infant HIV-1 Infection. <b>2016</b> , 6, 29536	9
1225	Identification of candidate genes related to calanolide biosynthesis by transcriptome sequencing of <i>Calophyllum brasiliense</i> (Calophyllaceae). <b>2016</b> , 16, 177	3
1224	Human Adaptation of Ebola Virus during the West African Outbreak. <b>2016</b> , 167, 1079-1087.e5	134
1223	E3 ubiquitin ligase SP1 regulates peroxisome biogenesis in <i>Arabidopsis</i> . <b>2016</b> , 113, E7307-E7316	26
1222	Studying Evolutionary Dynamics of Gene Families Encoding SUMO-Activating Enzymes with SeaView and ProtTest. <b>2016</b> , 1450, 273-84	2

1221	Time-scale of minor HIV-1 complex circulating recombinant forms from Central and West Africa. <b>2016</b> , 16, 249	6
1220	Alpha proteobacterial ancestry of the [Fe-Fe]-hydrogenases in anaerobic eukaryotes. <b>2016</b> , 11, 34	22
1219	A Forward Genetic Screen and Whole Genome Sequencing Identify Deflagellation Defective Mutants in Chlamydomonas, Including Assignment of ADF1 as a TRP Channel. <b>2016</b> , 6, 3409-3418	18
1218	Conservation and divergence of bHLH genes in the calcisponge. <b>2016</b> , 7, 23	12
1217	A new species of Hirudo (Annelida: Hirudinidae): historical biogeography of Eurasian medicinal leeches. <b>2016</b> , 1,	8
1216	Functional and evolutionary analyses of the miR156 and miR529 families in land plants. <b>2016</b> , 16, 40	54
1215	Morphological and molecular genetic diversity of Strongyluris calotis (Nematoda: Ascaridida: Heterakidae) in South East and East Asian lizards. <b>2016</b> , 115, 2807-16	1
1214	New insights into the hepatitis E virus genotype 3 phylodynamics and evolutionary history. <b>2016</b> , 43, 267-73	11
1213	Tracing the origin of a singular HIV-1 CRF45_cpx clade identified in Brazil. <b>2016</b> , 46, 223-232	2
1212	Multiple vitellogenins and product yolk proteins in European sea bass (Dicentrarchus labrax): Molecular characterization, quantification in plasma, liver and ovary, and maturational proteolysis. <b>2016</b> , 194-195, 71-86	15
1211	An effective approach for annotation of protein families with low sequence similarity and conserved motifs: identifying GDSSL hydrolases across the plant kingdom. <b>2016</b> , 17, 91	7
1210	Balancing selection and recombination as evolutionary forces caused population genetic variations in golden pheasant MHC class I genes. <b>2016</b> , 16, 42	7
1209	Identification of a Latin American-specific BabA adhesin variant through whole genome sequencing of Helicobacter pylori patient isolates from Nicaragua. <b>2016</b> , 16, 53	16
1208	Detection of Babesia annae DNA in lung exudate samples from Red foxes (Vulpes vulpes) in Great Britain. <b>2016</b> , 9, 84	24
1207	Antibiotic Resistance, Core-Genome and Protein Expression in IncHI1 Plasmids in Salmonella Typhimurium. <b>2016</b> , 8, 1661-71	16
1206	Persistent HIV-1 replication maintains the tissue reservoir during therapy. <b>2016</b> , 530, 51-56	419
1205	Rarity and Incomplete Sampling in DNA-Based Species Delimitation. <i>Systematic Biology</i> , <b>2016</b> , 65, 478-948.4	86
1204	Evolution of Prdm Genes in Animals: Insights from Comparative Genomics. <b>2016</b> , 33, 679-96	27

1203	Intein Clustering Suggests Functional Importance in Different Domains of Life. <b>2016</b> , 33, 783-99	48
1202	Combined phylogenetic and morphological studies of true morels (Pezizales, Ascomycota) in Cyprus reveal significant diversity, including <i>Morchella arbutiphila</i> and <i>M. disparilis</i> spp. nov.. <b>2016</b> , 15, 1	19
1201	A Tale of Genome Compartmentalization: The Evolution of Virulence Clusters in Smut Fungi. <b>2016</b> , 8, 681-704	85
1200	In Silico Identification of Candidate Genes for Fertility Restoration in Cytoplasmic Male Sterile Perennial Ryegrass ( <i>Lolium perenne</i> L.). <b>2017</b> , 9, 351-362	17
1199	Linear Plasmids and the Rate of Sequence Evolution in Plant Mitochondrial Genomes. <b>2016</b> , 8, 364-74	22
1198	RSL Class I Genes Controlled the Development of Epidermal Structures in the Common Ancestor of Land Plants. <b>2016</b> , 26, 93-9	64
1197	Evolutionary history of double-stranded RNA binding proteins in plants: identification of new cofactors involved in easiRNA biogenesis. <b>2016</b> , 91, 131-47	11
1196	S1 gene-based phylogeny of infectious bronchitis virus: An attempt to harmonize virus classification. <b>2016</b> , 39, 349-364	198
1195	Distinct Processes Drive Diversification in Different Clades of Gesneriaceae. <i>Systematic Biology</i> , <b>2016</b> , 65, 662-84	8.4 41
1194	Characterization and comparison of putative <i>Stenotrophomonas maltophilia</i> methyl parathion hydrolases. <b>2016</b> , 20, 71-79	3
1193	Molecular characterization and phylogenetic study of the fusion genes of Newcastle disease virus from the recent outbreaks in Ahvaz, Iran. <b>2016</b> , 27, 102-5	10
1192	Morphological and molecular genetic characterization of two <i>Kudoa</i> spp., <i>K. musculoliquefaciens</i> , and <i>K. pleurogrammi</i> n. sp. (Myxosporia: Multivalvulida), causing myoliquefaction of commercial marine fish. <b>2016</b> , 115, 1883-92	15
1191	Gene Duplicability of Core Genes Is Highly Consistent across All Angiosperms. <b>2016</b> , 28, 326-44	122
1190	Phylogeny of Syndermata (syn. Rotifera): Mitochondrial gene order verifies epizoic Seisonidea as sister to endoparasitic Acanthocephala within monophyletic Hemirotifera. <b>2016</b> , 96, 79-92	20
1189	Epidemic Spread of Symbiotic and Non-Symbiotic Bradyrhizobium Genotypes Across California. <b>2016</b> , 71, 700-10	22
1188	Activity and interactions of methane seep microorganisms assessed by parallel transcription and FISH-NanoSIMS analyses. <b>2016</b> , 10, 678-92	39
1187	Intraspecific and interspecific genetic variation of <i>Gongylonema pulchrum</i> and two rodent <i>Gongylonema</i> spp. ( <i>G. aegypti</i> and <i>G. neoplasticum</i> ), with the proposal of <i>G. nepalensis</i> n. sp. for the isolate in water buffaloes from Nepal. <b>2016</b> , 115, 787-95	13
1186	Combining phylogenomic and supermatrix approaches, and a time-calibrated phylogeny for squamate reptiles (lizards and snakes) based on 52 genes and 4162 species. <b>2016</b> , 94, 537-547	339

1185	Low genetic diversity of <i>Anaplasma marginale</i> in calves in an endemic area for bovine anaplasmosis in the state of S̃ Paulo, Brazil. <b>2016</b> , 7, 20-25	15
1184	Spatial distribution of aquatic marine fungi across the western Arctic and sub-arctic. <b>2017</b> , 19, 475-484	48
1183	Culture-dependent bacteria in commercial fishes: Qualitative assessment and molecular identification using 16S rRNA gene sequencing. <b>2017</b> , 24, 1105-1116	16
1182	A historical biogeography of megadiverse Sericini-another story "out of Africa"?. <b>2017</b> , 33, 183-197	23
1181	New bunya-like viruses: Highlighting their relations. <b>2017</b> , 49, 164-173	9
1180	Widespread Historical Contingency in Influenza Viruses. <b>2017</b> , 205, 409-420	7
1179	Characterization of hexose transporters in <i>Yarrowia lipolytica</i> reveals new groups of Sugar Porters involved in yeast growth. <b>2017</b> , 100, 1-12	21
1178	The liver transcriptome of suckermouth armoured catfish ( <i>Pterygoplichthys anisitsi</i> , Loricariidae): Identification of expansions in defensome gene families. <b>2017</b> , 115, 352-361	10
1177	Genotyping-by-sequencing provides the first well-resolved phylogeny for coffee ( <i>Coffea</i> ) and insights into the evolution of caffeine content in its species: GBS coffee phylogeny and the evolution of caffeine content. <b>2017</b> , 109, 351-361	40
1176	A family 13 thioesterase isolated from an activated sludge metagenome: Insights into aromatic compounds metabolism. <b>2017</b> , 85, 1222-1237	5
1175	The Notch pathway in the annelid <i>Platynereis</i> : insights into chaetogenesis and neurogenesis processes. <b>2017</b> , 7,	16
1174	Unexplored Archaeal Diversity in the Great Ape Gut Microbiome. <b>2017</b> , 2,	53
1173	Role of Ectopic Gene Conversion in the Evolution of a Pleiotropic Drug Resistance Transporter Family. <b>2017</b> , 205, 1619-1639	10
1172	Ergot Alkaloids of the Family Clavicipitaceae. <b>2017</b> , 107, 504-518	48
1171	Upregulating Nrf2-dependent antioxidant defenses in Pacific oysters <i>Crassostrea gigas</i> : Investigating the Nrf2/Keap1 pathway in bivalves. <b>2017</b> , 195, 16-26	12
1170	Tracing the origin of a cryptic invader: phylogeography of the <i>Euwallacea fornicatus</i> (Coleoptera: Curculionidae: Scolytinae) species complex. <b>2017</b> , 19, 366-375	59
1169	Comparative Study of Chemosensory Organs of Shrimp From Hydrothermal Vent and Coastal Environments. <b>2017</b> , 42, 319-331	14
1168	Effects of <i>Spartina alterniflora</i> Invasion on the Abundance, Diversity, and Community Structure of Sulfate Reducing Bacteria along a Successional Gradient of Coastal Salt Marshes in China. <b>2017</b> , 37, 221-232	27

1167	Evolution of avian encephalomyelitis virus during embryo-adaptation. <b>2017</b> , 204, 1-7	3
1166	Structural basis of apoptosis inhibition by the fowlpox virus protein FPV039. <b>2017</b> , 292, 9010-9021	17
1165	<i>Arabidopsis thaliana</i> EPOXIDE HYDROLASE1 (AtEH1) is a cytosolic epoxide hydrolase involved in the synthesis of poly-hydroxylated cutin monomers. <b>2017</b> , 215, 173-186	12
1164	Evolutionary relationships among protein lysine deacetylases of parasites causing neglected diseases. <b>2017</b> , 53, 175-188	15
1163	First evidence of <i>Pezoloma ericae</i> in Australia: using the Biomes of Australia Soil Environments (BASE) to explore the Australian phylogeography of known ericoid mycorrhizal and root-associated fungi. <b>2017</b> , 27, 587-594	8
1162	Detection of <i>Babesia</i> DNA in blood and spleen samples from Eurasian badgers ( <i>Meles meles</i> ) in Scotland. <b>2017</b> , 144, 1203-1210	8
1161	Genome sequences of a capulavirus infecting <i>Plantago lanceolata</i> in the Åland archipelago of Finland. <b>2017</b> , 162, 2041-2045	29
1160	<i>Arabidopsis</i> proteins with a transposon-related domain act in gene silencing. <b>2017</b> , 8, 15122	16
1159	Evolution of specificity in cartilaginous fish glycoprotein hormones and receptors. <b>2017</b> , 246, 309-320	11
1158	<i>Staphylococcus aureus</i> Promotes <i>Smed-PGRP-2/Smed-setd8-1</i> Methyltransferase Signalling in Planarian Neoblasts to Sensitize Anti-bacterial Gene Responses During Re-infection. <b>2017</b> , 20, 150-160	19
1157	Defining HIV-1 transmission clusters based on sequence data. <b>2017</b> , 31, 1211-1222	88
1156	Inferring Trees. <b>2017</b> , 1525, 349-377	4
1155	Reconstructing the Ancestral Relationships Between Bacterial Pathogen Genomes. <b>2017</b> , 1535, 109-137	5
1154	NmeA, a novel efflux transporter specific for nucleobases and nucleosides, contributes to metal resistance in <i>Aspergillus nidulans</i> . <b>2017</b> , 105, 426-439	1
1153	Structural complexity and molecular heterogeneity of a butterfly ejaculate reflect a complex history of selection. <b>2017</b> , 114, E5406-E5413	22
1152	Neither <i>Callophyllis</i> nor <i>Gelidium</i> : <i>Blastophyllis</i> gen. nov. and <i>Zuccarelloa</i> gen. nov. (Kallymeniaceae, Rhodophyta) for three New Zealand species. <b>2017</b> , 56, 549-560	5
1151	Ferredoxin-dependent bilin reductases in eukaryotic algae: Ubiquity and diversity. <b>2017</b> , 217, 57-67	12
1150	Functional evolution of Lepidoptera olfactory receptors revealed by deorphanization of a moth repertoire. <b>2017</b> , 8, 15709	92

1149	Highly divergent patterns of genetic diversity and evolution in proviral quasispecies from HIV controllers. <b>2017</b> , 14, 29	32
1148	Bactericidal Permeability-Increasing Proteins Shape Host-Microbe Interactions. <b>2017</b> , 8,	22
1147	Taxonomic revision of Dictyochales (Dictyochophyceae) based on morphological, ultrastructural, biochemical and molecular data. <b>2017</b> , 65, 235-247	5
1146	Phylogenetic Analyses. <b>2017</b> , 143-172	1
1145	Biogeography of bloom-forming microcystin producing and non-toxigenic populations of <i>Dolichospermum lemmermannii</i> (Cyanobacteria). <b>2017</b> , 67, 1-12	20
1144	Characterization of recombinant <i>Trypanosoma brucei gambiense</i> Translationally Controlled Tumor Protein (rTbgTCTP) and its interaction with <i>Glossina</i> midgut bacteria. <b>2017</b> , 8, 413-427	7
1143	Phylogenetic and Evolutionary Analysis of Plant ARGONAUTES. <b>2017</b> , 1640, 267-294	5
1142	Global epidemiology of HCV subtypes and resistance-associated substitutions evaluated by sequencing-based subtype analyses. <b>2017</b> , 67, 224-236	90
1141	Molecular characterisation of <i>Chlamydia pneumoniae</i> associated to atherosclerosis. <b>2017</b> , 75,	7
1140	Exploring the evolutionary origin of floral organs of <i>Erycina pusilla</i> , an emerging orchid model system. <b>2017</b> , 17, 89	21
1139	A Newly Determined Member of the -Diaminopimelate Dehydrogenase Family with a Broad Substrate Spectrum. <b>2017</b> , 83,	14
1138	Placing the forgotten: on the positions of <i>Euenchytraeus</i> and <i>Chamaedrilus</i> in an updated enchytraeid phylogeny (Clitellata : Enchytraeidae). <b>2017</b> , 31, 85	7
1137	Complete genome sequence of strain RCH2 isolated from a Hexavalent Chromium [Cr(VI)] contaminated site. <b>2017</b> , 12, 23	8
1136	Sofosbuvir plus ribavirin in treatment-naïve patients with chronic hepatitis C virus genotype 1 or 3 infection in India. <b>2017</b> , 24, 371-379	13
1135	Functional characterization of two novel purine transporters from the Basidiomycota <i>Phanerochaete chrysosporium</i> . <b>2017</b> , 601, 1-10	1
1134	Mitochondrial DNA D-loop haplogroup contributions to the genetic diversity of East European domestic chickens from Russia. <b>2017</b> , 134, 98-108	4
1133	Unusual Legionnaires' outbreak in cool, dry Western Canada: an investigation using genomic epidemiology. <b>2017</b> , 145, 254-265	6
1132	Isolation and expression analyses of KLUH gene in developing seeds and enhanced seed oil in KLUH overexpressing <i>Brassica juncea</i> transgenics. <b>2017</b> , 72, 1023-1030	



1131	Molecular phylogenetic analysis of the tonoplast H <sup>+</sup> -ATPase subunits. <b>2017</b> , 7, 592-606	
1130	Inteins as Indicators of Bio-Communication. <b>2017</b> , 265-275	
1129	Neofunctionalization of "Juvenile Hormone Esterase Duplication" in <i>Drosophila</i> as an odorant-degrading enzyme towards food odorants. <b>2017</b> , 7, 12629	18
1128	Explaining ecosystem multifunction with evolutionary models. <b>2017</b> , 98, 3175-3187	8
1127	Back to the future: Rational maps for exploring acetylcholine receptor space and time. <b>2017</b> , 1865, 1522-1528	5
1126	Microbial associates of the southern mole cricket ( <i>Scapteriscus borellii</i> ) are highly pathogenic. <b>2017</b> , 150, 54-62	5
1125	Phylodynamics of the Brazilian feline immunodeficiency virus. <b>2017</b> , 55, 166-171	6
1124	Donor-Recipient Identification in Para- and Poly-phyletic Trees Under Alternative HIV-1 Transmission Hypotheses Using Approximate Bayesian Computation. <b>2017</b> , 207, 1089-1101	7
1123	Predicting blooms of toxic cyanobacteria in eutrophic lakes with diverse cyanobacterial communities. <b>2017</b> , 7, 8342	36
1122	Class I Polyhydroxyalkanoate Synthase from the Purple Photosynthetic Bacterium Predominantly Exists as a Functional Dimer in the Absence of a Substrate. <b>2017</b> , 2, 5071-5078	8
1121	First record of <i>Gongylonema nepalensis</i> in domestic and wild ruminants in Europe. <b>2017</b> , 246, 11-18	9
1120	A mechanism for a single nucleotide intron shift. <b>2017</b> , 45, 9085-9092	9
1119	Centrin diversity and basal body patterning across evolution: new insights from. <b>2017</b> , 6, 765-776	9
1118	High diversity of alpha, beta and gamma human papillomaviruses in genital samples from HIV-negative and HIV-positive heterosexual South African men. <b>2017</b> , 3, 160-167	7
1117	Phylodynamics of major CRF01_AE epidemic clusters circulating in mainland of China. <b>2017</b> , 7, 6330	27
1116	Insights into the harmful algal flora in northwestern Mediterranean coastal lagoons revealed by pyrosequencing metabarcodes of the 28S rRNA gene. <b>2017</b> , 68, 1-16	18
1115	Use of Highly Specific Molecular Markers Reveals Positive Correlation between Abundances of <i>Mesodinium</i> cf. <i>major</i> and Its Preferred Prey, <i>Teleaulax amphioxeia</i> , During Red Water Blooms in the Columbia River Estuary. <b>2017</b> , 64, 740-755	8
1114	Reconstructed historical distribution and phylogeography unravels non-steppic origin of ( <i>Gastropoda</i> : <i>Helicidae</i> ). <b>2017</b> , 17, 679-692	9

1113	Arthropod communities of laying hen houses: An integrative pilot study toward conservation biocontrol of the poultry red mite <i>Dermanyssus gallinae</i> . <b>2017</b> , 114, 176-194	8
1112	Evolutionary analysis of <i>Chironius</i> snakes unveils cryptic diversity and provides clues to diversification in the Neotropics. <b>2017</b> , 116, 108-119	10
1111	Interferon-independent antiviral activity of 25-hydroxycholesterol in a teleost fish. <b>2017</b> , 145, 146-159	21
1110	Phylodynamics of Yellow Fever Virus in the Americas: new insights into the origin of the 2017 Brazilian outbreak. <b>2017</b> , 7, 7385	50
1109	Distribution of circular single-stranded DNA viruses associated with benthic amphipods of genus <i>Diporeia</i> in the Laurentian Great Lakes. <b>2017</b> , 62, 1220-1231	8
1108	A eukaryotic nicotinate-inducible gene cluster: convergent evolution in fungi and bacteria. <b>2017</b> , 7,	10
1107	Draft genome and sequence variant data of the oomycete strain Pi45 from the phylogenetically-distinct Clade-III. <b>2017</b> , 15, 896-900	14
1106	Specificity in diversity: single origin of a widespread ciliate-bacteria symbiosis. <b>2017</b> , 284,	19
1105	Ancestral Reconstruction Approach to Acetylcholine Receptor Structure and Function. <b>2017</b> , 25, 1295-1302.e3 4	
1104	A Critical Review on the Use of Support Values in Tree Viewers and Bioinformatics Toolkits. <b>2017</b> , 34, 1535-1542	13
1103	Convergence of Domain Architecture, Structure, and Ligand Affinity in Animal and Plant RNA-Binding Proteins. <b>2017</b> , 34, 1429-1444	7
1102	Four <i>Myxobolus</i> spp. (Myxosporea: Bivalvulida) from the gill lamellae of common carp ( <i>Cyprinus carpio</i> ) and Japanese silver crucian carp ( <i>Carassius langsdorfii</i> ) in the western part of Japan, with the description of three new species ( <i>M. tanakai</i> n. sp., <i>M. paratoyamai</i> n. sp., and <i>M. ginbuna</i> n. sp.). <b>2017</b> , 116, 2187-2191	11
1101	The Role of DAF-21/Hsp90 in Mouth-Form Plasticity in <i>Pristionchus pacificus</i> . <b>2017</b> , 34, 1644-1653	18
1100	Computational Functional Analysis of Lipid Metabolic Enzymes. <b>2017</b> , 1609, 195-216	0
1099	The insect-derived antimicrobial peptide metchnikowin targets <i>Fusarium graminearum</i> (1,3)glucanosyltransferase Gel1, which is required for the maintenance of cell wall integrity. <b>2017</b> , 398, 491-498	8
1098	Late Relapse Versus Hepatitis C Virus Reinfection in Patients With Sustained Virologic Response After Sofosbuvir-Based Therapies. <b>2017</b> , 64, 44-52	68
1097	Numerous small hammerhead ribozyme variants associated with Penelope-like retrotransposons cleave RNA as dimers. <b>2017</b> , 14, 1499-1507	9
1096	Chemosynthetic symbionts of marine invertebrate animals are capable of nitrogen fixation. <b>2016</b> , 2, 16195	87

1095	The Evolutionary History and Genetic Diversity of Kinkajous, <i>Potos flavus</i> (Carnivora, Procyonidae). <b>2017</b> , 24, 439-451	12
1094	Occurrence of <i>Isarachnanthus</i> (Cnidaria: Anthozoa: Ceriantharia) at Ascension Island: a test of hypothesis. <b>2017</b> , 97, 689-693	6
1093	Mismatch of morphological and molecular identifications in native and invasive subspecies of <i>Codium fragile</i> (Bryopsidophyceae, Chlorophyta). <b>2017</b> , 53, 218-229	1
1092	Toxin-producing <i>Epichloa bromicola</i> strains symbiotic with the forage grass <i>Elymus dahuricus</i> in China. <b>2017</b> , 109, 847-859	9
1091	Vaccination of dogs in an African city interrupts rabies transmission and reduces human exposure. <b>2017</b> , 9,	61
1090	Identification of a mutarotase gene involved in D-galactose utilization in <i>Aspergillus nidulans</i> . <b>2017</b> , 364,	1
1089	Reading and editing the <i>Pleurodeles waltl</i> genome reveals novel features of tetrapod regeneration. <b>2017</b> , 8, 2286	83
1088	Phylogeny, age structure, growth dynamics and colour pattern of the <i>Salamandra atra atra</i> population in the Edough Massif, northeastern Algeria. <b>2017</b> , 38, 461-471	3
1087	Increased Affinity for RNA Targets Evolved Early in Animal and Plant Dicer Lineages through Different Structural Mechanisms. <b>2017</b> , 34, 3047-3063	8
1086	Molecular phylogeny of the genus <i>Themisto</i> (Gülfen, 1925) (Amphipoda: Hyperiididae) in the Northern Hemisphere. <b>2017</b> , 37, 732-742	6
1085	Transcriptome Analysis of Cell Wall and NAC Domain Transcription Factor Genes during Fruit Ripening: Evidence for Widespread Conservation within Monocot and Eudicot Lineages. <b>2017</b> , 8, 603	16
1084	In Situ Dark Adaptation Enhances the Efficiency of DNA Extraction from Mature Pin Oak ( <i>Quercus palustris</i> ) Leaves, Facilitating the Identification of Partial Sequences of the 18S rRNA and Isoprene Synthase ( <i>IspS</i> ) Genes. <b>2017</b> , 6,	2
1083	The Evolutionary History and Spatiotemporal Dynamics of the NC Lineage of Citrus Tristeza Virus. <b>2017</b> , 9,	6
1082	Distribution and Inferred Evolutionary Characteristics of a Chimeric ssDNA Virus Associated with Intertidal Marine Isopods. <b>2017</b> , 9,	8
1081	Life-stage association of black flies, using a fast-evolving nuclear gene sequence, and description of the larva of <i>Simulium lampangense</i> Takaoka & Choochote (Diptera: Simuliidae) from Thailand. <b>2017</b> , 4299, 263	5
1080	Mycoviruses in the Plant Pathogen <i>Ustilago violacea</i> Are Not Correlated with the Genetic Backgrounds of Its Hosts. <b>2017</b> , 18,	4
1079	Role and Regulation of ACC Deaminase Gene in : Is It a Symbiotic, Rhizospheric or Endophytic Gene?. <b>2017</b> , 8, 6	19
1078	Local Chromatin Features Including PU.1 and IKAROS Binding and H3K4 Methylation Shape the Repertoire of Immunoglobulin Kappa Genes Chosen for V(D)J Recombination. <b>2017</b> , 8, 1550	14

1077	Error-prone DnaE2 Balances the Genome Mutation Rates in DK1622. <b>2017</b> , 8, 122	7
1076	Genome Wide Analysis of the Mismatch Repair Components of and Their Comparison with Human Host. <b>2017</b> , 8, 130	13
1075	Plant Growth Promoting Bacteria Associated with -Rhizosphere-Host Biological Interface: A Neglected Model of Bacterial Prospection. <b>2017</b> , 8, 172	24
1074	Genome-Wide Analysis of Secondary Metabolite Gene Clusters in <i>O</i> and Reveals a Fujikurin-Like Gene Cluster with a Putative Role in Infection. <b>2017</b> , 8, 1063	15
1073	Reclassification of <i>Aspergillus</i> as a Genomovar of <i>Aspergillus</i> : Genome-Based Metrics Improve Bacterial Taxonomic Classification. <b>2017</b> , 8, 1849	17
1072	Expression of <i>TrkB</i> in the Developing and Adult Nervous System of the Zebrafish ( <i>Danio rerio</i> ). <b>2017</b> , 11, 6	2
1071	Comparative analysis estimates the relative frequencies of co-divergence and cross-species transmission within viral families. <b>2017</b> , 13, e1006215	143
1070	The Pax gene family: Highlights from cephalopods. <b>2017</b> , 12, e0172719	15
1069	Characterization of lignocellulolytic activities from fungi isolated from the deep-sea sponge <i>Stelletta normani</i> . <b>2017</b> , 12, e0173750	30
1068	Transcriptome sequencing and delimitation of sympatric <i>Oscarella</i> species ( <i>O. carmela</i> and <i>O. pearsei</i> sp. nov) from California, USA. <b>2017</b> , 12, e0183002	19
1067	Seasonal recurrence of cowpox virus outbreaks in captive cheetahs ( <i>Acinonyx jubatus</i> ). <b>2017</b> , 12, e0187089	9
1066	Insights into the molecular evolution of peptidase inhibitors in arthropods. <b>2017</b> , 12, e0187643	1
1065	Genomic characterization and molecular evolution analysis of subtype B and BF recombinant HIV-1 strains among Argentinean men who have sex with men reveal a complex scenario. <b>2017</b> , 12, e0189705	6
1064	Comparative genomics of geographically distant <i>Fusarium fujikuroi</i> isolates revealed two distinct pathotypes correlating with secondary metabolite profiles. <b>2017</b> , 13, e1006670	39
1063	Loss-of-function of the ciliopathy protein Cc2d2a disorganizes the vesicle fusion machinery at the periciliary membrane and indirectly affects Rab8-trafficking in zebrafish photoreceptors. <b>2017</b> , 13, e1007150	13
1062	<i>Arabidopsis</i> leucine-rich repeat receptor-like kinase NILR1 is required for induction of innate immunity to parasitic nematodes. <b>2017</b> , 13, e1006284	75
1061	Carboxylesterase gene amplifications associated with insecticide resistance in <i>Aedes albopictus</i> : Geographical distribution and evolutionary origin. <b>2017</b> , 11, e0005533	22
1060	From ground pools to treeholes: convergent evolution of habitat and phenotype in <i>Aedes</i> mosquitoes. <b>2017</b> , 17, 262	21

1059	Evolutionary history of the element in avian genomes. <b>2017</b> , 8, 11	3
1058	Oxalobacter formigenes-associated host features and microbial community structures examined using the American Gut Project. <b>2017</b> , 5, 108	38
1057	Emergence and loss of spliceosomal twin introns. <b>2017</b> , 4, 7	3
1056	Evolution of the Metabolic Network Leading to Ascorbate Synthesis and Degradation Using <i>Marchantia polymorpha</i> as a Model System. <b>2017</b> , 417-430	
1055	Draft genome of TNe-841, a free-living, nitrogen-fixing, tomato plant-associated bacterium. <b>2017</b> , 12, 80	7
1054	Capturing Early Changes in the Marine Bacterial Community as a Result of Crude Oil Pollution in a Mesocosm Experiment. <b>2017</b> , 32, 358-366	24
1053	Diversity of dsDNA Viruses in a South African Hot Spring Assessed by Metagenomics and Microscopy. <b>2017</b> , 9,	13
1052	The ancestral retinoic acid receptor was a low-affinity sensor triggering neuronal differentiation. <b>2018</b> , 4, eaa01261	28
1051	Whole genome analysis of six organophosphate-degrading rhizobacteria reveals putative agrochemical degradation enzymes with broad substrate specificity. <b>2018</b> , 25, 13660-13675	8
1050	Variations in the relative abundance of <i>Wolbachia</i> in the gut of <i>Nasutitermes arborum</i> across life stages and castes. <b>2018</b> , 365,	10
1049	Shifts in Selective Pressures on Snake Phototransduction Genes Associated with Photoreceptor Transmutation and Dim-Light Ancestry. <b>2018</b> , 35, 1376-1389	17
1048	Phylogeny and distribution of protein kinase C variants in the zebrafish. <b>2018</b> , 526, 1097-1109	6
1047	The Apicomplexa-specific glucosamine-6-phosphate N-acetyltransferase gene family encodes a key enzyme for glycoconjugate synthesis with potential as therapeutic target. <b>2018</b> , 8, 4005	8
1046	A <i>Legionella pneumophila</i> amylase is essential for intracellular replication in human macrophages and amoebae. <b>2018</b> , 8, 6340	11
1045	Molecular genetic diversity of <i>Gongylonema neoplasticum</i> (Fibiger & Ditlevsen, 1914) (Spirurida: Gongylonematidae) from rodents in Southeast Asia. <b>2018</b> , 95, 235-247	6
1044	Renewing Felsenstein's phylogenetic bootstrap in the era of big data. <b>2018</b> , 556, 452-456	242
1043	Conservation analysis and decomposition of residue correlation networks in the phospholipase A2 superfamily (PLA2s): Insights into the structure-function relationships of snake venom toxins. <b>2018</b> , 146, 50-60	5
1042	The YTH Domain Protein ECT2 Is an mA Reader Required for Normal Trichome Branching in <i>Arabidopsis</i> . <b>2018</b> , 30, 986-1005	92

1041	Molecular mechanisms underlying intraspecific variation in snake venom. <b>2018</b> , 181, 60-72	38
1040	<i>Prasionema heeschiae</i> sp. nov. (Prasiolales, Chlorophyta) from Campbell Island, New Zealand: first record of <i>Prasionema</i> in the southern hemisphere. <b>2018</b> , 53, 198-207	1
1039	Regulation of Kinase Activity in the <i>Caenorhabditis elegans</i> EGF Receptor, LET-23. <b>2018</b> , 26, 270-281.e4	4
1038	In-depth phylodynamics, evolutionary analysis and in silico predictions of universal epitopes of Influenza A subtypes and Influenza B viruses. <b>2018</b> , 121, 174-182	8
1037	Increase in transmitted drug resistance in migrants from sub-Saharan Africa diagnosed with HIV-1 in Sweden. <b>2018</b> , 32, 877-884	6
1036	Phylogeny and cocoon production in the parasitic leech <i>Myzobdella lugubris</i> Leidy, 1851 (Hirudinidae, Piscicolidae). <b>2018</b> , 63, 15-26	1
1035	<i>Amphioxus</i> SYCP1: a case of retrogene replacement and co-option of regulatory elements adjacent to the ParaHox cluster. <b>2018</b> , 228, 13-30	1
1034	Rapid Gene Family Evolution of a Nematode Sperm Protein Despite Sequence Hyper-conservation. <b>2018</b> , 8, 353-362	7
1033	Phylogenomics. <b>2018</b> , 1704, 103-187	12
1032	Complex patterns of Hepatitis-C virus longitudinal clustering in a high-risk population. <b>2018</b> , 58, 77-82	7
1031	Duplicated membrane estrogen receptors in the European sea bass ( <i>Dicentrarchus labrax</i> ): Phylogeny, expression and regulation throughout the reproductive cycle. <b>2018</b> , 178, 234-242	11
1030	First record of <i>Trypanosoma dionisii</i> of the <i>T. cruzi</i> clade from the Eastern bent-winged bat ( <i>Miniopterus fuliginosus</i> ) in the Far East. <b>2018</b> , 117, 673-680	10
1029	Evolution of the growth hormone, prolactin, prolactin 2 and somatolactin family. <b>2018</b> , 264, 94-112	32
1028	Species delimitation within the Bothryorrhynchapion weevils: Multiple evidence from genetics, morphology and ecological associations. <b>2018</b> , 120, 354-363	13
1027	Analyses of separate and concatenated <i>cox1</i> and 18S rRNA gene sequences indicate that the bat piroplasm <i>Babesia vesperuginis</i> is phylogenetically close to <i>Cytauxzoon felis</i> and the 'prototheilerid' <i>Babesia conradae</i> . <b>2018</b> , 66, 107-115	5
1026	Identification of a highly active tannase enzyme from the oral pathogen <i>Fusobacterium nucleatum</i> subsp. <i>polymorphum</i> . <b>2018</b> , 17, 33	13
1025	Diversity of anaerobic arsenite-oxidizing bacteria in low-salt environments analyzed with a newly developed PCR-based method. <b>2018</b> , 19, 177-183	6
1024	Impact of long-term chromosomal shuffling on the multispecies coalescent analysis of two anthropoid primate lineages. <b>2018</b> , 8, 1206-1216	2

1023	Molecular identification and characterization of endophytes from uncultivated barley. <b>2018</b> , 110, 453-472	4
1022	<i>Gamarada debralockiae</i> gen. nov. sp. nov.-the genome of the most widespread Australian ericoid mycorrhizal fungus. <b>2018</b> , 28, 379-389	2
1021	Limited differentiation among black flies in the <i>Simulium multistriatum</i> species group (Diptera: Simuliidae) in Thailand: cryptic species, homosequential species and homosequential cryptic species. <b>2018</b> ,	3
1020	Tree nut allergies: Allergen homology, cross-reactivity, and implications for therapy. <b>2018</b> , 48, 762-772	41
1019	HIV-1 Genetic Diversity in Recently Diagnosed Infections in Moscow: Predominance of A, Frequent Branching in Clusters, and Circulation of the Iberian Subtype G Variant. <b>2018</b> , 34, 629-634	10
1018	Molecular characterization of feline calicivirus variants from multicat household and public animal shelter in Rio de Janeiro, Brazil. <b>2018</b> , 49, 777-784	4
1017	Out of Water: The Origin and Early Diversification of Plant -Genes. <b>2018</b> , 177, 82-89	75
1016	Phylogenetic relationship and molecular dating of Indian pangolin ( <i>Manis crassicaudata</i> ) with other extant pangolin species based on complete cytochrome b mitochondrial gene. <b>2018</b> , 29, 1276-1283	3
1015	Phylogenetic analysis of the Belgian HIV-1 epidemic reveals that local transmission is almost exclusively driven by men having sex with men despite presence of large African migrant communities. <b>2018</b> , 61, 36-44	18
1014	Evolution of the receptors for growth hormone, prolactin, erythropoietin and thrombopoietin in relation to the vertebrate tetraploidizations. <b>2018</b> , 257, 143-160	14
1013	Genetic analysis of ciliates living on the groundwater amphipod <i>Crangonyx islandicus</i> (Amphipoda: Crangonyctidae). <b>2018</b> , 99, 188-198	6
1012	Genic simple sequence repeat markers for measuring genetic diversity in a native food crop: a case study of Australian <i>Kunzea pomifera</i> F.Muell. (muntries). <b>2018</b> , 65, 917-937	
1011	Progressive loss of hybrid histidine kinase genes during the evolution of budding yeasts ( <i>Saccharomycotina</i> ). <b>2018</b> , 64, 841-851	6
1010	Ongoing ecological shifts in a large lake are driven by climate change and eutrophication: evidences from a three-decade study in Lake Garda. <b>2018</b> , 824, 177-195	23
1009	Lignin and cellulose synthesis and antioxidative defense mechanisms are affected by light quality in <i>Brachypodium distachyon</i> . <b>2018</b> , 133, 1-14	12
1008	Bacteriophage Taxonomy: An Evolving Discipline. <b>2018</b> , 1693, 57-71	22
1007	A neo-virus lifestyle exhibited by a (+)ssRNA virus hosted in an unrelated dsRNA virus: Taxonomic and evolutionary considerations. <b>2018</b> , 244, 75-83	30
1006	DENV-1 Genotype V in Brazil: Spatiotemporal dispersion pattern reveals continuous co-circulation of distinct lineages until 2016. <b>2018</b> , 8, 17160	6



1005	Gene Duplication Drives the Evolution of Redundant Regulatory Pathways Controlling Expression of the Major Toxic Secreted Metalloproteases in LGP32. <b>2018</b> , 3,	12
1004	Molecular evolution and transcriptional profile of GH3 and GH20 EN-acetylglucosaminidases in the entomopathogenic fungus <i>Metarhizium anisopliae</i> . <b>2018</b> , 41, 843-857	4
1003	Assessment of matrix-assisted laser desorption ionization-time of flight mass spectrometry for identification and biotyping of the pathogenic oomycete <i>Pythium insidiosum</i> . <b>2018</b> , 77, 61-67	20
1002	Nine draft genome sequences of <i>S. pseudomolecules</i> for the pitch canker pathogen <i>S. pseudomolecules</i> , draft genome of <i>S. pseudomolecules</i> and <i>S. pseudomolecules</i> . <b>2018</b> , 9, 401-418	22
1001	RNA uridylation and decay in plants. <b>2018</b> , 373,	12
1000	Proteotyping bacteria: Characterization, differentiation and identification of pneumococcus and other species within the Mitis Group of the genus <i>Streptococcus</i> by tandem mass spectrometry proteomics. <b>2018</b> , 13, e0208804	18
999	<i>Streblocladia</i> (Rhodomelaceae) in New Zealand: recognition of a new species. <b>2018</b> , 374, 41	
998	Evolutionary analysis of the Chikungunya virus epidemic in Mexico reveals intra-host mutational hotspots in the E1 protein. <b>2018</b> , 13, e0209292	6
997	Genome of the small hive beetle ( <i>Aethina tumida</i> , Coleoptera: Nitidulidae), a worldwide parasite of social bee colonies, provides insights into detoxification and herbivory. <b>2018</b> , 7,	25
996	Evolutionary History of Plant LysM Receptor Proteins Related to Root Endosymbiosis. <b>2018</b> , 9, 923	20
995	LysM Receptor-Like Kinase and LysM Receptor-Like Protein Families: An Update on Phylogeny and Functional Characterization. <b>2018</b> , 9, 1531	46
994	Evolutionary history and spatiotemporal dynamics of the HIV-1 subtype B epidemic in Guatemala. <b>2018</b> , 13, e0203916	1
993	Tfo belongs to HmuY-like family of proteins but differs in heme-binding properties. <b>2018</b> , 38,	11
992	Structure of Microbial Mats in the Mramornaya Bay (Crimea) Coastal Areas. <b>2018</b> , 87, 681-691	11
991	Green light to an integrative view of <i>Microsclex phosphoreus</i> (Dugès, 1837) (Annelida: Clitellata: Acanthodrilidae). <b>2018</b> , 4496, 175-189	3
990	Molecular insight into Italian canine parvovirus heterogeneity and comparison with the worldwide scenario. <b>2018</b> , 66, 171-179	11
989	Molecular Characterization of MbraOR16, a Candidate Sex Pheromone Receptor in <i>Mamestra brassicae</i> (Lepidoptera: Noctuidae). <b>2018</b> , 18,	2
988	So many genes, so little time: A practical approach to divergence-time estimation in the genomic era. <b>2018</b> , 13, e0197433	70



987	Integrative species delimitation and phylogeny of the branchiate worm <i>Branchiodrilus</i> (Clitellata, Naididae). <b>2018</b> , 47, 727-742	8
986	Environmental pH modulates transcriptomic responses in the fungus <i>Fusarium</i> sp. associated with KSHB <i>Euw Wallacea</i> sp. near <i>forficatus</i> . <b>2018</b> , 19, 721	8
985	Advances in Bioinformatics and Computational Biology. <b>2018</b> ,	
984	Antiretroviral resistance, genotypic characterization and origin of Human Immunodeficiency Virus among the infected wives of Intravenous drug users in Manipur. <b>2018</b> , 8, 15183	2
983	Revisiting Key Entry Routes of Human Epidemic Arboviruses into the Mainland Americas through Large-Scale Phylogenomics. <b>2018</b> , 2018, 6941735	15
982	Structural and functional characterization of IdiA/FutA (Tery_3377), an iron-binding protein from the ocean diazotroph. <b>2018</b> , 293, 18099-18109	8
981	First detection and molecular characterization of a DENV-1/DENV-4 co-infection during an epidemic in Rio de Janeiro, Brazil. <b>2018</b> , 6, 2075-2080	
980	Molecular evolution and functional divergence of alcohol dehydrogenases in animals, fungi and plants. <b>2018</b> , 41, 341-354	8
979	Evolutionary history of Mo25 gene in plants, a component of RAM/MOR signaling network. <b>2018</b> , 153, 64-73	1
978	Detection of human bocavirus-1 in both nasal and stool specimens from children under 5 years old with influenza-like illnesses or diarrhea in Gabon. <b>2018</b> , 11, 495	11
977	Dark septate endophytes isolated from a xerophyte plant promote the growth of <i>Ammopiptanthus mongolicus</i> under drought condition. <b>2018</b> , 8, 7896	57
976	Differences in Performance among Test Statistics for Assessing Phylogenomic Model Adequacy. <b>2018</b> , 10, 1375-1388	9
975	Linking Genomic and Metabolomic Natural Variation Uncovers Nematode Pheromone Biosynthesis. <b>2018</b> , 25, 787-796.e12	20
974	First report of wild boar susceptibility to Porcine circovirus type 3: High prevalence in the Colli Euganei Regional Park (Italy) in the absence of clinical signs. <b>2018</b> , 65, 957-962	36
973	Phylogeny and putative virulence gene analysis of <i>Bartonella bovis</i> . <b>2018</b> , 80, 653-661	3
972	enhances insect-specific flavivirus infection in mosquitoes. <b>2018</b> , 8, 5441-5454	25
971	The Pyruvate Dehydrogenase Kinases Are Essential To Integrate Carbon Source Metabolism. <b>2018</b> , 8, 2445-2463	9
970	Ancient DNA provides evidence of 27,000-year-old papillomavirus infection and long-term codivergence with rodents. <b>2018</b> , 4, vey014	5

969	Large-scale digitization of herbarium specimens: Development and usage of an automated, high-throughput conveyor system. <b>2018</b> , 67, 149-164	23
968	An integrative redescription of <i>Hypsibius dujardini</i> (Doyère, 1840), the nominal taxon for Hypsibioidea (Tardigrada: Eutardigrada). <b>2018</b> , 4415, 45-75	66
967	NR3E receptors in cnidarians: A new family of steroid receptor relatives extends the possible mechanisms for ligand binding. <b>2018</b> , 184, 11-19	11
966	Diversity of rickettsiae and potential vectors of spotted fever in an area of epidemiological interest in the Cerrado biome, midwestern Brazil. <b>2018</b> , 32, 481-489	8
965	Distribution of the genus <i>Zonaria</i> (Dictyotales: Phaeophyceae) in New Zealand, and description of <i>Zonaria cryptica</i> sp. nov from Stewart Island. <b>2018</b> , 56, 264-275	1
964	Identification of a Novel Hepatitis C Virus Genotype From Punjab, India: Expanding Classification of Hepatitis C Virus Into 8 Genotypes. <b>2018</b> , 218, 1722-1729	129
963	Contrasting patterns of molecular diversity and <i>Wolbachia</i> infection in bisexual and parthenogenetic <i>Strophosoma</i> weevils (Coleoptera: Curculionidae). <b>2018</b> , 21, 385-395	4
962	Distinctive characters of <i>Nostoc</i> genomes in cyanolichens. <b>2018</b> , 19, 434	16
961	In silico analyses of protein glycosylating genes in the helminth <i>Fasciola hepatica</i> (liver fluke) predict protein-linked glycan simplicity and reveal temporally-dynamic expression profiles. <b>2018</b> , 8, 11700	5
960	Inferring demographic parameters in bacterial genomic data using Bayesian and hybrid phylogenetic methods. <b>2018</b> , 18, 95	13
959	The Gene Encodes an R3-MYB Protein Repressing Anthocyanin Synthesis in Tomato Plants. <b>2018</b> , 9, 830	44
958	Human parasitism and toxicosis by <i>Ornithodoros rietcorraei</i> (Acari: Argasidae) in an urban area of Northeastern Brazil. <b>2018</b> , 9, 1494-1498	11
957	Divergent evolution and clade-specific duplications of the Insulin-like Receptor in malacostracan crustaceans. <b>2018</b> , 268, 34-39	6
956	Examination of novel <i>Aureobasidium pullulans</i> isolates dominating apple microflora and assessing their potential for apple juice spoilage. <b>2018</b> , 34, 115	3
955	Cryptic diversity in supposedly species-poor genera of Enchytraeidae (Annelida: Clitellata). <b>2018</b> , 183, 749-762	12
954	A new black fly (Diptera: Simuliidae) species of the subgenus <i>Asiosimulium</i> Takaoka Choochote from Thailand. <b>2018</b> , 4388, 111-122	7
953	Coevolution of the Toll-Like Receptor 4 Complex with Calgranulins and Lipopolysaccharide. <b>2018</b> , 9, 304	11
952	Improvement of the Uranium Sequestration Ability of a sp. (ChISP Strain) Isolated From Extreme Uranium Mine Tailings Through Selection for Potential Bioremediation Application. <b>2018</b> , 9, 523	9

951	GET_PHYLOMARKERS, a Software Package to Select Optimal Orthologous Clusters for Phylogenomics and Inferring Pan-Genome Phylogenies, Used for a Critical Geno-Taxonomic Revision of the Genus. <b>2018</b> , 9, 771	57
950	Two New Lytic Bacteriophages of the Family Against Carbapenem-Resistant. <b>2018</b> , 9, 850	32
949	Genome-Wide Analysis Reveals Ancestral Lack of Seventeen Different tRNAs and Clade-Specific Loss of tRNA-CNNs in Archaea. <b>2018</b> , 9, 1245	
948	Testing for Polytomies in Phylogenetic Species Trees Using Quartet Frequencies. <b>2018</b> , 9,	55
947	Phylogeny of the Inula group (Asteraceae: Inuleae): Evidence from nuclear and plastid genomes and a recircumscription of Pentanema. <b>2018</b> , 67, 165-178	15
946	Prevalence and molecular variability of Apple chlorotic leaf spot virus capsid protein genes in Lithuania. <b>2018</b> , 125, 389-396	1
945	Molecular cloning and bioactivity of an IL-2 homologue in large yellow croaker ( <i>Larimichthys crocea</i> ). <b>2018</b> , 81, 309-317	20
944	Why comprehensive datasets matter when inferring epidemic links or subgenotyping. <b>2018</b> , 65, 350-351	3
943	The HIV-1 Subtype B Epidemic in French Guiana and Suriname Is Driven by Ongoing Transmissions of Pandemic and Non-pandemic Lineages. <b>2018</b> , 9, 1738	9
942	Correct Identification of From Blood Culture Using : A First Case Report in an Immunocompromised Patient in Mexico. <b>2018</b> , 5, 205	6
941	Accidental Father-to-Son HIV-1 Transmission During the Seroconversion Period. <b>2018</b> , 34, 857-862	4
940	Columbid circoviruses detected in free ranging pigeons from Southern Brazil: insights on PiCV evolution. <b>2018</b> , 163, 3083-3090	6
939	Diversity and Applications of Endophytic Actinobacteria of Plants in Special and Other Ecological Niches. <b>2018</b> , 9, 1767	75
938	HCV phylogenetic signature and prevalence of pretreatment NS5A and NS5B NI-Resistance associated substitutions in HCV-Infected patients in Mainland China. <b>2018</b> , 158, 178-184	13
937	Discovery of associated tunisia virus: a new ssRNA(+) virus representing a new insect associated virus family. <b>2018</b> , 4, vex040	11
936	Diatom Allantoin Synthase Provides Structural Insights into Natural Fusion Protein Therapeutics. <b>2018</b> , 13, 2237-2246	2
935	FGF binding proteins (FGFBPs): Modulators of FGF signaling in the developing, adult, and stressed nervous system. <b>2018</b> , 1864, 2983-2991	9
934	Hepatitis B virus genotypes A1, A2 and E in Cape Verde: Unequal distribution through the islands and association with human flows. <b>2018</b> , 13, e0192595	4

933	Epiphytic <i>Jania</i> in New Zealand: <i>Jania sphaeroramosa</i> sp. nov. (Corallinales, Rhodophyta). <b>2018</b> , 357, 30	4
932	Comparative evaluation of the identification of rapidly growing non-tuberculous mycobacteria by mass spectrometry (MALDI-TOF MS), GenoType Mycobacterium CM/AS assay and partial sequencing of the <i>rpoB</i> gene with phylogenetic analysis as a reference method. <b>2019</b> , 37, 160-166	4
931	Tree Evaluation and Robustness Testing. <b>2019</b> , 736-745	
930	Biological and molecular characterization of Uruguayan citrus tristeza virus field isolates. <b>2019</b> , 101, 97-105	3
929	isolated from a pediatric patient with acute myeloid leukemia: The first case in humans. <b>2019</b> , 111, 793-797	2
928	Identification and Phylogenetic Characterization of Human Enteroviruses Isolated from Cases of Aseptic Meningitis in Brazil, 2013-2017. <b>2019</b> , 11,	15
927	Effects of the Q80K Polymorphism on the Physicochemical Properties of Hepatitis C Virus Subtype 1a NS3 Protease. <b>2019</b> , 11,	1
926	Nitrogen alters effects of disturbance on annual grassland community diversity: Implications for restoration. <b>2019</b> , 107, 2054-2064	5
925	A spliceosomal twin intron (stwintron) participates in both exon skipping and evolutionary exon loss. <b>2019</b> , 9, 9940	2
924	Meta-omics reveals genetic flexibility of diatom nitrogen transporters in response to environmental changes. <b>2019</b> ,	17
923	A Phylogenomic Supertree of Birds. <b>2019</b> , 11, 109	47
922	Natural Vertical Transmission of Zika Virus in Larval <i>Aedes aegypti</i> Populations, Morelos, Mexico. <b>2019</b> , 25, 1477-1484	9
921	Phylogeographic Analyses Reveal the Early Expansion and Frequent Bidirectional Cross-Border Transmissions of Non-pandemic HIV-1 Subtype B Strains in Hispaniola. <b>2019</b> , 10, 1340	4
920	Reconstruction of the spatial and temporal dynamics of hepatitis B virus genotype D in the Americas. <b>2019</b> , 14, e0220342	7
919	Unexpected discovery of <i>Diadema clarki</i> in the Coral Triangle. <b>2019</b> , 49, 2381-2399	6
918	Evaluation of HBV-Like Circulation in Wild and Farm Animals from Brazil and Uruguay. <b>2019</b> , 16,	3
917	Characterization of Cyanophages in Lake Erie: Interaction Mechanisms and Structural Damage of Toxic Cyanobacteria. <b>2019</b> , 11,	8
916	Iterative allogamy-autogamy transitions drive actual and incipient speciation during the ongoing evolutionary radiation within the orchid genus <i>Epipactis</i> (Orchidaceae). <b>2019</b> , 124, 481-497	19

915	Sebacinoids within rhizospheric fungal communities associated with subsistence farming in the Congo Basin: a needle in each haystack. <b>2019</b> , 95,	6
914	Molecular and biological properties of two putative new cytorhabdoviruses infecting <i>Trifolium pratense</i> . <b>2019</b> , 68, 1276-1286	5
913	Molecular epidemiology of infectious bronchitis virus and avian metapneumovirus in Greece. <b>2019</b> , 98, 5374-5384	11
912	Perturbations of the ZED1 pseudokinase activate plant immunity. <b>2019</b> , 15, e1007900	23
911	Osmoregulation in Barnacles: An Evolutionary Perspective of Potential Mechanisms and Future Research Directions. <b>2019</b> , 10, 877	4
910	<i>Dictyota korowai</i> sp. nov. (Dictyotales, Phaeophyceae) from Manawatū/hi/Three Kings Islands, northern New Zealand, previously confused with <i>Dictyota intermedia</i> . <b>2019</b> , 58, 433-442	4
909	A new species of black fly (Diptera: Simuliidae) in the <i>Simulium</i> ( <i>Simulium</i> ) <i>multistriatum</i> species-group from Thailand. <b>2019</b> , 4586, zootaxa.4586.3.4	9
908	A new species in the major malaria vector complex sheds light on reticulated species evolution. <b>2019</b> , 9, 14753	27
907	New Caledonian ultramafic conditions structure the features of strains that play a role in plant adaptation. <b>2019</b> , 65, 880-894	6
906	Light-regulated collective contractility in a multicellular choanoflagellate. <b>2019</b> , 366, 326-334	56
905	New morphological and genetic data of (Diesing, 1851) ( <i>Acanthocephala</i> : <i>Archiacanthocephala</i> ) in the giant anteater Linnaeus, 1758 ( <i>Pilosa</i> : <i>Myrmecophagidae</i> ). <b>2019</b> , 10, 281-288	3
904	A secreted metal-binding protein protects necrotrophic phytopathogens from reactive oxygen species. <b>2019</b> , 10, 4853	6
903	<i>Methanohalobium</i> . <b>2019</b> , 1-6	0
902	<i>Methanonatronarchaeum</i> . <b>2019</b> , 1-6	
901	<i>Desulfurispira</i> . <b>2019</b> , 1-4	
900	The First Complete Genome Sequences of Hepatitis C Virus Subtype 2b from Latin America: Molecular Characterization and Phylogeographic Analysis. <b>2019</b> , 11,	1
899	gen. nov., sp. nov., a New Member of the Family Isolated From a Wound Infection, Carries a Novel Quinolone Resistance Gene Variant. <b>2019</b> , 10, 2511	7
898	A tale of worldwide success: Behind the scenes of <i>Carex</i> (Cyperaceae) biogeography and diversification. <b>2019</b> , 57, 695-718	41

897	A Chemosensory GPCR as a Potential Target to Control the Root-Knot Nematode Parasitism in Plants. <b>2019</b> , 24,	4
896	Grafting of poly(methacrylic acid-co-acrylamide) film on silicon surface via a simultaneous hydrolysis process. <b>2019</b> , 21, 100678	0
895	191 Early weaning in pigs induces long-term alterations in intestinal nutrient transporter function and expression partially via beta adrenergic enteric neural receptors. <b>2019</b> , 97, 112-113	78
894	Evolutionary signatures of photoreceptor transmutation in geckos reveal potential adaptation and convergence with snakes. <b>2019</b> , 73, 1958-1971	15
893	Confirmation of <i>Caprella scauroides</i> Mayer, 1903 (Crustacea: Amphipoda) from New Zealand, using integrative techniques. <b>2019</b> , 4686, zootaxa.4686.3.3	1
892	Bovine coronavirus in Uruguay: genetic diversity, risk factors and transboundary introductions from neighboring countries. <b>2019</b> , 164, 2715-2724	18
891	Comparison of Sanger sequencing for hepatitis C virus genotyping with a commercial line probe assay in a tertiary hospital. <b>2019</b> , 19, 738	3
890	Selective deployment of transcription factor paralogs with submaximal strength facilitates gene regulation in the immune system. <b>2019</b> , 20, 1372-1380	11
889	Influence of directional positive Darwinian selection-driven evolution on arboviruses Dengue and Zika virulence and pathogenesis. <b>2019</b> , 140, 106607	1
888	Homogenous HIV-1 subtype B from the Brazilian Amazon with infrequent diverse BF1 recombinants, subtypes F1 and C among blood donors. <b>2019</b> , 14, e0221151	5
887	Extensive Thioautotrophic Gill Endosymbiont Diversity within a Single (Bivalvia: Lucinidae) Population and Implications for Defining Host-Symbiont Specificity and Species Recognition. <b>2019</b> , 4,	4
886	Evidence of Intra-individual SSU Polymorphisms in Dark-spored Myxomycetes (Amoebozoa). <b>2019</b> , 170, 125681	6
885	Further Elucidation of the Argonaute and Dicer Protein Families in the Model Grass Species. <b>2019</b> , 10, 1332	5
884	DNA analysis of elasmobranch products originating from Bangladesh reveals unregulated elasmobranch fishery and trade on species of global conservation concern. <b>2019</b> , 14, e0222273	8
883	RhopH3, rhoptry gene conserved in the free-living alveolate flagellate <i>Colpodella</i> sp. ( <i>Apicomplexa</i> ). <b>2019</b> , 71, 125637	4
882	Identification and Characterization of "" Strains Causing Invasive Disease in Ontario, Canada (2016 to 2018). <b>2019</b> , 57,	4
881	A new species of sponge-dwelling amphipod, <i>Polycheria spongoteris</i> sp. nov., from Spirits Bay, Northland, New Zealand. <b>2019</b> , 4674, zootaxa.4674.1.7	
880	Effects of Habitat Partitioning on the Distribution of Bacterioplankton in Deep Lakes. <b>2019</b> , 10, 2257	8

879	Epidemiology and molecular characterization of the re-emerging measles virus among children and adults in the Haut-Ogooue, Gabon. <b>2019</b> , 19, 90	2
878	HIV-1 Molecular Epidemiology, Transmission Clusters and Transmitted Drug Resistance Mutations in Central Brazil. <b>2019</b> , 10, 20	9
877	Phylogeny and evolution of infectious bursal disease virus circulating in Turkish broiler flocks. <b>2019</b> , 98, 1976-1984	7
876	A ten year study of prevalence, antimicrobial susceptibility pattern, and genotypic characterization of Methicillin resistant Staphylococcus aureus causing ocular infections in a tertiary eye care hospital in South India. <b>2019</b> , 69, 203-210	10
875	Biogeography of the fish pathogen Aeromonas salmonicida inferred by vapA genotyping. <b>2019</b> , 366,	2
874	Detection of human immunodeficiency virus Type 1 phylogenetic clusters with multidrug resistance mutations among 2011 to 2017 blood donors from the highly endemic Northern Brazilian Amazon. <b>2019</b> , 59, 2593-2601	6
873	Arsenite Oxidation by a Newly Isolated Betaproteobacterium Possessing Genes and Diversity of the Gene Cluster in Bacterial Genomes. <b>2019</b> , 10, 1210	6
872	Two classes of EF1-family translational GTPases encoded by giant viruses. <b>2019</b> , 47, 5761-5776	1
871	Characterization of Dark Septate Endophytic Fungi and Improve the Performance of Liquorice Under Organic Residue Treatment. <b>2019</b> , 10, 1364	20
870	Diversity and Evolution of Type III Secreted Effectors: A Case Study of Three Families. <b>2020</b> , 427, 201-230	5
869	Evolutionary study of potentially zoonotic hepatitis E virus genotype 3 from swine in Northeast Brazil. <b>2019</b> , 114, e180585	4
868	Limited Sustained Local Transmission of HIV-1 CRF01_AE in New South Wales, Australia. <b>2019</b> , 11,	3
867	Evolution and functional differentiation of recently diverged phytochelatin synthase genes from Arundo donax L. <b>2019</b> , 70, 5391-5405	9
866	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
865	ICE SXT vs. ICESh95: Co-existence of Integrative and Conjugative Elements and Competition for a New Host. <b>2019</b> , 9, 8045	2
864	Hybrid enrichment of poorly preserved museum specimens refines homology hypotheses in a group of minute litter bugs (Hemiptera: Dipsocoromorpha: Schizopteridae). <b>2019</b> , 44, 985-995	3
863	Redondoviridae, a Family of Small, Circular DNA Viruses of the Human Oro-Respiratory Tract Associated with Periodontitis and Critical Illness. <b>2019</b> , 25, 719-729.e4	36
862	Zika virus detection, isolation and genome sequencing through Culicidae sampling during the epidemic in Vitória, Espírito Santo, Brazil. <b>2019</b> , 12, 220	9



861	Diversity of Uruguayan citrus tristeza virus populations segregated after single aphid transmission. <b>2019</b> , 44, 352-362	1
860	Computational Characterization of the mtORF of Pocilloporid Corals: Insights into Protein Structure and Function in Lineages from Contrasting Environments. <b>2019</b> , 10,	0
859	Exploring the sequence, function, and evolutionary space of protein superfamilies using sequence similarity networks and phylogenetic reconstructions. <b>2019</b> , 620, 315-347	10
858	DNA Barcode Reveals the Bycatch of Endangered Batoids Species in the Southwest Atlantic: Implications for Sustainable Fisheries Management and Conservation Efforts. <b>2019</b> , 10,	12
857	Taxonomy of Physaloptera mirandai (Nematoda: Physalopteroidea) based in three-dimensional microscopy and phylogenetic positioning. <b>2019</b> , 195, 115-126	6
856	The evolutionary landscape of the Rab family in chordates. <b>2019</b> , 76, 4117-4130	6
855	A wild circulation: High presence of Porcine circovirus 3 in different mammalian wild hosts and ticks. <b>2019</b> , 66, 1548-1557	32
854	Global study of MFS superfamily transporters in arabidopsis and grapes reveals their functional diversity in plants. <b>2019</b> , 18, 100179	5
853	The Genome of Cucurbita argyrosperma (Silver-Seed Gourd) Reveals Faster Rates of Protein-Coding Gene and Long Noncoding RNA Turnover and Neofunctionalization within Cucurbita. <b>2019</b> , 12, 506-520	22
852	Bioinformatics analysis of evolutionary characteristics and biochemical structure of FGF5 Gene in sheep. <b>2019</b> , 702, 123-132	7
851	The mystery of the phylogeographic structural pattern in rodent-borne hantaviruses. <b>2019</b> , 136, 35-43	1
850	Discovery, characterisation and genomic variation of six novel Gammapapillomavirus types from penile swabs in South Africa. <b>2019</b> , 7, 102-111	8
849	The complete chloroplast genomes of the evergreen tree species Cinnamomum camphora and Cinnamomum parthenoxylon (Laurales: Lauraceae). <b>2019</b> , 4, 813-814	2
848	Secreted frizzled related protein is a target of PaxB and plays a role in aquiferous system development in the freshwater sponge, Ephydatia muelleri. <b>2019</b> , 14, e0212005	5
847	A molecular phylogeny of chafers revisits the polyphyly of Tanyproctini (Scarabaeidae, Melolonthinae). <b>2019</b> , 48, 349-358	5
846	Molecular basis of the digestive functionality in developing Persian sturgeon (Acipenser persicus) larvae: additional clues for its phylogenetic status. <b>2019</b> , 189, 367-383	3
845	Comparative evaluation of the identification of rapidly growing non-tuberculous mycobacteria by mass spectrometry (MALDI-TOF MS), GenoType Mycobacterium CM/AS assay and partial sequencing of the rpoB gene with phylogenetic analysis as a reference method. <b>2019</b> , 37, 160-166	0
844	The N termini of the inhibitory $\beta$ subunits of phosphodiesterase-6 (PDE6) from rod and cone photoreceptors differentially regulate transducin-mediated PDE6 activation. <b>2019</b> , 294, 8351-8360	8



843	Response of a kleptoplastidic foraminifer to heterotrophic starvation: photosynthesis and lipid droplet biogenesis. <b>2019</b> , 95,	7
842	Large ancestral effective population size explains the difficult phylogenetic placement of owl monkeys. <b>2019</b> , 81, e22955	5
841	Gene duplication and relaxation from selective constraints of GCYC genes correlated with various floral symmetry patterns in Asiatic Gesneriaceae tribe Trichosporeae. <b>2019</b> , 14, e0210054	2
840	Ontogeny of symbiont community structure in two carotenoid-rich, viviparous marine sponges: comparison of microbiomes and analysis of culturable pigmented heterotrophic bacteria. <b>2019</b> , 11, 249-261	12
839	Salinity-Growth Response and Ichthyotoxic Potency of the Chilean Pseudochattonella verruculosa. <b>2019</b> , 6,	9
838	Identification of 19 Novel Hepatitis C Virus Subtypes-Further Expanding HCV Classification. <b>2019</b> , 6, ofz076	39
837	Evolutionary history of the Pasque-flowers (Pulsatilla, Ranunculaceae): Molecular phylogenetics, systematics and rDNA evolution. <b>2019</b> , 135, 45-61	8
836	Functional Multigenomic Screening of Human-Associated Bacteria for NF- $\kappa$ B-Inducing Bioactive Effectors. <b>2019</b> , 10,	3
835	IMA Genome-F 11: Draft genome sequences of and and genome annotation for. <b>2019</b> , 10, 13	8
834	Mobilitealea. <b>2019</b> , 1-5	
833	Desulfurispirillum. <b>2019</b> , 1-5	
832	Morphological and molecular-genetic characterization of Chloromyxum trilineatum n. sp. (Myxosporea: Bivalvulida) in the gall bladder of pale chub (Zacco platypus) in Japan. <b>2019</b> , 118, 3349-3357	0
831	Novel findings to the biosynthetic pathway of magnoflorine and taspine through transcriptomic and metabolomic analysis of Croton draco (Euphorbiaceae). <b>2019</b> , 19, 560	1
830	More Than One HMG-CoA Lyase: The Classical Mitochondrial Enzyme Plus the Peroxisomal and the Cytosolic Ones. <b>2019</b> , 20,	9
829	Exploring HIV-1 Transmission Dynamics by Combining Phylogenetic Analysis and Infection Timing. <b>2019</b> , 11,	6
828	Identification of a Novel Ad $\beta$ e Penguin Circovirus at Cape Crozier (Ross Island, Antarctica). <b>2019</b> , 11,	10
827	Analysis of HIV-1 diversity, primary drug resistance and transmission networks in Croatia. <b>2019</b> , 9, 17307	8
826	Hepatitis C Virus among Female Sex Workers: A Cross-Sectional Study Conducted along Rivers and Highways in the Amazon Region. <b>2019</b> , 8,	5

825	Genomic and phenotypic insights point to diverse ecological strategies by facultative anaerobes obtained from subsurface coal seams. <b>2019</b> , 9, 16186	5
824	High diversity of coralline algae in New Zealand revealed: Knowledge gaps and implications for future research. <b>2019</b> , 14, e0225645	17
823	Phosphorylation Dynamics of JNK Signaling: Effects of Dual-Specificity Phosphatases (DUSPs) on the JNK Pathway. <b>2019</b> , 20,	22
822	Dethiobacter. <b>2019</b> , 1-5	
821	Methanonatronarchaeia. <b>2019</b> , 1-2	
820	Impact of the Cultivation Technique on the Production of Secondary Metabolites by TM-237-S5, Isolated from the Sponge. <b>2019</b> , 17,	3
819	Evolution of green lacewings (Neuroptera: Chrysopidae): a molecular supermatrix approach. <b>2019</b> , 44, 499-513	5
818	Diagnostic methods for identifying different <i>Aeromonas</i> species and examining their pathogenicity factors, their correlation to cytotoxicity and adherence to fish mucus. <b>2019</b> , 42, 189-219	10
817	Genome-wide analysis of the <i>Tetrahymena thermophila</i> glutathione S-transferase gene superfamily. <b>2019</b> , 111, 534-548	5
816	New systematic position of <i>Itatingomyia</i> Albuquerque (Diptera, Muscidae) based on molecular evidence, and description of the female of <i>I. couriae</i> . <b>2019</b> , 63, 35-42	1
815	Phylogenetic, molecular evolution and structural analyses of the WFDC1/prostate stromal protein 20 (ps20). <b>2019</b> , 686, 125-140	3
814	Rare and phylogenetically distinct plant species exhibit less diverse root-associated pathogen communities. <b>2019</b> , 107, 1226-1237	9
813	First confirmed record of the Critically Endangered green sawfish <i>Pristis zijsron</i> from Bangladeshi waters. <b>2019</b> , 94, 200-203	2
812	Persistence and Microevolution of in the Cystic Fibrosis Lung: A Single-Patient Longitudinal Genomic Study. <b>2018</b> , 9, 3242	19
811	De novo assembly and transcriptome of <i>Pfaffia glomerata</i> uncovers the role of photoautotrophy and the P450 family genes in 20-hydroxyecdysone production. <b>2019</b> , 256, 601-614	7
810	Integrative taxonomic approach of trypanosomes in the blood of rodents and soricids in Asian countries, with the description of three new species. <b>2019</b> , 118, 97-109	3
809	Gene-wise resampling outperforms site-wise resampling in phylogenetic coalescence analyses. <b>2019</b> , 131, 80-92	18
808	Molecular diversity of "Candidatus <i>Phytoplasma mali</i> " strains associated with apple proliferation disease in Bulgarian germplasm collection. <b>2019</b> , 64, 373-382	2

807	Detection of novel astroviruses among rodents of Gabon, Central Africa. <b>2019</b> , 68, 43-46		4
806	IGFBP-rP1, a strongly conserved member of the androgenic hormone signalling pathway in Isopoda. <b>2019</b> , 272, 9-19		2
805	OxyR Regulates the Transcriptional Response to Hydrogen Peroxide. <b>2019</b> , 87,		31
804	Multi-locus phylogeny of African pipits and longclaws (Aves: Motacillidae) highlights taxonomic inconsistencies. <b>2019</b> , 161, 781-792		1
803	High-Throughput Reconstruction of Ancestral Protein Sequence, Structure, and Molecular Function. <b>2019</b> , 1851, 135-170		4
802	Identification of RNAi-related genes and transgenerational efficiency of RNAi in <i>Artemia franciscana</i> . <b>2019</b> , 501, 285-292		6
801	Kleptoplastidic benthic foraminifera from aphotic habitats: insights into assimilation of inorganic C, N and S studied with sub-cellular resolution. <b>2019</b> , 21, 125-141		16
800	Evidence for a conserved microbiota across the different developmental stages of <i>Plodia interpunctella</i> . <b>2019</b> , 26, 466-478		18
799	Phylogenetic and Morphological Analysis of Birch Mice (Genus <i>Sicista</i> , Family Sminthidae, Rodentia) in the Kazak Cradle with Description of a New Species. <b>2019</b> , 26, 147-163		8
798	A novel insect-infecting virga/nege-like virus group and its pervasive endogenization into insect genomes. <b>2019</b> , 262, 37-47		20
797	infection of wild mammals in Japan and Sardinia (Italy). <b>2018</b> , 94, e13		4
796	sp. nov. (Nematoda: Rhabdiasidae), parasite of gr. (Laurenti, 1768) (Anura: Hylidae), from the Brazilian Amazon. <b>2019</b> , 94, e54		4
795	Phylogenomics Uncovers Confidence and Conflict in the Rapid Radiation of Australo-Papuan Rodents. <i>Systematic Biology</i> , <b>2020</b> , 69, 431-444	8.4	17
794	Mitochondrial DNA diversity and gene flow in Southeast Asian populations of the synchronously flashing firefly, <i>Pteroptyx tener</i> Olivier (Coleoptera: Lampyridae). <b>2020</b> , 54, 175-196		2
793	(Trichostrongylidae: Cooperiinae) and (Chabertiidae: Oesophagostominae) in feral alien Reeves's muntjacs on Izu-Oshima Island, Tokyo, Japan. <b>2019</b> , 94, e48		3
792	Synapomorphies Behind Shared Derived Characters: Examples from the Great Apes' Genomic Data. <b>2020</b> , 68, 357-365		23
791	Phylogeny and Sequence Space: A Combined Approach to Analyze the Evolutionary Trajectories of Homologous Proteins. The Case Study of Aminodeoxychorismate Synthase. <b>2020</b> , 68, 139-156		2
790	Quartet-Based Computations of Internode Certainty Provide Robust Measures of Phylogenetic Incongruence. <i>Systematic Biology</i> , <b>2020</b> , 69, 308-324	8.4	17

789	Chloroplast genome of an extremely endangered conifer Franch.: gene organization, comparative and phylogenetic analysis. <b>2020</b> , 26, 409-418	5
788	Use of Museum Specimens to Refine Historical Pronghorn Subspecies Boundaries. <b>2020</b> , 84, 524-533	1
787	Sequencing of ZIKV genomes directly from <i>Ae. aegypti</i> and <i>Cx. quinquefasciatus</i> mosquitoes collected during the 2015-16 epidemics in Recife. <b>2020</b> , 80, 104180	2
786	Fitness advantage of inter-species TYLCV recombinants induced by beneficial intra-genomic interactions rather than by specific mutations. <b>2020</b> , 542, 20-27	3
785	Phylogenetic characterisation of seven spp. (Myxozoa: Myxosporea: Multivalvulida) from commercial fish in southern China and Japan. <b>2020</b> , 147, 448-464	4
784	The <i>Medicago truncatula</i> E3 ubiquitin ligase PUB1 negatively regulates rhizobial and arbuscular mycorrhizal symbioses through its ubiquitination activity. <b>2020</b> , 453-460	
783	Full genome sequence analysis of a novel adenovirus from a captive polar bear ( <i>Ursus maritimus</i> ). <b>2020</b> , 277, 197846	1
782	<i>Corynebacterium sanguinis</i> sp. nov., a clinical and environmental associated corynebacterium. <b>2020</b> , 43, 126039	6
781	Divergence and support among slightly suboptimal likelihood gene trees. <b>2020</b> , 36, 322-340	10
780	ILS-Aware Analysis of Low-Homoplasy Retroelement Insertions: Inference of Species Trees and Introgression Using Quartets. <b>2020</b> , 111, 147-168	18
779	Integrated taxonomic approaches to seven species of capillariid nematodes (Nematoda: Trichocephalida: Trichinelloidea) in poultry from Japan and Indonesia, with special reference to their 18S rDNA phylogenetic relationships. <b>2020</b> , 119, 957-972	7
778	Occurrence and Molecular Phylogeny of Honey Bee Viruses in Vespids. <b>2019</b> , 12,	8
777	DGINN, an automated and highly-flexible pipeline for the detection of genetic innovations on protein-coding genes. <b>2020</b> , 48, e103	3
776	Testing species hypotheses for <i>Fridericia magna</i> , an enchytraeid worm (Annelida: Clitellata) with great mitochondrial variation. <b>2020</b> , 20, 116	2
775	Extending biodiversity conservation with functional and evolutionary diversity: a case study of South African sparid fishes. <b>2020</b> , 42, 315-321	2
774	<i>Thiohalomonas</i> . <b>2020</b> , 1-6	0
773	<i>Natrarchaeobius</i> . <b>2020</b> , 1-9	0
772	Epidemiological study on <i>Anaplasma phagocytophilum</i> in cattle: Molecular prevalence and risk factors assessment in different ecological zones in Iran. <b>2020</b> , 183, 105118	6

771	IMA Genome - F13: Draft genome sequences of , and. <b>2020</b> , 11, 19	8
770	Comparing the selective landscape of TLR7 and TLR8 across primates reveals unique sites under positive selection in <i>Alouatta</i> . <b>2020</b> , 152, 106920	0
769	Unraveling the <i>Karenia selliformis</i> complex with the description of a non-gymnodimine producing Patagonian phylotype. <b>2020</b> , 98, 101892	9
768	The Genome of the Softshell Clam <i>Mya arenaria</i> and the Evolution of Apoptosis. <b>2020</b> , 12, 1681-1693	2
767	Reconstruction of the Carbohydrate 6-O Sulfotransferase Gene Family Evolution in Vertebrates Reveals Novel Member, CHST16, Lost in Amniotes. <b>2020</b> , 12, 993-1012	1
766	Mutation Patterns of Human SARS-CoV-2 and Bat RaTG13 Coronavirus Genomes Are Strongly Biased Towards C>U Transitions, Indicating Rapid Evolution in Their Hosts. <b>2020</b> , 11,	51
765	<i>Desulfurivibrio</i> . <b>2020</b> , 1-5	
764	Historical biogeography of smoothhound sharks (genus <i>Mustelus</i> ) of Southern Africa reveals multiple dispersal events from the Northern Hemisphere. <b>2020</b> , 18, 633-645	1
763	On the identity and phylogenetic position of <i>Dero indica</i> (Clitellata: Naididae). <b>2020</b> , 75, 1685-1689	1
762	Comment on "Ancient origins of allosteric activation in a Ser-Thr kinase". <b>2020</b> , 370,	3
761	Epidemiological and Molecular Characteristics of HIV-1 Infection in a Sample of Men Who Have Sex With Men in Brazil: Phylogeography of Major Subtype B and F1 Transmission Clusters. <b>2020</b> , 11, 589937	0
760	Extensive gene rearrangements in the mitogenomes of congeneric annelid species and insights on the evolutionary history of the genus <i>Ophryotrocha</i> . <b>2020</b> , 21, 815	6
759	Phylogenetic analysis of cell-cycle regulatory proteins within the Symbiodiniaceae. <b>2020</b> , 10, 20473	1
758	Human Papillomavirus Infections in Cervical Samples From HIV-Positive Women: Evaluation of the Presence of the Nonavalent HPV Genotypes and Genetic Diversity. <b>2020</b> , 11, 603657	1
757	New insights into and limitations of the molecular phylogeny in the taxon-rich land snail genus <i>Montenegrina</i> (Mollusca: Gastropoda: Clausiliidae). <b>2020</b> , 58, 662-690	1
756	Molecular analysis reveals a high diversity of <i>Anopheles</i> species in Karama, West Sulawesi, Indonesia. <b>2020</b> , 13, 379	6
755	Potential for Powered Flight Neared by Most Close Avialan Relatives, but Few Crossed Its Thresholds. <b>2020</b> , 30, 4033-4046.e8	27
754	Drug Resistance Mutation Frequency of Single-Genome Amplification-Derived HIV-1 Polymerase Genomes in the Cerebrospinal Fluid and Plasma of HIV-1-Infected Individuals under Nonsuppressive Therapy. <b>2020</b> , 94,	0

753	Thiohalospira. <b>2020</b> , 1-7	0
752	Thiohalorhabdus. <b>2020</b> , 1-6	1
751	Characterization of the UDP-glycosyltransferase UGT72 Family in Poplar and Identification of Genes Involved in the Glycosylation of Monolignols. <b>2020</b> , 21,	5
750	The genome sequence of the grape phylloxera provides insights into the evolution, adaptation, and invasion routes of an iconic pest. <b>2020</b> , 18, 90	19
749	Functional diversity of phyllostomid bats in an urban rural landscape: A scale-dependent analysis. <b>2020</b> , 52, 1168-1182	9
748	Plant growth promoting <i>Pseudomonas aeruginosa</i> from <i>Valeriana wallichii</i> displays antagonistic potential against three phytopathogenic fungi. <b>2020</b> , 47, 6015-6026	21
747	In a Pair of Paralogous Isozymes Catalyze the First Committed Step of Leucine Biosynthesis in Either the Mitochondria or the Cytosol. <b>2020</b> , 11, 1843	1
746	De novo Transcriptome of the Non-saxitoxin Producing Reveals New Insights on Harmful Dinoflagellates. <b>2020</b> , 18,	13
745	Structural and posttranslational analysis of human calcium-binding protein, spermatid-associated 1. <b>2020</b> , 121, 4945	1
744	Contingency between Historical Substitutions in the Acetylcholine Receptor Pore. <b>2020</b> , 11, 2861-2868	2
743	Convergent evolution of processivity in bacterial and fungal cellulases. <b>2020</b> , 117, 19896-19903	12
742	Horizontal Transfer and Gene Loss Shaped the Evolution of Alpha-Amylases in Bilaterians. <b>2020</b> , 10, 709-719	2
741	Comparative morphological and transcriptomic analyses reveal chemosensory genes in the poultry red mite, <i>Dermanyssus gallinae</i> . <b>2020</b> , 10, 17923	4
740	Evolutionary History of Alpha Satellite DNA Repeats Dispersed within Human Genome Euchromatin. <b>2020</b> , 12, 2125-2138	8
739	Evolutionary analysis of the <i>Moringa oleifera</i> genome reveals a recent burst of plastid to nucleus gene duplications. <b>2020</b> , 10, 17646	3
738	Regulatory gene function handoff allows essential gene loss in mosquitoes. <b>2020</b> , 3, 540	1
737	Cytokine, Genotype, and Viral Load Profile in the Acute and Chronic Hepatitis B. <b>2020</b> , 33, 620-627	2
736	Comparison of the gut microbiota in the groundwater amphipod <i>Crangonyx islandicus</i> Svavarsson & Kristjansson, 2006 (Amphipoda: Crangonyctidae) to biofilms in its spring-source habitat. <b>2020</b> , 40, 657-667	1

735	Unveiling Crucivirus Diversity by Mining Metagenomic Data. <b>2020</b> , 11,		7
734	Phylogenetic reconstruction of diatoms using a seven-gene dataset, multiple outgroups, and morphological data for a total evidence approach. <b>2020</b> , 59, 422-436		2
733	Few amino acid signatures distinguish HIV-1 subtype B pandemic and non-pandemic strains. <b>2020</b> , 15, e0238995		1
732	Halalkaliarchaeum. <b>2020</b> , 1-8		1
731	Halococcoides. <b>2020</b> , 1-8		0
730	Riboswitch-Associated Guanidinium-Selective Efflux Pumps Frequently Transmitted on Proteobacterial Plasmids Increase Escherichia coli Biofilm Tolerance to Disinfectants. <b>2020</b> , 202,		2
729	Selective Gene Loss of Visual and Olfactory Guanylyl Cyclase Genes Following the Two Rounds of Vertebrate-Specific Whole-Genome Duplications. <b>2020</b> , 12, 2153-2167		1
728	Novel Circoviruses Detected in Feces of Sonoran Felids. <b>2020</b> , 12,		3
727	The insertion of a mitochondrial selfish element into the nuclear genome and its consequences. <b>2020</b> , 10, 11117-11132		1
726	An Evolving View of Phylogenetic Support. <i>Systematic Biology</i> , <b>2020</b> ,	8.4	4
725	Non-denitrifier nitrous oxide reductases dominate marine biomes. <b>2020</b> , 12, 681-692		6
724	Variation in selection constraints on teleost TLRs with emphasis on their repertoire in the Walking catfish, <i>Clarias batrachus</i> . <b>2020</b> , 10, 21394		0
723	Comprehensive Analysis of Clinically Significant Hepatitis B Virus Mutations in Relation to Genotype, Subgenotype and Geographic Region. <b>2020</b> , 11, 616023		10
722	Three Novel Isolates Produce -Caproate and -Butyrate from Lactate: Comparative Genomics of Chain-Elongating Bacteria. <b>2020</b> , 8,		17
721	Genomic Epidemiology of Carbapenemase Producing Strains at a Northern Portuguese Hospital Enables the Detection of a Misidentified KPC-3 Producing Strain. <b>2020</b> , 8,		6
720	A Second Genome Sequence of an Enterovirus C99 Detected in a Healthy Chimpanzee. <b>2020</b> , 9,		0
719	Isolation and Taxonomic Characterization of Novel Haloarchaeal Isolates From Indian Solar Saltern: A Brief Review on Distribution of Bacteriorhodopsins and V-Type ATPases in Haloarchaea. <b>2020</b> , 11, 554927		2
718	Iron Assimilation during Emerging Infections Caused by Opportunistic Fungi with emphasis on Mucorales and the Development of Antifungal Resistance. <b>2020</b> , 11,		10

717	Integrated Analysis of the Transcriptome and Metabolome of : A Plant with High Chlorogenic Acid Content Traditionally Used to Treat Diabetes Mellitus. <b>2020</b> , 21,	2
716	(Nematoda, Heligmosomoidea, Boehmiellidae fam. nov.), found in Amazonian rodents. <b>2020</b> , 13, 119-129	
715	Origin of complexity in haemoglobin evolution. <b>2020</b> , 581, 480-485	30
714	Genetic diversity and connectivity of <i>Flaccisagitta enflata</i> (Chaetognatha: Sagittidae) in the tropical Atlantic ocean (northeastern Brazil). <b>2020</b> , 15, e0231574	2
713	The evolution of ADAM gene family in eukaryotes. <b>2020</b> , 112, 3108-3116	7
712	Viral hijacking of the TENT4-ZCCHC14 complex protects viral RNAs via mixed tailing. <b>2020</b> , 27, 581-588	16
711	Supermatrix phylogeny resolves goby lineages and reveals unstable root of Gobiaria. <b>2020</b> , 151, 106862	11
710	Characterization of occult hepatitis B in high-risk populations in Kenya. <b>2020</b> , 15, e0233727	6
709	Monogalactosyldiacylglycerol and Sulfolipid Synthesis in Microalgae. <b>2020</b> , 18,	15
708	Identification of four new <i>Kudoa</i> spp. (Myxozoa: Myxosporae: Multivalvulida) in commercial fishes collected from South China Sea, Atlantic Ocean, and Bering Sea by integrated taxonomic approach. <b>2020</b> , 119, 2113-2128	6
707	Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. <b>2020</b> , 369, 582-587	162
706	Unraveling the Diversity of Eukaryotic Microplankton in a Large and Deep Perialpine Lake Using a High Throughput Sequencing Approach. <b>2020</b> , 11, 789	5
705	Genotyping of Salmon Gill Poxvirus Reveals One Main Predominant Lineage in Europe, Featuring Fjord- and Fish Farm-Specific Sub-Lineages. <b>2020</b> , 11, 1071	4
704	Comparative analyses of DNA repeats and identification of a novel <i>Fesreba</i> centromeric element in fescues and ryegrasses. <b>2020</b> , 20, 280	5
703	<i>Thioalkalibacter</i> . <b>2020</b> , 1-6	
702	Phylogenetic relationships of three <i>Kudoa</i> spp. with morphologically similar myxospores ( <i>K. iwatai</i> , <i>K. lutjanus</i> , and <i>K. bora</i> ), with the redescription of <i>K. uncinata</i> and <i>K. petala</i> and description of a new species ( <i>K. fujitai</i> n. sp.) in fishes in the South China Sea. <b>2020</b> , 119, 1221-1236	6
701	Morphological and genetic description of sp. n. (Archiacanthocephala) from the wild rodent (Cricetidae: Sigmondontinae) in Brazil. <b>2020</b> , 94, e138	3
700	A Molecular Phylogenetic Study of the Genus <i>Phedimus</i> for Tracing the Origin of "Tottori Fujita" Cultivars. <b>2020</b> , 9,	3



699	The grass squid <i>Pickfordiateuthis pulchella</i> is a paedomorphic loliginid. <b>2020</b> , 147, 106801	3
698	An introduction to phyllosymbiosis. <b>2020</b> , 287, 20192900	56
697	A hairy-root transformation protocol for <i>Trigonella foenum-graecum</i> L. as a tool for metabolic engineering and specialised metabolite pathway elucidation. <b>2020</b> , 154, 451-462	5
696	Feature sensitivity criterion-based sampling strategy from the Optimization based on Phylogram Analysis (Fs-OPA) and Cox regression applied to mental disorder datasets. <b>2020</b> , 15, e0235147	2
695	Isolation and Characterization of a New Endophytic Actinobacterium Strain ADR1 as a Promising Source of Anti-Bacterial, Anti-Biofilm and Antioxidant Metabolites. <b>2020</b> , 8,	14
694	Morphological and metabolic profiling of a tropical-adapted potato association panel subjected to water recovery treatment reveals new insights into plant vigor. <b>2020</b> , 103, 2193-2210	5
693	<i>Thiohalophilus</i> . <b>2020</b> , 1-7	0
692	West Nile Virus in Slovenia. <b>2020</b> , 12,	2
691	Complex intron generation in the yeast genus <i>Lipomyces</i> . <b>2020</b> , 10, 6022	1
690	Phylogenomic Perspective on a Unique <i>Mycobacterium bovis</i> Clade Dominating Bovine Tuberculosis Infections among Cattle and Buffalos in Northern Brazil. <b>2020</b> , 10, 1747	4
689	Inferring Biochemical Reactions and Metabolite Structures to Understand Metabolic Pathway Drift. <b>2020</b> , 23, 100849	6
688	Richness, phylogenetic diversity, and abundance all have positive effects on invader performance in an arid ecosystem. <b>2020</b> , 11, e03045	5
687	Using genomics to understand the origin and dispersion of multidrug and extensively drug resistant tuberculosis in Portugal. <b>2020</b> , 10, 2600	10
686	Reconstructing the evolutionary history of nitrogenases: Evidence for ancestral molybdenum-cofactor utilization. <b>2020</b> , 18, 394-411	21
685	Tentacle Transcriptomes of the Speckled Anemone ( <i>Actiniaria: Actiniidae: Oulactis</i> sp.): Venom-Related Components and Their Domain Structure. <b>2020</b> , 22, 207-219	8
684	Cellular localization, cloning and expression of <i>Leishmania braziliensis</i> Phospholipase A. <b>2020</b> , 141, 104010	2
683	Biology and Life Stages of Pine Spittle Bug Walker (Hemiptera: Cercopidae). <b>2020</b> , 11,	2
682	Factors Influencing the Prevalence of Resistance-Associated Substitutions in NS5A Protein in Treatment-Naive Patients with Chronic Hepatitis C. <b>2020</b> , 8,	1

681	Thiohalobacter. <b>2020</b> , 1-5	0
680	NaStEP, an essential protein for self-incompatibility in Nicotiana, performs a dual activity as a proteinase inhibitor and as a voltage-dependent channel blocker. <b>2020</b> , 151, 352-361	0
679	Limited Microcystin, Anatoxin and Cylindrospermopsin Production by Cyanobacteria from Microbial Mats in Cold Deserts. <b>2020</b> , 12,	8
678	In vitro protective effects of marine-derived Aspergillus puulaaensis TM124-S4 extract on HO-stressed primary human fibroblasts. <b>2020</b> , 66, 104869	6
677	Comparing high throughput sequencing and real time qPCR for characterizing entomopathogenic nematode biogeography. <b>2020</b> , 145, 107793	8
676	HIV-1 Transmission Patterns Within and Between Risk Groups in Coastal Kenya. <b>2020</b> , 10, 6775	8
675	The plant mobile domain proteins MAIN and MAIL1 interact with the phosphatase PP7L to regulate gene expression and silence transposable elements in Arabidopsis thaliana. <b>2020</b> , 16, e1008324	4
674	Responding to Digital Transformation by External Corporate Venturing: An Enterprising Family Identity and Communication Patterns Perspective. <b>2021</b> , 58, 135-164	13
673	Distribution, organization an evolutionary history of La and LARPs in eukaryotes. <b>2021</b> , 18, 159-167	10
672	Detection, replication and quantification of deformed wing virus-A, deformed wing virus-B, and black queen cell virus in the endemic stingless bee, Melipona colimana, from Jalisco, Mexico. <b>2021</b> , 41, 1285-1292	5
671	On the roles of AA15 lytic polysaccharide monooxygenases derived from the termite Coptotermes gestroi. <b>2021</b> , 216, 111316	5
670	Complicated genotypes circulating among treatment naïve HIV-1 patients in Guangzhou, China. <b>2021</b> , 87, 104673	3
669	Prevalence of mild citrus tristeza virus isolates of the T30 genotype in Cuban commercial citrus fields after the dissemination of huanglongbing. <b>2021</b> , 140, 105422	
668	Genetic Characteristics of HIV-1 CRF12_BF First Identified in Guangdong Province, China. <b>2021</b> , 37, 157-161	1
667	Identification and Characterization of Zebrafish Tlr4 Coreceptor Md-2. <b>2021</b> , 206, 1046-1057	7
666	Exploring the Evolutionary History of Kinetic Stability in the Lytic Protease Family. <b>2021</b> , 60, 170-181	0
665	Cytokine profile during occult hepatitis B virus infection in chronic hepatitis C patients. <b>2021</b> , 18, 15	3
664	Environmental Surveillance through Next-Generation Sequencing to Unveil the Diversity of Human Enteroviruses beyond the Reported Clinical Cases. <b>2021</b> , 13,	4

663	DNA recombination and repair in Wolbachia: RecA and related proteins. <b>2021</b> , 296, 437-456	1
662	Identification of Causing Blackleg of Potato in New York State. <b>2021</b> , 105, 2585-2594	2
661	Isolated from Nine-Banded Armadillos () Reveal Population Structure and Admixture in the Amazon Basin. <b>2021</b> , 7,	2
660	Norwegian Soils and Waters Contain Mesophilic, Plastic-Degrading Bacteria. <b>2021</b> , 9,	5
659	Natural infection of free-ranging mandrills ( <i>Mandrillus sphinx</i> ) by enteroviruses and astroviruses in southern Gabon. <b>2021</b> , 150, 104659	
658	Human T-cell leukemia virus type 1 infection among Japanese immigrants and their descendants living in Southeast Brazil: A call for preventive and control responses. <b>2021</b> , 15, e0009066	3
657	Engineering a Cysteine-Deficient Functional <i>Candida albicans</i> Cdr1 Molecule Reveals a Conserved Region at the Cytosolic Apex of ABCG Transporters Important for Correct Folding and Trafficking of Cdr1. <b>2021</b> , 6,	2
656	Function of the HYDROXYCINNAMOYL-CoA:SHIKIMATE HYDROXYCINNAMOYL TRANSFERASE is evolutionarily conserved in embryophytes. <b>2021</b> , 33, 1472-1491	13
655	A new species in the Mycosphaerellaceae from Cecidomyiidae leaf galls on <i>Avicennia marina</i> in South Africa. <b>2021</b> , 114, 515-526	0
654	Ecological Specialization and Evolutionary Reticulation in Extant Hyaenidae. <b>2021</b> , 38, 3884-3897	5
653	Characterization and complete genome sequence of Privateer, a highly prolate podophage. <b>2021</b> , 9, e10645	1
652	Organic nitrogen nutrition: LHT1.2 protein from hybrid aspen ( <i>Populus tremula</i> L. x <i>tremuloides</i> Michx) is a functional amino acid transporter and a homolog of <i>Arabidopsis</i> LHT1. <b>2021</b> , 41, 1479-1496	2
651	Biodiversity of Potential Vectors of Rickettsiae and Epidemiological Mosaic of Spotted Fever in the State of Paraná, Brazil. <b>2021</b> , 9, 577789	0
650	A coffee berry borer ( <i>Hypothenemus hampei</i> ) genome assembly reveals a reduced chemosensory receptor gene repertoire and male-specific genome sequences. <b>2021</b> , 11, 4900	3
649	Hepatitis B Virus Genotype Study in West Africa Reveals an Expanding Clade of Subgenotype A4. <b>2021</b> , 9,	1
648	Ccdc113/Ccdc96 complex, a novel regulator of ciliary beating that connects radial spoke 3 to dynein g and the nexin link. <b>2021</b> , 17, e1009388	7
647	Draft Genome Sequence of sp. Strain SYD-A1, Isolated from Coal Seam Formation Water. <b>2021</b> , 10,	0
646	Human Enterovirus Diversity by Next-Generation Sequencing Analysis in Urban Sewage Samples From Buenos Aires Metropolitan Area, Argentina: A Retrospective Study. <b>2021</b> , 13, 259-269	1

645	An Integrated Molecular Approach to Untangling Host-Vector-Pathogen Interactions in Mosquitoes (Diptera: Culicidae) From Sylvan Communities in Mexico. <b>2020</b> , 7, 564791	2
644	TEX264 at the intersection of autophagy and DNA repair. <b>2021</b> , 1-10	1
643	Ferulic acid, an abundant maize phenolic, regulates ABC and MFS transporter gene expression in the maize pathogen <i>Cochliobolus heterostrophus</i> . <b>2021</b> , 128, 1383-1391	1
642	Identification and Biotyping of Isolated from Urban and Rural Areas of Thailand by Multiplex PCR, DNA Barcode, and Proteomic Analyses. <b>2021</b> , 7,	5
641	The transposable element-rich genome of the cereal pest <i>Sitophilus oryzae</i> .	
640	Molecular phylogenetic study in Spirocercidae (Nematoda) with description of a new species <i>Spirobakerus sagittalis</i> sp. nov. in wild canid <i>Cerdocyon thous</i> from Brazil. <b>2021</b> , 120, 1713-1725	1
639	Genomic investigation of the coronavirus disease-2019 outbreak in the Republic of Korea. <b>2021</b> , 11, 6009	5
638	IMA genome - F14 : Draft genome sequences of <i>Penicillium roqueforti</i> , <i>Fusarium sororula</i> , <i>Chrysosporthe puriensis</i> , and <i>Chalaropsis populi</i> . <b>2021</b> , 12, 5	3
637	Direct molecular evidence for an ancient, conserved developmental toolkit controlling post-transcriptional gene regulation in land plants.	
636	Combined multiple genes phylogenetic analysis and morphological characteristic description of entomopathogenic fungi infecting cicada nymph from northeast of Thailand. <b>2021</b> , 76, 1635-1650	
635	Evidence for sponges as sister to all other animals from partitioned phylogenomics with mixture models and recoding. <b>2021</b> , 12, 1783	12
634	Expression Patterns in Reductive Iron Assimilation and Functional Consequences during Phagocytosis of , an Emerging Cause of Mucormycosis. <b>2021</b> , 7,	5
633	The complete mitochondrial genome and phylogenetic analysis of Yanglong yak (). <b>2021</b> , 6, 1392-1394	
632	Initiation of compatible wheat-Hessian fly interactions triggers the expression of a novel UDP-glycosyltransferase, <i>MdesUGT1</i> , in virulent Hessian fly larvae. <b>2021</b> , 15, 363-374	0
631	Invasion of <i>Eragrostis albensis</i> in Central Europe: distribution patterns, taxonomy and phylogenetic insight into the <i>Eragrostis pilosa</i> complex. <b>2021</b> , 23, 2305-2327	0
630	Impact of Subclinical Infection on Farmed Domestic Pigeons from Central Java (Yogyakarta), Indonesia, with Special Reference to Changes in the Hemogram. <b>2021</b> , 10,	1
629	Update of the global distribution of human gammaherpesvirus 8 genotypes. <b>2021</b> , 11, 7640	2
628	Genome organisation and evolution of a eukaryotic nicotinate co-inducible pathway.	1

627	Disentangling the environmental processes responsible for the world's largest farmed fish-killing harmful algal bloom: Chile, 2016. <b>2021</b> , 766, 144383	13
626	Ancient gene duplications, rather than polyploidization, facilitate diversification of petal pigmentation patterns in <i>Clarkia gracilis</i> (Onagraceae).	
625	Molecular evidence of the avocado defense response to infection: a deep transcriptome analysis using RNA-Seq. <b>2021</b> , 9, e11215	3
624	Metaproteogenomic Profiling of Chemosynthetic Microbial Biofilms Reveals Metabolic Flexibility During Colonization of a Shallow-Water Gas Vent. <b>2021</b> , 12, 638300	2
623	Coincident rapid expansion of two SARS-CoV-2 lineages with enhanced infectivity in Nigeria. <b>2021</b> ,	15
622	<i>Anaerotalea alkaliphila</i> gen. nov., sp. nov., an alkaliphilic, anaerobic, fermentative bacterium isolated from a terrestrial mud volcano. <b>2021</b> , 25, 301-309	0
621	The interplay of spatial scale and landscape transformation moderates the abundance and intraspecific variation in the ecomorphological traits of a phyllostomid bat.	
620	Recurrent Dissemination of SARS-CoV-2 Through the Uruguayan-Brazilian Border. <b>2021</b> , 12, 653986	9
619	Collapsing dubiously resolved gene-tree branches in phylogenomic coalescent analyses. <b>2021</b> , 158, 107092	5
618	Co-Circulation of Bovine Leukemia Virus Haplotypes among Humans, Animals, and Food Products: New Insights of Its Zoonotic Potential. <b>2021</b> , 18,	4
617	Rampant Genome-Wide Admixture across the <i>Heliconius</i> Radiation. <b>2021</b> , 13,	10
616	Functional Diversity of the Litter-Associated Fungi from an Oxalate-Carbonate Pathway Ecosystem in Madagascar. <b>2021</b> , 9,	
615	Genome-resolved metagenomics suggests a mutualistic relationship between <i>Mycoplasma</i> and salmonid hosts. <b>2021</b> , 4, 579	12
614	Arthropods and the evolution of RNA viruses.	2
613	A chromosomal-level reference genome of the widely utilized <i>Coccidioides posadasii</i> laboratory strain BIlveira	1
612	Phylogenetic and Structural Analysis of NIN-Like Proteins With a Type I/II PB1 Domain That Regulates Oligomerization for Nitrate Response. <b>2021</b> , 12, 672035	1
611	Standardized nuclear markers advance metazoan taxonomy.	1
610	Identification of a new species, <i>Unicapsula aequilobata</i> n. sp., and <i>Unicapsula seriola</i> (Myxozoa: Myxosporea: Multivalvulida) in carangid fish from the South China Sea. <b>2021</b> , 120, 2379-2389	1

609	Ultrafast Sample placement on Existing tRees (USHER) enables real-time phylogenetics for the SARS-CoV-2 pandemic. <b>2021</b> , 53, 809-816	58
608	Dynamic Dispersion of HIV-1 Subtype C Toward Brazilian Northeastern Region. <b>2021</b> ,	
607	Testing the Utility of Alternative Metrics of Branch Support to Address the Ancient Evolutionary Radiation of Tunas, Stromateoids, and Allies (Teleostei: Pelagiaria). <i>Systematic Biology</i> , <b>2021</b> , 70, 1123-1144	1
606	The transcription factor FvHmg1 negatively regulates fruiting body development in Winter Mushroom <i>Flammulina velutipes</i> . <b>2021</b> , 785, 145618	1
605	First report of <i>Kudoa thunni</i> and <i>Kudoa musculoliquefaciens</i> affecting the quality of commercially harvested yellowfin tuna and broadbill swordfish in Eastern Australia. <b>2021</b> , 120, 2493-2503	
604	Transcriptomic Analysis of Changes in Gene Expression During Flowering Induction in Sugarcane Under Controlled Photoperiodic Conditions. <b>2021</b> , 12, 635784	5
603	Diversity of mosquito fauna (Diptera, Culicidae) in higher-altitude regions of Croatia.. <b>2021</b> , 46, 65-75	1
602	Time-resolved comparative molecular evolution of oxygenic photosynthesis. <b>2021</b> , 1862, 148400	13
601	Selection of temperate <i>Ulva</i> species and cultivars for land-based cultivation and biomass applications. <b>2021</b> , 56, 102320	4
600	Genome Mining for Antimicrobial Compounds in Wild Marine Animals-Associated Enterococci. <b>2021</b> , 19,	6
599	Genome and Evolutionary Analysis of : A Microsporidian Parasite of Honey Bees. <b>2021</b> , 12, 645353	4
598	Overview of the Genetic Diversity of African (Termitidae: Macrotermitinae) and Implications for Taxonomy, Ecology and Food Science. <b>2021</b> , 12,	
597	Identification and Functional Characterization of Genes Encoding Phenylacetaldehyde Reductases That Catalyze the Last Step in the Biosynthesis of Hydroxytyrosol in Olive. <b>2021</b> , 10,	0
596	Contrasting alien effects on native diversity along biotic and abiotic gradients in an arid protected area. <b>2021</b> , 11, 13557	0
595	Filamentous Fungi and Yeasts Associated with Mites Phoretic on <i>Ips typographus</i> in Eastern Finland. <b>2021</b> , 12, 743	0
594	The Serological Cross-Detection of Bat-Borne Hantaviruses: A Valid Strategy or Taking Chances?. <b>2021</b> , 13,	2
593	Autogenous and anautogenous <i>Culex pipiens</i> bioforms exhibit insulin-like peptide signaling pathway gene expression differences that are not dependent upon larval nutrition.	0
592	Cryogenian Origin and Subsequent Diversification of the Plant Cell-Wall Enzyme XTH Family. <b>2021</b> ,	4

591	Origin and evolutionary landscape of Nr2f transcription factors across Metazoa.		
590	The Role of INAPERTURATE POLLEN1 as a Pollen Aperture Factor Is Conserved in the Basal Eudicot (Papaveraceae). <b>2021</b> , 12, 701286		1
589	Description of Chemosensory Genes in Unexplored Tissues of the Moth <i>Spodoptera littoralis</i> . <b>2021</b> , 9,		1
588	Direct Molecular Evidence for an Ancient, Conserved Developmental Toolkit Controlling Posttranscriptional Gene Regulation in Land Plants. <b>2021</b> , 38, 4765-4777		0
587	Effects of SARS-CoV-2 P.1 introduction and the impact of COVID-19 vaccination on the epidemiological landscape of Sao Jose Do Rio Preto, Brazil.		2
586	Evolutionary Rate Variation Among Lineages in Gene Trees has a Negative Impact on Species-Tree Inference. <i>Systematic Biology</i> , <b>2021</b> ,	8.4	2
585	Comparative Genomics of Clinical Isolates of the Emerging Tick-Borne Pathogen. <b>2021</b> , 9,		3
584	Build a better bootstrap and the RAWR shall beat a random path to your door: phylogenetic support estimation revisited. <b>2021</b> , 37, i111-i119		0
583	Molecular phylogenetic analysis of the <i>Paguristes tortugae</i> Schmitt, 1933 complex and selected other Paguroidea (Crustacea: Decapoda: Anomura). <b>2021</b> , 4999, 301-324		0
582	Bioprospecting Antiproliferative Marine Microbiota From Submarine Volcano Tagoro. <b>2021</b> , 8,		0
581	Kinship networks of seed exchange shape spatial patterns of plant virus diversity. <b>2021</b> , 12, 4505		1
580	Molecular Detection of <i>Trypanosoma kaiowa</i> in <i>Tabanus triangulum</i> (Diptera: Tabanidae) from the Coastal Plain of Rio Grande do Sul, Southern Brazil. <b>2021</b> , 1		1
579	Spatiotemporal dissemination pattern of SARS-CoV-2 B.1.1.28-derived lineages introduced into Uruguay across its southeastern border with Brazil.		1
578	Molecular surveillance of HIV-1 newly diagnosed infections in Shenzhen, China from 2011 to 2018. <b>2021</b> , 83, 76-83		7
577	Emergence and spread of a B.1.1.28-derived lineage with Q675H and Q677H Spike mutations in Uruguay.		
576	Genetic diversity of cervid in Honshu sika deer ( <i>Cervus mandchuricus</i> ) in Japan. <b>2021</b> , 1-12		1
575	Molecular and comparative genomic analyses reveal evolutionarily conserved and unique features of the <i>Schizosaccharomyces japonicus</i> mycelial growth and the underlying genomic changes. <b>2021</b> , 67, 953-968		1
574	The mycobacterial <i>guaB1</i> gene encodes a guanosine 5'-monophosphate reductase with a cystathione- $\beta$ -synthase domain.		

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570	The Changes in the p53 Protein across the Animal Kingdom Point to Its Involvement in Longevity. <b>2021</b> , 22,	0
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563	Genomic evidence for inter-class host transition between abundant streamlined heterotrophs by a novel and ubiquitous marine Methylophage.	1
562	Gene expression phylogenies and ancestral transcriptome reconstruction resolves major transitions in the origins of pregnancy.	0
561	Genome assembly of the tayra ( <i>Eira barbara</i> , Mustelidae) and comparative genomic analysis reveal adaptive genetic variation in the subfamily Guloninae.	
560	Tracing the fate of wastewater viruses reveals catchment-scale virome diversity and connectivity. <b>2021</b> , 203, 117568	3
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516	Phylogenetic signal is associated with the degree of variation in root-to-tip distances.	1
515	Recent bloom of filamentous algae in Lake Baikal is caused by <i>Spirogyra</i> Link., 1820 of local origin.	1
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513	Efficient Dilution-to-Extinction isolation of novel virus-host model systems for fastidious heterotrophic bacteria.	0
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506	A new species in the <i>Anopheles gambiae</i> complex reveals new evolutionary relationships between vector and non-vector species.	2
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