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Fast, scalable generation of high-quality protein multiple sequence alignments using Clustal Omega

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1960	New insights into the evolution of Entomopoxvirinae from the complete genome sequences of four entomopoxviruses infecting <i>Adoxophyes honmai</i> , <i>Choristoneura biennis</i> , <i>Choristoneura rosaceana</i> , and <i>Mythimna separata</i> . <b>2013</b> , 87, 7992-8003	32
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1929	Alternative splicing and highly variable cadherin transcripts associated with field-evolved resistance of pink bollworm to bt cotton in India. <b>2014</b> , 9, e97900	102
1928	The HIVToolbox 2 web system integrates sequence, structure, function and mutation analysis. <b>2014</b> , 9, e98810	4

1927	Single-step selection of bivalent aptamers validated by comparison with SELEX using high-throughput sequencing. <b>2014</b> , 9, e100572	22
1926	Host competence and helicase activity differences exhibited by West Nile viral variants expressing NS3-249 amino acid polymorphisms. <b>2014</b> , 9, e100802	22
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1923	Phylogeny in defining model plants for lignocellulosic ethanol production: a comparative study of <i>Brachypodium distachyon</i> , wheat, maize, and <i>Miscanthus x giganteus</i> leaf and stem biomass. <b>2014</b> , 9, e103580	17
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1863	Origin and evolution of metal P-type ATPases in Plantae (Archaeplastida). <b>2013</b> , 4, 544		31
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1861	Genome of the avirulent human-infective trypanosome-- <i>Trypanosoma rangeli</i> . <b>2014</b> , 8, e3176		49
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1836	Modular evolution of DNA-binding preference of a Tbrain transcription factor provides a mechanism for modifying gene regulatory networks. <b>2014</b> , 31, 2672-88	26
1835	Functional studies of novel CYP21A2 mutations detected in Norwegian patients with congenital adrenal hyperplasia. <b>2014</b> , 3, 67-74	9
1834	Photosynthetic picoeukaryote assemblages in the South China Sea from the Pearl River estuary to the SEATS station. <b>2014</b> , 71, 271-284	29
1833	Simple chained guide trees give high-quality protein multiple sequence alignments. <b>2014</b> , 111, 10556-61	28
1832	FlgN is required for flagellum-based motility by <i>Bacillus subtilis</i> . <b>2014</b> , 196, 2216-26	12
1831	Fast dendrogram-based OTU clustering using sequence embedding. <b>2014</b> ,	3
1830	Trunk cleavage is essential for <i>Drosophila</i> terminal patterning and can occur independently of Torso-like. <b>2014</b> , 5, 3419	20
1829	Characterization and regulation of the resistance-nodulation-cell division-type multidrug efflux pumps MdtABC and MdtUVW from the fire blight pathogen <i>Erwinia amylovora</i> . <b>2014</b> , 14, 185	29
1828	In vivo mRNA profiling of uropathogenic <i>Escherichia coli</i> from diverse phylogroups reveals common and group-specific gene expression profiles. <b>2014</b> , 5, e01075-14	43
1827	Essentiality of succinate dehydrogenase in <i>Mycobacterium smegmatis</i> and its role in the generation of the membrane potential under hypoxia. <b>2014</b> , 5,	46
1826	Global survey of canonical <i>Aspergillus flavus</i> G protein-coupled receptors. <b>2014</b> , 5, e01501-14	48
1825	Fast alignment-free sequence comparison using spaced-word frequencies. <b>2014</b> , 30, 1991-9	92
1824	Kmacs: the k-mismatch average common substring approach to alignment-free sequence comparison. <b>2014</b> , 30, 2000-8	74
1823	Small RNA profiling of <i>Xenopus</i> embryos reveals novel miRNAs and a new class of small RNAs derived from intronic transposable elements. <b>2014</b> , 24, 96-106	16
1822	The phytotoxic activity of the cerato-platanin BcSpl1 resides in a two-peptide motif on the protein surface. <b>2014</b> , 15, 342-51	43
1821	Insights on prediction of patients' response to anti-HIV therapies through machine learning. <b>2014</b> ,	1
1820	Structural and biochemical analysis of the <i>Hordeum vulgare</i> L. HvGR-RBP1 protein, a glycine-rich RNA-binding protein involved in the regulation of barley plant development and stress response. <b>2014</b> , 53, 7945-60	8

1819	Splicing variants of NOL4 differentially regulate the transcription activity of Mlr1 and Mlr2 in cultured cells. <b>2014</b> , 31, 735-40	3
1818	Exploring <i>Picea glauca</i> aquaporins in the context of needle water uptake and xylem refilling. <b>2014</b> , 203, 388-400	80
1817	Microbial surfactant mediated degradation of anthracene in aqueous phase by marine MTCC 5514. <b>2014</b> , 4, 161-170	43
1816	Distinguishing closely related amyloid precursors using an RNA aptamer. <b>2014</b> , 289, 26859-26871	7
1815	Comparison of histidine recognition in human and trypanosomatid histidyl-tRNA synthetases. <b>2014</b> , 106, 111-20	4
1814	The RNase R from <i>Campylobacter jejuni</i> has unique features and is involved in the first steps of infection. <b>2014</b> , 289, 27814-24	16
1813	A comprehensive analysis of the geranylgeranylgeranyl glycerol phosphate synthase enzyme family identifies novel members and reveals mechanisms of substrate specificity and quaternary structure organization. <b>2014</b> , 92, 885-99	19
1812	Phosphodiesterase from <i>Vipera lebetina</i> venom - structure and characterization. <b>2014</b> , 106, 48-55	15
1811	De novo KCNB1 mutations in epileptic encephalopathy. <b>2014</b> , 76, 529-540	90
1810	Ultra-high resolution crystal structure of recombinant caprine lactoglobulin. <b>2014</b> , 588, 3816-22	12
1809	Crystal structure of the yeast TRAPP-associated protein Tca17. <b>2014</b> , 281, 4195-206	7
1808	Insights into the bioactivity of mensacarcin and epoxide formation by MsnO8. <b>2014</b> , 15, 749-56	12
1807	αAmylase1 and βAmylase3 are plastidic starch hydrolases in <i>Arabidopsis</i> That Seem to Be Adapted for Different Thermal, pH, and stress conditions. <b>2014</b> , 166, 1748-63	60
1806	Identification of phosphatidylcholine transfer protein-like in the parasite <i>Entamoeba histolytica</i> . <b>2014</b> , 107 Pt B, 223-34	4
1805	CSI 2.0: a significantly improved version of the Chemical Shift Index. <b>2014</b> , 60, 131-46	40
1804	A dual role of the transcriptional regulator TstR provides insights into cyanide detoxification in <i>Lactobacillus brevis</i> . <b>2014</b> , 92, 853-71	3
1803	Analysis of the complement sensitivity of oral treponemes and the potential influence of FH binding, FH cleavage and dentilisin activity on the pathogenesis of periodontal disease. <b>2014</b> , 29, 194-207	14
1802	Substrate delivery by the AAA+ ClpX and ClpC1 unfoldases activates the mycobacterial ClpP1P2 peptidase. <b>2014</b> , 93, 617-28	43

1801	Deciphering intrafamilial phenotypic variability by exome sequencing in a Bardet-Biedl family. <b>2014</b> , 2, 124-33	10
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1799	Identification of the WNT1 residues required for palmitoylation by Porcupine. <b>2014</b> , 588, 4815-24	26
1798	Crystal structure of toxin HP0892 from <i>Helicobacter pylori</i> with two Zn(II) at 1.8 Å resolution. <b>2014</b> , 23, 819-32	2
1797	Frequent EPAS1/HIF2β exons 9 and 12 mutations in non-familial pheochromocytoma. <b>2014</b> , 21, 495-504	50
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1795	Programmable DNA-binding proteins from Burkholderia provide a fresh perspective on the TALE-like repeat domain. <b>2014</b> , 42, 7436-49	41
1794	Pathways and substrate-specific regulation of amino acid degradation in <i>Phaeobacter inhibens</i> DSM 17395 (archetype of the marine <i>Roseobacter</i> clade). <b>2014</b> , 16, 218-38	24
1793	A nonclassical IFITM5 mutation located in the coding region causes severe osteogenesis imperfecta with prenatal onset. <b>2014</b> , 29, 1387-91	21
1792	Structures of pyruvate kinases display evolutionarily divergent allosteric strategies. <b>2014</b> , 1, 140120	17
1791	piRNA pathway gene expression in the malaria vector mosquito <i>Anopheles stephensi</i> . <b>2014</b> , 23, 579-86	16
1790	The essential roles of cytidine diphosphate-diacylglycerol synthase in bloodstream form <i>Trypanosoma brucei</i> . <b>2014</b> , 92, 453-70	17
1789	Synaptonemal complex extension from clustered telomeres mediates full-length chromosome pairing in <i>Schmidtea mediterranea</i> . <b>2014</b> , 111, E5159-68	21
1788	Characterization of a novel brain barrier ex vivo insect-based P-glycoprotein screening model. <b>2014</b> , 2, e00050	8
1787	Clustal omega. <b>2014</b> , 48, 3.13.1-16	267
1786	Development of monoclonal antibodies to interrogate functional domains and isoforms of FREM1 protein. <b>2014</b> , 33, 129-40	7
1785	Sorting signal targeting mRNA into hepatic extracellular vesicles. <b>2014</b> , 11, 836-44	23
1784	Classify a Protein Domain Using SVM Sigmoid Kernel. <b>2014</b> , 143-151	

1783	Evolutionary reconstruction of pattern formation in 98 Dictyostelium species reveals that cell-type specialization by lateral inhibition is a derived trait. <b>2014</b> , 5, 34	23
1782	ANIA: ANnotation and Integrated Analysis of the 14-3-3 interactome. <b>2014</b> , 2014, bat085	42
1781	Interaction-based discovery of functionally important genes in cancers. <b>2014</b> , 42, e18	21
1780	Data set for the proteomic inventory and quantitative analysis of chicken uterine fluid during eggshell biomineralization. <b>2014</b> , 1, 65-9	8
1779	Caenorhabditis elegans SWI/SNF subunits control sequential developmental stages in the somatic gonad. <b>2014</b> , 4, 471-83	10
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1777	RecD2 helicase limits replication fork stress in Bacillus subtilis. <b>2014</b> , 196, 1359-68	20
1776	Expression, purification, and characterization of recombinant mangrove glutamine synthetase. <b>2014</b> , 41, 7575-83	4
1775	Widespread variation in NSP1, a gene involved in rhizobium nodulation, across species of Acmispon (Fabaceae) from diverse habitats. <b>2014</b> , 92, 571-578	1
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1773	Alkane hydroxylase genes in psychrophile genomes and the potential for cold active catalysis. <b>2014</b> , 15, 1120	18
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1769	Small RNAs from plants, bacteria and fungi within the order Hypocreales are ubiquitous in human plasma. <b>2014</b> , 15, 933	55
1768	Increasing gene discovery and coverage using RNA-seq of globin RNA reduced porcine blood samples. <b>2014</b> , 15, 954	30
1767	Comparative genomics for mycobacterial peptidoglycan remodelling enzymes reveals extensive genetic multiplicity. <b>2014</b> , 14, 75	38
1766	Application of discrete Fourier inter-coefficient difference for assessing genetic sequence similarity. <b>2014</b> , 2014, 8	5

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1763	Phylogenetic reconstruction of O CATHAY topotype foot-and-mouth disease virus epidemics in the Philippines. <b>2014</b> , 45, 90	15
1762	Bovine herpesvirus glycoprotein D: a review of its structural characteristics and applications in vaccinology. <b>2014</b> , 45, 111	17
1761	Charge requirements of lipid II flippase activity in <i>Escherichia coli</i> . <b>2014</b> , 196, 4111-9	24
1760	The conserved PFT1 tandem repeat is crucial for proper flowering in <i>Arabidopsis thaliana</i> . <b>2014</b> , 198, 747-54	13
1759	Evolutionary origin of bone morphogenetic protein 15 and growth and differentiation factor 9 and differential selective pressure between mono- and polyovulating species. <b>2014</b> , 91, 83	18
1758	The compromised recognition of turnip crinkle virus1 subfamily of microorchidia ATPases regulates disease resistance in barley to biotrophic and necrotrophic pathogens. <b>2014</b> , 164, 866-78	14
1757	Identification of a face enhancer reveals direct regulation of LIM homeobox 8 (Lhx8) by wingless-int (WNT)/ $\beta$ -catenin signaling. <b>2014</b> , 289, 30289-30301	12
1756	Diversity and variability of NOD-like receptors in fungi. <b>2014</b> , 6, 3137-58	53
1755	Adenylate cyclase 1 (ADCY1) mutations cause recessive hearing impairment in humans and defects in hair cell function and hearing in zebrafish. <b>2014</b> , 23, 3289-98	36
1754	Deciphering key features in protein structures with the new ENDscript server. <b>2014</b> , 42, W320-4	3299
1753	Bacterial noncoding Y RNAs are widespread and mimic tRNAs. <b>2014</b> , 20, 1715-24	34
1752	MgtE is a dual-function protein in <i>Pseudomonas aeruginosa</i> . <b>2014</b> , 160, 1200-1213	8
1751	Crystallization and preliminary X-ray crystallographic analysis of $\beta$ -glucosidase HaG from <i>Halomonas</i> sp. strain H11. <b>2014</b> , 70, 464-6	3
1750	Interactions between <i>Trichinella spiralis</i> infection and induced colitis in mice. <b>2014</b> , 88, 210-8	13
1749	Structure, interactions and evolutionary implications of a domain-swapped lectin dimer from <i>Mycobacterium smegmatis</i> . <b>2014</b> , 24, 956-65	8
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1747	Evolutionary history of the <i>Clostridium difficile</i> pathogenicity locus. <b>2014</b> , 6, 36-52	123
1746	Gamma-secretase subunits associate in intracellular membrane compartments in <i>Arabidopsis thaliana</i> . <b>2014</b> , 65, 3015-27	18
1745	Variable processing of the IgA protease autotransporter at the cell surface of <i>Neisseria meningitidis</i> . <b>2014</b> , 160, 2421-2431	19
1744	Global phylogenomic analysis of nonencapsulated <i>Streptococcus pneumoniae</i> reveals a deep-branching classic lineage that is distinct from multiple sporadic lineages. <b>2014</b> , 6, 3281-94	38
1743	A pluralistic account of homology: adapting the models to the data. <b>2014</b> , 31, 501-16	32
1742	Soybean knowledge base (SoyKB): a web resource for integration of soybean translational genomics and molecular breeding. <b>2014</b> , 42, D1245-52	65
1741	The structure of rice weevil pectin methylesterase. <b>2014</b> , 70, 1480-4	11
1740	Crystal structures of IspF from <i>Plasmodium falciparum</i> and <i>Burkholderia cenocepacia</i> : comparisons inform antimicrobial drug target assessment. <b>2014</b> , 14, 1	24
1739	Beta carbonic anhydrases: novel targets for pesticides and anti-parasitic agents in agriculture and livestock husbandry. <b>2014</b> , 7, 403	18
1738	Prevalence and phylogenetic analysis of tick-borne encephalitis virus (TBEV) in field-collected ticks ( <i>Ixodes ricinus</i> ) in southern Switzerland. <b>2014</b> , 7, 443	21
1737	Evolution of the B-Block Binding Subunit of TFIIC That Binds to the Internal Promoter for RNA Polymerase III. <b>2014</b> , 2014, 609865	2
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1734	eggNOG v4.0: nested orthology inference across 3686 organisms. <b>2014</b> , 42, D231-9	387
1733	A role for [Fe4S4] clusters in tRNA recognition--a theoretical study. <b>2014</b> , 42, 5426-35	6
1732	AlignMe--a membrane protein sequence alignment web server. <b>2014</b> , 42, W246-51	58
1731	RAMICS: trainable, high-speed and biologically relevant alignment of high-throughput sequencing reads to coding DNA. <b>2014</b> , 42, e106	6
1730	The molecular evolution of the Qo motif. <b>2014</b> , 6, 1894-910	27

1729	Imaging Enterobacteriaceae infection in vivo with <sup>18</sup> F-fluorodeoxyisotomography. <b>2014</b> , 6, 259ra146	132
1728	DrsG from <i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> inhibits the antimicrobial peptide LL-37. <b>2014</b> , 82, 2337-44	9
1727	AraC/XylS family stress response regulators Rob, SoxS, PliA, and OpiA in the fire blight pathogen <i>Erwinia amylovora</i> . <b>2014</b> , 196, 3098-110	9
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1725	The structure of the cyanobactin domain of unknown function from PatG in the patellamide gene cluster. <b>2014</b> , 70, 1597-603	13
1724	Clinically significant missense variants in human GALNT3, GALNT8, GALNT12, and GALNT13 genes: intriguing in silico findings. <b>2014</b> , 115, 313-27	13
1723	Novel SCN3A variants associated with focal epilepsy in children. <b>2014</b> , 62, 313-22	61
1722	Adaptation of <i>Stenotrophomonas maltophilia</i> in cystic fibrosis: molecular diversity, mutation frequency and antibiotic resistance. <b>2014</b> , 304, 613-9	21
1721	Fitting CRISPR-associated Cas3 into the helicase family tree. <b>2014</b> , 24, 106-14	45
1720	Proteins feel more than they see: fine-tuning of binding affinity by properties of the non-interacting surface. <b>2014</b> , 426, 2632-52	69
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1713	Identification and expression profile analysis of the protein kinase gene superfamily in maize development. <b>2014</b> , 33, 155-172	29
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1708	Effects of water-saving irrigation on emissions of greenhouse gases and prokaryotic communities in rice paddy soil. <b>2014</b> , 68, 271-83	30
1707	Genotypic characterization of Chilean llama ( <i>Lama glama</i> ) and alpaca ( <i>Vicugna pacos</i> ) pestivirus isolates. <b>2014</b> , 168, 312-7	3
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1705	Computational approaches and resources in single amino acid substitutions analysis toward clinical research. <b>2014</b> , 94, 365-423	19
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1703	Amplicon pyrosequencing reveals spatial and temporal consistency in diazotroph assemblages of the <i>Acropora millepora</i> microbiome. <b>2014</b> , 16, 3345-59	71
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1698	Molecular and functional characterization of an invertase secreted by <i>Ashbya gossypii</i> . <b>2014</b> , 56, 524-34	15
1697	Development and evaluation of STS diagnostic marker to track turmeric ( <i>Curcuma longa</i> L.) resistance against rhizome rot caused by <i>Pythium aphanidermatum</i> . <b>2014</b> , 43, 167-175	6
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1693	Deciphering RNA regulatory elements in trypanosomatids: one piece at a time or genome-wide?. <b>2014</b> , 30, 234-40	7
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1685	Signal amplification and transduction in phytochrome photosensors. <b>2014</b> , 509, 245-248	237
1684	Multigene families of immunoglobulin domain-containing innate immune receptors in zebrafish: deciphering the differences. <b>2014</b> , 46, 24-34	15
1683	Atmospheric N deposition increases bacterial laccase-like multicopper oxidases: implications for organic matter decay. <b>2014</b> , 80, 4460-8	37
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1678	CMT-associated mutations in glycyl- and tyrosyl-tRNA synthetases exhibit similar pattern of toxicity and share common genetic modifiers in Drosophila. <b>2014</b> , 68, 180-9	25
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1673	Dinoflagellate phylogeny revisited: using ribosomal proteins to resolve deep branching dinoflagellate clades. <b>2014</b> , 70, 314-22	62
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1671	Prevalence of autotransporters in Escherichia coli: what is the impact of phylogeny and pathotype?. <b>2014</b> , 304, 243-56	13
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1667	An assessment of the DNA barcodes of Indian freshwater fishes. <b>2014</b> , 537, 20-8	33
1666	Functional diversification of duplicated chalcone synthase genes in anthocyanin biosynthesis of Gerbera hybrida. <b>2014</b> , 201, 1469-1483	62
1665	The nitrate-sensing NasST system regulates nitrous oxide reductase and periplasmic nitrate reductase in Bradyrhizobium japonicum. <b>2014</b> , 16, 3263-74	13
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1653	X-ray structure of a calcium-activated TMEM16 lipid scramblase. <b>2014</b> , 516, 207-12	302
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1645	High throughput screen identifies small molecule inhibitors specific for <i>Mycobacterium tuberculosis</i> phosphoserine phosphatase. <b>2014</b> , 289, 25149-65	19
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1642	Cell cycle-dependent adaptor complex for ClpXP-mediated proteolysis directly integrates phosphorylation and second messenger signals. <b>2014</b> , 111, 14229-34	42
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1633	Mechanism of oxidative inactivation of human prosequence protease by hydrogen peroxide. <b>2014</b> , 77, 57-63	7
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1627	Identification of cardiac myofilament protein isoforms using multiple mass spectrometry based approaches. <b>2014</b> , 8, 578-589	8
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1624	Host and viral determinants of Mx2 antiretroviral activity. <b>2014</b> , 88, 7738-52	107
1623	Widespread contribution of transposable elements to the innovation of gene regulatory networks. <b>2014</b> , 24, 1963-76	251
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1620	A protocol for species delineation of public DNA databases, applied to the Insecta. <b>2014</b> , 63, 712-25	6
1619	Crystal structure of PhnF, a GntR-family transcriptional regulator of phosphate transport in <i>Mycobacterium smegmatis</i> . <b>2014</b> , 196, 3472-81	12
1618	Lysine 63-linked TANK-binding kinase 1 ubiquitination by mindbomb E3 ubiquitin protein ligase 2 is mediated by the mitochondrial antiviral signaling protein. <b>2014</b> , 88, 12765-76	32
1617	Characterization and functional classification of American lobster ( <i>Homarus americanus</i> ) immune factor transcripts. <b>2014</b> , 41, 12-26	6
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1615	A highly abundant bacteriophage discovered in the unknown sequences of human faecal metagenomes. <b>2014</b> , 5, 4498	420
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1609	Competence for genetic transformation in <i>Streptococcus pneumoniae</i> : mutations in <i>A</i> bypass the comW requirement. <b>2014</b> , 196, 3724-34	18
1608	Structural and kinetic characterization of guinea pig L-asparaginase type III. <b>2014</b> , 53, 2318-28	16
1607	Structure of malaria invasion protein RH5 with erythrocyte basigin and blocking antibodies. <b>2014</b> , 515, 427-30	135
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1605	SLC6 family transporter SNF-10 is required for protease-mediated activation of sperm motility in <i>C. elegans</i> . <b>2014</b> , 393, 171-82	11
1604	Bioinformatics analysis of plant orthologous introns: identification of an intronic tRNA-like sequence. <b>2014</b> , 548, 81-90	3

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1597	OSCA1 mediates osmotic-stress-evoked Ca <sup>2+</sup> increases vital for osmosensing in <i>Arabidopsis</i> . <b>2014</b> , 514, 367-71	369
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1590	SnipViz: a compact and lightweight web site widget for display and dissemination of multiple versions of gene and protein sequences. <b>2014</b> , 7, 468	7
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1587	Suggestion of suitable animal models for in vivo studies of protein tyrosine phosphatase 1b (PTP1B) inhibitors using computational approaches. <b>2014</b> , 3, 380	
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1581	A comparison of genes involved in sphingian biosynthesis brought up to date. <b>2014</b> , 98, 7719-33	37
1580	The BdGAMYB protein from <i>Brachypodium distachyon</i> interacts with BdDOF24 and regulates transcription of the BdCathB gene upon seed germination. <b>2014</b> , 240, 539-52	8
1579	The quest for a thermostable sucrose phosphorylase reveals sucrose 6'-phosphate phosphorylase as a novel specificity. <b>2014</b> , 98, 7027-37	26
1578	Characterization of <i>Thermotoga maritima</i> glycerol dehydrogenase for the enzymatic production of dihydroxyacetone. <b>2014</b> , 98, 7039-50	6
1577	Developmental variations among Panagrolaimid nematodes indicate developmental system drift within a small taxonomic unit. <b>2014</b> , 224, 183-8	6
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1575	Cassava Ivorian bacilliform virus is a member of the genus Anulavirus. <b>2014</b> , 159, 2791-3	5
1574	Characterization of acetoin production in a budC gene disrupted mutant of <i>Serratia marcescens</i> G12. <b>2014</b> , 41, 1267-74	14
1573	Molecular modeling of the <i>Plasmodium falciparum</i> pre-mRNA splicing and nuclear export factor PFU52. <b>2014</b> , 33, 354-68	3
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1571	Comparison of next-generation sequencing samples using compression-based distances and its application to phylogenetic reconstruction. <b>2014</b> , 7, 320	7
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1568	In vitro import and assembly of the nucleus-encoded mitochondrial subunit III of cytochrome c oxidase (Cox3). <b>2014</b> , 19 Pt B, 314-22	

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1566	The photophysics of LOV-based fluorescent proteins--new tools for cell biology. <b>2014</b> , 13, 875-83	77
1565	Characterization of a homolog of DEAD-box RNA helicases in <i>Toxoplasma gondii</i> as a marker of cytoplasmic mRNP stress granules. <b>2014</b> , 543, 34-44	10
1564	Complement activation by ceramide transporter proteins. <b>2014</b> , 192, 1154-61	14
1563	The impact of genomic variability on gene expression in environmental <i>Saccharomyces cerevisiae</i> strains. <b>2014</b> , 16, 1378-97	44
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1561	ORF005L from infectious spleen and kidney necrosis virus is located in the inner mitochondrial membrane and induces apoptosis. <b>2014</b> , 49, 269-77	5
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1558	Identification of GPM6A and GPM6B as potential new human lymphoid leukemia-associated oncogenes. <b>2014</b> , 37, 179-91	12
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1555	The <i>Xenopus</i> alcohol dehydrogenase gene family: characterization and comparative analysis incorporating amphibian and reptilian genomes. <b>2014</b> , 15, 216	5
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1551	Structure of the LCMV nucleoprotein provides a template for understanding arenavirus replication and immunosuppression. <b>2014</b> , 70, 1764-9	10
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1547	Abundant and diverse clustered regularly interspaced short palindromic repeat spacers in <i>Clostridium difficile</i> strains and prophages target multiple phage types within this pathogen. <b>2014</b> , 5, e01045-13	52
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1545	Structural basis for the assembly of the Sxl-Unr translation regulatory complex. <b>2014</b> , 515, 287-90	81
1544	Molecular identification of novel intermediate host species of <i>Angiostrongylus vasorum</i> in Greater London. <b>2014</b> , 113, 4363-9	25
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1539	Mercury metallation of the copper protein azurin and structural insight into possible heavy metal reactivity. <b>2014</b> , 141, 152-160	2
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1536	Nav1.1 modulation by a novel triazole compound attenuates epileptic seizures in rodents. <b>2014</b> , 9, 1204-12	33
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1534	Molecular cloning and expression analysis of zinc finger-homeodomain transcription factor TaZFHD1 in wheat. <b>2014</b> , 91, 32-36	9
1533	Dual-histidine kinases in basidiomycete fungi. <b>2014</b> , 337, 111-6	7
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1530	Expression, purification and structural properties of ABC transporter ABCA4 and its individual domains. <b>2014</b> , 97, 50-60	13
1529	A comparative genomic analysis of the alkali-tolerant soil bacterium <i>Bacillus lehensis</i> G1. <b>2014</b> , 545, 253-61	9
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1527	Identification of pili on the surface of <i>Finnegoldia magna</i> --a gram-positive anaerobic cocci. <b>2014</b> , 27, 40-9	10
1526	The hinge region of type VII collagen is intrinsically disordered. <b>2014</b> , 36, 77-83	9
1525	Complex structural and regulatory evolution of the pro-opiomelanocortin gene family. <b>2014</b> , 195, 107-15	31
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1523	Perspectives on the evolution, assembly and conformational dynamics of fatty acid synthase type I (FAS I) systems. <b>2014</b> , 25, 49-56	41
1522	Molecular characterization of NBS encoding resistance genes and induction analysis of a putative candidate gene linked to <i>Fusarium</i> basal rot resistance in <i>Allium sativum</i> . <b>2014</b> , 85, 15-24	15
1521	The maxillary palp of <i>Aedes aegypti</i> , a model of multisensory integration. <b>2014</b> , 48, 29-39	42
1520	Little things make big things happen: A summary of micropeptide encoding genes. <b>2014</b> , 3, 128-137	20
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1518	Identification and Characterization of Noncovalent Interactions That Drive Binding and Specificity in DD-Peptidases and $\beta$ -Lactamases. <b>2014</b> , 10, 855-864	14
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1513	In silico study of potential autoimmune threats from rotavirus infection. <b>2014</b> , 51, 51-6	4
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1508	ITS2, 18S, 16S or any other RNA - simply aligning sequences and their individual secondary structures simultaneously by an automatic approach. <b>2014</b> , 546, 145-9	53
1507	Gene duplication followed by exon structure divergence substitutes for alternative splicing in zebrafish. <b>2014</b> , 546, 271-6	6
1506	Thyroid hormone and retinoid X receptor function and expression during sea lamprey ( <i>Petromyzon marinus</i> ) metamorphosis. <b>2014</b> , 204, 211-22	13
1505	Interaction of circadian clock proteins CRY1 and PER2 is modulated by zinc binding and disulfide bond formation. <b>2014</b> , 157, 1203-15	124
1504	Ligand heterogeneity of the cysteine protease binding protein family in the parasitic protist <i>Entamoeba histolytica</i> . <b>2014</b> , 44, 625-35	16
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1502	Novel hydrocarbon monooxygenase genes in the metatranscriptome of a natural deep-sea hydrocarbon plume. <b>2014</b> , 16, 60-71	49
1501	Bacterial serine proteases secreted by the autotransporter pathway: classification, specificity, and role in virulence. <b>2014</b> , 71, 745-70	95
1500	Polymicrogyria with dysmorphic basal ganglia? Think tubulin!. <b>2014</b> , 85, 178-83	23
1499	Four <i>Escherichia coli</i> O157:H7 phages: a new bacteriophage genus and taxonomic classification of T1-like phages. <b>2014</b> , 9, e100426	38
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1496	Evaluating the accuracy and efficiency of multiple sequence alignment methods. <b>2014</b> , 10, 205-17	27

1495	Cryo-EM structure of the Plasmodium falciparum 80S ribosome bound to the anti-protozoan drug emetine. <b>2014</b> , 3,	208
1494	Combining spatial and chemical information for clustering pharmacophores. <b>2014</b> , 15 Suppl 16, S5	5
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1482	Characterization of uronate dehydrogenases catalysing the initial step in an oxidative pathway. <b>2015</b> , 8, 633-43	17
1481	Digestive organ in the female reproductive tract borrows genes from multiple organ systems to adopt critical functions. <b>2015</b> , 32, 1567-80	20
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1435	Proteomic analysis of quail calcified eggshell matrix: a comparison to chicken and turkey eggshell proteomes. <b>2015</b> , 13, 22	20
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1409	Growth-Phase-Specific Modulation of Cell Morphology and Gene Expression by an Archaeal Histone Protein. <b>2015</b> , 6, e00649-15	15
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1303	Evolution of Cis-Regulatory Elements and Regulatory Networks in Duplicated Genes of <i>Arabidopsis</i> . <b>2015</b> , 169, 2982-91	36
1302	Three <i>Pseudomonas putida</i> FNR Family Proteins with Different Sensitivities to O <sub>2</sub> . <b>2015</b> , 290, 16812-23	17
1301	A Bayesian approach for structure learning in oscillating regulatory networks. <b>2015</b> , 31, 3617-24	7
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1299	Lhx6 and Lhx8 promote palate development through negative regulation of a cell cycle inhibitor gene, p57Kip2. <b>2015</b> , 24, 5024-39	17
1298	Genome-wide annotation and characterization of CLAVATA/ESR (CLE) peptide hormones of soybean ( <i>Glycine max</i> ) and common bean ( <i>Phaseolus vulgaris</i> ), and their orthologues of <i>Arabidopsis thaliana</i> . <b>2015</b> , 66, 5271-87	31

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1296	Enzymatic attributes of an l-isoaspartyl methyltransferase from and its role in cell survival. <b>2015</b> , 4, 59-75	1
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1294	Signal transduction in light-oxygen-voltage receptors lacking the adduct-forming cysteine residue. <b>2015</b> , 6, 10079	61
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1275	Rational design of hyper-glycosylated interferon beta analogs: a computational strategy for glycoengineering. <b>2015</b> , 56, 31-42	14
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1272	Use of mCherry Red fluorescent protein for studies of protein localization and gene expression in <i>Clostridium difficile</i> . <b>2015</b> , 81, 1652-60	63
1271	<i>Fusarium</i> diversity in soil using a specific molecular approach and a cultural approach. <b>2015</b> , 111, 64-71	36
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1265	Life without post-transcriptional addition of G-1: two alternatives for tRNA <sup>His</sup> identity in Eukarya. <b>2015</b> , 21, 243-53	13
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1250	Coordinated regulatory variation associated with gestational hyperglycaemia regulates expression of the novel hexokinase HKDC1. <b>2015</b> , 6, 6069	62
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1246	Translation initiation factor 3 families: what are their roles in regulating cyanobacterial and chloroplast gene expression?. <b>2015</b> , 126, 147-59	8
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1221	<i>Symbiodinium thermophilum</i> sp. nov., a thermotolerant symbiotic alga prevalent in corals of the world's hottest sea, the Persian/Arabian Gulf. <b>2015</b> , 5, 8562	172
1220	Suppression of early hematogenous dissemination of human breast cancer cells to bone marrow by retinoic Acid-induced 2. <b>2015</b> , 5, 506-19	27
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1218	Prediction of the potency of mammalian cyclooxygenase inhibitors with ensemble proteochemometric modeling. <b>2015</b> , 7, 1	70
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1204	Roles of active site residues in LodA, a cysteine tryptophylquinone dependent lysine oxidase. <b>2015</b> , 579, 26-32	14
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1196	Molecular genetic study of congenital adrenal hyperplasia in Serbia: novel p.Leu129Pro and p.Ser165Pro CYP21A2 gene mutations. <b>2015</b> , 38, 1199-210	13
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1151	The EBI Search engine: providing search and retrieval functionality for biological data from EMBL-EBI. <b>2015</b> , 43, W585-8	27
1150	Multidimensional LCMS/MS analysis of liver proteins in rat, mouse and human microsomal and S9 fractions. <b>2015</b> , 6, 16-27	8
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1140	Biosynthetic versatility and coordinated action of 5'-deoxyadenosyl radicals in deazaflavin biosynthesis. <b>2015</b> , 137, 5406-13	33
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1136	Recovering accuracy methods for scalable consistency library. <b>2015</b> , 71, 1833-1845	1

1135	Redescription of <i>Aphalloides coelomicola</i> Dollfus, Chabaud & Golvan, 1957 (Digenea, Opisthorchioidea) based on specimens from <i>Knipowitschia caucasica</i> (Berg) (Actinopterygii, Gobionellidae) from a Black Sea lagoon, with comments on the systematic position of the genus. <b>2015</b> , 91, 1-12	7
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4 <sup>14</sup>	Identification, binding, and structural characterization of single domain anti-PD-L1 antibodies inhibitory of immune regulatory proteins PD-1 and CD80. <b>2022</b> , 102769	0
4 <sup>13</sup>	Exposure of <i>Pseudomonas aeruginosa</i> to Cinnamaldehyde Selects Multidrug Resistant Mutants. <b>2022</b> , 11, 1790	1
4 <sup>12</sup>	SMRT-AgRenSeq-d in potato ( <i>Solanum tuberosum</i> ) identifies candidates for the nematode resistance Gpa5.	0
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4 <sup>09</sup>	Cryo-EM structures of mitochondrial respiratory complex I from <i>Drosophila melanogaster</i> . 12,	0
4 <sup>08</sup>	On the origin of mitochondria: a multilayer network approach. 11, e14571	0
4 <sup>07</sup>	Mechanistic insight into substrate specificity of plant glucosinolate transporters.	0
4 <sup>06</sup>	A Prolyl Endopeptidase from <i>Flammulina velutipes</i> Degrades Celiac Disease-Inducing Peptides in Grain Flour Samples. <b>2023</b> , 13, 158	0
4 <sup>05</sup>	Genomically mined acoustic reporter genes for real-time in vivo monitoring of tumors and tumor-homing bacteria.	0
4 <sup>04</sup>	Structural and evolutionary insights into astacin metallopeptidases. 9,	1
4 <sup>03</sup>	Insights into pyrrolysine function from structures of a trimethylamine methyltransferase and its corrinoid protein complex. <b>2023</b> , 6,	0
4 <sup>02</sup>	Temporally and spatially regulated collagen XVIII isoforms are involved in ureteric tree development via the TSP1-like domain. <b>2023</b> , 115, 139-159	0
4 <sup>01</sup>	Fast, accurate ranking of engineered proteins by receptor binding propensity using structural modeling.	1
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395	Molecular Dynamics Simulations for the Michaelis Complex of Ectoine Synthase (EctC). <b>2023</b> , 13, 124	0
394	The LIV-1 Subfamily of Zinc Transporters: From Origins to Present Day Discoveries. <b>2023</b> , 24, 1255	1
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392	Mechanism of ribosome-associated mRNA degradation during tubulin autoregulation.	0
391	Structural Basis of the Inhibition of L-Methionine Lyase from <i>Fusobacterium nucleatum</i> . <b>2023</b> , 24, 1651	0
390	Lipoprotein receptors in ovary of eel, <i>Anguilla australis</i> : molecular characterisation of putative vitellogenin receptors.	0
389	Prevalent and immunodominant CD8 T-cell epitopes are conserved in SARS-CoV-2 variants. <b>2023</b> , 111995	2
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387	Genotyping of <i>Orientia tsutsugamushi</i> circulating in and around Vellore (South India) using TSA 56 gene.	0
386	Prediction of antibody binding to SARS-CoV-2 RBDs.	0
385	Water stabilizes an alternate turn conformation in horse heart myoglobin.	0
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