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The RAST Server: rapid annotations using subsystems techno

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673	Sedimentimonas flavescens gen. nov., sp. nov., isolated from sediment of Clam Island, Liaoning Province.	
672	Complete Genome Sequence of Salmonella Phage vB_SenA_SM5, Active against Multidrug-Resistant Salmonella enterica Serovar Typhi Isolates.	1
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668	Characterization of Kordiimonas marina sp. nov. and Kordiimonas laminariae sp. nov. and Comparative Genomic Analysis of the Genus Kordiimonas, A Marine-Adapted Taxon. 9,	1
667	Pseudonocardia terrae sp. nov., an actinobacterium isolated from rice rhizosphere soil in Thailand. **2022**, 72,	0
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655	Duck sewage source coliphage P762 can lyse STEC and APEC.	0
654	Microbiome Restructuring: Dominant Coral Bacterium Endozoicomonas Species Respond Differentially to Environmental Changes.	1
653	Genome-scale metabolic modelling enables deciphering ethanol metabolism via the acrylate pathway in the propionate-producer Anaerotignum neopropionicum. **2022**, 21,	1
652	Turnover in Life-Strategies Recapitulates Marine Microbial Succession Colonizing Model Particles. 13,	0
651	Genomic Characterization of Escherichia coli O8 Strains Producing Shiga Toxin 2l Subtype. **2022**, 10, 1245	0
650	High diversity of pathogenic Escherichia coli clones carrying mcr-1 among gulls underlines the need for strategies at the environment-livestock-human interface.	0
649	Draft Genome Sequences of Flavobacterium covae Strains LSU-066-04 and LV-359-01.	
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647	Ribosomal RNA operons define a central functional compartment in the Streptomyces chromosome.	

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626	Comparative Genome Analysis of Two Heterotrophic Nitrifying Pseudomonas putida Strains Isolated from Freshwater Shrimp Ponds in Soc Trang Province. **2022**, 8, 336		
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595	Characterization of a Lytic Bacteriophage vB_SurP-PSU3 Infecting Staphylococcus ureilyticus and Its Efficacy Against Biofilm. 13,	
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482	A multi-layer genome mining and phylogenomic analysis to construct efficient and autonomous efflux system for medium chain fatty acids. **2022**, 2, 1-14	0
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478	Genome-Resolved Metagenomics Informs the Functional Ecology of Uncultured Acidobacteria in Redox Oscillated Sphagnum Peat.	0
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476	Nanobdella aerobiophila gen. nov., sp. nov., a thermoacidophilic, obligate ectosymbiotic archaeon, and proposal of Nanobdellaceae fam. nov., Nanobdellales ord. nov. and Nanobdellia class. nov.. **2022**, 72,	1
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473	Draft Genome Sequence of Pseudomonas mandelii Strain 29, Isolated from the Desert Truffle Terfezia claveryi.	0
472	Polymorphobacter megasporae sp. nov., isolated from an Antarctic lichen. **2022**, 72,	0
471	Persistence of Rare Salmonella Typhi Genotypes Susceptible to First-Line Antibiotics in the Remote Islands of Samoa.	1
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469	Genome Sequences of the Human-Skin-Originated Brevundimonas albigilva TT17 and the Soil-Originated B. albigilva KEME 9005-016 T.	0
468	Withdrawal of antibiotic growth promoters in China and its impact on the foodborne pathogen Campylobacter coli of swine origin. 13,	0
467	Functional genomics analysis of a phyllospheric Pseudomonas spp with potential for biological control against coffee rust. **2022**, 22,	0

466	Rhizobium quercicola sp. nov., isolated from the leaf of Quercus variablis in China. **2022**, 204,	0
465	Genome sequencing and comparative analysis of Wolbachia strain wAlbA reveals Wolbachia-associated plasmids are common. **2022**, 18, e1010406	0
464	Paracandidimonas lactea sp. nov., a urea-utilizing bacterium isolated from landfill. **2022**, 204,	1
463	Genomic characteristics of listeria that caused invasive listeriosis during the COVID-19 pandemic.	0
462	Genomic characterization of a novel bacteriophage STP55 revealed its prominent capacity in disrupting the dual-species biofilm formed by Salmonella Typhimurium and Escherichia coli O157: H7 strains. **2022**, 204,	1
461	Genome-Guided Investigation Provides New Insights into Secondary Metabolites of Streptomyces parvulus SX6 from Aegiceras corniculatum. **2022**, 71, 381-394	0
460	Bioinformatics study of expression from genomes of epidemiologically related MRSA CC398 isolates from human and wild animal samples. **2022**, 268, 104714	0
459	Curtobacterium allii sp. nov., the actinobacterial pathogen causing onion bulb rot.	0
458	Genome analysis and phenotypic characterization of Halomonas hibernica isolated from a traditional food process with novel quorum quenching and catalase activities. **2022**, 168,	0
457	Genome Sequences of 16 Escherichia coli Bacteriophages Isolated from Wastewater, Pond Water, Cow Manure, and Bird Feces.	2
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455	A Plasmid Carrying blaIMP-56 in Pseudomonas aeruginosa Belonging to a Novel Resistance Plasmid Family. **2022**, 10, 1863	1
454	In silico prediction of the enzymes involved in the degradation of the herbicide molinate by Gulosibacter molinativorax ON4T. **2022**, 12,	0
453	A stable home for an equine pathogen: valid publication of the binomial Prescottella equi gen. nov., comb. nov., and reclassification of four rhodococcal species into the genus Prescottella.. **2022**, 72,	0
452	Breaking the ICE: an easy workflow for identifying and analyzing integrative and conjugative elements in bacterial genomes.	2
451	Apilactobacillus apisilvae sp. nov., Nicolia spurrieriana gen. nov. sp. nov., Bombilactobacillus folatiphilus sp. nov. and Bombilactobacillus thymidiniphilus sp. nov., four new lactic acid bacterial isolates from stingless bees Tetragonula carbonaria and Austroplebeia australis. **2022**, 72,	2
450	Empirical genomic methods for tracking plasmid spread among healthcare-associated bacteria.	0
449	Characterization of Phage Resistance and Their Impacts on Bacterial Fitness in Pseudomonas aeruginosa.	1

448	Complete Genome Sequence of Bacillus amyloliquefaciens KNU-28 Isolated from Peach Leaves (Prunus Persica [L.] Batsch).	0
447	Isolation and genomic characterization of metal-resistant Stenotrophomonas maltophilia SRM01 from the marine environment.	0
446	Robiginitalea marina sp. nov., isolated from coastal sediment. **2022**, 204,	1
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443	Streptomyces: Derived Active Extract Inhibits Candida albicans Biofilm Formation. **2022**, 79,	0
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441	Draft Genome Sequence of Lentilactobacillus kosonis NBRC 111893, Isolated from a Japanese Sugar-Vegetable Fermented Beverage called K□so.	0
440	Characterization of TelE, an LXG effector of Streptococcus gallolyticus, antagonized by a non-canonical immunity protein.	0
439	Comparative genomics reveals the evolution of antimicrobial resistance in Bacteroides nordii. **2022**, 105811	0
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437	New Multidrug Efflux Systems in a Microcystin-Degrading Bacterium Blastomonas fulva and Its Genomic Feature. **2022**, 23, 10856	0
436	Description of Deefgea piscis sp. nov., and Deefgea tanakiae sp. nov., isolated from the gut of Korean indigenous fish.	0
435	Complete Genome Sequence of a Multidrug-Resistant Klebsiella pneumoniae Strain Carrying blaOXA181 and blaKPC-125 Carbapenemase. **2022**, 28, 916-920	0
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433	Genome Insight and Description of Previously Uncultured N2-Fixing Bacterium Rhizobium terricola sp. nov., Isolated from Forest Rhizospheric Soil by Using Modified Culture Method. **2022**, 14, 733	1
432	Enterococcal linear plasmids adapt to Enterococcus faecium and spread within multidrug-resistant clades.	0
431	Geoalkalibacter halelectricus SAP -1 sp. nov. possessing extracellular electron transfer and mineral-reducing capabilities from a haloalkaline environment.	0

430	Genomic description and prevalence of two new Candidatus Saccharibacteria species from the human gut in different samples and countries.	0
429	Monitoring phage-induced lysis of Gram-negatives in real time using a fluorescent DNA dye.	0
428	Vibrio tarriae sp. nov., a novel member of the Cholerae clade. **2022**, 72,	2
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426	Converting the genomic knowledge base to build protein specific machine learning prediction models; a classification study on thermophilic serine protease.	0
425	An Update of Bovine Hemoplasmas Based on Phylogenetic and Genomics Analysis. **2022**, 10, 1916	0
424	Sequestration of gut pathobionts in intraluminal casts, a mechanism to avoid dysregulated T cell activation by pathobionts. **2022**, 119,	1
423	Draft Genome Sequence of Two Salmonella enterica Subspecies enterica Serovar Minnesota Strains Harboring Mcr- 1.1 Gene Isolated from Chicken Meat in Saudi Arabia.	0
422	Genome Sequence of Halomonas sp. Strain MS1, a Metallophore-Producing, Algal Growth-Promoting Marine Bacterium Isolated from the Green Seaweed Ulva mutabilis (Chlorophyta).	0
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416	Insights on Microbial Communities Inhabiting Non-Volcanic Hot Springs. **2022**, 23, 12241	1
415	Description of Halosolutus amylolyticus gen. nov., sp. nov., Halosolutus halophilus sp. nov. and Halosolutus gelatinilyticus sp. nov., and genome-based taxonomy of genera Natribaculum and Halovarius. **2022**, 72,	0
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412	Comparative genomic and functional analysis of Arthrobacter sp. UMCV2 reveals the presence of luxR-related genes inducible by the biocompound N, N-dimethylhexadecilamine. 13,	2
411	A Clinical Outcome of the Anti-PD-1 Therapy of Melanoma in Polish Patients Is Mediated by Population-Specific Gut Microbiome Composition. **2022**, 14, 5369	0
410	Draft Genome Sequences of Seven Limosilactobacillus fermentum Indigenously Isolated Probiotic Strains from the Artisanal Fermented Milk Product Dahi.	0
409	Identification, characterization, and genome sequencing of Brevibacterium sediminis MG-1 isolate with growth-promoting properties. **2022**, 12,	0
408	Detection of IMP-4 and SFO-1 co-producing ST51 Enterobacter hormaechei clinical isolates. 12,	0
407	Genomic and Phylogenetic Characterization of Rhodopseudomonas infernalis sp. nov., Isolated from the Hell Creek Watershed (Nebraska). **2022**, 10, 2024	0
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405	Draft Genome Sequences for 6 Isolates of Endospore-Forming Class Bacilli Species Isolated from Soil from a Suburban, Wooded, Developed Space.	0
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398	Comparative Genomic Analysis of Phytopathogenic Xanthomonas Species Suggests High Level of Genome Plasticity Related to Virulence and Host Adaptation. **2022**, 1, 218-241	0
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394	Hephaestia mangrovi sp. nov., a novel endophytic bacterium isolated from Aegiceras corniculatum. **2022**, 72,	0
393	Metallosphaera javensis sp. nov., a novel species of thermoacidophilic archaea, isolated from a volcanic area. **2022**, 72,	0
392	Salinimicrobium sediminilitoris sp. nov., Isolated from a Tidal Flat. **2022**, 79,	0
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390	Fructobacillus cardui sp. nov., isolated from a thistle (Carduus nutans) flower. **2022**, 72,	0
389	Complete Genome Sequence of Brucella abortus 2308, Isolated from an Abortion Storm on a Dairy Farm in India.	0
388	Potential autotrophic carbon-fixer and Fe(II)-oxidizer Alcanivorax sp. MM125-6 isolated from Wocan hydrothermal field. 13,	0
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379	Glycogen degrading activities of catalytic domains of αamylase and αamylase-pullulanase enzymes conserved inGardnerellaspp. from the vaginal microbiome.	1
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368	Silicon and plant nutrition: Dynamics, mechanisms of transport, and role of silicon solubilizer microbiomes in sustainable agriculture. **2022**,	2
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364	Genomic insights into phage-host interaction in the deep-sea chemolithoautotrophic Campylobacterota, Nitratiruptor. **2022**, 2,	0
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355	A Review of Extremophile Protein Classification Using Machine Learning. **2022**,	0
354	Genomic Analysis of Halotolerant Bacterial Strains Martelella soudanensis NC18T and NC20. **2022**,	0
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352	Draft Genome Sequence of a Ketoprofen Degrader, Rhodococcus erythropolis IEGM 746.	0
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348	Extraintestinal survival and host immune response toVibrio cholerae.	0
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342	Characterization of antibiotic-resistance traits in Akkermansia muciniphila strains of human origin. **2022**, 12,	0
341	Modeling multiphage-bacteria kinetics to predict phage therapy potency and longevity.	0

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338	Isolation, characterization, and genomic analysis of vB_PaeS_TUMS_P81, a lytic bacteriophage against Pseudomonas aeruginosa.	0
337	Paracrocinitomix mangrovi gen. nov., sp. nov., isolated from a mangrove sediment: proposal of two new families, Phaeocystidibacteraceae fam. nov. and Owenweeksiaceae fam. nov., and emended description of the family Schleiferiaceae.	0
336	Jiella avicenniae sp. nov., a novel endophytic bacterium isolated from bark of Avicennia marina. **2022**, 204,	0
335	Gramella sediminis sp. nov., isolated from a tidal flat of the Yellow Sea. **2022**, 72,	1
334	Marinobacterium sedimentorum sp. nov., Isolated from the Bottom Sediments of the Okhotsk Sea. **2022**, 14, 944	0
333	Complete Genome Sequence and Comparative Genome Analysis of Variovorax sp. Strains PAMC28711, PAMC26660, and PAMC28562 and Trehalose Metabolic Pathways in Antarctica Isolates. **2022**, 2022, 1-13	0
332	Draft genome of Sporosarcina sp. NCCP-2222T isolated from rhizosphere of mangrove plant Ceriops tagal reveals its potential as a plant biostimulant and constitutes a novel species. **2022**, 102543	0
331	Phage resistance profiling identifies new genes required for biogenesis and modification of the corynebacterial cell envelope. 11,	0
330	Genomic analysis of Paenibacillus sp. MDMC362 from the Merzouga desert leads to the identification of a potentially thermostable catalase.	0
329	Metagenomic insights into microorganisms and antibiotic resistance genes of waste antibiotic fermentation residues along production, storage and treatment processes. **2022**,	1
328	Physiological niche informs evolution of metabolic function and corresponding drug targets of pathobionts.	0
327	Prevalence and Genetic Analysis of Resistance Mechanisms of Linezolid-Nonsusceptible Enterococci in a Tertiary Care Hospital Examined via Whole-Genome Sequencing. **2022**, 11, 1624	0
326	Genomic Analysis of a Novel Heavy Metal Resistant Isolate from a Black Sea Contaminated Sediment with the Potential to Degrade Alkanes: Plantactinospora alkalitolerans sp. nov.. **2022**, 14, 947	1
325	Insights into Genomic Evolution and the Potential Genetic Basis of Klebsiella variicola subsp. variicola ZH07 Reveal Its Potential for Plant Growth Promotion and Autotoxin Degradation.	0
324	Whole Genome Analyses Accurately Identify Neisseria spp. and Limit Taxonomic Ambiguity. **2022**, 23, 13456	0
323	Genomic Diversity of Campylobacter lari Group Isolates from Europe and Australia in a One Health Context.	0

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321	Introducing the Bacterial and Viral Bioinformatics Resource Center (BV-BRC): a resource combining PATRIC, IRD´and ViPR.	10
320	Genomic potential for exopolysaccharide production and differential polysaccharide degradation in closely related Alteromonas sp. PRIM-21 and Alteromonas fortis 1T.	0
319	Taxonomic and genomic characterization of Sporosarcina cyprini sp. nov., moderately tolerant of Cr+6 and Cd+2 isolated from the gut of invasive fish Cyprinus carpio var. communis (Linn., 1758).	0
318	Divergent gene expression responses in two Baltic Sea heterotrophic model bacteria to dinoflagellate dissolved organic matter. **2022**, 17, e0243406	0
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316	Analysis of pCl107 a large plasmid carried by an ST25 Acinetobacter baumannii strain reveals a complex evolutionary history and links to multiple antibiotic resistance and metabolic pathways.	0
315	Genomes of Vibrio metoecus co-isolated with Vibrio cholerae extend our understanding of differences between these closely related species. **2022**, 14,	0
314	Characterization and the host specificity of Pet-CM3□, a new phage infecting Cronobacter and Enterobacter strains. **2023**, 324, 199025	0
313	Comparative analysis unravels genetic recombination events of Vibrio parahaemolyticus recA gene. **2023**, 107, 105396	0
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311	CAM-21, a novel lytic phage with high specificity towards Escherichia coli O157:H7 in food products. **2023**, 386, 110026	0
310	Genomic analysis of Marinimicrobium sp. C6131 reveals its genetic potential involved in chitin metabolism. **2023**, 67, 101007	0
309	Use of kefir-derived lactic acid bacteria for the preparation of a fermented soy drink with increased estrogenic activity. **2023**, 164, 112322	1
308	Whole genome and 16S rRNA dataset of Pectobacterium carotovorum strain 21TX0081 isolated from a symptomatic onion foliage in Texas. **2023**, 46, 108823	0
307	Differential impacts of salinity on antibiotic resistance genes during cattle manure stockpiling are linked to mobility potentials revealed by metagenomic sequencing. **2023**, 445, 130590	0
306	Comparison of functional classification systems. **2022**, 4,	0
305	Effects of Klebsiella pneumoniae Bacteriophages on IRAK3 Knockdown/Knockout THP-1 Monocyte Cell Lines. **2022**, 14, 2582	0

304	Consumption of N2O by Flavobacterium azooxidireducens sp. nov. Isolated from Decomposing Leaf Litter of Phragmites australis (Cav.). **2022**, 10, 2304	1
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300	ARCHE: A HIERARCHICAL, EASY TO DOWNLOAD, FUNCTIONAL-OPTIMIZED ANNOTATOR FOR MICROBIAL META(GENOMES).	0
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296	Mangrovimonas futianensis sp. nov., a novel species isolated from mangrove sediment. **2022**, 72,	0
295	Co-transfer of functionally interdependent genes contributes to genome mosaicism in lambdoid phages. **2022**, 8,	0
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290	Potential application of a newly isolated phage BUCT609 infecting Stenotrophomonas maltophilia. 13,	0
289	Identification of a growth factor required for culturing specific fastidious oral bacteria. **2023**, 15,	0
288	The first host-associated anaerobic isolate ofPsychrilyobacterprovides insights into its potential roles in the abalone gut.	0
287	Prophages regulateShewanella fidelis3313 motility and biofilm formation: implications for gut colonization dynamics inCiona robusta.	0

286	Genomic profiling of Nitrospira species reveals ecological success of comammox Nitrospira. **2022**, 10,	0
285	Limnobacter parvus sp. nov., a Thiosulfate-Oxidizing Bacterium Isolated from Lake Water. **2023**, 80,	0
284	Phylogenomic analysis of Citrobacter sp. strain AAK_AS5 and its metabolic capabilities to support nitrogen removal behavior.	0
283	Various mobile genetic elements carrying optrA in Enterococcus faecium and Enterococcus faecalis isolates from swine within the same farm.	0
282	In Vitro and Pre-Clinical Evaluation of Locally Isolated Phages, vB_Pae_SMP1 and vB_Pae_SMP5, Formulated as Hydrogels against Carbapenem-Resistant Pseudomonas aeruginosa. **2022**, 14, 2760	0
281	Draft Genome Sequence of Mycobacterium tuberculosis Strain SNMICRO 2047-20, Isolated from Intraocular Infection.	0
280	Genomic Insights into Two Endophytic Strains: Stenotrophomonas geniculata NWUBe21 and Pseudomonas carnis NWUBe30 from Cowpea with Plant Growth-Stimulating Attributes. **2022**, 12, 12953	1
279	The use of filamentous hemagglutinin adhesin to detect immune responses to Campylobacter hepaticus infections in layer hens. 9,	0
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276	A computational model ofPseudomonas syringaemetabolism unveils the role of branched-chain amino acids in virulence expression at the early stages of Arabidopsis colonization.	0
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274	Nocardioides palaemonis sp. nov. and Tessaracoccus palaemonis sp. nov., isolated from the gastrointestinal tract of lake prawn. **2022**, 72,	0
273	Emiliania huxleyiBacteria Interactions under Increasing CO2 Concentrations. **2022**, 10, 2461	0
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268	Levilactobacillus humaensis sp. nov. and Lapidilactobacillus luobeiensis sp. nov., isolated from traditional Chinese pickle. **2022**, 72,	0
267	Specialized metabolic convergence in the gut microbiomes of cycad-feeding insects tolerant to □methylamino-L-alanine (BMAA).	0
266	Gordonia tangerina sp. nov., isolated from seawater. **2022**, 72,	0
265	Safety Evaluation of Bacillus subtilis IDCC1101, Newly Isolated from Cheonggukjang, for Industrial Applications. **2022**, 10, 2494	2
264	Paenibacillus xylinteritussp. nov., a novel bacterial species isolated from grapevine wood.	0
263	Genomic analysis ofMycobacterium brumaesustains its nonpathogenic and immunogenic phenotype.	0
262	IS26-mediated in vivo acquisition of blaKPC-2 in an ST11-K64 Klebsiella pneumoniae isolate from a senile inpatient.	0
261	Halocatena salina sp. nov., a filamentous halophilic archaeon isolated from Aiding Salt Lake. **2022**, 72,	0
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256	Draft Genome Sequences of Four Methicillin-Resistant Staphylococcus aureus Strains (M080_2017, M106_2017, M181_2017, and M191_2017), Isolated from a Malaysian Teaching Hospital. **2022**, 11,	0
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239	Comparative genomic analyses of four novel Ramlibacter species and the cellulose-degrading properties of Ramlibacter cellulosilyticus sp. nov.. **2022**, 12,	0
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232	Isolation, characterization, and genomic analysis of vB_PaeP_TUMS_P121, a new lytic bacteriophage infecting Pseudomonas aeruginosa. **2023**, 168,	0
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227	Recombination Drives Evolution of Carbapenem-Resistant Klebsiella pneumoniae Sequence Type 11 KL47 to KL64 in China.	1
226	Genomic Characteristics and Comparative Genomic Analysis of a Probiotic Bacterial Strain, Lactiplantibacillus plantarum CKDB008. **2022**, 2,	0
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213	Genomic insights of Leclercia adecarboxylata strains linked to an outbreak in public hospitals in Mexico.	0
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209	Complete Genome Sequences of Two Lytic Phages of Salmonella enterica.	0
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206	Tracing of persistent Listeria monocytogenes contamination in ewe’s milk farm.	0
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204	An XDR Pseudomonas aeruginosa ST463 Strain with an IncP-2 Plasmid Containing a Novel Transposon Tn 6485f Encoding bla IMP-45 and bla AFM-1 and a Second Plasmid with Two Copies of bla KPC-2.	0
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82	Functional annotation and comparative analysis of four Botrytis cinerea mitogenomes reported from Punjab, Pakistan. **2023**, 30, 103605	0
81	Arthrobacter mangrovi sp. nov., an actinobacterium isolated from the rhizosphere of a mangrove. **2023**, 73,	0
80	Serratia silvae sp. nov., Isolated from Forest Soil. **2023**, 80,	0
79	Temperature-induced modulation of stress-tolerant PGP genes bioprospected from Bacillus sp. IHBT-705 associated with saffron (Crocus sativus) rhizosphere: A natural -treasure trove of microbial biostimulants. 14,	0
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77	Genomic Comparisons Reveal Selection Pressure and Functional Variation Between Nutritional Endosymbionts of Cave-Adapted and Epigean Hawaiian Planthoppers. **2023**, 15,	0
76	Blastopirellula sediminis sp. nov. a new member of Pirellulaceae isolated from the Andaman and Nicobar Islands.	0
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69	Abundance and composition of particles and their attached microbiomes along an Atlantic Meridional Transect. 10,	0
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67	Investigation of a Listeria monocytogenes Chromosomal Immigration Control Region Reveals Diverse Restriction Modification Systems with Complete Sequence Type Conservation. **2023**, 11, 699	0
66	Halocatena marina sp. nov., a novel filamentous halophilic archaeon isolated from marine tidal flat and emended description of the genus Halocatena. **2023**, 27,	0
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61	Characterization of Molecular Diversity and Organization of Phycobilisomes in Thermophilic Cyanobacteria. **2023**, 24, 5632	0
60	A Novel Strategy to Identify Endolysins with Lytic Activity against Methicillin-Resistant Staphylococcus aureus. **2023**, 24, 5772	0
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58	Brevundimonas and Serratia as host systems for assessing associated environmental viromes and phage diversity by complementary approaches. 14,	0
57	Potential selection and maintenance of manure-originated multi-drug resistant plasmids at sub-clinical antibiotic concentrations.	0
56	Predicting human risk with multidrug resistant Enterobacter hormaechei MS2 with MCR 9 gene isolated from the feces of healthy broiler through whole genome sequence based analysis..	0
55	Whole genome characterization of thermophilic Campylobacter species isolated from dairy manure in small specialty crop farms of Northeast Ohio. 14,	0
54	Prospecting the functional potential of Bacillus altitudinis 1.4 isolated from sediment in association with Bradyrhizobium japonicum.	0
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51	Isolation and characterization of bioactive metabolites of Bacillus enclensis CARE-V7 strain from southeast coast of India.	0
50	Novosphingobium kaempferiae sp. nov., a phosphate-solubilizing bacterium isolated from stem of Kaempferia marginata Carey. **2023**, 73,	0
49	Genomes of four Streptomyces strains reveal insights into putative new species and pathogenicity of scab-causing organisms. **2023**, 24,	0
48	Gordonia aquimaris sp. nov., a novel marine actinobacterium isolated from seawater in the upper gulf of Thailand. **2023**, 73,	0
47	Genetic diversity of listeria found in the meat processing environment. **2023**, 41, 24	0
46	Genomic analysis of Vibrio harveyi strain PH1009, a potential multi-drug resistant pathogen due to acquisition of toxin genes. **2023**, 9, e14926	0
45	Description of Ornithinimicrobium cryptoxanthini sp. nov., a Novel Actinomycete Producing □cryptoxanthin Isolated from the Tongtian River Sediments.	0
44	Analysis of the speciation process suggests a dual lifestyle in the plant pathogen Ralstonia solanacearum species complex.	0
43	Genomics assisted characterization of plant growth-promoting and metabolite producing psychrotolerant Himalayan Chryseobacterium cucumeris PCH239. **2023**, 205,	0
42	Enterococcal Linear Plasmids Adapt to Enterococcus faecium and Spread within Multidrug-Resistant Clades. **2023**, 67,	0
41	Pioneer colonizers: Bacteria that alter the chicken intestinal morphology and development of the microbiota. 14,	0
40	Description of a Novel Fish Pathogen, Plesiomonas shigelloides subsp. oncorhynchi, Isolated from Rainbow Trout (Oncorhynchus mykiss): First Genome Analysis and Comparative Genomics. **2023**, 8, 179	0
39	Comparative Genomics and Directed Evolution Reveal Genetic Determinants of Extreme UVC Radiation Tolerance in Bacteria Recovered from the Stratosphere.	0
38	Can beta-lactamase resistance genes in anaerobic Gram-negative gut bacteria transfer to gut aerobes?.	0
37	Diverse Repertoire and Relationship of Exopolysaccharide Genes in Cold-Adapted Acinetobacter sp. CUI-P1 Revealed by Comparative Genome Analysis. **2023**, 11, 885	0
36	Natrinema caseinilyticum sp. nov., Natrinema gelatinilyticum sp. nov., Natrinema marinum sp. nov., Natrinema zhouii sp. nov., extremely halophilic archaea isolated from marine environments and a salt mine. **2023**, 27,	0
35	Membranihabitans maritimus sp. nov., a marine bacterium isolated from deep seawater. **2023**, 73,	0

34	Genomic profiling and characteristics of a C1 degrading heterotrophic fresh-water bacterium Paracoccus sp. strain DMF.	0
33	Whole genome sequencing of a novel Bacillus thuringiensis isolated from Assam soil. **2023**, 23,	0
32	Draft Genome Sequences of 18 Bacteroidetes Strains Isolated from a Human Stool Sample.	0
31	Spontaneously Produced Lysogenic Phages Are an Important Component of the Soybean Bradyrhizobium Mobilome.	0
30	Shewanella subflava sp. nov., a novel multi-resistant bacterium, isolated from the estuary of the Fenhe River into the Yellow River.	0
29	Parvularcula maris sp. nov., an algicidal bacterium isolated from seawater. **2023**, 73,	0
28	Limimaricola litoreus sp. nov., isolated from intertidal sand of the Yellow Sea. **2023**, 73,	0
27	Isolation, screening and characterization of phage. **2023**,	0
26	Aestuariibaculum lutulentum sp. nov., a marine bacterium isolated from coastal sediment in Beihai. **2023**, 205,	0
25	New Insights on Metabolic Features of Bacillus subtilis Based on Multistrain Genome-Scale Metabolic Modeling. **2023**, 24, 7091	0
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23	Coliphages of the human urinary microbiota. **2023**, 18, e0283930	0
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21	Brevundimonas brasiliensis sp. nov.: a New Multidrug-Resistant Species Isolated from a Patient in Brazil.	0
20	Genomic analysis and characterization of phages infecting the marine Roseobacter CHAB-I-5 lineage reveal a globally distributed and abundant phage genus. 14,	0
19	Complete Genome Sequence of Klebsiella pneumoniae Bacteriophage KpS110, Encoding Five Tail-Associated Proteins with Putative Polysaccharide Depolymerase Domains.	0
18	Microbulbifer zhoushanensis sp. nov., Microbulbifer sediminum sp. nov. and Microbulbifer guangxiensis sp. nov., three marine bacteria isolated from a tidal flat. **2023**, 73,	0
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16	Solitalea agri sp. nov., a new member of the genus Solitalea isolated from rhizospheric soil of a jujube tree. **2023**, 73,	0
15	Characterization of the newly isolated phage Y3Z against multi-drug resistant Cutibacterium acnes. **2023**, 106111	0
14	Tahibacter harae sp. nov., isolated from pig farm soil in Guangdong, PR China. **2023**, 73,	0
13	Streptomyces beihaiensis sp. nov., a chitin-degrading actinobacterium, isolated from shrimp pond soil. **2023**, 73,	0
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11	Description of Sporanaerobium hydrogeniformans gen. nov., sp. nov., an obligately anaerobic, hydrogen producing bacterium of Lachnospiraceae family isolated from Aravali hot spring in India.	0
10	Temperate phage influence virulence and biofilm-forming of Salmonella Typhimurium and enhance the ability to contaminate food product. **2023**, 110223	0
9	Complete Genome of □Candidatus Phytoplasma rubi□RS, a Phytopathogenic Bacterium Associated with Rubus Stunt Disease. **2023**, 12,	0
8	Alteromonas salexigens sp.nov., isolated from coastal seawater.	0
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6	Home-based microbial solution to boost crop growth in low-fertility soil.	0
5	Dissemination of carbapenemase-producing Enterobacterales through wastewater and gulls at a wastewater treatment plant in Sweden. **2023**, 886, 163997	0
4	Genome sequence data of Burkholderia sp. IMCC1007 isolated from maize rhizosphere: A potential strain in fusaric acid mycotoxin biodegradation. **2023**, 48, 109204	0
3	Whole Genome Analysis and Assessment of the Metabolic Potential of Gordonia rubripertincta Strain 112, a Degrader of Aromatic and Aliphatic Compounds. **2023**, 12, 721	0
2	Microbes with higher metabolic independence are enriched in human gut microbiomes under stress.	0
1	Repression of Staphylococcus aureus and Escherichia coli by Lactiplantibacillus plantarum Strain AG10 in Drosophila melanogaster In Vivo Model. **2023**, 11, 1297	0