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**antiSMASH 3.0-a comprehensive resource for the genome mining of biosynthetic gene clusters**

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1698	Tryptorubin A: A Polycyclic Peptide from a Fungus-Derived Streptomyete.		
1697	.		
1696	Antibiotics: Initial Concepts and Considerations. <b>2015</b> , 4-15		
1695	Antibiotic Resistance: Modification or Destruction of the Antibiotic. <b>2015</b> , 198-218		
1694	Antibiotic Resistance via Membrane Efflux Pumps. <b>2015</b> , 220-229		
1693	Resistance via Target Modification. <b>2015</b> , 230-251		
1692	Tuberculosis: A Formidable Challenge for Antibiotic Therapy. <b>2015</b> , 252-271		
1691	Antibiotic Biosynthesis: Principles. <b>2015</b> , 276-287		
1690	Biosynthesis of Peptide Antibiotics. <b>2015</b> , 288-318		
1689	Biosynthesis of Polyketide Antibiotics. <b>2015</b> , 320-342		
1688	Biosynthesis of Oligosaccharide, Isoprenoid, and C-P Antibiotic Classes. <b>2015</b> , 344-362		
1687	Underexploited Pathways and Targets for Antibiotics. <b>2015</b> , 366-397		

1686 Prospects for New Molecules and New Targets. **2015**, 398-419

1685 Major Classes of Antibiotics and Their Modes of Action. **2015**, 16-32

1684 Assembly of the Peptidoglycan Layer of Bacterial Cell Walls. **2015**, 36-67

0

1683 Antibiotics That Block Peptidoglycan Assembly and Integrity. **2015**, 68-100

1682 Antibiotics That Disrupt Membrane Integrity. **2015**, 102-113

1681 Antibiotics That Block Protein Synthesis. **2015**, 114-146

1680 Antibiotics That Target DNA and RNA Information Transfer. **2015**, 148-162

1679 Antibiotics That Block Biosynthesis of the DNA Building Block Deoxythymidylate. **2015**, 164-176

1678 Bacterial Antibiotic Resistance: Overview. **2015**, 180-196

1677 Genomic mutational analysis of the impact of the classical strain improvement program on  
Eactam producing *Penicillium chrysogenum*. **2015**, 16, 937

36

1676 Genome Sequences of Two Multidrug-Resistant *Acinetobacter baumannii* Clinical Strains Isolated  
from Southern India. **2015**, 3,

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of AT domains in trans. **2015**, 16, 1015

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Mechanism. **2015**, 16, 2610-4

17

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Marine Hydroid *Hydractinia echinata*. **2015**, 3,

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7

1670 Draft Genome Sequence of *Pseudomonas* sp. Strain In5 Isolated from a Greenlandic Disease  
Suppressive Soil with Potent Antimicrobial Activity. **2015**, 3,

6

1669 Streptocollin, a Type IV Lanthipeptide Produced by *Streptomyces collinus* TB65. **2015**, 16, 2615-23

36

1668	Systems Biology Approaches to Understand Natural Products Biosynthesis. <b>2015</b> , 3, 199	6
1667	The Sound of Silence: Activating Silent Biosynthetic Gene Clusters in Marine Microorganisms. <b>2015</b> , 13, 4754-83	92
1666	Filamentous fungi from extreme environments as a promising source of novel bioactive secondary metabolites. <b>2015</b> , 6, 903	60
1665	Chassis optimization as a cornerstone for the application of synthetic biology based strategies in microbial secondary metabolism. <b>2015</b> , 6, 906	24
1664	References. <b>2015</b> , 421-454	
1663	Whole Genome Sequencing of the Symbiont <i>Pseudovibrio</i> sp. from the Intertidal Marine Sponge <i>Polymastia penicillus</i> Revealed a Gene Repertoire for Host-Switching Permissive Lifestyle. <b>2015</b> , 7, 3022-32	22
1662	Genome Sequence of <i>Geobacillus</i> sp. Strain ZGt-1, an Antibacterial Peptide-Producing Bacterium from Hot Springs in Jordan. <b>2015</b> , 3,	8
1661	Complete Genome Sequence of <i>Acinetobacter baumannii</i> Strain B8342, a Motility-Positive Clinical Isolate. <b>2015</b> , 3,	2
1660	Complete Genome Sequence of <i>Acinetobacter baumannii</i> Strain B8300, Which Displays High Twitching Motility. <b>2015</b> , 3,	3
1659	Draft genome sequences of three chemically rich actinomycetes isolated from Mediterranean sponges. <b>2015</b> , 24 Pt 3, 285-7	7
1658	Complete Genome Sequencing of <i>Stenotrophomonas acidaminiphila</i> ZAC14D2_NAIMI4_2, a Multidrug-Resistant Strain Isolated from Sediments of a Polluted River in Mexico, Uncovers New Antibiotic Resistance Genes and a Novel Class-II Lasso Peptide Biosynthesis Gene Cluster. <b>2015</b> , 3,	6
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1655	<i>Pseudomonas putida</i> -a versatile host for the production of natural products. <b>2015</b> , 99, 6197-214	185
1654	The complete genome sequence of a high pristinamycin-producing strain <i>Streptomyces pristinaespiralis</i> HCCB10218. <b>2015</b> , 214, 45-6	4
1653	High Trap Formation and Low Metabolite Production by Disruption of the Polyketide Synthase Gene Involved in the Biosynthesis of Arthrosporols from Nematode-Trapping Fungus <i>Arthrobotrys oligospora</i> . <b>2015</b> , 63, 9076-82	21
1652	Genome sequence of <i>Streptomyces pluripotens</i> MUSC 135(T) exhibiting antibacterial and antioxidant activity. <b>2015</b> , 24 Pt 3, 281-3	13
1651	Mining Genomes of Three Marine Sponge-Associated Actinobacterial Isolates for Secondary Metabolism. <b>2015</b> , 3,	8

1650	Minimum Information about a Biosynthetic Gene cluster. <b>2015</b> , 11, 625-31	498
1649	Two of a Kind--The Biosynthetic Pathways of Chlorotonil and Anthracimycin. <b>2015</b> , 10, 2480-90	21
1648	Biosynthesis of the Novel Macrolide Antibiotic Anthracimycin. <b>2015</b> , 10, 2468-79	34
1647	Draft Genome Sequence of Streptomyces sp. Strain PBH53, Isolated from an Urban Environment. <b>2015</b> , 3,	3
1646	Draft genome sequence of Talaromyces islandicus ("Penicillium islandicum") WF-38-12, a neglected mold with significant biotechnological potential. <b>2015</b> , 211, 101-2	11
1645	Draft Genome Sequence of the Shellfish Larval Probiotic Bacillus pumilus RI06-95. <b>2015</b> , 3,	3
1644	Draft Genome Sequence of an Anthracimycin Producer, Streptomyces sp. TP-A0875. <b>2015</b> , 3,	3
1643	Linking Biosynthetic Gene Clusters to their Metabolites via Pathway- Targeted Molecular Networking. <b>2016</b> , 16, 1705-16	29
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1641	Cyclisation mechanisms in the biosynthesis of ribosomally synthesised and post-translationally modified peptides. <b>2016</b> , 12, 1250-68	32
1640	Recent advances in understanding. <b>2016</b> , 5, 2795	107
1639	Draft Genome Sequence of Thermogemmatispora onikobensis NBRC 111776T, an Aerial Mycelium- and Spore-Forming Thermophilic Bacterium Belonging to the Class Ktedonobacteria. <b>2016</b> , 4,	6
1638	Draft Genome Sequence of Cloacibacterium normanense NRS-1 Isolated from Municipal Wastewater. <b>2016</b> , 4,	6
1637	Draft Genome Assembly of the Bloom-Forming Cyanobacterium Nodularia spumigena Strain CENA596 in Shrimp Production Ponds. <b>2016</b> , 4,	6
1636	Draft Genome Sequence of Bacillus luciferensis Isolated from Soil. <b>2016</b> , 4,	
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1633	The Transcriptome of during Skin Model Infection. <b>2016</b> , 6, 136	18

1632	Biosynthesis, Chemical Structure, and Structure-Activity Relationship of Orfamide Lipopeptides Produced by <i>Pseudomonas protegens</i> and Related Species. <b>2016</b> , 7, 382	47
1631	Bacteriocins: Novel Solutions to Age Old Spore-Related Problems?. <b>2016</b> , 7, 461	71
1630	Genomic and Secondary Metabolite Analyses of <i>Streptomyces</i> sp. 2AW Provide Insight into the Evolution of the Cycloheximide Pathway. <b>2016</b> , 7, 573	11
1629	Planctomycetes as Novel Source of Bioactive Molecules. <b>2016</b> , 7, 1241	60
1628	<i>Leisingera</i> sp. JC1, a Bacterial Isolate from Hawaiian Bobtail Squid Eggs, Produces Indigoidine and Differentially Inhibits <i>Vibrios</i> . <b>2016</b> , 7, 1342	42
1627	A Phenotypic and Genotypic Analysis of the Antimicrobial Potential of Cultivable Isolated from Cave Moonmilk Deposits. <b>2016</b> , 7, 1455	41
1626	Production of the Bioactive Compounds Violacein and Indolmycin Is Conditional in a Mutant of S4054 Lacking the Malic Enzyme. <b>2016</b> , 7, 1461	13
1625	Metabolic Conservation and Diversification of Species Correlate with Fungal Host-Specificity. <b>2016</b> , 7, 2020	20
1624	Genome Analysis of Two Phylotypes Associated with Leafcutter Ants Reveals Their Biosynthetic Potential. <b>2016</b> , 7, 2073	27
1623	gen. nov., sp. nov., an Unusual Member of the Phylum Planctomycetes from the German Wadden Sea. <b>2016</b> , 7, 2079	34
1622	Insect Vectors of Disease: Untapped Reservoirs for New Antimicrobials?. <b>2016</b> , 7, 2085	7
1621	Next Generation Sequencing of Actinobacteria for the Discovery of Novel Natural Products. <b>2016</b> , 14,	82
1620	Discovery Strategies of Bioactive Compounds Synthesized by Nonribosomal Peptide Synthetases and Type-I Polyketide Synthases Derived from Marine Microbiomes. <b>2016</b> , 14,	49
1619	Spotlight on Antimicrobial Metabolites from the Marine Bacteria <i>Pseudoalteromonas</i> : Chemodiversity and Ecological Significance. <b>2016</b> , 14,	93
1618	Activating and Attenuating the Amicoumacin Antibiotics. <b>2016</b> , 21,	30
1617	The Draft Genome Sequence of <i>Actinokineospora bangkokensis</i> 44EHW Reveals the Biosynthetic Pathway of the Antifungal Thailandin Compounds with Unusual Butylmalonyl-CoA Extender Units. <b>2016</b> , 21,	3
1616	Echinocandin B biosynthesis: a biosynthetic cluster from <i>Aspergillus nidulans</i> NRRL 8112 and reassembly of the subclusters Ecd and Hty from <i>Aspergillus pachycristatus</i> NRRL 11440 reveals a single coherent gene cluster. <b>2016</b> , 17, 570	16
1615	Biosynthesis of Antibiotic Leucinostatins in Bio-control Fungus <i>Purpureocillium lilacinum</i> and Their Inhibition on <i>Phytophthora</i> Revealed by Genome Mining. <b>2016</b> , 12, e1005685	72

1614	Sequencing rare marine actinomycete genomes reveals high density of unique natural product biosynthetic gene clusters. <b>2016</b> , 162, 2075-2086	48
1613	Surfactin variants mediate species-specific biofilm formation and root colonization in <i>Bacillus</i> . <b>2016</b> , 18, 2634-45	62
1612	Activation and Identification of NC-1: A Cryptic Cyclodepsipeptide from Red Soil-Derived <i>Streptomyces</i> sp. FXJ1.172. <b>2016</b> , 2016, 3943-3948	11
1611	Bacterial Alkaloids Prevent Amoebal Predation. <b>2016</b> , 55, 8944-7	31
1610	Challenges in the Heterologous Production of Antibiotics in <i>Streptomyces</i> . <b>2016</b> , 349, 594-601	19
1609	Genome Sequence of the Endophytic Bacterium <i>Bacillus thuringiensis</i> Strain KB1, a Potential Biocontrol Agent against Phytopathogens. <b>2016</b> , 4,	10
1608	Draft Genome Sequence of <i>Streptomyces vitaminophilus</i> ATCC 31673, a Producer of Pyrrolomycin Antibiotics, Some of Which Contain a Nitro Group. <b>2016</b> , 4,	1
1607	Occidiofungin is an important component responsible for the antifungal activity of <i>Burkholderia pyrrocinia</i> strain Lyc2. <b>2016</b> , 120, 607-18	16
1606	Bacterial pathogenesis of plants: future challenges from a microbial perspective: Challenges in Bacterial Molecular Plant Pathology. <b>2016</b> , 17, 1298-313	50
1605	Genome Sequence of <i>Bacillus glycinifermentans</i> TH008, Isolated from Ohio Soil. <b>2016</b> , 4,	2
1604	The cyclochlorotine mycotoxin is produced by the nonribosomal peptide synthetase CctN in <i>Talaromyces islandicus</i> (' <i>Penicillium islandicum</i> '). <b>2016</b> , 18, 3728-3741	12
1603	Draft Genome Sequences of Four Plant Probiotic <i>Bacillus</i> Strains. <b>2016</b> , 4,	2
1602	Astellifadiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. <b>2016</b> , 55, 5785-8	114
1601	Activation of a plasmid-situated type III PKS gene cluster by deletion of a <i>wbl</i> gene in deepsea-derived <i>Streptomyces somaliensis</i> SCSIO ZH66. <b>2016</b> , 15, 116	21
1600	Bacterial Alkaloids Prevent Amoebal Predation. <b>2016</b> , 128, 9090-9093	11
1599	Elucidation of the zinc-dependent regulation in <i>Amycolatopsis japonicum</i> enabled the identification of the ethylenediamine-disuccinate ([S,S]-EDDS) genes. <b>2016</b> , 18, 1249-63	18
1598	Draft Genome Sequence of the Deep-Sea Basidiomycetous Yeast <i>Cryptococcus</i> sp. Strain Mo29 Reveals Its Biotechnological Potential. <b>2016</b> , 4,	5
1597	Complete Genome Sequence of <i>Rhodococcus</i> sp. Strain WMMA185, a Marine Sponge-Associated Bacterium. <b>2016</b> , 4,	4

1596	Draft Genome Sequence of <i>Carnobacterium divergens</i> V41, a Bacteriocin-Producing Strain. <b>2016</b> , 4,	2
1595	Draft Genome Sequence of the Endophytic Strain <i>Rhodococcus kyotonensis</i> KB10, a Potential Biodegrading and Antibacterial Bacterium Isolated from <i>Arabidopsis thaliana</i> . <b>2016</b> , 4,	1
1594	Insights from the draft genome of the subsection V (Stigonematales) cyanobacterium <i>Hapalosiphon</i> sp. Strain MRB220 associated with 2-MIB production. <b>2016</b> , 11, 58	6
1593	Draft Genome Sequences of Two Benthic Cyanobacteria, <i>Oscillatoriales</i> USR 001 and <i>Nostoc</i> sp. MBR 210, Isolated from Tropical Freshwater Lakes. <b>2016</b> , 4,	1
1592	Family-wide Structural Characterization and Genomic Comparisons Decode the Diversity-oriented Biosynthesis of Thalassospiramides by Marine Proteobacteria. <b>2016</b> , 291, 27228-27238	7
1591	Draft Genome Sequence of <i>Arthrobacter enclensis</i> NCIM 5488T for Secondary Metabolism. <b>2016</b> , 4,	2
1590	Spatial Molecular Architecture of the Microbial Community of a Lichen. <b>2016</b> , 1,	22
1589	Draft Genome Sequence of <i>Microcystis aeruginosa</i> CACIAM 03, a Cyanobacterium Isolated from an Amazonian Freshwater Environment. <b>2016</b> , 4,	6
1588	Draft Genome Sequence of <i>Microcystis aeruginosa</i> NIES-98, a Non-Microcystin-Producing Cyanobacterium from Lake Kasumigaura, Japan. <b>2016</b> , 4,	6
1587	Host Organisms: <i>Myxobacterium</i> . <b>2016</b> , 453-485	2
1586	Development of sp. FR-008 as an emerging chassis. <b>2016</b> , 1, 207-214	22
1585	High-Quality Draft Genome Sequence of the Actinobacterium <i>Nocardia terpenica</i> IFM 0406, Producer of the Immunosuppressant Brasilicardins, Using Illumina and PacBio Technologies. <b>2016</b> , 4,	12
1584	Genome comparisons provide insights into the role of secondary metabolites in the pathogenic phase of the <i>Phototrhhabdus</i> life cycle. <b>2016</b> , 17, 537	25
1583	Genome Sequence of <i>Streptomyces</i> sp. Strain RTd22, an Endophyte of the Mexican Sunflower. <b>2016</b> , 4,	4
1582	Investigation of the Genetics and Biochemistry of Roseobacticide Production in the Roseobacter Clade Bacterium <i>Phaeobacter inhibens</i> . <b>2016</b> , 7, e02118	38
1581	Whole-Genome Sequence of <i>Bacillus</i> sp. SDL11, Isolated from the Social Bee <i>Scaptotrigona depilis</i> . <b>2016</b> , 4,	7
1580	CRISPy-web: An online resource to design sgRNAs for CRISPR applications. <b>2016</b> , 1, 118-121	80
1579	The Chemical Ecology of Predatory Soil Bacteria. <b>2016</b> , 11, 1502-10	31



1578	Variochelins, Lipopeptide Siderophores from <i>Variovorax boronicumulans</i> Discovered by Genome Mining. <b>2016</b> , 79, 865-72	18
1577	Complete genome sequence of <i>Bacillus subtilis</i> BSD-2, a microbial germicide isolated from cultivated cotton. <b>2016</b> , 230, 26-7	13
1576	Bioinformatics for the synthetic biology of natural products: integrating across the Design-Build-Test cycle. <b>2016</b> , 33, 925-32	48
1575	Molecular Characterization of the Cercosporin Biosynthetic Pathway in the Fungal Plant Pathogen <i>Cercospora nicotianae</i> . <b>2016</b> , 138, 4219-28	53
1574	methods for linking genes and secondary metabolites: The way forward. <b>2016</b> , 1, 80-88	24
1573	Synchronous intramolecular cycloadditions of the polyene macrolactam polyketide heronamide C. <b>2016</b> , 52, 6383-6	21
1572	A Peptidyl-Transesterifying Type I Thioesterase in Salinamide Biosynthesis. <b>2016</b> , 128, 372-375	8
1571	An Efficient Method To Generate Gene Deletion Mutants of the Rapamycin-Producing Bacterium <i>Streptomyces iranensis</i> HM 35. <b>2016</b> , 82, 3481-3492	6
1570	Metabolic engineering with systems biology tools to optimize production of prokaryotic secondary metabolites. <b>2016</b> , 33, 933-41	37
1569	Biosynthesis of therapeutic natural products using synthetic biology. <b>2016</b> , 105, 96-106	36
1568	Complete genome sequence of <i>Pseudomonas azotoformans</i> S4, a potential biocontrol bacterium. <b>2016</b> , 227, 25-26	9
1567	Complete Genome Sequence of <i>Streptomyces venezuelae</i> ATCC 15439, Producer of the Methymycin/Pikromycin Family of Macrolide Antibiotics, Using PacBio Technology. <b>2016</b> , 4,	9
1566	Draft Genome Sequence of <i>Shewanella</i> sp. Strain P1-14-1, a Bacterial Inducer of Settlement and Morphogenesis in Larvae of the Marine Hydroid <i>Hydractinia echinata</i> . <b>2016</b> , 4,	4
1565	The Recipe for Protein Sequence-Based Function Prediction and Its Implementation in the ANNOTATOR Software Environment. <b>2016</b> , 1415, 477-506	12
1564	Identification of a Polyketide Synthase Involved in Sorbicillin Biosynthesis by <i>Penicillium chrysogenum</i> . <b>2016</b> , 82, 3971-3978	45
1563	Burkholderia: an update on taxonomy and biotechnological potential as antibiotic producers. <b>2016</b> , 100, 5215-29	145
1562	Complete genome sequencing and comparative analyses of broad-spectrum antimicrobial-producing <i>Micromonospora</i> sp. HK10. <b>2016</b> , 594, 97-107	7
1561	Familiar Stranger: Ecological Genomics of the Model Saprotroph and Industrial Enzyme Producer <i>Trichoderma reesei</i> Breaks the Stereotypes. <b>2016</b> , 95, 69-147	35

1560	Noncontiguous finished genome sequence and description of <i>Murdochiella massiliensis</i> strain SIT12 sp. nov. <b>2016</b> , 14, 31-5	3
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1558	Conjugative DNA-transfer in <i>Streptomyces</i> , a mycelial organism. <b>2016</b> , 87-88, 1-9	18
1557	Polyketide and nonribosomal peptide retro-biosynthesis and global gene cluster matching. <b>2016</b> , 12, 1007-1014	92
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1554	Draft Genome Sequence of the Deep-Sea Ascomycetous Filamentous Fungus <i>Cadophora malorum</i> Mo12 from the Mid-Atlantic Ridge Reveals Its Biotechnological Potential. <b>2016</b> , 4,	9
1553	Complete genome sequence of <i>Bacillus amyloliquefaciens</i> subsp. <i>plantarum</i> S499, a rhizobacterium that triggers plant defences and inhibits fungal phytopathogens. <b>2016</b> , 238, 56-59	21
1552	Structural Analysis of Natural Products. <b>2016</b> , 88, 10338-10346	37
1551	Antibiotic drug discovery. <b>2016</b> , 9, 541-8	80
1550	Comparative Profiling and Discovery of Novel Glycosylated Mycosporine-Like Amino Acids in Two Strains of the Cyanobacterium <i>Scytonema</i> cf. <i>crispum</i> . <b>2016</b> , 82, 5951-9	34
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1546	A hybrid polyketide-nonribosomal peptide in nematodes that promotes larval survival. <b>2016</b> , 12, 770-2	31
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1544	<i>Burkholderia</i> genome mining for nonribosomal peptide synthetases reveals a great potential for novel siderophores and lipopeptides synthesis. <b>2016</b> , 5, 512-26	56
1543	Nonribosomal peptide synthetase with a unique iterative-alternative-optional mechanism catalyzes amonabactin synthesis in <i>Aeromonas</i> . <b>2016</b> , 100, 8453-63	9

1542	Genome mining unveils widespread natural product biosynthetic capacity in human oral microbe <i>Streptococcus mutans</i> . <b>2016</b> , 6, 37479	38
1541	<i>Bacillus mojavensis</i> RRC101 Lipopeptides Provoke Physiological and Metabolic Changes During Antagonism Against <i>Fusarium verticillioides</i> . <b>2016</b> , 29, 713-723	27
1540	Biologically Active Secondary Metabolites from the Fungi. <b>2016</b> , 4,	116
1539	SYNBIOCHEM Synthetic Biology Research Centre, Manchester - A UK foundry for fine and speciality chemicals production. <b>2016</b> , 1, 271-275	5
1538	Phylogenomic Analysis of Natural Products Biosynthetic Gene Clusters Allows Discovery of Arseno-Organic Metabolites in Model Streptomyces. <b>2016</b> , 8, 1906-16	73
1537	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain PTY08712, Isolated from <i>Styela canopus</i> , a Panamanian Tunicate. <b>2016</b> , 4,	1
1536	Deciphering bioactive peptides and their action mechanisms through proteomics. <b>2016</b> , 13, 1007-1016	2
1535	COMAN: a web server for comprehensive metatranscriptomics analysis. <b>2016</b> , 17, 622	26
1534	Complete Genome Sequence of <i>Lactobacillus oris</i> J-1, a Potential Probiotic Isolated from the Human Oral Microbiome. <b>2016</b> , 4,	1
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1532	Human commensals producing a novel antibiotic impair pathogen colonization. <b>2016</b> , 535, 511-6	463
1531	Native and engineered promoters in natural product discovery. <b>2016</b> , 33, 1006-19	69
1530	Draft Genome Sequence of <i>Nocardia jinanensis</i> , an Opportunistic Bacterial Pathogen That Causes Cellulitis. <b>2016</b> , 4,	2
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1527	Isolation, Structure Elucidation, and (Bio)Synthesis of Haprolid, a Cell-Type-Specific Myxobacterial Cytotoxin. <b>2016</b> , 55, 10113-7	18
1526	Isolierung, Strukturaufklärung und (Bio-)Synthese von Haprolid, einem zellspezifisch zytotoxischen myxobakteriellen Makrolidnaturstoff. <b>2016</b> , 128, 10267-10271	5
1525	Genome-sequence analysis of <i>Acinetobacter johnsonii</i> MB44 reveals potential nematode-virulent factors. <b>2016</b> , 5, 986	12

1524	Nematicidal Key Precursors for the Biosynthesis of Morphological Regulatory Arthrosporols in the Nematode-Trapping Fungus <i>Arthrotrrys oligospora</i> . <b>2016</b> , 64, 7949-7956	10
1523	What Lies Within: The Human Body Might Well Be One of the Best Sources for New Antibiotics. <b>2016</b> , 7, 16-19	
1522	Discovery of MRSA active antibiotics using primary sequence from the human microbiome. <b>2016</b> , 12, 1004-1006	97
1521	Identification and classification of known and putative antimicrobial compounds produced by a wide variety of Bacillales species. <b>2016</b> , 17, 882	90
1520	Biosynthetic Pathway Connects Cryptic Ribosomally Synthesized Posttranslationally Modified Peptide Genes with Pyrroloquinoline Alkaloids. <b>2016</b> , 23, 1504-1514	33
1519	Draft Genome Sequence of Phytopathogenic Fungus <i>Fusarium proliferatum</i> [corrected] CF-295141, Isolated from <i>Pinus sylvestris</i> . <b>2016</b> , 4,	1
1518	<i>Penicillium arizonense</i> , a new, genome sequenced fungal species, reveals a high chemical diversity in secreted metabolites. <b>2016</b> , 6, 35112	26
1517	Secondary metabolite arsenal of an opportunistic pathogenic fungus. <b>2016</b> , 371,	54
1516	Complete Genome Sequence of <i>Serratia marcescens</i> U36365, a Green Pigment-Producing Strain Isolated from a Patient with Urinary Tract Infection. <b>2016</b> , 4,	4
1515	Sequencing and functional annotation of the whole genome of the filamentous fungus <i>Aspergillus westerdijkiae</i> . <b>2016</b> , 17, 633	28
1514	Draft genome sequence of a sponge-derived <i>Brevibacillus</i> sp. TP-B0800, a producer of ulbactins with tumor cell migration inhibitory activity. <b>2016</b> , 5, 140-143	1
1513	Draft Genome Sequence of Marine-Derived <i>Bacillus subtilis</i> TP-B0611, a Producer of Bacilosarcins and Amicoumacins. <b>2016</b> , 4,	3
1512	Targeting Reactive Carbonyls for Identifying Natural Products and Their Biosynthetic Origins. <b>2016</b> , 138, 15157-15166	31
1511	Secondary metabolite gene clusters in the entomopathogen fungus <i>Metarhizium anisopliae</i> : genome identification and patterns of expression in a cuticle infection model. <b>2016</b> , 17, 736	23
1510	Complete Genome Sequence of <i>Streptomyces parvulus</i> 2297, Integrating Site-Specifically with Actinophage R4. <b>2016</b> , 4,	2
1509	Genome Sequencing and Evolutionary Analysis of Marine Gut Fungus <i>Aspergillus</i> sp. Z5 from <i>Ligia oceanica</i> . <b>2016</b> , 12, 1-4	3
1508	Draft Genome Sequence of <i>Streptomyces</i> sp. AVP053U2 Isolated from <i>Styela clava</i> , a Tunicate Collected in Long Island Sound. <b>2016</b> , 4,	1
1507	Draft Whole-Genome Sequence of the Type Strain <i>Bacillus horikoshii</i> DSM 8719. <b>2016</b> , 4,	1

1506	Complete Genome Sequence of the Filamentous Fungus <i>Aspergillus westerdijkiae</i> Reveals the Putative Biosynthetic Gene Cluster of Ochratoxin A. <b>2016</b> , 4,	7
1505	Comparative genomics of <i>Beauveria bassiana</i> : uncovering signatures of virulence against mosquitoes. <b>2016</b> , 17, 986	22
1504	Complete genome sequence of the actinomycete type strain HPA 177 isolated from a marine sponge. <b>2016</b> , 11, 91	3
1503	Draft genome sequence of the marine strain O3.65, cultivated from oil-polluted seawater of the Deepwater Horizon oil spill. <b>2016</b> , 11, 81	9
1502	Draft Genome Sequence of <i>Staphylococcus succinus</i> Strain CSM-77, a Moderately Halophilic Bacterium Isolated from a Triassic Salt Mine. <b>2016</b> , 4,	2
1501	Astellifadiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. <b>2016</b> , 128, 5879-5882	43
1500	Genome Sequence of <i>Serratia plymuthica</i> A153, a Model Rhizobacterium for the Investigation of the Synthesis and Regulation of Haterumalides, Zeamine, and Andrimid. <b>2016</b> , 4,	12
1499	Metagenomics as a Tool for Biodiscovery and Enhanced Production of Marine Bioactives. <b>2016</b> , 377-400	
1498	Marine Fungi. <b>2016</b> , 99-153	5
1497	Old dogs and new tricks in antimicrobial discovery. <b>2016</b> , 33, 25-34	12
1496	The evolution of genome mining in microbes - a review. <b>2016</b> , 33, 988-1005	371
1495	Computational genomic identification and functional reconstitution of plant natural product biosynthetic pathways. <b>2016</b> , 33, 951-62	59
1494	Noncontiguous finished genome sequence and description of <i>Enterococcus massiliensis</i> sp. nov. <b>2016</b> , 12, 90-5	3
1493	Whole genome sequencing for deciphering the resistome of <i>Chryseobacterium indologenes</i> , an emerging multidrug-resistant bacterium isolated from a cystic fibrosis patient in Marseille, France. <b>2016</b> , 12, 35-42	14
1492	Informatic analysis reveals as a source of novel natural products. <b>2016</b> , 1, 130-136	7
1491	Norine: A powerful resource for novel nonribosomal peptide discovery. <b>2016</b> , 1, 89-94	20
1490	Genome sequence of <i>Shimia</i> str. SK013, a representative of the <i>Roseobacter</i> group isolated from marine sediment. <b>2016</b> , 11, 25	4
1489	<i>Bacillus velezensis</i> RC 218 as a biocontrol agent to reduce <i>Fusarium</i> head blight and deoxynivalenol accumulation: Genome sequencing and secondary metabolite cluster profiles. <b>2016</b> , 192, 30-36	102

1488	Norine, the knowledgebase dedicated to non-ribosomal peptides, is now open to crowdsourcing. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, D1113-8	20.1	40
1487	Complete genome sequence of a psychotrophic <i>Pseudarthrobacter sulfonivorans</i> strain Ar51 (CGMCC 4.7316), a novel crude oil and multi benzene compounds degradation strain. <b>2016</b> , 231, 81-82		15
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1485	Fungal biodiversity to biotechnology. <b>2016</b> , 100, 2567-77		40
1484	Computational strategies for genome-based natural product discovery and engineering in fungi. <b>2016</b> , 89, 29-36		48
1483	New Insights into the Biosynthetic Logic of Ribosomally Synthesized and Post-translationally Modified Peptide Natural Products. <b>2016</b> , 23, 31-44		186
1482	Resolving the Complexity of Human Skin Metagenomes Using Single-Molecule Sequencing. <b>2016</b> , 7, e01948-15	52	
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1480	Integration of Molecular Networking and In-Silico MS/MS Fragmentation for Natural Products Dereplication. <b>2016</b> , 88, 3317-23		213
1479	Complete genome sequence of <i>Streptomyces globisporus</i> C-1027, the producer of an enediyne antibiotic lidamycin. <b>2016</b> , 222, 9-10		14
1478	Complete genome sequence of <i>Clostridium butyricum</i> JKY6D1 isolated from the pit mud of a Chinese flavor liquor-making factory. <b>2016</b> , 220, 23-4		20
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1476	Combinatorial Lanthipeptides from a Ruminant Bacterium. <b>2016</b> , 23, 204-205		
1475	Complete genome sequence of antibiotic and anticancer agent violacein producing <i>Massilia</i> sp. strain NR 4-1. <b>2016</b> , 223, 36-7		18
1474	Complete genome sequence of <i>Streptomyces reticuli</i> , an efficient degrader of crystalline cellulose. <b>2016</b> , 222, 13-4		13
1473	Harnessing natural product assembly lines: structure, promiscuity, and engineering. <b>2016</b> , 43, 371-87		21
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1471	The secondary metabolite bioinformatics portal: Computational tools to facilitate synthetic biology of secondary metabolite production. <b>2016</b> , 1, 69-79		119

1470	Assembly and clustering of natural antibiotics guides target identification. <b>2016</b> , 12, 233-9	65
1469	Nonribosomal Peptide and Polyketide Biosynthesis. <b>2016</b> ,	0
1468	Characterization and engineering of the biosynthesis gene cluster for antitumor macrolides PM100117 and PM100118 from a marine actinobacteria: generation of a novel improved derivative. <b>2016</b> , 15, 44	21
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1465	Identification of the non-ribosomal peptide synthetase responsible for biosynthesis of the potential anti-cancer drug sansalvamide in <i>Fusarium solani</i> . <b>2016</b> , 62, 799-807	17
1464	Recent advances in engineering nonribosomal peptide assembly lines. <b>2016</b> , 33, 317-47	157
1463	Biosynthesis of polyketides by trans-AT polyketide synthases. <b>2016</b> , 33, 231-316	205
1462	Natural product discovery: past, present, and future. <b>2016</b> , 43, 155-76	479
1461	Stereocontrol within polyketide assembly lines. <b>2016</b> , 33, 141-9	62
1460	Strain-level diversity of secondary metabolism in the biocontrol species <i>Aneurinibacillus migulanus</i> . <b>2016</b> , 182, 116-24	22
1459	Exploiting the genome sequence of <i>Streptomyces nodosus</i> for enhanced antibiotic production. <b>2016</b> , 100, 1285-1295	15
1458	Dereplication, sequencing and identification of peptidic natural products: from genome mining to peptidogenomics to spectral networks. <b>2016</b> , 33, 73-86	54
1457	Identification and activation of novel biosynthetic gene clusters by genome mining in the kirromycin producer <i>Streptomyces collinus</i> T <sub>B</sub> 65. <b>2016</b> , 43, 277-91	30
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1454	MicroScope in 2017: an expanding and evolving integrated resource for community expertise of microbial genomes. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D517-D528	20.1 133
1453	Current state of purification, isolation and analysis of bacteriocins produced by lactic acid bacteria. <b>2017</b> , 101, 1323-1335	49

1452	Multiplexed site-specific genome engineering for overproducing bioactive secondary metabolites in actinomycetes. <b>2017</b> , 40, 80-92	62
1451	Mechanistic Understanding of Lanthipeptide Biosynthetic Enzymes. <b>2017</b> , 117, 5457-5520	224
1450	Biosynthesis of the Antibiotic Nematophin and Its Elongated Derivatives in Entomopathogenic Bacteria. <b>2017</b> , 19, 806-809	20
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1446	Molecular beacons to identify gifted microbes for genome mining. <b>2017</b> , 70, 639-646	16
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1444	Genomics-Guided Exploitation of Lipopeptide Diversity in Myxobacteria. <b>2017</b> , 12, 779-786	10
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1442	Development of a Biosensor Concept to Detect the Production of Cluster-Specific Secondary Metabolites. <b>2017</b> , 6, 1026-1033	22
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1436	Antibacterial Paramagnetic Quinones from <i>Actinoallomurus</i> . <b>2017</b> , 80, 819-827	8
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1433	Genome Sequence of MSU97, a Plant-Associated Bacterium That Makes Multiple Antibiotics. <b>2017</b> , 5,	8
1432	Genome Sequence of HK171, a Nematicidal Bacterium Isolated from Tomato Roots. <b>2017</b> , 5,	1
1431	Current state and applications of microbial genome-scale metabolic models. <b>2017</b> , 2, 10-18	62
1430	Draft Genome Sequence of 121, a Source of $\beta$ -Glucan and $\beta$ -Fructan Exopolysaccharides. <b>2017</b> , 5,	2
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1423	Using natural products for drug discovery: the impact of the genomics era. <b>2017</b> , 12, 475-487	58
1422	New natural products identified by combined genomics-metabolomics profiling of marine <i>Streptomyces</i> sp. MP131-18. <b>2017</b> , 7, 42382	49
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1418	Draft Genome Sequence of Strain Cbfe23. <b>2017</b> , 5,	2
1417	CRISPR-Cas9 strategy for activation of silent <i>Streptomyces</i> biosynthetic gene clusters. <b>2017</b> ,	164

1416	Mining prokaryotes for antimicrobial compounds: from diversity to function. <b>2017</b> , 41, 417-429	60
1415	The Uncommon Enzymology of Cis-Acyltransferase Assembly Lines. <b>2017</b> , 117, 5334-5366	50
1414	A Global Coexpression Network Approach for Connecting Genes to Specialized Metabolic Pathways in Plants. <b>2017</b> , 29, 944-959	124
1413	One Enzyme, Three Metabolites: <i>Shewanella</i> algae Controls Siderophore Production via the Cellular Substrate Pool. <b>2017</b> , 24, 598-604.e10	35
1412	Genome improvement of the acarbose producer <i>Actinoplanes</i> sp. SE50/110 and annotation refinement based on RNA-seq analysis. <b>2017</b> , 251, 112-123	9
1411	First complete genome sequence of <i>Bacillus glycinifermentans</i> B-27. <b>2017</b> , 257, 187-191	2
1410	Draft Genome Sequence of <i>Microbacterium</i> sp. Strain Alg239_V18, an Actinobacterium Retrieved from the Marine Sponge <i>Spongia</i> sp. <b>2017</b> , 5,	3
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1403	Antibiotic-producing symbionts dynamically transition between plant pathogenicity and insect-defensive mutualism. <b>2017</b> , 8, 15172	94
1402	Imaging mass spectrometry for metabolites: technical progress, multimodal imaging, and biological interactions. <b>2017</b> , 9, e1387	27
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1400	antiSMASH 4.0-improvements in chemistry prediction and gene cluster boundary identification. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, W36-W41	20.1 834
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1397	IMG-ABC: new features for bacterial secondary metabolism analysis and targeted biosynthetic gene cluster discovery in thousands of microbial genomes. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D560-D565	20.1	61
1396	Complete genome sequence of <i>Bacillus velezensis</i> LM2303, a biocontrol strain isolated from the dung of wild yak inhabited Qinghai-Tibet plateau. <b>2017</b> , 251, 124-127		12
1395	The Antibiotic Resistant Target Seeker (ARTS), an exploration engine for antibiotic cluster prioritization and novel drug target discovery. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, W42-W48	20.1	96
1394	The <i>Trichodesmium</i> consortium: conserved heterotrophic co-occurrence and genomic signatures of potential interactions. <b>2017</b> , 11, 1813-1824		38
1393	A Maldii isotopic Approach to Discover Natural Products: Cryptomaldamide, a Hybrid Tripeptide from the Marine Cyanobacterium <i>Moorea</i> producens. <b>2017</b> , 80, 1514-1521		18
1392	Draft Genome Sequence of sp. Strain IB2014011-1, Isolated from sp. Larvae of Lake Baikal. <b>2017</b> , 5,		1
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1389	Genome Sequences for spp. Isolated from Disease-Suppressive Soils and Long-Term Ecological Research Sites. <b>2017</b> , 5,		3
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1387	Description of <i>Chryseobacterium timonianum</i> sp. nov., isolated from a patient with pneumonia. <b>2017</b> , 110, 1121-1132		7
1386	Genomic and phenotypic analyses of <i>Pseudomonas psychrotolerans</i> PRS08-11306 reveal a turnerbactin biosynthesis gene cluster that contributes to nitrogen fixation. <b>2017</b> , 253, 10-13		6
1385	Discovery and Biosynthesis of Gladiolin: A <i>Burkholderia gladioli</i> Antibiotic with Promising Activity against <i>Mycobacterium tuberculosis</i> . <b>2017</b> , 139, 7974-7981		59
1384	Structure and Biosynthesis of Crocagins: Polycyclic Posttranslationally Modified Ribosomal Peptides from <i>Chondromyces crocatus</i> . <b>2017</b> , 56, 7407-7410		20
1383	RiPPMiner: a bioinformatics resource for deciphering chemical structures of RiPPs based on prediction of cleavage and cross-links. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, W80-W88	20.1	66
1382	plantSMASH: automated identification, annotation and expression analysis of plant biosynthetic gene clusters. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, W55-W63	20.1	123
1381	Pyxipyrrolones: Structure Elucidation and Biosynthesis of Cytotoxic Myxobacterial Metabolites. <b>2017</b> , 56, 9614-9618		11

1380	Engineering biological systems using automated biofoundries. <b>2017</b> , 42, 98-108	97
1379	Dissemination of antibiotic resistance genes from antibiotic producers to pathogens. <b>2017</b> , 8, 15784	147
1378	Complete Draft Genome Sequence of the Actinobacterium UTMC102 (DSM 45277), Which Produces Serine Protease. <b>2017</b> , 5,	
1377	Draft Genome Sequence of NF3, an Endophyte Isolated from. <b>2017</b> , 5,	7
1376	Draft Genome Sequence of sp. LEMMY01, a Thermophilic Bacterium Isolated from the Site of a Burning Grass Pile. <b>2017</b> , 5,	2
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1374	Complete Genome Sequence of sp. Sge12, Which Produces Antibacterial and Fungicidal Activities. <b>2017</b> , 5,	
1373	Symbiosis-inspired approaches to antibiotic discovery. <b>2017</b> , 34, 784-814	68
1372	Chemische Struktur und Biosynthese der Crocagine, polycyclischer Peptide ribosomalen Ursprungs aus <i>Chondromyces crocatus</i> . <b>2017</b> , 129, 7513-7517	3
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1369	Genome Sequence of LMG 29738, Isolated from a Water Microcosm. <b>2017</b> , 5,	5
1368	Draft genome sequence of the potato pathogen <i>Rhizoctonia solani</i> AG3-PT isolate Ben3. <b>2017</b> , 199, 1065-10688	
1367	Draft Genome Sequence of Strain GM3FR, an Endophyte Isolated from Aerial Plant Tissues of <i>L.</i> <b>2017</b> , 5,	5
1366	Transcriptome analysis of the two unrelated fungal $\beta$ -lactam producers <i>Acremonium chrysogenum</i> and <i>Penicillium chrysogenum</i> : Velvet-regulated genes are major targets during conventional strain improvement programs. <b>2017</b> , 18, 272	13
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1364	Biosynthesis of the pyrrolidine protein synthesis inhibitor anisomycin involves novel gene ensemble and cryptic biosynthetic steps. <b>2017</b> , 114, 4135-4140	16
1363	Calling all hosts: Bacterial communication. <b>2017</b> , 2, 334-358	23

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1180	Increasing on-target cleavage efficiency for CRISPR/Cas9-induced large fragment deletion in <i>Myxococcus xanthus</i> . <b>2017</b> , 16, 142	16
1179	Complete genome sequence of sp. CCB-MM1, a halophile isolated from Matang Mangrove Forest, Malaysia. <b>2017</b> , 12, 36	8
1178	High-quality draft genome sequence of a biofilm forming lignocellulolytic strain ATCC 10864. <b>2017</b> , 12, 37	6
1177	Complete genome sequence of the sand-sediment actinobacterium FR1436. <b>2017</b> , 12, 44	2
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1173	Draft Genome Sequence of Deep-Sea <i>Alteromonas</i> sp. Strain V450 Isolated from the Marine Sponge <i>Leiodermatium</i> sp. <b>2017</b> , 5,	3
1172	Draft Genome Sequence of sp. Strain Cb G35. <b>2017</b> , 5,	6
1171	Genome Sequence of an Endophytic Fungus, JS-169, Which Has Antifungal Activity. <b>2017</b> , 5,	7
1170	BGDMdocker: a Docker workflow for data mining and visualization of bacterial pan-genomes and biosynthetic gene clusters. <b>2017</b> , 5, e3948	4
1169	First Insights into the Genome Sequence of DSM 1045. <b>2017</b> , 5,	3
1168	Chromosome level assembly and secondary metabolite potential of the parasitic fungus <i>Cordyceps militaris</i> . <b>2017</b> , 18, 912	13
1167	Comparative genomic analysis of <i>Brevibacterium</i> strains: insights into key genetic determinants involved in adaptation to the cheese habitat. <b>2017</b> , 18, 955	19
1166	Future directions for the discovery of antibiotics from actinomycete bacteria. <b>2017</b> , 1, 1-12	13
1165	Draft Genome Sequence of the Rhizobacterium PCL1601, Displaying Biocontrol against Soilborne Phytopathogens. <b>2017</b> , 5,	3

1164	Specialized plant biochemistry drives gene clustering in fungi. <b>2018</b> , 12, 1694-1705	11
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1161	Natural Product Diversification Mediated by Alternative Transcriptional Starting. <b>2018</b> , 57, 5699-5702	5
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1159	Genome engineering for microbial natural product discovery. <b>2018</b> , 45, 53-60	20
1158	<i>Planctopirus hydrillae</i> sp. nov., an antibiotic producing Planctomycete isolated from the aquatic plant <i>Hydrilla</i> and its whole genome shotgun sequence analysis. <b>2018</b> , 71, 575-583	10
1157	A Pressure Test to Make 10 Molecules in 90 Days: External Evaluation of Methods to Engineer Biology. <b>2018</b> , 140, 4302-4316	87
1156	Resistance to nonribosomal peptide antibiotics mediated by D-stereospecific peptidases. <b>2018</b> , 14, 381-387	25
1155	Correlating chemical diversity with taxonomic distance for discovery of natural products in myxobacteria. <b>2018</b> , 9, 803	81
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1153	Genome sequencing and analysis of <i>Alcaligenes faecalis</i> subsp. <i>phenolicus</i> MB207. <b>2018</b> , 8, 3616	15
1152	<i>Streptomyces</i> spp. in the biocatalysis toolbox. <b>2018</b> , 102, 3513-3536	25
1151	Discovery and Biosynthesis of the Antibiotic Bicyclomycin in Distantly Related Bacterial Classes. <b>2018</b> , 84,	23
1150	Phylogeny of dermatophytes with genomic character evaluation of clinically distinct and. <b>2018</b> , 89, 153-175	28
1149	Two Types of Threonine-Tagged Lipopeptides Synergize in Host Colonization by Pathogenic <i>Burkholderia</i> Species. <b>2018</b> , 13, 1370-1379	23
1148	Identification and heterologous expression of the actinoallolide biosynthetic gene cluster. <b>2018</b> , 71, 749-752	10
1147	The Role of Iron Competition in the Antagonistic Action of the Rice Endophyte <i>Streptomyces sporocinereus</i> OsiSh-2 Against the Pathogen <i>Magnaporthe oryzae</i> . <b>2018</b> , 76, 1021-1029	18



1146	Genomics-driven discovery of a novel self-resistance mechanism in the echinocandin-producing fungus <i>Pezizula radicicola</i> . <b>2018</b> , 20, 3154-3167	12
1145	Biosynthesis of the 15-Membered Ring Depsipeptide Neoantimycin. <b>2018</b> , 13, 1398-1406	15
1144	Biosynthesis of Tropolones in <i>Streptomyces</i> spp.: Interweaving Biosynthesis and Degradation of Phenylacetic Acid and Hydroxylations on the Tropone Ring. <b>2018</b> , 84,	11
1143	Draft Genome Sequence of the Mercury-Resistant Strain <i>Acinetobacter baumannii</i> I43. <b>2018</b> , 6,	1
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1141	Draft Genome Sequence of the Endophyte Strain GM6LP Isolated from. <b>2018</b> , 6,	5
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1139	Natural Product Diversification Mediated by Alternative Transcriptional Starting. <b>2018</b> , 130, 5801-5804	
1138	Draft Genome Sequence of <i>Bowmanella denitrificans</i> JL63, a Bacterium Isolated from Whiteleg Shrimp ( <i>Litopenaeus vannamei</i> ) That Can Inhibit the Growth of <i>Vibrio parahaemolyticus</i> . <b>2018</b> , 6,	
1137	Genome-based evolutionary history of <i>Pseudomonas</i> spp. <b>2018</b> , 20, 2142-2159	81
1136	An Approach to In Silico Dissection of Bacterial Intelligence Through Selective Genomic Tools. <b>2018</b> , 58, 278-286	4
1135	<i>Geodermatophilus chilensis</i> sp. nov., from soil of the Yungay core-region of the Atacama Desert, Chile. <b>2018</b> , 41, 427-436	16
1134	Draft Genome Sequence of <i>Janthinobacterium</i> sp. Strain ROICE36, a Putative Secondary Metabolite-Synthesizing Bacterium Isolated from Antarctic Snow. <b>2018</b> , 6,	1
1133	Genome sequence of <i>Streptomyces gilvigriseus</i> MUSC 26 isolated from mangrove forest. <b>2018</b> , 49, 207-209	3
1132	Exploration and exploitation of the environment for novel specialized metabolites. <b>2018</b> , 50, 206-213	24
1131	Biosynthesis of Fungal Polyketides. <b>2018</b> , 385-412	7
1130	Recent advances in reconstructing microbial secondary metabolites biosynthesis in <i>Aspergillus</i> spp. <b>2018</b> , 36, 739-783	46
1129	Complete Genome Sequence of CN026 Exhibiting Antagonistic Activity against Gram-Negative Foodborne Pathogens. <b>2018</b> , 6,	6

1128	Genome Analysis of <i>Fimbriiglobus ruber</i> SP5, a Planctomycete with Confirmed Chitinolytic Capability. <b>2018</b> , 84,	35
1127	Living apart together-bacterial volatiles influence methanotrophic growth and activity. <b>2018</b> , 12, 1163-1166	30
1126	From genomics to metabolomics, moving toward an integrated strategy for the discovery of fungal secondary metabolites. <b>2018</b> , 35, 147-173	73
1125	Biosynthesis of the <i>Klebsiella oxytoca</i> Pathogenicity Factor Tilivalline: Heterologous Expression, in Vitro Biosynthesis, and Inhibitor Development. <b>2018</b> , 13, 812-819	21
1124	Panning for gold in mould: can we increase the odds for fungal genome mining?. <b>2018</b> , 16, 1620-1626	16
1123	Complete genome sequence of 157 isolated from with pathogenic bacteria inhibiting and lignocellulolytic enzymes production by SSF. <b>2018</b> , 8, 114	23
1122	Single-bacterial genomics validates rich and varied specialized metabolism of uncultivated sponge symbionts. <b>2018</b> , 115, 1718-1723	45
1121	Plant Growth Promotion and Biocontrol Mediated by Plant-Associated Bacteria. <b>2018</b> , 45-80	11
1120	Selenzyme: enzyme selection tool for pathway design. <b>2018</b> , 34, 2153-2154	41
1119	Draft genome of the fungicidal biological control agent <i>Burkholderia anthina</i> strain XXVI. <b>2018</b> , 200, 803-810	6
1118	Pretransplant Gut Colonization with Intrinsically Vancomycin-Resistant Enterococci ( <i>E. gallinarum</i> and <i>E. casseliflavus</i> ) and Outcomes of Allogeneic Hematopoietic Cell Transplantation. <b>2018</b> , 24, 1260-1263	13
1117	Uncovering behavioural diversity amongst high-strength <i>Pseudomonas</i> spp. surfactants at the limit of liquid surface tension reduction. <b>2018</b> , 365,	1
1116	Isolation and structure determination of a new thiopeptide globimycin from <i>Streptomyces globisporus</i> subsp. <i>globisporus</i> based on genome mining. <b>2018</b> , 59, 409-414	8
1115	Synthetic biology, genome mining, and combinatorial biosynthesis of NRPS-derived antibiotics: a perspective. <b>2018</b> , 45, 635-649	35
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1113	Comparative Genomics Highlights Symbiotic Capacities and High Metabolic Flexibility of the Marine Genus <i>Pseudovibrio</i> . <b>2018</b> , 10, 125-142	13
1112	Genome-based classification of micromonosporae with a focus on their biotechnological and ecological potential. <b>2018</b> , 8, 525	63
1111	Comparative genomic analyses reveal the features for adaptation to nematodes in fungi. <b>2018</b> ,	7

1110	Draft Genome Sequences of UV4 and UV4/95, Toluene Dioxygenase-Expressing Producers of -1,2-Dihydrodiols. <b>2018</b> , 6,	3
1109	Identification and Proposed Relative and Absolute Configurations of Niphimycins C-E from the Marine-Derived <i>Streptomyces</i> sp. IMB7-145 by Genomic Analysis. <b>2018</b> , 81, 178-187	28
1108	<i>Bacillus amyloliquefaciens</i> ssp. <i>plantarum</i> F11 isolated from Algerian salty lake as a source of biosurfactants and bioactive lipopeptides. <b>2018</b> , 365,	6
1107	Extreme sensitivity to ultraviolet light in the fungal pathogen causing white-nose syndrome of bats. <b>2018</b> , 9, 35	31
1106	Photosynthetic Production of Sunscreen Shinorine Using an Engineered Cyanobacterium. <b>2018</b> , 7, 664-671	41
1105	Draft Genome Sequence of sp. Strain JV178, a Producer of Clifednamide-Type Polycyclic Tetramate Macrolactams. <b>2018</b> , 6,	4
1104	Inter-genome comparison of the Quorn fungus <i>Fusarium venenatum</i> and the closely related plant infecting pathogen <i>Fusarium graminearum</i> . <b>2018</b> , 19, 269	15
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1102	Secondary Metabolites: More than Just Aflatoxins. <b>2018</b> , 6, 7-32	19
1101	Genome annotation and comparative genomic analysis of <i>Bacillus subtilis</i> MJ01, a new bio-degradation strain isolated from oil-contaminated soil. <b>2018</b> , 18, 533-543	14
1100	Draft Genome Sequence of a Polymyxin B-Resistant Sequence Type 195 Clinical Isolate of from India. <b>2018</b> , 6,	
1099	Draft Genome Sequence of sp. Strain NCIMB 12038, a Naphthalene-Degrading Bacterium. <b>2018</b> , 6,	1
1098	Self-resistance guided genome mining uncovers new topoisomerase inhibitors from myxobacteria. <b>2018</b> , 9, 4898-4908	56
1097	Stendomycin and Pantomycin Are Identical Natural Products: Preparation of a Functionalized Bioactive Analogue. <b>2018</b> , 83, 7303-7308	3
1096	Identification of <i>Pseudomonas mosselii</i> BS011 gene clusters required for suppression of Rice Blast Fungus <i>Magnaporthe oryzae</i> . <b>2018</b> , 282, 1-9	14
1095	Discovery of Antimicrobial Lipodepsipeptides Produced by a <i>Serratia</i> sp. within Mosquito Microbiomes. <b>2018</b> , 19, 1590-1594	14
1094	Complete genome sequence of <i>Bacillus velezensis</i> QST713: A biocontrol agent that protects <i>Agaricus bisporus</i> crops against the green mould disease. <b>2018</b> , 278, 10-19	38
1093	Draft Genome Sequence of <i>Labrenzia</i> sp. Strain EL143, a Coral-Associated Alphaproteobacterium with Versatile Symbiotic Living Capability and Strong Halogen Degradation Potential. <b>2018</b> , 6,	7

1092	Draft Genome Sequence of <i>Bacillus cereus</i> CITVM-11.1, a Strain Exhibiting Interesting Antifungal Activities. <b>2018</b> , 28, 47-51	2
1091	Draft Genome Sequence of the Endophyte sp. Strain GM2FR Isolated from. <b>2018</b> , 6,	2
1090	Improved Draft Genome Sequence of NIES-298, a Microcystin-Producing Cyanobacterium from Lake Kasumigaura, Japan. <b>2018</b> , 6,	1
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1087	Synergistic activity of cosecreted natural products from amoebae-associated bacteria. <b>2018</b> , 115, 3758-3763	37
1086	Isolation, Structure Elucidation, and Biosynthesis of a Cysteate-Containing Nonribosomal Peptide in <i>Streptomyces lincolnensis</i> . <b>2018</b> , 83, 7102-7108	9
1085	Draft Genome Sequence and Annotation of the Phytopathogenic <i>Ralstonia pickettii</i> (Previously <i>Burkholderia glumae</i> ) Strain ICMP-8657. <b>2018</b> , 6,	2
1084	Direct Pathway Cloning (DiPaC) to unlock natural product biosynthetic potential. <b>2018</b> , 47, 334-345	52
1083	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain DH-12, a Soilborne Isolate from the Thar Desert with Broad-Spectrum Antibacterial Activity. <b>2018</b> , 6,	3
1082	Genome sequence and description of sp. nov., isolated from a human with marasmus in Nigeria. <b>2018</b> , 24, 26-31	
1081	Cultivation and sequencing of rumen microbiome members from the Hungate1000 Collection. <b>2018</b> , 36, 359-367	207
1080	Condition-dependent co-regulation of genomic clusters of virulence factors in the grapevine trunk pathogen <i>Neofusicoccum parvum</i> . <b>2018</b> , 19, 21-34	24
1079	Bioinformatics tools for the identification of gene clusters that biosynthesize specialized metabolites. <b>2018</b> , 19, 1022-1034	55
1078	Microbial Culturomics Application for Global Health: Noncontiguous Finished Genome Sequence and Description of <i>Pseudomonas massiliensis</i> Strain CB-1 sp. nov. in Brazil. <b>2018</b> , 22, 164-175	6
1077	ClusterCAD: a computational platform for type I modular polyketide synthase design. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D509-D515	20.1 45
1076	<i>Elainella</i> gen. nov.: a new tropical cyanobacterium characterized using a complex genomic approach. <b>2018</b> , 53, 39-51	12
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1072	Function-related replacement of bacterial siderophore pathways. <b>2018</b> , 12, 320-329	40
1071	Genome sequence of Streptomyces mangrovisoli MUSC 149 isolated from intertidal sediments. <b>2018</b> , 49, 13-15	6
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1069	CRISPR-Cas9 Toolkit for Actinomycete Genome Editing. <b>2018</b> , 1671, 163-184	22
1068	From Axenic to Mixed Cultures: Technological Advances Accelerating a Paradigm Shift in Microbiology. <b>2018</b> , 26, 538-554	60
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1066	Mode of Action and Heterologous Expression of the Natural Product Antibiotic Vancoresmycin. <b>2018</b> , 13, 207-214	30
1065	A novel Chromatiales bacterium is a potential sulfide oxidizer in multiple orders of marine sponges. <b>2018</b> , 20, 800-814	18
1064	A dual role for a polyketide synthase in dynemicin enediyne and anthraquinone biosynthesis. <b>2018</b> , 10, 231-236	37
1063	Phylogeny and genomics of SAUL, an enigmatic bacterial lineage frequently associated with marine sponges. <b>2018</b> , 20, 561-576	18
1062	Toblerols: Cyclopropanol-Containing Polyketide Modulators of Antibiosis in Methylobacteria. <b>2018</b> , 57, 977-981	19
1061	Toblerols: Cyclopropanol-Containing Polyketide Modulators of Antibiosis in Methylobacteria. <b>2018</b> , 130, 989-993	8
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1059	Prodigiosin, Violacein, and Volatile Organic Compounds Produced by Widespread Cutaneous Bacteria of Amphibians Can Inhibit Two Batrachochytrium Fungal Pathogens. <b>2018</b> , 75, 1049-1062	48
1058	Genome modularity and synthetic biology: Engineering systems. <b>2018</b> , 132, 43-51	6
1057	Mining, Isolation and Identification of Siderophore Synthesis Gene from Brevibacillus brevis GZDF3. <b>2018</b> , 14, 200-209	3

1056	Draft Genome Sequence of <i>Burkholderia reimsis</i> BE51, a Plant-Associated Bacterium Isolated from Agricultural Rhizosphere. <b>2018</b> , 7,	3
1055	Genome Sequence of the Oocystin A-Producing Rhizobacterium <i>Serratia plymuthica</i> 4Rx5. <b>2018</b> , 7,	1
1054	Diversity and antimicrobial activities of <i>Streptomyces</i> isolates from Fetzara Lake, north eastern Algeria. <b>2018</b> , 76, 81-95	5
1053	Draft Genome Sequence of the Plant Growth-Promoting Rhizobacterium <i>Pseudomonas protegens</i> Strain BNJ-SS-45, Isolated from Rhizosphere Soil of Wheat ( <i>Triticum aestivum</i> ). <b>2018</b> , 7,	
1052	An inhibitory compound produced by a soil isolate of <i>Rhodococcus</i> has strong activity against the veterinary pathogen <i>R. equi</i> . <b>2018</b> , 13, e0209275	3
1051	Genome Sequencing and Pan-Genome Analysis of 23 Strains Reveal Unexpected Diversity, With Particular Plasticity of Predatory Gene Sets. <b>2018</b> , 9, 3187	40
1050	Draft Genome Sequence of Plant Growth-Promoting <i>Bacillus altitudinis</i> Strain PAE4. <b>2018</b> , 7,	2
1049	Endophytic fungus produces cyclopeptides and plant-related bioactive rotenoids.. <b>2018</b> , 8, 35575-35586	6
1048	Complete Genome Sequence of the Polymyxin E (Colistin)-Producing sp. Strain B-LR. <b>2018</b> , 7,	1
1047	Heterologous Expression of the Nybomycin Gene Cluster from the Marine Strain subsp. NRRL B-24108. <b>2018</b> , 16,	15
1046	Isolation and characterization of <i>Bacillus</i> sp. GFP-2, a novel <i>Bacillus</i> strain with antimicrobial activities, from Whitespotted bamboo shark intestine. <b>2018</b> , 8, 84	8
1045	Controlling aflatoxin contamination and propagation of <i>Aspergillus flavus</i> by a soy-fermenting <i>Aspergillus oryzae</i> strain. <b>2018</b> , 8, 16871	37
1044	Genome Analysis of Strain L81 Isolated from a Deep-Sea Hydrothermal Vent System. <b>2018</b> , 6,	7
1043	Genome Sequence of the Extremely Acidophilic Fungus <i>Acidomyces richmondensis</i> FRIK2901. <b>2018</b> , 7,	2
1042	Species-Wide Genome Mining of <i>Pseudomonas putida</i> for Potential Secondary Metabolites and Drug-Like Natural Products Characterization. <b>2018</b> , 11,	7
1041	Re-programming of <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> gene expression during early stages of infection of kiwifruit. <b>2018</b> , 19, 822	21
1040	Comparative Analyses of Cytochrome P450s and Those Associated with Secondary Metabolism in Species. <b>2018</b> , 19,	13
1039	Draft Genome Sequence of the Putative Marine Pathogen <i>Aquimarina</i> sp. Strain I32.4. <b>2018</b> , 6,	4

1038	Draft genome sequence of subsp. strain Fito_F321, an endophyte microorganism from with biocontrol potential. <b>2018</b> , 13, 30	10
1037	The gill-associated microbiome is the main source of wood plant polysaccharide hydrolases and secondary metabolite gene clusters in the mangrove shipworm <i>Neoteredo reynei</i> . <b>2018</b> , 13, e0200437	13
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1035	Coculture of Marine sp. With sp. Produces a New Piperazic Acid-Bearing Cyclic Peptide. <b>2018</b> , 6, 498	26
1034	Complete genome sequence of the nitrogen-fixing bacterium type strain SgZ-5. <b>2018</b> , 13, 28	2
1033	Draft Genome Sequences of <i>Enterococcus mundtii</i> Strains Isolated from Beef Slaughterhouses in Kenya. <b>2018</b> , 6,	
1032	Marine Sponges as Hot Spots: Genomic Insights and High-Resolution Visualization of an Abundant and Diverse Symbiotic Clade. <b>2018</b> , 3,	35
1031	Draft Genome Sequence of the Plant Growth-Promoting <i>Sphingobium</i> sp. Strain AEW4, Isolated from the Rhizosphere of the Beachgrass <i>Ammophila breviligulata</i> . <b>2018</b> , 6,	4
1030	Complete Genome Sequencing of the Mouse Intestinal Isolate <i>Escherichia coli</i> Mt1B1. <b>2018</b> , 6,	2
1029	Reincarnation of Bacteriocins From the Pangenomic Graveyard. <b>2018</b> , 9, 1298	11
1028	Draft Genome Sequence of the Fungus (Strain LaBioMMi 136), a Plant Endophyte from. <b>2018</b> , 7,	7
1027	First Insights into the Draft Genome Sequence of the Endophyte Strain GM1FR, Isolated from <i>L.</i> <b>2018</b> , 6,	2
1026	Wild bees and their nests host <i>Paenibacillus</i> bacteria with functional potential of avail. <b>2018</b> , 6, 229	14
1025	Biosynthesis of Quinolidomicin, the Largest Known Macrolide of Terrestrial Origin: Identification and Heterologous Expression of a Biosynthetic Gene Cluster over 200 kb. <b>2018</b> , 20, 7996-7999	21
1024	Purification, Characterization and Evaluation of Polymyxin A From : An Underexplored Member of the Polymyxin Family. <b>2018</b> , 9, 2864	7
1023	Uncovering complex microbiome activities via metatranscriptomics during 24 hours of oral biofilm assembly and maturation. <b>2018</b> , 6, 217	19
1022	Genome Sequences of Actinobacteria from Extreme Environments in Colombia. <b>2018</b> , 7,	3
1021	Complete genome sequence of SM1504, a cytophagaceae bacterium isolated from Arctic surface seawater. <b>2018</b> , 13, 33	2

1020	Bioactive Secondary Metabolites from Octocoral-Associated Microbes-New Chances for Blue Growth. <b>2018</b> , 16,	42
1019	High throughput in situ metagenomic measurement of bacterial replication at ultra-low sequencing coverage. <b>2018</b> , 9, 4956	49
1018	Full-length title: NRPPUR database search and in vitro analysis identify an NRPS-PKS biosynthetic gene cluster with a potential antibiotic effect. <b>2018</b> , 19, 463	6
1017	Genome-wide comparison of <i>Corynebacterium diphtheriae</i> isolates from Australia identifies differences in the Pan-genomes between respiratory and cutaneous strains. <b>2018</b> , 19, 869	10
1016	Phenotypic and Genomic Properties of a Novel Deep-Lineage Haloalkaliphilic Member of the Phylum From Soda Lakes Possessing Na-Translocating Proteorhodopsin. <b>2018</b> , 9, 2672	10
1015	Cyclosporine Biosynthesis in Benefits Fungal Adaptation to the Environment. <b>2018</b> , 9,	32
1014	Exploration of the Biosynthetic Potential of the Microbiome. <b>2018</b> , 3,	21
1013	<i>Streptomyces albus</i> yields $\epsilon$ -poly-L-lysine and other products from salt-contaminated glycerol waste. <b>2018</b> , 45, 1083-1090	12
1012	Identification of Putative Novel Class-I Lanthipeptides in Firmicutes: A Combinatorial Analysis Approach Performed on Genome Sequenced Bacteria and a Close Inspection of Z-Geobacillin Lanthipeptide Biosynthesis Gene Cluster of the Thermophilic sp. Strain ZGt-1. <b>2018</b> , 19,	8
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1010	Antibiotics from Deep-Sea Microorganisms: Current Discoveries and Perspectives. <b>2018</b> , 16,	59
1009	Comparative Genomics among Closely Related Strains Revealed Specialized Metabolite Biosynthetic Gene Cluster Diversity. <b>2018</b> , 7,	22
1008	Draft Genome Sequence of <i>Streptomyces cavourensis</i> YBQ59, an Endophytic Producer of Antibiotics Bafilomycin D, Nonactin, Prelactone B, and 5,11-Epoxy-10-Cadinanol. <b>2018</b> , 7,	3
1007	Epigenetic modulations of mycoendophytes for novel bioactive molecules. <b>2018</b> , 16, 663-668	6
1006	Characterisation of pathogen-specific regions and novel effector candidates in <i>Fusarium oxysporum</i> f. sp. <i>cepae</i> . <b>2018</b> , 8, 13530	40
1005	Isolation of Nabscessin C from <i>Nocardia abscessus</i> IFM 10029 and a Study on Biosynthetic Pathway for Nabscessins. <b>2018</b> , 66, 976-982	4
1004	Xanthocidin Derivatives from the Endophytic <i>Streptomyces</i> sp. AcE210 Provide Insight into Xanthocidin Biosynthesis. <b>2018</b> , 19, 2472-2480	3
1003	Studies on the Chemical Diversities of Secondary Metabolites Produced by via the OSMAC Method. <b>2018</b> , 23,	6



1002	Metabolic Engineering and Synthetic Biology. <b>2018</b> , 1102, 81-95	5
1001	Genomic overview of closely related fungi with different <i>Protea</i> host ranges. <b>2018</b> , 122, 1201-1214	0
1000	Draft Genome Sequence of Two Marine <i>Plantactinospora</i> spp. from the Gulf of California. <b>2018</b> , 6,	1
999	Organic Particles: Heterogeneous Hubs for Microbial Interactions in Aquatic Ecosystems. <b>2018</b> , 9, 2569	22
998	Functional analysis of polyketide synthase genes in the biocontrol fungus <i>Clonostachys rosea</i> . <b>2018</b> , 8, 15009	20
997	Genome Structure of the Opportunistic Pathogen ( <i>)</i> and Identification of Putative Virulence Factors. <b>2018</b> , 9, 2553	12
996	Complete Genome Sequences of Three <i>Bacillus amyloliquefaciens</i> Strains That Inhibit the Growth of <i>Listeria monocytogenes</i> . <b>2018</b> , 6,	2
995	Discovery of the actinoplanic acid pathway in reveals a genetically conserved synergism with rapamycin. <b>2018</b> , 293, 19982-19995	5
994	Engineering of the Filamentous Fungus as Cell Factory for Natural Products. <b>2018</b> , 9, 2768	35
993	Genome sequence of the cauliflower mushroom <i>Sparassis crispa</i> (Hanabiratake) and its association with beneficial usage. <b>2018</b> , 8, 16053	14
992	Genomic analysis of the <i>Phalaenopsis</i> pathogen <i>Dickeya</i> sp. PA1, representing the emerging species <i>Dickeya fangzhongdai</i> . <b>2018</b> , 19, 782	10
991	US Immigration Westernizes the Human Gut Microbiome. <b>2018</b> , 175, 962-972.e10	296
990	Draft Genome Sequence of <i>Muricauda</i> sp. Strain K001 Isolated from a Marine Cyanobacterial Culture. <b>2018</b> , 6,	1
989	Isolation by Miniaturized Culture Chip of an Antarctic bacterium sp. with antimicrobial and anthelmintic activity. <b>2018</b> , 20, e00281	3
988	Draft Genome Sequence of the Endophyte Strain GM5LP Isolated from. <b>2018</b> , 6,	1
987	Draft Genome Sequence of a Streptomycete Isolated from Potato Common Scab Lesions in the State of Sinaloa, Mexico. <b>2018</b> , 7,	1
986	Generation of a cluster-free <i>Streptomyces albus</i> chassis strains for improved heterologous expression of secondary metabolite clusters. <b>2018</b> , 49, 316-324	93
985	Differential anti-microbial secondary metabolites in different ESKAPE pathogens explain their adaptation in the hospital setup. <b>2018</b> , 66, 57-65	13

984	Genome mining of <i>Streptomyces xinghaiensis</i> NRRL B-24674 for the discovery of the gene cluster involved in anticomplement activities and detection of novel xiamycin analogs. <b>2018</b> , 102, 9549-9562	5
983	Activation of microbial secondary metabolic pathways: Avenues and challenges. <b>2018</b> , 3, 163-178	78
982	Genome Analysis, Metabolic Potential, and Predatory Capabilities of <i>Herpetosiphon llansteffanense</i> sp. nov. <b>2018</b> , 84,	16
981	Metabolic and Biosynthetic Diversity in Marine Myxobacteria. <b>2018</b> , 16,	18
980	Genome Sequencing Reveals a Large and Diverse Repertoire of Antimicrobial Peptides. <b>2018</b> , 9, 2012	15
979	Enzyme Discovery: Enzyme Selection and Pathway Design. <b>2018</b> , 608, 3-27	1
978	Targeted cloning of a large gene cluster from <i>Lecanicillium</i> genome by Cre/loxP based method. <b>2018</b> , 150, 47-54	3
977	Draft Genome Sequence of the Fungus Strain HWLR35, Isolated from a Wheat Leaf Infected with Leaf Rust (Caused by ). <b>2018</b> , 6,	2
976	Draft Genome Sequences of <i>Streptomyces</i> sp. Strains MH60 and 111WW2. <b>2018</b> , 6,	1
975	Complete Genome Sequence of <i>Ochrobactrum haematophilum</i> FI11154, Isolated from Kunu-Zaki, a Nigerian Millet-Based Fermented Food. <b>2018</b> , 6,	2
974	Novel pathway of 3-hydroxyanthranilic acid formation in limazepine biosynthesis reveals evolutionary relation between phenazines and pyrrolbenzodiazepines. <b>2018</b> , 8, 7810	7
973	An orthogonal system for heterologous expression of actinobacterial lasso peptides in <i>Streptomyces</i> hosts. <b>2018</b> , 8, 8232	20
972	A flavin-dependent halogenase from metagenomic analysis prefers bromination over chlorination. <b>2018</b> , 13, e0196797	40
971	A closely-related clade of globally distributed bloom-forming cyanobacteria within the Nostocales. <b>2018</b> , 77, 93-107	16
970	Genome Sequences of <i>Shewanella baltica</i> and <i>Shewanella morhuae</i> Strains Isolated from the Gastrointestinal Tract of Freshwater Fish. <b>2018</b> , 6,	3
969	Thailandamide, a Fatty Acid Synthesis Antibiotic That Is Coexpressed with a Resistant Target Gene. <b>2018</b> , 62,	11
968	Uncovering production of specialized metabolites by <i>Streptomyces argillaceus</i> : Activation of cryptic biosynthesis gene clusters using nutritional and genetic approaches. <b>2018</b> , 13, e0198145	28
967	Genome of <i>Serratia nematodiphila</i> MB307 offers unique insights into its diverse traits. <b>2018</b> , 61, 469-476	8

966	Draft Genome Sequence of <i>Bacillus altitudinis</i> Lc5, a Biocontrol and Plant Growth-Promoting Endophyte Strain Isolated from Indigenous Black Rice of Manipur. <b>2018</b> , 6,	10
965	De Novo Sequencing of a Genome and Its Associated Comparative Analyses. <b>2018</b> , 2018, 1857170	6
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961	Draft Genome Sequence for the Tree Pathogen <i>Phytophthora plurivora</i> . <b>2018</b> , 10, 2432-2442	13
960	Complete Genome Sequence of <i>Bacillus subtilis</i> Strain MH1, Which Has a High Level of Bacteriocin-Like Activity, Isolated from Soil in Bangladesh. <b>2018</b> , 6,	
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956	Boosting Secondary Metabolite Production and Discovery through the Engineering of Novel Microbial Biosensors. <b>2018</b> , 2018, 7021826	9
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953	Genes to Metabolites and Metabolites to Genes Approaches to Predict Biosynthetic Pathways in Microbes for Natural Product Discovery. <b>2018</b> , 1-16	
952	Analysis and expression of the carotenoid biosynthesis genes from <i>Deinococcus wulumuqiensis</i> R12 in engineered <i>Escherichia coli</i> . <b>2018</b> , 8, 94	11
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947	Complete Genome Sequence of NIES-2481 and Common Genomic Features of Group G. <b>2018</b> , 6, 30-33	9
946	Genomic Attributes of Novel Symbiont <i>Pseudovibrio brasiliensis</i> sp. nov. Isolated From the Sponge <i>Arenosclera brasiliensis</i> . <b>2018</b> , 5,	4
945	Displays an Original Type IV Secretion System in Strains Pathogenic for Bivalve Molluscs. <b>2018</b> , 9, 227	10
944	Recovering Genomics Clusters of Secondary Metabolites from Lakes Using Genome-Resolved Metagenomics. <b>2018</b> , 9, 251	22
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941	Genome Sequence, Assembly and Characterization of Two Strains Used as Biocontrol Agents of Postharvest Diseases. <b>2018</b> , 9, 593	34
940	Comparative Genomic Analysis of spp., Intranuclear Symbionts of Paramecia. <b>2018</b> , 9, 738	13
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936	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating <i>Epiproteobacterium</i> sp. ISTKB. <b>2018</b> , 11, 154	61
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929	Fluostatins M-Q Featuring a 6-5-6-6 Ring Skeleton and High Oxidized A-Rings from Marine Streptomyces sp. PKU-MA00045. <b>2018</b> , 16,	22
928	Microbial Diversity and Toxin Risk in Tropical Freshwater Reservoirs of Cape Verde. <b>2018</b> , 10,	5
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921	The evolution of three siderophore biosynthetic clusters in environmental and host-associating strains of Pantoea. <b>2018</b> , 293, 1453-1467	8
920	Natural biocide cocktails: Combinatorial antibiotic effects of prodigiosin and biosurfactants. <b>2018</b> , 13, e0200940	30
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917	Bioinformatics tools for the discovery of new lipopeptides with biocontrol applications. <b>2018</b> , 152, 993-1001	7
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915	Whole-genome sequencing of Aspergillus tubingensis G131 and overview of its secondary metabolism potential. <b>2018</b> , 19, 200	16
914	Nonribosomal peptides and polyketides of Burkholderia: new compounds potentially implicated in biocontrol and pharmaceuticals. <b>2018</b> , 25, 29794-29807	30
913	Draft Genome Sequence of Loktanella maritima Strain YPC211, a Commensal Bacterium of the American Lobster (Homarus americanus). <b>2018</b> , 6,	2

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910	Biocontrol strain <i>Aspergillus flavus</i> WRRL 1519 has differences in chromosomal organization and an increased number of transposon-like elements compared to other strains. <b>2018</b> , 293, 1507-1522	3
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907	Genome-Based Identification of a Plant-Associated Marine Bacterium as a Rich Natural Product Source. <b>2018</b> , 130, 14727-14731	5
906	Discovery of cationic nonribosomal peptides as Gram-negative antibiotics through global genome mining. <b>2018</b> , 9, 3273	38
905	Struktur, Totalsynthese und Biosynthese der Chloromyxamide: Myxobakterielle Tetrapeptide mit einem ungewöhnlichen 6-Chloromethyl-5-methoxypipicolinsäure-Baustein. <b>2018</b> , 130, 14466-14471	3
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903	In silico exploration of Red Sea <i>Bacillus</i> genomes for natural product biosynthetic gene clusters. <b>2018</b> , 19, 382	11
902	Comparative genomics reveals phylogenetic distribution patterns of secondary metabolites in <i>Amycolatopsis</i> species. <b>2018</b> , 19, 426	66
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897	Identification of Natural Product Biosynthetic Gene Clusters from Bacterial Genomic Data. <b>2018</b> , 1	0
896	Draft Genome Sequence of Plant Growth-Promoting <i>Burkholderia</i> sp. Strain BE12, Isolated from the Rhizosphere of Maize. <b>2018</b> , 6,	4
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894	Draft genome sequence of <i>Rhodococcus erythropolis</i> B7g, a biosurfactant producing actinobacterium. <b>2018</b> , 280, 38-41	11
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892	Accessing Bioactive Natural Products from the Human Microbiome. <b>2018</b> , 23, 725-736	61
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890	Genome mining of <i>Streptomyces scabrisporus</i> NF3 reveals symbiotic features including genes related to plant interactions. <b>2018</b> , 13, e0192618	17
889	Genomic insights into the broad antifungal activity, plant-probiotic properties, and their regulation, in <i>Pseudomonas donghuensis</i> strain SVBP6. <b>2018</b> , 13, e0194088	18
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885	Novel soil bacteria possess diverse genes for secondary metabolite biosynthesis. <b>2018</b> , 558, 440-444	165
884	Genomics of Actinobacteria With a Focus on Natural Product Biosynthetic Genes. <b>2018</b> , 325-335	
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882	Draft Genome Sequence of <i>Microcystis aeruginosa</i> NIES-87, a Bloom-Forming Cyanobacterium from Lake Kasumigaura, Japan. <b>2018</b> , 6,	2
881	Identification of Enzymes Involved in Sesterterpene Biosynthesis in Marine Fungi. <b>2018</b> , 604, 441-498	4
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879	Genome Sequence and Antifungal Activity of Two Niche-Sharing <i>Pseudomonas</i> protegens Related Strains Isolated from Hydroponics. <b>2019</b> , 77, 1025-1035	1
878	Genome Sequencing and Analysis of Strains <i>Bacillus</i> sp. AKBS9 and <i>Acinetobacter</i> sp. AKBS16 for Biosurfactant Production and Bioremediation. <b>2019</b> , 187, 518-530	15
877	The ADEP Biosynthetic Gene Cluster in <i>Streptomyces hawaiiensis</i> NRRL 15010 Reveals an Accessory Gene as a Novel Antibiotic Resistance Factor. <b>2019</b> , 85,	12

876	Hymenobacter oligotrophus sp. nov., isolated from a contaminated agar plate. <b>2019</b> , 112, 1533-1544	1
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870	Genomic and metabolic analysis of Komagataeibacter xylinus DSM 2325 producing bacterial cellulose nanofiber. <b>2019</b> , 116, 3372-3381	23
869	Sarpeptins A and B, Lipopeptides Produced by sp. KO-7888 Overexpressing a Specific SARP Regulator. <b>2019</b> , 82, 2144-2151	5
868	Phenotypic and Genomic Analyses of Burkholderia stabilis Clinical Contamination, Switzerland. <b>2019</b> , 25, 1084-1092	4
867	Perquinoline AII: neuartige bakterielle Tetrahydroisochinoline mit einer bemerkenswerten Biosynthese. <b>2019</b> , 131, 13063-13068	
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862	Effects of Different G-Protein Subunits on Growth, Development and Secondary Metabolism of M7. <b>2019</b> , 10, 1555	10
861	Perquinolines A-C: Unprecedented Bacterial Tetrahydroisoquinolines Involving an Intriguing Biosynthesis. <b>2019</b> , 58, 12930-12934	5
860	New Cyclodepsipeptide Derivatives Revealed by Genome Mining and Molecular Networking. <b>2019</b> , 4, 7785-7790	7
859	Draft Genome Sequences of Three Rhizospheric Plant Growth-Promoting Bacteria. <b>2019</b> , 8,	3



858	Genome sequence of <i>Isaria javanica</i> and comparative genome analysis insights into family S53 peptidase evolution in fungal entomopathogens. <b>2019</b> , 103, 7111-7128	5
857	Genomic Insight into Three Marine sp. Strains from the Gulf of California. <b>2019</b> , 8,	1
856	A metabolomics-guided approach to discover <i>Fusarium graminearum</i> metabolites after removal of a repressive histone modification. <b>2019</b> , 132, 103256	14
855	The lichen symbiosis re-viewed through the genomes of <i>Cladonia grayi</i> and its algal partner <i>Asterochloris glomerata</i> . <b>2019</b> , 20, 605	54
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852	Genomic comparison of <i>Anoxybacillus flavithermus</i> AK1, a thermophilic bacteria, with other strains. <b>2019</b> , 131, 109385	2
851	Genome-Guided Discovery of Pretilactam from ATCC 31565. <b>2019</b> , 24,	3
850	Computer-aided re-engineering of nonribosomal peptide and polyketide biosynthetic assembly lines. <b>2019</b> , 36, 1249-1261	28
849	Bacterial iturins mediate biocontrol activity of <i>Bacillus</i> sp. against postharvest pear fruit-rotting fungi. <b>2019</b> , 167, 501-509	5
848	Whole genome analysis of <i>Aspergillus sojae</i> SMF 134 supports its merits as a starter for soybean fermentation. <b>2019</b> , 57, 874-883	2
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846	Bacterial Metabolites Produced Under Iron Limitation Kill Pinewood Nematode and Attract. <b>2019</b> , 10, 2166	8
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844	Pyonitrins A-D: Chimeric Natural Products Produced by. <b>2019</b> , 141, 17098-17101	11
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840	Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. <b>2019</b> , 366, 606-612	263
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485	A Multi-Omics Characterization of the Natural Product Potential of Tropical Filamentous Marine Cyanobacteria. <b>2021</b> , 19,	6
484	Mining metagenomes for natural product biosynthetic gene clusters: unlocking new potential with ultrafast techniques.	2
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482	Triaging of Culture Conditions for Enhanced Secondary Metabolite Diversity from Different Bacteria. <b>2021</b> , 11,	3
481	Role of Bioinformatics in Biological Sciences. <b>2021</b> , 37-57	1

480	Kill and cure: genomic phylogeny and bioactivity of bacteria capable of pathogenic and beneficial lifestyles. <b>2021</b> , 7,	8
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478	Assessment of BiogeochemicalMineralogical Characteristic and Weathering Indices of Soils Developed on Basaltic Parent Material and Toposequence Under Subhumid Ecosystem. <b>2021</b> , 38, 451-465	0
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363	A computational framework for systematic exploration of biosynthetic diversity from large-scale genomic data.	29
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