

CITATION REPORT

List of articles citing

Complete genome sequence of *Pseudomonas aeruginosa* PAO1, an opportunistic pathogen

DOI: 10.1038/35023079
Nature, 2000, 406, 959-64.

Source: <https://exaly.com/paper-pdf/31438908/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2312	Development of Design Rules for Reliable Antisense RNA Behavior in E. coli.		
2311	Refactoring the EmbdenMeyerhofParnas Pathway as a Whole of Portable GlucoBricks for Implantation of Glycolytic Modules in Gram-Negative Bacteria.		
2310	Decoupling Resource-Coupled Gene Expression in Living Cells.		
2309	Characterization of the Functional Variance in MbtH-like Protein Interactions with a Nonribosomal Peptide Synthetase.		
2308	Development and Characterization of Potent Cyclic Acyldepsipeptide Analogues with Increased Antimicrobial Activity.		
2307	Comparative genomics of Listeria species. 2001 , 294, 849-52		1189
2306	Featured organism: pathogen special: Vibrio cholerae, Pseudomonas aeruginosa and Xylella fastidiosa. 2000 , 17, 307-13		1
2305	Complementing genomics with proteomics: the membrane subproteome of Pseudomonas aeruginosa PAO1. 2000 , 21, 3797-809		179
2304	Sequencing solution: use volunteer annotators organized via Internet. <i>Nature</i> , 2000 , 406, 933	50.4	20
2303	Bacterial genomics. Pump up the versatility. <i>Nature</i> , 2000 , 406, 947-8	50.4	51
2302	Mathematics. The Lorenz attractor exists. <i>Nature</i> , 2000 , 406, 948-9	50.4	158
2301	Microbial genome analysis: insights into virulence, host adaptation and evolution. 2000 , 1, 30-9		92
2300	Genomics. Beyond the book of life. <i>Nature</i> , 2000 , 408, 894-6	50.4	6
2299	Rapid gene inactivation in Pseudomonas aeruginosa. 2000 , 193, 201-5		102
2298	An opportune moment to sequence an opportunistic pathogen. 2000 , 6, 414-5		
2297	Pseudomonas gene chips - a new research tool for cystic fibrosis. 2000 , 5, 55-56		
2296	Pseudomonas gene chips a new research tool for cystic fibrosis. 2000 , 5, S55-S56		

2295	Genome of an opportunist. 2000 , 16, 487	
2294	Proteome analysis of the effect of mucoid conversion on global protein expression in <i>Pseudomonas aeruginosa</i> strain PAO1 shows induction of the disulfide bond isomerase, dsbA. 2000 , 182, 6999-7006	48
2293	High-frequency flp recombinase-mediated inversions of the oriC-containing region of the <i>Pseudomonas aeruginosa</i> genome. 2000 , 182, 7070-4	21
2292	A minimal tiling path cosmid library for functional analysis of the <i>Pseudomonas aeruginosa</i> PAO1 genome. 2000 , 5, 189-203	18
2291	An interactive web-based <i>Pseudomonas aeruginosa</i> genome database: discovery of new genes, pathways and structures. 2000 , 146 (Pt 10), 2351-2364	56
2290	Les secrets d'une bactérie versatile. 2000 , 2000, 11	
2289	Two-component systems in <i>Pseudomonas aeruginosa</i> : why so many?. 2000 , 8, 498-504	200
2288	Genome of an opportunist. 2000 , 8, 497	
2287	Dual role for cytochrome cbb3 oxidase in clinically relevant proteobacteria?. 2000 , 8, 542-3	36
2286	« L'Bauche Du gñome humain. 2000 , 2000, 26-27	1
2285	Molecular determinants of rhizosphere colonization by <i>Pseudomonas</i> . 2001 , 39, 461-90	655
2284	Optimal cases and sites to search for primary microbial agents in Crohn's disease. 2001 , 120, 1066-7	4
2283	Non-coding RNAs: the architects of eukaryotic complexity. 2001 , 2, 986-91	584
2282	Reply. 2001 , 120, 1067	
2281	The process of genome shrinkage in the obligate symbiont <i>Buchnera aphidicola</i> . 2001 , 2, RESEARCH0054	183
2280	Stringent response activates quorum sensing and modulates cell density-dependent gene expression in <i>Pseudomonas aeruginosa</i> . 2001 , 183, 5376-84	169
2279	The cell wall and cell division gene cluster in the Mra operon of <i>Pseudomonas aeruginosa</i> : cloning, production, and purification of active enzymes. 2001 , 21, 393-400	13
2278	Kinetic mechanism and pH dependence of the kinetic parameters of <i>Pseudomonas aeruginosa</i> phosphomannomutase/phosphoglucomutase. 2001 , 396, 111-8	55

2277	An <i>Ochrobactrum anthropi</i> gene conferring paraquat resistance to the heterologous host <i>Escherichia coli</i> . 2001 , 285, 885-90	7
2276	Differential infectivity of two <i>Pseudomonas</i> species and the immune response in the milkweed bug, <i>Oncopeltus fasciatus</i> (Insecta: Hemiptera). 2001 , 78, 135-40	35
2275	Bacterial comparative genomic hybridization: a method for directly identifying lateral gene transfer. 2001 , 312, 1-5	24
2274	The role in flagellar rod assembly of the N-terminal domain of <i>Salmonella</i> FlgJ, a flagellum-specific muramidase. 2001 , 312, 359-69	77
2273	Identification of <i>Caenorhabditis elegans</i> isovaleryl-CoA dehydrogenase and structural comparison with other acyl-CoA dehydrogenases. 2001 , 73, 126-37	10
2272	Iron uptake mechanisms and their regulation in pathogenic bacteria. 2001 , 291, 67-79	186
2271	The coenzyme A-dependent, non- β -oxidation pathway and not direct deacetylation is the major route for ferulic acid degradation in <i>Delftia acidovorans</i> . 2001 , 205, 9-16	2
2270	Gene expressivity is the main factor in dictating the codon usage variation among the genes in <i>Pseudomonas aeruginosa</i> . 2001 , 273, 63-70	93
2269	Analysis of codon usage diversity of bacterial genes with a self-organizing map (SOM): characterization of horizontally transferred genes with emphasis on the <i>E. coli</i> O157 genome. 2001 , 276, 89-99	147
2268	A panel of Tn7-based vectors for insertion of the <i>gfp</i> marker gene or for delivery of cloned DNA into Gram-negative bacteria at a neutral chromosomal site. 2001 , 45, 187-95	212
2267	Genome sequences and evolutionary biology, a two-way interaction. 2001 , 16, 235-242	38
2266	Genes lost and genes found: evolution of bacterial pathogenesis and symbiosis. 2001 , 292, 1096-9	429
2265	Chemo-defence system. 2001 , 324, 97-106	7
2264	Bacterial ABC transporters of amino acids. 2001 , 152, 259-70	99
2263	Bacterial transporters for sulfate and organosulfur compounds. 2001 , 152, 279-90	73
2262	ABC transporter-mediated uptake of iron, siderophores, heme and vitamin B12. 2001 , 152, 291-301	195
2261	Molybdate transport. 2001 , 152, 311-21	116
2260	Genomics and proteomics converge on <i>Helicobacter pylori</i> . 2001 , 4, 237-45	14

2259	Microbial nitrogen cycles: physiology, genomics and applications. 2001 , 4, 307-12	75
2258	Whole genome plasticity in pathogenic bacteria. 2001 , 4, 550-7	152
2257	Lipid chemotaxis and signal transduction in <i>Myxococcus xanthus</i> . 2001 , 9, 126-9	53
2256	Chemotaxis genes, fibrils and PE taxis in <i>Myxococcus xanthus</i> . 2001 , 9, 205	1
2255	Detecting anomalous gene clusters and pathogenicity islands in diverse bacterial genomes. 2001 , 9, 335-43	228
2254	Structure of the ExoS GTPase activating domain. 2001 , 491, 26-9	28
2253	Comparative genomics and bioenergetics. 2001 , 1506, 147-62	42
2252	Thick mucus hypothesis in cystic fibrosis. 2001 , 357, 1204	
2251	Microbial disease in humans: A genomic perspective. 2001 , 6, 243-52	5
2250	Protein secretion and the pathogenesis of bacterial infections. 2001 , 15, 1725-52	163
2249	Biodegradation of aromatic compounds by <i>Escherichia coli</i> . 2001 , 65, 523-69, table of contents	269
2248	Introduction of the <i>phzH</i> gene of <i>Pseudomonas chlororaphis</i> PCL1391 extends the range of biocontrol ability of phenazine-1-carboxylic acid-producing <i>Pseudomonas</i> spp. strains. 2001 , 14, 1006-15	138
2247	Novel macrolide-specific ABC-type efflux transporter in <i>Escherichia coli</i> . 2001 , 183, 5639-44	274
2246	Cross-resistance between triclosan and antibiotics in <i>Pseudomonas aeruginosa</i> is mediated by multidrug efflux pumps: exposure of a susceptible mutant strain to triclosan selects <i>nfxB</i> mutants overexpressing MexCD-OprJ. 2001 , 45, 428-32	316
2245	Functional analysis of genes for biosynthesis of pyocyanin and phenazine-1-carboxamide from <i>Pseudomonas aeruginosa</i> PAO1. 2001 , 183, 6454-65	512
2244	Genome sequence of an industrial microorganism <i>Streptomyces avermitilis</i> : deducing the ability of producing secondary metabolites. 2001 , 98, 12215-20	672
2243	Microbial genomics - new targets, new drugs. 2001 , 5, 465-475	9
2242	Sodium ion cycle in bacterial pathogens: evidence from cross-genome comparisons. 2001 , 65, 353-70, table of contents	187

2241	Molecular analysis of antibiotic resistance gene clusters in vibrio cholerae O139 and O1 SXT constins. 2001 , 45, 2991-3000	245
2240	Complete nucleotide sequence and organization of the atrazine catabolic plasmid pADP-1 from <i>Pseudomonas</i> sp. strain ADP. 2001 , 183, 5684-97	303
2239	In vitro conversion of propionate to pyruvate by <i>Salmonella enterica</i> enzymes: 2-methylcitrate dehydratase (PrpD) and aconitase Enzymes catalyze the conversion of 2-methylcitrate to 2-methylisocitrate. 2001 , 40, 4703-13	66
2238	<i>Pseudomonas aeruginosa</i> PAO1 kills <i>Caenorhabditis elegans</i> by cyanide poisoning. 2001 , 183, 6207-14	345
2237	Protein phosphatases--a phylogenetic perspective. 2001 , 101, 2291-312	68
2236	Comparative analysis of folding and substrate binding sites between regulated hexameric type II citrate synthases and unregulated dimeric type I enzymes. 2001 , 40, 13177-87	42
2235	A novel method to calculate the G+C content of genomic DNA sequences. 2001 , 19, 333-41	38
2234	A physical map of the syringomycin and syringopeptin gene clusters localized to an approximately 145-kb DNA region of <i>Pseudomonas syringae</i> pv. <i>syringae</i> strain B301D. 2001 , 14, 1426-35	38
2233	. 2001 ,	16
2232	Complete nucleotide sequence of the catechol metabolic region of plasmid pTDN1. 2001 , 47, 329-333	14
2231	Bioinformatics: use in bacterial vaccine discovery. 2001 , 31, 636, 638, 640, passim	17
2230	<i>Pseudomonas aeruginosa</i> and a proteomic approach to bacterial pathogenesis. 2001 , 17, 285-93	5
2229	Near-Field Scanning Optical Images of Bacteria. 2001 , 711, 1	
2228	Signal peptide-selection of cDNA cloned directly from the esophageal gland cells of the soybean cyst nematode <i>Heterodera glycines</i> . 2001 , 14, 536-44	134
2227	Increased uptake of putrescine in the rhizosphere inhibits competitive root colonization by <i>Pseudomonas fluorescens</i> strain WCS365. 2001 , 14, 1096-104	78
2226	Microbial Genomics. 2001 , 1196-1203	
2225	?????????????????????????????????????. 2001 , 10, 14-31	
2224	?????????????????????????????????????. 2001 , 75, 863-869	

2223	Cloning, sequence analysis and expression of a gene encoding an organic solvent- and detergent-tolerant cholesterol oxidase of Burkholderia cepacia strain ST-200. 2001 , 57, 146-52	38
2222	The rpoS gene in Pseudomonas syringae is important in surviving exposure to the near-UV in sunlight. 2001 , 43, 374-7	18
2221	Pulmonale Manifestation der Zystischen Fibrose. 2001 , 149, 222-238	4
2220	The branching order and phylogenetic placement of species from completed bacterial genomes, based on conserved indels found in various proteins. 2001 , 4, 187-202	83
2219	The limits to genomic predictions: role of σ in environmental stress survival of Pseudomonas putida. 2001 , 35, 217-221	2
2218	Environmental selection of antibiotic resistance genes. 2001 , 3, 1-9	281
2217	Organization of the genes involved in dimethylglycine and sarcosine degradation in Arthrobacter spp.: implications for glycine betaine catabolism. 2001 , 268, 3390-8	44
2216	Precise amounts of a novel member of a phosphotransferase superfamily are essential for growth and normal morphology in Caulobacter crescentus. 2001 , 39, 679-92	9
2215	Genetic and biochemical analyses of a eukaryotic-like phospholipase D of Pseudomonas aeruginosa suggest horizontal acquisition and a role for persistence in a chronic pulmonary infection model. 2001 , 39, 291-303	74
2214	Identification of a non-haem catalase in Salmonella and its regulation by RpoS (σ S). 2001 , 39, 1533-45	85
2213	A novel feature of the multistep phosphorelay in Escherichia coli: a revised model of the RcsC \rightarrow YojN \rightarrow RcsB signalling pathway implicated in capsular synthesis and swarming behaviour. 2001 , 40, 440-50	174
2212	Cloning and functional characterization of the Pseudomonas aeruginosa rhIC gene that encodes rhamnosyltransferase 2, an enzyme responsible for di-rhamnolipid biosynthesis. 2001 , 40, 708-18	207
2211	The CbrA-CbrB two-component regulatory system controls the utilization of multiple carbon and nitrogen sources in Pseudomonas aeruginosa. 2001 , 40, 917-31	163
2210	Pseudomonas aeruginosa GacA, a factor in multihost virulence, is also essential for biofilm formation. 2001 , 40, 1215-26	195
2209	Identification of the Helicobacter pylori anti- σ 28 factor. 2001 , 41, 477-87	73
2208	Topological and functional characterization of WbpM, an inner membrane UDP-GlcNAc C6 dehydratase essential for lipopolysaccharide biosynthesis in Pseudomonas aeruginosa. 2001 , 41, 1295-310	52
2207	Vectors to express foreign genes and techniques to monitor gene expression in Pseudomonads. 2001 , 12, 439-45	51
2206	Biosynthesis of the orthosomycin antibiotic avilamycin A: deductions from the molecular analysis of the avi biosynthetic gene cluster of Streptomyces viridochromogenes TB7 and production of new antibiotics. 2001 , 8, 569-81	104

2205	<i>Pseudomonas aeruginosa</i> and the in vitro and in vivo biofilm mode of growth. 2001 , 3, 23-35	303
2204	<i>Pseudomonas fluorescens</i> as a potential pathogen: adherence to nerve cells. 2001 , 3, 985-95	46
2203	Analysis of 41 kb of the DNA sequence from the right arm of chromosome II of <i>Schizosaccharomyces pombe</i> . 2001 , 18, 1111-6	3
2202	Symposium summaries. 2001 , 32, 87-108	
2201	Current Awareness on Comparative and Functional Genomics. 2001 , 2, 115-122	78
2200	Gene arrangements and phylogeny in the class Proteobacteria. 2001 , 213, 9-19	19
2199	Complete genome sequence of <i>Caulobacter crescentus</i> . 2001 , 98, 4136-41	436
2198	Computer Analysis of Regulatory Signals in Bacterial Genomes. Fnr Binding Sites. 2001 , 35, 853-861	7
2197	An overview of the genome of <i>Nostoc punctiforme</i> , a multicellular, symbiotic cyanobacterium. 2001 , 70, 85-106	218
2196	Involvement of the twin-arginine translocation system in protein secretion via the type II pathway. 2001 , 20, 6735-41	206
2195	Structure of the EMAPII domain of human aminoacyl-tRNA synthetase complex reveals evolutionary dimer mimicry. 2001 , 20, 570-8	56
2194	Use of representational difference analysis to identify <i>Escherichia coli</i> O157-specific DNA sequences. 2001 , 197, 195-201	9
2193	Contribution of multidrug efflux pumps to multiple antibiotic resistance in veterinary clinical isolates of <i>Pseudomonas aeruginosa</i> . 2001 , 198, 129-34	32
2192	In vitro reconstruction of the biosynthetic pathway of peptidoglycan cytoplasmic precursor in <i>Pseudomonas aeruginosa</i> . 2001 , 201, 229-35	37
2191	Triclosan: a widely used biocide and its link to antibiotics. 2001 , 202, 1-7	326
2190	The coenzyme A-dependent, non-beta-oxidation pathway and not direct deacetylation is the major route for ferulic acid degradation in <i>Delftia acidovorans</i> . 2001 , 205, 9-16	43
2189	The tripartite ATP-independent periplasmic (TRAP) transporters of bacteria and archaea. 2001 , 25, 405-24	116
2188	The limits to genomic predictions: role of sigma(N) in environmental stress survival of <i>Pseudomonas putida</i> . 2001 , 35, 217-221	9

2187	Cystic fibrosis salt/fluid controversy: in the thick of it. 2001 , 7, 888-9	28
2186	A brief on bacterial biofilms. 2001 , 29, 360	17
2185	The bugs of war. <i>Nature</i> , 2001 , 411, 232-5	50.4 33
2184	Gene expression in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature</i> , 2001 , 413, 860-4	50.4 885
2183	Novel hemoglobins to enhance microaerobic growth and substrate utilization in <i>Escherichia coli</i> . 2001 , 17, 798-808	30
2182	FLEXGene repository: from sequenced genomes to gene repositories for high-throughput functional biology and proteomics. 2001 , 118, 155-65	44
2181	Cataloguing life. 2001 , 19, 6	
2180	Phage display for target-based antibacterial drug discovery. 2001 , 6, 721-727	45
2179	Molecular basis of plant growth promotion and biocontrol by rhizobacteria. 2001 , 4, 343-50	721
2178	Complete genomic sequence of <i>Pasteurella multocida</i> , Pm70. 2001 , 98, 3460-5	270
2177	<i>Escherichia coli</i> ykfE ORF gene encodes a potent inhibitor of C-type lysozyme. 2001 , 276, 18437-41	90
2176	Molecular characterization of thermoinduced immunogenic proteins Q1p42 and Hsp15 of <i>Leptospira interrogans</i> . 2001 , 69, 7616-24	48
2175	Molecular characterization and regulation of the aguBA operon, responsible for agmatine utilization in <i>Pseudomonas aeruginosa</i> PAO1. 2001 , 183, 6517-24	61
2174	Role of the Tat transport system in nitrous oxide reductase translocation and cytochrome cd1 biosynthesis in <i>Pseudomonas stutzeri</i> . 2001 , 183, 1663-71	45
2173	Dynamics of a nosocomial outbreak of multidrug-resistant <i>Pseudomonas aeruginosa</i> producing the PER-1 extended-spectrum beta-lactamase. 2001 , 39, 1865-70	64
2172	Type II secretion and pathogenesis. 2001 , 69, 3523-35	265
2171	Epidemic population structure of <i>Pseudomonas aeruginosa</i> : evidence for a clone that is pathogenic to the eye and that has a distinct combination of virulence factors. 2001 , 69, 6284-95	122
2170	Characterization of genes encoding multi-domain proteins in the genome of the filamentous nitrogen-fixing <i>Cyanobacterium anabaena</i> sp. strain PCC 7120. 2001 , 8, 271-84	85

2169	Microbial Genomics. 2001 , 399-404	
2168	<i>Azotobacter vinelandii</i> aldehyde dehydrogenase regulated by sigma(54): role in alcohol catabolism and encystment. 2001 , 183, 6169-74	5
2167	Synthesis and immunochemical characterization of neoglycoproteins containing epitopes of the inner core region of <i>Pseudomonas aeruginosa</i> RNA group I lipopolysaccharide. 2001 , 7, 125-131	7
2166	Lactate stimulation of gonococcal metabolism in media containing glucose: mechanism, impact on pathogenicity, and wider implications for other pathogens. 2001 , 69, 6565-72	34
2165	Chromosomal locus for cadmium resistance in <i>Pseudomonas putida</i> consisting of a cadmium-transporting ATPase and a MerR family response regulator. 2001 , 67, 1437-44	139
2164	Identification of active site residues in <i>Bradyrhizobium japonicum</i> acetyl-CoA synthetase. 2001 , 130, 807-13	6
2163	DNA sequence and mutational analysis of rhizobitoxine biosynthesis genes in <i>Bradyrhizobium elkanii</i> . 2001 , 67, 4999-5009	52
2162	Comparison of the <i>exoS</i> gene and protein expression in soil and clinical isolates of <i>Pseudomonas aeruginosa</i> . 2001 , 69, 2198-210	35
2161	Multidrug efflux pumps: expression patterns and contribution to antibiotic resistance in <i>Pseudomonas aeruginosa</i> biofilms. 2001 , 45, 1761-70	222
2160	QscR, a modulator of quorum-sensing signal synthesis and virulence in <i>Pseudomonas aeruginosa</i> . 2001 , 98, 2752-7	366
2159	A secreted aminopeptidase of <i>Pseudomonas aeruginosa</i> . Identification, primary structure, and relationship to other aminopeptidases. 2001 , 276, 43645-52	54
2158	Identification and characterization of a chitinase antigen from <i>Pseudomonas aeruginosa</i> strain 385. 2001 , 67, 4001-8	31
2157	Phosphorylation of the response regulator CheV is required for adaptation to attractants during <i>Bacillus subtilis</i> chemotaxis. 2001 , 276, 43618-26	67
2156	A genomic island in <i>Pseudomonas aeruginosa</i> carries the determinants of flagellin glycosylation. 2001 , 98, 9342-7	126
2155	Direct observation of extension and retraction of type IV pili. 2001 , 98, 6901-4	454
2154	Analysis of the chromosome sequence of the legume symbiont <i>Sinorhizobium meliloti</i> strain 1021. 2001 , 98, 9877-82	279
2153	<i>Pseudomonas aeruginosa</i> exhibits directed twitching motility up phosphatidylethanolamine gradients. 2001 , 183, 763-7	81
2152	Putative ACP phosphodiesterase gene (<i>acpD</i>) encodes an azoreductase. 2001 , 276, 46394-9	131

2151	Adenoviral augmentation of elafin protects the lung against acute injury mediated by activated neutrophils and bacterial infection. 2001 , 167, 1778-86	81
2150	Evolutionary relationships among virulence-associated histidine kinases. 2001 , 69, 5207-11	33
2149	Detection of simple mutations and polymorphisms in large genomic regions. 2001 , 29, E111	43
2148	Identification of a genomic island present in the majority of pathogenic isolates of <i>Pseudomonas aeruginosa</i> . 2001 , 183, 843-53	106
2147	Adenylate kinase as a virulence factor of <i>Pseudomonas aeruginosa</i> . 2001 , 183, 3345-52	34
2146	Loss of <i>Pseudomonas aeruginosa</i> PhpA aminopeptidase activity results in increased algD transcription. 2001 , 183, 4674-9	24
2145	Construction and analysis of photolyase mutants of <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas syringae</i> : contribution of photoreactivation, nucleotide excision repair, and mutagenic DNA repair to cell survival and mutability following exposure to UV-B radiation. 2001 , 67, 1405-11	35
2144	Differential roles of the <i>Pseudomonas aeruginosa</i> PA14 rpoN gene in pathogenicity in plants, nematodes, insects, and mice. 2001 , 183, 7126-34	106
2143	The unending string. 2001 , 155, 1193-4	
2142	Analysis of a complete library of putative drug transporter genes in <i>Escherichia coli</i> . 2001 , 183, 5803-12	487
2141	The <i>Sinorhizobium meliloti</i> nutrient-deprivation-induced tyrosine degradation gene hmgA is controlled by a novel member of the arsR family of regulatory genes. 2001 , 67, 2641-8	9
2140	<i>Drosophila</i> as a model host for <i>Pseudomonas aeruginosa</i> infection. 2001 , 183, 1466-71	190
2139	Overexpression of the MexEF-OprN multidrug efflux system affects cell-to-cell signaling in <i>Pseudomonas aeruginosa</i> . 2001 , 183, 5213-22	228
2138	General method of rapid Smith/Birnstiel mapping adds for gap closure in shotgun microbial genome sequencing projects: application to <i>Pseudomonas putida</i> KT2440. 2001 , 29, E110	5
2137	Shotgun optical maps of the whole <i>Escherichia coli</i> O157:H7 genome. 2001 , 11, 1584-93	69
2136	Evaluation of a structural model of <i>Pseudomonas aeruginosa</i> outer membrane protein OprM, an efflux component involved in intrinsic antibiotic resistance. 2001 , 183, 367-74	57
2135	Conserved gene cluster at replication origins of the alpha-proteobacteria <i>Caulobacter crescentus</i> and <i>Rickettsia prowazekii</i> . 2001 , 183, 1824-9	25
2134	The essential HupB and HupN proteins of <i>Pseudomonas putida</i> provide redundant and nonspecific DNA-bending functions. 2001 , 276, 16641-8	15

2133	Effects of mutations in the <i>Pseudomonas putida</i> <i>miaA</i> gene: regulation of the <i>trpE</i> and <i>trpGDC</i> operons in <i>P. putida</i> by attenuation. 2001 , 183, 3256-60	9
2132	Cloning and genetic characterization of <i>dca</i> genes required for beta-oxidation of straight-chain dicarboxylic acids in <i>Acinetobacter</i> sp. strain ADP1. 2001 , 67, 4817-27	49
2131	Interaction of the antiactivator FleN with the transcriptional activator FleQ regulates flagellar number in <i>Pseudomonas aeruginosa</i> . 2001 , 183, 6636-44	99
2130	Nonribosomal biosynthesis of microbial chromopeptides. 2001 , 70, 233-89	9
2129	Cross-strain protection against clinical and laboratory strains of <i>Pseudomonas aeruginosa</i> mediated by dendritic cells genetically modified to express CD40 ligand and pulsed with specific strains of <i>Pseudomonas aeruginosa</i> . 2001 , 12, 1251-63	12
2128	Characterization of <i>Pseudomonas aeruginosa</i> chitinase, a gradually secreted protein. 2001 , 183, 7044-52	95
2127	Antimicrobial properties of pyridine-2,6-dithiocarboxylic acid, a metal chelator produced by <i>Pseudomonas</i> spp. 2001 , 67, 3934-42	37
2126	Isolation and sequence analysis of the <i>GlnKamtB1amtB2</i> gene cluster, encoding a PII homologue and two putative ammonium transporters, from <i>Pseudomonas stutzeri</i> A15. 2002 , 13, 67-74	5
2125	Carbonic anhydrase is essential for growth of <i>Ralstonia eutropha</i> at ambient CO ₂ concentrations. 2002 , 184, 5018-26	95
2124	The <i>ybiT</i> gene of <i>Erwinia chrysanthemi</i> codes for a putative ABC transporter and is involved in competitiveness against endophytic bacteria during infection. 2002 , 68, 1624-30	29
2123	A new modified ortho cleavage pathway of 3-chlorocatechol degradation by <i>Rhodococcus opacus</i> 1CP: genetic and biochemical evidence. 2002 , 184, 5282-92	81
2122	FpvA receptor involvement in pyoverdine biosynthesis in <i>Pseudomonas aeruginosa</i> . 2002 , 184, 3268-75	53
2121	From genetic footprinting to antimicrobial drug targets: examples in cofactor biosynthetic pathways. 2002 , 184, 4555-72	227
2120	Identification of differences in genome content among phlD-positive <i>Pseudomonas fluorescens</i> strains by using PCR-based subtractive hybridization. 2002 , 68, 5170-6	37
2119	FtsA mutants of <i>Bacillus subtilis</i> impaired in sporulation. 2002 , 184, 3856-63	17
2118	Regulatory RNA as mediator in GacA/RsmA-dependent global control of exoproduct formation in <i>Pseudomonas fluorescens</i> CHA0. 2002 , 184, 1046-56	295
2117	Functional interaction of region 4 of the extracytoplasmic function sigma factor FecI with the cytoplasmic portion of the FecR transmembrane protein of the <i>Escherichia coli</i> ferric citrate transport system. 2002 , 184, 3704-11	35
2116	tRNomics: analysis of tRNA genes from 50 genomes of Eukarya, Archaea, and Bacteria reveals anticodon-sparing strategies and domain-specific features. 2002 , 8, 1189-232	290

2115	Accumulation of the lipid A precursor UDP-2,3-diacetylglucosamine in an <i>Escherichia coli</i> mutant lacking the <i>lpxH</i> gene. 2002 , 277, 25947-56	55
2114	Glycine betaine transmethylase mutant of <i>Pseudomonas aeruginosa</i> . 2002 , 184, 4301-3	20
2113	Nucleotide sequence and genetic structure of a novel carbaryl hydrolase gene (<i>cehA</i>) from <i>Rhizobium</i> sp. strain AC100. 2002 , 68, 1220-7	69
2112	Advancing the quorum in <i>Pseudomonas aeruginosa</i> : MvaT and the regulation of N-acylhomoserine lactone production and virulence gene expression. 2002 , 184, 2576-86	214
2111	Mutations in <i>Flavobacterium johnsoniae</i> <i>gldF</i> and <i>gldG</i> disrupt gliding motility and interfere with membrane localization of GldA. 2002 , 184, 2370-8	55
2110	Genetic variation at the O-antigen biosynthetic locus in <i>Pseudomonas aeruginosa</i> . 2002 , 184, 3614-22	118
2109	Genomewide identification of <i>Pseudomonas syringae</i> pv. tomato DC3000 promoters controlled by the HrpL alternative sigma factor. 2002 , 99, 2275-80	256
2108	Extrusion of penem antibiotics by multicomponent efflux systems MexAB-OprM, MexCD-OprJ, and MexXY-OprM of <i>Pseudomonas aeruginosa</i> . 2002 , 46, 2696-9	40
2107	Cluster II <i>che</i> genes from <i>Pseudomonas aeruginosa</i> are required for an optimal chemotactic response. 2002 , 184, 4374-83	99
2106	Decreasing the level of ethyl acetate in ethanolic fermentation broths of <i>Escherichia coli</i> KO11 by expression of <i>Pseudomonas putida</i> <i>estZ</i> esterase. 2002 , 68, 2651-9	18
2105	Polyphosphate kinase (PPK2), a potent, polyphosphate-driven generator of GTP. 2002 , 99, 16684-8	110
2104	Flavorubredoxin, an inducible catalyst for nitric oxide reduction and detoxification in <i>Escherichia coli</i> . 2002 , 277, 8172-7	242
2103	Identification of the 2-methylcitrate pathway involved in the catabolism of propionate in the polyhydroxyalkanoate-producing strain <i>Burkholderia sacchari</i> IPT101(T) and analysis of a mutant accumulating a copolyester with higher 3-hydroxyvalerate content. 2002 , 68, 271-9	39
2102	Degradation of aromatics and chloroaromatics by <i>Pseudomonas</i> sp. strain B13: cloning, characterization, and analysis of sequences encoding 3-oxoadipate:succinyl-coenzyme A (CoA) transferase and 3-oxoadipyl-CoA thiolase. 2002 , 184, 216-23	25
2101	EvgA of the two-component signal transduction system modulates production of the <i>yhiUV</i> multidrug transporter in <i>Escherichia coli</i> . 2002 , 184, 2319-23	118
2100	Genetic and phenotypic analysis of <i>Acinetobacter baumannii</i> insertion derivatives generated with a transposome system. 2002 , 68, 6353-60	63
2099	Identification and characterization of an N-acylhomoserine lactone-dependent quorum-sensing system in <i>Pseudomonas putida</i> strain IsoF. 2002 , 68, 6371-82	121
2098	An adenylyl cyclase, <i>CyaA</i> , of <i>Myxococcus xanthus</i> functions in signal transduction during osmotic stress. 2002 , 184, 3578-85	32

2097	The RNA polymerase alpha subunit from <i>Sinorhizobium meliloti</i> can assemble with RNA polymerase subunits from <i>Escherichia coli</i> and function in basal and activated transcription both in vivo and in vitro. 2002 , 184, 3808-14	6
2096	A repressor protein, PhaR, regulates polyhydroxyalkanoate (PHA) synthesis via its direct interaction with PHA. 2002 , 184, 3992-4002	71
2095	Identification of virulence genes in a pathogenic strain of <i>Pseudomonas aeruginosa</i> by representational difference analysis. 2002 , 184, 952-61	81
2094	A complete sequence of the <i>T. tengcongensis</i> genome. 2002 , 12, 689-700	189
2093	A simple alfalfa seedling infection model for <i>Pseudomonas aeruginosa</i> strains associated with cystic fibrosis shows AlgT (sigma-22) and RhlR contribute to pathogenesis. 2002 , 99, 15699-704	65
2092	Use of subtractive hybridization to identify a diagnostic probe for a cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> . 2002 , 40, 4607-11	42
2091	Comparative Genometrics (CG): a database dedicated to biometric comparisons of whole genomes. 2002 , 30, 142-4	31
2090	Genomic analysis of the F3031 Brazilian purpuric fever clone of <i>Haemophilus influenzae</i> biogroup <i>aegyptius</i> by PCR-based subtractive hybridization. 2002 , 70, 2694-9	28
2089	Divergent structure and regulatory mechanism of proline catabolic systems: characterization of the putAP proline catabolic operon of <i>Pseudomonas aeruginosa</i> PAO1 and its regulation by PruR, an AraC/XylS family protein. 2002 , 184, 5633-40	23
2088	Vector design and development of host systems for <i>Pseudomonas</i> . 2001 , 23, 69-81	5
2087	The <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> VF39 gamma-aminobutyrate (GABA) aminotransferase gene (<i>gabT</i>) is induced by GABA and highly expressed in bacteroids. 2002 , 148, 615-623	66
2086	Effect of <i>vfr</i> mutation on global gene expression and catabolite repression control of <i>Pseudomonas aeruginosa</i> . 2002 , 148, 1561-1569	83
2085	Dye-linked D-proline dehydrogenase from hyperthermophilic archaeon <i>Pyrobaculum islandicum</i> is a novel FAD-dependent amino acid dehydrogenase. 2002 , 277, 12861-7	34
2084	Investigating the relationship between genome structure, composition, and ecology in prokaryotes. 2002 , 19, 789-800	11
2083	Characterization of a new efflux pump, MexGHI-OpmD, from <i>Pseudomonas aeruginosa</i> that confers resistance to vanadium. 2002 , 148, 2371-2381	144
2082	Bright lights, abundant operons--fluorescence and genomic technologies advance studies of bacterial locomotion and signal transduction: review of the BLAST meeting, Cuernavaca, Mexico, 14 to 19 January 2001. 2002 , 184, 1-17	23
2081	Two distinct alcohol dehydrogenases participate in butane metabolism by <i>Pseudomonas butanovora</i> . 2002 , 184, 1916-24	38
2080	Structural analysis of conserved base pairs in protein-DNA complexes. 2002 , 30, 1704-11	51

2079	Activation of the <i>Pseudomonas aeruginosa</i> type III secretion system requires an intact pyruvate dehydrogenase aceAB operon. 2002 , 70, 3973-7	77
2078	Ribosylnicotinamide kinase domain of NadR protein: identification and implications in NAD biosynthesis. 2002 , 184, 6906-17	70
2077	Genes from <i>Pseudomonas</i> sp. strain BS involved in the conversion of L-2-amino-Delta(2)-thiazolin-4-carbonic acid to L-cysteine. 2002 , 68, 2179-87	16
2076	<i>Pseudomonas aeruginosa</i> synthesizes phosphatidylcholine by use of the phosphatidylcholine synthase pathway. 2002 , 184, 4792-9	67
2075	Single live cell imaging for real-time monitoring of resistance mechanism in <i>Pseudomonas aeruginosa</i> . 2002 , 7, 576-86	26
2074	EXProt: a database for proteins with an experimentally verified function. 2002 , 30, 50-1	5
2073	Gene islands integrated into tRNA(Gly) genes confer genome diversity on a <i>Pseudomonas aeruginosa</i> clone. 2002 , 184, 6665-80	133
2072	<i>Pseudomonas fluorescens</i> encodes the Crohn's disease-associated I2 sequence and T-cell superantigen. 2002 , 70, 6567-75	105
2071	NADPH-dependent L-sorbose reductase is responsible for L-sorbose assimilation in <i>Gluconobacter suboxydans</i> IFO 3291. 2002 , 184, 861-3	22
2070	Regulation of bacterial drug export systems. 2002 , 66, 671-701, table of contents	304
2069	Characterization and regulation of the gbuA gene, encoding guanidinobutyrase in the arginine dehydrogenase pathway of <i>Pseudomonas aeruginosa</i> PAO1. 2002 , 184, 3377-84	23
2068	The transcriptional regulator AlgR is essential for <i>Pseudomonas aeruginosa</i> pathogenesis. 2002 , 70, 6083-93	59
2067	Analyses of the roles of the three cheA homologs in chemotaxis of <i>Vibrio cholerae</i> . 2002 , 184, 1767-71	70
2066	Molecular cloning and expression of Mn(2+)-dependent sphingomyelinase/hemolysin of an aquatic bacterium, <i>Pseudomonas</i> sp. strain TK4. 2002 , 184, 540-6	17
2065	Bacteriophage HP2 of <i>Haemophilus influenzae</i> . 2002 , 184, 6893-905	29
2064	Siderophore-mediated signaling regulates virulence factor production in <i>Pseudomonasaeruginosa</i> . 2002 , 99, 7072-7	419
2063	Transcriptional activation of the <i>Rhodobacter sphaeroides</i> cytochrome c(2) gene P2 promoter by the response regulator PrrA. 2002 , 184, 390-9	52
2062	Rubredoxins involved in alkane oxidation. 2002 , 184, 1722-32	77

2061	Evolutionary analysis by whole-genome comparisons. 2002 , 184, 2260-72	59
2060	Global genomic analysis of AlgU (sigma(E))-dependent promoters (sigmulon) in <i>Pseudomonas aeruginosa</i> and implications for inflammatory processes in cystic fibrosis. 2002 , 184, 1057-64	90
2059	Mutational analysis of the TonB1 energy coupler of <i>Pseudomonas aeruginosa</i> . 2002 , 184, 1503-13	21
2058	HemK, a class of protein methyl transferase with similarity to DNA methyl transferases, methylates polypeptide chain release factors, and hemK knockout induces defects in translational termination. 2002 , 99, 1473-8	94
2057	The 2-aminoethylphosphonate-specific transaminase of the 2-aminoethylphosphonate degradation pathway. 2002 , 184, 4134-40	36
2056	Characterization of a <i>Legionella pneumophila</i> relA insertion mutant and roles of RelA and RpoS in virulence gene expression. 2002 , 184, 67-75	95
2055	A polyphosphate kinase (PPK2) widely conserved in bacteria. 2002 , 99, 16678-83	166
2054	Targeted photodynamic therapy for infected wounds in mice. 2002 ,	
2053	A signal transfer system through three compartments transduces the plant cell contact-dependent signal controlling <i>Ralstonia solanacearum</i> hrp genes. 2002 , 15, 109-19	87
2052	Static growth of mucoid <i>Pseudomonas aeruginosa</i> selects for non-mucoid variants that have acquired flagellum-dependent motility. 2002 , 148, 3423-3430	42
2051	Towards the pharmacogenomics of cystic fibrosis. 2002 , 3, 75-87	7
2050	The <i>Pseudomonas aeruginosa</i> genome: how do we use it to develop strategies for the treatment of patients with cystic fibrosis and <i>Pseudomonas</i> infections?. 2002 , 8, 547-51	8
2049	Type III protein secretion is associated with poor clinical outcomes in patients with ventilator-associated pneumonia caused by <i>Pseudomonas aeruginosa</i> . 2002 , 30, 521-8	320
2048	Modulation of the reactivity of the essential cysteine residue of betaine aldehyde dehydrogenase from <i>Pseudomonas aeruginosa</i> . 2002 , 361, 577-85	6
2047	Identification of two domains and distal histidine ligands to the four haems in the bacterial c-type cytochrome NapC; the prototype connector between quinol/quinone and periplasmic oxido-reductases. 2002 , 368, 425-32	38
2046	Modulation of the reactivity of the essential cysteine residue of betaine aldehyde dehydrogenase from <i>Pseudomonas aeruginosa</i> . 2002 , 361, 577-585	18
2045	Origin of eukaryotic cell nuclei by symbiosis of Archaea in Bacteria supported by the newly clarified origin of functional genes. 2002 , 77, 369-76	17
2044	Investigating ion channels using computational methods. 2002 , 255-273	0

2043	Gene Expression and Its Regulation. 47-84	2
2042	Processing of heme and heme-containing proteins by bacteria. 2002 , 21, 281-95	111
2041	Isolation of cyanophycin-degrading bacteria, cloning and characterization of an extracellular cyanophycinase gene (cphE) from <i>Pseudomonas anguilliseptica</i> strain BI. The cphE gene from <i>P. anguilliseptica</i> BI encodes a cyanophycinhydrolyzing enzyme. 2002 , 277, 25096-105	47
2040	Direct Measurement of Sizes and Dynamics of Single Living Membrane Transporters Using Nanooptics. 2002 , 2, 175-182	77
2039	Identification of a thiosulfate utilization gene cluster from the green phototrophic bacterium <i>Chlorobium limicola</i> . 2002 , 41, 2932-45	41
2038	The bacterial cell wall as a source of antibacterial targets. 2002 , 6, 1-19	100
2037	Functional analysis of the chitin-binding domain of a family 19 chitinase from <i>Streptomyces griseus</i> HUT6037: substrate-binding affinity and cis-dominant increase of antifungal function. 2002 , 66, 1084-92	63
2036	Integration sites for genetic elements in prokaryotic tRNA and tmRNA genes: sublocation preference of integrase subfamilies. 2002 , 30, 866-75	203
2035	The genome of bacteriophage phiKZ of <i>Pseudomonas aeruginosa</i> . 2002 , 317, 1-19	186
2034	Role and activation of type III secretion system genes in <i>Pseudomonas aeruginosa</i> -induced <i>Drosophila</i> killing. 2002 , 32, 287-95	68
2033	Complete amino acid sequence and characterization of the reaction mechanism of a glucosamine-induced novel alcohol dehydrogenase from <i>Agrobacterium radiobacter</i> (tumefaciens). 2002 , 398, 203-12	2
2032	An experimental validation of orphan genes of <i>Buchnera</i> , a symbiont of aphids. 2002 , 292, 263-7	8
2031	Crystal structure of formaldehyde dehydrogenase from <i>Pseudomonas putida</i> : the structural origin of the tightly bound cofactor in nicotinoprotein dehydrogenases. 2002 , 324, 519-33	49
2030	Allosterism and cooperativity in <i>Pseudomonas aeruginosa</i> GDP-mannose dehydrogenase. 2002 , 41, 9637-45	28
2029	Flagella-driven chemotaxis towards exudate components is an important trait for tomato root colonization by <i>Pseudomonas fluorescens</i> . 2002 , 15, 1173-80	398
2028	Identification of attenuation and antitermination regulation in prokaryotes. 2002 , 3, 1	328
2027	Using orthologous and paralogous proteins to identify specificity determining residues. 2002 , 3, PREPRINT00027	
2026	Identification of host and pathogen factors involved in virulence using <i>Caenorhabditis elegans</i> . 2002 , 358, 13-28	16

2025	ARDS. The future. 2002 , 18, 177-96	7
2024	Functions required for extracellular quinolone signaling by <i>Pseudomonas aeruginosa</i> . 2002 , 184, 6472-80	440
2023	Persistent and aggressive bacteria in the lungs of cystic fibrosis children. 2002 , 61, 81-96	60
2022	Functional analysis of alkane hydroxylases from gram-negative and gram-positive bacteria. 2002 , 184, 1733-42	198
2021	Molecular and spectroscopic analysis of the cytochrome cbb(3) oxidase from <i>Pseudomonas stutzeri</i> . 2002 , 277, 31474-83	27
2020	The MexJK efflux pump of <i>Pseudomonas aeruginosa</i> requires OprM for antibiotic efflux but not for efflux of triclosan. 2002 , 184, 5036-44	159
2019	Autolysis and autoaggregation in <i>Pseudomonas aeruginosa</i> colony morphology mutants. 2002 , 184, 6481-9	340
2018	Complete genome sequence of <i>Clostridium perfringens</i> , an anaerobic flesh-eater. 2002 , 99, 996-1001	588
2017	The promise of structural genomics in the discovery of new antimicrobial agents. 2002 , 8, 1173-88	13
2016	Chromosomally-encoded resistance mechanisms of <i>Pseudomonas aeruginosa</i> : therapeutic implications. 2002 , 2, 235-43	16
2015	Sequence analysis of pLBB1, a cryptic plasmid from <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> . 2002 , 48, 105-12	7
2014	Proteins with class alpha/beta fold have high-level participation in fusion events. 2002 , 320, 713-9	8
2013	Using orthologous and paralogous proteins to identify specificity-determining residues in bacterial transcription factors. 2002 , 321, 7-20	117
2012	Alpha-crystallin-type heat shock proteins: socializing minichaperones in the context of a multichaperone network. 2002 , 66, 64-93; table of contents	425
2011	The extracytoplasmic function (ECF) sigma factors. 2002 , 46, 47-110	538
2010	Alkane biodegradation in <i>Pseudomonas aeruginosa</i> strains isolated from a polluted zone: identification of alkB and alkB-related genes. 2002 , 153, 339-44	54
2009	The <i>Salmonella enterica</i> subspecies I specific centisome 7 genomic island encodes novel protein families present in bacteria living in close contact with eukaryotic cells. 2002 , 153, 537-45	92
2008	Is the number of genes we possess limited by the presence of an adaptive immune system?. 2002 , 23, 351-5	10

2007	Active transport of iron and siderophore antibiotics. 2002 , 5, 194-201	165
2006	Host-microbe interactions: fungi invasive human fungal opportunistic infections. 2002 , 5, 355-8	36
2005	Why are bacteria refractory to antimicrobials?. 2002 , 5, 472-7	119
2004	Pleurotus and Agrocybe hemolysins, new proteins hypothetically involved in fungal fruiting. 2002 , 1570, 153-9	76
2003	Synonymous codon usage in Pseudomonas aeruginosa PA01. 2002 , 289, 131-9	66
2002	Damage-repair error-prone polymerases of eubacteria: association with mobile genome elements. 2002 , 293, 133-40	36
2001	Comparative anatomy of a regulatory ribosomal protein. 2002 , 84, 731-43	5
2000	The pyocins of Pseudomonas aeruginosa. 2002 , 84, 499-510	378
1999	The residue immediately upstream of the RNase P cleavage site is a positive determinant. 2002 , 84, 693-703	37
1998	Function of pseudomonas porins in uptake and efflux. 2002 , 56, 17-38	227
1997	Persistent infections and immunity in cystic fibrosis. 2002 , 7, d442-57	20
1996	Immobilized native bacteria as a tool for bioremediation of soils and waters: implementation and modeling. 2002 , 2, 1361-8	1
1995	Endogenous Antimicrobial MoleculesAn Ecological Perspective. 2002 , 561-584	2
1994	. 2002 ,	93
1993	Rational identification of new antibacterial drug targets that are essential for viability using a genomics-based approach. 2002 , 95, 1-20	49
1992	Denitrifying genes in bacterial and Archaeal genomes. 2002 , 1577, 355-76	358
1991	The FLEXGene repository: exploiting the fruits of the genome projects by creating a needed resource to face the challenges of the post-genomic era. 2002 , 33, 318-24	36
1990	Microbiology: breaking down biofilms. 2002 , 12, R132-4	37

1989	Genome sequencing: and then there were six. 2002 , 12, R294-6	2
1988	A putative iron-regulated TonB-dependent receptor of <i>Mannheimia</i> (<i>Pasteurella</i>) <i>haemolytica</i> A1: possible mechanism for phase variation. 2002 , 84, 53-67	9
1987	Proteomic study of cold shock protein in <i>Bacillus stearothermophilus</i> P1: Comparison of temperature downshifts. 2002 , 2, 1316-24	12
1986	Proteomic comparison of membrane and extracellular proteins from invasive (PAO1) and cytotoxic (6206) strains of <i>Pseudomonas aeruginosa</i> . 2002 , 2, 1325-46	81
1985	Characterization of the urease gene cluster from <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> . 2002 , 177, 290-8	8
1984	The elusive roles of bacterial glutathione S-transferases: new lessons from genomes. 2002 , 58, 138-46	114
1983	Cloning, functional expression and biochemical characterization of a stereoselective alcohol dehydrogenase from <i>Pseudomonas fluorescens</i> DSM50106. 2002 , 59, 483-7	17
1982	Whole genome fingerprinting and genotyping of multiple drug resistant (MDR) isolates of <i>Pseudomonas aeruginosa</i> from endophthalmitis patients in India. 2002 , 1, 237-42	12
1981	A novel type II secretion system in <i>Pseudomonas aeruginosa</i> . 2002 , 43, 475-85	107
1980	The mismatch repair system (<i>mutS</i> , <i>mutL</i> and <i>uvrD</i> genes) in <i>Pseudomonas aeruginosa</i> : molecular characterization of naturally occurring mutants. 2002 , 43, 1641-50	209
1979	<i>Pseudomonas aeruginosa</i> RoxR, a response regulator related to <i>Rhodobacter sphaeroides</i> PrrA, activates expression of the cyanide-insensitive terminal oxidase. 2002 , 45, 755-68	59
1978	Proteomic analysis of the <i>Caulobacter crescentus</i> stalk indicates competence for nutrient uptake. 2002 , 45, 1029-41	56
1977	GeneChip expression analysis of the iron starvation response in <i>Pseudomonas aeruginosa</i> : identification of novel pyoverdine biosynthesis genes. 2002 , 45, 1277-87	339
1976	Iron transport and regulation, cell signalling and genomics: lessons from <i>Escherichia coli</i> and <i>Pseudomonas</i> . 2002 , 45, 1177-90	228
1975	The <i>Yersinia pseudotuberculosis</i> Yut protein, a new type of urea transporter homologous to eukaryotic channels and functionally interchangeable in vitro with the <i>Helicobacter pylori</i> Urel protein. 2002 , 45, 1165-74	28
1974	The multicopper oxidase of <i>Pseudomonas aeruginosa</i> is a ferroxidase with a central role in iron acquisition. 2002 , 45, 1741-50	87
1973	Modulation of pPS10 host range by DnaA. 2002 , 46, 223-34	20
1972	Glycosylation of <i>Pseudomonas aeruginosa</i> 1244 pilin: glycan substrate specificity. 2002 , 46, 519-30	76

1971	Location and activity of members of a family of virPphA homologues in pathovars of <i>Pseudomonas syringae</i> and <i>P. savastanoi</i> . 2002 , 3, 205-16	37
1970	Analysis of the <i>Pseudomonas aeruginosa</i> oprD gene from clinical and environmental isolates. 2002 , 4, 872-82	95
1969	<i>Pseudomonas aeruginosa</i> O-antigen chain length is determined before ligation to lipid A core. 2002 , 4, 883-97	67
1968	The LysR-type regulator SftR is involved in soil survival and sulphate ester metabolism in <i>Pseudomonas putida</i> . 2002 , 4, 225-37	28
1967	Global features of the <i>Pseudomonas putida</i> KT2440 genome sequence. 2002 , 4, 809-18	97
1966	Complete genome sequence and comparative analysis of the metabolically versatile <i>Pseudomonas putida</i> KT2440. 2002 , 4, 799-808	1069
1965	Diversity of siderophore-mediated iron uptake systems in fluorescent pseudomonads: not only pyoverdines. 2002 , 4, 787-98	215
1964	Genomic analysis of the aromatic catabolic pathways from <i>Pseudomonas putida</i> KT2440. 2002 , 4, 824-41	380
1963	Detection of multiple extracytoplasmic function (ECF) sigma factors in the genome of <i>Pseudomonas putida</i> KT2440 and their counterparts in <i>Pseudomonas aeruginosa</i> PA01. 2002 , 4, 842-55	84
1962	Cloning of the manganese lipoxygenase gene reveals homology with the lipoxygenase gene family. 2002 , 269, 2690-7	34
1961	Stimulated biosynthesis of flavins in <i>Photobacterium phosphoreum</i> IFO 13896 and the presence of complete rib operons in two species of luminous bacteria. 2002 , 269, 5851-60	7
1960	The proton donor/acceptor double role of the peptidic group: free jet rotational spectrum and computational study of lactamide. 2002 , 283, 111-118	6
1959	The effects of charge and lipophilicity on the antibacterial activity of undecapeptides derived from bovine lactoferricin. 2002 , 8, 36-43	29
1958	Alginate production by <i>Azotobacter vinelandii</i> mutants altered in poly-beta-hydroxybutyrate and alginate biosynthesis. 2002 , 29, 209-13	18
1957	Genome sequence of the plant pathogen <i>Ralstonia solanacearum</i> . <i>Nature</i> , 2002 , 415, 497-502	50.4 716
1956	Complete genome sequence of the model actinomycete <i>Streptomyces coelicolor</i> A3(2). <i>Nature</i> , 2002 , 417, 141-7	50.4 2513
1955	Genome sequence of the dissimilatory metal ion-reducing bacterium <i>Shewanella oneidensis</i> . 2002 , 20, 1118-23	680
1954	Cloning and characterization of a major surface protein (MspTL) of <i>Treponema lecithinolyticum</i> associated with rapidly progressive periodontitis. 2002 , 207, 185-92	9

1953	Identification of in vivo essential genes from <i>Pseudomonas aeruginosa</i> by PCR-based signature-tagged mutagenesis. 2002 , 210, 73-80	32
1952	A liquid-based method for the assessment of bacterial pathogenicity using the nematode <i>Caenorhabditis elegans</i> . 2002 , 210, 181-5	29
1951	Efflux of chromate by <i>Pseudomonas aeruginosa</i> cells expressing the ChrA protein. 2002 , 212, 249-54	54
1950	Metabolic engineering of <i>Escherichia coli</i> for the production of medium-chain-length polyhydroxyalkanoates rich in specific monomers. 2002 , 214, 217-22	49
1949	Characterization of the GO system of <i>Pseudomonas aeruginosa</i> . 2002 , 217, 31-5	42
1948	Characterization of outer membrane efflux proteins OpmE, OpmD and OpmB of <i>Pseudomonas aeruginosa</i> : molecular cloning and development of specific antisera. 2002 , 217, 57-63	28
1947	Cytochrome cbb(3) oxidase and bacterial microaerobic metabolism. 2002 , 30, 653-8	54
1946	The RNA Polymerase StructureFunction Study (1962-2001). 2002 , 36, 143-152	2
1945	Microbe-plant interactions: principles and mechanisms. 2002 , 81, 373-83	228
1944	Structural and functional characterization of the <i>Pseudomonas</i> hydroperoxide resistance protein Ohr. 2002 , 21, 6649-59	76
1943	Cystic fibrosis in adults: current and future management strategies. 2003 , 25, 275-87	11
1942	Functional characterization of genes involved in alkane oxidation by <i>Pseudomonas aeruginosa</i> . 2003 , 84, 193-200	64
1941	Structural genomics of highly conserved microbial genes of unknown function in search of new antibacterial targets. 2003 , 4, 141-57	52
1940	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. 2003 , 22, 3803-15	1019
1939	The <i>Escherichia fergusonii</i> iucABCD iutA genes are located within a larger chromosomal region similar to pathogenicity Islands. 2003 , 48, 139-47	5
1938	Polymorphism in the yjC-rpoS region of enterobacteria. 2003 , 46, 365-70	11
1937	Genetic organization of genes encoding phenol hydroxylase, benzoate 1,2-dioxygenase alpha subunit and its regulatory proteins in <i>Acinetobacter calcoaceticus</i> PHEA-2. 2003 , 46, 235-40	29
1936	Biochemical and functional characterization of a eukaryotic-type protein kinase, SpkB, in the cyanobacterium, <i>Synechocystis</i> sp. PCC 6803. 2003 , 46, 296-301	36

1935	Secretins of <i>Pseudomonas aeruginosa</i> : large holes in the outer membrane. 2003 , 179, 307-14	51
1934	Transcriptome analysis of the <i>Pseudomonas aeruginosa</i> response to iron. 2003 , 180, 374-9	87
1933	Selective pressure on the allantoicase gene during vertebrate evolution. 2003 , 57, 650-8	7
1932	Characterization and identification of genes essential for dimethyl sulfide utilization in <i>Pseudomonas putida</i> strain DS1. 2003 , 62, 83-91	52
1931	Purification, characterization, and molecular cloning of a novel amine:pyruvate transaminase from <i>Vibrio fluvialis</i> JS17. 2003 , 61, 463-71	123
1930	The 79,370-bp conjugative plasmid pB4 consists of an IncP-1beta backbone loaded with a chromate resistance transposon, the strA-strB streptomycin resistance gene pair, the oxacillinase gene bla(NPS-1), and a tripartite antibiotic efflux system of the resistance-nodulation-division family. 2003 , 218, 570-81	78
1929	Characterization of the ugpG gene encoding a UDP-glucose pyrophosphorylase from the gellan gum producer <i>Sphingomonas paucimobilis</i> ATCC 31461. 2003 , 268, 816-24	19
1928	The DeltafliD mutant of <i>Pseudomonas syringae</i> pv. tabaci, which secretes flagellin monomers, induces a strong hypersensitive reaction (HR) in non-host tomato cells. 2003 , 269, 21-30	72
1927	Identification, molecular cloning and expression of a new esterase from <i>Pseudomonas</i> sp. KCTC 10122BP with enantioselectivity towards racemic ketoprofen ethyl ester. 2003 , 22, 29-35	17
1926	Isolation of the <i>Pseudomonas aeruginosa</i> gene affecting uptake of dibenzothiophene in n-tetradecane. 2003 , 95, 504-511	21
1925	High-throughput screening methods for selecting l-threonine aldolases with improved activity. 2003 , 26, 265-272	16
1924	The role of multidrug efflux pumps in the antibiotic resistance of <i>Pseudomonas aeruginosa</i> and other gram-negative bacteria. Insights from the Society of Infectious Diseases Pharmacists. 2003 , 23, 916-24	106
1923	Ligand-induced conformational changes of betaine aldehyde dehydrogenase from <i>Pseudomonas aeruginosa</i> and <i>Amaranthus hypochondriacus</i> L. leaves affecting the reactivity of the catalytic thiol. 2003 , 143-144, 129-37	8
1922	Monovalent cations requirements for the stability of betaine aldehyde dehydrogenase from <i>Pseudomonas aeruginosa</i> , porcine kidney and amaranth leaves. 2003 , 143-144, 139-48	28
1921	The genome of bacteriophage phiKMV, a T7-like virus infecting <i>Pseudomonas aeruginosa</i> . 2003 , 312, 49-59	106
1920	Insertion sequence-like elements associated with putative polyhydroxybutyrate regulatory genes in <i>Azotobacter</i> sp. FA8. 2003 , 50, 36-44	17
1919	Scaling laws in the functional content of genomes. 2003 , 19, 479-84	235
1918	Analysis of the quorum-sensing regulon of the opportunistic pathogen <i>Burkholderia cepacia</i> H111 by proteomics. 2003 , 24, 740-50	76

1917	Genome size and operon content. 2003 , 221, 401-10	24
1916	Antimicrobial resistance of <i>Pseudomonas aeruginosa</i> biofilms. 2003 , 5, 1213-9	333
1915	<i>Ralstonia metallidurans</i> , a bacterium specifically adapted to toxic metals: towards a catalogue of metal-responsive genes. 2003 , 27, 385-410	337
1914	Regulation cascade of flagellar expression in Gram-negative bacteria. 2003 , 27, 505-23	239
1913	Two phenotypically compensating isocitrate dehydrogenases in <i>Ralstonia eutropha</i> . 2003 , 227, 9-16	17
1912	Uncovering genomic differences in human pathogenic <i>Yersinia enterocolitica</i> . 2003 , 38, 107-11	12
1911	Cationic antimicrobial peptides activate a two-component regulatory system, PmrA-PmrB, that regulates resistance to polymyxin B and cationic antimicrobial peptides in <i>Pseudomonas aeruginosa</i> . 2003 , 50, 205-17	337
1910	A four-tiered transcriptional regulatory circuit controls flagellar biogenesis in <i>Pseudomonas aeruginosa</i> . 2003 , 50, 809-24	317
1909	RsmY, a small regulatory RNA, is required in concert with RsmZ for GacA-dependent expression of biocontrol traits in <i>Pseudomonas fluorescens</i> CHA0. 2003 , 50, 1361-79	168
1908	Modulation of <i>Pseudomonas aeruginosa</i> gene expression by host microflora through interspecies communication. 2003 , 50, 1477-91	377
1907	Genes involved in matrix formation in <i>Pseudomonas aeruginosa</i> PA14 biofilms. 2004 , 51, 675-90	511
1906	A bacterial cell-cell communication signal with cross-kingdom structural analogues. 2004 , 51, 903-12	337
1905	Genes encoding a cellulosic polymer contribute toward the ecological success of <i>Pseudomonas fluorescens</i> SBW25 on plant surfaces. 2003 , 12, 3109-21	122
1904	Impact of large chromosomal inversions on the adaptation and evolution of <i>Pseudomonas aeruginosa</i> chronically colonizing cystic fibrosis lungs. 2003 , 47, 145-58	87
1903	Siderophore-mediated cell signalling in <i>Pseudomonas aeruginosa</i> : divergent pathways regulate virulence factor production and siderophore receptor synthesis. 2003 , 47, 195-207	172
1902	Identification of a novel Gsp-related pathway required for secretion of the manganese-oxidizing factor of <i>Pseudomonas putida</i> strain GB-1. 2003 , 47, 993-1006	44
1901	Acyl-homoserine lactone acylase from <i>Ralstonia</i> strain XJ12B represents a novel and potent class of quorum-quenching enzymes. 2003 , 47, 849-60	411
1900	Prophages and bacterial genomics: what have we learned so far?. 2003 , 49, 277-300	641

1899	Rice seedling whole exudates and extracted alkylresorcinols induce stress-response in <i>Escherichia coli</i> biosensors. 2003 , 5, 403-11	21
1898	Identification of quorum-sensing regulated proteins in the opportunistic pathogen <i>Pseudomonas aeruginosa</i> by proteomics. 2003 , 5, 1350-69	120
1897	In vivo functional genomics of <i>Pseudomonas aeruginosa</i> for high-throughput screening of new virulence factors and antibacterial targets. 2003 , 5, 1294-308	150
1896	Phenazines and their role in biocontrol by <i>Pseudomonas</i> bacteria. 2003 , 157, 503-523	272
1895	BPI-ANCA in transporter associated with antigen presentation (TAP) deficiency: possible role in susceptibility to Gram-negative bacterial infections. 2003 , 133, 252-9	19
1894	European-wide distribution of <i>Pseudomonas aeruginosa</i> clone C. 2003 , 9, 1228-33	28
1893	Transposon silencing in the <i>Caenorhabditis elegans</i> germ line by natural RNAi. <i>Nature</i> , 2003 , 426, 310-4	50.4 357
1892	A genetic basis for <i>Pseudomonas aeruginosa</i> biofilm antibiotic resistance. <i>Nature</i> , 2003 , 426, 306-10	50.4 851
1891	Massive parallelism, randomness and genomic advances. 2003 , 33 Suppl, 219-27	58
1890	Genetic strategies for antibacterial drug discovery. 2003 , 4, 442-56	134
1889	Induction and inhibition of <i>Pseudomonas aeruginosa</i> quorum sensing by synthetic autoinducer analogs. 2003 , 10, 81-9	259
1888	Structure and mechanism of soluble glucose dehydrogenase and other PQQ-dependent enzymes. 2003 , 1647, 143-51	50
1887	Heavy metal tolerance and metal homeostasis in <i>Pseudomonas putida</i> as revealed by complete genome analysis. 2003 , 5, 1242-56	168
1886	Proteome reference map of <i>Pseudomonas putida</i> strain KT2440 for genome expression profiling: distinct responses of KT2440 and <i>Pseudomonas aeruginosa</i> strain PAO1 to iron deprivation and a new form of superoxide dismutase. 2003 , 5, 1257-69	54
1885	Genome mosaicism is conserved but not unique in <i>Pseudomonas aeruginosa</i> isolates from the airways of young children with cystic fibrosis. 2003 , 5, 1341-9	88
1884	Attachment to and biofilm formation on abiotic surfaces by <i>Acinetobacter baumannii</i> : involvement of a novel chaperone-usher pili assembly system. 2003 , 149, 3473-3484	417
1883	Pathophysiology and management of pulmonary infections in cystic fibrosis. 2003 , 168, 918-51	1230
1882	Do we really need new anti-infective drugs?. 2003 ,	1

1881	Molecular genetics in the pediatric intensive care unit. 2003 , 19, 577-94	14
1880	Regulation of antibiotic production in root-colonizing <i>Pseudomonas</i> spp. and relevance for biological control of plant disease. 2003 , 41, 117-53	619
1879	Mechanism, Structure, and Regulation of Magnesium Chelatase. 2003 , 1-47	9
1878	The putative transcriptional repressor McbR, member of the TetR-family, is involved in the regulation of the metabolic network directing the synthesis of sulfur containing amino acids in <i>Corynebacterium glutamicum</i> . 2003 , 103, 51-65	81
1877	Severe Infections Caused by <i>Pseudomonas Aeruginosa</i> . 2003 ,	11
1876	Identification, timing, and signal specificity of <i>Pseudomonas aeruginosa</i> quorum-controlled genes: a transcriptome analysis. 2003 , 185, 2066-79	892
1875	Mutagenesis of subunit N of the <i>Escherichia coli</i> complex I. Identification of the initiation codon and the sensitivity of mutants to decylubiquinone. 2003 , 42, 4800-8	75
1874	Evaluation of the polymorphisms associated with tandem repeats for <i>Pseudomonas aeruginosa</i> strain typing. 2003 , 41, 4991-7	76
1873	Type II protein secretion in <i>Pseudomonas aeruginosa</i> : the pseudopilus is a multifibrillar and adhesive structure. 2003 , 185, 2749-58	127
1872	First-order kinetics analysis of monomer composition dependent polyhydroxyalkanoic acid degradation in <i>Pseudomonas</i> spp. 2003 , 4, 424-8	3
1871	<i>Burkholderia</i> genome analysis reveals new enzymes belonging to the nitrilase superfamily. The amidase of <i>Burkholderia cepacia</i> (hospital isolate). 2003 , 33, 175-82	2
1870	Biosurfactants: evolution and diversity in bacteria. 2003 , 52, 101-21	85
1869	Utilization of acyl-homoserine lactone quorum signals for growth by a soil pseudomonad and <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 69, 5941-9	274
1868	Do we really need new anti-infective drugs?. 2003 , 3, 459-63	24
1867	Importance of the +73/294 interaction in <i>Escherichia coli</i> RNase P RNA substrate complexes for cleavage and metal ion coordination. 2003 , 325, 697-709	46
1866	RpoD promoters in <i>Campylobacter jejuni</i> exhibit a strong periodic signal instead of a -35 box. 2003 , 326, 1361-72	70
1865	<i>Pseudomonas stutzeri</i> soluble nitrate reductase alphabeta-subunit is a soluble enzyme with a similar electronic structure at the active site as the inner membrane-bound alphabeta gamma holoenzyme. 2003 , 534, 143-50	10
1864	Functional conservation of a natural cysteine peptidase inhibitor in protozoan and bacterial pathogens. 2003 , 542, 12-6	58

1863	A Sco homologue plays a role in defence against oxidative stress in pathogenic <i>Neisseria</i> . 2003 , 546, 411-5	41
1862	Sequencing and analysis of the genome of the Whipple's disease bacterium <i>Tropheryma whippelii</i> . 2003 , 361, 637-44	204
1861	Isolation and characterization of 27-O-demethylrifamycin SV methyltransferase provides new insights into the post-PKS modification steps during the biosynthesis of the antitubercular drug rifamycin B by <i>Amycolatopsis mediterranei</i> S699. 2003 , 411, 277-88	21
1860	Protein secretion systems of <i>Pseudomonas aeruginosa</i> and <i>P. fluorescens</i> . 2003 , 1611, 223-33	76
1859	Single-molecule detection of efflux pump machinery in <i>Pseudomonas aeruginosa</i> . 2003 , 305, 79-86	32
1858	Direct observation of substrate induction of resistance mechanism in <i>Pseudomonas aeruginosa</i> using single live cell imaging. 2003 , 305, 941-9	31
1857	Characterisation of CadR from <i>Pseudomonas aeruginosa</i> : a Cd(II)-responsive MerR homologue. 2003 , 308, 234-9	43
1856	Genomic typing of <i>Pseudomonas aeruginosa</i> isolates by comparison of Ribotyping and PFGE: correlation of experimental results with those predicted from the complete genome sequence of isolate PAO1. 2003 , 55, 231-40	16
1855	Prophage genomics. 2003 , 67, 238-76, table of contents	508
1854	Intracellular esterase from <i>Lactobacillus casei</i> LILA: nucleotide sequencing, purification, and characterization. 2003 , 86, 1118-29	30
1853	Complete genome sequence of the marine planctomycete <i>Pirellula</i> sp. strain 1. 2003 , 100, 8298-303	391
1852	Cloning, expression, and efficient purification in <i>Escherichia coli</i> of a halophilic nucleoside diphosphate kinase from the moderate halophile <i>Halomonas</i> sp. #593. 2003 , 27, 128-33	7
1851	Construction and characterization of a recombinant esterase with high activity and enantioselectivity to (S)-ketoprofen ethyl ester. 2003 , 29, 85-93	28
1850	Myoviridae bacteriophages of <i>Pseudomonas aeruginosa</i> : a long and complex evolutionary pathway. 2003 , 154, 269-75	24
1849	Coordinate regulation of bacterial virulence genes by a novel adenylate cyclase-dependent signaling pathway. 2003 , 4, 253-63	303
1848	Function, diversity, and evolution of signal transduction in prokaryotes. 2003 , 4, 459-65	9
1847	Genomics of pyoverdine-mediated iron uptake in pseudomonads. 2003 , 11, 195-200	202
1846	The good, the bad and the ugly?. 2003 , 11, 204-5	1

1845	Transcription regulation and environmental adaptation in bacteria. 2003 , 11, 248-53	145
1844	Application of proteomics to <i>Pseudomonas aeruginosa</i> . 2003 , 83, 117-40	3
1843	Proteome analysis of extracellular proteins regulated by the las and rhl quorum sensing systems in <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 149, 1311-1322	111
1842	Duplication is more common among laterally transferred genes than among indigenous genes. 2003 , 4, R48	48
1841	Biofilm formation by hyperpiliated mutants of <i>Pseudomonas aeruginosa</i> . 2003 , 185, 2374-8	137
1840	The complete genome sequence of the <i>Arabidopsis</i> and tomato pathogen <i>Pseudomonas syringae</i> pv. tomato DC3000. 2003 , 100, 10181-6	695
1839	Comparative analysis of the <i>Bradyrhizobium japonicum</i> sucA region. 2003 , 49, 237-43	2
1838	Inactivation of gacS does not affect the competitiveness of <i>Pseudomonas chlororaphis</i> in the <i>Arabidopsis thaliana</i> rhizosphere. 2003 , 69, 1817-26	32
1837	Repression of phenazine antibiotic production in <i>Pseudomonas aureofaciens</i> strain 30-84 by RpeA. 2003 , 185, 3718-25	48
1836	Microarray analysis of <i>Pseudomonas aeruginosa</i> quorum-sensing regulons: effects of growth phase and environment. 2003 , 185, 2080-95	749
1835	Need for cytochrome bc1 complex for dissimilatory nitrite reduction of <i>Pseudomonas aeruginosa</i> . 2003 , 67, 121-6	8
1834	Molecular cloning of quinohemoprotein alcohol dehydrogenase, ADH IIB, from <i>Pseudomonas putida</i> HK5. 2003 , 67, 1397-400	8
1833	Imaging lung inflammation in a murine model of <i>Pseudomonas</i> infection: a positron emission tomography study. 2003 , 29, 45-57	21
1832	FimX, a multidomain protein connecting environmental signals to twitching motility in <i>Pseudomonas aeruginosa</i> . 2003 , 185, 7068-76	149
1831	O-antigen serotypes and type III secretory toxins in clinical isolates of <i>Pseudomonas aeruginosa</i> . 2003 , 41, 2158-60	37
1830	EnteriX 2003: Visualization tools for genome alignments of Enterobacteriaceae. 2003 , 31, 3527-32	22
1829	<i>Mycobacterium tuberculosis</i> Rv1395 is a class III transcriptional regulator of the AraC family involved in cytochrome P450 regulation. 2003 , 278, 33763-73	22
1828	Regulation of membrane permeability by a two-component regulatory system in <i>Pseudomonas aeruginosa</i> . 2003 , 47, 95-101	46

1827	EfrAB, an ABC multidrug efflux pump in <i>Enterococcus faecalis</i> . 2003 , 47, 3733-8	117
1826	Aminoglycoside efflux in <i>Pseudomonas aeruginosa</i> : involvement of novel outer membrane proteins. 2003 , 47, 1101-11	102
1825	aph(3')-IIb, a gene encoding an aminoglycoside-modifying enzyme, is under the positive control of surrogate regulator HpaA. 2003 , 47, 3867-76	17
1824	D-arginase of <i>Arthrobacter</i> sp. KUJ 8602: characterization and its identity with Zn(2+)-guanidinobutyrase. 2003 , 133, 33-42	8
1823	Molecular Pathogenesis of Acute <i>Pseudomonas Aeruginosa</i> Infections. 2003 , 201-229	26
1822	The complete genome sequence of <i>Chromobacterium violaceum</i> reveals remarkable and exploitable bacterial adaptability. 2003 , 100, 11660-5	216
1821	A key role for the mRNA leader structure in translational control of ribosomal protein S1 synthesis in gamma-proteobacteria. 2003 , 31, 6996-7002	24
1820	Development and application of a dapB-based in vivo expression technology system to study colonization of rice by the endophytic nitrogen-fixing bacterium <i>Pseudomonas stutzeri</i> A15. 2003 , 69, 6864-74	87
1819	Regulation of expression of the cyanide-insensitive terminal oxidase in <i>Pseudomonas aeruginosa</i> . 2003 , 149, 1275-1284	59
1818	Identification and characterization of genes required for biosynthesis and transport of the siderophore vibrioferrin in <i>Vibrio parahaemolyticus</i> . 2003 , 185, 6938-49	83
1817	Microarray analysis of global gene expression in mucoid <i>Pseudomonas aeruginosa</i> . 2003 , 185, 1071-81	135
1816	Contributions of MexAB-OprM and an EmrE homolog to intrinsic resistance of <i>Pseudomonas aeruginosa</i> to aminoglycosides and dyes. 2003 , 47, 27-33	103
1815	Use of in-biofilm expression technology to identify genes involved in <i>Pseudomonas aeruginosa</i> biofilm development. 2003 , 185, 2700-10	63
1814	ZCURVE: a new system for recognizing protein-coding genes in bacterial and archaeal genomes. 2003 , 31, 1780-9	135
1813	Whole-genome sequence variation among multiple isolates of <i>Pseudomonas aeruginosa</i> . 2003 , 185, 1316-25	169
1812	Recombination activity of a distinctive integron-gene cassette system associated with <i>Pseudomonas stutzeri</i> populations in soil. 2003 , 185, 918-28	50
1811	The reported human NADsyn2 is ammonia-dependent NAD synthetase from a pseudomonad. 2003 , 278, 33056-9	15
1810	<i>Arabidopsis</i> contains a large superfamily of acyl-activating enzymes. Phylogenetic and biochemical analysis reveals a new class of acyl-coenzyme a synthetases. 2003 , 132, 1065-76	136

1809	On the nature of gene innovation: duplication patterns in microbial genomes. 2003 , 20, 945-54	76
1808	PseudoCyc, a pathway-genome database for <i>Pseudomonas aeruginosa</i> . 2003 , 5, 230-9	33
1807	Genetic organization of an <i>Acinetobacter baumannii</i> chromosomal region harbouring genes related to siderophore biosynthesis and transport. 2003 , 149, 1227-1238	46
1806	Dissection of homologous translocon operons reveals a distinct role for YopD in type III secretion by <i>Yersinia pseudotuberculosis</i> . 2003 , 149, 2615-2626	22
1805	The <i>Bradyrhizobium japonicum</i> napEDABC genes encoding the periplasmic nitrate reductase are essential for nitrate respiration. 2003 , 149, 3395-3403	69
1804	Nitrogen control of atrazine utilization in <i>Pseudomonas</i> sp. strain ADP. 2003 , 69, 6987-93	61
1803	Protection against fatal <i>Pseudomonas aeruginosa</i> pneumonia in mice after nasal immunization with a live, attenuated <i>aroA</i> deletion mutant. 2003 , 71, 1453-61	66
1802	Differential expression of the components of the two alkane hydroxylases from <i>Pseudomonas aeruginosa</i> . 2003 , 185, 3232-7	79
1801	Genomic analysis and initial characterization of the chitinolytic system of <i>Microbulbifer degradans</i> strain 2-40. 2003 , 185, 3352-60	62
1800	Genome-wide analyses revealing a signaling network of the RcsC-YojN-RcsB phosphorelay system in <i>Escherichia coli</i> . 2003 , 185, 5735-46	146
1799	Control of <i>Pseudomonas aeruginosa</i> <i>algZ</i> expression by the alternative sigma factor AlgT. 2003 , 185, 7297-300	37
1798	Plant lectin-like bacteriocin from a rhizosphere-colonizing <i>Pseudomonas</i> isolate. 2003 , 185, 897-908	87
1797	DNA microarrays in analysis of quorum sensing: strengths and limitations. 2003 , 185, 2061-5	40
1796	Single-nucleotide-polymorphism mapping of the <i>Pseudomonas aeruginosa</i> type III secretion toxins for development of a diagnostic multiplex PCR system. 2003 , 41, 3526-31	52
1795	Characterization of the <i>argA</i> gene required for arginine biosynthesis and syringomycin production by <i>Pseudomonas syringae</i> pv. <i>syringae</i> . 2003 , 69, 7273-80	8
1794	The IS1111 family members IS4321 and IS5075 have subterminal inverted repeats and target the terminal inverted repeats of Tn21 family transposons. 2003 , 185, 6371-84	87
1793	Role of the stationary growth phase sigma factor RpoS of <i>Burkholderia pseudomallei</i> in response to physiological stress conditions. 2003 , 185, 7008-14	34
1792	Induction of <i>mexCD-oprJ</i> operon for a multidrug efflux pump by disinfectants in wild-type <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 51, 991-4	79

1791	PseuRECA: genome annotation and gene context analysis for <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 19, 1457-60	8
1790	Functional cloning and characterization of a multidrug efflux pump, mexHI-opmD, from a <i>Pseudomonas aeruginosa</i> mutant. 2003 , 47, 2990-2	59
1789	Sequence [Evolution [Function. 2003 ,	103
1788	Heat shock (σ 32 and HrcA/CIRCE) regulons in beta-, gamma- and epsilon-proteobacteria. 2003 , 6, 174-81	13
1787	A developmentally regulated two-component signal transduction system in <i>Chlamydia</i> . 2003 , 278, 17314-9	38
1786	Pyoverdine-mediated regulation of FpvA synthesis in <i>Pseudomonas aeruginosa</i> : involvement of a probable extracytoplasmic-function sigma factor, Fpvl. 2003 , 185, 1261-5	67
1785	A new member of the tripartite multidrug efflux pumps, MexVW-OprM, in <i>Pseudomonas aeruginosa</i> . 2003 , 52, 572-5	81
1784	A CysB-regulated and σ 54-dependent regulator, SfnR, is essential for dimethyl sulfone metabolism of <i>Pseudomonas putida</i> strain DS1. 2003 , 149, 991-1000	26
1783	Efflux-mediated resistance to tigecycline (GAR-936) in <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 47, 972-8	239
1782	Comprehensive transposon mutant library of <i>Pseudomonas aeruginosa</i> . 2003 , 100, 14339-44	864
1781	Alginate is not a significant component of the extracellular polysaccharide matrix of PA14 and PAO1 <i>Pseudomonas aeruginosa</i> biofilms. 2003 , 100, 7907-12	337
1780	Compositional changes in RNA, DNA and proteins for bacterial adaptation to higher and lower temperatures. 2003 , 133, 507-13	87
1779	Purification and characterization of <i>Ulva pertusa</i> Kjellm alkaline phosphatase. 2003 , 33, 113-23	5
1778	Mutation or overexpression of a terminal oxidase leads to a cell division defect and multiple antibiotic sensitivity in <i>Pseudomonas aeruginosa</i> . 2003 , 278, 4524-30	18
1777	Conservation of genome content and virulence determinants among clinical and environmental isolates of <i>Pseudomonas aeruginosa</i> . 2003 , 100, 8484-9	303
1776	Real-time reverse transcription-PCR analysis of expression of halobenzoate and salicylate catabolism-associated operons in two strains of <i>Pseudomonas aeruginosa</i> . 2003 , 69, 2269-75	27
1775	Identification of the putrescine biosynthetic genes in <i>Pseudomonas aeruginosa</i> and characterization of agmatine deiminase and N-carbamoylputrescine amidohydrolase of the arginine decarboxylase pathway. 2003 , 149, 707-714	83
1774	Common extracellular sensory domains in transmembrane receptors for diverse signal transduction pathways in bacteria and archaea. 2003 , 185, 285-94	112

1773	Flagellin glycosylation island in <i>Pseudomonas syringae</i> pv. <i>glycinea</i> and its role in host specificity. 2003 , 185, 6658-65	111
1772	Versatility of aminoglycosides and prospects for their future. 2003 , 16, 430-50	460
1771	Honor thy symbionts. 2003 , 100, 10452-9	687
1770	Bacterial genomes and infectious diseases. 2003 , 54, 1-7	46
1769	Cloning and characterization of putative zinc protease genes of <i>Ehrlichia canis</i> . 2003 , 14, 109-21	
1768	Aminoglycoside resistance gene <i>ant(4')-IIb</i> of <i>Pseudomonas aeruginosa</i> BM4492, a clinical isolate from Bulgaria. 2003 , 47, 1584-8	23
1767	Analysis of the ferric citrate transport gene promoter of <i>Escherichia coli</i> . 2003 , 185, 2387-91	16
1766	Negative control of quorum sensing by RpoN (σ 54) in <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 185, 2227-35	120
1765	To build a biofilm. 2003 , 185, 2687-9	98
1764	Genetic analysis of the <i>AdnA</i> regulon in <i>Pseudomonas fluorescens</i> : nonessential role of flagella in adhesion to sand and biofilm formation. 2003 , 185, 453-60	46
1763	<i>PcrH</i> of <i>Pseudomonas aeruginosa</i> is essential for secretion and assembly of the type III translocon. 2003 , 188, 1909-21	26
1762	Identification and characterization of novel pyoverdine synthesis genes in <i>Pseudomonas aeruginosa</i> . 2003 , 149, 833-842	117
1761	A systematic approach for yielding a potential pool of enzymes: practical case for chiral resolution of (R,S)-ketoprofen ethyl ester. 2003 , 16, 357-64	9
1760	Mutation of <i>lasA</i> and <i>lasB</i> reduces <i>Pseudomonas aeruginosa</i> invasion of epithelial cells. 2003 , 149, 2291-2299	86
1759	The role of biofilms in airway disease. 2003 , 24, 663-70	16
1758	Quantifying <i>Pseudomonas aeruginosa</i> adhesion to contact lenses. 2003 , 29, 65-8	6
1757	<i>Pseudomonas aeruginosa</i> expresses a lethal virulence determinant, the PA-I lectin/adhesin, in the intestinal tract of a stressed host: the role of epithelia cell contact and molecules of the Quorum Sensing Signaling System. 2003 , 238, 754-64	58
1756	Is prokaryotic complexity limited by accelerated growth in regulatory overhead?. 2003 , 5, P2	16

1755	Increasing biological complexity is positively correlated with the relative genome-wide expansion of non-protein-coding DNA sequences. 2003 , 5, P1	30
1754	Biochemical Society Special Lecture. Nitrate- and nitrite-responsive sensors NarX and NarQ of proteobacteria. 2003 , 31, 1-10	109
1753	Feast/famine regulatory proteins of a multiple drug resistant, <i>Pseudomonas aeruginosa</i> .. 2003 , 79B, 242-247	14
1752	The <i>sypA</i> , <i>sypS</i> , and <i>sypC</i> synthetase genes encode twenty-two modules involved in the nonribosomal peptide synthesis of syringopeptin by <i>Pseudomonas syringae</i> pv. <i>syringae</i> B301D. 2003 , 16, 271-80	77
1751	Participation of Nitrite Reductase in Conversion of NO ₂ ⁻ to NO ₃ ⁻ in a Heterotrophic Nitrifier, <i>Burkholderia cepacia</i> NH-17, with Denitrification Activity.. 2003 , 18, 203-209	15
1750	On the mechanism of solute uptake in <i>Pseudomonas</i> . 2003 , 8, s472-83	29
1749	Iron acquisition and its control in <i>Pseudomonas aeruginosa</i> : many roads lead to Rome. 2003 , 8, d661-86	179
1748	???. 2003 , 77, 1218-1225	
1747	The complete sequence of the mitochondrial genome of the Chinook salmon, <i>Oncorhynchus tshawytscha</i> . 2003 , 36, 223-31	15
1746	Protocol for amplification of GC-rich sequences from <i>Pseudomonas aeruginosa</i> . 2004 , 37, 752, 754, 756	4
1745	. 2004 ,	18
1744	<i>Pseudomonas keratitis</i> : protease IV gene conservation, distribution, and production relative to virulence and other <i>Pseudomonas</i> proteases. 2004 , 45, 522-30	37
1743	. 2004 ,	25
1742	. 2004 ,	20
1741	The <i>Staphylococcus aureus</i> Genome. 2004 , 66-153	8
1740	ExoU: A cytotoxin delivered by the type III secretion system of <i>Pseudomonas aeruginosa</i> . 2004 , 69-89	1
1739	Comparative genomics: digging for data. 2004 , 266, 47-69	3
1738	Identification of novel pathogenicity genes by PCR signature-tagged mutagenesis and related technologies. 2004 , 266, 289-304	9

1737	Using the genome to understand pathogenicity. 2004 , 266, 261-87	8
1736	The broad host range pathogen <i>Pseudomonas aeruginosa</i> strain PA14 carries two pathogenicity islands harboring plant and animal virulence genes. 2004 , 101, 2530-5	293
1735	Genetic features of <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis patients compared with those of isolates from other origins. 2004 , 53, 73-81	91
1734	Insect pathogenicity islands in the insect pathogenic bacterium <i>Photorhabdus</i> . 2004 , 29, 240-250	22
1733	Characterization of the L-lysine biosynthetic pathway in the obligate methylotroph <i>Methylophilus methylotrophus</i> . 2004 , 68, 1449-60	15
1732	CzcR-CzcS, a two-component system involved in heavy metal and carbapenem resistance in <i>Pseudomonas aeruginosa</i> . 2004 , 279, 8761-8	189
1731	A major Li(+) extrusion system NhaB of <i>Pseudomonas aeruginosa</i> : comparison with the major Na(+) extrusion system NhaP. 2004 , 48, 243-50	15
1730	Self-protection mechanism in D-cycloserine-producing <i>Streptomyces lavendulae</i> . Gene cloning, characterization, and kinetics of its alanine racemase and D-alanyl-D-alanine ligase, which are target enzymes of D-cycloserine. 2004 , 279, 46143-52	39
1729	Detection and susceptibility testing of hypermutable <i>Pseudomonas aeruginosa</i> strains with the Etest and disk diffusion. 2004 , 48, 2665-72	58
1728	The <i>truA</i> gene of <i>Pseudomonas aeruginosa</i> is required for the expression of type III secretory genes. 2004 , 150, 539-547	22
1727	Plants express a lipid transfer protein with high similarity to mammalian sterol carrier protein-2. 2004 , 279, 53544-53	25
1726	Hypervariability, suppressed recombination and the genetics of individuality. 2004 , 359, 129-40	0
1725	Hypoxia increases corneal cell expression of CFTR leading to increased <i>Pseudomonas aeruginosa</i> binding, internalization, and initiation of inflammation. 2004 , 45, 4066-74	36
1724	Macromolecular composition of unsaturated <i>Pseudomonas aeruginosa</i> biofilms with time and carbon source. 2004 , 1, 37-47	36
1723	Structure of <i>Pseudomonas aeruginosa</i> populations analyzed by single nucleotide polymorphism and pulsed-field gel electrophoresis genotyping. 2004 , 186, 4228-37	77
1722	Long-term anaerobic survival of the opportunistic pathogen <i>Pseudomonas aeruginosa</i> via pyruvate fermentation. 2004 , 186, 4596-604	175
1721	Direct glutaminyl-tRNA biosynthesis and indirect asparaginyt-tRNA biosynthesis in <i>Pseudomonas aeruginosa</i> PAO1. 2004 , 186, 767-76	38
1720	Biochemical characterization of the naturally occurring oxacillinase OXA-50 of <i>Pseudomonas aeruginosa</i> . 2004 , 48, 2043-8	110

1719	Use of in vivo expression technology to identify genes important in growth and survival of <i>Pseudomonas fluorescens</i> Pf0-1 in soil: discovery of expressed sequences with novel genetic organization. 2004 , 186, 7411-9	90
1718	Degradation of Chloroaromatics by <i>Pseudomonas</i> (s). 2004 , 509-574	12
1717	FpvB, an alternative type I ferripyoverdine receptor of <i>Pseudomonas aeruginosa</i> . 2004 , 150, 1671-1680	129
1716	Genetically modified bacterial strains and novel bacterial artificial chromosome shuttle vectors for constructing environmental libraries and detecting heterologous natural products in multiple expression hosts. 2004 , 70, 2452-63	196
1715	Diversity in chemotaxis mechanisms among the bacteria and archaea. 2004 , 68, 301-19	344
1714	tonB3 is required for normal twitching motility and extracellular assembly of type IV pili. 2004 , 186, 4387-9	40
1713	AgmR controls transcription of a regulon with several operons essential for ethanol oxidation in <i>Pseudomonas aeruginosa</i> ATCC 17933. 2004 , 150, 1851-1857	23
1712	Development of a multilocus sequence typing scheme for the opportunistic pathogen <i>Pseudomonas aeruginosa</i> . 2004 , 42, 5644-9	363
1711	Microarray-based analysis of the <i>Staphylococcus aureus</i> sigmaB regulon. 2004 , 186, 4085-99	313
1710	Origin and diversity of alginate lyases of families PL-5 and -7 in <i>Sphingomonas</i> sp. strain A1. 2004 , 186, 2891-6	47
1709	Genome diversity of <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis patients and the hospital environment. 2004 , 42, 5783-92	129
1708	Biofilm formation in <i>Pseudomonas aeruginosa</i> : fimbrial cup gene clusters are controlled by the transcriptional regulator MvaT. 2004 , 186, 2880-90	116
1707	Enzymology of lipid A palmitoylation in bacterial outer membranes. 2004 , 10, 107-112	4
1706	Cloning and expression of <i>afpA</i> , a gene encoding an antifreeze protein from the arctic plant growth-promoting rhizobacterium <i>Pseudomonas putida</i> GR12-2. 2004 , 186, 5661-71	75
1705	The leucine-responsive regulatory protein (<i>lrp</i>) gene for characterization of the relationship among <i>Xanthomonas</i> species. 2004 , 54, 429-437	27
1704	SadB is required for the transition from reversible to irreversible attachment during biofilm formation by <i>Pseudomonas aeruginosa</i> PA14. 2004 , 186, 4476-85	157
1703	The <i>Pseudomonas aeruginosa</i> PA01 gene collection. 2004 , 14, 2190-200	68
1702	A DNA region recognized by the nitric oxide-responsive transcriptional activator NorR is conserved in beta- and gamma-proteobacteria. 2004 , 186, 7980-7	24

1701	Expression analysis of a highly adherent and cytotoxic small colony variant of <i>Pseudomonas aeruginosa</i> isolated from a lung of a patient with cystic fibrosis. 2004 , 186, 3837-47	84
1700	MucA-mediated coordination of type III secretion and alginate synthesis in <i>Pseudomonas aeruginosa</i> . 2004 , 186, 7575-85	88
1699	Characterization of cell-to-cell signaling-deficient <i>Pseudomonas aeruginosa</i> strains colonizing intubated patients. 2004 , 42, 554-62	62
1698	Post-Transcriptional Regulation in <i>Pseudomonas</i> SPP. Via the Gac/Rsm Regulatory Network. 2004 , 239-255	6
1697	Hypermutation and the preexistence of antibiotic-resistant <i>Pseudomonas aeruginosa</i> mutants: implications for susceptibility testing and treatment of chronic infections. 2004 , 48, 4226-33	121
1696	Effect of metabolic imbalance on expression of type III secretion genes in <i>Pseudomonas aeruginosa</i> . 2004 , 72, 1383-90	97
1695	Identification of AlgR-regulated genes in <i>Pseudomonas aeruginosa</i> by use of microarray analysis. 2004 , 186, 5672-84	92
1694	Pore size dependence on growth temperature is a common characteristic of the major outer membrane protein OprF in psychrotrophic and mesophilic <i>Pseudomonas</i> species. 2004 , 70, 6665-9	33
1693	Molecular evidence for the evolution of metal homeostasis genes by lateral gene transfer in bacteria from the deep terrestrial subsurface. 2004 , 70, 1698-707	59
1692	Isolation and characterization of <i>Burkholderia cenocepacia</i> mutants deficient in pyochelin production: pyochelin biosynthesis is sensitive to sulfur availability. 2004 , 186, 270-7	27
1691	Sequence analysis of the mobile genome island pKLC102 of <i>Pseudomonas aeruginosa</i> C. 2004 , 186, 518-34	145
1690	Evidence for polyadenylated mRNA in <i>Pseudomonas aeruginosa</i> . 2004 , 186, 7015-8	11
1689	Lateral gene transfer in the deep sea of Mariana Trench: identification of nar gene cluster encoding membrane-bound nitrate reductase from <i>Pseudomonas</i> sp. strain MT-1. 2004 , 15, 338-43	9
1688	Trends between gene content and genome size in prokaryotic species with larger genomes. 2004 , 101, 3160-5	336
1687	Survey of ferroxidase expression and siderophore production in clinical isolates of <i>Pseudomonas aeruginosa</i> . 2004 , 42, 2806-9	14
1686	Identification and characterization of the C3 binding domain of the <i>Staphylococcus aureus</i> extracellular fibrinogen-binding protein (Efb). 2004 , 279, 50710-6	93
1685	The Genome of <i>Pseudomonas aeruginosa</i> . 2004 , 47-75	6
1684	Multiple formaldehyde oxidation/detoxification pathways in <i>Burkholderia fungorum</i> LB400. 2004 , 186, 2173-8	57

1683	The Flagellar System of <i>Pseudomonas aeruginosa</i> . 2004 , 675-698	10
1682	Diverse evolutionary mechanisms shape the type III effector virulence factor repertoire in the plant pathogen <i>Pseudomonas syringae</i> . 2004 , 167, 1341-60	90
1681	Significant differences in type IV pilin allele distribution among <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis (CF) versus non-CF patients. 2004 , 150, 1315-1326	114
1680	Cloning, expression, and characterization of a lipolytic enzyme gene (<i>lip8</i>) from <i>Pseudomonas aeruginosa</i> LST-03. 2004 , 7, 212-23	20
1679	<i>Pseudomonas aeruginosa</i> Genome Database and PseudoCAP: facilitating community-based, continually updated, genome annotation. 2005 , 33, D338-43	115
1678	INVESTIGATING THE ROLE OF OXIDATIVE STRESS MECHANISMS IN CHEMICALLY INHIBITED NITRIFIERS. 2004 , 2004, 92-112	
1677	Amino acid residues involved in autophosphorylation and phosphotransfer activities are distinct in nucleoside diphosphate kinase from <i>Mycobacterium tuberculosis</i> . 2004 , 279, 43595-603	17
1676	Evidence for a symbiosis island involved in horizontal acquisition of pederin biosynthetic capabilities by the bacterial symbiont of <i>Paederus fuscipes</i> beetles. 2004 , 186, 1280-6	101
1675	Bacterial genomes as new gene homes: the genealogy of ORFans in <i>E. coli</i> . 2004 , 14, 1036-42	201
1674	Positive control of swarming, rhamnolipid synthesis, and lipase production by the posttranscriptional RsmA/RsmZ system in <i>Pseudomonas aeruginosa</i> PAO1. 2004 , 186, 2936-45	227
1673	Identification of tandem duplicate regulatory small RNAs in <i>Pseudomonas aeruginosa</i> involved in iron homeostasis. 2004 , 101, 9792-7	347
1672	The <i>gnyRDBHAL</i> cluster is involved in acyclic isoprenoid degradation in <i>Pseudomonas aeruginosa</i> . 2004 , 70, 5102-10	36
1671	An H(+)-coupled multidrug efflux pump, PmpM, a member of the MATE family of transporters, from <i>Pseudomonas aeruginosa</i> . 2004 , 186, 262-5	90
1670	Molecular analysis of metallo-beta-lactamase gene <i>bla</i> (SPM-1)-surrounding sequences from disseminated <i>Pseudomonas aeruginosa</i> isolates in Recife, Brazil. 2004 , 48, 1406-9	78
1669	Two arginine repressors regulate arginine biosynthesis in <i>Lactobacillus plantarum</i> . 2004 , 186, 6059-69	21
1668	Contribution of the alanine-rich region of <i>Streptococcus mutans</i> P1 to antigenicity, surface expression, and interaction with the proline-rich repeat domain. 2004 , 72, 4699-706	21
1667	Evidence that the <i>algI/algJ</i> gene cassette, required for O acetylation of <i>Pseudomonas aeruginosa</i> alginate, evolved by lateral gene transfer. 2004 , 186, 4759-73	39
1666	Microarray analysis and functional characterization of the nitrosative stress response in nonmucooid and mucooid <i>Pseudomonas aeruginosa</i> . 2004 , 186, 4046-50	57

1665	An aminoacyl-tRNA synthetase-like protein encoded by the <i>Escherichia coli</i> yadB gene glutamylates specifically tRNA ^{Asp} . 2004 , 101, 7530-5	44
1664	Bacteriophage and phenotypic variation in <i>Pseudomonas aeruginosa</i> biofilm development. 2004 , 186, 8066-73	205
1663	<i>Pseudomonas aeruginosa</i> relA contributes to virulence in <i>Drosophila melanogaster</i> . 2004 , 72, 5638-45	98
1662	Fungal metabolic model for type I 3-methylglutaconic aciduria. 2004 , 279, 32385-92	9
1661	V-antigen genotype and phenotype analyses of clinical isolates of <i>Pseudomonas aeruginosa</i> . 2004 , 42, 3857-60	9
1660	Genetic Engineering: Principles and Methods. 2004 ,	0
1659	Cross-sectional analysis of clinical and environmental isolates of <i>Pseudomonas aeruginosa</i> : biofilm formation, virulence, and genome diversity. 2004 , 72, 133-44	114
1658	Genomic plasticity of the causative agent of melioidosis, <i>Burkholderia pseudomallei</i> . 2004 , 101, 14240-5	569
1657	Transcriptome analysis of the response of <i>Pseudomonas aeruginosa</i> to hydrogen peroxide. 2004 , 186, 248-52	111
1656	Unique features revealed by the genome sequence of <i>Acinetobacter</i> sp. ADP1, a versatile and naturally transformation competent bacterium. 2004 , 32, 5766-79	272
1655	<i>Pseudomonas aeruginosa</i> biofilms exposed to imipenem exhibit changes in global gene expression and beta-lactamase and alginate production. 2004 , 48, 1175-87	244
1654	Analysis of <i>Pseudomonas fluorescens</i> F113 genes implicated in flagellar filament synthesis and their role in competitive root colonization. 2004 , 150, 3889-3897	98
1653	Generation of enhanced competitive root-tip-colonizing <i>Pseudomonas</i> bacteria through accelerated evolution. 2004 , 186, 3153-9	33
1652	The galU Gene of <i>Pseudomonas aeruginosa</i> is required for corneal infection and efficient systemic spread following pneumonia but not for infection confined to the lung. 2004 , 72, 4224-32	53
1651	Sensing and responding to diverse extracellular signals? Analysis of the sensor kinases and response regulators of <i>Streptomyces coelicolor</i> A3(2). 2004 , 150, 2795-2806	125
1650	Enzymology of lipid A palmitoylation in bacterial outer membranes. 2004 , 10, 107-12	5
1649	A novel R-stereoselective amidase from <i>Pseudomonas</i> sp. MCI3434 acting on piperazine-2-tert-butylcarboxamide. 2004 , 271, 1580-90	43
1648	Insights into the genomic basis of niche specificity of <i>Pseudomonas putida</i> KT2440. 2004 , 6, 1264-86	212

1647	Differential post-transcriptional activation of human phagocytes by different <i>Pseudomonas aeruginosa</i> isolates. 2004 , 6, 639-50	10
1646	Fungal dimorphism regulated gene expression in <i>Ustilago maydis</i> : I. Filament up-regulated genes. 2004 , 5, 281-93	14
1645	Characterization of a complex chemosensory signal transduction system which controls twitching motility in <i>Pseudomonas aeruginosa</i> . 2004 , 52, 873-93	167
1644	A novel anti-anti-activator mechanism regulates expression of the <i>Pseudomonas aeruginosa</i> type III secretion system. 2004 , 53, 297-308	99
1643	MexAB-OprM hyperexpression in NalC-type multidrug-resistant <i>Pseudomonas aeruginosa</i> : identification and characterization of the nalC gene encoding a repressor of PA3720-PA3719. 2004 , 53, 1423-36	108
1642	A novel sensor kinase-response regulator hybrid regulates type III secretion and is required for virulence in <i>Pseudomonas aeruginosa</i> . 2004 , 54, 1090-103	86
1641	The sigma54-dependent transcriptional activator SfnR regulates the expression of the <i>Pseudomonas putida</i> sfnFG operon responsible for dimethyl sulphone utilization. 2005 , 55, 897-911	18
1640	The contribution of MvFR to <i>Pseudomonas aeruginosa</i> pathogenesis and quorum sensing circuitry regulation: multiple quorum sensing-regulated genes are modulated without affecting lasRI, rhIRI or the production of N-acyl-L-homoserine lactones. 2005 , 55, 998-1014	295
1639	The microtubule analog protein, FtsZ, in the endosymbiont of trypanosomatid protozoa. 2004 , 51, 394-401	6
1638	Mutations in the chloramphenicol acetyltransferase (S61G, Y105C) increase accumulated amounts and resistance in <i>Pseudomonas aeruginosa</i> . 2004 , 236, 197-204	2
1637	Fluorescence Resonance Energy Transfer (FRET) based molecular detection of a genetically modified PCB degrader in soil. 2004 , 236, 349-357	7
1636	Small change: keeping pace with microevolution. 2004 , 2, 483-95	168
1635	A novel two-component system controls the expression of <i>Pseudomonas aeruginosa</i> fimbrial cup genes. 2005 , 55, 368-80	226
1634	Modeling rhl quorum-sensing regulation on rhamnolipid production by <i>Pseudomonas aeruginosa</i> . 2004 , 20, 1325-31	14
1633	Super-channel in bacteria: structural and functional aspects of a novel biosystem for the import and depolymerization of macromolecules. 2004 , 98, 399-413	9
1632	Use of the genomic signature in bacterial classification and identification. 2004 , 27, 175-85	38
1631	A therapeutic strategy against the shared virulence mechanism utilized by both <i>Yersinia pestis</i> and <i>Pseudomonas aeruginosa</i> . 2004 , 22, 591-606, viii-ix	10
1630	Pathogenicity islands in bacterial pathogenesis. 2004 , 17, 14-56	468

1629	Identification of 42 possible cytochrome C genes in the <i>Shewanella oneidensis</i> genome and characterization of six soluble cytochromes. 2004 , 8, 57-77	150
1628	Cloning, expression and characterization of a lipase gene (<i>lip3</i>) from <i>Pseudomonas aeruginosa</i> LST-03. 2004 , 271, 189-96	16
1627	Structures of the lectins from <i>Pseudomonas aeruginosa</i> : insight into the molecular basis for host glycan recognition. 2004 , 6, 221-8	244
1626	Cobalt interference in iron-uptake could inhibit growth in <i>Pseudomonas aeruginosa</i> . 2004 , 20, 755-758	8
1625	Sequence analysis of DNA fragments from the genome of the primary endosymbiont of the whitefly <i>Bemisia tabaci</i> . 2004 , 48, 77-81	19
1624	<i>Pseudomonas aeruginosa</i> dihydroorotases: a tale of three <i>pyrCs</i> . 2004 , 182, 7-17	16
1623	Relations and functions of dye-linked formaldehyde dehydrogenase from <i>Hyphomicrobium zavarzinii</i> revealed by sequence determination and analysis. 2004 , 182, 458-66	3
1622	The origin of eukaryotes is suggested as the symbiosis of pyrococcus into gamma-proteobacteria by phylogenetic tree based on gene content. 2004 , 59, 606-19	38
1621	Evolutionary analysis of the two-component systems in <i>Pseudomonas aeruginosa</i> PAO1. 2004 , 59, 725-37	25
1620	<i>Pseudomonas aeruginosa</i> isolated from marine environments in Tokyo Bay. 2004 , 47, 41-7	51
1619	Divergence of mobile genetic elements involved in the distribution of xenobiotic-catabolic capacity. 2004 , 64, 154-74	120
1618	Inactivation of <i>pycA</i> , encoding pyruvate carboxylase activity, increases poly-beta-hydroxybutyrate accumulation in <i>Azotobacter vinelandii</i> on solid medium. 2004 , 65, 414-8	17
1617	In silico analysis of the sigma54-dependent enhancer-binding proteins in <i>Pirellula</i> species strain 1. 2004 , 230, 215-25	16
1616	Chemotaxis proteins and transducers for aerotaxis in <i>Pseudomonas aeruginosa</i> . 2004 , 231, 247-52	63
1615	BPI-ANCA of pediatric cystic fibrosis patients can impair BPI-mediated killing of <i>E. coli</i> DH5alpha in vitro. 2004 , 37, 158-64	21
1614	Differences in two <i>Pseudomonas aeruginosa</i> <i>cbb3</i> cytochrome oxidases. 2004 , 51, 1193-203	63
1613	Transport of Solutes Across Biological Membranes: Prokaryotes. 2004 , 271-335	2
1612	Combinatorial synthesis of substituted 3-(2-indolyl)piperidines and 2-phenyl indoles as inhibitors of ZipA-FtsZ interaction. 2004 , 12, 5115-31	55

1611	Cloning and functional analysis by gene disruption of a novel gene involved in indigo production and fluoranthene metabolism in <i>Pseudomonas alcaligenes</i> PA-10. 2004 , 239, 285-93	22
1610	Modelling the evolution of genomes with integrated external and internal functions. 2004 , 231, 271-8	8
1609	Mass spectrometric mapping of the enzymes involved in the phenol degradation of an indigenous soil pseudomonad. 2004 , 1700, 117-23	18
1608	The LspB protein is involved in the secretion of the LspA1 and LspA2 proteins by <i>Haemophilus ducreyi</i> . 2004 , 72, 1874-84	26
1607	Putative exopolysaccharide synthesis genes influence <i>Pseudomonas aeruginosa</i> biofilm development. 2004 , 186, 4449-56	259
1606	Characterization of nutrient-induced dispersion in <i>Pseudomonas aeruginosa</i> PAO1 biofilm. 2004 , 186, 7312-26	365
1605	Identification of <i>psl</i> , a locus encoding a potential exopolysaccharide that is essential for <i>Pseudomonas aeruginosa</i> PAO1 biofilm formation. 2004 , 186, 4466-75	301
1604	Genome-derived vaccines. 2004 , 3, 59-76	63
1603	Distribution and phylogenetic analysis of family 19 chitinases in Actinobacteria. 2004 , 70, 1135-44	80
1602	The opportunistic pathogen <i>Pseudomonas aeruginosa</i> carries a secretable arachidonate 15-lipoxygenase. 2004 , 101, 2135-9	154
1601	Structure and function of a hypothetical <i>Pseudomonas aeruginosa</i> protein PA1167 classified into family PL-7: a novel alginate lyase with a beta-sandwich fold. 2004 , 279, 31863-72	97
1600	Genomics, Proteomics, and Clinical Bacteriology. 2004 ,	2
1599	Lessons learned from the genome analysis of <i>Ralstonia solanacearum</i> . 2004 , 42, 107-34	134
1598	Complete genomic sequence of bacteriophage B3, a Mu-like phage of <i>Pseudomonas aeruginosa</i> . 2004 , 186, 6560-74	62
1597	Global analysis of the membrane subproteome of <i>Pseudomonas aeruginosa</i> using liquid chromatography-tandem mass spectrometry. 2004 , 3, 434-44	52
1596	Multidimensional proteome analysis of human mammary epithelial cells. 2004 , 3, 68-75	84
1595	Real-time probing of membrane transport in living microbial cells using single nanoparticle optics and living cell imaging. 2004 , 43, 10400-13	252
1594	Using proteomics to mine genome sequences. 2004 , 3, 393-402	26

1593	Role of efflux mechanisms on fluoroquinolone resistance in <i>Streptococcus pneumoniae</i> and <i>Pseudomonas aeruginosa</i> . 2004 , 24, 529-35	43
1592	Biosynthesis, transport, and modification of lipid A. 2004 , 82, 71-86	87
1591	Protein Secretion Mechanisms in <i>Pseudomonas</i> . 2004 , 749-791	5
1590	Selection for gene clustering by tandem duplication. 2004 , 58, 119-42	75
1589	Comparative genomic structure of prokaryotes. 2004 , 38, 771-92	249
1588	Efflux-mediated drug resistance in bacteria. 2004 , 64, 159-204	489
1587	Virulence and Gene Regulation. 2004 ,	1
1586	Using nanoparticle optics assay for direct observation of the function of antimicrobial agents in single live bacterial cells. 2004 , 43, 140-7	148
1585	Siderophores of the Pseudomonadaceae sensu stricto (fluorescent and non-fluorescent <i>Pseudomonas</i> spp.). 2004 , 87, 81-237	79
1584	<i>Pseudomonas</i> . 2004 ,	6
1583	Genomic Insights in the Metabolism of Aromatic Compounds in <i>Pseudomonas</i> . 2004 , 425-462	39
1582	The homogentisate pathway: a central catabolic pathway involved in the degradation of L-phenylalanine, L-tyrosine, and 3-hydroxyphenylacetate in <i>Pseudomonas putida</i> . 2004 , 186, 5062-77	190
1581	Algorithms in Bioinformatics. 2004 ,	
1580	Phages of <i>Pseudomonas</i> . 2004 , 233-259	
1579	Chronic <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis airway disease: metabolic changes that unravel novel drug targets. 2004 , 2, 611-23	26
1578	A signaling network reciprocally regulates genes associated with acute infection and chronic persistence in <i>Pseudomonas aeruginosa</i> . 2004 , 7, 745-54	462
1577	Characterization of a second functional gene cluster for the catabolism of phenylacetic acid in <i>Pseudomonas</i> sp. strain Y2. 2004 , 341, 167-79	26
1576	Characterization of a rhodanese from the cyanogenic bacterium <i>Pseudomonas aeruginosa</i> . 2004 , 325, 85-90	26

1575	Message from a human gut symbiont: sensitivity is a prerequisite for sharing. 2004 , 12, 21-8	77
1574	High-level expression and characterization of a highly functional <i>Comamonas acidovorans</i> xanthine dehydrogenase in <i>Pseudomonas aeruginosa</i> . 2004 , 37, 72-82	3
1573	Transcriptome analysis of quorum-sensing regulation and virulence factor expression in <i>Pseudomonas aeruginosa</i> . 2004 , 22 Suppl 1, S15-20	62
1572	Analysis of regulatory networks in <i>Pseudomonas aeruginosa</i> by genomewide transcriptional profiling. 2004 , 7, 39-44	55
1571	Polarisation of type III translocation by <i>Pseudomonas aeruginosa</i> requires PcrG, PcrV and PopN. 2004 , 37, 313-22	35
1570	Development of tools for the genetic manipulation of <i>Pseudomonas aeruginosa</i> . 2004 , 58, 203-12	35
1569	The genetic basis for the commitment to chronic versus acute infection in <i>Pseudomonas aeruginosa</i> . 2004 , 16, 497-8	37
1568	Analysis of phenetic trees based on metabolic capabilities across the three domains of life. 2004 , 340, 491-512	27
1567	Structural analysis of <i>Escherichia coli</i> OpgG, a protein required for the biosynthesis of osmoregulated periplasmic glucans. 2004 , 342, 195-205	24
1566	Two genetic loci produce distinct carbohydrate-rich structural components of the <i>Pseudomonas aeruginosa</i> biofilm matrix. 2004 , 186, 4457-65	389
1565	Molecular determinants of <i>Listeria monocytogenes</i> virulence. 2004 , 58, 587-610	220
1564	Activation of SoxR-dependent transcription in <i>Pseudomonas aeruginosa</i> . 2004 , 136, 607-15	50
1563	Structural Proteomics: Inferring Function from Protein Structure. 2004 , 1, 59-65	12
1562	The periplasmic serine protease inhibitor ecotin protects bacteria against neutrophil elastase. 2004 , 379, 107-18	69
1561	Correlation profiles and motifs in complex networks. 2004 , 168-198	5
1560	Biosynthesis of Arginine and Polyamines. 2004 , 1,	16
1559	Reversing Gene Erosion Reconstructing Ancestral Bacterial Genomes from Gene-Content and Order Data. 2004 , 1-13	9
1558	Bacterial pathogens of man. 2005 ,	

1557	Porins of the Outer Membrane of <i>Pseudomonas aeruginosa</i> . 2005 , 61-77	3
1556	Completed Genomes: Bacteria and Archaea. 2005 , 464-500	
1555	RpoN (sigma54) controls production of antifungal compounds and biocontrol activity in <i>Pseudomonas fluorescens</i> CHA0. 2005 , 18, 260-72	51
1554	Analysis of a Bacterial Community in 3-Chlorobenzoate-Contaminated Soil by PCR-DGGE Targeting the 16S rRNA Gene and Benzoate 1,2-Dioxygenase Gene (benA). 2005 , 20, 151-159	22
1553	Scalable molecular dynamics. 2005 , 16, 287-299	2
1552	Quenched autoligation probes allow discrimination of live bacterial species by single nucleotide differences in rRNA. 2005 , 33, 4978-86	68
1551	Expression, purification, characterization and structure of <i>Pseudomonas aeruginosa</i> arylamine N-acetyltransferase. 2005 , 385, 605-12	62
1550	<i>Pseudomonas aeruginosa</i> MutL protein functions in <i>Escherichia coli</i> . 2005 , 388, 879-87	17
1549	Crystal structure of azoreductase AzoR from <i>Escherichia coli</i> . 2005 , 81, 225-228	4
1548	The <i>Pseudomonas chlororaphis</i> PCL1391 sigma regulator psrA represses the production of the antifungal metabolite phenazine-1-carboxamide. 2005 , 18, 244-53	49
1547	PscF is a major component of the <i>Pseudomonas aeruginosa</i> type III secretion needle. 2005 , 253, 95-101	45
1546	Iron and heme utilization in <i>Porphyromonas gingivalis</i> . 2005 , 29, 119-44	127
1545	Prokaryotic K(+) channels: from crystal structures to diversity. 2005 , 29, 961-85	78
1544	Inherent size constraints on prokaryote gene networks due to "accelerating" growth. 2005 , 123, 381-411	11
1543	The transcriptional regulator pool of the marine bacterium <i>Rhodopirellula baltica</i> SH 1T as revealed by whole genome comparisons. 2005 , 242, 137-45	15
1542	Relative expression of <i>Pseudomonas aeruginosa</i> virulence genes analyzed by a real time RT-PCR method during lung infection in rats. 2005 , 243, 271-8	20
1541	Novel target genes of PsrA transcriptional regulator of <i>Pseudomonas aeruginosa</i> . 2005 , 246, 175-81	25
1540	The <i>Pseudomonas aeruginosa</i> pirA gene encodes a second receptor for ferrienterobactin and synthetic catecholate analogues. 2005 , 246, 167-74	59

1539	Profiling the secretomes of plant pathogenic Proteobacteria. 2005 , 29, 331-360	40
1538	Crystallization, X-ray diffraction analysis and phasing of carboxylesterase PA3859 from <i>Pseudomonas aeruginosa</i> . 2005 , 1752, 197-201	12
1537	Agro-industrial oily wastes as substrates for PHA production by the new strain <i>Pseudomonas aeruginosa</i> NCIB 40045: Effect of culture conditions. 2005 , 26, 159-167	115
1536	The glycine decarboxylase complex is not essential for the cyanobacterium <i>Synechocystis</i> sp. strain PCC 6803. 2005 , 7, 15-22	39
1535	Activities of <i>Pseudomonas aeruginosa</i> effectors secreted by the Type III secretion system in vitro and during infection. 2005 , 73, 1695-705	173
1534	Role of the type III secreted exoenzymes S, T, and Y in systemic spread of <i>Pseudomonas aeruginosa</i> PAO1 in vivo. 2005 , 73, 1706-13	140
1533	Treatment and control of severe infections caused by multiresistant <i>Pseudomonas aeruginosa</i> . 2005 , 11 Suppl 4, 17-32	207
1532	Quorum sensing: the power of cooperation in the world of <i>Pseudomonas</i> . 2005 , 7, 459-71	285
1531	Evidence that WbpD is an N-acetyltransferase belonging to the hexapeptide acyltransferase superfamily and an important protein for O-antigen biosynthesis in <i>Pseudomonas aeruginosa</i> PAO1. 2005 , 57, 1288-303	28
1530	<i>Pseudomonas aeruginosa</i> fimL regulates multiple virulence functions by intersecting with Vfr-modulated pathways. 2005 , 55, 1357-78	79
1529	The origin and evolution of human pathogens. 2005 , 56, 1-7	37
1528	Weapons of mass retraction. 2005 , 57, 878-88	163
1527	The lipid A palmitoyltransferase PagP: molecular mechanisms and role in bacterial pathogenesis. 2005 , 57, 900-12	129
1526	Overexpression of <i>Mycobacterium tuberculosis</i> manB, a phosphomannomutase that increases phosphatidylinositol mannoside biosynthesis in <i>Mycobacterium smegmatis</i> and mycobacterial association with human macrophages. 2005 , 58, 774-90	40
1525	A nuclear gene of <i>Chlamydomonas reinhardtii</i> , Tba1, encodes a putative oxidoreductase required for translation of the chloroplast psbA mRNA. 2005 , 42, 341-52	31
1524	Lineage-specific regions in <i>Pseudomonas syringae</i> pv tomato DC3000. 2005 , 6, 53-64	14
1523	Complete genome sequence of the plant commensal <i>Pseudomonas fluorescens</i> Pf-5. 2005 , 23, 873-8	522
1522	Promoters in the environment: transcriptional regulation in its natural context. 2005 , 3, 105-18	171

1521	A DmpA-homologous protein from <i>Pseudomonas</i> sp. is a dipeptidase specific for beta-alanyl dipeptides. 2005 , 272, 3075-84	23
1520	Factors influencing the synonymous codon and amino acid usage bias in AT-rich <i>Pseudomonas aeruginosa</i> phage PhiKZ. 2005 , 37, 625-33	14
1519	Profiling the secretomes of plant pathogenic Proteobacteria. 2005 , 29, 331-60	37
1518	Physiological changes in <i>Campylobacter jejuni</i> on entry into stationary phase. 2005 , 101, 1-8	29
1517	Temporal and spatial expression of ostreolysin during development of the oyster mushroom (<i>Pleurotus ostreatus</i>). 2005 , 109, 377-382	27
1516	Involvement of DNA helicases in chromate resistance by <i>Pseudomonas aeruginosa</i> PAO1. 2005 , 578, 202-9	36
1515	Protein domains and architectural innovation in plant-associated Proteobacteria. 2005 , 6, 17	10
1514	Selecting representative model micro-organisms. 2005 , 5, 26	5
1513	An improved method for rapid generation of unmarked <i>Pseudomonas aeruginosa</i> deletion mutants. 2005 , 5, 30	208
1512	Genometrics as an essential tool for the assembly of whole genome sequences: the example of the chromosome of <i>Bifidobacterium longum</i> NCC2705. 2005 , 5, 60	9
1511	Natural restoration can generate biological complexity. 2005 , 11, 14-27	4
1510	Signal-amplifying genetic circuit enables in vivo observation of weak promoter activation in the Rhl quorum sensing system. 2005 , 89, 709-18	48
1509	Display of lipase on the cell surface of <i>Escherichia coli</i> using OprF as an anchor and its application to enantioselective resolution in organic solvent. 2005 , 90, 223-30	34
1508	Genome Sequencing and Analysis. 2005 , 43-73	2
1507	Isolation, characterization, and heterologous expression of a carboxylesterase of <i>Pseudomonas aeruginosa</i> PAO1. 2005 , 50, 102-9	20
1506	Identification, cloning, and expression of <i>Pseudomonas aeruginosa</i> phosphorylcholine phosphatase gene. 2005 , 50, 251-6	25
1505	Phosphonate catabolism by <i>Campylobacter</i> spp. 2005 , 183, 113-20	19
1504	The <i>Pseudomonas aeruginosa</i> PA14 type III secretion system is expressed but not essential to virulence in the <i>Caenorhabditis elegans</i> - <i>P. aeruginosa</i> pathogenicity model. 2005 , 242, 209-16	18

1503	GeneChip expression analysis of the VqsR regulon of <i>Pseudomonas aeruginosa</i> TB. 2005 , 242, 287-95	46
1502	Cloning and expression of a lipoxygenase from <i>Pseudomonas aeruginosa</i> 42A2. 2005 , 87, 245-51	33
1501	Cis-trans isomerase gene in psychrophilic <i>Pseudomonas syringae</i> is constitutively expressed during growth and under conditions of temperature and solvent stress. 2005 , 9, 117-25	38
1500	Expression, purification, crystallization and preliminary X-ray studies of the outer membrane efflux proteins OprM and OprN from <i>Pseudomonas aeruginosa</i> . 2005 , 61, 315-8	11
1499	Crystallization and preliminary X-ray analysis of AzoR (azoreductase) from <i>Escherichia coli</i> . 2005 , 61, 399-402	8
1498	Cloning, purification, crystallization and preliminary X-ray analysis of XC229, a conserved hypothetical protein from <i>Xanthomonas campestris</i> . 2005 , 61, 694-6	
1497	An indirect enzyme-linked immunosorbent assay for rapid and quantitative assessment of Type III virulence phenotypes of <i>Pseudomonas aeruginosa</i> isolates. 2005 , 4, 22	16
1496	Synergic interaction between ascorbic acid and antibiotics against <i>Pseudomonas aeruginosa</i> . 2005 , 48, 379-384	21
1495	Completed Genomes and the Tree of Life. 2005 , 395-435	
1494	<i>Pseudomonas aeruginosa</i> : Basic Research. 2005 , 34, 138-144	
1493	References. 2005 , 499-574	
1492	Combined <i>sacB</i> -based negative selection and <i>cre-lox</i> antibiotic marker recycling for efficient gene deletion in <i>pseudomonas aeruginosa</i> . 2005 , 38, 63-7	73
1491	Mapping of a YscY binding domain within the LcrH chaperone that is required for regulation of <i>Yersinia</i> type III secretion. 2005 , 187, 7738-52	19
1490	Evolutionary origins of genomic repertoires in bacteria. 2005 , 3, e130	267
1489	Two proteins mediate class II ribonucleotide reductase activity in <i>Pseudomonas aeruginosa</i> : expression and transcriptional analysis of the aerobic enzymes. 2005 , 280, 16571-8	27
1488	Role of lipid A palmitoylation in bacterial pathogenesis. 2005 , 11, 174-80	24
1487	Molecular basis of azithromycin-resistant <i>Pseudomonas aeruginosa</i> biofilms. 2005 , 49, 3858-67	148
1486	Characterization of the major secreted zinc metalloprotease- dependent glycerophospholipid:cholesterol acyltransferase, PlaC, of <i>Legionella pneumophila</i> . 2005 , 73, 2899-909	63

1485	Biochemical characterization of the <i>Campylobacter jejuni</i> Cj1294, a novel UDP-4-keto-6-deoxy-GlcNAc aminotransferase that generates UDP-4-amino-4,6-dideoxy-GalNAc. 2005 , 280, 20902-8	32
1484	<i>Pseudomonas aeruginosa</i> PAO1 genes for 3-guanidinopropionate and 4-guanidinobutyrate utilization may be derived from a common ancestor. 2005 , 151, 4055-4062	6
1483	Transcriptional regulation of the flavohemoglobin gene for aerobic nitric oxide detoxification by the second nitric oxide-responsive regulator of <i>Pseudomonas aeruginosa</i> . 2005 , 187, 3960-8	71
1482	KatA, the major catalase, is critical for osmoprotection and virulence in <i>Pseudomonas aeruginosa</i> PA14. 2005 , 73, 4399-403	77
1481	Mutations in PA2491 (<i>mexS</i>) promote MexT-dependent <i>mexEF-oprN</i> expression and multidrug resistance in a clinical strain of <i>Pseudomonas aeruginosa</i> . 2005 , 187, 1246-53	108
1480	<i>Pseudomonas aeruginosa</i> SoxR does not conform to the archetypal paradigm for SoxR-dependent regulation of the bacterial oxidative stress adaptive response. 2005 , 73, 2958-66	87
1479	Expression of the <i>psl</i> operon in <i>Pseudomonas aeruginosa</i> PAO1 biofilms: PslA performs an essential function in biofilm formation. 2005 , 71, 4407-13	67
1478	Quorum-sensing-negative (<i>lasR</i>) mutants of <i>Pseudomonas aeruginosa</i> avoid cell lysis and death. 2005 , 187, 4875-83	122
1477	Identification of four fimbria-encoding genomic islands that are highly specific for verocytotoxin-producing <i>Escherichia coli</i> serotype O157 strains. 2005 , 43, 3840-50	24
1476	Clonal relatedness and conserved integron structures in epidemiologically unrelated <i>Pseudomonas aeruginosa</i> strains producing the VIM-1 metallo- β -lactamase from different Italian hospitals. 2005 , 49, 104-10	61
1475	Substrate-dependent utilization of OprM or OpmH by the <i>Pseudomonas aeruginosa</i> MexJK efflux pump. 2005 , 49, 2133-6	45
1474	Nonmucoid <i>Pseudomonas aeruginosa</i> expresses alginate in the lungs of patients with cystic fibrosis and in a mouse model. 2005 , 192, 410-9	113
1473	Effects of intratracheal administration of novispirin G10 on a rat model of mucoid <i>Pseudomonas aeruginosa</i> lung infection. 2005 , 49, 3868-74	33
1472	Whole-genome sequence analysis of <i>Pseudomonas syringae</i> pv. phaseolicola 1448A reveals divergence among pathovars in genes involved in virulence and transposition. 2005 , 187, 6488-98	270
1471	Multiple and interconnected pathways for L-lysine catabolism in <i>Pseudomonas putida</i> KT2440. 2005 , 187, 7500-10	98
1470	<i>Staphylococcus aureus</i> serves as an iron source for <i>Pseudomonas aeruginosa</i> during in vivo coculture. 2005 , 187, 554-66	209
1469	A cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> displays enhanced virulence and antimicrobial resistance. 2005 , 187, 4908-20	160
1468	Identification of DNA markers for a transmissible <i>Pseudomonas aeruginosa</i> cystic fibrosis strain. 2005 , 33, 56-64	28

1467	Ciprofloxacin induction of a susceptibility determinant in <i>Pseudomonas aeruginosa</i> . 2005 , 49, 3222-7	119
1466	Evidence for two flagellar stators and their role in the motility of <i>Pseudomonas aeruginosa</i> . 2005 , 187, 771-7	133
1465	Regulation of the <i>Pseudomonas</i> sp. strain ADP cyanuric acid degradation operon. 2005 , 187, 155-67	62
1464	Polar localization of a soluble methyl-accepting protein of <i>Pseudomonas aeruginosa</i> . 2005 , 187, 7840-4	32
1463	A secreted regulatory protein couples transcription to the secretory activity of the <i>Pseudomonas aeruginosa</i> type III secretion system. 2005 , 102, 9930-5	98
1462	Structural and genetic characterization of enterohemorrhagic <i>Escherichia coli</i> O145 O antigen and development of an O145 serogroup-specific PCR assay. 2005 , 187, 758-64	59
1461	Isolation of a Myoinhibitory Peptide from <i>Leishmania major</i> (Kinetoplastida: Trypanosomatidae) and Its Function in the Vector Sand Fly <i>Phlebotomus papatasi</i> (Diptera: Phlebotomidae). 2005 , 42, 142-152	2
1460	Characterization of the MacA-MacB efflux system in <i>Neisseria gonorrhoeae</i> . 2005 , 56, 856-60	85
1459	Genome rearrangement distances and gene order phylogeny in gamma-Proteobacteria. 2005 , 22, 1456-67	103
1458	XcpX controls biogenesis of the <i>Pseudomonas aeruginosa</i> XcpT-containing pseudopilus. 2005 , 280, 31378-89	58
1457	<i>Corynebacterium</i> sp. U-96 contains a cluster of genes of enzymes for the catabolism of sarcosine to pyruvate. 2005 , 69, 952-6	14
1456	Adaptation to Life at High Salt Concentrations in Archaea, Bacteria, and Eukarya. 2005 ,	35
1455	Hypermutation is a key factor in development of multiple-antimicrobial resistance in <i>Pseudomonas aeruginosa</i> strains causing chronic lung infections. 2005 , 49, 3382-6	229
1454	Transcriptome profiling of bacterial responses to root exudates identifies genes involved in microbe-plant interactions. 2005 , 102, 17454-9	195
1453	Gene cloning and properties of the RND-type multidrug efflux pumps MexPQ-OpmE and MexMN-OprM from <i>Pseudomonas aeruginosa</i> . 2005 , 49, 999-1002	43
1452	Extracellular DNA in single- and multiple-species unsaturated biofilms. 2005 , 71, 5404-10	235
1451	Accelerating, hyperaccelerating, and decelerating networks. 2005 , 72, 016123	28
1450	Structure and function of bacterial super-biosystem responsible for import and depolymerization of macromolecules. 2005 , 69, 673-92	21

1449	Emerging Issues in the Management of Infections Caused by Multi-Drug-Resistant, Gram-Negative Bacilli. 2005 , 6, s-37-s-47	1
1448	Active site prediction for comparative model structures with thematic. 2005 , 3, 127-43	8
1447	Global transcriptome analysis of <i>Shewanella oneidensis</i> MR-1 exposed to different terminal electron acceptors. 2005 , 187, 7138-45	184
1446	DNA binding: a novel function of <i>Pseudomonas aeruginosa</i> type IV pili. 2005 , 187, 1455-64	108
1445	Quorum sensing negatively controls type III secretion regulon expression in <i>Pseudomonas aeruginosa</i> PAO1. 2005 , 187, 3898-902	104
1444	The PscE-PscF-PscG complex controls type III secretion needle biogenesis in <i>Pseudomonas aeruginosa</i> . 2005 , 280, 36293-300	59
1443	Reconstitution of a minimal DNA replicase from <i>Pseudomonas aeruginosa</i> and stimulation by non-cognate auxiliary factors. 2005 , 280, 7890-900	12
1442	Molecular mechanisms of beta-lactam resistance mediated by AmpC hyperproduction in <i>Pseudomonas aeruginosa</i> clinical strains. 2005 , 49, 4733-8	119
1441	Bacterial Virulence Factors and Rho GTPases. 2005 ,	1
1440	Genome-wide identification of <i>Pseudomonas aeruginosa</i> exported proteins using a consensus computational strategy combined with a laboratory-based PhoA fusion screen. 2005 , 15, 321-9	99
1439	Prc protease promotes mucoidy in mucA mutants of <i>Pseudomonas aeruginosa</i> . 2005 , 151, 2251-2261	44
1438	A single bifunctional UDP-GlcNAc/Glc 4-epimerase supports the synthesis of three cell surface glycoconjugates in <i>Campylobacter jejuni</i> . 2005 , 280, 4792-802	100
1437	Identification of oligonucleotide sequences that direct the movement of the <i>Escherichia coli</i> FtsK translocase. 2005 , 102, 17618-23	103
1436	Binding of <i>Pseudomonas aeruginosa</i> AlgZ to sites upstream of the algZ promoter leads to repression of transcription. 2005 , 187, 4430-43	25
1435	AmpC and OprD are not involved in the mechanism of imipenem hypersusceptibility among <i>Pseudomonas aeruginosa</i> isolates overexpressing the mexCD-oprJ efflux pump. 2005 , 49, 4763-6	23
1434	Genome-wide transcriptional profiling of the steady-state response of <i>Pseudomonas aeruginosa</i> to hydrogen peroxide. 2005 , 187, 2565-72	72
1433	Epimerase active domain of <i>Pseudomonas aeruginosa</i> AlgG, a protein that contains a right-handed beta-helix. 2005 , 187, 4573-83	28
1432	Multidrug-resistant <i>Pseudomonas aeruginosa</i> strain that caused an outbreak in a neurosurgery ward and its aac(6')-Iae gene cassette encoding a novel aminoglycoside acetyltransferase. 2005 , 49, 3734-42	62

1431	Prediction of functional class of novel bacterial proteins without the use of sequence similarity by a statistical learning method. 2005 , 9, 86-100	10
1430	Evidence for diversifying selection at the pyoverdine locus of <i>Pseudomonas aeruginosa</i> . 2005 , 187, 2138-47	129
1429	Pathogen-host interactions in <i>Pseudomonas aeruginosa</i> pneumonia. 2005 , 171, 1209-23	557
1428	Role of lipid A palmitoylation in bacterial pathogenesis. 2005 , 11, 174-180	19
1427	The MexGHI-OpmD multidrug efflux pump controls growth, antibiotic susceptibility and virulence in <i>Pseudomonas aeruginosa</i> via 4-quinolone-dependent cell-to-cell communication. 2005 , 151, 1113-1125	163
1426	Intracellular screen to identify metagenomic clones that induce or inhibit a quorum-sensing biosensor. 2005 , 71, 6335-44	171
1425	Characterization of a resistance-nodulation-cell division transporter system associated with the syr-syp genomic island of <i>Pseudomonas syringae</i> pv. <i>syringae</i> . 2005 , 71, 5056-65	41
1424	Transcriptome analysis of <i>Pseudomonas aeruginosa</i> growth: comparison of gene expression in planktonic cultures and developing and mature biofilms. 2005 , 187, 6571-6	138
1423	Levofloxacin-imipenem combination prevents the emergence of resistance among clinical isolates of <i>Pseudomonas aeruginosa</i> . 2005 , 40 Suppl 2, S105-14	36
1422	Use of phage display to identify potential <i>Pseudomonas aeruginosa</i> gene products relevant to early cystic fibrosis airway infections. 2005 , 73, 444-52	53
1421	Cloning and sequencing of a genomic island found in the Brazilian purpuric fever clone of <i>Haemophilus influenzae</i> biogroup <i>aegyptius</i> . 2005 , 73, 1927-38	15
1420	Alveolar response to <i>Pseudomonas aeruginosa</i> : role of the type III secretion system. 2005 , 73, 4263-71	37
1419	Calcium-induced virulence factors associated with the extracellular matrix of mucoid <i>Pseudomonas aeruginosa</i> biofilms. 2005 , 187, 4327-37	149
1418	Mutator effects in <i>Escherichia coli</i> caused by the expression of specific foreign genes. 2005 , 187, 5044-8	6
1417	Identification of a twin-arginine translocation system in <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000 and its contribution to pathogenicity and fitness. 2005 , 187, 8450-61	63
1416	Functional characterization of WaaL, a ligase associated with linking O-antigen polysaccharide to the core of <i>Pseudomonas aeruginosa</i> lipopolysaccharide. 2005 , 187, 3002-12	109
1415	Characterization of PmfR, the transcriptional activator of the pAO1-borne purU-mabO-fold operon of <i>Arthrobacter nicotinovorans</i> . 2005 , 187, 3062-70	17
1414	epsABCJ genes are involved in the biosynthesis of the exopolysaccharide mauran produced by <i>Halomonas maura</i> . 2005 , 151, 2841-2851	19

1413	Modulation of quorum sensing in <i>Pseudomonas aeruginosa</i> through alteration of membrane properties. 2005 , 151, 2529-2542	73
1412	Construction of a mini-Tn5-luxCDABE mutant library in <i>Pseudomonas aeruginosa</i> PAO1: a tool for identifying differentially regulated genes. 2005 , 15, 583-9	134
1411	PtrB of <i>Pseudomonas aeruginosa</i> suppresses the type III secretion system under the stress of DNA damage. 2005 , 187, 6058-68	49
1410	Sources of polyketides and non-ribosomal peptides. 2005 , 19-41	8
1409	Bacterial resistance to antibiotics: active efflux and reduced uptake. 2005 , 57, 1486-513	312
1408	Identification of chemosensory proteins for trichloroethylene in <i>Pseudomonas aeruginosa</i> . 2005 , 99, 396-402	41
1407	Comparative analyses of fundamental differences in membrane transport capabilities in prokaryotes and eukaryotes. 2005 , 1, e27	124
1406	Disruption of the glycolate dehydrogenase gene in the high-CO ₂ -requiring mutant HCR89 of <i>Chlamydomonas reinhardtii</i> . 2005 , 83, 820-833	53
1405	Opportunities for genetic investigation afforded by <i>Acinetobacter baylyi</i> , a nutritionally versatile bacterial species that is highly competent for natural transformation. 2005 , 59, 519-51	90
1404	Microarray analysis of toxicogenomic effects of peracetic acid on <i>Pseudomonas aeruginosa</i> . 2005 , 39, 5893-9	33
1403	<i>Pseudomonas aeruginosa</i> : the potential to immunise against infection. 2005 , 5, 967-82	24
1402	RecD plays an essential function during growth at low temperature in the antarctic bacterium <i>Pseudomonas syringae</i> Lz4W. 2005 , 170, 1473-84	23
1401	Genomic blueprint of <i>Hahella chejuensis</i> , a marine microbe producing an algicidal agent. 2005 , 33, 7066-73	122
1400	A slow, tight-binding inhibitor of the zinc-dependent deacetylase LpxC of lipid A biosynthesis with antibiotic activity comparable to ciprofloxacin. 2005 , 44, 16574-83	120
1399	Effect of pH on the pore forming activity and conformational stability of ostreolysin, a lipid raft-binding protein from the edible mushroom <i>Pleurotus ostreatus</i> . 2005 , 44, 11137-47	44
1398	Novel lectin-like bacteriocins of biocontrol strain <i>Pseudomonas fluorescens</i> Pf-5. 2005 , 71, 5197-207	83
1397	A three-dimensional cryo-electron microscopy structure of the bacteriophage phiKZ head. 2005 , 352, 117-24	54
1396	<i>Aspergillus fumigatus</i> : saprophyte or pathogen?. 2005 , 8, 385-92	276

1395	Mutations in the cueA gene encoding a copper homeostasis P-type ATPase reduce the pathogenicity of <i>Pseudomonas aeruginosa</i> in mice. 2005 , 295, 237-42	66
1394	Trimeric structure of OprN and OprM efflux proteins from <i>Pseudomonas aeruginosa</i> , by 2D electron crystallography. 2005 , 150, 50-7	15
1393	<i>Amphioxus</i> allantoicase: molecular cloning, expression and enzymatic activity. 2005 , 141, 237-43	2
1392	Site-directed mutagenesis and homology modeling indicate an important role of cysteine 439 in the stability of betaine aldehyde dehydrogenase from <i>Pseudomonas aeruginosa</i> . 2005 , 87, 1056-64	14
1391	[Epidemiology of nosocomial infections due to <i>Pseudomonas aeruginosa</i> , <i>Burkholderia cepacia</i> and <i>Stenotrophomonas maltophilia</i>]. 2005 , 53, 341-8	13
1390	Cloning, high yield overexpression, purification, and characterization of AlgH, a regulator of alginate biosynthesis in <i>Pseudomonas aeruginosa</i> . 2005 , 43, 57-64	3
1389	Can laboratory reference strains mirror "real-world" pathogenesis?. 2005 , 13, 58-63	170
1388	Type II secretion: a protein secretion system for all seasons. 2005 , 13, 581-8	269
1387	Extracytoplasmic function sigma factors in <i>Pseudomonas syringae</i> . 2005 , 13, 565-8	21
1386	Cloning of alanine racemase genes from <i>Pseudomonas fluorescens</i> strains and oligomerization states of gene products expressed in <i>Escherichia coli</i> . 2005 , 100, 409-17	17
1385	Mechanisms of resistance to beta-lactams in some common Gram-negative bacteria causing nosocomial infections. 2005 , 3, 915-22	24
1384	<i>Pseudomonas fluorescens</i> . 2005 , 45-66	6
1383	Recognition of host immune activation by <i>Pseudomonas aeruginosa</i> . 2005 , 309, 774-7	256
1382	Genomic analysis reveals that <i>Pseudomonas aeruginosa</i> virulence is combinatorial. 2006 , 7, R90	376
1381	Analysis of gene expression in operons of <i>Streptomyces coelicolor</i> . 2006 , 7, R46	32
1380	Oxygen, cyanide and energy generation in the cystic fibrosis pathogen <i>Pseudomonas aeruginosa</i> . 2007 , 52, 1-71	122
1379	Systems Biology and Regulatory Genomics. 2006 ,	
1378	<i>Pseudomonas</i> . 2006 ,	4

1377	Nonmedical: <i>Pseudomonas</i> . 2006 , 646-703	87
1376	The <i>Burkholderia cepacia</i> <i>rpoE</i> gene is not involved in exopolysaccharide production and onion pathogenicity. 2006 , 52, 260-5	9
1375	Structural studies of Apo NosL, an accessory protein of the nitrous oxide reductase system: insights from structural homology with MerB, a mercury resistance protein. 2006 , 45, 12240-52	28
1374	Bacterial biofilm inhibitors from <i>Diospyros dendo</i> . 2006 , 69, 118-20	59
1373	Invited review: Diversity of endotoxin and its impact on pathogenesis. 2006 , 12, 205-223	23
1372	Biosynthesis of Antibiotics by PGPR and its Relation in Biocontrol of Plant Diseases. 2005 , 67-109	29
1371	Multiple sensors control reciprocal expression of <i>Pseudomonas aeruginosa</i> regulatory RNA and virulence genes. 2006 , 103, 171-6	339
1370	Comparison of enzymatic and antifungal properties between family 18 and 19 chitinases from <i>S. coelicolor</i> A3(2). 2006 , 70, 988-98	102
1369	Involvement of nitric oxide in biofilm dispersal of <i>Pseudomonas aeruginosa</i> . 2006 , 188, 7344-53	576
1368	Genome-wide prediction of G4 DNA as regulatory motifs: role in <i>Escherichia coli</i> global regulation. 2006 , 16, 644-55	249
1367	Defects in a quinol oxidase lead to loss of KatC catalase activity in <i>Pseudomonas aeruginosa</i> : KatC activity is temperature dependent and it requires an intact disulphide bond formation system. 2006 , 341, 697-702	16
1366	Production and properties of the native <i>Chromobacterium violaceum</i> fucose-binding lectin (CV-IIL) compared to homologous lectins of <i>Pseudomonas aeruginosa</i> (PA-IIL) and <i>Ralstonia solanacearum</i> (RS-IIL). 2006 , 152, 457-463	27
1365	In Vivo Functional Genomics of <i>Pseudomonas</i> : PCR-Based Signature-Tagged Mutagenesis. 2006 , 99-120	2
1364	Treatment of <i>Pseudomonas aeruginosa</i> infection in critically ill patients. 2006 , 4, 639-62	13
1363	PGPR: Biocontrol and Biofertilization. 2006 ,	32
1362	Unusual entropy-driven affinity of <i>Chromobacterium violaceum</i> lectin CV-IIL toward fucose and mannose. 2006 , 45, 7501-10	33
1361	Annotating enzymes of unknown function: N-formimino-L-glutamate deiminase is a member of the amidohydrolase superfamily. 2006 , 45, 1997-2005	32
1360	xBASE, a collection of online databases for bacterial comparative genomics. 2006 , 34, D335-7	60

1359	Contribution of the PhoP-PhoQ and PmrA-PmrB two-component regulatory systems to Mg ²⁺ -induced gene regulation in <i>Pseudomonas aeruginosa</i> . 2006 , 188, 3995-4006	150
1358	Characterization of a nonspecific phosphopantetheinyl transferase from <i>Pseudomonas syringae</i> pv. <i>syringae</i> FF5. 2006 , 446, 167-74	9
1357	Alg44, a unique protein required for alginate biosynthesis in <i>Pseudomonas aeruginosa</i> . 2006 , 580, 3883-8	70
1356	Crystal structure of PilF: functional implication in the type 4 pilus biogenesis in <i>Pseudomonas aeruginosa</i> . 2006 , 340, 1028-38	49
1355	Identification and characterization of a putative ABC transporter PltHIJKN required for pyoluteorin production in <i>Pseudomonas</i> sp. M18. 2006 , 376, 68-78	37
1354	Quorum quenching by an N-acyl-homoserine lactone acylase from <i>Pseudomonas aeruginosa</i> PAO1. 2006 , 74, 1673-82	262
1353	Identification of QuiP, the product of gene PA1032, as the second acyl-homoserine lactone acylase of <i>Pseudomonas aeruginosa</i> PAO1. 2006 , 72, 1190-7	131
1352	Targeting mechanisms of <i>Pseudomonas aeruginosa</i> pathogenesis. 2006 , 36, 78-91	193
1351	Binding properties of pyochelin and structurally related molecules to FptA of <i>Pseudomonas aeruginosa</i> . 2006 , 357, 1437-48	44
1350	Uncovering a hidden distributed architecture behind scale-free transcriptional regulatory networks. 2006 , 360, 204-12	61
1349	A 10-min method for preparation of highly electrocompetent <i>Pseudomonas aeruginosa</i> cells: application for DNA fragment transfer between chromosomes and plasmid transformation. 2006 , 64, 391-7	627
1348	Construction and characterization of a highly redundant <i>Pseudomonas aeruginosa</i> genomic library prepared from 12 clinical isolates: application to studies of gene distribution among populations. 2006 , 70, 1891-900	4
1347	Dysregulated interleukin-8 secretion and NF-kappaB activity in human cystic fibrosis nasal epithelial cells. 2006 , 5, 113-9	63
1346	Expression, purification, and characterization of <i>Pseudomonas aeruginosa</i> SecA. 2006 , 50, 179-84	6
1345	The genome of the filamentous fungus <i>Ashbya gossypii</i> : annotation and evolutionary implications. 197-232	2
1344	Polymorphism of the rDNA and tDNA loci in clinical isolates of <i>Pseudomonas aeruginosa</i> : a perspective for molecular epidemiology surveillance. 2006 , 29, 722-729	4
1343	Quorum sensing and regulation of <i>Pseudomonas aeruginosa</i> infections. 1-22	1
1342	LuxS in cellular metabolism and cell-to-cell signaling. 117-150	1

1341 *Listeriae*. **2006**,

1340	Two novel MvaT-like global regulators control exoproduct formation and biocontrol activity in root-associated <i>Pseudomonas fluorescens</i> CHA0. 2006 , 19, 313-29	41
1339	KmrA multidrug efflux pump from <i>Klebsiella pneumoniae</i> . 2006 , 29, 550-3	30
1338	Genomics of <i>Listeria monocytogenes</i> . 2006 , 339-366	0
1337	The Role of Glutathione Mediated Oxidative Stress Response Mechanisms in Nitrifying Bacteria. 2006 , 2006, 6574-6592	1
1336	Gene cassette-associated sequences from phosphorus and non-phosphorus removing microbial communities in aerobic:anaerobic sequencing batch reactors. 2006 , 54, 55-61	25
1335	12 Reversible methylation of glutamate residues in the receptor proteins of bacterial sensory systems. 2006 , 24, 325-82	7
1334	Crystallization, data collection and phasing of the molybdate-binding protein of the phytopathogen <i>Xanthomonas axonopodis</i> pv. <i>citri</i> . 2006 , 62, 289-91	5
1333	Identification of multi-drug resistant <i>Pseudomonas aeruginosa</i> clinical isolates that are highly disruptive to the intestinal epithelial barrier. 2006 , 5, 14	43
1332	An important role of a "probable ATP-binding component of ABC transporter" during the process of <i>Pseudomonas aeruginosa</i> resistance to fluoroquinolone. 2006 , 6, 2495-503	17
1331	1.6 Å crystal structure of a PA2721 protein from <i>Pseudomonas aeruginosa</i> --a potential drug-resistance protein. 2006 , 63, 1102-5	2
1330	NMR structure of protein PA2021 from <i>Pseudomonas aeruginosa</i> . 2006 , 65, 767-70	1
1329	Genomic comparisons among gamma-proteobacteria. 2006 , 8, 273-88	12
1328	Detection of phosphonoacetate degradation and <i>phnA</i> genes in soil bacteria from distinct geographical origins suggest its possible biogenic origin. 2006 , 8, 939-45	22
1327	Genetic analysis of a multiresistant strain of <i>Pseudomonas aeruginosa</i> producing PER-1 beta-lactamase. 2006 , 12, 270-8	27
1326	Development and evaluation of a new PCR assay for detection of <i>Pseudomonas aeruginosa</i> D genotype. 2006 , 12, 761-8	2
1325	Analysis of antibiotic resistance gene expression in <i>Pseudomonas aeruginosa</i> by quantitative real-time-PCR. 2006 , 254, 217-25	162
1324	Aerobic activation of transcription of the anaerobically inducible <i>Escherichia coli</i> <i>focA-pfl</i> operon by fumarate nitrate regulator. 2006 , 255, 262-7	8

1323	Genome mapping of <i>Arcobacter butzleri</i> . 2006 , 256, 290-7	3
1322	Involvement of two related porins, OprD and OpdP, in the uptake of arginine by <i>Pseudomonas aeruginosa</i> . 2006 , 260, 23-9	30
1321	Initial characterization of a bolA homologue from <i>Pseudomonas fluorescens</i> indicates different roles for BolA-like proteins in <i>P. fluorescens</i> and <i>Escherichia coli</i> . 2006 , 262, 48-56	12
1320	A novel ICE in the genome of <i>Shewanella putrefaciens</i> W3-18-1: comparison with the SXT/R391 ICE-like elements. 2006 , 264, 80-8	52
1319	Regulation of quorum sensing in <i>Pseudomonas</i> . 2006 , 30, 274-91	314
1318	Molecular-based strategies to exploit <i>Pseudomonas</i> biocontrol strains for environmental biotechnology applications. 2006 , 56, 167-77	59
1317	Isolation and characterization of <i>Legionella</i> spp. and <i>Pseudomonas</i> spp. from greenhouse misting systems. 2006 , 100, 1239-50	5
1316	Activity of purified QscR, a <i>Pseudomonas aeruginosa</i> orphan quorum-sensing transcription factor. 2006 , 59, 602-9	191
1315	A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. 2006 , 59, 1114-28	719
1314	Analysis of FimX, a phosphodiesterase that governs twitching motility in <i>Pseudomonas aeruginosa</i> . 2006 , 60, 1026-43	167
1313	Two different <i>Pseudomonas aeruginosa</i> chemosensory signal transduction complexes localize to cell poles and form and remould in stationary phase. 2006 , 61, 106-18	73
1312	The phenazine pyocyanin is a terminal signalling factor in the quorum sensing network of <i>Pseudomonas aeruginosa</i> . 2006 , 61, 1308-21	509
1311	PBP3 inhibition elicits adaptive responses in <i>Pseudomonas aeruginosa</i> . 2006 , 62, 84-99	82
1310	Antibacterial discovery and development--the failure of success?. 2006 , 24, 1497-503	172
1309	Complete genome sequence of the entomopathogenic and metabolically versatile soil bacterium <i>Pseudomonas entomophila</i> . 2006 , 24, 673-9	205
1308	Genome sequence of the ubiquitous hydrocarbon-degrading marine bacterium <i>Alcanivorax borkumensis</i> . 2006 , 24, 997-1004	350
1307	DNA sequencing and transcriptional analysis of the kasugamycin biosynthetic gene cluster from <i>Streptomyces kasugaensis</i> M338-M1. 2006 , 59, 18-28	21
1306	Evaluating the genetic diversity of dioxygenases for initial catabolism of aromatic hydrocarbons in <i>Pseudomonas rhodesiae</i> KK1. 2006 , 40, 71-78	7

1305	Overexpression of <i>Saccharomyces cerevisiae</i> mannitol dehydrogenase gene (YEL070w) in glycerol synthesis-deficient <i>S. Cerevisiae</i> mutant. 2006 , 39, 654-659	4
1304	Purification and characterization of a novel catechol 1,2-dioxygenase from <i>Pseudomonas aeruginosa</i> with benzoic acid as a carbon source. 2006 , 41, 1594-1601	35
1303	The impact of comparative genomics on infectious disease research. 2006 , 8, 1613-22	19
1302	Identification of inducible protein complexes in the phenol degrader <i>Pseudomonas</i> sp. strain phDV1 by blue native gel electrophoresis and mass spectrometry. 2006 , 30, 63-72	24
1301	Zystische Fibrose. 2006 , 3, 325-339	0
1300	Identification of genes regulated by changing salinity in the deep-sea bacterium <i>Shewanella</i> sp. WP3 using RNA arbitrarily primed PCR. 2006 , 10, 97-104	25
1299	A membrane-bound nitrate reductase encoded by the narGHJ operon is responsible for anaerobic respiration in <i>Halomonas maura</i> . 2006 , 10, 411-9	8
1298	Exploiting new systems-based strategies to elucidate plant-bacterial interactions in the rhizosphere. 2006 , 51, 257-66	68
1297	Occurrence and expression of tricarboxylate synthases in <i>Ralstonia eutropha</i> . 2006 , 71, 80-9	7
1296	ISPa20 advances the individual evolution of <i>Pseudomonas aeruginosa</i> clone C subclone C13 strains isolated from cystic fibrosis patients by insertional mutagenesis and genomic rearrangements. 2006 , 185, 245-54	15
1295	3-Methylglutaconyl-CoA hydratase from <i>Acinetobacter</i> sp. 2006 , 185, 297-306	6
1294	Unmet medical needs in antibacterial therapy. 2006 , 71, 991-5	121
1293	Evolution of transcriptional regulatory networks in microbial genomes. 2006 , 16, 420-9	56
1292	Functional analysis of two putative chromosomal replication origins from <i>Pseudomonas aeruginosa</i> . 2006 , 55, 194-200	6
1291	Sequence and analysis of the 46.6-kb plasmid pA1 from <i>Sphingomonas</i> sp. A1 that corresponds to the typical IncP-1beta plasmid backbone without any accessory gene. 2006 , 56, 11-23	30
1290	The inventory and chemical characterization of dissolved proteins in oceanic waters. 2006 , 69, 1-18	23
1289	An unsupervised classification scheme for improving predictions of prokaryotic TIS. 2006 , 7, 121	20
1288	Clustering of <i>Pseudomonas aeruginosa</i> transcriptomes from planktonic cultures, developing and mature biofilms reveals distinct expression profiles. 2006 , 7, 162	110

1287	The Glenn A. Fry award lecture 2005. The pathogenesis of contact lens-related keratitis. 2006 , 83, 866-73	43
1286	Community annotation: procedures, protocols, and supporting tools. 2006 , 16, 1329-33	39
1285	Characterization of the beta-ketoadipate pathway in <i>Sinorhizobium meliloti</i> . 2006 , 72, 5403-13	54
1284	Role of the novel OprD family of porins in nutrient uptake in <i>Pseudomonas aeruginosa</i> . 2006 , 188, 45-54	108
1283	The <i>atu</i> and <i>liu</i> clusters are involved in the catabolic pathways for acyclic monoterpenes and leucine in <i>Pseudomonas aeruginosa</i> . 2006 , 72, 2070-9	44
1282	Antibiotic inducibility of the MexXY multidrug efflux system of <i>Pseudomonas aeruginosa</i> : involvement of the antibiotic-inducible PA5471 gene product. 2006 , 188, 1847-55	103
1281	Defining the <i>Pseudomonas aeruginosa</i> SOS response and its role in the global response to the antibiotic ciprofloxacin. 2006 , 188, 7101-10	176
1280	Diversity of endotoxin and its impact on pathogenesis. 2006 , 12, 205-23	235
1279	<i>Pseudomonas aeruginosa</i> inhibits endocytic recycling of CFTR in polarized human airway epithelial cells. 2006 , 290, C862-72	61
1278	Cell signaling underlying the pathophysiology of pneumonia. 2006 , 291, L297-300	21
1277	Development of a diagnostic test for the Midlands 1 cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> . 2006 , 55, 1085-1091	13
1276	Characterization of the genes encoding the 3-carboxy-cis,cis-muconate-lactonizing enzymes from the 4-sulfocatechol degradative pathways of <i>Hydrogenophaga intermedia</i> S1 and <i>Agrobacterium radiobacter</i> S2. 2006 , 152, 3207-3216	13
1275	Efficacy and potential for resistance selection of antipseudomonal treatments in a mouse model of lung infection by hypermutable <i>Pseudomonas aeruginosa</i> . 2006 , 50, 975-83	68
1274	Role of <i>Pseudomonas aeruginosa</i> <i>dinB</i> -encoded DNA polymerase IV in mutagenesis. 2006 , 188, 8573-85	56
1273	<i>PsrA</i> is a positive transcriptional regulator of the type III secretion system in <i>Pseudomonas aeruginosa</i> . 2006 , 74, 1121-9	45
1272	Identification of novel benzoylformate decarboxylases by growth selection. 2006 , 72, 7510-7	24
1271	Membrane Computing. 2006 ,	2
1270	Characterization of DNA-binding specificity and analysis of binding sites of the <i>Pseudomonas aeruginosa</i> global regulator, <i>Vfr</i> , a homologue of the <i>Escherichia coli</i> cAMP receptor protein. 2006 , 152, 3485-3496	58

1269	FlhF is required for swimming and swarming in <i>Pseudomonas aeruginosa</i> . 2006 , 188, 6995-7004	133
1268	Reverse engineering antibiotic sensitivity in a multidrug-resistant <i>Pseudomonas aeruginosa</i> isolate. 2006 , 50, 2506-15	9
1267	Involvement of NarK1 and NarK2 proteins in transport of nitrate and nitrite in the denitrifying bacterium <i>Pseudomonas aeruginosa</i> PAO1. 2006 , 72, 695-701	37
1266	Succinate-mediated catabolite repression control on the production of glycine betaine catabolic enzymes in <i>Pseudomonas aeruginosa</i> PAO1 under low and elevated salinities. 2006 , 152, 1395-1406	35
1265	Mapping the <i>Sinorhizobium meliloti</i> 1021 solute-binding protein-dependent transportome. 2006 , 103, 17933-8	118
1264	<i>Pseudomonas aeruginosa</i> infection of airway epithelial cells modulates expression of Kruppel-like factors 2 and 6 via RsmA-mediated regulation of type III exoenzymes S and Y. 2006 , 74, 5893-902	30
1263	Use of suppression subtractive hybridization to examine the accessory genome of the Liverpool cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> . 2006 , 55, 677-688	25
1262	FppA, a novel <i>Pseudomonas aeruginosa</i> prepilin peptidase involved in assembly of type IVb pili. 2006 , 188, 4851-60	64
1261	Comparative genomics of multidrug resistance in <i>Acinetobacter baumannii</i> . 2006 , 2, e7	553
1260	Interaction of TonB with the outer membrane receptor FpvA of <i>Pseudomonas aeruginosa</i> . 2006 , 188, 5752-61	29
1259	Power Laws, Scale-Free Networks and Genome Biology. 2006 ,	22
1258	Interstrain transfer of the large pathogenicity island (PAPI-1) of <i>Pseudomonas aeruginosa</i> . 2006 , 103, 19830-5	97
1257	Crystal structure of 2-nitropropane dioxygenase complexed with FMN and substrate. Identification of the catalytic base. 2006 , 281, 18660-7	35
1256	Diversity of the genus <i>Lactobacillus</i> revealed by comparative genomics of five species. 2006 , 152, 3185-3196	102
1255	Stepwise upregulation of the <i>Pseudomonas aeruginosa</i> chromosomal cephalosporinase conferring high-level beta-lactam resistance involves three AmpD homologues. 2006 , 50, 1780-7	124
1254	Mutational analysis of RetS, an unusual sensor kinase-response regulator hybrid required for <i>Pseudomonas aeruginosa</i> virulence. 2006 , 74, 4462-73	66
1253	Genomic and functional analysis of the IncP-9 naphthalene-catabolic plasmid NAH7 and its transposon Tn4655 suggests catabolic gene spread by a tyrosine recombinase. 2006 , 188, 4057-67	84
1252	Knockout and overexpression of pyrroloquinoline quinone biosynthetic genes in <i>Gluconobacter oxydans</i> 621H. 2006 , 188, 7668-76	64

1251	Survival and growth in the presence of elevated copper: transcriptional profiling of copper-stressed <i>Pseudomonas aeruginosa</i> . 2006 , 188, 7242-56	222
1250	Use of silkworm larvae to study pathogenic bacterial toxins. 2006 , 140, 439-44	28
1249	MetaCyc: a multiorganism database of metabolic pathways and enzymes. 2006 , 34, D511-6	274
1248	Challenges in identifying new antimicrobial agents effective for treating infections with <i>Acinetobacter baumannii</i> and <i>Pseudomonas aeruginosa</i> . 2006 , 43 Suppl 2, S100-5	127
1247	Biogenesis and Function of Type IV Pili in <i>Pseudomonas</i> Species. 2006 , 139-188	11
1246	The genome sequence of the obligately chemolithoautotrophic, facultatively anaerobic bacterium <i>Thiobacillus denitrificans</i> . 2006 , 188, 1473-88	252
1245	Acquisition and evolution of the <i>exoU</i> locus in <i>Pseudomonas aeruginosa</i> . 2006 , 188, 4037-50	88
1244	Molecular validation of LpxC as an antibacterial drug target in <i>Pseudomonas aeruginosa</i> . 2006 , 50, 2178-84	65
1243	Two residues in the anticodon recognition domain of the aspartyl-tRNA synthetase from <i>Pseudomonas aeruginosa</i> are individually implicated in the recognition of tRNA ^{Asn} . 2006 , 188, 269-74	18
1242	A distinct QscR regulon in the <i>Pseudomonas aeruginosa</i> quorum-sensing circuit. 2006 , 188, 3365-70	170
1241	Identification of pyruvate carboxylase genes in <i>Pseudomonas aeruginosa</i> PAO1 and development of a <i>P. aeruginosa</i> -based overexpression system for alpha4- and alpha4beta4-type pyruvate carboxylases. 2006 , 72, 7785-92	18
1240	Microarray analysis of the osmotic stress response in <i>Pseudomonas aeruginosa</i> . 2006 , 188, 2721-5	81
1239	Identification of genes and proteins necessary for catabolism of acyclic terpenes and leucine/isovalerate in <i>Pseudomonas aeruginosa</i> . 2006 , 72, 4819-28	51
1238	RhlR expression in <i>Pseudomonas aeruginosa</i> is modulated by the <i>Pseudomonas</i> quinolone signal via PhoB-dependent and -independent pathways. 2006 , 188, 8601-6	124
1237	Extensive genomic plasticity in <i>Pseudomonas aeruginosa</i> revealed by identification and distribution studies of novel genes among clinical isolates. 2006 , 74, 5272-83	52
1236	Characterization and a role of <i>Pseudomonas aeruginosa</i> spermidine dehydrogenase in polyamine catabolism. 2006 , 152, 2265-2272	31
1235	<i>Pseudomonas aeruginosa</i> LecB is involved in pilus biogenesis and protease IV activity but not in adhesion to respiratory mucins. 2006 , 74, 7035-9	24
1234	The genome sequence of <i>Mannheimia haemolytica</i> A1: insights into virulence, natural competence, and Pasteurellaceae phylogeny. 2006 , 188, 7257-66	73

1233	An ordered, nonredundant library of <i>Pseudomonas aeruginosa</i> strain PA14 transposon insertion mutants. 2006 , 103, 2833-8	707
1232	Regulated proteolysis controls mucoid conversion in <i>Pseudomonas aeruginosa</i> . 2007 , 104, 8107-12	114
1231	Population structure of <i>Pseudomonas aeruginosa</i> . 2007 , 104, 8101-6	237
1230	Resistance mechanisms of multiresistant <i>Pseudomonas aeruginosa</i> strains from Germany and correlation with hypermutation. 2007 , 51, 4062-70	141
1229	Ceramidase enhances phospholipase C-induced hemolysis by <i>Pseudomonas aeruginosa</i> . 2007 , 282, 6021-30	21
1228	Identification of genes involved in swarming motility using a <i>Pseudomonas aeruginosa</i> PAO1 mini-Tn5-lux mutant library. 2007 , 189, 2164-9	145
1227	Assembly of fimbrial structures in <i>Pseudomonas aeruginosa</i> : functionality and specificity of chaperone-usher machineries. 2007 , 189, 3547-55	63
1226	Evolution of the chaperone/usher assembly pathway: fimbrial classification goes Greek. 2007 , 71, 551-75	234
1225	Glyoxylate and pyruvate are antagonistic effectors of the <i>Escherichia coli</i> IclR transcriptional regulator. 2007 , 282, 16476-91	62
1224	Manual curation is not sufficient for annotation of genomic databases. 2007 , 23, i41-8	161
1223	Inactivation of the mismatch repair system in <i>Pseudomonas aeruginosa</i> attenuates virulence but favors persistence of oropharyngeal colonization in cystic fibrosis mice. 2007 , 189, 3665-8	41
1222	Identification and characterization of TriABC-OpmH, a triclosan efflux pump of <i>Pseudomonas aeruginosa</i> requiring two membrane fusion proteins. 2007 , 189, 7600-9	103
1221	In vivo imaging and genetic analysis link bacterial motility and symbiosis in the zebrafish gut. 2007 , 104, 7622-7	117
1220	Characterization of OpdH, a <i>Pseudomonas aeruginosa</i> porin involved in the uptake of tricarboxylates. 2007 , 189, 929-39	30
1219	Protective immunity to <i>Pseudomonas aeruginosa</i> induced with a capsid-modified adenovirus expressing <i>P. aeruginosa</i> OprF. 2007 , 81, 13801-8	51
1218	Diversity of the abundant pKLC102/PAGI-2 family of genomic islands in <i>Pseudomonas aeruginosa</i> . 2007 , 189, 2443-59	96
1217	<i>Pseudomonas aeruginosa</i> infection destroys the barrier function of lung epithelium and enhances polyplex-mediated transfection. 2007 , 18, 642-52	39
1216	A combined phenotypic and genotypic method for the detection of Mex efflux pumps in <i>Pseudomonas aeruginosa</i> . 2007 , 59, 378-86	58

1215	High-throughput screens for small-molecule inhibitors of <i>Pseudomonas aeruginosa</i> biofilm development. 2007 , 51, 3582-90	107
1214	Function of penicillin-binding protein 2 in viability and morphology of <i>Pseudomonas aeruginosa</i> . 2007 , 59, 411-24	27
1213	Corneal virulence of <i>Pseudomonas aeruginosa</i> elastase B and alkaline protease produced by <i>Pseudomonas putida</i> . 2007 , 32, 373-86	30
1212	Identification of a malate chemoreceptor in <i>Pseudomonas aeruginosa</i> by screening for chemotaxis defects in an energy taxis-deficient mutant. 2007 , 73, 7793-5	58
1211	Coexistence of two distinct versions of O-antigen polymerase, Wzy-alpha and Wzy-beta, in <i>Pseudomonas aeruginosa</i> serogroup O2 and their contributions to cell surface diversity. 2007 , 189, 4141-52	15
1210	Gene duplication models for directed networks with limits on growth. 2007 , 2007, P11007-P11007	14
1209	Impact of alginate conditioning film on deposition kinetics of motile and nonmotile <i>Pseudomonas aeruginosa</i> strains. 2007 , 73, 5227-34	77
1208	Diversity in the oligomeric channel structure of the multidrug efflux pumps in <i>Pseudomonas aeruginosa</i> . 2007 , 51, 47-52	3
1207	Development of resistance to biocides used in vinyl. 2007 , 13, 136-137	1
1206	Cumulative effects of several nonenzymatic mechanisms on the resistance of <i>Pseudomonas aeruginosa</i> to aminoglycosides. 2007 , 51, 1016-21	79
1205	<i>Bacillus subtilis</i> genome diversity. 2007 , 189, 1163-70	85
1204	Maggot excretions/secretions are differentially effective against biofilms of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . 2008 , 61, 117-22	104
1203	Quorum-sensing blockade as a strategy for enhancing host defences against bacterial pathogens. 2007 , 362, 1213-22	133
1202	Source-sink dynamics shape the evolution of antibiotic resistance and its pleiotropic fitness cost. 2007 , 274, 2351-6	78
1201	Chloramphenicol is a substrate for a novel nitroreductase pathway in <i>Haemophilus influenzae</i> . 2007 , 51, 2820-9	26
1200	Functional genomics enables identification of genes of the arginine transaminase pathway in <i>Pseudomonas aeruginosa</i> . 2007 , 189, 3945-53	43
1199	A high-throughput, homogeneous, bioluminescent assay for <i>Pseudomonas aeruginosa</i> gyrase inhibitors and other DNA-damaging agents. 2007 , 12, 855-64	28
1198	Stability of a promiscuous plasmid in different hosts: no guarantee for a long-term relationship. 2007 , 153, 452-463	149

1197	Characterization of the integrated filamentous phage PF5 and its involvement in small-colony formation. 2007 , 153, 1790-1798	39
1196	Development of resistance in wild-type and hypermutable <i>Pseudomonas aeruginosa</i> strains exposed to clinical pharmacokinetic profiles of meropenem and ceftazidime simulated in vitro. 2007 , 51, 3642-9	23
1195	Artificial control of nitrate respiration through the lac promoter permits the assessment of oxygen-mediated posttranslational regulation of the nar operon in <i>Pseudomonas aeruginosa</i> . 2007 , 189, 6501-5	2
1194	Biological cost of hypermutation in <i>Pseudomonas aeruginosa</i> strains from patients with cystic fibrosis. 2007 , 153, 1445-1454	70
1193	The recombination-associated protein RdgC adopts a novel toroidal architecture for DNA binding. 2007 , 35, 2671-81	5
1192	Universal patterns of purifying selection at noncoding positions in bacteria. 2008 , 18, 148-60	44
1191	Adaptive divergence in experimental populations of <i>Pseudomonas fluorescens</i> . III. Mutational origins of wrinkly spreader diversity. 2007 , 176, 441-53	118
1190	Characterization of the osmoprotectant transporter OpuC from <i>Pseudomonas syringae</i> and demonstration that cystathionine-beta-synthase domains are required for its osmoregulatory function. 2007 , 189, 6901-12	56
1189	Atomic force microscopy study of the effect of lipopolysaccharides and extracellular polymers on adhesion of <i>Pseudomonas aeruginosa</i> . 2007 , 189, 8503-9	69
1188	Transcriptomic analysis of the sulfate starvation response of <i>Pseudomonas aeruginosa</i> . 2007 , 189, 6743-50	53
1187	A gene cluster involved in degradation of substituted salicylates via ortho cleavage in <i>Pseudomonas</i> sp. strain MT1 encodes enzymes specifically adapted for transformation of 4-methylcatechol and 3-methylmuconate. 2007 , 189, 1664-74	34
1186	Defect in early lung defence against <i>Pseudomonas aeruginosa</i> in DBA/2 mice is associated with acute inflammatory lung injury and reduced bactericidal activity in naive macrophages. 2007 , 153, 968-979	28
1185	Recognition of intestinal epithelial HIF-1alpha activation by <i>Pseudomonas aeruginosa</i> . 2007 , 292, G134-42	53
1184	The Genomic Sequence of <i>Pseudomonas fluorescens</i> Pf-5: Insights Into Biological Control. 2007 , 97, 233-8	98
1183	Pyoverdine siderophores: from biogenesis to biosignificance. 2007 , 15, 22-30	366
1182	A novel esterase from <i>Ralstonia</i> sp. M1: gene cloning, sequencing, high-level expression and characterization. 2007 , 51, 133-40	13
1181	Production and purification of the bacterial autolysin N-acetylmuramoyl-L-alanine amidase B from <i>Pseudomonas aeruginosa</i> . 2007 , 56, 128-37	13
1180	One step engineering of T7-expression strains for protein production: increasing the host-range of the T7-expression system. 2007 , 55, 325-33	19

1179	Participation of nitric oxide reductase in survival of <i>Pseudomonas aeruginosa</i> in LPS-activated macrophages. 2007 , 355, 587-91	52
1178	Molecular cloning, characterisation and ligand-bound structure of an azoreductase from <i>Pseudomonas aeruginosa</i> . 2007 , 373, 1213-28	55
1177	A genotypic and phenotypic comparison of type III secretion profiles of <i>Pseudomonas aeruginosa</i> cystic fibrosis and bacteremia isolates. 2007 , 297, 227-34	36
1176	Functional genomics of <i>Pseudomonas aeruginosa</i> to identify habitat-specific determinants of pathogenicity. 2007 , 297, 615-23	34
1175	Functional characterization of the gene PA2384 in large-scale gene regulation in response to iron starvation in <i>Pseudomonas aeruginosa</i> . 2007 , 132, 342-52	26
1174	Pseudolipasin A is a specific inhibitor for phospholipase A2 activity of <i>Pseudomonas aeruginosa</i> cytotoxin ExoU. 2007 , 75, 1089-98	58
1173	Conditions that allow for effective transfer of membrane proteins onto nitrocellulose membrane in Western blots. 2007 , 53, 526-32	21
1172	<i>Caenorhabditis elegans</i> has two genes encoding functional d-aspartate oxidases. 2007 , 274, 137-49	22
1171	Life at the front: dissecting bacterial-host interactions at the ocular surface. 2007 , 5, 213-27	22
1170	Carbapenems in the USA: focus on doripenem. 2007 , 5, 793-809	23
1169	Cross-species cluster co-conservation: a new method for generating protein interaction networks. 2007 , 8, R185	10
1168	<i>Pseudomonas</i> . 2007 ,	6
1167	Microbial Siderophores. 2007 ,	11
1166	Stx-phages: drivers and mediators of the evolution of STEC and STEC-like pathogens. 2007 , 2, 165-74	102
1165	<i>Listeria</i> Genomics. 2007 , 33-62	1
1164	<i>Pseudomonas aeruginosa</i> : résistance et options thérapeutiques à l'ère du deuxième millénaire. 2007 , 9, 189-198	2
1163	Enterohemorrhagic <i>Escherichia coli</i> biofilms are inhibited by 7-hydroxyindole and stimulated by isatin. 2007 , 73, 4100-9	156
1162	Surfactant protein D in <i>Pseudomonas aeruginosa</i> keratitis. 2007 , 15, 371-9	14

1161	Legionella pneumophila. 2007 ,	1
1160	Strain-specific proteome responses of Pseudomonas aeruginosa to biofilm-associated growth and to calcium. 2007 , 153, 3838-3851	67
1159	The MetaCyc Database of metabolic pathways and enzymes and the BioCyc collection of Pathway/Genome Databases. 2008 , 36, D623-31	532
1158	Inverse regulation of biofilm formation and swarming motility by Pseudomonas aeruginosa PA14. 2007 , 189, 3603-12	214
1157	Differentiation and distribution of colistin- and sodium dodecyl sulfate-tolerant cells in Pseudomonas aeruginosa biofilms. 2007 , 189, 28-37	153
1156	Environmental regulation of Pseudomonas aeruginosa PAO1 Las and Rhl quorum-sensing systems. 2007 , 189, 4827-36	177
1155	Modulation of bacterial quorum sensing with synthetic ligands: systematic evaluation of N-acylated homoserine lactones in multiple species and new insights into their mechanisms of action. 2007 , 129, 13613-25	218
1154	Gene promoter scan methodology for identifying and classifying coregulated promoters. 2007 , 422, 361-85	4
1153	The distribution patterns of bases of protein-coding genes, non-coding ORFs, and intergenic sequences in pseudomonas aeruginosa PAO1 genome and its implications. 2007 , 25, 127-33	2
1152	Identification of a biosynthetic gene cluster and the six associated lipopeptides involved in swarming motility of Pseudomonas syringae pv. tomato DC3000. 2007 , 189, 6312-23	98
1151	Pseudomonas fluorescens CHA0 produces enantio-pyochelin, the optical antipode of the Pseudomonas aeruginosa siderophore pyochelin. 2007 , 282, 35546-53	89
1150	l-Methionine sulfoximine, but not phosphinothricin, is a substrate for an acetyltransferase (gene PA4866) from Pseudomonas aeruginosa: structural and functional studies. 2007 , 46, 1829-39	13
1149	Pattern Recognition in Bioinformatics. 2007 ,	1
1148	Towards a Genome-Wide Mutant Library of Pseudomonas putida Strain KT2440. 2007 , 227-251	43
1147	Histidine Catabolism and Catabolite Regulation. 2007 , 371-395	11
1146	Great Salt Lake halophilic microorganisms as models for astrobiology: evidence for desiccation tolerance and ultraviolet irradiation resistance. 2007 ,	4
1145	Polyketide synthases and nonribosomal peptide synthetases: the emerging view from bacterial genomics. 2007 , 24, 1073-109	251
1144	Horizontal gene transfer regulation in bacteria as a "spandrel" of DNA repair mechanisms. 2007 , 2, e1055	49

1143	Modulation of bacterial Type III secretion system by a spermidine transporter dependent signaling pathway. 2007 , 2, e1291	48
1142	Exploring host-pathogen interactions at the epithelial surface: application of transcriptomics in lung biology. 2007 , 292, L367-77	7
1141	Caratterizzazione di isolati di <i>Pseudomonas aeruginosa</i> provenienti da pazienti affetti da fibrosi cistica. 2007 , 22,	
1140	Engineering bacteria for production of rhamnolipid as an agent for enhanced oil recovery. 2007 , 98, 842-53	164
1139	Regulation of the pyrimidine biosynthetic pathway in a pyrD knockout mutant of <i>Pseudomonas aeruginosa</i> . 2007 , 47, 165-73	7
1138	<i>Pseudomonas aeruginosa</i> contains multiple glyoxalase I-encoding genes from both metal activation classes. 2007 , 1774, 756-63	38
1137	Simple and sensitive bacterial quantification by a flow-based kinetic exclusion fluorescence immunoassay. 2007 , 22, 2500-7	21
1136	Analysis of novel hemoglobins during microaerobic growth of HMP-negative <i>Escherichia coli</i> . 2007 , 40, 329-336	7
1135	<i>Nocardia</i> sp. vanillic acid decarboxylase. 2007 , 41, 271-277	17
1134	Biodiversity of the species <i>Listeria monocytogenes</i> and the genus <i>Listeria</i> . 2007 , 9, 1147-55	41
1133	Genome sequence and identification of candidate vaccine antigens from the animal pathogen <i>Dichelobacter nodosus</i> . 2007 , 25, 569-75	58
1132	The antibiotic resistome: the nexus of chemical and genetic diversity. 2007 , 5, 175-86	872
1131	Isolation of <i>Pseudomonas</i> spp. from Diseased <i>Capsicum chinense</i> (Habanero Pepper) Plants in Yucatan, Mexico. 2007 , 155, 470-474	1
1130	Multilocus sequence analysis of biocontrol fluorescent <i>Pseudomonas</i> spp. producing the antifungal compound 2,4-diacetylphloroglucinol. 2007 , 9, 1939-55	66
1129	Exploration of intracolon adaptation mechanisms of <i>Pseudomonas brassicacearum</i> facing cadmium toxicity. 2007 , 9, 2820-35	38
1128	Whole genome sequencing of a novel temperate bacteriophage of <i>P. aeruginosa</i> : evidence of tRNA gene mediating integration of the phage genome into the host bacterial chromosome. 2007 , 9, 479-91	44
1127	Rac2 is a major actor of <i>Drosophila</i> resistance to <i>Pseudomonas aeruginosa</i> acting in phagocytic cells. 2007 , 12, 1193-204	31
1126	Genetic mechanisms involved in the repression of flagellar assembly by <i>Pseudomonas aeruginosa</i> in human mucus. 2007 , 63, 1026-38	28

1125	MutS deficiency and activity of the error-prone DNA polymerase IV are crucial for determining mucA as the main target for mucoid conversion in <i>Pseudomonas aeruginosa</i> . 2007 , 64, 547-59	36
1124	The <i>Pseudomonas putida</i> Crc global regulator is an RNA binding protein that inhibits translation of the AlkS transcriptional regulator. 2007 , 64, 665-75	95
1123	Responses of <i>Pseudomonas aeruginosa</i> to low oxygen indicate that growth in the cystic fibrosis lung is by aerobic respiration. 2007 , 65, 153-65	219
1122	Farnesol, a common sesquiterpene, inhibits PQS production in <i>Pseudomonas aeruginosa</i> . 2007 , 65, 896-906	261
1121	Subcellular location characteristics of the <i>Pseudomonas aeruginosa</i> GGDEF protein, WspR, indicate that it produces cyclic-di-GMP in response to growth on surfaces. 2007 , 66, 1459-73	154
1120	<i>Pseudomonas aeruginosa</i> : resistance and therapeutic options at the turn of the new millennium. 2007 , 13, 560-78	371
1119	A novel approach for the identification of bacterial taxa-specific molecular markers. 2007 , 44, 506-12	13
1118	Frequent conjugative transfer accelerates adaptation of a broad-host-range plasmid to an unfavorable <i>Pseudomonas putida</i> host. 2007 , 59, 738-48	65
1117	Fingerprinting and diversity of bacterial copA genes in response to soil types, soil organic status and copper contamination. 2007 , 61, 424-37	51
1116	Association patterns of <i>Pseudomonas aeruginosa</i> clinical isolates as revealed by virulence traits, antibiotic resistance, serotype and genotype. 2007 , 51, 505-16	15
1115	A global response to sulfur starvation in <i>Pseudomonas putida</i> and its relationship to the expression of low-sulfur-content proteins. 2007 , 267, 184-93	19
1114	Identification of the aceA gene encoding isocitrate lyase required for the growth of <i>Pseudomonas aeruginosa</i> on acetate, acyclic terpenes and leucine. 2007 , 269, 309-16	31
1113	An intragenic deletion in pilQ leads to nonpiliation of a <i>Pseudomonas aeruginosa</i> strain isolated from cystic fibrosis lung. 2007 , 270, 201-6	17
1112	Solving ambiguities in contig assembly of <i>Idiomarina loihiensis</i> L2TR chromosome by in silico analyses. 2007 , 271, 187-92	3
1111	In silico comparison of pKLC102-like genomic islands of <i>Pseudomonas aeruginosa</i> . 2007 , 275, 244-9	17
1110	The microbiology of mutability. 2007 , 277, 11-20	43
1109	Chloroplast His-to-Asp signal transduction: a potential mechanism for plastid gene regulation in <i>Heterosigma akashiwo</i> (Raphidophyceae). 2007 , 7, 70	16
1108	Separating the effects of mutation and selection in producing DNA skew in bacterial chromosomes. 2007 , 8, 369	19

1107	Comparative genomic analysis of two-component regulatory proteins in <i>Pseudomonas syringae</i> . 2007 , 8, 397	27
1106	Widespread pyocyanin over-production among isolates of a cystic fibrosis epidemic strain. 2007 , 7, 45	113
1105	A systematics for discovering the fundamental units of bacterial diversity. 2007 , 17, R373-86	211
1104	A multi-approaches-guided genetic algorithm with application to operon prediction. 2007 , 41, 151-9	32
1103	Bacterial proteins and CpG-rich extrachromosomal DNA in potential cancer therapy. 2007 , 57, 4-17	22
1102	Cryo-EM study of the <i>Pseudomonas</i> bacteriophage phiKZ. 2007 , 15, 1099-104	54
1101	Ostreolysin enhances fruiting initiation in the oyster mushroom (<i>Pleurotus ostreatus</i>). 2007 , 111, 1431-6	24
1100	Type II secretion and type IV pili of <i>Francisella</i> . 2007 , 1105, 187-201	27
1099	Analysis of an Anaerobic Chemostat Population Stably Dechlorinating 2,4,6-Trichlorophenol. 2007 , 7, 380-387	4
1098	Purification, characterization and gene cloning of isoeugenol-degrading enzyme from <i>Pseudomonas putida</i> IE27. 2007 , 187, 511-7	37
1097	The role of quorum sensing in the pathogenicity of the cunning aggressor <i>Pseudomonas aeruginosa</i> . 2007 , 387, 409-14	98
1096	Use of quantitative real-time RT-PCR to analyse the expression of some quorum-sensing regulated genes in <i>Pseudomonas aeruginosa</i> . 2007 , 387, 513-21	19
1095	Isolation of <i>Pseudomonas aeruginosa</i> from open ocean and comparison with freshwater, clinical, and animal isolates. 2007 , 53, 173-86	71
1094	Genotypic and phenotypic diversity in populations of plant-probiotic <i>Pseudomonas</i> spp. colonizing roots. 2008 , 95, 1-16	41
1093	PilJ localizes to cell poles and is required for type IV pilus extension in <i>Pseudomonas aeruginosa</i> . 2007 , 55, 389-95	23
1092	Interactions between plants and beneficial <i>Pseudomonas</i> spp.: exploiting bacterial traits for crop protection. 2007 , 92, 367-89	202
1091	Transport of heterologous proteins to the periplasmic space of <i>Pseudomonas fluorescens</i> using a variety of native signal sequences. 2007 , 29, 1483-91	12
1090	Function and transcriptional regulation of the isocitrate lyase in <i>Pseudomonas aeruginosa</i> . 2008 , 190, 151-8	20

1089	Evolution of exceptionally large genes in prokaryotes. 2008 , 66, 333-49	2
1088	PA2663 (PpyR) increases biofilm formation in <i>Pseudomonas aeruginosa</i> PAO1 through the psl operon and stimulates virulence and quorum-sensing phenotypes. 2008 , 78, 293-307	40
1087	Potassium and sodium transporters of <i>Pseudomonas aeruginosa</i> regulate virulence to barley. 2008 , 79, 843-58	13
1086	Purification, biochemical and molecular characterization of a metalloprotease from <i>Pseudomonas aeruginosa</i> MN7 grown on shrimp wastes. 2008 , 79, 989-99	32
1085	Behavior of the IncP-7 carbazole-degradative plasmid pCAR1 in artificial environmental samples. 2008 , 80, 485-97	14
1084	Three trehalose synthetic pathways in the acarbose-producing <i>Actinoplanes</i> sp. SN223/29 and evidence for the TreY role in biosynthesis of component C. 2008 , 80, 767-78	7
1083	Improved PCR method for the creation of saturation mutagenesis libraries in directed evolution: application to difficult-to-amplify templates. 2008 , 81, 387-97	112
1082	Identifying <i>Escherichia coli</i> genes involved in intrinsic multidrug resistance. 2008 , 81, 731-41	24
1081	Bacterial citrate synthase expression and soil aluminum tolerance in transgenic alfalfa. 2008 , 27, 893-901	77
1080	Modulation of secreted virulence factor genes by subinhibitory concentrations of antibiotics in <i>Pseudomonas aeruginosa</i> . 2008 , 46, 441-7	35
1079	Preoperative sterilization and disinfection of drill guide templates. 2008 , 12, 179-87	8
1078	Genes related to chromate resistance by <i>Pseudomonas aeruginosa</i> PAO1. 2008 , 94, 299-305	11
1077	Towards understanding <i>Pseudomonas aeruginosa</i> burn wound infections by profiling gene expression. 2008 , 30, 777-90	38
1076	Cellular reporter screens for inhibitors of <i>Burkholderia pseudomallei</i> targets in <i>Pseudomonas aeruginosa</i> . 2008 , 102 Suppl 1, S152-62	12
1075	An efficient one-step site-directed deletion, insertion, single and multiple-site plasmid mutagenesis protocol. 2008 , 8, 91	591
1074	Structure of a putative acetyltransferase (PA1377) from <i>Pseudomonas aeruginosa</i> . 2008 , 64, 338-42	1
1073	The roles of mucD and alginate in the virulence of <i>Pseudomonas aeruginosa</i> in plants, nematodes and mice. 2001 , 41, 1063-76	82
1072	Discovery and distribution of super-integrans among pseudomonads. 2001 , 42, 587-601	67

1071	Metal trafficking via siderophores in Gram-negative bacteria: specificities and characteristics of the pyoverdine pathway. 2008 , 102, 1159-69	84
1070	Importance of LPS structure on protein interactions with <i>Pseudomonas aeruginosa</i> . 2008 , 67, 115-21	19
1069	Lipase from solvent tolerant <i>Pseudomonas aeruginosa</i> strain: production optimization by response surface methodology and application. 2008 , 99, 4796-802	95
1068	Structural requirements for the stability of novel cephalosporins to AmpC beta-lactamase based on 3D-structure. 2008 , 16, 2261-75	30
1067	Paradigm in biodegradation using <i>Pseudomonas putida</i> A review of proteomics studies. 2008 , 43, 1-12	43
1066	Expression of resistance-nodulation-cell-division efflux pumps in commonly used <i>Burkholderia pseudomallei</i> strains and clinical isolates from northern Australia. 2008 , 102 Suppl 1, S145-51	39
1065	Identification of viruses using microfluidic protein profiling and Bayesian classification. 2008 , 80, 9005-12	8
1064	Expression of chromate resistance genes from <i>Shewanella</i> sp. strain ANA-3 in <i>Escherichia coli</i> . 2008 , 285, 97-100	68
1063	Sigma factors in <i>Pseudomonas aeruginosa</i> . 2008 , 32, 38-55	182
1062	Physiological heterogeneity in biofilms. 2008 , 6, 199-210	1468
1061	Auxotrophic markers <i>pyrF</i> and <i>proC</i> can replace antibiotic markers on protein production plasmids in high-cell-density <i>Pseudomonas fluorescens</i> fermentation. 2005 , 21, 343-8	21
1060	Genetic analyses and molecular characterization of the pathways involved in the conversion of 2-phenylethylamine and 2-phenylethanol into phenylacetic acid in <i>Pseudomonas putida</i> U. 2008 , 10, 413-32	35
1059	Global features of the <i>Alcanivorax borkumensis</i> SK2 genome. 2008 , 10, 614-25	25
1058	Roles of type IV pili, flagellum-mediated motility and extracellular DNA in the formation of mature multicellular structures in <i>Pseudomonas aeruginosa</i> biofilms. 2008 , 10, 2331-43	276
1057	The complete genome sequence of <i>Moorella thermoacetica</i> (f. <i>Clostridium thermoaceticum</i>). 2008 , 10, 2550-73	212
1056	A novel secreted protease from <i>Pseudomonas aeruginosa</i> activates NF-kappaB through protease-activated receptors. 2008 , 10, 1491-504	85
1055	The rate of environmental change drives adaptation to an antibiotic sink. 2008 , 21, 1724-31	64
1054	Genetic transduction in freshwater ecosystems. 2008 , 53, 1228-1239	12

1053	A multifaceted role for polyamines in bacterial pathogens. 2008 , 68, 4-16	238
1052	Characterization of ExsA and of ExsA-dependent promoters required for expression of the <i>Pseudomonas aeruginosa</i> type III secretion system. 2008 , 68, 657-71	65
1051	Characterization of the PvdS-regulated promoter motif in <i>Pseudomonas syringae</i> pv. tomato DC3000 reveals regulon members and insights regarding PvdS function in other pseudomonads. 2008 , 68, 871-89	61
1050	Comparative genomics of <i>Geobacter chemotaxis</i> genes reveals diverse signaling function. 2008 , 9, 471	36
1049	Genomic, genetic and structural analysis of pyoverdine-mediated iron acquisition in the plant growth-promoting bacterium <i>Pseudomonas fluorescens</i> SBW25. 2008 , 8, 7	49
1048	A comparative analysis of metal transportomes from metabolically versatile <i>Pseudomonas</i> . 2008 , 1, 88	10
1047	The origins of ecological diversity in prokaryotes. 2008 , 18, R1024-34	131
1046	<i>Pseudomonas aeruginosa</i> PAO1 virulence factors and poplar tree response in the rhizosphere. 2008 , 1, 17-29	57
1045	Engineering of FRT-lacZ fusion constructs: induction of the <i>Pseudomonas aeruginosa</i> fadAB1 operon by medium and long chain-length fatty acids. 2008 , 59, 111-8	11
1044	Enrichment and diversity of plant-probiotic microorganisms in the rhizosphere of hybrid maize during four growth cycles. 2008 , 40, 106-115	35
1043	Development of a 16S rRNA microarray approach for the monitoring of rhizosphere <i>Pseudomonas</i> populations associated with the decline of take-all disease of wheat. 2008 , 40, 1028-1039	37
1042	Genomic panorama of <i>Bradyrhizobium japonicum</i> CPAC 15, a commercial inoculant strain largely established in Brazilian soils and belonging to the same serogroup as USDA 123. 2008 , 40, 2743-2753	14
1041	Quorum Sensing in Pseudomonads. 167-194	
1040	Biosynthesis and Regulation of Phenazine Compounds in <i>Pseudomonas</i> spp.. 331-351	5
1039	[Molecular basis of microbial adherence to prosthetic materials. Role of biofilms in prosthesis-associated infection]. 2008 , 26, 48-54; quiz 55	16
1038	Engineering of halophilic enzymes: two acidic amino acid residues at the carboxy-terminal region confer halophilic characteristics to <i>Halomonas</i> and <i>Pseudomonas</i> nucleoside diphosphate kinases. 2008 , 17, 1603-10	58
1037	An inner membrane dioxygenase that generates the 2-hydroxymyristate moiety of <i>Salmonella</i> lipid A. 2008 , 47, 2814-25	56
1036	The neglected intrinsic resistome of bacterial pathogens. 2008 , 3, e1619	203

1035	Central role of quorum sensing in regulating the production of pathogenicity factors in <i>Pseudomonas aeruginosa</i> . 2008 , 3, 97-106	85
1034	Microbial Gene Essentiality: Protocols and Bioinformatics. 2008 ,	4
1033	<i>Pseudomonas syringae</i> Pathovars and Related Pathogens – Identification, Epidemiology and Genomics. 2008 ,	5
1032	Plastic architecture of bacterial genome revealed by comparative genomics of <i>Phototribadus</i> variants. 2008 , 9, R117	20
1031	Interactions of Pseudomonads with Mushrooms and Other Eukaryotic Hosts. 2008 , 295-304	2
1030	Curcumin, a known phenolic from <i>Curcuma longa</i> , attenuates the virulence of <i>Pseudomonas aeruginosa</i> PAO1 in whole plant and animal pathogenicity models. 2008 , 56, 1955-62	220
1029	Nitrogen fixation island and rhizosphere competence traits in the genome of root-associated <i>Pseudomonas stutzeri</i> A1501. 2008 , 105, 7564-9	263
1028	The presence of a C-1/G+73 pair in a tRNA precursor influences processing and expression in vivo. 2008 , 381, 1089-97	7
1027	Diverse type III secretion phenotypes among <i>Pseudomonas aeruginosa</i> strains upon infection of murine macrophage-like and endothelial cell lines. 2008 , 44, 448-58	13
1026	Bacteria induce CTGF and CYR61 expression in epithelial cells in a lysophosphatidic acid receptor-dependent manner. 2008 , 298, 231-43	25
1025	Large-insert genome analysis technology detects structural variation in <i>Pseudomonas aeruginosa</i> clinical strains from cystic fibrosis patients. 2008 , 91, 530-7	22
1024	Genome-specific gas-phase fractionation strategy for improved shotgun proteomic profiling of proteotypic peptides. 2008 , 80, 1182-91	78
1023	Confronting the scientific obstacles to global control of tuberculosis. 2008 , 118, 1255-65	232
1022	Small multidrug resistance proteins: a multidrug transporter family that continues to grow. 2008 , 1778, 1814-38	179
1021	<i>Pseudomonas aeruginosa</i> as a model microorganism for investigation of chemotactic behaviors in ecosystem. 2008 , 106, 1-7	75
1020	Genomics of bacteria and archaea: the emerging dynamic view of the prokaryotic world. 2008 , 36, 6688-719	513
1019	Diagnostic multiplex PCR assay for the identification of the Liverpool, Midlands 1 and Manchester CF epidemic strains of <i>Pseudomonas aeruginosa</i> . 2008 , 7, 258-61	27
1018	Enzymatic detoxification of cyanide: clues from <i>Pseudomonas aeruginosa</i> Rhodanese. 2008 , 15, 199-211	75

1017	DNA binding shifts the redox potential of the transcription factor SoxR. 2008 , 105, 3684-9	57
1016	New Antibiotic Targets. 2008 ,	4
1015	Function-biased choice of additives for optimization of protein crystallization - the case of the putative thioesterase PA5185 from <i>Pseudomonas aeruginosa</i> PAO1. 2008 , 8, 4054-4061	2
1014	Genome-scale metabolic network analysis of the opportunistic pathogen <i>Pseudomonas aeruginosa</i> PAO1. 2008 , 190, 2790-803	238
1013	<i>Pseudomonas syringae</i> pv. tomato DC3000 uses constitutive and apoplast-induced nutrient assimilation pathways to catabolize nutrients that are abundant in the tomato apoplast. 2008 , 21, 269-82	168
1012	Comparison of the membrane subproteomes during growth of a new <i>pseudomonas</i> strain on lysogeny broth medium, glucose, and phenol. 2008 , 7, 4278-88	14
1011	Potency of IMP-10 metallo-beta-lactamase in hydrolysing various antipseudomonal beta-lactams. 2008 , 57, 974-979	6
1010	High-cell-density regulation of the <i>Pseudomonas aeruginosa</i> type III secretion system: implications for tryptophan catabolites. 2008 , 154, 2195-2208	28
1009	ClpXP proteases positively regulate alginate overexpression and mucoid conversion in <i>Pseudomonas aeruginosa</i> . 2008 , 154, 2119-2130	78
1008	The hrp genes of <i>Pseudomonas cichorii</i> are essential for pathogenicity on eggplant but not on lettuce. 2008 , 154, 2920-2928	21
1007	Prophylactic and therapeutic efficacy of a fully human immunoglobulin G1 monoclonal antibody to <i>Pseudomonas aeruginosa</i> alginate in murine keratitis infection. 2008 , 76, 4720-5	16
1006	The NtrC family regulator AlgB, which controls alginate biosynthesis in mucoid <i>Pseudomonas aeruginosa</i> , binds directly to the algD promoter. 2008 , 190, 581-9	52
1005	In vivo growth of <i>Pseudomonas aeruginosa</i> strains PAO1 and PA14 and the hypervirulent strain LESB58 in a rat model of chronic lung infection. 2008 , 190, 2804-13	72
1004	The YebC family protein PA0964 negatively regulates the <i>Pseudomonas aeruginosa</i> quinolone signal system and pyocyanin production. 2008 , 190, 6217-27	82
1003	Nitrate-responsive NarX-NarL represses arginine-mediated induction of the <i>Pseudomonas aeruginosa</i> arginine fermentation arcDABC operon. 2008 , 154, 3053-3060	36
1002	Resistance of Gram-Negative Bacilli to Antimicrobials. 2008 , 97-159	1
1001	Increased mutability of <i>Pseudomonas aeruginosa</i> in biofilms. 2008 , 61, 1053-6	149
1000	The antifungal vaccine derived from the recombinant N terminus of Als3p protects mice against the bacterium <i>Staphylococcus aureus</i> . 2008 , 76, 4574-80	120

999	Biosynthesis of a rare di-N-acetylated sugar in the lipopolysaccharides of both <i>Pseudomonas aeruginosa</i> and <i>Bordetella pertussis</i> occurs via an identical scheme despite different gene clusters. 2008 , 190, 6060-9	24
998	Analysis of the respiratory chain in Ethanologenic <i>Zymomonas mobilis</i> with a cyanide-resistant bd-type ubiquinol oxidase as the only terminal oxidase and its possible physiological roles. 2008 , 14, 163-75	34
997	Microbial drug target identification using different computational approaches: Specific application to <i>Pseudomonas aeruginosa</i> . 2008 ,	1
996	Bacteriophages of <i>Pseudomonas</i> . 255-291	4
995	Identification and analysis of essential genes in <i>Haemophilus influenzae</i> . 2008 , 416, 27-44	10
994	Human host defense peptide LL-37 prevents bacterial biofilm formation. 2008 , 76, 4176-82	456
993	Human pre-elafin inhibits a <i>Pseudomonas aeruginosa</i> -secreted peptidase and prevents its proliferation in complex media. 2008 , 52, 483-90	15
992	The <i>Pseudomonas aeruginosa</i> PsrA responds to long-chain fatty acid signals to regulate the fadBA5 beta-oxidation operon. 2008 , 154, 1584-1598	68
991	<i>Pseudomonas aeruginosa</i> exhibits sliding motility in the absence of type IV pili and flagella. 2008 , 190, 2700-8	103
990	Characterization of the histidine-containing phosphotransfer protein B-mediated multistep phosphorelay system in <i>Pseudomonas aeruginosa</i> PAO1. 2008 , 283, 9933-44	73
989	Dynamics of <i>Pseudomonas aeruginosa</i> genome evolution. 2008 , 105, 3100-5	367
988	Genetic adaptation of <i>Pseudomonas aeruginosa</i> to the airways of cystic fibrosis patients is catalyzed by hypermutation. 2008 , 190, 7910-7	182
987	Two segments in bacterial antizyme P22 are essential for binding and enhance degradation of lysine/ornithine decarboxylase in <i>Selenomonas ruminantium</i> . 2008 , 190, 442-6	3
986	Structure of the bacteriophage phi KZ lytic transglycosylase gp144. 2008 , 283, 7242-50	44
985	<i>Francisella tularensis</i> : unravelling the secrets of an intracellular pathogen. 2008 , 57, 921-930	121
984	Interplay of different transporters in the mediation of divalent heavy metal resistance in <i>Pseudomonas putida</i> KT2440. 2008 , 190, 2680-9	77
983	Lipase expression in <i>Pseudomonas alcaligenes</i> is under the control of a two-component regulatory system. 2008 , 74, 1402-11	22
982	A comparative synteny map of <i>Burkholderia</i> species links large-scale genome rearrangements to fine-scale nucleotide variation in prokaryotes. 2008 , 25, 549-58	23

981	Gene-boosted assembly of a novel bacterial genome from very short reads. 2008 , 4, e1000186	44
980	Identification of small molecule inhibitors of <i>Pseudomonas aeruginosa</i> exoenzyme S using a yeast phenotypic screen. 2008 , 4, e1000005	65
979	High-throughput phenotypic characterization of <i>Pseudomonas aeruginosa</i> membrane transport genes. 2008 , 4, e1000211	42
978	Multilocus sequence typing and phylogenetic analyses of <i>Pseudomonas aeruginosa</i> Isolates from the ocean. 2008 , 74, 6194-205	44
977	Hybrid pathogenicity island PAGI-5 contributes to the highly virulent phenotype of a <i>Pseudomonas aeruginosa</i> isolate in mammals. 2008 , 190, 7130-40	58
976	Global transcriptional responses of <i>Pseudomonas aeruginosa</i> to phage PRR1 infection. 2008 , 82, 2324-9	25
975	Antimicrobial Resistance and Implications for the Twenty-First Century. 2008 ,	3
974	Functional characterization of MigA and WapR: putative rhamnosyltransferases involved in outer core oligosaccharide biosynthesis of <i>Pseudomonas aeruginosa</i> . 2008 , 190, 1857-65	42
973	Genetic analysis of genes involved in dipeptide metabolism and cytotoxicity in <i>Pseudomonas aeruginosa</i> PAO1. 2008 , 154, 2209-2218	17
972	Immunoproteomics to examine cystic fibrosis host interactions with extracellular <i>Pseudomonas aeruginosa</i> proteins. 2008 , 76, 4624-32	31
971	The genome sequence of the tomato-pathogenic actinomycete <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> NCPPB382 reveals a large island involved in pathogenicity. 2008 , 190, 2138-49	130
970	Degradation of uniquely glycosylated secretory immunoglobulin a in tears from patients with <i>Pseudomonas aeruginosa</i> keratitis. 2008 , 49, 4939-44	10
969	Transcriptome analyses and biofilm-forming characteristics of a clonal <i>Pseudomonas aeruginosa</i> from the cystic fibrosis lung. 2008 , 57, 1454-1465	43
968	Codon choice in genes depends on flanking sequence information--implications for theoretical reverse translation. 2008 , 36, e16	7
967	Occurrence of agmatine pathway for putrescine synthesis in <i>Selenomonas ruminatum</i> . 2008 , 72, 445-55	14
966	The post-transcriptional regulator CsrA plays a central role in the adaptation of bacterial pathogens to different stages of infection in animal hosts. 2008 , 154, 16-29	87
965	Newly introduced genomic prophage islands are critical determinants of in vivo competitiveness in the Liverpool Epidemic Strain of <i>Pseudomonas aeruginosa</i> . 2009 , 19, 12-23	251
964	Swarming of <i>Pseudomonas aeruginosa</i> is a complex adaptation leading to increased production of virulence factors and antibiotic resistance. 2008 , 190, 2671-9	252

963	Clinical Relevance of <i>Pseudomonas aeruginosa</i> : A Master of Adaptation and Survival Strategies. 25-44	1
962	Adherence of <i>Pseudomonas aeruginosa</i> . 45-83	1
961	A novel oxidized low-density lipoprotein-binding protein from <i>Pseudomonas aeruginosa</i> . 2008 , 154, 654-665	31
960	Comparative Genomics of <i>Pseudomonas</i> . 1-24	6
959	<i>Pseudomonas</i> Plant Interactions. 353-376	7
958	Role of PAR2 in murine pulmonary pseudomonal infection. 2008 , 294, L368-77	41
957	. 2008 ,	10
956	Introduction. 2008 , 1-11	1
955	Fitness of isogenic colony morphology variants of <i>Pseudomonas aeruginosa</i> in murine airway infection. 2008 , 3, e1685	25
954	<i>Pseudomonas</i> Infections. 2008 , 1-8	
953	Genotyping of different <i>Pseudomonas aeruginosa</i> morphotypes arising from the lower respiratory tract of a patient taken to an Intensive Care Unit. 2008 , 21, 941-7	2
952	Disruption of CFTR-dependent lipid rafts reduces bacterial levels and corneal disease in a murine model of <i>Pseudomonas aeruginosa</i> keratitis. 2008 , 49, 1000-9	35
951	New microbicidal functions of tracheal glands: defective anti-infectious response to <i>Pseudomonas aeruginosa</i> in cystic fibrosis. 2009 , 4, e5357	21
950	Expression of <i>Pseudomonas aeruginosa</i> CupD fimbrial genes is antagonistically controlled by RcsB and the EAL-containing PvrR response regulators. 2009 , 4, e6018	61
949	Role of mutation in <i>Pseudomonas aeruginosa</i> biofilm development. 2009 , 4, e6289	88
948	Simple sequence repeats and mucoid conversion: biased <i>muca</i> mutagenesis in mismatch repair-deficient <i>Pseudomonas aeruginosa</i> . 2009 , 4, e8203	9
947	Direct interaction between sensor kinase proteins mediates acute and chronic disease phenotypes in a bacterial pathogen. 2009 , 23, 249-59	222
946	<i>Pseudomonas aeruginosa</i> microevolution during cystic fibrosis lung infection establishes clones with adapted virulence. 2009 , 180, 138-45	189

945	Osmoregulated periplasmic glucans of <i>Salmonella enterica</i> serovar Typhimurium are required for optimal virulence in mice. 2009 , 155, 229-237	39
944	MucR, a novel membrane-associated regulator of alginate biosynthesis in <i>Pseudomonas aeruginosa</i> . 2009 , 75, 1110-20	107
943	Small RNA identification in Enterobacteriaceae using synteny and genomic backbone retention II. 2009 , 13, 261-84	5
942	Aryl rhodanines specifically inhibit staphylococcal and enterococcal biofilm formation. 2009 , 53, 4357-67	41
941	<i>Pseudomonas aeruginosa</i> PAO1 pyocin production affects population dynamics within mixed-culture biofilms. 2009 , 191, 1349-54	44
940	The role of the cytoplasmic heme-binding protein (PhuS) of <i>Pseudomonas aeruginosa</i> in intracellular heme trafficking and iron homeostasis. 2009 , 284, 56-66	41
939	Chemotaxis to pyrimidines and identification of a cytosine chemoreceptor in <i>Pseudomonas putida</i> . 2009 , 191, 2909-16	32
938	Regulation of glucose metabolism in <i>Pseudomonas</i> : the phosphorylative branch and entner-doudoroff enzymes are regulated by a repressor containing a sugar isomerase domain. 2009 , 284, 21360-8	64
937	Role of <i>Acinetobacter baylyi</i> Crc in catabolite repression of enzymes for aromatic compound catabolism. 2009 , 191, 2834-42	26
936	Role of gluconic acid production in the regulation of biocontrol traits of <i>Pseudomonas fluorescens</i> CHA0. 2009 , 75, 4162-74	140
935	LasI/R and RhlI/R quorum sensing in a strain of <i>Pseudomonas aeruginosa</i> beneficial to plants. 2009 , 75, 5131-40	66
934	MrdH, a novel metal resistance determinant of <i>Pseudomonas putida</i> KT2440, is flanked by metal-inducible mobile genetic elements. 2009 , 191, 5976-87	27
933	<i>Pseudomonas</i> Genome Database: facilitating user-friendly, comprehensive comparisons of microbial genomes. 2009 , 37, D483-8	199
932	The ADP-ribosylating thermozyyme from <i>Sulfolobus solfataricus</i> is a DING protein. 2009 , 390, 27-30	13
931	Toolbox model of evolution of prokaryotic metabolic networks and their regulation. 2009 , 106, 9743-8	88
930	Bacterial toxins induce sustained mRNA expression of the silencing transcription factor klf2 via inactivation of RhoA and Rhophilin 1. 2009 , 77, 5583-92	17
929	The glycerol-3-phosphate permease GlpT is the only fosfomycin transporter in <i>Pseudomonas aeruginosa</i> . 2009 , 191, 6968-74	78
928	<i>Pseudomonas aeruginosa</i> genotype prevalence in Dutch cystic fibrosis patients and age dependency of colonization by various <i>P. aeruginosa</i> sequence types. 2009 , 47, 4096-101	46

927	Protection against fowl cholera conferred by vaccination with recombinant <i>Pasteurella multocida</i> filamentous hemagglutinin peptides. 2009 , 53, 169-74	8
926	Load Points and Choke Points; as Nodes for Prioritizing Drug Targets in <i>Pseudomonas aeruginosa</i> (Supplementary). 2009 , 4, 48-53	3
925	Identification of genes required for <i>Pseudomonas aeruginosa</i> carnitine catabolism. 2009 , 155, 2411-2419	38
924	<i>Pseudomonas aeruginosa</i> - <i>Candida albicans</i> interactions: localization and fungal toxicity of a phenazine derivative. 2009 , 75, 504-13	155
923	Engraftment of bone marrow-derived stem cells to the lung in a model of acute respiratory infection by <i>Pseudomonas aeruginosa</i> . 2009 , 17, 1257-65	30
922	Protein families reflect the metabolic diversity of organisms and provide support for functional prediction. 2009 , 38, 250-60	5
921	<i>Plasmodium falciparum</i> heterochromatin protein 1 marks genomic loci linked to phenotypic variation of exported virulence factors. 2009 , 5, e1000569	192
920	<i>Caenorhabditis elegans</i> semi-automated liquid screen reveals a specialized role for the chemotaxis gene <i>cheB2</i> in <i>Pseudomonas aeruginosa</i> virulence. 2009 , 5, e1000540	68
919	A novel signaling network essential for regulating <i>Pseudomonas aeruginosa</i> biofilm development. 2009 , 5, e1000668	145
918	Epigenetic control of virulence gene expression in <i>Pseudomonas aeruginosa</i> by a LysR-type transcription regulator. 2009 , 5, e1000779	38
917	The functional role of a conserved loop in EAL domain-based cyclic di-GMP-specific phosphodiesterase. 2009 , 191, 4722-31	82
916	Requirement of polyphosphate by <i>Pseudomonas fluorescens</i> Pf0-1 for competitive fitness and heat tolerance in laboratory media and sterile soil. 2009 , 75, 3872-81	24
915	Development and qualification of a pharmacodynamic model for the pronounced inoculum effect of ceftazidime against <i>Pseudomonas aeruginosa</i> . 2009 , 53, 46-56	81
914	Beta-lactam resistance response triggered by inactivation of a nonessential penicillin-binding protein. 2009 , 5, e1000353	184
913	A Novel extracytoplasmic function (ECF) sigma factor regulates virulence in <i>Pseudomonas aeruginosa</i> . 2009 , 5, e1000572	61
912	The complete genome of <i>Comamonas testosteroni</i> reveals its genetic adaptations to changing environments. 2009 , 75, 6812-9	68
911	CbpA: a polarly localized novel cyclic AMP-binding protein in <i>Pseudomonas aeruginosa</i> . 2009 , 191, 7193-205	11
910	Inactivation of the <i>hmgA</i> gene of <i>Pseudomonas aeruginosa</i> leads to pyomelanin hyperproduction, stress resistance and increased persistence in chronic lung infection. 2009 , 155, 1050-1057	91

909	Azithromycin in <i>Pseudomonas aeruginosa</i> biofilms: bactericidal activity and selection of nfxB mutants. 2009 , 53, 1552-60	63
908	Update on the treatment of <i>Pseudomonas aeruginosa</i> pneumonia. 2009 , 64, 229-38	117
907	Cellular localization of predicted transmembrane and soluble chemoreceptors in <i>Sinorhizobium meliloti</i> . 2009 , 191, 5724-33	27
906	Efflux unbalance in <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis patients. 2009 , 53, 1987-97	73
905	Properties of PASP: a <i>Pseudomonas</i> protease capable of mediating corneal erosions. 2009 , 50, 3794-801	37
904	Antibiotic resistance in <i>Pseudomonas aeruginosa</i> strains with increased mutation frequency due to inactivation of the DNA oxidative repair system. 2009 , 53, 2483-91	76
903	Citrate-mediated iron uptake in <i>Pseudomonas aeruginosa</i> : involvement of the citrate-inducible FecA receptor and the FeoB ferrous iron transporter. 2009 , 155, 305-315	66
902	Histidine kinase. 2009 , 420-474	
901	OrthoClusterDB: an online platform for synteny blocks. 2009 , 10, 192	29
900	Evaluation of a microarray-hybridization based method applicable for discovery of single nucleotide polymorphisms (SNPs) in the <i>Pseudomonas aeruginosa</i> genome. 2009 , 10, 29	22
899	Mobile genetic elements in the genome of the beneficial rhizobacterium <i>Pseudomonas fluorescens</i> PF-5. 2009 , 9, 8	72
898	A procedure for systematic identification of bacteriophage-host interactions of <i>P. aeruginosa</i> phages. 2009 , 387, 50-8	13
897	Uracil influences quorum sensing and biofilm formation in <i>Pseudomonas aeruginosa</i> and fluorouracil is an antagonist. 2009 , 2, 62-74	103
896	Indole and 7-hydroxyindole diminish <i>Pseudomonas aeruginosa</i> virulence. 2009 , 2, 75-90	169
895	Genomics of plant-associated microbes. 2009 , 2, 406-11	1
894	Pathogenesis and clinical manifestations of chronic colonization by <i>Pseudomonas aeruginosa</i> and its biofilms in the airway tract. 2009 , 15, 125-42	25
893	Characterization of <i>Pseudomonas aeruginosa</i> associated with diseased postlarval abalone in Shenzhen, China. 2009 , 17, 449-458	3
892	Similarity of electrophoretic dissolved protein spectra from coastal to pelagic seawaters. 2009 , 65, 223-233	12

891	Bacterial attraction and quorum sensing inhibition in <i>Caenorhabditis elegans</i> exudates. 2009 , 35, 878-92	27
890	The influence of maggot excretions on PAO1 biofilm formation on different biomaterials. 2009 , 467, 536-45	43
889	Innovation for ascertaining genomic islands in PAO1 and PA14 of <i>Pseudomonas aeruginosa</i> . 2009 , 54, 3991-3999	5
888	Text mining biomedical literature for constructing gene regulatory networks. 2009 , 1, 179-86	7
887	CsrA interacting small RNAs in <i>Haemophilus</i> spp genomes: a theoretical analysis. 2009 , 191, 451-9	2
886	Enhanced degradation of TNT by genome-shuffled <i>Stenotrophomonas maltophilia</i> OK-5. 2009 , 59, 346-51	15
885	Structure and function of <i>Pseudomonas aeruginosa</i> protein PA1324 (21-170). 2009 , 18, 606-18	11
884	Aegerolysins: structure, function, and putative biological role. 2009 , 18, 694-706	56
883	Expression, refolding, crystallization and preliminary X-ray analysis of <i>Pseudomonas aeruginosa</i> AlgE. 2009 , 65, 463-6	8
882	Biochemical characterization of malate synthase G of <i>P. aeruginosa</i> . 2009 , 10, 20	11
881	Characterization of the orf1-tolQRA operon in <i>Pseudomonas aeruginosa</i> . 2009 , 53, 309-18	4
880	Protective effects of affinity-purified antibody and truncated vaccines against <i>Pseudomonas aeruginosa</i> V-antigen in neutropenic mice. 2009 , 53, 587-94	26
879	Enhanced biofilm formation and 3-chlorobenzoate degrading activity by the bacterial consortium of <i>Burkholderia</i> sp. NK8 and <i>Pseudomonas aeruginosa</i> PAO1. 2009 , 106, 790-800	41
878	Comparative genomics-guided loop-mediated isothermal amplification for characterization of <i>Pseudomonas syringae</i> pv. phaseolicola. 2009 , 107, 717-26	12
877	Multiple roles of <i>Pseudomonas aeruginosa</i> TBCF10839 PilY1 in motility, transport and infection. 2009 , 71, 730-47	45
876	Adaptation of <i>Pseudomonas aeruginosa</i> to various conditions includes tRNA-dependent formation of alanyl-phosphatidylglycerol. 2009 , 71, 551-65	90
875	TagR promotes PpkA-catalysed type VI secretion activation in <i>Pseudomonas aeruginosa</i> . 2009 , 72, 1111-25	85
874	FpvA bound to non-cognate pyoverdines: molecular basis of siderophore recognition by an iron transporter. 2009 , 72, 1246-59	49

873	The long-chain fatty acid sensor, PsrA, modulates the expression of rpoS and the type III secretion exsCEBA operon in <i>Pseudomonas aeruginosa</i> . 2009 , 73, 120-36	43
872	The GacS/GacA signal transduction system of <i>Pseudomonas aeruginosa</i> acts exclusively through its control over the transcription of the RsmY and RsmZ regulatory small RNAs. 2009 , 73, 434-45	272
871	Genetic and biochemical analyses of the <i>Pseudomonas aeruginosa</i> Psl exopolysaccharide reveal overlapping roles for polysaccharide synthesis enzymes in Psl and LPS production. 2009 , 73, 622-38	247
870	Hfq negatively regulates type III secretion in EHEC and several other pathogens. 2009 , 74, 347-63	65
869	The biofilm life cycle and virulence of <i>Pseudomonas aeruginosa</i> are dependent on a filamentous prophage. 2009 , 3, 271-82	216
868	Genomic islands of <i>Pseudomonas aeruginosa</i> . 2009 , 290, 70-8	56
867	Gene expression characteristics of a cystic fibrosis epidemic strain of <i>Pseudomonas aeruginosa</i> during biofilm and planktonic growth. 2009 , 292, 107-14	37
866	Identification of a novel regulator of the quorum-sensing systems in <i>Pseudomonas aeruginosa</i> . 2009 , 293, 196-204	12
865	The major outer membrane protein OprG of <i>Pseudomonas aeruginosa</i> contributes to cytotoxicity and forms an anaerobically regulated, cation-selective channel. 2009 , 296, 241-7	44
864	The role of rpoS gene and quorum-sensing system in ofloxacin tolerance in <i>Pseudomonas aeruginosa</i> . 2009 , 298, 184-92	43
863	Distinct roles for NtrC and GlnK in nitrogen regulation of the <i>Pseudomonas</i> sp. strain ADP cyanuric acid utilization operon. 2009 , 300, 222-9	14
862	Regulation of virulence and antibiotic resistance by two-component regulatory systems in <i>Pseudomonas aeruginosa</i> . 2009 , 33, 279-94	228
861	Novel experimental <i>Pseudomonas aeruginosa</i> lung infection model mimicking long-term host-pathogen interactions in cystic fibrosis. 2009 , 117, 95-107	41
860	The thermolysin family (M4) of enzymes: therapeutic and biotechnological potential. 2009 , 73, 7-16	103
859	Visualization of <i>Pseudomonas</i> genomic structure by abundant 8-14mer oligonucleotides. 2009 , 11, 1092-104	6
858	Distribution and evolution of ferripyoverdine receptors in <i>Pseudomonas aeruginosa</i> . 2009 , 11, 2123-35	41
857	Differential expression of multiple terminal oxidases for aerobic respiration in <i>Pseudomonas aeruginosa</i> . 2010 , 12, 1399-412	81
856	Response of the <i>Pseudomonas</i> host chromosomal transcriptome to carriage of the IncP-7 plasmid pCAR1. 2010 , 12, 1413-26	51

855	Anaerobic adaptation in <i>Pseudomonas aeruginosa</i> : definition of the Anr and Dnr regulons. 2010 , 12, 1719-33	115
854	Rhizosphere bacterial communities associated with disease suppressiveness stages of take-all decline in wheat monoculture. 2009 , 184, 694-707	115
853	Historical evolution and current status of the taxonomy of genus <i>Pseudomonas</i> . 2009 , 9, 1132-47	167
852	Use of non-porous pillar array columns for the separation of <i>Pseudomonas pyoverdine</i> siderophores as an example of a real-world biological sample. 2009 , 1216, 8603-11	11
851	Toward genomic identification of beta-barrel membrane proteins: composition and architecture of known structures. 2002 , 11, 301-12	178
850	Lessons from nature: "Pathogen-Mimetic" systems for mucosal nano-medicines. 2009 , 61, 172-92	32
849	Functional expression and characterization of keratinase from <i>Pseudomonas aeruginosa</i> in <i>Pichia pastoris</i> . 2009 , 57, 5321-5	21
848	Inactivation of the glycoside hydrolase NagZ attenuates antipseudomonal beta-lactam resistance in <i>Pseudomonas aeruginosa</i> . 2009 , 53, 2274-82	53
847	Evolution of transcriptional regulatory circuits in bacteria. 2009 , 138, 233-44	116
846	RISA-HPLC analysis of lung bacterial colonizers of cystic fibrosis children. 2009 , 76, 58-69	11
845	Dynamics of adaptive microevolution of hypermutable <i>Pseudomonas aeruginosa</i> during chronic pulmonary infection in patients with cystic fibrosis. 2009 , 200, 118-30	136
844	Role of Horizontal Gene Transfer in the Evolution of <i>Pseudomonas aeruginosa</i> Virulence. 2009 , 6, 126-139	26
843	Can misfolded proteins be beneficial? The HAMLET case. 2009 , 41, 162-76	34
842	Connecting quorum sensing, c-di-GMP, pel polysaccharide, and biofilm formation in <i>Pseudomonas aeruginosa</i> through tyrosine phosphatase TpbA (PA3885). 2009 , 5, e1000483	239
841	The era of 'omics unlimited. 2009 , 46, 351-2, 354-5	48
840	<i>Pseudomonas</i> Applications. 2009 , 1	1
839	Review: Lipopolysaccharide biosynthesis in <i>Pseudomonas aeruginosa</i> . 2009 , 15, 261-312	198
838	Cloning, expression, and purification of <i>Pseudomonas aeruginosa</i> keratinase in <i>Escherichia coli</i> AD494(DE3)pLysS expression system. 2009 , 57, 3506-11	24

837	Metabolic-network-driven analysis of bacterial ecological strategies. 2009 , 10, R61	69
836	Genomic and genetic analyses of diversity and plant interactions of <i>Pseudomonas fluorescens</i> . 2009 , 10, R51	297
835	Current treatment of pseudomonal infections in the elderly. 2009 , 26, 363-79	13
834	Alginate Production: Precursor Biosynthesis, Polymerization and Secretion. 2009 , 55-71	20
833	Temperature-dependent expression of <i>phzM</i> and its regulatory genes <i>lasI</i> and <i>ptsP</i> in rhizosphere isolate <i>Pseudomonas</i> sp. strain M18. 2009 , 75, 6568-80	47
832	Cross-reaction between proteins of <i>Larrea divaricata</i> Cav. (jarilla) and proteins of Gram-negative bacteria. 2009 , 31, 654-60	4
831	Enhanced citric acid biosynthesis in <i>Pseudomonas fluorescens</i> ATCC 13525 by overexpression of the <i>Escherichia coli</i> citrate synthase gene. 2009 , 155, 2620-2629	24
830	Trappin-2 promotes early clearance of <i>Pseudomonas aeruginosa</i> through CD14-dependent macrophage activation and neutrophil recruitment. 2009 , 174, 1338-46	32
829	Effects of combined treatment with sansanmycin and macrolides on <i>Pseudomonas aeruginosa</i> and formation of biofilm. 2009 , 22, 170-7	6
828	The Pho regulon influences biofilm formation and type three secretion in <i>Pseudomonas aeruginosa</i> . 2009 , 1, 488-94	16
827	An efflux pump is required for siderophore recycling by <i>Pseudomonas aeruginosa</i> . 2010 , 2, 412-8	41
826	Carbazole-degradative IncP-7 plasmid pCAR1.2 is structurally unstable in <i>Pseudomonas fluorescens</i> Pf0-1, which accumulates catechol, the intermediate of the carbazole degradation pathway. 2009 , 75, 3920-9	19
825	Genomics of secondary metabolite production by <i>Pseudomonas</i> spp. 2009 , 26, 1408-46	405
824	Evolutionary history of the <i>pil</i> gene cluster in the plant-associated bacterium <i>Pseudomonas fluorescens</i> . 2009 , 75, 2122-31	49
823	Antibacterial-resistant <i>Pseudomonas aeruginosa</i> : clinical impact and complex regulation of chromosomally encoded resistance mechanisms. 2009 , 22, 582-610	1065
822	Completed Genomes. 517-565	
821	Comparative transcriptome analyses of <i>Pseudomonas aeruginosa</i> . 2009 , 3, 349-61	32
820	Multiresistant Gram-negative infections: a global perspective. 2010 , 23, 546-53	128

819	Culturability and survival of marine, freshwater and clinical <i>Pseudomonas aeruginosa</i> . 2010 , 25, 266-74	23
818	Low expression of T-cell co-stimulatory molecules in bone marrow-derived dendritic cells in a mouse model of chronic respiratory infection with <i>Pseudomonas aeruginosa</i> . 2010 , 220, 59-65	5
817	Activation of human pro-urokinase by unrelated proteases secreted by <i>Pseudomonas aeruginosa</i> . 2010 , 428, 473-82	19
816	Organic-solvent stability of elastase strain K overexpressed in an <i>Escherichia-Pseudomonas</i> expression system. 2010 , 57, 1-7	11
815	The PQQ biosynthetic operons and their transcriptional regulation in <i>Pseudomonas aeruginosa</i> . 2010 , 192, 1-14	22
814	Transcriptional regulation of the acetyl-CoA synthetase gene <i>acsA</i> in <i>Pseudomonas aeruginosa</i> . 2010 , 192, 685-90	8
813	<i>Pseudomonas aeruginosa</i> PAO1 as a model for rhamnolipid production in bioreactor systems. 2010 , 87, 167-74	126
812	Overcoming Multidrug Resistance and Biofilms of with a Single Dual-Function Potentiator of β -Lactams. 2020 , 6, 1085-1097	9
811	The β -Lactamase Inhibitor Boronic Acid Derivative SM23 as a New Anti- Biofilm. 2020 , 11, 35	14
810	Emergence of a Plasmid-Encoded Resistance-Nodulation-Division Efflux Pump Conferring Resistance to Multiple Drugs, Including Tigecycline, in <i>Klebsiella pneumoniae</i> . 2020 , 11,	60
809	Multidrug Resistance (MDR) and Collateral Sensitivity in Bacteria, with Special Attention to Genetic and Evolutionary Aspects and to the Perspectives of Antimicrobial Peptides-A Review. 2020 , 9,	19
808	High clinical impact of rapid susceptibility testing on CHROMID ESBL medium directly from swabs. 2020 , 8, 604	3
807	Visible light plasmon excitation of silver nanoparticles against antibiotic-resistant <i>Pseudomonas aeruginosa</i> . 2020 , 31, 101908	11
806	Future impacts and trends in treatment of hospital wastewater. 2020 , 599-615	1
805	The relevance of enzyme specificity for coenzymes and the presence of 6-phosphogluconate dehydrogenase for polyhydroxyalkanoates production in the metabolism of <i>Pseudomonas</i> sp. LFM046. 2020 , 163, 240-250	3
804	Comparative genomics of multidrug-resistant <i>Enterococcus</i> spp. isolated from wastewater treatment plants. 2020 , 20, 20	16
803	Integrated Genome-Wide Analysis of an Isogenic Pair of Clinical Isolates with Differential Antimicrobial Resistance to Ceftolozane/Tazobactam, Ceftazidime/Avibactam, and Piperacillin/Tazobactam. 2020 , 21,	2
802	Insights into the Identification of the Specific Spoilage Organisms in Chicken Meat. 2020 , 9,	14

801	Membrane potentials, oxidative stress and the dispersal response of bacterial biofilms to 405 nm light. 2020 , 17, 036001	6
800	Genome-scale metabolic reconstruction and in silico analysis of the rice leaf blight pathogen, <i>Xanthomonas oryzae</i> . 2020 , 21, 527-540	8
799	PA5001 gene involves in swimming motility and biofilm formation in <i>Pseudomonas aeruginosa</i> . 2020 , 144, 103982	4
798	A Dimer, but Not Monomer, of Tobramycin Potentiates Ceftolozane against Multidrug-Resistant and Extensively Drug-Resistant <i>Pseudomonas aeruginosa</i> and Delays Resistance Development. 2020 , 64,	9
797	mutant fitness in microoxia is supported by an Anr-regulated oxygen-binding hemerythrin. 2020 , 117, 3167-3173	12
796	Molecular epidemiology of clinically high-risk <i>Pseudomonas aeruginosa</i> strains: Practical overview. 2020 , 64, 331-344	4
795	Effect of blue light at 410 and 455 nm on <i>Pseudomonas aeruginosa</i> biofilm. 2020 , 204, 111790	7
794	Specific Disruption of Established Biofilms Using Polymer-Attacking Enzymes. 2020 , 36, 1585-1595	12
793	High quality 3C de novo assembly and annotation of a multidrug resistant ST-111 <i>Pseudomonas aeruginosa</i> genome: Benchmark of hybrid and non-hybrid assemblers. 2020 , 10, 1392	17
792	Evaluation and characterization of the predicted diguanylate cyclase-encoding genes in <i>Pseudomonas aeruginosa</i> . 2020 , 9, e975	6
791	Analysis of biosorption and biotransformation mechanism of <i>Pseudomonas chengduensis</i> strain MBR under Cd(II) stress from genomic perspective. 2020 , 198, 110655	8
790	The <i>Pseudomonas aeruginosa</i> Lectin LecB Causes Integrin Internalization and Inhibits Epithelial Wound Healing. 2020 , 11,	18
789	Further understanding of <i>P. aeruginosa</i> 's ability to horizontally acquire virulence: possible intervention strategies. 2020 , 18, 539-549	5
788	A type VI secretion system delivers a cell wall amidase to target bacterial competitors. 2020 , 114, 308-321	10
787	PA0335, a Gene Encoding Histidinol Phosphate Phosphatase, Mediates Histidine Auxotrophy in. 2020 , 86,	2
786	Fis Contributes to Resistance of <i>Pseudomonas aeruginosa</i> to Ciprofloxacin by Regulating Pyocin Synthesis. 2020 , 202,	4
785	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. 2020 , 202,	12
784	Quantitative Framework for Model Evaluation in Microbiology Research Using and Cystic Fibrosis Infection as a Test Case. 2020 , 11,	37

783	The aerobic respiratory chain of <i>Pseudomonas aeruginosa</i> cultured in artificial urine media: Role of NQR and terminal oxidases. 2020 , 15, e0231965	4
782	Microcontainer Delivery of Antibiotic Improves Treatment of <i>Pseudomonas aeruginosa</i> Biofilms. 2020 , 9, e1901779	14
781	Action of a minimal contractile bactericidal nanomachine. <i>Nature</i> , 2020 , 580, 658-662	50.4 19
780	RhlR-Regulated Acyl-Homoserine Lactone Quorum Sensing in a Cystic Fibrosis Isolate of <i>Pseudomonas aeruginosa</i> . 2020 , 11,	28
779	Pulmonary Pathogens Adapt to Immune Signaling Metabolites in the Airway. 2020 , 11, 385	21
778	Genomics-Metabolomics Profiling Disclosed Marine 3.6 as a Producer of a New Branched Side Chain Prodigiosin. 2020 , 83, 1495-1504	10
777	Common Adaptive Strategies Underlie Within-Host Evolution of Bacterial Pathogens. 2021 , 38, 1101-1121	8
776	Pandrug-resistant <i>Pseudomonas</i> sp. expresses New Delhi metallo- β -lactamase-1 and consumes ampicillin as sole carbon source. 2021 , 27, 472.e1-472.e5	1
775	Possible drugs for the treatment of bacterial infections in the future: anti-virulence drugs. 2021 , 74, 24-41	13
774	In-situ and continuous monitoring of pyocyanin in the formation process of <i>Pseudomonas aeruginosa</i> biofilms by an electrochemical biosensor chip. 2021 , 327, 128945	6
773	Biodeterioration of asbestos cement by siderophore-producing <i>Pseudomonas</i> . 2021 , 403, 123699	5
772	Repeated isolation of an antibiotic-dependent and temperature-sensitive mutant of <i>Pseudomonas aeruginosa</i> from a cystic fibrosis patient. 2021 , 76, 616-625	1
771	A balanced reduction in mineral fertilizers benefits P reserve and inorganic P-solubilizing bacterial communities under residue input. 2021 , 159, 103833	4
770	Small Molecule Inhibitors of the Bacterioferritin (BfrB)-Ferredoxin (Bfd) Complex Kill Biofilm-Embedded Cells. 2021 , 7, 123-140	6
769	Whole-genome sequence, functional annotation, and comparative genomics of the high biofilm-producing multidrug-resistant <i>Pseudomonas aeruginosa</i> MZ4A isolated from clinical waste. 2021 , 22, 100999	1
768	The Polyaminoisoprenyl Potentiator NV716 Revives Old Disused Antibiotics against Intracellular Forms of Infection by <i>Pseudomonas aeruginosa</i> . 2021 , 65,	1
767	Does anaerobic condition play a more positive role in dissipation of antibiotic resistance genes in soil?. 2021 , 757, 143737	5
766	CRISPR-Cas systems restrict horizontal gene transfer in <i>Pseudomonas aeruginosa</i> . 2021 , 15, 1420-1433	10

765	Genetic and functional diversity of Psl/PSyR quorum-sensing system in the <i>Pseudomonas syringae</i> complex. 2021 , 97,	1
764	Evaluating the effect of antibiotics sub-inhibitory dose on quorum sensing dependent virulence and its phenotypes. 2021 , 28, 550-559	4
763	The effect of particle size of inhaled tobramycin dry powder on the eradication of <i>Pseudomonas aeruginosa</i> biofilms. 2021 , 158, 105680	0
762	Transcriptome profiling of <i>Pseudomonas aeruginosa</i> YH reveals mechanisms of 2, 2', 4, 4'-tetrabrominated diphenyl ether tolerance and biotransformation. 2021 , 403, 124038	2
761	Comparing the nasal bacterial microbiome diversity of allergic rhinitis, chronic rhinosinusitis and control subjects. 2021 , 278, 711-718	7
760	Tetradecanoic Acids With Anti-Virulence Properties Increase the Pathogenicity of in a Murine Cutaneous Infection Model. 2020 , 10, 597517	3
759	Mesopelagic microbial carbon production correlates with diversity across different marine particle fractions. 2021 , 15, 1695-1708	8
758	Genomics Insights into sp. CG01: An Antarctic Cadmium-Resistant Strain Capable of Biosynthesizing CdS Nanoparticles Using Methionine as S-Source. 2021 , 12,	1
757	Mechanisms for Development of Ciprofloxacin Resistance in a Clinical Isolate of. 2020 , 11, 598291	4
756	Multiple Gene Clusters and Their Role in the Degradation of Chlorophenoxyacetic Acids in <i>Bradyrhizobium</i> sp. RD5-C2 Isolated from Non-Contaminated Soil. 2021 , 36,	0
755	Determination of the two-component systems regulatory network reveals core and accessory regulations across <i>Pseudomonas aeruginosa</i> lineages. 2021 , 49, 11476-11490	7
754	Effect of Polyhexamethylene Biguanide in Combination with Undecylenamidopropyl Betaine or PslG on Biofilm Clearance. 2021 , 22,	4
753	Recent Trends in Computer-Aided Drug Design. 2021 , 123-151	
752	Inhibition of biofilm formation and quorum sensing mediated virulence in <i>Pseudomonas aeruginosa</i> by marine sponge symbiont <i>Brevibacterium casei</i> strain Alu 1. 2021 , 150, 104693	5
751	Glucose-Binding of Periplasmic Protein GltB Activates GtrS-GltR Two-Component System in. 2021 , 9,	6
750	The three NADH dehydrogenases of <i>Pseudomonas aeruginosa</i> : Their roles in energy metabolism and links to virulence. 2021 , 16, e0244142	1
749	<i>Pseudomonas aeruginosa</i> associated with severity of non-cystic fibrosis bronchiectasis measured by the modified bronchiectasis severity score (BSI) and the FACED: The US bronchiectasis and NTM Research Registry (BRR) study. 2020 , 177, 106285	2
748	Genome-Wide Mapping Reveals Complex Regulatory Activities of BfmR in. 2021 , 9,	3

747	Transcription Inhibitors with XRE DNA-Binding and Cupin Signal-Sensing Domains Drive Metabolic Diversification in. 2021 , 6,	8
746	, encoding a Ca-regulated putative phytase, is evolutionarily conserved in and has potential as a biomarker. 2021 , 167,	0
745	Bacterial Interactions with in the Immunocompromised Lung. 2021 , 9,	4
744	Peptidoglycan-Binding Anchor Is a OmpA Family Lipoprotein With Importance for Outer Membrane Vesicles, Biofilms, and the Periplasmic Shape. 2021 , 12, 639582	4
743	The influence of spaceflight and simulated microgravity on bacterial motility and chemotaxis. 2021 , 7, 7	7
742	Capsule protects against intracellular killing and enables vascular endothelial cell translocation during invasive pneumococcal disease.	
741	A D-2-hydroxyglutarate biosensor based on specific transcriptional regulator DhdR.	
740	Synergistic Killing and Re-Sensitization of to Antibiotics by Phage-Antibiotic Combination Treatment. 2021 , 14,	13
739	A Perspective of the Cumulative Risks from Climate Change on Mt. Everest: Findings from the 2019 Expedition. 2021 , 18,	1
738	Elucidation of the hetero-dimeric binding activity of LasR and RhlR proteins with the promoter DNA and the role of a specific Phe residue during the biosynthesis of HCN synthase from opportunistic pathogen <i>Pseudomonas aeruginosa</i> . 2021 , 27, 76	0
737	Prevalence of the Genes Associated with Biofilm and Toxins Synthesis amongst the Clinical Strains. 2021 , 10,	3
736	A Grad-seq View of RNA and Protein Complexes in <i>Pseudomonas aeruginosa</i> under Standard and Bacteriophage Predation Conditions. 2021 , 12,	7
735	Nonclassical antagonism between human lysozyme and AMPs against <i>Pseudomonas aeruginosa</i> . 2021 , 11, 705-713	4
734	A novel copper-sensing two-component system for inducing Dsb gene expression in bacteria. 2021 ,	3
733	Comparative population genomic analyses of transporters within the Asgard archaeal superphylum. 2021 , 16, e0247806	0
732	Characterization of antibiotic resistance profiles in <i>Pseudomonas aeruginosa</i> isolates from burn patients. 2021 , 47, 1833-1843	0
731	<i>Pseudomonas aeruginosa</i> prioritizes detoxification of hydrogen peroxide over nitric oxide. 2021 , 14, 120	0
730	RNA release via membrane vesicles in <i>Pseudomonas aeruginosa</i> PAO1 is associated with the growth phase. 2021 , 23, 5030-5041	4

729	Discovery of mosaic genomic islands in <i>Pseudomonas</i> spp. 2021 , 203, 2735-2742	1
728	Targeted Genome Reduction of Strain PAO1 Led to the Development of Hypovirulent and Hypersusceptible rDNA Hosts. 2021 , 9, 640450	1
727	Experimental Evolution of Interference Competition. 2021 , 12, 613450	1
726	Transmission, adaptation and geographical spread of the Liverpool epidemic strain. 2021 , 7,	5
725	How to Enter a Bacterium: Bacterial Porins and the Permeation of Antibiotics. 2021 , 121, 5158-5192	24
724	Molecular Basis of AmpC Lactamase Induction by Avibactam in : PBP Occupancy, Live Cell Binding Dynamics and Impact on Resistant Clinical Isolates Harboring PDC-X Variants. 2021 , 22,	0
723	Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> : A Concise Review.	4
722	Induction of Native c-di-GMP Phosphodiesterases Leads to Dispersal of <i>Pseudomonas aeruginosa</i> Biofilms. 2021 , 65,	6
721	Isolation and Characterization of Strain sp. KRL4, a Producer of Bioactive Secondary Metabolites from a Tibetan Glacier. 2021 , 9,	2
720	Calcium-Regulated Protein CarP Responds to Multiple Host Signals and Mediates Regulation of <i>Pseudomonas aeruginosa</i> Virulence by Calcium. 2021 , 87,	0
719	NirA Is an Alternative Nitrite Reductase from <i>Pseudomonas aeruginosa</i> with Potential as an Antivirulence Target. 2021 , 12,	0
718	Virulence Factors Support Voriconazole Effects on. 2021 , 10,	1
717	Trehalose and β -glucan mediate distinct abiotic stress responses in <i>Pseudomonas aeruginosa</i> . 2021 , 17, e1009524	2
716	Co-delivery of ciprofloxacin and colistin using microcontainers for bacterial biofilm treatment. 2021 , 599, 120420	1
715	The MarR-Type Regulator PA3458 Is Involved in Osmoadaptation Control in. 2021 , 22,	4
714	New Sequence Type ST3449 in Multidrug-Resistant Isolates from a Cystic Fibrosis Patient. 2021 , 10,	1
713	Rapid evolution and host immunity drive the rise and fall of carbapenem resistance during an acute <i>Pseudomonas aeruginosa</i> infection. 2021 , 12, 2460	14
712	The Building Blocks of Antimicrobial Resistance in : Implications for Current Resistance-Breaking Therapies. 2021 , 11, 665759	21

711	The AraC-Type Transcriptional Regulator GliR (PA3027) Activates Genes of Glycerolipid Metabolism in. 2021 , 22,	1
710	Phage Biocontrol of in Water. 2021 , 13,	2
709	Functional and Structural Annotation of a Hypothetical Protein (PA2373) from <i>Pseudomonas aeruginosa</i> PA01. 2021 , 17, 262-270	
708	Autoinducer N-(3-oxododecanoyl)-L-homoserine lactone induces calcium and reactive oxygen species-mediated mitochondrial damage and apoptosis in blood platelets. 2021 , 154, 104792	0
707	Three-Dimensional Micropatterning Deters Early Bacterial Adherence and Can Eliminate Colonization. 2021 , 13, 23339-23351	1
706	A wide-ranging <i>Pseudomonas aeruginosa</i> PeptideAtlas build: A useful proteomic resource for a versatile pathogen. 2021 , 239, 104192	1
705	Substrate specialization in microbes is driven by biochemical constraints of dynamic flux sensing.	0
704	Comparative genome analysis of multidrug-resistant <i>Pseudomonas aeruginosa</i> JNQH-PA57, a clinically isolated mucoid strain with comprehensive carbapenem resistance mechanisms. 2021 , 21, 133	3
703	Heterogenous Susceptibility to R-Pyocins in Populations of <i>Pseudomonas aeruginosa</i> Sourced from Cystic Fibrosis Lungs. 2021 , 12,	6
702	Interaction with teichoic acids contributes to highly effective antibacterial activity of graphene oxide on Gram-positive bacteria. 2021 , 412, 125333	8
701	Effectors of the <i>Stenotrophomonas maltophilia</i> Type IV Secretion System Mediate Killing of Clinical Isolates of <i>Pseudomonas aeruginosa</i> . 2021 , 12, e0150221	0
700	The LysR-type transcriptional regulator BsrA (PA2121) controls vital metabolic pathways in <i>Pseudomonas aeruginosa</i> .	
699	Predicting drug targets by homology modelling of <i>Pseudomonas aeruginosa</i> proteins of unknown function.	
698	Genome-wide association study of signature genetic alterations among <i>pseudomonas aeruginosa</i> cystic fibrosis isolates. 2021 , 17, e1009681	2
697	Bioactivity of atemoya fruits and by-products. 2021 , 41, 101036	1
696	Reconstructing a Wild-Type <i>Pseudomonas aeruginosa</i> Reference Strain PAO1. 2021 , 203, e0017921	3
695	Quorum sensing inhibitory effect of bergamot oil and <i>aspidosperma</i> extract against <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . 2021 , 203, 4663-4675	1
694	Photoinactivation of Biofilm by Dicationic Diaryl-Porphyrin. 2021 , 22,	2

- 693 Siderophores drive invasion dynamics in bacterial communities through their dual role as public good versus public bad.
- 692 The Quorum-Sensing Inhibitor Furanone C-30 Rapidly Loses Its Tobramycin-Potentiating Activity against *Pseudomonas aeruginosa* Biofilms during Experimental Evolution. **2021**, 65, e0041321 4
- 691 Toxicity and bacterial anti-motility activities of the hydroethanolic extract of *Acacia senegal* (L.) Willd (Fabaceae) leaves. **2021**, 21, 178
- 690 Evolution of the quorum sensing regulon in cooperating populations of *Pseudomonas aeruginosa*.
- 689 Efficient genome editing for *Pseudomonas aeruginosa* using CRISPR-Cas12a. **2021**, 790, 145693 1
- 688 Biofilm associated genotypes of multiple antibiotic resistant *Pseudomonas aeruginosa*. **2021**, 22, 572 2
- 687 Molecular and structural facets of c-di-GMP signalling associated with biofilm formation in *Pseudomonas aeruginosa*. **2021**, 81, 101001 2
- 686 Comparative Analysis of non-coding smallRNAs in *Pseudomonas aeruginosa* Keratitis Strains with Different Antibiotic Susceptibility.
- 685 The structural role of bacterial eDNA in the formation of biofilm streamers.
- 684 Nitric Oxide Photo-Donor Hybrids of Ciprofloxacin and Norfloxacin: A Shift in Activity from Antimicrobial to Anticancer Agents. **2021**, 64, 11597-11613 1
- 683 Substrate usage determines carbon flux via the citrate cycle in *Helicobacter pylori*. **2021**, 116, 841-860 0
- 682 Determination of the Two-Component Systems regulatory network reveals core and accessory regulations across *Pseudomonas aeruginosa* lineages.
- 681 Molecular Mechanisms Underlying the Regulation of Biofilm Formation and Swimming Motility by FleS/FleR in. **2021**, 12, 707711 2
- 680 Analysis of Swimming, Swarming and Twitching Movements of *Pseudomonas aeruginosa* and its Recombinant Strain. **2021**, 14, 510-516
- 679 The bacteriophage LUZ24 "Igy" peptide inhibits the *Pseudomonas* DNA gyrase. **2021**, 36, 109567 4
- 678 The LysR-Type Transcriptional Regulator BsrA (PA2121) Controls Vital Metabolic Pathways in. **2021**, 6, e0001521 4
- 677 Foundational concepts in the biology of bacterial keratitis. **2021**, 209, 108647 6
- 676 Diversity in the composition of the accessory genome of Mexican *Pseudomonas aeruginosa* strains. **2021**, 1

675	Integrated mass spectrometry-based multi-omics for elucidating mechanisms of bacterial virulence. 2021 , 49, 1905-1926	
674	Membrane Sensor Histidine Kinases: Insights from Structural, Ligand and Inhibitor Studies of Full-Length Proteins and Signalling Domains for Antibiotic Discovery. 2021 , 26,	1
673	Enzymatic and Antimicrobial Activity of Biologically Active Samples from and. 2021 , 10,	2
672	Coordinately regulated interbacterial antagonism defense pathways constitute a bacterial innate immune system.	0
671	The Small RNA ErsA Impacts the Anaerobic Metabolism of Through Post-Transcriptional Modulation of the Master Regulator Anr. 2021 , 12, 691608	0
670	Long-term coexistence of and using an cystic fibrosis model. 2021 , 16, 879-893	0
669	Soil platispheres as hotpots of antibiotic resistance genes and potential pathogens. 2021 ,	12
668	Absence of Light Exposure Increases Pathogenicity of Pneumonia-Associated Clinical Isolates. 2021 , 10,	
667	Genome-wide protein-DNA interaction site mapping using a double strand DNA-specific cytosine deaminase.	0
666	Outbreak of <i>Pseudomonas aeruginosa</i> producing VIM carbapenemase in an intensive care unit and its termination by implementation of waterless patient care. 2021 , 25, 301	6
665	Impacts of Ser/Thr Protein Kinase Stk1 on the Proteome, Twitching Motility, and Competitive Advantage in. 2021 , 12, 738690	0
664	Poly (acetyl, arginyl) glucosamine disrupts <i>Pseudomonas aeruginosa</i> biofilms and enhances bacterial clearance in a rat lung infection model.	1
663	RiboRid: A low cost, advanced, and ultra-efficient method to remove ribosomal RNA for bacterial transcriptomics. 2021 , 17, e1009821	0
662	Characterization of the diastaphenazine/izumiphenazine C biosynthetic gene cluster from plant endophyte <i>Streptomyces diastaticus</i> W2. 2021 ,	0
661	Sanguinarine Inhibits the 2-Ketogluconate Pathway of Glucose Utilization in. 2021 , 12, 744458	1
660	Secretin channel-interactors prevent antibiotic influx during type IV pili assembly in <i>Pseudomonas aeruginosa</i> .	
659	A Systematic Strategy to Find Potential Therapeutic Targets for Using Integrated Computational Models. 2021 , 8, 728129	1
658	Neutrophil extracellular traps enhance macrophage killing of bacterial pathogens. 2021 , 7, eabj2101	9

657	Label-free quantitative proteomics identifies unique proteomes of clinical isolates of the Liverpool Epidemic Strain of <i>Pseudomonas aeruginosa</i> and laboratory strain PAO1. 2021 , 15, e2100062	1
656	Three-dimensional morphology of bacterial community developed on the index-matched materials. 2021 , 11, 19508	
655	Optimization of Hydroperoxide Lyase Production for Recombinant Lipoxygenase Pathway Cascade Application. 2021 , 11, 1201	0
654	Inactivation of CbrAB two-component system hampers root colonization in rhizospheric strain of <i>Pseudomonas aeruginosa</i> PGPR2. 2021 , 1864, 194763	1
653	Resistance elicited by sub-lethal concentrations of ampicillin is partially mediated by quorum sensing in <i>Pseudomonas aeruginosa</i> . 2021 , 156, 106619	1
652	MetW regulates the enzymatic activity of MetX in <i>Pseudomonas</i> . 2021 , 85, 351-358	
651	Over-Expression of Hypochlorite Inducible Major Facilitator Superfamily (MFS) Pumps Reduces Antimicrobial Drug Susceptibility by Increasing the Production of MexXY Mediated by ArmZ in. 2020 , 11, 592153	3
650	Estimation of pathogenic potential of an environmental <i>Pseudomonas aeruginosa</i> isolate using comparative genomics. 2021 , 11, 1370	2
649	It's Not Easy Being Green: A Narrative Review on the Microbiology, Virulence and Therapeutic Prospects of Multidrug-Resistant. 2021 , 10,	55
648	Quorum sensing systems, related virulence factors, and biofilm formation in <i>Pseudomonas aeruginosa</i> isolated from fish. 2021 , 203, 1519-1528	2
647	A high-throughput cell-based assay pipeline for the preclinical development of bacterial DsbA inhibitors as antivirulence therapeutics. 2021 , 11, 1569	4
646	Elastase Contributes to the Establishment of Chronic Lung Colonization and Modulates the Immune Response in a Murine Model. 2020 , 11, 620819	4
645	Transcriptome Analysis of Biofilm Following the Exposure to Malaysian Stingless Bee Honey. 2021 , 14, 1-11	3
644	Cluster II che genes of <i>Pseudomonas syringae</i> pv. <i>tabaci</i> 6605, orthologs of cluster I in <i>Pseudomonas aeruginosa</i> , are required for chemotaxis and virulence. 2021 , 296, 299-312	2
643	Metabolic Pathways and Engineering of Polyhydroxyalkanoate Biosynthesis. 2002 ,	8
642	New Insights on Iron Acquisition Mechanisms in Pathogenic <i>Pseudomonas</i> . 2006 , 1-34	2
641	Clonal Variations in <i>Pseudomonas aeruginosa</i> . 2006 , 35-68	20
640	Evolution of Catabolic Pathways in <i>Pseudomonas</i> Through Gene Transfer. 2006 , 189-236	4

639	Listeria monocytogenes and the Genus Listeria. 2006 , 404-476	18
638	Pseudomonas aeruginosa. 2006 , 704-713	10
637	What We Can Deduce about Metabolism in the Moderate Halophile Chromohalobacter Salaxigens from its Genomic Sequence. 2005 , 267-285	4
636	Quorum Sensing: A Cell-Cell Signalling Mechanism Used to Coordinate Behavioral Changes in Bacterial Populations. 2006 , 42-48	2
635	The type III cytotoxins of Yersinia and Pseudomonas aeruginosa that modulate the actin cytoskeleton. 2005 , 291, 147-66	16
634	Bacterial Conjugation in Soil. 2006 , 331-353	4
633	Detection of topological patterns in protein networks. 2004 , 26, 33-47	5
632	The Agrobacterium Tumefaciens C58 Genome. 2008 , 149-181	4
631	Genomics of Pseudomonas fluorescens PF-5. 2007 , 3-30	3
630	Quorum-Quenching Acylases in Pseudomonas aeruginosa. 2007 , 429-449	4
629	Pseudomonas aeruginosa Biofilms in the Lungs of Cystic Fibrosis Patients. 2011 , 167-184	3
628	The five bacterial lectins (PA-IL, PA-IIL, RSL, RS-IIL, and CV-IIL): interactions with diverse animal cells and glycoproteins. 2011 , 705, 155-211	8
627	Compiling Sigma-70-Dependent Promoters. 2004 , 319-343	21
626	Compiling Extracytoplasmic Function (ECF) Sigma Factors Regulated Promoters in Pseudomonas. 2004 , 345-363	1
625	Iron Regulation and Siderophore Signalling in Virulence by Pseudomonas Aeruginosa. 2004 , 69-123	17
624	Two-Component Signal Transduction Systems: A Key to the Adaptative Potential of Pseudomonas Aeruginosa. 2004 , 257-288	6
623	Molecular Tools for Genetic Analysis of Pseudomonads. 2004 , 317-350	7
622	The Pathogenic Lifestyle of Pseudomonas aeruginosa in Model Systems of Virulence. 2004 , 477-503	6

621	The Outer Membranes of Pseudomonads. 2004 , 575-601	18
620	Fimbrial Genes in <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas putida</i> . 2004 , 721-748	6
619	Chemotaxis in Pseudomonads. 2004 , 793-815	14
618	Comparative Genomics of Four <i>Pseudomonas</i> Species. 2004 , 139-164	7
617	Lipopolysaccharides of <i>Pseudomonas aeruginosa</i> . 2004 , 3-51	8
616	Activation of Transcription Initiation and Regulation of Tryptophan Biosynthesis in Fluorescent Pseudomonads. 2004 , 293-322	2
615	Metabolism of Sulphur-Containing Organic Compounds. 2004 , 323-357	13
614	Alkane Degradation by Pseudomonads. 2004 , 397-423	7
613	Alginate Biosynthesis. 2004 , 53-81	10
612	Solvent-Tolerance of Pseudomonads: A New Degree of Freedom in Biocatalysis. 2004 , 609-634	9
611	Biosynthesis and Regulation of Anti-Fungal Metabolites by Pseudomonads. 2004 , 637-670	8
610	Fatty Acid Biosynthesis and Biologically Significant Acyl Transfer Reactions in Pseudomonads. 2004 , 83-109	8
609	Denitrification by Pseudomonads: Control and Assembly Processes. 2004 , 193-227	5
608	Arginine and Polyamine Metabolism. 2004 , 243-272	10
607	<i>Pseudomonas aeruginosa</i> : A Persistent Pathogen in Cystic Fibrosis and Hospital-Associated Infections. 2012 , 679-715	7
606	Determination of lipolytic enzyme activities. 2014 , 1149, 111-34	23
605	Signature-tagged mutagenesis. 2014 , 1149, 541-54	1
604	Genotyping methods. 2014 , 1149, 33-47	1

603	Essential genes in the infection model of <i>Pseudomonas aeruginosa</i> -PCR-based signature-tagged mutagenesis. 2015 , 1279, 97-123	2
602	Pulsed-field gel electrophoresis of <i>Pseudomonas aeruginosa</i> . 2015 , 1301, 157-70	6
601	"Hot Stuff": The Many Uses of a Radiolabel Assay in Detecting Acyl-Homoserine Lactone Quorum-Sensing Signals. 2018 , 1673, 35-47	5
600	DNA Microarray Expression Analysis in Antibacterial Drug Discovery. 2002 , 97-112	1
599	The Influence of Genomics on the Molecular Epidemiology of Nosocomial Pathogens. 2002 , 113-131	1
598	Biocomputational strategies for microbial drug target identification. 2008 , 142, 1-9	14
597	Essential genes in the infection model of <i>Pseudomonas aeruginosa</i> PCR-based signature-tagged mutagenesis. 2008 , 416, 61-82	6
596	How to make a defined near-saturation mutant library. Case 1: <i>Pseudomonas aeruginosa</i> PAO1. 2008 , 416, 133-52	2
595	Regulation of Cyclic di-GMP Signaling in <i>Pseudomonas aeruginosa</i> . 2020 , 471-486	1
594	Enzymes for Aerobic Degradation of Alkanes in Bacteria. 2017 , 1-25	5
593	Antimicrobial Resistance in <i>Stenotrophomonas maltophilia</i> : Mechanisms and Clinical Implications. 2017 , 937-958	3
592	Pyoverdine Synthesis and its Regulation in Fluorescent <i>Pseudomonads</i> . 2007 , 135-163	5
591	In silico Identification of Putative Drug Targets in <i>Pseudomonas aeruginosa</i> Through Metabolic Pathway Analysis. 2007 , 323-336	3
590	Bacterial System for Alginate Uptake and Degradation. 2009 , 73-94	4
589	Alginate Gene Regulation. 2009 , 117-133	3
588	Integration of Cell-to-Cell Signals in Soil Bacterial Communities. 2011 , 369-401	3
587	Genomic Features and Regulation of Phenazine Biosynthesis in the Rhizosphere Strain <i>Pseudomonas aeruginosa</i> M18. 2013 , 177-198	8
586	Novel Targets for Treatment of <i>Pseudomonas aeruginosa</i> Biofilms. 2014 , 257-272	1

585	Small RNAs of <i>Pseudomonas</i> spp.. 2010 , 3-28	4
584	Emergence of <i>Pseudomonas aeruginosa</i> in Cystic Fibrosis Lung Infections. 2010 , 141-175	1
583	<i>Pseudomonas aeruginosa</i> and Its Arsenal of Proteases: Weapons to Battle the Host. 2017 , 381-397	8
582	Bacteriology, Major Pathogens, and Diseases. 2007 , 469-477	1
581	Pseudolysin. 2004 , 401-409	3
580	<i>Pseudomonas aeruginosa</i> . 2010 , 2835-2860	17
579	Role of the Histidine-Containing Phosphotransfer Domain (HPT) in the Multistep Phosphorelay through the Anaerobic Hybrid Sensor, ArcB. 2003 , 165-190	1
578	Hyperbaric oxygen treatment increases killing of aggregating <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis patients. 2019 , 18, 657-664	14
577	Adaptive divergence in experimental populations of <i>Pseudomonas fluorescens</i> . I. Genetic and phenotypic bases of wrinkly spreader fitness. 2002 , 161, 33-46	215
576	Spatial structure maintains diversity of pyocin inhibition in household. 2020 , 287, 20201706	3
575	Prevalence of type III secretion genes in clinical and environmental isolates of <i>Pseudomonas aeruginosa</i> . 2001 , 147, 2659-2669	294
574	Genomic analysis of the erythromycin resistance element Tn5398 from <i>Clostridium difficile</i> . 2001 , 147, 2717-2728	79
573	Genomic analysis of the histidine kinase family in bacteria and archaea. 2001 , 147, 1197-1212	99
572	Involvement of a transformylase enzyme in siderophore synthesis in <i>Pseudomonas aeruginosa</i> . 2001 , 147, 1517-1524	56
571	Bacterial Ohr and OsmC paralogues define two protein families with distinct functions and patterns of expression. 2001 , 147, 1775-1782	86
570	A polymorphic region in <i>Mycobacterium abscessus</i> contains a novel insertion sequence element. 2002 , 148, 2987-2996	21
569	Transcriptional analysis of the gene encoding peptidyl-tRNA hydrolase in <i>Escherichia coli</i> . 2002 , 148, 3457-3466	12
568	<i>Streptomyces</i> spp. contain class Ia and class II ribonucleotide reductases: expression analysis of the genes in vegetative growth. 2002 , 148, 391-404	23

567	Characterization of a member of the NnrR regulon in <i>Rhodobacter sphaeroides</i> 2.4.3 encoding a haem-copper protein. 2002 , 148, 825-833	37
566	Characterization of the replicator region of megaplasmid pTAV3 of <i>Paracoccus versutus</i> and search for plasmid-encoded traits. 2002 , 148, 871-881	20
565	Functional replacement of the <i>Escherichia coli</i> hfq gene by the homologue of <i>Pseudomonas aeruginosa</i> . 2002 , 148, 883-891	45
564	Biosynthesis of sulfur-containing amino acids in <i>Streptomyces venezuelae</i> ISP5230: roles for cystathionine beta-synthase and transsulfuration. 2002 , 148, 2135-2147	9
563	Isolation and analysis of a protease gene with an ABC transport system in the fish pathogen <i>Yersinia ruckeri</i> : insertional mutagenesis and involvement in virulence. 2002 , 148, 2233-2243	29
562	Cloning and expression of the phosphotriesterase gene <i>hocA</i> from <i>Pseudomonas monteilii</i> C11. 2002 , 148, 2687-2695	50
561	Control of quorum sensing and virulence factors of <i>Pseudomonas aeruginosa</i> using phenylalanine arginyl ϵ -aphthylamide. 2016 , 65, 1194-1204	38
560	Small colony variants are more susceptible to copper-mediated contact killing for <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . 2016 , 65, 1143-1151	9
559	Inhibition of quorum-sensing-controlled virulence factors of <i>Pseudomonas aeruginosa</i> by <i>Murraya koenigii</i> essential oil: a study in a <i>Caenorhabditis elegans</i> infectious model. 2016 , 65, 1528-1535	17
558	is an indicator of PAO1 strain integrity. 2020 , 69, 139-145	10
557	Harnessing bacterial interactions to manage infections: a review on the opportunistic pathogen as a case example. 2020 , 69, 147-161	12
556	There is no hiding if you Seq: recent breakthroughs in research revealed by genomic and transcriptomic next-generation sequencing. 2020 , 69, 162-175	12
555	Not all <i>Pseudomonas aeruginosa</i> are equal: strains from industrial sources possess uniquely large multireplicon genomes. 2019 , 5,	11
554	Antibiotic resistance in and adaptation to complex dynamic environments. 2020 , 6,	5
553	: typing of genome-level order and orientation around ribosomal operons in bacteria. 2020 , 6,	6
552	Genetic and biochemical characterization of arginine biosynthesis in <i>Sinorhizobium meliloti</i> 1021. 2015 , 161, 1671-1682	9
551	Pigments influence the tolerance of <i>Pseudomonas aeruginosa</i> PAO1 to photodynamically induced oxidative stress. 2015 , 161, 2298-309	37
550	Pseudolysogeny and sequential mutations build multiresistance to virulent bacteriophages in <i>Pseudomonas aeruginosa</i> . 2016 , 162, 748-763	37

549	Exposure to low UVA doses increases KatA and KatB catalase activities, and confers cross-protection against subsequent oxidative injuries in <i>Pseudomonas aeruginosa</i> . 2016 , 162, 855-864	10
548	Honey-sensitive <i>Pseudomonas aeruginosa</i> mutants are impaired in catalase A. 2016 , 162, 1554-1562	3
547	The anti-cancerous drug doxorubicin decreases the c-di-GMP content in <i>Pseudomonas aeruginosa</i> but promotes biofilm formation. 2016 , 162, 1797-1807	15
546	<i>Pseudomonas aeruginosa</i> gbdR gene is transcribed from a β 4-dependent promoter under the control of NtrC/CbrB, IHF and BetI. 2017 , 163, 1343-1354	2
545	The <i>Pseudomonas aeruginosa</i> dnaK gene is involved in bacterial translocation across the intestinal epithelial cell barrier. 2017 , 163, 1208-1216	9
544	Response to photo-oxidative stress of <i>Pseudomonas aeruginosa</i> PAO1 mutants impaired in different functions. 2017 , 163, 1557-1567	4
543	Lack of glyoxylate shunt dysregulates iron homeostasis in <i>Pseudomonas aeruginosa</i> . 2018 , 164, 587-599	15
542	Anti- <i>Pseudomonas</i> activity of 3-nitro-4-phenylfuroxan. 2018 , 164, 1557-1566	4
541	Evolution of bacteria seen through their essential genes: the case of and. 2019 , 165, 976-984	3
540	Microbe Profile: : opportunistic pathogen and lab rat. 2020 , 166, 30-33	64
539	The histone-like protein AlgP regulon is distinct in mucoid and nonmucoid and does not include alginate biosynthesis genes. 2020 , 166, 861-866	1
538	MifS, a DctB family histidine kinase, is a specific regulator of α -ketoglutarate response in PAO1. 2020 , 166, 867-879	4
537	is capable of natural transformation in biofilms. 2020 , 166, 995-1003	13
536	Gene cloning and characteristics of the RND-type multidrug efflux pump MuxABC-OpmB possessing two RND components in <i>Pseudomonas aeruginosa</i> . 2009 , 155, 3509-3517	40
535	The <i>Pseudomonas aeruginosa</i> generalized transducing phage phiPA3 is a new member of the phiKZ-like group of 'jumbo' phages, and infects model laboratory strains and clinical isolates from cystic fibrosis patients. 2011 , 157, 859-867	40
534	Transcript profiling of the <i>Pseudomonas aeruginosa</i> genomic islands PAGI-2 and pKLC102. 2008 , 154, 1599-1604	10
533	Identification and characterization of an iron-regulated gene, chtA, required for the utilization of the xenosiderophores aerobactin, rhizobactin 1021 and schizokinen by <i>Pseudomonas aeruginosa</i> . 2006 , 152, 945-954	26
532	Flow environment and matrix structure interact to determine spatial competition in <i>Pseudomonas aeruginosa</i> biofilms.	1

531	Asymmetric adhesion of rod-shaped bacteria controls microcolony morphogenesis.	1
530	Genome-enabled insights into the ecophysiology of the comammox bacterium <i>Candidatus Nitrospira nitrosa</i> .	1
529	Visible Light Plasmon Excitation of Silver Nanoparticles Against Antibiotic-Resistant <i>Pseudomonas aeruginosa</i> .	1
528	An integrated model system to gain mechanistic insights into biofilm formation and antimicrobial resistance development in <i>Pseudomonas aeruginosa</i> MPAO1.	3
527	<i>Pseudomonas aeruginosa</i> isolates co-incubated with <i>Acanthamoeba castellanii</i> exhibit phenotypes similar to chronic cystic fibrosis isolates.	3
526	Plant and Bacterial Metaxin-like Proteins: Novel Proteins Related to Vertebrate Metaxins Involved in Uptake of Nascent Proteins into Mitochondria.	0
525	Fast eco-evolutionary changes in bacterial genomes after anthropogenic perturbation.	1
524	Mechano-bactericidal nanopillars require external forces to effectively kill bacteria.	1
523	Strain background, species frequency and environmental conditions are important in determining population dynamics and species co-existence between <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> .	1
522	Acquisition of ionic copper by a bacterial outer membrane protein.	2
521	Comparative transcriptomics reveals a conserved Bacterial Adaptive Phage Response (BAPR) to viral predation.	11
520	Competition in biofilms between cystic fibrosis isolates of <i>Pseudomonas aeruginosa</i> is shaped by R-pyocins.	1
519	<i>Pseudomonas aeruginosa</i> Can Inhibit Growth of Streptococcal Species via Siderophore Production.	2
518	Characterization of L-serine deaminases, SdaA (PA2448) and SdaB (PA5379), and their potential role in <i>Pseudomonas aeruginosa</i> pathogenesis.	1
517	Gene regulatory network inference and analysis of multidrug-resistant <i>Pseudomonas aeruginosa</i> .	1
516	Type-3 Secretion System Induced pyroptosis protects <i>Pseudomonas</i> against cell-autonomous immunity.	2
515	Therapeutically exploring persister metabolism in bacteria.	1
514	Gene number. What if there are only 30,000 human genes?. 2001, 291, 1255-7	212

513	Genomics of <i>Listeria monocytogenes</i> and Other Members of the Genus <i>Listeria</i> . 125-145	3
512	Quorum Sensing in Biofilms: Gossip in Slime City. 2004 , 118-140	23
511	Bacterial Biofilms on Plants: Relevance and Phenotypic Aspects. 2004 , 141-159	15
510	Phylogeny and Functionality: Taxonomy as a Roadmap to Genes. 288-313	15
509	Antimicrobials. 336-355	34
508	Structure and Function of Prokaryotic and Eukaryotic Cells. 1-32	3
507	PA3225 Is a Transcriptional Repressor of Antibiotic Resistance Mechanisms in <i>Pseudomonas aeruginosa</i> . 2017 , 61,	6
506	Conditional Hfq Association with Small Noncoding RNAs in <i>Pseudomonas aeruginosa</i> Revealed through Comparative UV Cross-Linking Immunoprecipitation Followed by High-Throughput Sequencing. 2019 , 4,	10
505	Genome-wide responses of a pathogenic bacterium to its host. 2002 , 110, 1071-1073	9
504	Protection against <i>P. aeruginosa</i> with an adenovirus vector containing an OprF epitope in the capsid. 2005 , 115, 1281-9	74
503	Enterobacteria secrete an inhibitor of <i>Pseudomonas</i> virulence during clinical bacteriuria. 2017 , 127, 4018-4030	20
502	Molecular diversity of extended-spectrum β -lactamases and carbapenemases, and antimicrobial resistance. 2020 , 8, 13	38
501	Microbial Rhamnolipids. 2011 ,	1
500	Frequency and antibiogram of multi-drug resistant <i>pseudomonas aeruginosa</i> in a Tertiary Care Hospital of Pakistan. 2019 , 35, 1622-1626	5
499	Advances in understanding <i>Pseudomonas</i> . 2014 , 6, 9	35
498	From gene trees to organismal phylogeny in prokaryotes: the case of the gamma-Proteobacteria. 2003 , 1, E19	355
497	Strict host-symbiont cospeciation and reductive genome evolution in insect gut bacteria. 2006 , 4, e337	272
496	Substrate specificity within a family of outer membrane carboxylate channels. 2012 , 10, e1001242	92

495	Structural and Molecular Mechanism of CdpR Involved in Quorum-Sensing and Bacterial Virulence in <i>Pseudomonas aeruginosa</i> . 2016 , 14, e1002449	33
494	Cationic Peptides Facilitate Iron-induced Mutagenesis in Bacteria. 2015 , 11, e1005546	17
493	Regional Control of Chromosome Segregation in <i>Pseudomonas aeruginosa</i> . 2016 , 12, e1006428	26
492	Alveolar epithelial type II cells activate alveolar macrophages and mitigate <i>P. Aeruginosa</i> infection. 2009 , 4, e4891	64
491	Non mycobacterial virulence genes in the genome of the emerging pathogen <i>Mycobacterium abscessus</i> . 2009 , 4, e5660	241
490	<i>Pseudomonas aeruginosa</i> exploits lipid A and muropeptides modification as a strategy to lower innate immunity during cystic fibrosis lung infection. 2009 , 4, e8439	93
489	The <i>Pseudomonas aeruginosa</i> chemotaxis methyltransferase CheR1 impacts on bacterial surface sampling. 2011 , 6, e18184	49
488	Alanine racemase mutants of <i>Burkholderia pseudomallei</i> and <i>Burkholderia mallei</i> and use of alanine racemase as a non-antibiotic-based selectable marker. 2011 , 6, e21523	11
487	Neutrophil extracellular trap (NET)-mediated killing of <i>Pseudomonas aeruginosa</i> : evidence of acquired resistance within the CF airway, independent of CFTR. 2011 , 6, e23637	157
486	In-vivo expression profiling of <i>Pseudomonas aeruginosa</i> infections reveals niche-specific and strain-independent transcriptional programs. 2011 , 6, e24235	41
485	Population structure of <i>Pseudomonas aeruginosa</i> from five Mediterranean countries: evidence for frequent recombination and epidemic occurrence of CC235. 2011 , 6, e25617	99
484	A novel metagenomic short-chain dehydrogenase/reductase attenuates <i>Pseudomonas aeruginosa</i> biofilm formation and virulence on <i>Caenorhabditis elegans</i> . 2011 , 6, e26278	84
483	The <i>Pseudomonas aeruginosa</i> reference strain PA14 displays increased virulence due to a mutation in <i>ladS</i> . 2011 , 6, e29113	88
482	Absence of membrane phosphatidylcholine does not affect virulence and stress tolerance phenotypes in the opportunistic pathogen <i>Pseudomonas aeruginosa</i> . 2012 , 7, e30829	13
481	The regulatory repertoire of <i>Pseudomonas aeruginosa</i> AmpC β -lactamase regulator AmpR includes virulence genes. 2012 , 7, e34067	82
480	A systems biology approach to drug targets in <i>Pseudomonas aeruginosa</i> biofilm. 2012 , 7, e34337	28
479	Variable copy number, intra-genomic heterogeneities and lateral transfers of the 16S rRNA gene in <i>Pseudomonas</i> . 2012 , 7, e35647	35
478	Comparative profiling of <i>Pseudomonas aeruginosa</i> strains reveals differential expression of novel unique and conserved small RNAs. 2012 , 7, e36553	41

477	The transcriptional regulator CzcR modulates antibiotic resistance and quorum sensing in <i>Pseudomonas aeruginosa</i> . 2012 , 7, e38148	68
476	An orphan chemotaxis sensor regulates virulence and antibiotic tolerance in the human pathogen <i>Pseudomonas aeruginosa</i> . 2012 , 7, e42205	29
475	A non-classical LysR-type transcriptional regulator PA2206 is required for an effective oxidative stress response in <i>Pseudomonas aeruginosa</i> . 2013 , 8, e54479	27
474	PathogenFinder--distinguishing friend from foe using bacterial whole genome sequence data. 2013 , 8, e77302	178
473	A novel role for an ECF sigma factor in fatty acid biosynthesis and membrane fluidity in <i>Pseudomonas aeruginosa</i> . 2013 , 8, e84775	18
472	Genomic evolution of 11 type strains within family Planctomycetaceae. 2014 , 9, e86752	13
471	Diversity of virulence phenotypes among type III secretion negative <i>Pseudomonas aeruginosa</i> clinical isolates. 2014 , 9, e86829	18
470	Comparative genomics of isolates of a <i>Pseudomonas aeruginosa</i> epidemic strain associated with chronic lung infections of cystic fibrosis patients. 2014 , 9, e87611	69
469	Inactivation of the antibacterial and cytotoxic properties of silver ions by biologically relevant compounds. 2014 , 9, e94409	54
468	Genome analysis of environmental and clinical <i>P. aeruginosa</i> isolates from sequence type-1146. 2014 , 9, e107754	9
467	High-throughput screening of dipeptide utilization mediated by the ABC transporter DppBCDF and its substrate-binding proteins DppA1-A5 in <i>Pseudomonas aeruginosa</i> . 2014 , 9, e111311	28
466	Modification of the susceptibility of gram-negative rods producing ESIS to β -lactams by the efflux phenomenon. 2015 , 10, e0119997	18
465	Function of the <i>Pseudomonas aeruginosa</i> NrdR Transcription Factor: Global Transcriptomic Analysis and Its Role on Ribonucleotide Reductase Gene Expression. 2015 , 10, e0123571	14
464	Structural and Biochemical Analysis of Tyrosine Phosphatase Related to Biofilm Formation A (TpbA) from the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> PAO1. 2015 , 10, e0124330	9
463	What It Takes to Be a <i>Pseudomonas aeruginosa</i> ? The Core Genome of the Opportunistic Pathogen Updated. 2015 , 10, e0126468	63
462	Genetically and Phenotypically Distinct <i>Pseudomonas aeruginosa</i> Cystic Fibrosis Isolates Share a Core Proteomic Signature. 2015 , 10, e0138527	20
461	A Site-Specific Integrative Plasmid Found in <i>Pseudomonas aeruginosa</i> Clinical Isolate HS87 along with A Plasmid Carrying an Aminoglycoside-Resistant Gene. 2016 , 11, e0148367	6
460	Within-Host Evolution of the Dutch High-Prevalent <i>Pseudomonas aeruginosa</i> Clone ST406 during Chronic Colonization of a Patient with Cystic Fibrosis. 2016 , 11, e0158106	17

459	Two Inducible Prophages of an Antarctic <i>Pseudomonas</i> sp. ANT_H14 Use the Same Capsid for Packaging Their Genomes - Characterization of a Novel Phage Helper-Satellite System. 2016 , 11, e0158889	8
458	Impact of Soil Salinity on the Structure of the Bacterial Endophytic Community Identified from the Roots of Caliph Medic (<i>Medicago truncatula</i>). 2016 , 11, e0159007	62
457	The Systematic Investigation of the Quorum Sensing System of the Biocontrol Strain <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> PB-St2 Unveils aurl to Be a Biosynthetic Origin for 3-Oxo-Homoserine Lactones. 2016 , 11, e0167002	14
456	Structure-Function Analysis of the Transmembrane Protein AmpG from <i>Pseudomonas aeruginosa</i> . 2016 , 11, e0168060	6
455	The FinR-regulated essential gene <i>fprA</i> , encoding ferredoxin NADP+ reductase: Roles in superoxide-mediated stress protection and virulence of <i>Pseudomonas aeruginosa</i> . 2017 , 12, e0172071	12
454	Regulation of acetyl-CoA synthetase transcription by the CrbS/R two-component system is conserved in genetically diverse environmental pathogens. 2017 , 12, e0177825	12
453	Specific expression and function of the A-type cytochrome c oxidase under starvation conditions in <i>Pseudomonas aeruginosa</i> . 2017 , 12, e0177957	12
452	Increased ParB level affects expression of stress response, adaptation and virulence operons and potentiates repression of promoters adjacent to the high affinity binding sites <i>parS3</i> and <i>parS4</i> in <i>Pseudomonas aeruginosa</i> . 2017 , 12, e0181726	10
451	The role of core and accessory type IV pilus genes in natural transformation and twitching motility in the bacterium <i>Acinetobacter baylyi</i> . 2017 , 12, e0182139	26
450	Xenon for tunnelling analysis of the efflux pump component <i>OprN</i> . 2017 , 12, e0184045	3
449	Paper-based sensors for rapid detection of virulence factor produced by <i>Pseudomonas aeruginosa</i> . 2018 , 13, e0194157	32
448	Potential role of chitinases and chitin-binding proteins in host-microbial interactions during the development of intestinal inflammation. 2011 , 26, 1453-64	53
447	<i>Pseudomonas aeruginosa</i> survives in epithelia by ExoS-mediated inhibition of autophagy and mTOR. 2021 , 22, e50613	5
446	The Virulence of Pigmented and Non-Pigmented <i>Pseudomonas Aeruginosa</i> in Mice with Antibiotics Susceptibility. 2016 , 3,	1
445	ANTIBACTERIAL ACTIVITY OF ZINC OXIDE NANOPARTICLES SYNTHESIZED BY SOLOCHEMICAL PROCESS. 2019 , 36, 885-893	40
444	Effect of Caffeic Acid and Low-Power Laser Light Co-Exposure on Viability of <i>Pseudomonas aeruginosa</i> . 2015 , 2,	1
443	ANTIBACTERIAL EFFECT OF NATURAL OILS (AN OPPORTUNITY TO SOLVE THE PROBLEM OF ANTIBIOTIC RESISTANCE ON THE EXAMPLE OF PSEUDOMONAS SPP.. 2019 , 58, 177-190	3
442	Anti-Virulence Strategy against the Multidrug-Resistant Bacterial Pathogen <i>Pseudomonas aeruginosa</i> : Pseudolysin (Elastase B) as a Potential Druggable Target. 2019 , 20, 471-487	8

441	Identification and Characterization of Bacterial Chemoreceptors Using Quantitative Capillary and Gradient Plate Chemotaxis Assays. 2016 , 6,	8
440	Molecular cloning and transcriptional analysis of the alkyl hydroperoxide reductase genes from <i>Pseudomonas putida</i> KT2442. 2001 , 47, 269-277	9
439	Functional role of bacteriophage transfer RNAs: codon usage analysis of genomic sequences stored in the GENBANK/EMBL/DDBJ databases. 2002 , 1, 216-228	2
438	Characterization of a New Mixture of Mono-Rhamnolipids Produced by Isolated from Edmonson Point (Antarctica). 2020 , 18,	11
437	Respiratory tract infections in cystic fibrosis. 2002 , 31, 116-23	1
436	Molecular and Enzymatic Features of Homoserine Dehydrogenase from. 2020 , 30, 1905-1911	3
435	Distribution of the Strains of Multidrug-resistant, Extensively Drug-resistant, and Pandrug-resistant Isolates from Burn Patients. 2017 , 6, 74	21
434	Phylogenetic Analysis of Culturable Arctic Bacteria. 2004 , 26, 51-58	6
433	Favorable and unfavorable amino acid residues in water-soluble and transmembrane proteins. 2013 , 06, 36-44	4
432	Overview of Multidrug-Resistant <i>Pseudomonas aeruginosa</i> ; and Novel Therapeutic Approaches. 2012 , 03, 519-527	24
431	Antimicrobial activity of resveratrol and grape pomace extract. 2019 , 13, 363-368	3
430	The Prevalence of Exoenzyme S Gene in Multidrug-Sensitive and Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Clinical Strains. 2017 , 66, 427-431	3
429	The Effect of Magnetic Fe ₃ O ₄ Nanoparticles on the Growth of Genetically Manipulated Bacterium, <i>Pseudomonas aeruginosa</i> (PTSOX4). 2013 , 11, 41-6	25
428	Kin cell lysis is a danger signal that activates antibacterial pathways of <i>Pseudomonas aeruginosa</i> . 2015 , 4,	76
427	Structural elucidation of a novel mechanism for the bacteriophage-based inhibition of the RNA degradosome. 2016 , 5,	35
426	Flow environment and matrix structure interact to determine spatial competition in biofilms. 2017 , 6,	47
425	Privatisation rescues function following loss of cooperation. 2018 , 7,	17
424	Ecthyma gangrenosum as a serious complication of infection in departments of paediatric oncology. 2021 , 38, 537-543	

- 423 Predicting drug targets by homology modelling of *Pseudomonas aeruginosa* proteins of unknown function. **2021**, 16, e0258385
- 422 *Pseudomonas aeruginosa* Biofilm Formation and Its Control. **2021**, 1, 312-336 4
- 421 The horizontal transfer of *Pseudomonas aeruginosa* PA14 ICE PAPI-1 is controlled by a transcriptional triad between TprA, NdpA2 and MvaT. **2021**, 49, 10956-10974 0
- 420 Another bacterium gives up its genetic secrets. *Nature*, 50.4
- 419 Biochemical Genetics. **2001**, 1473-1527
- 418 Structural evolution of Flavodoxin reductase in *Escherichia coli*. **2002**, 2, 137-146
- 417 Pathogenicity Islands and PAI-Like Structures in *Pseudomonas* Species. **2002**, 201-211
- 416 Proficient Target Selection in Structural Genomics by In Vitro Protein Expression on Gateway Recombination Plasmids. **2002**, 197-202 2
- 415 Near-Field Scanning Optical Images of Bacteria. **2002**,
- 414 Pathogenicity Islands and PAI-Like Structures in *Pseudomonas* Species. **2002**, 201-211 1
- 413 Exemplar Abstract for *Pseudomonas aeruginosa* (Schroeter 1872) Migula 1900 (Approved Lists 1980).. **2010**,
- 412 Surrogate Ligand-Based Assay Systems for Discovery of Antibacterial Agents for Genomic Targets. **2003**, 173-185
- 411 Transposition and Other Mutational Processes in *Pseudomonas*. **2004**, 261-316 1
- 410 Protein Expression Library Resources for Proteome Studies. **2004**, 287-304 2
- 409 The Genome of *Pseudomonas syringae* Tomato DC3000 and Functional Genomic Studies to Better Understand Plant Pathogenesis. **2004**, 113-138 2
- 408 Genome Signature Comparisons of the Proteobacteria. **2004**, 195-206
- 407 *Pseudomonas Aeruginosa*.
- 406 Genetic Algorithms for Biological Systems. **2005**, 251-256

- 405 Modulation of Bacterial Lifestyles via Two-Component Regulatory Networks. **2007**, 311-340
- 404 Type III Secretory Proteins in *Pseudomonas aeruginosa*. **2007**, 3-22
- 403 Glycosylation Islands of *Pseudomonas* Species. **2007**, 31-56
- 402 Real Time PCR Assay for Polyphosphate Kinase Genes in Activated Sludge. **2007**, 1, 229-236
- 401 *Pseudomonas aeruginosa*: An Understanding of Resistance Issues. **2007**, 149-168 ○
- 400 Genetic Basis of Acute Lung Injury. **2008**, 207-215
- 399 Genome Organization, Mutation, and Gene Expression in *Acinetobacter*. **2008**, 47-60
- 398 Protein Production in *Pseudomonas fluorescens*. 45
- 397 Development of a Novel Hydrogel to Prevent Bacterial Infectious Diseases. **2009**, 155-162 5
- 396 Natural Intelligence and Cellular Complexity. **2011**, 345-348
- 395 Regulation of lectin production by the human pathogens *Pseudomonas aeruginosa* and *Chromobacterium violaceum*: effects of choline, trehalose, and ethanol. **2011**, 705, 229-56
- 394 Antimicrobial Resistance in Biofilms: A Sticky Situation. 1
- 393 Mapping Short Reads to a Genomic Sequence with Circular Structure. **2012**, 1, 26-34
- 392 Imelysin. **2013**, 1683-1688 ○
- 391 Construction of a *Pseudomonas aeruginosa* genomic DNA library. **2014**, 1149, 555-63
- 390 Drug susceptibility testing by dilution methods. **2014**, 1149, 49-58 ○
- 389 Modeling Microbial Virulence in a Genomic Era: Impact of Shared Genomic Tools and Data Sets. 213-231
- 388 Bacterial Human Pathogen Genomes: an Overview. 35-62 ○

- 387 Evolution of *Listeria monocytogenes*. 489-499
- 386 Analysis of Genome-scale Expression Network in Four Major Bacterial Residents of Cystic Fibrosis Lung. **2014**, 15, 408-18 1
- 385 Relation between Insertion Sequences and Genome Rearrangements in *Pseudomonas aeruginosa*. **2015**, 426-437
- 384 Antimicrobial Potential of *Momordica charantia* L. against Multiresistant Standard Species and Clinical Isolates. **2015**, 16, 854-8 2
- 383 Novel Activators of the MexEF-OprN Multidrug Efflux System in *Pseudomonas aeruginosa* 8380. **2016**, 52, 55-63
- 382 Cell Envelope: Molecular Architecture and Function. **2016**, 25-80
- 381 Identification and Molecular Characterization of Superoxide Dismutase Genes in *Pseudomonas rhodesiae* KK1 Capable of Polycyclic Aromatic Hydrocarbon Degradation. **2016**, 26, 75-82
- 380 Biochemical Leaning of Phosphoglucose Isomerase is More Towards Gluconeogenesis in *Pseudomonas aeruginosa* PAO1. **2016**, 11, 118-126
- 379 Regulation of the Expression of Type III Secretion Systems: an Example from *Pseudomonas aeruginosa*. 315-334
- 378 The social evolution of siderophore production in *Pseudomonas aeruginosa* is environmentally determined.
- 377 Increased ParB level affects expression of stress response, adaptation and virulence operons and potentiates repression of promoters adjacent to the high affinity binding sites parS3 and parS4 in *Pseudomonas aeruginosa*.
- 376 Rapid diversification of *Pseudomonas aeruginosa* in cystic fibrosis lung-like conditions.
- 375 Host adaptation mediated by intergenic evolution in a bacterial pathogen. 0
- 374 Light assisted antibiotics.
- 373 Blue light enhances the antimicrobial activity of honey against *Pseudomonas aeruginosa*. **2018**,
- 372 *Pseudomonas aeruginosa* partitioning protein ParB acts as a nucleoid-associated protein binding to multiple copies of a parS-related motif.
- 371 Whole genome sequencing reveals the emergence of a *Pseudomonas aeruginosa* shared strain sub-lineage among patients treated within a single cystic fibrosis centre. 1
- 370 Identification of a novel subfamily of bacterial AAT-fold basic amino acid decarboxylases and functional characterization of its first representative: *Pseudomonas aeruginosa* LdCA.

- 369 Privatisation rescues function following loss of cooperation. 1
- 368 The multidrug resistance efflux pump MexCD-OprJ is a switcher of the *Pseudomonas aeruginosa* quorum sensing response. 1
- 367 *Pseudomonas aeruginosa* displays a dormancy phenotype during long-term survival in water. 1
- 366 Genomic inversion drives small colony variant formation and increased virulence in *P. aeruginosa*.
- 365 Efficient transposon mutagenesis mediated by an IPTG-controlled conditional suicide plasmid.
- 364 Genome sequence of *Pseudomonas aeruginosa* PAO1161, a PAO1 derivative with the ICEFP2 integrative and conjugative element. 1
- 363 Free-Living PGPRs in Biotic Stress Management. **2019**, 275-324 1
- 362 [Molecular biological studies toward controlling infectious diseases caused by multidrug-resistant *Pseudomonas aeruginosa*]. **2019**, 74, 177-189
- 361 CRISPR-Cas Immune System of a Prevalent Human Gut Bacterium Reveals Hypertargeting Against Gut Virome Phages.
- 360 New Therapeutic Strategies to Counter PA. **2019**, 09, 13-27
- 359 Chemical-Mediated Alteration of Antibiotics. **2019**, 105-126 0
- 358 Microbial Genomics in Carbon Management and Energy Production. **2019**, 161-173 1
- 357 In silico Analysis of L-Glutaminase from Extremophiles. **2019**, 16, 210-221
- 356 Impacts of Vending Practices on the Microbiological Quality of Bread in the Ojoo Area of Ibadan, Oyo-State, Nigeria. **2019**, 15, 31-39
- 355 Seawater salt-trapped *Pseudomonas aeruginosa* survives for years and gets primed for salinity tolerance.
- 354 Ranking of Major Classes of Antibiotics for Activity against Stationary Phase *Pseudomonas aeruginosa* and Identification of Clinafloxacin + Cefuroxime + Gentamicin Drug Combination that Eradicates Persistent *P. aeruginosa* Infection in a Murine Cystic Fibrosis Model. 0
- 353 Diagnostic optical sequencing.
- 352 Non-hierarchical, RhlR-regulated acyl-homoserine lactone quorum sensing in a cystic fibrosis isolate of *Pseudomonas aeruginosa*.

- 351 *Pseudomonas aeruginosa* lasR mutant fitness in microoxia is supported by an Anr-regulated oxygen-binding hemerythrin. 0
- 350 Phenotypic differences in reversible attachment behavior reveal distinct *P. aeruginosa* surface colonization strategies.
- 349 Contextual flexibility in *Pseudomonas aeruginosa* central carbon metabolism during growth in single carbon sources.
- 348 *Pseudomonas aeruginosa* core metabolism exerts a widespread growth-independent control on virulence.
- 347 A minimal CRISPR-Cas3 system for genome engineering. 1
- 346 The *Pseudomonas aeruginosa* lectin LecB causes integrin internalization to facilitate crawling of bacteria underneath host cells.
- 345 The small RNA ErsA plays a role in the regulatory network of *Pseudomonas aeruginosa* pathogenicity in airways infection.
- 344 A Comparative Review on Current and Future Drug Targets Against Bacteria & Malaria. **2020**, 21, 736-775
- 343 Heterogenous susceptibility to R-pyocins in populations of *Pseudomonas aeruginosa* sourced from cystic fibrosis lungs. 2
- 342 Rapid evolution drives the rise and fall of carbapenem resistance during an acute *Pseudomonas aeruginosa* infection.
- 341 Structural insights into the histidine-containing phospho-transfer protein and receiver domain of sensor histidine kinase suggest a complex model in the two-component regulatory system in. **2020**, 7, 934-948 0
- 340 Rational Design of an Antimicrobial Peptide Based on Structural Insight into the Interaction of Initiation Factor 1 with Its Cognate 30S Ribosomal Subunit. **2021**, 7, 3161-3167
- 339 Combined Effect of Zinc Oxide Nanoparticles and Low Electric Field in Growth Suppression of Some Free-Living Pathogens. **2021**, 17, 0
- 338 Whole-genome sequence-guided PCR for the rapid identification of the *Pseudomonas aeruginosa* ST175 high-risk clone directly from clinical samples. **2021**, 76, 945-949 1
- 337 NirA is an alternative nitrite reductase from *Pseudomonas aeruginosa* with potential as an anti-virulence target.
- 336 *Pseudomonas aeruginosa*-Associated Acute and Chronic Pulmonary Infections.
- 335 Diallyl sulfide from garlic suppresses quorum-sensing systems of *Pseudomonas aeruginosa* and enhances biosynthesis of three B vitamins through its thioether group. **2021**, 14, 677-691 6
- 334 Molecular characterization of polymorphisms among strains isolated from burn patients' wounds. **2020**, 6, e05041 0

- 333 A Robust Genome-Wide Association Study Uncovers Signature Genetic Alterations among *Pseudomonas aeruginosa* Cystic Fibrosis Isolates.
- 332 Carbapenem-Resistant Strains-Distribution of the Essential Enzymatic Virulence Factors Genes. **2020**, 10, 4
- 331 A Grad-seq view of RNA and protein complexes in *Pseudomonas aeruginosa* under standard and bacteriophage predation conditions.
- 330 PYOCYANIN: PROCESS OPTIMIZATION AND EVALUATION OF ITS ANTIMICROBIAL ACTIVITY. **2019**, 7, 494-504
- 329 Antibacterial activity of phytopathogenic *Streptomyces* strains against bacteria associated to clinical diseases. 87, 0
- 328 ROLE OF TWO-COMPONENT SIGNAL TRANSDUCTION SYSTEMS IN ANTIMICROBIAL RESISTANCE OF GRAM-NEGATIVE PATHOGENS. **2020**, 59, 259-276
- 327 *Pseudomonas aeruginosa* cytochrome P450 CYP168A1 is a fatty acid hydroxylase that metabolizes arachidonic acid to the vasodilator 19-HETE. 1
- 326 Structure of *Pseudomonas aeruginosa* spermidine dehydrogenase: a polyamine oxidase with a novel heme-binding fold. **2021**, 0
- 325 Omnipose: a high-precision morphology-independent solution for bacterial cell segmentation. 0
- 324 Transcription inhibitors with XRE DNA-binding and cupin signal-sensing domains drive metabolic diversification in *Pseudomonas*. 1
- 323 Genome of *Buchnera* sp. Aps, an Intracellular Symbiotic Bacterium of the Pea Aphid *Acyrtosiphon Pisum*. **2001**, 663-674
- 322 The *Pseudomonas* Genome Database. **2006**, 341-361
- 321 A Genome-Wide Mutant Library of *Pseudomonas aeruginosa*. **2006**, 121-138 1
- 320 Large-Scale Topological Properties of Molecular Networks. **2006**, 25-39
- 319 STRUCTURE AND COMMUNICATION IN COMPLEX NETWORKS. **2006**, 1-28
- 318 *Legionella pneumophila* Pathogenesis: Lessons Learned from Genomics. **2008**, 1-31 1
- 317 Combining Genomic Tools to Dissect Multifactorial Virulence in *Pseudomonas aeruginosa*. **2008**, 127-150
- 316 Genome-wide responses of a pathogenic bacterium to its host. **2002**, 110, 1071-3 2

- 315 Protein-histidine kinase. **2007**, 432-474
- 314 An Interactive Map of Regulatory Networks of *Pseudomonas aeruginosa* Genome. **2005**, 1-10
- 313 Genome diversity and quorum sensing variations in laboratory strains of *Pseudomonas aeruginosa* PAO1.
- 312 Trehalose and β -glucan mediate distinct abiotic stress responses in *Pseudomonas aeruginosa*.
- 311 Alternating Dynamics of , SMC, and MksBEF in Segregation of *Pseudomonas aeruginosa* Chromosome. **2020**, 5, 1
- 310 CRISPR-Cas systems restrict horizontal gene transfer in *Pseudomonas aeruginosa*.
- 309 An interbacterial DNA deaminase toxin directly mutagenizes surviving target populations.
- 308 A wide-ranging *Pseudomonas aeruginosa* PeptideAtlas build: a useful proteomic resource for a versatile pathogen.
- 307 The hypothetical periplasmic protein PA1624 from *Pseudomonas aeruginosa* folds into a unique two-domain structure. **2020**, 76, 609-615 1
- 306 Sequencing of the *Pseudomonas aeruginosa* and *Burkholderia cepacia* genomes and their applications in relation to cystic fibrosis. **2003**, 96 Suppl 43, 57-65 1
- 305 Recent advances in cross-infection in cystic fibrosis: *Burkholderia cepacia* complex, *Pseudomonas aeruginosa*, MRSA and *Pandora* spp. **2003**, 96 Suppl 43, 66-72 5
- 304 A Comparative Study of Metabolic Network Topology between a Pathogenic and a Non-Pathogenic Bacterium for Potential Drug Target Identification. **2009**, 2009, 100-4 5
- 303 Cloning and Characterisation of (R)-3-hydroxyacyl-acyl Carrier Protein-coenzyme A Transferase Gene (phaG) from *Pseudomonas* sp. USM 4-55. **2009**, 20, 1-14 1
- 302 Evaluation of adhesive and anti-adhesive properties of *Pseudomonas aeruginosa* biofilms and their inhibition by herbal plants. **2016**, 8, 108-19 8
- 301 Comparison of the effects of versus imipenem on infected burn wound healing. **2020**, 34, 94 1
- 300 Assessment of hygienic conditions of recreational facility restrooms: an integrated approach. **2021**, 62, E48-E53
- 299 Direct RNA nanopore sequencing of clone C transcriptomes. **2021**, JB0041821 1
- 298 Participation of Acyl-Coenzyme A Synthetase FadD4 of PAO1 in Acyclic Terpene/Fatty Acid Assimilation and Virulence by Lipid A Modification. **2021**, 12, 785112 0

297	Siderophores drive invasion dynamics in bacterial communities through their dual role as public good versus public bad. 2022 , 25, 138-150	2
296	Genomic and Metabolic Characteristics of the Pathogenicity in. 2021 , 22,	3
295	Acquisition of ionic copper by the bacterial outer membrane protein OprC through a novel binding site. 2021 , 19, e3001446	3
294	Roles of Two-Component Systems in Virulence. 2021 , 22,	2
293	Metabolomics of <i>Pseudomonas aeruginosa</i> Treated by Atmospheric-Pressure Cold Plasma. 2021 , 11, 10527	1
292	The Diversity and Nitrogen Metabolism of Culturable Nitrate-Utilizing Bacteria Within the Oxygen Minimum Zone of the Changjiang (Yangtze River) Estuary. 2021 , 8,	0
291	reComBat: Batch effect removal in large-scale, multi-source omics data integration.	
290	Sodium Selenite Enhances Antibiotics Sensitivity of and Decreases Its Pathogenicity by Inducing Oxidative Stress and Inhibiting Quorum Sensing System.. 2021 , 10,	0
289	A New ICE Subfamily Integrative and Conjugative Element Responsible for Horizontal Transfer of Biphenyl and Salicylic Acid Catabolic Pathway in the PCB-Degrading Strain KF716.. 2021 , 9,	1
288	Antimicrobial Resistance and Genomic Characterization of Six New Sequence Types in Multidrug-Resistant Clinical Isolates from Pakistan. 2021 , 10,	1
287	Antibacterial Activity of Inverse Vulcanized Polymers. 2021 ,	2
286	Impact of Insertion Sequences and RNAs on Genomic Inversions in <i>Pseudomonas aeruginosa</i> . 2021 ,	
285	The <i>Pseudomonas aeruginosa</i> whole genome sequence: A 20th anniversary celebration. 2021 , 79, 25-88	1
284	Antibiotic resistance genes and antibiotic sensitivity in bacterial aerosols and their comparisons with known respiratory pathogens. 2022 , 161, 105931	3
283	A comparative microbiological study of polyglycolic acid and silk sutures in oral surgical procedures. 2021 ,	
282	Isolation and Characterization of Antimicrobial Peptides Isolated from <i>Fagonia bruguieri</i> .. 2022 , 1	1
281	Genome-wide analysis reveals a rhamnolipid-dependent modulation of flagellar genes in <i>Pseudomonas aeruginosa</i> PAO1.. 2022 , 68, 289	
280	<i>Pseudomonas aeruginosa</i> efflux pump superfamily (review of literature).. 2022 , 67, 53-58	

279	Past, present and future of the boundaries of the <i>Pseudomonas</i> genus: Proposal of <i>Stutzerimonas</i> gen. Nov.. 2021 , 45, 126289	6
278	<i>Pseudomonas aeruginosa</i> : Pathogenic Adapter Bacteria. 2022 , 113-135	1
277	An imidazolium-based zwitterionic polymer for antiviral and antibacterial dual functional coatings.. 2022 , 8, eabl8812	6
276	Poly (acetyl, arginyl) glucosamine disrupts biofilms and enhances bacterial clearance in a rat lung infection model.. 2022 , 168,	1
275	Computationally efficient assembly of a <i>Pseudomonas aeruginosa</i> gene expression compendium.	1
274	Adaptation to an amoeba host leads to isolates with attenuated virulence.. 2022 , aem0232221	0
273	<i>Pseudomonas aeruginosa</i> cytochrome P450 CYP168A1 is a fatty acid hydroxylase that metabolizes arachidonic acid to the vasodilator 19-HETE.. 2022 , 101629	2
272	Glycolysis/gluconeogenesis specialization in microbes is driven by biochemical constraints of flux sensing.. 2022 , 18, e10704	1
271	Spontaneous quorum-sensing hierarchy reprogramming in <i>Pseudomonas aeruginosa</i> laboratory strain PAO1.. 2022 , 12, 6	0
270	Critical shear stresses of <i>Pseudomonas aeruginosa</i> biofilms from dental unit waterlines studied using microfluidics and additional magnesium ions. 2022 , 34, 021902	1
269	The <i>Pseudomonas aeruginosa</i> homeostasis enzyme AlgL clears the periplasmic space of accumulated alginate during polymer biosynthesis.. 2022 , 101560	1
268	Rapid development of a subunit nano-vaccine against drug-resistant <i>Pseudomonas aeruginosa</i> with effective cross-protection. 2022 , 43, 101398	0
267	Prokaryote pangenomes are dynamic entities.. 2022 , 66, 73-78	2
266	Early and direct detection of bacterial signaling molecules through one-pot Au electrodeposition onto paper-based 3D SERS substrates. 2022 , 358, 131504	2
265	Biosynthesis of Zinc Oxide (ZnO) Using the Biomass of 'Aspergillus niger' to Impart Cotton Fabric with Antimicrobial Properties. 2022 , 7,	1
264	Non-Canonical Host Intracellular Niche Links to New Antimicrobial Resistance Mechanism.. 2022 , 11,	0
263	Beta adrenergic receptor antagonist can modify <i>Pseudomonas aeruginosa</i> biofilm formation in vitro: Implications for chronic wounds.. 2022 , 36, e22057	
262	A D-2-hydroxyglutarate biosensor based on specific transcriptional regulator DhdR. 2021 , 12, 7108	1

261	The ColR/S two-component system is a conserved determinant of host association across <i>Pseudomonas</i> species.	1
260	Discovery of coordinately regulated pathways that provide innate protection against interbacterial antagonism.. 2022 , 11,	1
259	Macrolide therapy in <i>Pseudomonas aeruginosa</i> infections causes uL4 ribosomal protein mutations leading to high-level resistance.	0
258	Metabolic reprogramming of <i>Pseudomonas aeruginosa</i> by phage-based quorum sensing modulation.. 2022 , 38, 110372	3
257	Microbiota analysis and microbiological hazard assessment in Chinese chive (Rottler) depending on retail types.. 2021 , 32,	1
256	Evolution of the Quorum Sensing Regulon in Cooperating Populations of <i>Pseudomonas aeruginosa</i> .. 2022 , 13, e0016122	2
255	Impact of Peptidoglycan Recycling Blockade and Expression of Horizontally Acquired β -Lactamases on <i>Pseudomonas aeruginosa</i> Virulence.. 2022 , e0201921	1
254	Pathogenesis of the Biofilm: A Review.. 2022 , 11,	4
253	Machine learning from <i>Pseudomonas aeruginosa</i> transcriptomes identifies independently modulated sets of genes associated with known transcriptional regulators.. 2022 ,	3
252	The core and accessory Hfq interactomes across <i>Pseudomonas aeruginosa</i> lineages.. 2022 , 13, 1258	2
251	NMR Metabolomics Reveal Urine Markers of Microbiome Diversity and Identify Benzoate Metabolism as a Mediator between High Microbial Alpha Diversity and Metabolic Health.. 2022 , 12,	2
250	Search for a Shared Genetic or Biochemical Basis for Biofilm Tolerance to Antibiotics across Bacterial Species.. 2022 , e0002122	0
249	Targeting the Virulence Factor Phospholipase C With Engineered Liposomes.. 2022 , 13, 867449	
248	Genomic heterogeneity underlies multidrug resistance in <i>Pseudomonas aeruginosa</i> : A population-level analysis beyond susceptibility testing.. 2022 , 17, e0265129	0
247	Genetic Diversity, Distribution, and Genomic Characterization of Antibiotic Resistance and Virulence of Clinical Strains in Kenya.. 2022 , 13, 835403	1
246	Co-Operative Biofilm Interactions between and through Secreted Galactosaminogalactan Exopolysaccharide.. 2022 , 8,	0
245	Searching for antimicrobial photosensitizers among a panel of BODIPYs.. 2022 , 1	3
244	Fermentation products of the fungus <i>Monascus</i> spp. impairs the physiological activities of toxin-producing <i>Vibrio cholerae</i> .. 2022 , 258, 126995	

243	Biocorrosion of copper by nitrate reducing <i>Pseudomonas aeruginosa</i> with varied headspace volume. 2022 , 171, 105405	0
242	Bacteria-Targeting Photodynamic Nanoassemblies for Efficient Treatment of Multidrug-Resistant Biofilm Infected Keratitis. 2022 , 32, 2111066	5
241	The Effects of Sub-inhibitory Antibiotic Concentrations on : Reduced Susceptibility Due to Mutations.. 2021 , 12, 789550	3
240	The methylation-independent mismatch repair machinery in. 2021 , 167,	0
239	Phylogenetic Analysis with Prediction of Cofactor or Ligand Binding for <i>Pseudomonas aeruginosa</i> PAS and Cache Domains.. 2021 , 9, e0102621	0
238	Antimicrobial activity of leaf oleoresin. 2021 , 1-7	1
237	Crystal Structure of an SSB Protein from and Its Inhibition by Flavanonol Taxifolin.. 2022 , 23,	0
236	Synergy Between Filtrates And Voriconazole Against Biofilm Is Less for Mucoïd Isolates From Persons With Cystic Fibrosis.. 2022 , 12, 817315	
235	Compendium-wide analysis of <i>P. aeruginosa</i> core and accessory genes reveal more nuanced transcriptional patterns.	1
234	Spermidine Is an Intercellular Signal Modulating T3SS Expression in <i>Pseudomonas aeruginosa</i> .. 2022 , e0064422	1
233	Class C β -Lactamases: Molecular Characteristics.. 2022 , e0015021	2
232	Microevolution of the and Reinforces the Bias of Quorum Sensing System in Laboratory Strains of PAO1.. 2022 , 13, 821895	1
231	cGAS modulates cytokine secretion and bacterial burdens by altering the release of mitochondrial DNA in <i>Pseudomonas</i> pulmonary infection.. 2022 ,	0
230	Table_1.docx. 2020 ,	
229	Image_1.TIF. 2018 ,	
228	Image_2.TIF. 2018 ,	
227	DataSheet1.pdf. 2018 ,	
226	DataSheet2.xlsx. 2018 ,	

225 DataSheet3.xlsx. 2018,

224 Data_Sheet_1.PDF. 2019,

223 Data_Sheet_2.PDF. 2019,

222 Data_Sheet_3.PDF. 2019,

221 Table_1.DOCX. 2019,

220 Table_2.XLSX. 2019,

219 Table_3.DOCX. 2019,

218 Table_4.DOCX. 2019,

217 Table_5.XLSX. 2019,

216 Table_6.DOCX. 2019,

215 Table_7.DOCX. 2019,

214 Table_8.DOCX. 2019,

213 Table_1.DOCX. 2019,

212 Data_Sheet_1.PDF. 2019,

211 Image_1.TIFF. 2019,

210 Image_2.TIFF. 2019,

209 Image_3.TIFF. 2019,

208 Image_4.TIFF. 2019,

207 Image_5.TIFF. 2019,

206 Image_6.TIFF. 2019,

205 Table_1.DOCX. 2019,

204 Table_2.XLSX. 2019,

203 Table_3.XLSX. 2019,

202 Table_4.DOCX. 2019,

201 Table_5.XLSX. 2019,

200 Table_1.DOCX. 2018,

199 Data_Sheet_1.pdf. 2019,

198 Image_1.TIF. 2019,

197 Image_2.tif. 2019,

196 Image_3.TIF. 2019,

195 Data_Sheet_1.docx. 2019,

194 Table_1.XLSX. 2019,

193 Table_2.DOCX. 2019,

192 Data_Sheet_1.PDF. 2018,

191 Data_Sheet_1.docx. 2020,

190 Data_Sheet_1.docx. 2019,

189 Data_Sheet_1.docx. **2020**,

188 Data_Sheet_2.docx. **2020**,

187 Data_Sheet_1.PDF. **2018**,

186 Data_Sheet_2.PDF. **2018**,

185 Image_1.PDF. **2018**,

184 Image_2.PDF. **2018**,

183 Image_3.PDF. **2018**,

182 Table_1.PDF. **2018**,

181 Table_2.docx. **2018**,

180 Data_Sheet_1.DOCX. **2019**,

179 Data_Sheet_1.pdf. **2020**,

178 Table_1.xlsx. **2020**,

177 Table_2.xlsx. **2020**,

176 Table_3.xlsx. **2020**,

175 Table_1.xlsx. **2020**,

174 Table_2.xlsx. **2020**,

173 Table_3.pdf. **2020**,

172 Data_Sheet_1.docx. **2020**,

171 Image_1.TIFF. 2019,

170 Image_2.TIFF. 2019,

169 DataSheet1.XLSX. 2018,

168 DataSheet2.XLSX. 2018,

167 DataSheet3.XLSX. 2018,

166 DataSheet4.XLSX. 2018,

165 Image1.PDF. 2018,

164 Image2.PDF. 2018,

163 Table1.docx. 2018,

162 Data_Sheet_1.xlsx. 2019,

161 Image_1.TIF. 2021,

160 Image_2.tif. 2021,

159 Image_3.TIF. 2021,

158 Table_1.DOCX. 2021,

157 Table_2.DOCX. 2021,

156 Table_3.XLS. 2021,

155 Table_4.XLS. 2021,

154 Presentation_1.pdf. 2020,

- 153 Whole Genome, Functional Annotation and Comparative Genomics of Plant Growth-Promoting Bacteria *Pseudomonas aeruginosa* (NG61) with Potential Application in Agro-Industry.. **2022**, 79, 169 0
- 152 Genome-Wide Identification of Genes Important for Desiccation Tolerance on Inanimate Surfaces.. **2022**, e0011422 0
- 151 Action mechanisms, biodiversity, and omics approaches in biocontrol and plant growth-promoting *Pseudomonas*: an updated review. **2022**, 32, 527-550 0
- 150 Pyoverdine as an Important Virulence Factor in *Pseudomonas aeruginosa* Antibiotic Resistance. 0
- 149 sp. nov., isolated from island soil.. **2022**, 72, 0
- 148 Antitoxin CrIA of CrITA Toxin/Antitoxin System in a Clinical Isolate *Pseudomonas aeruginosa* Inhibits Lytic Phage Infection. **2022**, 13, 2
- 147 Cellular and Molecular Basis of Ocular Diseases. **2022**, 253-285 0
- 146 Antimicrobial Resistance in Ocular Bacteria. **2022**, 101-145 0
- 145 Phylogroup-specific variation shapes pangenome dynamics in *Pseudomonas aeruginosa*. 0
- 144 In silico structure based drug design approach to find potential hits in ventilator-associated pneumonia caused by *Pseudomonas aeruginosa*. **2022**, 146, 105597 0
- 143 An Updated Gene Regulatory Network reconstruction of multidrug-resistant *Pseudomonas aeruginosa* CCBH4851. 0
- 142 Assessment of Antibacterial and Anti-biofilm Effects of Vitamin C Against *Pseudomonas aeruginosa* Clinical Isolates. **2022**, 13, 0
- 141 Catching a Walker in the ActDNA Partitioning by ParA Family of Proteins. **2022**, 13, 1
- 140 Nitrate respiration occurs throughout the depth of mucoid and non-mucoid *Pseudomonas aeruginosa* submerged agar colony biofilms including the oxic zone. **2022**, 12, 0
- 139 Genomic Surveillance of Clinical *Pseudomonas aeruginosa* Isolates Reveals an Additive Effect of Carbapenemase Production on Carbapenem Resistance. 1
- 138 Structure-Based Ligand Design Targeting *Pseudomonas aeruginosa* LpxA in Lipid A Biosynthesis. 0
- 137 Crystallization, X-ray diffraction analysis and structure of ICMP from *Pseudomonas aeruginosa*. **2022**, 616, 129-133 0
- 136 Fungal Hyphae Regulate Bacterial Diversity and Plasmid-Mediated Functional Novelty During Range Expansion. 0

- 135 Antibacterial potency of type VI amidase effector toxins is dependent on substrate topology and cellular context. 11, 0
- 134 Whole Genome Multi-Locus Sequence Typing and Genomic Single Nucleotide Polymorphism Analysis for Epidemiological Typing of *Pseudomonas aeruginosa* From Indonesian Intensive Care Units. 13, 0
- 133 Aminoglycoside-Modifying Enzymes Are Sufficient to Make *Pseudomonas aeruginosa* Clinically Resistant to Key Antibiotics. **2022**, 11, 884 1
- 132 Genomic diversity and molecular epidemiology of a multidrug resistant *Pseudomonas aeruginosa* DMC30b isolated from hospitalized burn patient in Bangladesh. 0
- 131 Kinetics Analysis of β -Lactams Hydrolysis by OXA-50 Variants of *Pseudomonas aeruginosa*. 0
- 130 A previously uncharacterized gene, PA2146, contributes to biofilm formation and drug tolerance across the γ -Proteobacteria. **2022**, 8, 1
- 129 References. **2003**, 297-328 0
- 128 Phenotypic and integrated analysis of a comprehensive *Pseudomonas aeruginosa* PAO1 library of mutants lacking cyclic-di-GMP-related genes. 13, 0
- 127 The function of small RNA in *Pseudomonas aeruginosa*. 10, e13738 0
- 126 Concentration-Dependent Activity of Pazufloxacin against *Pseudomonas aeruginosa*: An In Vivo Pharmacokinetic/Pharmacodynamic Study. **2022**, 11, 982 0
- 125 Understanding Host-Pathogen Interactions of *Pseudomonas aeruginosa* with Lung Epithelial Cells. **2022**, 28, 1382-1383 0
- 124 Comparative Genomic Analysis of Antarctic *Pseudomonas* Isolates with 2,4,6-Trinitrotoluene Transformation Capabilities Reveals Their Unique Features for Xenobiotics Degradation. **2022**, 13, 1354 0
- 123 Current State of Knowledge Regarding WHO Critical Priority Pathogens: Mechanisms of Resistance and Proposed Solutions through Candidates Such as Essential Oils. **2022**, 11, 1789 1
- 122 *Staphylococcus aureus* Breast Implant Infection Isolates Display Recalcitrance to Antibiotic Pocket Irrigants. 0
- 121 Effects of Inhaled Corticosteroids on the Innate Immunological Response to *Pseudomonas aeruginosa* Infection in Patients with COPD. **2022**, 23, 8127 0
- 120 The membrane-active polyaminoisoprenyl compound NV716 re-sensitizes *Pseudomonas aeruginosa* to antibiotics and reduces bacterial virulence. **2022**, 5, 0
- 119 Decoding Genetic Features and Antimicrobial Susceptibility of *Pseudomonas aeruginosa* Strains Isolated from Bloodstream Infections. **2022**, 23, 9208 0
- 118 Macrolide therapy in *Pseudomonas aeruginosa* infections causes uL4 ribosomal protein mutations leading to high-level resistance. **2022**, 0

- 117 ToxR is a c-di-GMP binding protein that modulates surface-associated behaviour in *Pseudomonas aeruginosa*. **2022**, 8,
- 116 Negative interactions and virulence differences drive the dynamics in multispecies bacterial infections.
- 115 Systems-wide dissection of organic acid assimilation in *Pseudomonas aeruginosa* reveals a novel path to underground metabolism.
- 114 Extracytoplasmic sigma factor AlgU contributes to fitness of *Pseudomonas aeruginosa* PGPR2 during corn root colonization.
- 113 Distinct responses of *Pseudomonas aeruginosa* PAO1 exposed to different levels of polystyrene nanoplastics. **2022**, 158214 0
- 112 Repurposing Dimetridazole and Ribavirin to disarm *Pseudomonas aeruginosa* virulence by targeting the quorum sensing system. 13, 2
- 111 Genome characterization of a uropathogenic *Pseudomonas aeruginosa* isolate PA_HN002 with cyclic di-GMP-dependent hyper-biofilm production. 12, 1
- 110 Discovery of unknown quorum-sensing reprogramming factors in *Pseudomonas aeruginosa* using a dual-acting-gene-blocking approach.
- 109 Molecular Phylogenetic Analysis of Salt-Tolerance-Related Genes in Root-Nodule Bacteria Species *Sinorhizobium meliloti*. **2022**, 12, 1968 0
- 108 Genomic diversity and molecular epidemiology of a multidrug-resistant *Pseudomonas aeruginosa* DMC30b isolated from a hospitalized burn patient in Bangladesh. **2022**, 31, 110-118 1
- 107 Core-shell polycationic polyurea pharamadendrimers: new-generation of sustainable broad-spectrum antibiotics and antifungals. **2022**, 10, 5197-5207 2
- 106 The collectin SP-A and its trimeric recombinant fragment protect alveolar epithelial cells from the cytotoxic and proinflammatory effects of human cathelicidin in vitro. 13, 0
- 105 2-Undecanone derived from *Pseudomonas aeruginosa* modulates the neutrophil activity. **2022**, 55, 395-400 0
- 104 Cooperative action of SP-A and its trimeric recombinant fragment with polymyxins against Gram-negative respiratory bacteria. 13, 0
- 103 Evaluation of phages and liposomes as combination therapy to counteract *Pseudomonas aeruginosa* infection in wild-type and CFTR-null models. 13, 0
- 102 reComBat: batch-effect removal in large-scale multi-source gene-expression data integration. 0
- 101 Genomic features of *Pseudomonas* sp. RGM2144 correlates with increased survival of rainbow trout infected by *Flavobacterium psychrophilum*. 0
- 100 The Antibiotic Resistance Patterns of *Pseudomonas Aeruginosa* Strains Isolated from Microbiological Specimens. 0

- 99 Emergence and Transfer of Plasmid-Harbored rmtB in a Clinical Multidrug-Resistant *Pseudomonas aeruginosa* Strain. **2022**, 10, 1818 ○
- 98 Role of megaplasmids and chromosomal integration in acquisition of CTX-M-encoding genes by *Pseudomonas aeruginosa*. ○
- 97 Whole-Genome Sequencing Reveals Diversity of Carbapenem-Resistant *Pseudomonas aeruginosa* Collected through CDC's Emerging Infections Program, United States, 2016-2018. **2022**, 66, 1
- 96 Epidemiological investigation of *Pseudomonas aeruginosa* isolates including Multidrug-Resistant serogroup O12 isolates, by use of a rapid and simplified Multiple-Locus Variable-Number of Tandem Repeats Analysis and Whole Genome Sequencing. **2022**, ○
- 95 Towards Understanding the Function of Aegerolysins. **2022**, 14, 629 ○
- 94 Development of liquid culture media mimicking the conditions of sinuses and lungs in cystic fibrosis and health. 11, 1007 1
- 93 The Antibiotic Resistance Patterns of *Pseudomonas Aeruginosa* Strains Isolated from Microbiological Specimens. ○
- 92 Role of Two-Component System Networks in *Pseudomonas aeruginosa* Pathogenesis. **2022**, 371-395 ○
- 91 Transcriptional Profiling of *Pseudomonas aeruginosa* Infections. **2022**, 303-323 ○
- 90 What Makes *Pseudomonas aeruginosa* a Pathogen?. **2022**, 283-301 ○
- 89 *Pseudomonas aeruginosa* Pangenome: Core and Accessory Genes of a Highly Resourceful Opportunistic Pathogen. **2022**, 3-28 ○
- 88 An Important Role of the Type VI Secretion System of *Pseudomonas aeruginosa* Regulated by Dnr in Response to Anaerobic Environments. ○
- 87 Non-Antibiotic Antimony-Based Antimicrobials. **2022**, 27, 7171 ○
- 86 Integrated metabolomic and transcriptomic analyses of the synergistic effect of polymyxin B-fampicin combination against *Pseudomonas aeruginosa*. **2022**, 29, ○
- 85 The identification of *Pseudomonas aeruginosa* persisters using flow cytometry. **2022**, 168, 1
- 84 *Pseudomonas aeruginosa* reference strains PAO1 and PA14: A genomic, phenotypic, and therapeutic review. 13, ○
- 83 The In Vivo and In Vitro Assessment of Pyocins in Treating *Pseudomonas aeruginosa* Infections. **2022**, 11, 1366 ○
- 82 The Antibiotic Resistance Patterns of *Pseudomonas Aeruginosa* Strains Isolated from Microbiological Specimens. ○

81	Responses of carbapenemase-producing and non-producing carbapenem-resistant <i>Pseudomonas aeruginosa</i> strains to meropenem revealed by quantitative tandem mass spectrometry proteomics.	0
80	Evaluating the Antivirulence Effects of New Thiazolidinedione Compounds Against <i>Pseudomonas aeruginosa</i> PAO1.	0
79	Identification of Persister Drug Combination Clinafloxacin + Cefuroxime + Gentamicin That Eradicates Persistent <i>Pseudomonas aeruginosa</i> Infection in a Murine Cystic Fibrosis Model. Publish Ahead of Print,	0
78	Metabolic Mechanism and Physiological Role of Glycerol 3-Phosphate in <i>Pseudomonas aeruginosa</i> PAO1.	0
77	Target-enriched long-read sequencing (TELSeq) contextualizes antimicrobial resistance genes in metagenomes. 2022 , 10,	0
76	Senoside A inhibits quorum sensing system to attenuate its regulated virulence and pathogenicity via targeting LasR in <i>Pseudomonas aeruginosa</i> . 13,	0
75	Molecularly imprinted polymer-based nanodiagnostics for clinically pertinent bacteria and virus detection for future pandemics. 2022 , 12, 100257	1
74	Hybran: Hybrid Reference Transfer and ab initio Prokaryotic Genome Annotation.	0
73	Distantly Related Homologue of UhpT in <i>Pseudomonas aeruginosa</i> . 2022 , 1, 266-278	0
72	Quorum sensing activities and genomic insights of plant growth-promoting rhizobacteria isolated from Assam tea.	0
71	Comparative genomics and informational content analysis uncovered internal regions of the core genes rpoD, pepN and gltX for an MLSA with genome-level resolving power within the genus <i>Pseudomonas</i> . 2022 , 107663	0
70	A ten-year microbiological study of <i>Pseudomonas aeruginosa</i> strains revealed diffusion of carbapenems and quaternary ammonium compounds resistant populations.	0
69	Genome sequence of <i>Pseudomonas aeruginosa</i> PA1-PetroA role model of environmental adaptation and a potential biotechnological tool. 2022 , e11566	0
68	Systems-Wide Dissection of Organic Acid Assimilation in <i>Pseudomonas aeruginosa</i> Reveals a Novel Path To Underground Metabolism.	0
67	Phylogenomic and comparative genomic studies robustly demarcate two distinct clades of <i>Pseudomonas aeruginosa</i> strains: proposal to transfer the strains from an outlier clade to a novel species <i>Pseudomonas paraaeruginosa</i> sp. nov.. 2022 , 72,	0
66	Leveraging single-cell Raman spectroscopy and single-cell sorting for the detection and identification of yeast infections. 2023 , 1239, 340658	0
65	Recent advances in microbial fuel cells: A review on the identification technology, molecular tool and improvement strategy of electricigens. 2023 , 37, 101187	1
64	Biochemical analysis of protein-protein interfaces underlying the regulation of bacterial secretion systems. 2022 ,	0

63	Functional Characterization of TetR-like Transcriptional Regulator PA3973 from <i>Pseudomonas aeruginosa</i> . 2022 , 23, 14584	0
62	Development of liquid culture media mimicking the conditions of sinuses and lungs in cystic fibrosis and health. 11, 1007	0
61	<i>Pseudomonas aeruginosa</i> Represents a Main Cause of Hospital-Acquired Infections (HAI) and Multidrug Resistance (MDR).	0
60	Proteomic profiling spotlights the molecular targets and the impact of the natural antivirulent umbelliferone on stress response, virulence factors, and the quorum sensing network of <i>Pseudomonas aeruginosa</i> . 12,	0
59	Bare Eye Detection of Bacterial Enzymes of <i>Pseudomonas aeruginosa</i> with Polymer Modified Nanoporous Silicon Rugate Filters. 2022 , 12, 1064	0
58	Genome-Based Analysis of Virulence Factors and Biofilm Formation in Novel <i>P. aeruginosa</i> Strains Isolated from Household Appliances. 2022 , 10, 2508	0
57	Identification of a Multidrug Resistant <i>Pseudomonas aeruginosa</i> Isolate Harboring Infrequent Red Fluorescence Plasmid from COPD Patient. Volume 15, 7301-7305	0
56	Role of Efflux Pumps on Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> . 2022 , 23, 15779	4
55	Compendium-Wide Analysis of <i>Pseudomonas aeruginosa</i> Core and Accessory Genes Reveals Transcriptional Patterns across Strains PAO1 and PA14.	0
54	<i>Staphylococcus aureus</i> Breast Implant Infection Isolates Display Recalcitrance To Antibiotic Pocket Irrigants.	0
53	Multifaceted Interplay between Hfq and the Small RNA GssA in <i>Pseudomonas aeruginosa</i> .	0
52	Proteomic characterization of Shiitake (<i>Lentinula edodes</i>) post-harvest fruit bodies grown on hardwood logs and isolation of an antibacterial serine protease inhibitor. 2022 ,	0
51	Structure of the AlgKX modification and secretion complex required for alginate production and biofilm attachment in <i>Pseudomonas aeruginosa</i> . 2022 , 13,	0
50	Computationally Efficient Assembly of <i>Pseudomonas aeruginosa</i> Gene Expression Compendia.	0
49	Attenuation of <i>Pseudomonas aeruginosa</i> Virulence by Pomegranate Peel Extract. 2022 , 10, 2500	0
48	CzcR Is Essential for Swimming Motility in <i>Pseudomonas aeruginosa</i> during Zinc Stress. 2022 , 10,	0
47	<i>Pseudomonas aeruginosa</i> : Infections, Animal Modeling, and Therapeutics. 2023 , 12, 199	2
46	Vanadyl Naphthalocyanine-Doped Polymer Dots for Near-Infrared Light-Induced Nitric Oxide Release and Bactericidal Effects.	1

45	The Cellular Abundance of Chemoreceptors, Chemosensory Signaling Proteins, Sensor Histidine Kinases, and Solute Binding Proteins of <i>Pseudomonas aeruginosa</i> Provides Insight into Sensory Preferences and Signaling Mechanisms. 2023 , 24, 1363	0
44	SINDy for delay-differential equations: application to model bacterial zinc response. 2023 , 479,	2
43	Diversity and prevalence of type VI secretion system effectors in clinical <i>Pseudomonas aeruginosa</i> isolates. 13,	0
42	Cross-talk between cancer and <i>Pseudomonas aeruginosa</i> mediates tumor suppression. 2023 , 6,	0
41	A bittersweet fate: detection of serotype switching in <i>Pseudomonas aeruginosa</i> . 2023 , 9,	0
40	The Role of <i>Pseudomonas aeruginosa</i> DsbA-1 in Bacterial Pathogenesis: Current Research and Future Prospects.	0
39	Antimicrobial Resistance and Genetic Diversity of <i>Pseudomonas aeruginosa</i> Strains Isolated from Equine and Other Veterinary Samples. 2023 , 12, 64	0
38	Bacterial Alginate Biosynthesis and Metabolism.	0
37	Characterization and Biodegradation of Phenol by <i>Pseudomonas aeruginosa</i> and <i>Klebsiella variicola</i> Strains Isolated from Sewage Sludge and Their Effect on Soybean Seeds Germination. 2023 , 28, 1203	1
36	Multifunctional ZnFeO ₄ -Based Antibiotic Cross-Linked Nanoplatfom for Magnetically Targeted Treatment of Microbial Biofilms. 2023 , 6, 2141-2150	0
35	Regulatory Landscape of the <i>Pseudomonas aeruginosa</i> Phosphoethanolamine Transferase Gene <i>eptA</i> in the Context of Colistin Resistance. 2023 , 12, 200	0
34	Bacterial droplet-based single-cell RNA-seq reveals antibiotic-associated heterogeneous cellular states. 2023 ,	1
33	Molecular detection of OprD and ExoA in <i>Pseudomonas aeruginosa</i> and antibiotics resistance. 2023 ,	0
32	Acetylation of amines and alcohols catalyzed by acetylcholinesterase from <i>Pseudomonas aeruginosa</i> PAO1. 2023 , 165, 110208	0
31	Application of nematicide avermectin enriched antibiotic-resistant bacteria and antibiotic resistance genes in farmland soil. 2023 , 227, 115802	0
30	Principales características de la genética bacteriana de <i>Pseudomonas aeruginosa</i> que contribuyen con su patogenicidad y resistencia. 2014 , 4, 98-105	0
29	Quorum sensing activities and genomic insights of plant growth-promoting rhizobacteria isolated from Assam tea. 2023 , 39,	0
28	Commensal bacteria can inhibit the growth of <i>P. aeruginosa</i> in cystic fibrosis airway infections through a released metabolite.	0

- 27 Responses of carbapenemase-producing and non-producing carbapenem-resistant *Pseudomonas aeruginosa* strains to meropenem revealed by quantitative tandem mass spectrometry proteomics. 13, ○
- 26 RNAseq reveals that *Pseudomonas aeruginosa* mounts medium-dependent competitive responses when sensing diffusible cues from *Burkholderia cenocepacia*. ○
- 25 Identification and characterization of two transcriptional regulators in *Xanthomonas oryzae* pv. *oryzicola* YM15. **2023**, 124, 101964 ○
- 24 A 10-year microbiological study of *Pseudomonas aeruginosa* strains revealed the circulation of populations resistant to both carbapenems and quaternary ammonium compounds. **2023**, 13, ○
- 23 The mechanism of *Pseudomonas aeruginosa* outer membrane vesicle biogenesis determines their protein composition. 2200464 ○
- 22 Synergy between Human Peptide LL-37 and Polymyxin B against Planktonic and Biofilm Cells of *Escherichia coli* and *Pseudomonas aeruginosa*. **2023**, 12, 389 1
- 21 Structural Insights into *Pseudomonas aeruginosa* Exotoxin A Elongation Factor 2 Interactions: A Molecular Dynamics Study. **2023**, 63, 1578-1591 ○
- 20 *Pseudomonas aeruginosa* Dps (PA0962) Functions in H₂O₂ Mediated Oxidative Stress Defense and Exhibits In Vitro DNA Cleaving Activity. **2023**, 24, 4669 ○
- 19 Antimicrobial Photodynamic Therapy for the Remote Eradication of Bacteria. **2023**, 88, ○
- 18 Identification of efflux substrates using a riboswitch-based reporter in *Pseudomonas aeruginosa*. ○
- 17 Whole-Genome Sequencing-Based Resistome Analysis of Nosocomial Multidrug-Resistant Non-Fermenting Gram-Negative Pathogens from the Balkans. **2023**, 11, 651 ○
- 16 Genome Analysis of *Pseudomonas aeruginosa* Strains from Chronically Infected Patients with High Levels of Persister Formation. **2023**, 12, 426 ○
- 15 Establishment and characterization of a new *Pseudomonas aeruginosa* infection model using 2D airway organoids and dual RNA sequencing. ○
- 14 Structural genome variants of *Pseudomonas aeruginosa* clone C and PA14 strains. 14, ○
- 13 Detection and Study *nan1* and *tox A* genes of *Pseudomonas aeruginosa* in Isolates from Otitis Media Patients Considered as Virulence Factors. **2023**, 17, 81-89 ○
- 12 Visible label-free detection of bacterial DNA using flocculation of sterically stabilised cationic latexes. ○
- 11 Identification of Efflux Substrates Using a Riboswitch-Based Reporter in *Pseudomonas aeruginosa*. **2023**, 8, ○
- 10 Phylogroup-specific variation shapes the clustering of antimicrobial resistance genes and defence systems across regions of genome plasticity in *Pseudomonas aeruginosa*. **2023**, 90, 104532 ○

- 9 Bacteria in Fluid Flow. ○
- 8 Characteristics Of The Pseudomonas aeruginosa And How To Prevention From Them.. **2022**, 14, 86-99 ○
- 7 Phenazines and Photoactive Formulations: Promising Photodrugs for Photodynamic Therapy. ○
- 6 Crosstalk between Pseudomonas aeruginosa antibiotic resistance and virulence mediated by phenylethylamine. ○
- 5 The impact of biosynthesized ZnO nanoparticles from Olea europaea (Common Olive) on Pseudomonas aeruginosa growth and biofilm formation. **2023**, 13, ○
- 4 Cold atmospheric pressure plasma-antibiotic synergy in Pseudomonas aeruginosa biofilms is mediated via oxidative stress response. **2023**, 100122 ○
- 3 Targeting Essential Hypothetical Proteins of Pseudomonas aeruginosa PAO1 for Mining of Novel Therapeutics: An In Silico Approach. **2023**, 2023, 1-28 ○
- 2 Mechanisms of Antibiotic and Biocide Resistance That Contribute to Pseudomonas aeruginosa Persistence in the Hospital Environment. **2023**, 11, 1221 ○
- 1 No evidence for trans-generational immune priming in *Drosophila melanogaster*. ○