

PUBLICAÇÕES DE 2018
CENTRO DE BACTERIOLOGIA – Instituto Adolfo Lutz

Draft genome sequences of KPC-2- and CTX-M-15-producing *Klebsiella pneumoniae* ST437 isolated from a clinical sample and urban rivers in Sao Paulo, Brazil.
Francisco GR, Bueno MFC, Cerdeira L, Lincopan N, lenne S, Souza TA, de Oliveira Garcia D. J Glob Antimicrob Resist. 2018 Dec 19;16:74-75. doi: 10.1016/j.jgar.2018.12.003. [Epub ahead of print]
PMID: 30578976

Novel Hybrid of Typical Enteropathogenic *Escherichia coli* and Shiga-Toxin-Producing *E. coli* (tEPEC/STEC) Emerging From Pet Birds.
Gioia-Di Chiacchio RM, Cunha MPV, de Sá LRM, Davies YM, Pereira CBP, Martins FH, Munhoz DD, Abe CM, Franzolin MR, Dos Santos LF, Guth BEC, Elias WP, Piazza RMF, Knöbl T. Front Microbiol. 2018 Dec 6;9:2975. doi: 10.3389/fmicb.2018.02975. eCollection 2018.
PMID: 30574131

An Azole-Resistant *Candida parapsilosis* Outbreak: Clonal Persistence in the Intensive Care Unit of a Brazilian Teaching Hospital.
Thomaz DY, de Almeida JN Jr, Lima GME, Nunes MO, Camargo CH, Grenfell RC, Benard G, Del Negro GMB. Front Microbiol. 2018 Dec 5;9:2997. doi: 10.3389/fmicb.2018.02997. eCollection 2018.
PMID: 30568646

Distribution of the pils gene in *Escherichia coli* pathovars, its transfer ability and influence in the typical enteropathogenic *E. coli* adherence phenotype.
Garcia BG, Castro FS, Vieira MAM, Girão DM, Uenishi LT, Cergole-Novella MC, Dos Santos LF, Piazza RMF, Hernandez RT, Gomes TAT. Int J Med Microbiol. 2018 Dec 11. pii: S1438-4221(18)30452-1. doi: 10.1016/j.ijmm.2018.12.001. [Epub ahead of print]
PMID: 30559068

Endemicity of the High-Risk Clone *Klebsiella pneumoniae* ST340 Coproducing QnrB, CTX-M-15, and KPC-2 in a Brazilian Hospital.
Tolentino FM, Bueno MFC, Francisco GR, Barcelos DDP, Lobo SM, Tomaz FMMB, da Silva NS, de Andrade LN, Casella T, Darini ALDC, Polotto M, de Oliveira Garcia D, Nogueira MCL. Microb Drug Resist. 2018 Dec 13. doi: 10.1089/mdr.2018.0006. [Epub ahead of print]
PMID: 30543470

Co-occurrence of *qnrE1* and *blaCTX-M-8* in *IncM1* transferable plasmids contributing to MDR in different *Salmonella* serotypes.
Soares FB, Camargo CH, Cunha MPV, de Almeida EA, Bertani AMJ, Carvalho E, de Paiva JB, Fernandes SA, Tiba-Casas MR. J Antimicrob Chemother. 2018 Dec 12. doi: 10.1093/jac/dky516. [Epub ahead of print] No abstract available.
PMID: 30541085

Expansion of the multidrug-resistant clonal complex 320 among invasive *Streptococcus pneumoniae* serotype 19A after the introduction of a ten-valent pneumococcal conjugate vaccine in Brazil.
Cassiolato AP, Almeida SCG, Andrade AL, Minamisava R, Brandileone MCC. PLoS One. 2018 Nov 29;13(11):e0208211. doi: 10.1371/journal.pone.0208211. eCollection 2018.
PMID: 30496296

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Heparin-binding protein release is strongly induced by *Leptospira* spp. and is a candidate for an early diagnostic marker of human leptospirosis.

Vieira ML, Persson S, Lopes-Ferreira M, Romero EC, Kirchgatter K, Nascimento ALTO, Herwald H.

J Infect Dis. 2018 Oct 8. doi: 10.1093/infdis/jiy589. [Epub ahead of print]

PMID: 30299510

Bedaquiline and linezolid MIC distributions and epidemiological cut-off values for *Mycobacterium tuberculosis* in the Latin American region.

Lopez B, Siqueira de Oliveira R, Pinhata JMW, Chimara E, Pacheco Ascencio E, Puyén Guerra ZM, Wainmayer I, Simboli N, Del Granado M, Palomino JC, Ritacco V, Martin A.

J Antimicrob Chemother. 2018 Oct 25. doi: 10.1093/jac/dky414. [Epub ahead of print]

PMID: 30358851

Emergence of CMY-2-Producing *Salmonella* Heidelberg Associated with IncI1 Plasmids Isolated from Poultry in Brazil.

Tiba-Casas MR, Camargo CH, Soares FB, Doi Y, Fernandes SA.

Microb Drug Resist. 2018 Sep 25. doi: 10.1089/mdr.2018.0044. [Epub ahead of print]

PMID: 30256175

Diarrhoeagenic *Escherichia coli* and *Escherichia albertii* in Brazil: pathotypes and serotypes over a 6-year period of surveillance.

Ori EL, Takagi EH, Andrade TS, Miguel BT, Cergole-Novella MC, Guth BEC, Hernandes RT, Dias RCB, Pinheiro SRS, Camargo CH, Romero EC, Dos Santos LF.

Epidemiol Infect. 2018 Sep 19:1-9. doi: 10.1017/S0950268818002595. [Epub ahead of print]

PMID: 30229714

Genotypic Resistance to Quinolone and Tetracycline in *Salmonella* Dublin Strains Isolated from Humans and Animals in Brazil.

Vilela FP, Gomes CN, Passaglia J, Rodrigues DP, Costa RG, Tiba Casas MR, Fernandes SA, Falcão JP, Campioni F.

Microb Drug Resist. 2018 Sep 15. doi: 10.1089/mdr.2017.0329. [Epub ahead of print]

PMID: 30222519

Characterization of avian pathogenic *Escherichia coli* isolated from free-range helmeted guineafowl.

Borzi MM, Cardozo MV, Oliveira ES, Pollo AS, Guastalli EAL, Santos LFD, Ávila FA.

Braz J Microbiol. 2018 Aug 11. pii: S1517-8382(18)30140-0. doi: 10.1016/j.bjm.2018.04.011.

[Epub ahead of print]

PMID: 30170963

Diversity of High-Level Aminoglycoside Resistance Mechanisms among Gram-Negative Nosocomial Pathogens in Brazil.

Ballaben AS, Andrade LN, Galetti R, Ferreira JC, McElheny CL, Mettus RT, da Silva P, de Oliveira Garcia D, Darini ALC, Doi Y.

Antimicrob Agents Chemother. 2018 Oct 24;62(11). pii: e01550-18. doi: 10.1128/AAC.01550-18. Print 2018 Nov. No abstract available.

PMID: 30150471

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CENTRO DE BACTERIOLOGIA – Instituto Adolfo Lutz

Molecular epidemiology of methicillin-susceptible *Staphylococcus aureus* (MSSA) isolated from milk of cows with subclinical mastitis.

Bonsaglia ECR, Silva NCC, Rossi BF, Camargo CH, Dantas STA, Langoni H, Guimarães FF, Lima FS, Fitzgerald JR, Fernandes A Júnior, Rall VLM.

Microb Pathog. 2018 Aug 20;124:130-135. doi: 10.1016/j.micpath.2018.08.031. [Epub ahead of print]

PMID: 30138758

Hospital bronchoscopy-related pseudo-outbreak caused by a circulating *Mycobacterium abscessus* subsp. *massiliense*.

Fernandes Garcia de Carvalho N, Rodrigues Mestrinari AC, Brandão A, Souza Jorge L, Franco C, da Silveira Paro Pedro H, de Lucca Oliveira MG, Blaz Trombim PE, Brandão D, Ferrazoli L, Chimara E.

J Hosp Infect. 2018 Nov;100(3):e138-e141. doi: 10.1016/j.jhin.2018.07.043. Epub 2018 Aug 3.

PMID: 30081145

Escherichia coli O26 and O113:H21 on Carcasses and Beef from a Slaughterhouse Located in Mato Grosso, Brazil.

Santos ECCD, Castro VS, Cunha-Neto A, Santos LFD, Vallim DC, Lisbôa RC, Carvalho RCT, Junior CAC, Figueiredo EES.

Foodborne Pathog Dis. 2018 Oct;15(10):653-659. doi: 10.1089/fpd.2018.2431. Epub 2018 Jul 23.

PMID: 30036077

Draft Genome Sequences of 112 *Salmonella* enterica Serovar Dublin Strains Isolated from Humans and Animals in Brazil.

Campioni F, Vilela FP, Cao G, Kastanis G, Miller D, Sanchez Leon M, Tiba-Casas MR, Fernandes SA, Rodrigues DDP, Costa RG, Allard MW, Falcão JP.

Genome Announc. 2018 Jun 14;6(24). pii: e00405-18. doi: 10.1128/genomeA.00405-18.

PMID: 29903808

Shigatoxigenic and atypical enteropathogenic *Escherichia coli* in fish for human consumption. Cardozo MV, Borges CA, Beraldo LG, Maluta RP, Pollo AS, Borzi MM, Dos Santos LF, Kariyawasam S, Ávila FA.

Braz J Microbiol. 2018 Oct - Dec;49(4):936-941. doi: 10.1016/j.bjm.2018.02.013. Epub 2018 May 21.

PMID: 29891415

Nocardial scleritis: A case report and a suggested algorithm for disease management based on a literature review.

Cunha LPD, Juncal V, Carvalhaes CG, Leão SC, Chimara E, Freitas D.

Am J Ophthalmol Case Rep. 2018 Jan 10;10:1-5. doi: 10.1016/j.ajoc.2018.01.018. eCollection 2018 Jun.

PMID: 29780901

HIV-negative pulmonary disease caused by nontuberculous mycobacteria in Southern Brazil: clinical and microbiological characterization.

Puga FG, Pocente RHC, Chimara E, Bollela VR.

J Thorac Dis. 2018 Mar;10(3):1903-1911. doi: 10.21037/jtd.2018.03.66.

PMID: 29707345

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Distribution of invasive *Streptococcus pneumoniae* serotypes before and 5-years after the introduction of 10-valent pneumococcal conjugate vaccine in Brazil.
Brandileone MC, Almeida SCG, Minamisava R, Andrade AL.
Vaccine. 2018 May 3;36(19):2559-2566. doi: 10.1016/j.vaccine.2018.04.010. Epub 2018 Apr 9.
PMID: 29650385

Surveillance of antimicrobial resistance in *Neisseria meningitidis* strains isolated from invasive cases in Brazil from 2009 to 2016.
Gorla MC, Pinhata JMW, Dias UJ, de Moraes C, Lemos AP.
J Med Microbiol. 2018 May 2. doi: 10.1099/jmm.0.000743. [Epub ahead of print]
PMID: 29717974

Migration and tuberculosis transmission in a middle-income country: a cross-sectional study in a central area of São Paulo, Brazil.
Pescarini JM, Simonsen V, Ferrazoli L, Rodrigues LC, Oliveira RS, Waldman EA, Houben R.
BMC Med. 2018 Apr 30;16(1):62. doi: 10.1186/s12916-018-1055-1.
PMID: 29706130

Growth characteristics of liquid cultures increase the reliability of presumptive identification of *Mycobacterium tuberculosis* complex.
Pinhata JMW, Felipe IM, Gallo JF, Chimara E, Ferrazoli L, de Oliveira RS.
J Med Microbiol. 2018 Apr 23. doi: 10.1099/jmm.0.000734. [Epub ahead of print]
PMID: 29687767

Spoligotyping analysis of *Mycobacterium tuberculosis* with TB-sprint technology.
Ali S, Sola C, Harrison M, Tahir M, Sheed Khan A, Mumtaz M, Chimara E, Hassan F.
J Biol Regul Homeost Agents. 2018 Mar-Apr;32(2):275-281.
PMID: 29685006

Evaluation of inhibitors for development of a selective medium for isolation of *Leptospira* spp. from clinical samples.
Pinhata JMW, Blanco RM, Romero EC.
Lett Appl Microbiol. 2018 Mar 25. doi: 10.1111/lam.12887. [Epub ahead of print]
PMID: 29575146

Detection of multidrug-resistant tuberculosis from stored DNA Samples: A multicenter study.
Rabodoarivelo MS, Brandao A, Cergole Novella MC, C Bombonatte AG, Imperiale B, Rakotosamimanana N, Morcillo N, Rasolofo V, Palomino JC, Martin A.
Int J Mycobacteriol. 2018 Jan-Mar;7(1):40-44. doi: 10.4103/ijmy.ijmy_193_17.
PMID: 29516884

Draft Genome Sequence of a Pathogenic *Vibrio vulnificus* Strain Isolated in Brazil.
Tiba-Casas MR, Lemes-Marques EG, Almeida EA, Soares FB, Camargo CH.
Genome Announc. 2018 Feb 15;6(7). pii: e01274-17. doi: 10.1128/genomeA.01274-17.
PMID: 29449396

Emergence of resistance to ciprofloxacin in *Neisseria meningitidis* in Brazil
Gorla MC, Cassiolato AP, Pinhata JMW, Moraes C, Corso A, Galletti P, Lemos AP.
J Med Microbiol. 2018 Jan 18; ahead of print. doi: 10.1099/jmm.0.000685

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Large-scale evaluation of a rapid diagnostic test for diarrhea caused by enterotoxigenic *Escherichia coli* targeting the heat-labile toxin.

Henrique C, Caetano BA, Mitsunari T, Dos Santos LF, Piazza RMF, Rocha LB.

J Microbiol Methods. 2018 Jan;144:125-127. doi: 10.1016/j.mimet.2017.11.020. Epub 2017 Nov 23.

PMID: 29175533

Genetic diversity, anti-microbial resistance, plasmid profile and frequency of the Vi antigen in *Salmonella* Dublin strains isolated in Brazil.

Vilela FP, Frazão MR, Rodrigues DP, Costa RG, Casas MRT, Fernandes SA, Falcão JP, Campioni F.

Zoonoses Public Health. 2018 Feb;65(1):e34-e43. doi: 10.1111/zph.12407. Epub 2017 Sep 24.

PMID: 28944617

Draft genome sequence of a KPC-2-producing *Klebsiella pneumoniae* ST340 carrying *bla*CTX-M-15 and *bla*CTX-M-59 genes: a rich genome of mobile genetic elements and genes encoding antibiotic resistance.

Casella T, de Moraes ABZ, de Paula Barcelos DD, Tolentino FM, Cerdeira LT, Bueno MFC, Francisco GR, de Andrade LN, da Costa Darini AL, de Oliveira Garcia D, Lincopan N, Nogueira MCL.

J Glob Antimicrob Resist. 2018 Feb 21;13:35-36. doi: 10.1016/j.jgar.2018.02.011. [Epub ahead of print]

PMID: 29476983

Acinetobacter baumannii ST317 can be identified with Martins' trilocus sequence-based multiplex-PCR.

Tavares LCB, de Vasconcellos FM, Sant'Ana DA, Tiba-Casas MR, Camargo CH.

Infect Genet Evol. 2018 Jan 10;58:251-252. doi: 10.1016/j.meegid.2018.01.008. [Epub ahead of print] No abstract available.

PMID: 29331669