

DAFTAR PUSTAKA

- Abriouel, H., Casado Muñoz, M. del C., Lavilla Lerma, L., Pérez Montoro, B., Bockelmann, W., Pichner, R., Kabisch, J., Cho, G.S., Franz, C.M.A.P., Gálvez, A., & Benomar, N. (2015). New insights in antibiotic resistance of *Lactobacillus* species from fermented foods. *Food Research International*, 78, 465–481. doi:10.1016/j.foodres.2015.09.016.
- Andrajati, R., Tilaqza, A., & Supardi, S. (2017). Factors related to rational antibiotic prescriptions in community health centers in Depok City, Indonesia. *Journal of Infection and Public Health*, 10(1), 41–48. doi:10.1016/j.jiph.2016.01.012.
- Andriani, D., Hasan, P. N., Utami T, Suroto, D. A., Wikandari, R., Rahayu, E. S. (2021). Genotypic and phenotypic analyses of antibiotic resistance in indonesian indigenous *Lactobacillus* probiotics. *Applied Food Biotechnology*, 8(4): 267-274. doi:org/10.22037/afb. v8i4.34448.
- Anisimova, E. A., & Yarullina, D. R. (2019). Antibiotic resistance of *Lactobacillus* strains. *Current Microbiology*. doi:10.1007/s00284-019-01769-7.
- Aziz, R.K., Bartels, D., Best, A., DeJongh, M., Disz, T., Edwards, R.A., Formsma, K., Gerdes, S., Glass, E.M., Kubal, M., Meyer, F., Olsen, G.J., Olson, R., Osterman, A.L., Overbeek, R.A., McNeil, L.K., Paarmann, D., Paczian, T., Parrello, B., Pusch, G.D., Reich, C., Stevens, R., Vassieva, O., Vonstein, V., Wilke, A. & Zagnitko, O. (2008). *The RAST Server: rapid annotations using subsystems technology*. *BMC Genomics*, 9(1), 75. doi:10.1186/1471-2164-9-75.
- BPOM, RI. (2016). Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Nomor 13 Tahun 2016 tentang Pengawasan Klaim pada Label dan Iklan Pangan Olahan. Jakarta: Badan Pengawas Obat dan Makanan Republik Indonesia.
- Bu'ulölö, I. C., Simamora, N., Tampubolon, S., & Pine, A. (2010). Sequence Alignment Menggunakan Algoritma Smith Waterman. Vol II (2). 2085-3858.
- Bradley, J. S., & Jackson, M. A. (2011). The use of systemic and topical Fluoroquinolones. *Pediatrics*, 128(4), e1034–e1045. doi:10.1542/peds.2011-1496.
- Campedelli, I., Mathur, H., Salvetti, E., Clarke, S., Rea, M. C., Torriani, S., Ross, R.P., Hill, C., & O'Toole, P. W. (2018). Genus-wide assessment of antibiotic resistance in *Lactobacillus* spp. *Applied and Environmental Microbiology*. doi:10.1128/aem.01738-18.
- Centers for Disease Control and Prevention. (2019). Antibiotic resistance threats in the United States, 2019. Atlanta, GA: US Department of Health and Human Services, *Centres for Disease Control and Prevention*, pp. 3,103-104.
- Charteris, W. P., Kelly, P. M., Morelli, L., & Collins, J. K. (2001). Gradient

diffusion antibiotic susceptibility testing of potentially probiotic *Lactobacilli*. *Journal of Food Protection*, 64(12), 2007–2014. doi:10.4315/0362-028x-64.12.2007.

Chesson, A., Franklin, A., Aumaître, A., Sköld, O., Leclercq, R., von Wright, A., & Guillot, J. F. (2002). Opinion of the scientific committee on animal nutrition on the criteria for assessing the safety of microorganisms resistant to antibiotics of human and veterinary importance. *Directorate C—Scientific Opinions. European Commission Health and Consumer Protection Directorate-General, Brussels, Belgium*.

Clinical and Laboratory Standards Institute. (2006). Methods for antimicrobial susceptibility test for bacteria that grow aerobically (M7–A7). vol. 26, pp. 16 – 18. 1–56238–587–9.

Clinical and Laboratory Standards Institute M07-A9. (2012). Method for antimicrobial susceptibility tests for bacteria that grow aerobically; Approved Standard. 9th ed. *Clinical and Laboratory Standards Institute, USA*. p16-19.

Condon, S. (1983). Aerobic metabolism of lactic acid bacteria. *Irish Journal of Food Science and Technology*. 7: 15–25.

Corsetti, A., Ciarrocchi, A., & Prete, R. (2016). Lactic acid bacteria: *Lactobacillus* spp.: *Lactobacillus plantarum*. *Reference Module in Food Science*. doi:10.1016/b978-0-08-100596-5.00856-8.

Connell, S. R., Tracz, D. M., Nierhaus, K. H., & Taylor, D. E. (2003). Ribosomal protection proteins and their mechanism of tetracycline resistance. *Antimicrobial Agents and Chemotherapy*, 47(12), 3675–3681. doi:10.1128/aac.47.12.3675-3681.2003.

Courvalin, P. (2006). Antibiotic resistance: the pros and cons of probiotics. *Digestive and Liver Disease*, 38, S261–S265. doi:10.1016/s1590-8658(07)60006-1.

Danielsen, M., & Wind, A. (2003). Susceptibility of *Lactobacillus* spp. to antimicrobial agents. *International Journal of Food Microbiology*, 82(1), 1–11. doi:10.1016/s0168-1605(02)00254-4.

Delgado, S., Flórez, A. B., & Mayo, B. (2005). Antibiotic susceptibility of *Lactobacillus* and *Bifidobacterium* species from the human gastrointestinal tract. *Current Microbiology*, 50(4), 202–207. doi:10.1007/s00284-004-4431-3.

Departemen Kesehatan RI. Peraturan Menteri Kesehatan Republik Indonesia Nomor 2406/MENKES/PER/XII/2011 Tentang Pedoman Umum Penggunaan Antibiotik. 2011;1–64.

Doi, Y., Wachino, J., & Arakawa, Y. (2016). Aminoglycoside resistance. *Infectious Disease Clinics of North America*, 30(2), 523–537. doi:10.1016/j.idc.2016.02.011.

- Edgar, R.C. (2004). MUSCLE: a multiple sequence alignment method with reduced time and space complexity. *BMC Bioinformatics* **5**, 113. doi: 10.1186/1471-2105-5-113.
- European Food Safety Authority. (2018). Guidance on the characterization of microorganisms used as feed additives or as production organisms. *EFSA Journal* 2018;16(3):5206.
- FAO-WHO. (2002). Joint FAO/WHO working group report on drafting guidelines for the evaluation of probiotics in food. *Food and Agricultural Organization of the United Nations, Rome, Italy, and World Health Organization*, Geneva, Switzerland.
- Feng, C., Zhang, F., Wang, B., Gao, J., Wang, Y., & Shao, Y. (2018). Evaluation of kanamycin and neomycin resistance in *Lactobacillus plantarum* using experimental evolution and whole-genome sequencing. *Food Control*. doi:10.1016/j.foodcont.2018.11.030.
- Fernandez, B. A. (2013). Studi penggunaan antibiotik tanpa resep di Kabupaten Manggarai dan Manggarai Barat – NTT. *Jurnal Ilmiah Mahasiswa Universitas Surabaya*. 2(2): 9-10.
- Fitrianingthias, R.R.D.R., Utami, T., Widada, J., & Rahayu, E.S. (2018). Consumption of indigenous probiotic *Lactobacillus plantarum* Mut-7 powder and fecal population of *Lactobacillus*, *Bifidobacterium*, *Clostridium* and short chain fatty acids. *International Journal of Probiotics and Prebiotics*. 4: 143–150.
- Gueimonde, M., Sánchez, B., G. de los Reyes-Gavilán, C., & Margolles, A. (2013). Antibiotic resistance in probiotic bacteria. *Frontiers in Microbiology*, 4. doi:10.3389/fmicb.2013.00202.
- Gupta, S., Mohammed, M., Ghosh, T., Kanungo, S., Nair, G., & Mande, S. S. (2011). Metagenome of the gut of a malnourished child. *Gut Pathogens*, 3(1), 7. doi:10.1186/1757-4749-3-7.
- Guo, H., Pan, L., Li, L., Lu, J., Kwok, L., Menghe, B., Zhang, H., & Zhang, W. (2017). Characterization of antibiotic resistance genes from *Lactobacillus* isolated from traditional dairy products. *Journal of Food Science*, 82(3), 724–730. doi:10.1111/1750-3841.13645.
- Habboush, Y., & Guzman, N. (2019). Antibiotic resistance. In: StatPearls. Treasure Island (FL): *StatPearls Publishing*. PMID: 30020649.
- Harmita, & Radji, M. (2008). Buku Ajar Analisis Hayati, Edisi 3, pp. 125-9, Penerbit Buku Kedokteran EGC, Jakarta.
- Hiasa, H., & Shea, M. E. (2000). DNA gyrase-mediated wrapping of the dna strand is required for the replication fork arrest by the DNA gyrase-quinolone-DNA ternary complex. *Journal of Biological Chemistry*, 275(44), 34780–34786. doi:10.1074/jbc.m001608200.

- Hill, C., Guarner, F., Reid, G., Gibson, G. R., Merenstein, D. J., Pot, B., Morelli, L., Canani, R. B., Flint, H.J., Salminen, S., Calder, P. C., & Sanders, M. E. (2014). The international scientific association for probiotics and prebiotics consensus statement on the scope and appropriate use of the term probiotic. *Nature Reviews Gastroenterology & Hepatology*, 11(8), 506–514. doi:10.1038/nrgastro.2014.66.
- Hooper, D. C. (2000). Mechanisms of action and resistance of older and newer Fluoroquinolones. *Clinical Infectious Diseases*, 31(Supplement_2), S24–S28. doi:10.1086/314056.
- Hooper, D. C. (2014). Fluoroquinolones. [cited 2021 November 10]. Available from: www.uptodate.com.
- Hummel, A. S., Hertel, C., Holzappel, W. H., & Franz, C. M. A. P. (2006). Antibiotic resistances of starter and probiotic strains of lactic acid bacteria. *Applied and Environmental Microbiology*, 73(3), 730–739. doi:10.1128/aem.02105-06.
- International Dairy Federation and International Organization for Standardization. (2010). Milk and milk products-determination of the minimal inhibitory concentration (MIC) of antibiotics applicable to *Bifidobacteria* and non-*Enterococcal* lactic acid bacteria (LAB). ISO10932/IDF223 (pp. 1–31). IDF and ISO.
- Jacoby, G. A. (2005). Mechanisms of resistance to quinolones. *Clinical Infectious Diseases*, 41(Supplement_2), S120–S126. doi:10.1086/428052.
- Jia B, Raphenya AR, Alcock B, Waglechner N, Guo P, Tsang KK, Lago BA, Dave BM, Pereira S, Sharma AN, Doshi S, Courtot M, Lo R, Williams LE, Frye JG, Elsayegh T, Sardar D, Westman EL, Pawlowski AC, Johnson TA, Brinkman FS and Wright GD, McArthur AG. (2016). CARD 2017: Expansion and model-centric curation of the comprehensive antibiotic resistance database. *Nucleic Acids Research*, 45(D1), pp.D566-D573. doi:10.1093/nar/gkw1004.
- Kampranis, S. C., Bates, A. D., & Maxwell, A. (1999). A model for the mechanism of strand passage by DNA gyrase. *Proceedings of the National Academy of Sciences*, 96(15), 8414–8419. doi:10.1073/pnas.96.15.8414.
- Katla, A.-K., Kruse, H., Johnsen, G., & Herikstad, H. (2001). Antimicrobial susceptibility of starter culture bacteria used in Norwegian dairy products. *International Journal of Food Microbiology*, 67(1-2), 147–152. doi:10.1016/s0168-1605(00)00522-5.
- Kechagia, M., Basoulis, D., Konstantopoulou, S., Dimitriadi, D., Gyftopoulou, K., Skarmoutsou, N., & Fakiri, E. M. (2013). Health benefits of probiotics: a review. *ISRN Nutrition*, 2013, 1–7. doi:10.5402/2013/481651.
- Kementrian Kesehatan^c Republik Indonesia. (2011). Pedoman Umum Penggunaan

Antibiotik, 4-5, Kementrian Kesehatan RI, Jakarta.

- Khodaei, D., & Hamidi-Esfahani, Z. (2019). Influence of bioactive edible coatings loaded with *Lactobacillus plantarum* on physicochemical properties of fresh strawberries. *Postharvest Biology and Technology*, 156, 110944. doi:10.1016/j.postharvbio.2019.110944.
- Kim, K. S., Morrison, J. O., & Bayer, A. S. (1982). Deficient autolytic enzyme activity in antibiotic tolerant *Lactobacilli*. *Infection and Immunity*, 36, 582–585. doi: 10.1128/iai.36.2.582-585.1982.
- Kumar, S., Lekshmi, M., Parvathi, A., Ojha, M., Wenzel, N., & Varela, M. F. (2020). Functional and structural roles of the major facilitator superfamily bacterial multidrug efflux pumps. *Microorganisms*, 8(2), 266. doi:10.3390/microorganisms8020266.
- Kuroda, T., & Tsuchiya, T. (2009). Multidrug efflux transporters in the MATE family. *Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics*, 1794(5), 763–768. doi:10.1016/j.bbapap.2008.11.012.
- Kusakizako, T., Miyauchi, H., Ishitani, R., & Nureki, O. (2020). Structural biology of the multidrug and toxic compound extrusion superfamily transporters. *Biochimica et Biophysica Acta (BBA) - Biomembranes*, 1862(12), 183154. doi:10.1016/j.bbamem.2019.183154.
- Law, C. J., Maloney, P. C., & Wang, D.-N. (2008). Ins and outs of major facilitator superfamily antiporters. *Annual Review of Microbiology*, 62(1), 289–305. doi:10.1146/annurev.micro.61.080706.093329.
- Leclercq, R. (2002). Mechanisms of resistance to macrolides and lincosamides: nature of the resistance elements and their clinical implications. *Clinical Infectious Diseases*, 34(4), 482–492. doi:10.1086/324626.
- Levy, S. B. (1992). Active efflux mechanisms for antimicrobial resistance. *Antimicrobial Agents and Chemotherapy*, 36(4), 695–703. doi:10.1128/aac.36.4.695.
- Lowy, F. D. (2003). Antimicrobial resistance: the example of *Staphylococcus aureus*. *Journal of Clinical Investigation*, 111(9), 1265–1273. doi:10.1172/jci18535.
- Marchler-Bauer, A., Zheng, C., Chitsaz, F., Derbyshire, M. K., Geer, L. Y., Geer, R. C., Gonzales, N. R., Gwadz, M., Hurwitz, D. I., Lanczycki, C. J., Lu, F., Lu, S., Marchler, G. H., Song, J. S., Thanki, N., Yamashita, R. A., Zhang, D., & Bryant, S. H. (2012). CDD: conserved domains and protein three-dimensional structure. *Nucleic Acids Research*, 41(D1), D348–D352. doi:10.1093/nar/gks1243.
- Margus, T., Remm, M. & Tenson, T. (2007). Phylogenetic distribution of translational GTPases in bacteria. *BMC Genomics* 8(1), 15. doi: 10.1186/1471-2164-8-15.

- Mändar, R., Lõivukene, K., Hüftt, P., Karki, T., & Mikelsaar, M. (2001). Antibacterial Susceptibility of intestinal *Lactobacilli* of healthy children. *Scandinavian Journal of Infectious Diseases*, 33(5), 344–349. doi:10.1080/003655401750173940.
- Modi, S. R., Lee, H. H., Spina, C. S., & Collins, J. J. (2013). Antibiotic treatment expands the resistance reservoir and ecological network of the phage metagenome. *Nature*, 499(7457), 219–222. doi:10.1038/nature12212.
- Monahan, J. C. (2011). The FDA and generally recognized as safe (GRAS) substances. *Nova Science Publishers*, Hauppauge, NY.
- Ng, E. Y., Trucksis, M., & Hooper, D. C. (1996). Quinolone resistance mutations in topoisomerase IV: relationship to the *flqA* locus and genetic evidence that topoisomerase IV is the primary target and DNA gyrase is the secondary target of fluoroquinolones in *Staphylococcus aureus*. *Antimicrobial Agents and Chemotherapy*, 40(8), 1881–1888. doi:10.1128/aac.40.8.1881.
- Overbeek, R., Olson, R., Pusch, G. D., Olsen, G. J., Davis, J. J., Disz, T., Edwards, R. A., Gerdes, S., Parrello, P., Shukla, M., Vonstein, V., Wattam, A. R., Xia, F., & Stevens, R. (2013). The SEED and the rapid annotation of microbial genomes using subsystems technology (RAST). *Nucleic Acids Research*, 42(D1), D206–D214. doi:10.1093/nar/gkt1226.
- Pan, X.-S., & Fisher, L. M. (1998). DNA gyrase and topoisomerase iv are dual targets of clinafloxacin action in *Streptococcus pneumoniae*. *Antimicrobial Agents and Chemotherapy*, 42(11), 2810–2816. doi:10.1128/aac.42.11.2810.
- Pearson, W. R. (2013). An introduction to sequence similarity (“Homology”) searching. *Current Protocols in Bioinformatics*, 42(1), 3.1.1–3.1.8. doi:10.1002/0471250953.bi0301s42.
- Pratiwi, R. H. (2017). Mekanisme pertahanan bakteri patogen terhadap antibiotik. *Jurnal Pro-Life*, 4(3), 418-429. doi:10.33541/jpvol6Iss2pp102.
- Rahayu, E. S. (2003). Lactic acid bacteria in fermented foods of origin. *Agritech*, 23(2): 75-84. doi:10.22146/agritech.13515.
- Rahayu, E.S. & Purwandhani, S.N. (2004). Suplementasi *Lactobacillus acidophilus* SNP-2 pada tape dan pengaruhnya pada relawan. *Jurnal Teknologi dan Industri Pangan*, 15: 129-134.
- Rahayu, E. S., Rusdan, I. H., Athennia, A., Kamil, R. Z., Pramesi, P. C., Marsono, Y., Utami, T., & Widada, J. (2019). Safety assessment of indigenous probiotic strain *Lactobacillus plantarum* Dad-13 isolated from dadih using sprague dawley rats as a model. *American Journal of Pharmacology and Toxicology*, 14(1), 38–47. doi:10.3844/ajptsp.2019.38.47.
- Ratna, D. K., Evita, M.M., Utami, T., Cahyanto, M. N., Wikandari, R., & Rahayu, E. S. (2021). Indegenous lactic acid bacteria from halloumi cheese as a probiotic candidate of indonesian origin. *International Journal of Probiotics*

and Prebiotics, 16: 39–44. doi: 10.37290/ijpp2641-7197.16:39-44.

- Reuter, G. (2001). The *Lactobacillus* and *Bifidobacterium* microflora of the human intestine: composition and succession. *Current issues in intestinal microbiology*, 2(2), 43-53.
- Ruiz, J. (2003). Mechanisms of resistance to quinolones: target alterations, decreased accumulation and DNA gyrase protection. *Journal of Antimicrobial Chemotherapy*, 51(5), 1109–1117. doi:10.1093/jac/dkg222.
- Sagar, M. B., Lucast, L., & Doudna, J. A. (2004). Conserved but nonessential interaction of SRP RNA with translation factor EF-G. *RNA*, 10(5), 772–778. doi:10.1261/rna.5266504.
- Sánchez, B., Delgado, S., Blanco-Míguez, A., Lourenço, A., Gueimonde, M., & Margolles, A. (2016). Probiotics, gut microbiota, and their influence on host health and disease. *Molecular Nutrition & Food Research*, 61(1), 1600240. doi:10.1002/mnfr.201600240.
- Savelsbergh, A., Rodnina, M. V., & Wintermeyer, W. (2009). Distinct functions of elongation factor G in ribosome recycling and translocation. *RNA*, 15(5), 772–780. doi:10.1261/rna.1592509.
- Schwendicke, F., Dörfer, C., Kneist, S., Meyer-Lueckel, H., & Paris, S. (2014). Cariogenic effects of probiotic *Lactobacillus rhamnosus* GG in a dental biofilm model. *Caries Research*, 48(3), 186–192. doi:10.1159/000355907.
- Scott, K. P. (2002). The role of conjugative transposons in spreading antibiotic resistance between bacteria that inhabit the gastrointestinal tract. *Cellular and Molecular Life Sciences (CMLS)*, 59(12), 2071–2082. doi:10.1007/s000180200007.
- Segers, M. E., & Lebeer, S. (2014). Towards a better understanding of *Lactobacillus rhamnosus* GG - host interactions. *Microbial Cell Factories*, 13(Suppl 1), S7. doi:10.1186/1475-2859-13-s1-s7.
- Shao, Y., Zhang, W., Guo, H., Pan, L., Zhang, H., & Sun, T. (2015). Comparative studies on antibiotic resistance in *Lactobacillus casei* and *Lactobacillus plantarum*. *Food Control*, 50, 250–258. doi:10.1016/j.foodcont.2014.09.003.
- Sharma, P. C., Jain, A., & Jain, S. (2009). Fluoroquinolone antibacterials: a review on chemistry, microbiology and therapeutic prospects. *Acta Poloniae Pharmaceutica*, 66(6), 587-604.
- Sharma, P., Tomar, S. K., Sangwan, V., Goswami, P., & Singh, R. (2015). Antibiotic resistance of *Lactobacillus* sp. isolated from commercial probiotic preparations. *Journal of Food Safety*, 36(1), 38–51. doi:10.1111/jfs.12211.
- Shokryazdan, P., Sieo, C. C., Kalavathy, R., Liang, J. B., Alitheen, N. B., Faseleh Jahromi, M., & Ho, Y. W. (2014). Probiotic Potential of *Lactobacillus* strains

- with antimicrobial activity against some human pathogenic strains. *BioMed Research International*, 2014, 1–16. doi:10.1155/2014/927268.
- Sirichoat, A., Flórez, A. B., Vázquez, L., Buppasiri, P., Panya, M., Lulitanond, V., & Mayo, B. (2020). Antibiotic susceptibility profiles of lactic acid bacteria from the human vagina and genetic basis of acquired resistances. *International Journal of Molecular Sciences*, 21(7), 2594. doi:10.3390/ijms21072594.
- Srivastava, A., Singhal, N., Goel, M., Viridi, J. S., & Kumar, M. (2014). Identification of family specific fingerprints in β -Lactamase families. *The Scientific World Journal*, 2014, 1–7. doi:10.1155/2014/980572.
- Stanton, T. B., Matson, E. G., & Humphrey, S. B. (2001). *Brachyspira (Serpulina) hyodysenteriae gyrB* mutants and interstrain transfer of coumermycin a1 resistance. *Applied and Environmental Microbiology*, 67(5), 2037–2043. doi:10.1128/aem.67.5.2037-2043.2001.
- Sukmarini, L., Mustopa, A. Z., Normawati, M., & Muzdalifah, I. (2014). Identification of antibiotic-resistance genes from lactic acid bacteria in Indonesian fermented foods. *HAYATI Journal of Biosciences*, 21(3), 144–150. doi:10.4308/hjb.21.3.144.
- Tjay, T. H., & Rahardja, K. (2007). Obat-obat penting: khasiat, penggunaan dan efek-efek sampingnya. *Elex Media Komputindo*, Jakarta.
- Thomas, C. M., & Nielsen, K. M. (2005). Mechanisms of and barriers to, horizontal gene transfer between bacteria. *Nature Reviews Microbiology*, 3(9), 711–721. doi:10.1038/nrmicro1234.
- Van Reenen, C. A., & Dicks, L. M. T. (2010). Horizontal gene transfer amongst probiotic lactic acid bacteria and other intestinal microbiota: what are the possibilities? A review. *Archives of Microbiology*, 193(3), 157–168. doi:10.1007/s00203-010-0668-3.
- Wilson, K. S., & Nechifor, R. (2004). Interactions of translation factor *EF-G* with the bacterial ribosome before and after mRNA translocation. *Journal of Molecular Biology*, 337(1), 15–30. doi:10.1016/j.jmb.2004.01.013.
- Wilson, D. N., Hauryliuk, V., Atkinson, G. C., & O'Neill, A. J. (2020). Target protection as a key antibiotic resistance mechanism. *Nature Reviews Microbiology*. doi:10.1038/s41579-020-0386-z.
- Xiong, J. (2006). Essential bioinformatics. *Cambridge University Press*, Cambridge.
- Yenny, Y., & Herwana, E. (2007). Resistensi dari bakteri enterik: aspek global terhadap antimikroba. *Universa medicina*, 26(1), 46-56. doi:10.18051/UnivMed.2007.v26.46-56.
- Zhang, Y., Guo, X., Guo, J., He, Q., Li, H., Song, Y., & Zhang, H. (2014). *Lactobacillus casei* reduces susceptibility to type 2 diabetes via

microbiota-mediated body chloride ion influx. *Scientific Reports*, 4(1). doi:10.1038/srep05654.

Zhang, F., Gao, J., Wang, B., Huo, D., Wang, Z., Zhang, J., & Shao, Y. (2018). Whole-genome sequencing reveals the mechanisms for evolution of streptomycin resistance in *Lactobacillus plantarum*. *Journal of Dairy Science*, 101(4), 2867–2874. doi:10.3168/jds.2017-13323.

Zheng, J., Wittouck, S., Salvetti, E., Franz, C. M. A. P., Harris, H. M. B., Mattarelli, P., O'toole, P. W., Pot, B., Vandamme, P., Walter, J., Watanabe, K., Wuyts, S., Felis, G. E., Gänzle, M. G., & Lebeer, S. (2020). A taxonomic note on the genus *Lactobacillus*: Description of 23 novel genera, emended description of the genus *Lactobacillus* Beijerinck 1901, and union of *Lactobacillaceae* and *Leuconostocaceae*. *International Journal of Systematic and Evolutionary Microbiology*, 70(4), 2782–2858. doi:10.1099/ijsem.0.004107.