

DAFTAR PUSTAKA

- Amara, A. A. & Shibl, A. (2015). Role of probiotics in health improvement, infection control and diseases treatment and management. *Saudi Pharmaceutical Journal* 23(2): 1071-114. doi: <https://dx.doi.org/10.1016%2Fj.jsps.2013.07.001>
- Amoranto, M. B., Oh, J. K., Bagon, B., Kim, S. H., Hwang, I. C., Kang, D. K. *Genome analysis of Lactobacillus plantarum SK151 strain shows genes for bacteriocin and vitamin B2 production. Project: Genome analysis of Lactobacillus sp. For Probiotic Application.*
- Archibald, F. S. & Fridovich, I. (1982). Investigations of the state of the manganese in *Lactobacillus plantarum*. *Archives of Biochemistry and Biophysics* 215(2):598-596. doi: [https://doi.org/10.1016/0003-9861\(82\)90120-5](https://doi.org/10.1016/0003-9861(82)90120-5).
- Arena, M. P., Capozzi, V., Longo, A., Russo, P., Weidmann, S., Rieu, A., Guzzo, J., Spano, G., Fiocco, D. (2019). The phenotypic analysis of *Lactobacillus plantarum* shsp mutants reveals a potential role for hsp1 in cryotolerance. *Frontier Microbiology* 10:838. doi: <https://www.frontiersin.org/articles/10.3389/fmicb.2019.00838/full>
- Arrieta, M. C., Stiensma, L. T., Amenogbe, N., Brown, E. M. & Finlay, B. (2014). The intestinal microbiome in early life: health and disease. *Frontier Immunology* 5:427. doi: <https://doi.org/10.3389/fimmu.2014.00427>
- Barnese, K., Gralla, E. B., Cabelli, D. E. & Valentine, J. S. (2008). Manganese phosphate acts as a superoxide dismutase. *Journal of the American Chemical Society* 130(14):4604-4606. doi: <https://doi.org/10.1021/ja710162n>
- Barynin, V. V., Whittaker, M. M., Antonyuk, S. V., Lamzin, V. S., Harrison, P. M., Artymiuk, P. K. & Whittaker, J. W. (2001). Crystal structure of manganese catalase from *Lactobacillus plntarum*. *Structure* 9(8):725-738. Doi: 10.1016/S0969-2126(01)00628-1.
- Behera, S. S. & Ray, R. C. (2018). *Lactobacillus plantarum* with functional properties: an approach to increase safety and shelf-life of fermented foods. *BioMed Research International* 9361614. doi: <https://doi.org/10.1155/2018/9361614>
- Broojimans, R. J. W., de Vos, W. M. & Hugenholtz, J. (2020). *Lactobacillus plantarum* WCFS1 electron transport chain. *Applied and Environmental Microbiology* 75(11):3580-3585. doi: 10.1128/aem.00147-09
- Bove, P., Capozzi, V., Garofalo, C., Rieu, A., Spano, G. Flocco, D. (2012). Inactivation of the ftsH gene of *Lactobacillus plantarum* WCFS1: effects on growth, stress tolerance, cell surface properties and biofilm formation.

- Microbial Research* 167(4):187-193. doi: <https://doi.org/10.1016/j.micres.2011.07.001>
- Cstaldo, C., Siciliano, R. A., Muscariello, L., Marasco, R. & Sacco, M. (2006). CcpA affects expression of the groESL and dnaK operons in *Lactobacillus plantarum*. *Microbial Cell Factories* 5:35. doi: <https://doi.org/10.1186/1475-2859-5-35>.
- Chang, Z. (2016). The function of the DegP (HtrA) protein: Protease versus chaperone. *International Union of Biochemistry and Molecular Biology Life* 68(11):904-907 doi: <https://doi.org/10.1002/iub.1561>
- Cesselin, B., Derré-Bobillot, A., Fernandez, A., Lamberet, G., Lechardeur, D., & Yamamoto, Y. (2011). Responses of lactic acid bacteria to oxidative stress. *Stress Responses of Lactic Acid Bacteria* 111-127. doi: 10.1007/978-0-387-92771-8_6.
- de Crécy-Lagard, V. & Hanson, A. (2013). Comparative genomics. *Brenner's Encyclopedia of Genetics (Second Edition)* p 102-105. doi: <https://doi.org/10.1016/B978-0-12-374984-0.00299-0>
- Cui, y., Miao, K., Niyaphorn, S. & Qu, X. (2020). Production of gamma-aminobutyric acid from lactic acid bacteria: a systematic review. *International Journal of Molecular Sciences* 21(3):995. doi: <https://doi.org/10.3390/ijms21030995>.
- Culotta, V. C. & Daly, M. J. (2013). Manganese complexes: diverse metabolic routes to oxidative stress resistance in prokaryotes and yeast. *Antioxidants & Redox Signaling* 19(9):933-944. doi: 10.1089/ars.2012.5093.
- Derzelle, S., Hallet, B., Ferain, T., Delcour, J. & Hols, P. (2003). Improved adaptation to cold-shock, stationary-phase, and freezing stresses in *Lactobacillus plantarum* overproducing cold shock protein. *Applied and Environmental Microbiology* 29(7): 4285-4290. doi: <https://dx.doi.org/10.1128%2FAEM.69.7.4285-4290.2003>.
- Ekblom, R. & Wolf, J. B. W. (2014). A field guide to whole-genome sequencing, assembly and annotation. *Evolutionary Applications* 7(9): 1026-1042. doi: <https://dx.doi.org/10.1111%2Feva.12178>.
- Elsholz, A. K. W., Gerth, U. & Hecker, M. (2010). Regulation of CtsR activity in low GC, Gram+ bacteria. *Advances in Microbial Physiology* 57:119-144 doi: <https://doi.org/10.1016/b978-0-12-381045-8.00003-5>
- Felis, G. E. & Dellaglio, F. (2007). Taxonomy of lactobacilli and bifidobacterial. *Current Issues in Intestinal Microbiology* 8(2):44-61.
- Fenster, K., Freeburg, B., Hollard, C., Wong, C., Laursen, R. R., & Ouwehand, A. C. (2019). The production and delivery of probiotics: a review of a practical approach. doi: <https://dx.doi.org/10.3390%2Fmicroorganisms7030083>

- Ferain, T., Schanck, K. & Delcour, J. (1996). ^{13}C nuclear magnetic resonance analysis of glucose and citrate end products in an *ldbL-ldhD* double-knockout strain of *Lactobacillus plantarum*. *Journal of Bacteriol* 178:7211-7315. doi: <https://doi.org/10.1128/jb.178.24.7311-7315.1996>.
- Ferrando, V., Quiberoni, A., Reinhemer, J., Suarez, V. (2015). Resistance of functional *Lactobacillus plantarum* strains against food stress conditions. *Food Microbiology* 48:63-71. doi: <https://doi.org/10.1016/j.fm.2014.12.005>
- Fiocco, D., Capozzi, V., Collins, M., Gallone, A., Hols, P., Guzzo, J., Weidmann, S., Rieu, A., Msadek, T. & Spano, G. (2010). Characterization of the CtsR stress response regulon in *Lactobacillus plantarum*. *Journal of Bacteriology* 192(3): 896-900. doi: <https://doi.org/10.1128/JB.01122-09>.
- Food and Agricultural Organization of the United Nations and World Health Organization. (2002). *Guidelines for the Evaluation of Probiotics in Food*. Joint FAO/WHO Working Group Report on Drafting Guidelines for the Evaluation of Probiotics in Food. London, Ontario, Canada.
- Forrstén, S. D., Sindelar, C. W. & Ouwehand, A. C. (2011). Probiotics from an industrial perspective. *Anaerobe* 17: 410-413. doi: <https://doi.org/10.1016/j.anaerobe.2011.04.014>
- Fuduche, M., Dvidson, S., Boileau, C., Wu, L. F., Combet-Blanc, Y. (2019). A novel highly efficient device for growing micro-aerophilic microorganisms. *Frontiers in Microbiology* 10:534. doi: [10.3389/fmicb.2019.00534](https://doi.org/10.3389/fmicb.2019.00534)
- Ge, Q., Yang, B., Liu, R., Jiang, D., Yu, H., Wu, M. & Zhang, W. (2021). Antioxidant activity of *Lactobacillus plantarum* NJAU-01 in animal model of aging. *BMC Microbiology* 21:182. doi: <https://doi.org/10.1186/s12866-021-02248-5>
- Golicz, A. A., Bayer, P. E., Bhalla, P. L., Batley, J. & Edwards, D. (2019). Pangenomics comes of age: from bacteria to plant and animal applications. *Trends in Genetics*. doi: [10.1016/j.tig.2019.11.006](https://doi.org/10.1016/j.tig.2019.11.006)
- Guidone, A., Ianniello, R. G., Ricciardi, A., Zotta, T. & Parente, E. (2013). *World Journal of Microbiology and Biotechnology* 29:1713-1722; doi: [10.1007/s11274-013-1334-0](https://doi.org/10.1007/s11274-013-1334-0)
- Guo, Y., Tian, X., Huang, R., Tao, X., Shah, N., Wei, H. & Wang, C. (2017). A physiological comparative study of acid tolerance of *Lactobacillus plantarum* ZDY 2013 and *L. plantarum* ATCC 8014 at membrane and cytoplasm levels. *Annals of Microbiology* 67:669-677. doi: <https://doi.org/10.1007/s13213-017-1295-x>
- Hall, B. G., Acar, H., Nandipati, A. & Barlow, M. Growth rates made easy. *Molecular Biology and Evolution* 31(1):232-238. <https://doi.org/10.1093/molbev/mst187>

- Holt, J. G. (1994). *Bergey's Manual of Determinative Bacteriology*. Philadelphia: Lippincott Williams & Wilkins.
- Huang, R., Pan, M. Wan, C., Shah, N. P., Tao, X. & Wei, H. (2015). Physiological and transcriptional responses and cross protection of *Lactobacillus plantarum* ZDY2013 under acid stress. *Journal of Dairy Science* 99 (2): 1002-1010. doi: <https://doi.org/10.3168/jds.2015-9993>.
- Jesslyn, J. (2021). *Uji Pertumbuhan Isolat SU-KC1a pada Berbagai Substrat Prebiotik*. Undergraduate Thesis, Universitas Pelita Harapan.
- Jiang, B. & Moskovitz, J. (2018). The functions of the mammalian methionine sulfoxide reductase system and related diseases. *Antioxidants* 7(9):122. doi: <https://doi.org/10.3390/antiox7090122>.
- Kim, Y. (2021). *Identifikasi dan Karakterisasi Isolat SU-KC1a dari Air Susu Ibu*. Undergraduate Thesis, Universitas Pelita Harapan.
- Kilstrup M., Jacobsen, S., Hammer, K. & Vogensen, F. K. (1997). Induction of heat shock proteins DnaK, GroEl, and GroES by salt stress in *Lactococcus lactis*. *Applied and Environmental Microbiology Journal* 63(5):1826-1837.
- Kindangen, W. (2021). *Analisis Gen-gen Pemecah Karbohidrat Isolat SU-KC1a*. Undergraduate Thesis, Universitas Pelita Harapan.
- Kleerebezem, M., Boekhrost, J., van Kranenburg, R., Molenaar, D., Kuipers, O. P., Leer, R., Tarchini, R., Peters, S. A., Sandbrink, H. M., Giers, M. W. E. J., Stiekema, W., Lankhorst, R. M. K., Bron, P. A., Hoffer, S. M., Groot, M. N. N., Kerhoven, R., de Vries, M., Ursing, B., de Vos, W. M. & Siezen R. J. (2003). Complete genome sequence of *Lactobacillus plantarum* WCFS1. *Proceedings of the National Academy of Sciences of the United States America* 100(4):1990-1995. doi: 10.1073/pnas.0337704100.
- Kolmogorov, M., Yuan, J., Lin, Y. & Pevzner, P. A. (2019). Assembly of long, error-prone reads using repeat graphs. *Nature Biotechnology* 37: 540-546. doi: <https://doi.org/10.1038/s41587-019-0072-8>.
- Kvint, K., Nachin, L., Diez, A & Nyström, T. (2003). The bacterial universal stress protein: function and regulation. *Current Opinion in Microbiology* 6:140-145. doi: [https://doi.org/10.1016/s1369-5274\(03\)00025-0](https://doi.org/10.1016/s1369-5274(03)00025-0)
- Le Marrec, C. (2011). Responses of lactic acid bacteria to osmotic stress. In Tsakalidou, E., Papadimitrou, K. *Stress Responses of Lactic Acid Bacteria*. Boston: Springer.
- Liu, Y. W., Liang, M. T., & Tsai, Y. C. (2018). New perspectives of *Lactobacillus plantarum* as a probiotic: the gut-heart-brain axis. *Journal of Microbiology* 56(9):601-613 doi: <https://doi.org/10.1007/s12275-018-8079-2>
- Lorquet, F., Goffin, P., Muscariello, L., Baudry, J-B., Ladero, V., Sacco, M., Kleerebezem, M., & Hols, P. (2004). Characterization and functional analysis of the *poxB* gene which encodes pyruvate oxidase in *Lactobacillus*

- plantarum*. *Journal of Bacteriology* p. 3749-3759. doi: <http://dx.doi.org/10.1128/JB.186.12.3749-3759.2004>.
- Lu, Z. & Imlay, J. A. (2021). When anaerobes encounter oxygen: mechanisms of oxygen toxicity, tolerance and defence. *Nature Reviews Microbiology* 19:774-785. doi: <https://doi.org/10.1038/s41579-021-00583-y>.
- Luo, S. & Rodney, L. L. (2009). Methionine in proteins defends against oxidative stress. *The Journal of the Federation of American Societies for Experimental Biology* 23(2): 464-472. doi: <https://dx.doi.org/10.1096%2Ffj.08-118414>.
- Luschak V. I. (2012). Glutathione homeostasis and functions: potential target for medical interventions. *Journal of Amino Acid* 736837. doi: <https://dx.doi.org/10.1155%2F2012%2F736837>.
- Mack, D. R. (2005). Probiotics. *Canadian Family Physician* 51(11):1455-1457.
- Matias, A. C., Pedroso, N., Teodoro, N., Marinho, S., Antunes, F., Nogueira, J. M., Herrero, E., & Cyme, L. (2007). Down-regulation of fatty acid synthase increases the resistance of *Saccharomyces cerevisiae* cells to H₂O₂. *Free Radical Biology & Medicine* 43 (2007): 1458-1465. doi: <https://doi.org/10.1016/j.freeradbiomed.2007.08.003>
- Meier-Kolthoff, J. P., Klenk, H. P., Göker, M. (2014). Taxonomic use of DNA G + C content and DNA-DNA hybridization in the genomic age. *International Journal of Systematic and Evolutionary Microbiology* 64: 352-356. doi: <https://doi.org/10.1099/ijss.0.056994-0>.
- Mills, S., Stanton, C., Fitzgerald, G. F., Ross, R. P. (2011). Enhancing the stress responses of probiotics for a lifestyle from gut to product and back again. *Microbial Cell Factories* 10(1):S19. doi: <https://doi.org/10.1186/1475-2859-10-S1-S19>.
- Miyoshi, A., Rochat, T., Gratadoux, J. J., Loir, Y. L., Oliveira, S. C., Langella, P. & Azervedo, V. (2003). Oxidative stress in *Lactococcus lactis*. *Genetic and Molecular Research* 2(4):348-359.
- Moorthie, S., Mattocks, C. J., Wright, C. F., 2011. Review of massively parallel DNA sequencing technologies. *The HUGO Journal* 5(1-4):1-12. doi: <http://dx.doi.org/10.1007/s11568-011-9156-3>.
- Murphy, M .G. & Condon, S. (1984). Correlation of oxygen utilization and hydrogen peroxide accumulation with oxygen induced enzymes in *Lactobacillus plantarum* cultures. *Archives of Microbiology* 138:44-48. doi: <https://doi.org/10.1007/BF00425405>.
- Mustakim, M., Sinawat, S., Salleh, S. N., Purwati, E., Alias, R., Syed Mohammad, S. A. & Mat Issa, Z. (2020). Human milk as a potential source for isolation of probiotic lactic acid bacteria: a mini review. *Food Research* 4(2):274-285 doi: [http://dx.doi.org/10.26656/fr.2017.4\(2\).307](http://dx.doi.org/10.26656/fr.2017.4(2).307).

- Naraki, S., Igimi, S. & Sasaki, Y. (2020). NADH peroxidase plays a crucial role in consuming H₂O₂ in *Lactobacillus casei* IGM394. *Bioscience of Microbiota Food and Health* 39(2):45-56. Doi: <https://dx.doi.org/10.12938%2Fbmfh.19-027>
- Natasha, F. 2011. Identifikasi dan karakterisasi *Lactobacillus plantarum* dari tembolok ayam kampung. Skripsi: Universitas Pelita Harapan.
- Opal, S. M. & Pop-Vicas, A. (2020). Molecular mechanisms of antibiotic resistance in bacteria. In Bennet, J. E., Dolin, R., & Blaser, M. J. *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases, Ninth Edition*. Philadelphia: Elsevier
- Page, A. J., Cummins, C. A., Hunt, M., Wong, V. K., Reuer, S., Holden, M. T. G., Fookes, M., Falush, D., Keane, J. A. & Parkhill, J. Roary: rapid large-scale prokaryote pan genome analysis. *Bioinformatics* 31(22): 3691-3693.
- Papadimitriou, K. Alegria, A., Bron, P. A., de Angelis, M., Gobbetti, M., Kleerebezem, M., Lemos, J. A., Linares, D. M., Ross, P., Stanton, C., Turroni, F., van Sinderen, D., Varmanen, P., Ventura, M., Zuniga, M., Tsakalidou, E., Kok, J. (2016). Stress physiology of lactic acid bacteria. *Microbiology and Molecular Biology Reviews* 80(3):873-890. doi: <https://doi.org/10.1128/mmbr.00076-15>
- Pedersen, M. B., Gaudu, P., Lechardeur, D., Petit, M. A. & Gruss, A. (2012). Aerobic respiration metabolism in lactic acid bacteria and uses in biotechnology. *Annual Review of Food Science and Technology* 3:37-58. doi: <https://doi.org/10.1146/annurev-food-022811-101255>.
- Pesakhov, S., Benisty, R., Sikron, N., Cohen, Z., Gomelsky, P., Khozin-Goldberg, I., Dagan & R., Porat, N. (2007). Effect of hydrogen peroxide production and the fenton reaction on membrane composition of *Streptococcus pneumoniae*. *Biochimica et Biophysica Acta (BBA) – Biomembranes* 1768(3):590-597. doi: <https://doi.org/10.1016/j.bbamem.2006.12.016>
- Phadtare, S. (2004). Recent developments in bacterial cold-shock responses. *Current Issues in Molecular Biology* 6(2):125-136.
- Pranata, M. R. 2020. Resistensi antibiotik pada *Lactobacillus plantarum* strain F75. Skripsi, Universitas Pelita Harapan
- Rachmah, A. F. (2020). Isolasi dan identifikasi *Bifidobacterium sp.* Dari Air Susu Ibu. Skripsi, Universitas Pelita Harapan
- Ramalho, J. B., Soares, M. B., Spiazzi, C. C., Bicca, D. F., Soares, V. M., Pereira, J. G., da Silva, W. P., Sehn, C. P. & Cibin, F. W. S. (2019). In vitro probiotic and antioxidant potential of *Lactococcus lactis* subsp. *Cremoris* LL95 and its effect in mice behaviour. *Nutrients* 11(4): 901. doi: <https://dx.doi.org/10.3390%2Fnut11040901>.

- Sauer, R. T. & Baker, T. A. (2011). AAA+ proteases: ATP-fueled machines of protein destruction. *Annual Review Biochemical* 80:587-612. doi: 10.1146/annurev-biochem-060408-172623.
- Schäfer, H., Heinz, A., Sudzinová, P., Voß, M., Hantke, I., Krásny, L. & Turgay, K. (2018). Spx, the central regulator of the heat- and oxidative stress response in *B. subtilis*, can repress transcription of translation-related genes. *Molecular Microbiology*. doi: 10.1111/mmi.14171.
- Seddik, H. A., Bendali, F., Gancel, F., Fliss, I., Spano, G. & Drider, D. (2017). *Lactobacillus plantarum* and its probiotic and food potentialities. *Probiotics & Antimicrobial Protein* 9:111-122. doi: <https://doi.org/10.1007/s12602-017-9264-z>.
- Seeman, T. (2014). Prokka: rapid prokaryotic genome annotation. *Bioinformatics* 30(14): 2068-2069. doi: 10.1093/bioinformatics/btu153
- Serrazanetti, D. I., Gottardi, D., Montanari, C. & Gianotti, A. (2013). Dynamic stresses of lactic acid bacteria associated to fermentation processes. In Kongo, J. M. *Lactic Acid Bacteria, R&D for Food, Health, and Livestock Purposes*. London: Intechopen
- Siezen, R. J., Francke, C., Renckens, B., Boekhorst, J., Wels, M., Kleerebezem, M. & van Hijum, S. A. F. T. (2012). Complete resequencing and reannotation of the *Lactobacillus plantarum* WCFS1 genome. *Journal of Bacteriology* 194 (1): 195-196. doi: 10.1128/JB.06275-11.
- Sigler, K., Chaloupka, J., Brozmanova, J., Stadler N. & Hofer, M. (1999). Oxidative stress in microorganisms – I. *Journal Folia Microbiologica* 44(6): 587-624. doi: 10.1007/bf02825650
- Slager, J. & Veening, J. W. (2016). Hard-wired control of bacterial processes by chromosomal gene location. *Trends in Microbiology* 24(10):788-800. doi: <https://doi.org/10.1016/j.tim.2016.06.003>.
- Sousa-Lopes, A., Antunes, F., Cyrne, L. & Marinho, H. S. (2004). Decreased cellular permeability to H₂O₂ protects *Saccharomyces cerevisiae* cells in stationary phase against oxidative stress. *FEBS Letters* 578(1-2):152-156. doi: <https://doi.org/10.1016/j.febslet.2004.10.090>
- Spano, G., Beneduce, L., Perrotta, C. & Massa, S. (2005). Cloning and characterization of the hsp 18.55 gene, a new member of the small heat shock gene family isolated from wine *Lactobacillus plantarum*. *Research Microbiology* 156(2):219-224. doi: 10.1016/j.resmic.2004.09.014.
- ¹Stevens, M., Molenaar, D., de Jong, A. & De Vos, W. M. (2008) Involvement of the mannose phosphotransferase system of *Lactobacillus plantarum* WCFS1 in peroxide tolerance. *Applied and Environmental Microbiology* 76(11):3748-3752. doi: <http://dx.doi.org/10.1128/AEM.00073-10>.
- ²Stevens, M. J. A., Wiersma, A., de Vos, W. M., Kuipers, O. P., Smid, E. J. Molenaar, D., Kleerebezem, M. (2020) Improvement of *Lactobacillus*

- plantarum* aerobic growth as directed by comprehensive transcriptome analysis. *Applied and Environmental Microbiology* 74(15):4776-4778. doi: <https://doi.org/10.1128/AEM.00136-08>.
- Sugimoto, S., Al Mahin, A. & Sonomoto, K. Molecular chaperones in lactic acid bacteria: physiological consequences and biochemical properties. *Journal of Biosciences and Bioengineering* 196(4):324-326. doi: <https://doi.org/10.1263/jbb.106.324>
- Timotius, V. A. C. (2021). *Analisis Motif Imunoregulator DNA CpG, Gen Plantarisin, dan Gen Resistensi Mupirocin pada Genom Lactiplantibacillus plantarum*. Undergraduate Thesis, Universitas Pelita Harapan.
- Tong, Y., Zhai, Q., Wang, G., Zhang, Q., Liu, X., Tian, F., Zhao, J., Zhang, H. & Chen, W. System-wide analysis of manganese starvation-induced metabolism in key elements of *Lactobacillus plantarum*. *RSC Advances* 7:12959-12968. doi: <https://doi.org/10.1039/C7RA00072C>.
- Turgay, K. (2010). Role of proteolysis and chaperones in stress responses and regulation. In Storz, G. *Bacterial Stress Responses*, 2nd ed. Washington: ASM Press.
- Qiao, W., Liu, F., Wan, X., Qiao, Y., Li, R., Wu, Z., Saris, P. E. J. S., Xu H. & Qiao, M. (2022). Genomic features and construction of streamlined genome chassis of nisin Z producer *Lactococcus lactis* N8. *Microorganisms* 10(1):47. doi: <https://dx.doi.org/10.3390%2Fmicroorganisms10010047>.
- Quin, C., Estaki, M., Vollman, D. M., Barnett, J. A., Gill, S. K. & Gibson, D. L. (2018). Probiotic supplementation and associated infant gut microbiome and health: a cautionary retrospective clinical comparison. *Scientific Reports* 8:8283. doi: <https://doi.org/10.1038/s41598-018-26423-3>
- de Veen, H. V. B., Bongers, R., Wels, M., Bron, P. A. & Kleerebezem, M. (2013). Transcriptome signatures of class I and III stress responses deregulation in *Lactobacillus plantarum* reveal pleiotropic adaptation. *Microbial Cell Factories* 12:112. doi: <https://doi.org/10.1186/1475-2859-12-112>
- de Vrese, M. & Marteau, P. R. (2007). Probiotics and prebiotics: effects on diarrhea. *The Journal of Nutrition* 137:803S-811S. doi: <https://doi.org/10.1093/jn/137.3.803s>
- Watanabe, M., van der Veen, S., Nakajima, H. & Abee, T. (2012). Effects of respiration and manganese on oxidative stress resistance of *Lactobacillus plantarum* WCFS1. *Microbiology* 158: 293-300. doi: <https://doi.org/10.1099/mic.0.051250-0>.
- Wei, L. Liu, y. Dubchak, I., Shon, J. & Park, J. (2002). Comparative genomics approaches to study organism similarities and differences. *Journal of Biomedical Informatics* 35(2): 142-150. doi: [https://doi.org/10.1016/S1532-0464\(02\)00506-3](https://doi.org/10.1016/S1532-0464(02)00506-3).

- Wu, R., Song, X., Liu, Q., Ma, D., Xu, F., Wang, Q., Tang, X. & Wu, J. Gene expression of *Lactobacillus plantarum* FS5-5 in response to salt stress. (2016). *Annals of Microbiology* 66:1181-1188. doi: <https://doi.org/10.1007/s13213-016-1199-1>.
- Wituszyńska, W. & Karpiński, S. (2013). Programmed cell death as a response to high light, UV and drought. doi: <https://doi.org/10.5772/53127>.
- Xiao, L., Ding, G., Ding, Y., Deng, C., Ze, X., Chen, L., Zhang, Y., Song, L., Yan, H., Liu, F., & Ben, X. (2017). Effects of probiotics on digestibility and immunity in infants: A study protocol for a randomized controlled trial. *Medicine* 96(14):e5953. doi: <https://doi.org/10.1097/md.00000000000005953>
- Yao, W., Yang, L., Shao, Z., Lu, X. & Chen, L. (2020). Identification of salt tolerance-related genes of *Lactobacillus palntarum* D31 and T9 strains by genomic analysis. *Annals of Microbiology* 70:10. doi: <https://doi.org/10.1186/s13213-020-01551-2>.
- Yin, R., Kwoh, C. K., & Zheng, J. (2018). Whole genome sequencing analysis: computational pipelines and workflows in bioinformatics. *Reference Module in Life Sciences*. doi: 10.1016/b978-0-12-809633-8.20095-2
- Zhai, Z., Yang, Y., Wang, H., Wang, G., Ren, F., Li, Z., & Hao, Y. (2020). Global transcriptomic analysis of *Lactobacillus plantarum* CAUH2 in response to hydrogen peroxide stress. *Food Microbiology* 87: 103389. doi: <https://doi.org/10.1016/j.fm.2019.103389>.
- Zhang, X., Mushajiang, S., Luo, B., Tian, F., Ni, Y. & Yan, W. (2020). The composition and concordance of *Lactobacillus* populations of infant gut and the corresponding breast-milk and maternal gut. *Frontiers in Microbiology* 11. doi: <https://doi.org/10.3389/fmicb.2020.597911>
- 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., Ganzle, 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). doi: [10.1099/ijsem.0.004107](https://doi.org/10.1099/ijsem.0.004107).
- Zhou, L., Vorhölter, F. J., He, Y. Q., Jiang, B. L., Tang, J. L., Xu, Y., Pühler, A. & He, Y. W. (2011). Gene discovery by genome-wide CDS re-prediction and microarray-based transcriptional analysis in phytopathogen *Xanthomonas campestris*. *BMC Genomics* 12(359). doi: <https://doi.org/10.1186/1471-2164-12-359>
- Zotta, T., Parente, E. & Ricciardi, A. (2017). Aerobic metabolism in the genus *Lactobacillus*: impact on stress response and potential applications in the

food industry. Journal of Applied Microbiology 122(4):857-869. doi:
<https://doi.org/10.1111/jam.13399>.

