DAFTAR PUSTAKA

American Cancer Society. 2018. Global Cancer Facts & Figures 4 th Edition-Special section,the obesity epidemic. *Am. Cancer Soc.* 76.

Anwar, S.., S.J, H., Aryandono, T., Haryana, S.M. 2017. *micro-RNA: biogenesis, fungsi, dan perannya dalam proses karsinogenesis dan penatalaksanaan kanker*. Gadjah Mada University Press. Yogyakarta.

Arya, Manit & Shergill, Iqbal & Williamson, Magali & Gommersall, Lyndon & Arya, Neehar & Patel, Hitendra. 2005. Basic principles of real-time quantitative PCR. *Expert review of molecular diagnostics*. 5. 209-19. 10.1586/14737159.5.2.209.

Aversa, A., Donini, L. M., Bruzziches, R., LaCava, R., Mattace Raso, F., & Sinclair, A. 2014. Coordinating care aspects related to sexual health in the aging male. *International journal of endocrinology*, *2014*, 653587. https://doi.org/10.1155/2014/653587.

Bai, S., Cao, S., Jin, L., Kobelski, M., Schouest, B., Wang, X., ... & Vessella, R. L. 2019. A positive role of c-Myc in regulating androgen receptor and its splice variants in prostate cancer. *Oncogene*, *38*(25), 4977-4989.

Bobrie, A., Colombo, M., Raposo, G. and Théry, C. 2011. Exosome secretion: molecular mechanisms and roles in immune responses. *Traffic*, 12(12), pp.1659-1668.

Cao, Z., & Kyprianou, N. 2015. Mechanisms navigating the TGF-β pathway in prostate cancer. *Asian journal of urology*, *2*(1), 11–18. https://doi.org/10.1016/j.ajur.2015.04.011

Chen, H., Pan, H., Qian, Y., Zhou, W., & Liu, X. 2018. MiR-25-3p promotes the proliferation of triple negative breast cancer by targeting BTG2. *Molecular cancer*, *17*(1), 1-11.

Claudio, P. P., Zamparelli, A., Garcia, F. U., Claudio, L., Ammirati, G., Farina, A., & Giordano, A. 2002. Expression of cell-cycle-regulated proteins pRb2/p130, p107, p27kip1, p53, mdm-2, and Ki-67 (MIB-1) in prostatic gland adenocarcinoma. *Clinical Cancer Research*, *8*(6), 1808-1815.

Coppola, V., Musumeci, M., Patrizii, M., Cannistraci, A., Addario, A., Maugeri-Sacca, M., & Memeo, L. 2013. BTG2 loss and miR-21 upregulation contribute to prostate cell transformation by inducing luminal markers expression and epithelial–mesenchymal transition. *Oncogene*, *32*(14), 1843-1853.

De Marzo, A.M., Platz, E.A., Sutcliffe, S., Xu, J., Grönberg, H., Drake, C.G., Nakai, Y., Isaacs, W.B. and Nelson, W.G. 2007. Inflammation in prostate carcinogenesis. *Nature Reviews Cancer*, *7*(4), pp.256-269.

Descotes J. L. 2019. Diagnosis of prostate cancer. *Asian journal of urology*, *6*(2), 129–136. https://doi.org/10.1016/j.ajur.2018.11.007

Dimitra Karagkouni, Maria D Paraskevopoulou, Serafeim Chatzopoulos, Ioannis S Vlachos, Spyros Tastsoglou, Ilias Kanellos, Dimitris Papadimitriou, Ioannis Kavakiotis, Sofia Maniou, Giorgos Skoufos, Thanasis Vergoulis, Theodore Dalamagas, Artemis G Hatzigeorgiou. 2018. DIANA-TarBase v8: a decade-long collection of experimentally supported miRNA–gene interactions, *Nucleic Acids Research*, Volume 46, Issue D1, Pages D239–D245, https://doi.org/10.1093/nar/gkx1141

Dudley, W. N., Wickham, R., & Coombs, N. 2016. An introduction to survival statistics: Kaplan-Meier analysis. *Journal of the advanced practitioner in oncology*, *7*(1), 91.

Erekat, N. S. 2018. Apoptosis and its Role in Parkinson's Disease. *Exon Publications*, 65-82.

Fay, D. S., & Gerow, K. 2013. A biologist's guide to statistical thinking and analysis. *WormBook: the online review of C. elegans biology*, 1-54.

Feng, W., Dean, D. C., Hornicek, F. J., Shi, H., & Duan, Z. 2019. Exosomes promote pre-metastatic niche formation in ovarian cancer. *Molecular cancer*, *18*(1), 124.

Fournier, P. G., Juárez, P., Jiang, G., Clines, G. A., Niewolna, M., Kim, H. S., ... & Wells, C. D. 2015. The TGF-β signaling regulator PMEPA1 suppresses prostate cancer metastases to bone. *Cancer cell*, *27*(6), 809-821.

Fujita, K., & Nonomura, N. 2019. Role of Androgen Receptor in Prostate Cancer: A Review. *The world journal of men's health*, *37*(3), 288–295. https://doi.org/10.5534/wjmh.180040

Fujiwara, T., Uotani, K., Yoshida, A., Morita, T., Nezu, Y., Kobayashi, E., Yoshida, A., Uehara, T., Omori, T., Sugiu, K. and Komatsubara, T. 2017. Clinical significance of circulating miR-25-3p as a novel diagnostic and prognostic biomarker in osteosarcoma. *Oncotarget*, *8*(20), p.33375.

Genz, B., Coleman, M.A., Irvine, K.M. 2019. Overexpression of miRNA-25-3p inhibits Notch1 signaling and TGF-β-induced collagen expression in hepatic stellate cells. *Sci Rep* **9,** 8541. https://doi.org/10.1038/s41598-019-44865-1

GLOBOCAN. 2018. *Summary statistic 2018 Males & Females Both Sexes Population.* *https://gco.iarc.fr/*

Goh, C.L. and Eeles, R.A. 2014. Germline genetic variants associated with prostate cancer and potential relevance to clinical practice. In *Prostate Cancer Prevention* (pp. 9-26). Springer, Berlin, Heidelberg.

Hanahan, D. and Weinberg, R.A. 2017. Biological Hallmarks of Cancer. In Holland-Frei Cancer Medicine (eds R.C. Bast, W.N. Hait, D.W. Kufe, R.R. Weichselbaum, J.F. Holland, C.M. Croce, M. Piccart-Gebart, H. Wang, W.K. Hong and R.E. Pollock). doi:10.1002/9781119000822.hfcm002

Hudson, R. S., Yi, M., Esposito, D., Glynn, S. A., Starks, A. M., Yang, Y., ... & Stephens, R. M. 2013. MicroRNA-106b-25 cluster expression is associated with early disease recurrence and targets caspase-7 and focal adhesion in human prostate cancer. *Oncogene*, *32*(35), 4139-4147.

Karagkouni, D., Paraskevopoulou, M. D., Chatzopoulos, S., Vlachos, I. S., Tastsoglou, S., Kanellos, I., Papadimitriou, D., Kavakiotis, I., Maniou, S., Skoufos, G., Vergoulis, T., Dalamagas, T., & Hatzigeorgiou, A. G. 2018. DIANA-TarBase v8: a decade-long collection of experimentally supported miRNA-gene interactions. *Nucleic acids research*, *46*(D1), D239–D245. https://doi.org/10.1093/nar/gkx1141

Kiciński, M., Vangronsveld, J. and Nawrot, T.S. 2011. An epidemiological reappraisal of the familial aggregation of prostate cancer: a meta-analysis. *PloS one*, *6*(10).

Komite Penanggulangan Kanker Nasional. 2017. *Pedoman Nasional Pelayanan Kedokteran Kanker Prostat*.

Kulkarni M. M. 2011. Digital multiplexed gene expression analysis using the NanoString nCounter system. *Current protocols in molecular biology*, *Chapter 25*, Unit25B.10. https://doi.org/10.1002/0471142727.mb25b10s9

Labrecque, M. P., Takhar, M. K., Nason, R., Santacruz, S., Tam, K. J., Massah, S., Haegert, A., Bell, R. H., Altamirano-Dimas, M., Collins, C. C., Lee, F. J., Prefontaine, G. G., Cox, M. E., & Beischlag, T. V. 2016. The retinoblastoma protein regulates hypoxia-inducible genetic programs, tumor cell invasiveness and neuroendocrine differentiation in prostate cancer cells. *Oncotarget*, *7*(17), 24284–24302. https://doi.org/10.18632/oncotarget.8301.

Lefort, K., Ostano, P., Mello-Grand, M., Calpini, V., Scatolini, M., Farsetti, A., Dotto, G. P., & Chiorino, G. 2016. Dual tumor suppressing and promoting function of Notch1 signaling in human prostate cancer. *Oncotarget*, *7*(30), 48011–48026. https://doi.org/10.18632/oncotarget.10333

Li, Z., Sun, Y., Chen, X., Squires, J., Nowroozizadeh, B., Liang, C., & Huang, J. 2015. p53 mutation directs AURKA overexpression via miR-25 and FBXW7 in prostatic small cell neuroendocrine carcinoma. *Molecular Cancer Research*, *13*(3), 584-591.

Lim, M., Kim, C. J., Sunkara, V., Kim, M. H., & Cho, Y. K. 2018. Liquid biopsy in lung cancer: clinical applications of circulating biomarkers (CTCs and ctDNA). *Micromachines*, *9*(3), 100.

Liu, F., Cheng, L., Xu, J., Guo, F., & Chen, W. 2018. miR-17-92 functions as an oncogene and modulates NF-κB signaling by targeting TRAF3 in MGC-803 human gastric cancer cells. *International journal of oncology*, *53*(5), 2241-2257.

Livak, K. J., & Schmittgen, T. D. 2001. Analysis of relative gene expression data using real-time quantitative PCR and the 2− ΔΔCT method. *methods*, *25*(4), 402-408.

Maia, J., Caja, S., Strano Moraes, M. C., Couto, N., & Costa-Silva, B. 2018. Exosome-Based Cell-Cell Communication in the Tumor Microenvironment. *Frontiers in cell and developmental biology*, *6*, 18. https://doi.org/10.3389/fcell.2018.00018

Mattox, A. K., Bettegowda, C., Zhou, S., Papadopoulos, N., Kinzler, K. W., & Vogelstein, B. 2019. Applications of liquid biopsies for cancer. *Science translational medicine*, *11*(507).

McConnell, Beth & Yang, Vincent. 2010. Mammalian Kruppel-Like Factors in Health and Diseases. Physiological reviews. 90. 1337-81. 10.1152/physrev.00058.2009.

Molinari, Francesca & Frattini, Milo. (2013). Functions and Regulation of the PTEN Gene in Colorectal Cancer. Frontiers in oncology. 3. 326. 10.3389/fonc.2013.00326.

Mottet, N., Bellmunt, J., Briers, E., Bolla, M., Bourke, L., & Cornford, P. 2017. EAU-ESTRO-ESUR-SIOG guidelines on prostate cancer. *European Association of Urology*, 146.

NanoString. 2017. Gene Expression Data Analysis Guidelines. NanoString Technologies, Inc.

NanoString. 2018. nCounter® miRNA Expression AssayUser Manual. https://www.nanostring.com/

Narrandes S, Xu W. 2018. Gene Expression Detection Assay for Cancer Clinical Use. *J Cancer*. Jun 5;9(13):2249-2265. doi: 10.7150/jca.24744.

Narrandes, S., & Xu, W. 2018. Gene expression detection assay for cancer clinical use. *Journal of Cancer*, *9*(13), 2249.

National Cancer Institute. 2005 & 2016. New Treatment Target Identified for Key Prostate Cancer Driver. https://www.cancer.gov/

O'Brien, J., Hayder, H., Zayed, Y., & Peng, C. 2018. Overview of MicroRNA Biogenesis, Mechanisms of Actions, and Circulation. *Frontiers in endocrinology*, *9*, 402. https://doi.org/10.3389/fendo.2018.00402

Ozaki T, Nakagawara A. Role of p53 in Cell Death and Human Cancers. *Cancers (Basel)*. 2011;3(1):994-1013. Published 2011 Mar 3. doi:10.3390/cancers3010994

Palmirotta, R., Lovero, D., Cafforio, P., Felici, C., Mannavola, F., Pellè, E., ... & Silvestris, F. (2018). Liquid biopsy of cancer: a multimodal diagnostic tool in clinical oncology. *Therapeutic advances in medical oncology*, *10*, 1758835918794630.

Pasche, B., Pennison, M. J., Jimenez, H., & Wang, M. 2014. TGFBR1 and cancer susceptibility. *Transactions of the American Clinical and Climatological Association*, *125*, 300–312.

Poliseno, L., Salmena, L., Riccardi, L., Fornari, A., Song, M. S., Hobbs, R. M & Rameh, L. 2010. Identification of the miR-106b~ 25 microRNA cluster as a proto-oncogenic PTEN-targeting intron that cooperates with its host gene MCM7 in transformation. *Science signaling*, *3*(117), ra29-ra29.

Properzi, F., Logozzi, M. and Fais, S. 2013. Exosomes: the future of biomarkers in medicine. *Biomarkers in medicine*, *7*(5), pp.769-778. https://doi.org/10.2217/bmm.13.63

Rennie, W., Kanoria, S., Liu, C., Mallick, B., Long, D., Wolenc, A & Ding, Y. 2016. STarMirDB: a database of microRNA binding sites. *RNA biology*, *13*(6), 554-560.

Sárközy, M., Kahán, Z. and Csont, T. 2018. A myriad of roles of miR-25 in health and disease. *Oncotarget*, *9*(30), p.21580. doi:10.18632/oncotarget.24662

Sirma, H., Broemel, M., Stumm, L., Tsourlakis, T., Steurer, S., Tennstedt, P., ... & Sauter, G. 2013. Loss of CDKN1B/p27Kip1 expression is associated with ERG fusion- negative prostate cancer, but is unrelated to patient prognosis. *Oncology letters*, *6*(5), 1245-1252.

Tsui, K. H., Chiang, K. C., Lin, Y. H., Chang, K. S., Feng, T. H., & Juang, H. H. 2018. BTG2 is a tumor suppressor gene upregulated by p53 and PTEN in human bladder carcinoma cells. *Cancer medicine*, *7*(1), 184-195.

Valera, V. A., Parra-Medina, R., Walter, B. A., Pinto, P., & Merino, M. J. 2020. microRNA Expression Profiling in Young Prostate Cancer Patients. *Journal of Cancer*, *11*(14), 4106.

Valera, V. A., Parra-Medina, R., Walter, B. A., Pinto, P., & Merino, M. J. 2020. microRNA Expression Profiling in Young Prostate Cancer Patients. *Journal of Cancer*, *11*(14), 4106–4114. https://doi.org/10.7150/jca.37842

Vanacore, D., Boccellino, M., Rossetti, S., Cavaliere, C., D'Aniello, C., Di Franco, R., Romano, F. J., Montanari, M., La Mantia, E., Piscitelli, R., Nocerino, F.,

Cappuccio, F., Grimaldi, G., Izzo, A., Castaldo, L., Pepe, M. F., Malzone, M. G., Iovane, G., Ametrano, G., Stiuso, P., Facchini, G. 2017. Micrornas in prostate cancer: an overview. *Oncotarget*, *8*(30), 50240–50251. https://doi.org/10.18632/oncotarget.16933

Vasanwala, F. F., Wong, M., Ho, H., & Foo, K. T. 2017. Benign prostatic hyperplasia and male lower urinary symptoms: A guide for family physicians. *Asian journal of urology*, *4*(3), 181–184. https://doi.org/10.1016/j.ajur.2017.05.003

Ventura, E., Pentimalli, F., & Giordano, A. 2018. RBL2/p130: a direct AKT substrate and mediator of AKT inhibition-induced apoptosis. *Oncoscience*, *5*(11-12), 278

Vickman, R. E., Franco, O. E., Moline, D. C., Vander Griend, D. J., Thumbikat, P., & Hayward, S. W. 2019. The role of the androgen receptor in prostate development and benign prostatic hyperplasia: A review. *Asian Journal of Urology*

Vlachos, I. S., Zagganas, K., Paraskevopoulou, M. D., Georgakilas, G., Karagkouni, D., Vergoulis, T., Dalamagas, T., & Hatzigeorgiou, A. G. 2015. DIANA-miRPath v3.0: deciphering microRNA function with experimental support. *Nucleic acids research*, *43*(W1), W460–W466. https://doi.org/10.1093/nar/gkv403

Wang, J., Place, R. F., Huang, V., Wang, X., Noonan, E. J., Magyar, C. E., Huang, J., & Li, L. C. 2010. Prognostic value and function of KLF4 in prostate cancer: RNAa and vector-mediated overexpression identify KLF4 as an inhibitor of tumor cell growth and migration. *Cancer research*, *70*(24), 10182–10191. https://doi.org/10.1158/0008-5472.CAN-10-2414

Wong N, Chen Y, Chen S, Wang X. 2018. OncomiR: an online resource for exploring pan-cancer microRNA dysregulation. *Bioinformatics*, 34(4):713-715.

Yeh, C. H., Bellon, M., & Nicot, C. 2018. FBXW7: a critical tumor suppressor of human cancers. *Molecular cancer*, *17*(1), 115.

Yuniati, L., Scheijen, B., van der Meer, L. T., & van Leeuwen, F. N. 2019. Tumor suppressors BTG1 and BTG2: Beyond growth control. *Journal of cellular physiology*, *234*(5), 5379-5389.

Zhao H, Ma TF, Lin J, Liu LL, Sun WJ, Guo LX, Wang SQ, Otecko NO, Zhang YP. 2018. Identification of valid reference genes for mRNA and microRNA normalisation in prostate cancer cell lines. *Scientific reports*. Jan 31;8(1):1949.

Zoni, E., van der Horst, G., van de Merbel, A. F., Chen, L., Rane, J. K., Pelger, R. C., Collins, A. T., Visakorpi, T., Snaar-Jagalska, B. E., Maitland, N. J., & van der Pluijm, G. 2015. miR-25 Modulates Invasiveness and Dissemination of Human Prostate Cancer Cells via Regulation of αv- and α6-Integrin Expression. *Cancer research*, *75*(11), 2326–2336. https://doi.org/10.1158/0008-5472.CAN-14-2155