

## Supplementary references

1. Zhou L, He H, Mi JX, Li C, Lee B, Mi QS. MicroRNA genes. *Ann N Y Acad Sci* 2008;1150:72-5.
2. de Almeida R. Beyond genome wide association studies in celiac disease by exploring the non-coding genome [master's thesis]. Groningen: University of Groningen; 2015.
3. Baulina NM, Kulakova OG, Favorova OO. MicroRNAs: the role in autoimmune inflammation. *Acta Naturae* 2016;8:21-33.
4. Naqvi AR, Zhong S, Dang H, Fordham JB, Nares S, Khan A. Expression profiling of LPS responsive miRNA in primary human macrophages. *J Microb Biochem Technol* 2016;8:136-43.
5. Balasa B, Van Gunst K, Sarvetnick N. The microbial product lipopolysaccharide confers diabetogenic potential on the T cell repertoire of BDC2.5/NOD mice: implications for the etiology of autoimmune diabetes. *Clin Immunol* 2000;95:93-8.
6. Chen W, Tan K, Huang J, Yu X, Peng W, Chen Y, Lin X, Chen D, Dai Y. Analysis of microRNAs in patients with systemic lupus erythematosus, using Solexa deep sequencing. *Connect Tissue Res* 2014;55:187-96.
7. Fu Y, Yi Z, Li J, Li R. Deregulated microRNAs in CD4+ T cells from individuals with latent tuberculosis versus active tuberculosis. *J Cell Mol Med* 2014;18:503-13.
8. Soronen J, Yki-Jarvinen H, Zhou Y, Sadenvirta S, Sarin AP, Leivonen M, Sevastianova K, Perttila J, Laurila PP, Sigruener A, Schmitz G, Olkkonen VM. Novel hepatic microRNAs upregulated in human nonalcoholic fatty liver disease. *Physiol Rep* 2016;4:e12661.
9. Luo Q, Zhang L, Li X, Fu B, Deng Z, Qing C, Su R, Xu J, Guo Y, Huang Z, Li J. Identification of circular RNAs hsa\_circ\_0044235 in peripheral blood as novel biomarkers for rheumatoid arthritis. *Clin Exp Immunol* 2018;194:118-24.
10. Bolmeson C, Esguerra JL, Salehi A, Speidel D, Eliasson L, Cilio CM. Differences in islet-enriched miRNAs in healthy and glucose intolerant human subjects. *Biochem Biophys Res Commun* 2011;404:16-22.
11. Otaegui D, Baranzini SE, Armananzas R, Calvo B, Munoz-Cull M, Khankhanian P, Inza I, Lozano JA, Castillo-Trivino T, Asensio A, Olaskoaga J, Lopez de Munain A. Differential micro RNA expression in PBMC from multiple sclerosis patients. *PLoS One* 2009;4:e6309.
12. Paraskevi A, Theodoropoulos G, Papaconstantinou I, Mantzaris G, Nikiteas N, Gazouli M. Circulating microRNA in inflammatory bowel disease. *J Crohns Colitis* 2012;6:900-4.
13. Cerda-Olmedo G, Mena-Duran AV, Monsalve V, Oltra E. Identification of a microRNA signature for the diagnosis of fibromyalgia. *PLoS One* 2015;10:e0121903.
14. Dolati S, Ahmadi M, Aghebi-Maleki L, Nikmaram A, Marofi F, Rikhtegar R, Ayromlou H, Yousefi M. Nanocurcumin is a potential novel therapy for multiple sclerosis by influencing inflammatory mediators. *Pharmacol Rep* 2018;70:1158-67.
15. Lu MC, Lai NS, Chen HC, Yu HC, Huang KY, Tung CH, Huang HB, Yu CL. Decreased microRNA(miR)-145 and increased miR-224 expression in T cells from patients with systemic lupus erythematosus involved in lupus immunopathogenesis. *Clin Exp Immunol* 2013;171:91-9.
16. Navarro-Quiroz E, Pacheco-Lugo L, Navarro-Quiroz R, Lorenzi H, Espana-Puccini P, Diaz-Olmos Y, Almendrals L, Olave V, Gonzalez-Torres H, Diaz-Perez A, Dominguez A, Iglesias A, Garcia R, Aroca-Martinez G. Profiling analysis of circulating microRNA in peripheral blood of patients with class IV lupus nephritis. *PLoS One* 2017;12:e0187973.
17. Long H, Wang X, Chen Y, Wang L, Zhao M, Lu Q. Dysregulation of microRNAs in autoimmune diseases: pathogenesis, biomarkers and potential therapeutic targets. *Cancer Lett* 2018;428:90-103.
18. Nakaoka H, Hirono K, Yamamoto S, Takasaki I, Takahashi K, Kinoshita K, Takasaki A, Nishida N, Okabe M, Ce W, Miyao N, Saito K, Ibuki K, Ozawa S, Adachi Y, Ichida F. MicroRNA-145-5p and microRNA-320a encapsulated in endothelial microparticles contribute to the progression of vasculitis in acute Kawasaki disease. *Sci Rep* 2018;8:1016.
19. Li R, Shen Q, Wu N, He M, Liu N, Huang J, Lu B, Yao Q, Yang Y, Hu R. MiR-145 improves macrophage-mediated inflammation through targeting Arf6. *Endocrine* 2018;60:73-82.
20. Pekow JR, Dougherty U, Mustafi R, Zhu H, Kocherginsky M, Rubin DT, Hanauer SB, Hart J, Chang EB, Fichera A, Joseph LJ, Bissonnette M. miR-143 and miR-145 are downregulated in ulcerative colitis: putative regulators of inflammation and protooncogenes. *Inflamm Bowel Dis* 2012;18:94-100.

21. Mansouri L, Lundwall K, Moshfegh A, Jacobson SH, Lundahl J, Spaak J. Vitamin D receptor activation reduces inflammatory cytokines and plasma microRNAs in moderate chronic kidney disease: a randomized trial. *BMC Nephrol* 2017;18:161.
22. Duttagupta R, DiRenzo S, Jiang R, Bowers J, Gollub J, Kao J, Kearney K, Rudolph D, Dawany NB, Showe MK, Stamato T, Getts RC, Jones KW. Genome-wide maps of circulating miRNA biomarkers for ulcerative colitis. *PLoS One* 2012;7:e31241.
23. Hamar P. Role of regulatory micro RNAs in type 2 diabetes mellitus-related inflammation. *Nucleic Acid Ther* 2012;22:289-94.
24. van de Bunt M, Gaulton KJ, Parts L, Moran I, Johnson PR, Lindgren CM, Ferrer J, Gloyn AL, McCarthy MI. The miRNA profile of human pancreatic islets and beta-cells and relationship to type 2 diabetes pathogenesis. *PLoS One* 2013;8:e55272.
25. Ogata Y, Matsui S, Kato A, Zhou L, Nakayama Y, Takai H. MicroRNA expression in inflamed and noninflamed gingival tissues from Japanese patients. *J Oral Sci* 2014;56:253-60.
26. De Silva N, Samblas M, Martinez JA, Milagro FI. Effects of exosomes from LPS-activated macrophages on adipocyte gene expression, differentiation, and insulin-dependent glucose uptake. *J Physiol Biochem* 2018;74:559-68.
27. Burenbatu, Borjigin M, Eerdunduleng, Huo W, Gong C, Hasengaowa, Zhang G, Longmei, Li M, Zhang X, Sun X, Yang J, Wang S, Narisu N, Liu Y, Bai H. Profiling of miRNA expression in immune thrombocytopenia patients before and after Qishunbaolier (QS-BLE) treatment. *Biomed Pharmacother* 2015;75:196-204.
28. Fasseu M, Treton X, Guichard C, Pedruzzi E, Cazals-Hatem D, Richard C, Aparicio T, Daniel F, Soule JC, Moreau R, Bouhnik Y, La-burthe M, Groyer A, Ogier-Denis E. Identification of restricted subsets of mature microRNA abnormally expressed in inactive colonic mucosa of patients with inflammatory bowel disease. *PLoS One* 2010;5:e13160.
29. Dai R, McReynolds S, Leroith T, Heid B, Liang Z, Ahmed SA. Sex differences in the expression of lupus-associated miRNAs in splenocytes from lupus-prone NZB/WF1 mice. *Biol Sex Differ* 2013;4:19.
30. Deng G, Yu S, He Y, Sun T, Liang W, Yu L, Xu D, Li Q, Zhang R. MicroRNA profiling of platelets from immune thrombocytopenia and target gene prediction. *Mol Med Rep* 2017;16:2835-43.