1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

REFERENCE

1. Suzuki, S. R., Kuno, A. & Ozaki, H. [Cell-to-cell interaction analysis of prognostic ligand-receptor pairs in human pancreatic ductal adenocarcinoma](https://doi.org/10.1016/j.bbrep.2021.101126). *Biochemistry and Biophysics Reports* **28,** 101126 (2021).

2. Yoshihara, M., Nishino, T., Yadav, M. K., Kuno, A., Nagata, T., Ando, H. & Takahashi, S. [Mathematical analysis of the effect of portal vein cells on biliary epithelial cell differentiation through the delta-notch signaling pathway](https://doi.org/10.1186/s13104-021-05656-y). *BMC research notes* **14,** (2021).

3. Okada, R., Fujita, S.-I., Suzuki, R., Hayashi, T., Tsubouchi, H., Kato, C., Sadaki, S., Kanai, M., Fuseya, S., Inoue, Y., Jeon, H., Hamada, M., Kuno, A., Ishii, A., Tamaoka, A., Tanihata, J., Ito, N., Shiba, D., Shirakawa, M., Muratani, M., Kudo, T. & Takahashi, S. [Transcriptome analysis of gravitational effects on mouse skeletal muscles under microgravity and artificial 1 g onboard environment](https://doi.org/10.1038/s41598-021-88392-4). *Scientific Reports* **11,** (2021).

4. Osawa, Y., Murata, K., Usui, M., Kuba, Y., Le, H. T., Mikami, N., Nakagawa, T., Daitoku, Y., Kato, K., Shawki, H. H., Ikeda, Y., Kuno, A., Morimoto, K., Tanimoto, Y., Dinh, T. T. H., Yagami, K.-I., Ema, M., Yoshida, S., Takahashi, S., Mizuno, S. & Sugiyama, F. [Exoc1 plays an integral role in spermatogonia pseudopod elongation and spermatocyte stable syncytium formation in mice](https://doi.org/10.7554/eLife.59759). *eLife* **10,** (2021).

5. Susaki, E. A., Shimizu, C., Kuno, A., Tainaka, K., Li, X., Nishi, K., Morishima, K., Ono, H., Ode, K. L., Saeki, Y., Miyamichi, K., Isa, K., Yokoyama, C., Kitaura, H., Ikemura, M., Ushiku, T., Shimizu, Y., Saito, T., Saido, T. C., Fukayama, M., Onoe, H., Touhara, K., Isa, T., Kakita, A., Shibayama, M. & Ueda, H. R. [Versatile whole-organ/body staining and imaging based on electrolyte-gel properties of biological tissues](https://doi.org/10.1038/s41467-020-15906-5). *Nature Communications* **11,** (2020).

6. Usui, T., Morito, N., Shawki, H. H., Sato, Y., Tsukaguchi, H., Hamada, M., Jeon, H., Yadav, M. K., Kuno, A., Tsunakawa, Y., Okada, R., Ojima, T., Kanai, M., Asano, K., Imamura, Y., Koshida, R., Yoh, K., Usui, J., Yokoi, H., Kasahara, M., Yoshimura, A., Muratani, M., Kudo, T., Oishi, H., Yamagata, K. & Takahashi, S. [Transcription factor MafB in podocytes protects against the development of focal segmental glomerulosclerosis](https://doi.org/10.1016/j.kint.2020.02.038). *Kidney International* **98,** (2020).

7. Deng, Z., Matsumoto, Y., Kuno, A., Ojima, M., Xiafukaiti, G. & Takahashi, S. [An inducible diabetes mellitus murine model based on mafb conditional knockout under mafa-deficient condition](https://doi.org/10.3390/ijms21165606). *International Journal of Molecular Sciences* **21,** (2020).

8. Chang, Y.-H., Katoh, M. C., Abdellatif, A. M., Xiafukaiti, G., Elzeftawy, A., Ojima, M., Mizuno, S., Kuno, A. & Takahashi, S. [Uncovering the role of MAFB in glucagon production and secretion in pancreatic α-cells using a new α-cell-specific mafb conditional knockout mouse model](https://doi.org/10.1538/expanim.19-0105). *Experimental Animals* **69,** (2020).

9. Fujino, M., Tagami, A., Ojima, M., Mizuno, S., Abdellatif, A. M., Kuno, A. & Takahashi, S. [C-MAF deletion in adult C57BL/6J mice induces cataract formation and abnormal differentiation of lens fiber cells](https://doi.org/10.1538/expanim.19-0137). *Experimental Animals* **69,** (2020).

10. Kuno, A., Mizuno, S. & Takahashi, S. [KOnezumi: A web application for automating gene disruption strategies to generate knockout mice](https://doi.org/10.1093/bioinformatics/btz090). *Bioinformatics* **35,** (2019).

11. Xiafukaiti, G., Maimaiti, S., Ogata, K., Kuno, A., Kudo, T., Shawki, H. H., Oishi, H. & Takahashia, S. [MafB is important for pancreatic -cell maintenance under a MafA-deficient condition](https://doi.org/10.1128/MCB.00080-19). *Molecular and Cellular Biology* **39,** (2019).

12. Shawki, H. H., Ishikawa-Yamauchi, Y., Kawashima, A., Katoh, Y., Matsuda, M., Al-Soudy, A.-S., Minisy, F. M., Kuno, A., Gulibaikelamu, X., Hirokawa, T., Takahashi, S. & Oishi, H. [EFCAB2 is a novel calcium-binding protein in mouse testis and sperm](https://doi.org/10.1371/journal.pone.0214687). *PLoS ONE* **14,** (2019).

13. Chang, Y.-H., Nishimura, S., Oishi, H., Kelly, V. P., Kuno, A. & Takahashi, S. [TRMT2A is a novel cell cycle regulator that suppresses cell proliferation](https://doi.org/10.1016/j.bbrc.2018.11.104). *Biochemical and Biophysical Research Communications* **508,** (2019).

14. Katoh, M. C., Jung, Y., Ugboma, C. M., Shimbo, M., Kuno, A., Basha, W. A., Kudo, T., Oishi, H. & Takahashib, S. [MafB is critical for glucagon production and secretion in mouse pancreatic α cells in vivo](https://doi.org/10.1128/MCB.00504-17). *Molecular and Cellular Biology* **38,** (2018).

15. Wakui, H., Fuseya, S., Suzuki, R., Shimbo, M., Okada, R., Hamada, M., Kuno, A., Hagiwara, K., Sato, T., Narimatsu, H., Kudo, T. & Takahashi, S. [Incomplete clearance of apoptotic cells by core 1-derived o-glycan-deficient resident peritoneal macrophages](https://doi.org/10.1016/j.bbrc.2017.12.066). *Biochemical and Biophysical Research Communications* **495,** (2018).

16. Kuno, A., Nishimura, K. & Takahashi, S. [Time-course transcriptome analysis of human cellular reprogramming from multiple cell types reveals the drastic change occurs between the mid phase and the late phase](https://doi.org/10.1186/s12864-017-4389-8). *BMC Genomics* **19,** (2018).

17. Susaki, E. A., Tainaka, K., Perrin, D., Yukinaga, H., Kuno, A. & Ueda, H. R. [Advanced CUBIC protocols for whole-brain and whole-body clearing and imaging](https://doi.org/10.1038/nprot.2015.085). *Nature Protocols* **10,** (2015).

18. Kanemoto, A., Hirayama, R., Moritake, T., Furusawa, Y., Sun, L., Sakae, T., Kuno, A., Terunuma, T., Yasuoka, K., Mori, Y., Tsuboi, K. & Sakurai, H. [RBE and OER within the spread-out bragg peak for proton beam therapy: In vitro study at the proton medical research center at the university of tsukuba](https://doi.org/10.1093/jrr/rru043). *Journal of Radiation Research* **55,** (2014).