Supplementary Material

Aging Cell Culture - Genetic and Metabolic Effects of Passage Number on Zebrafish Z3 Cells

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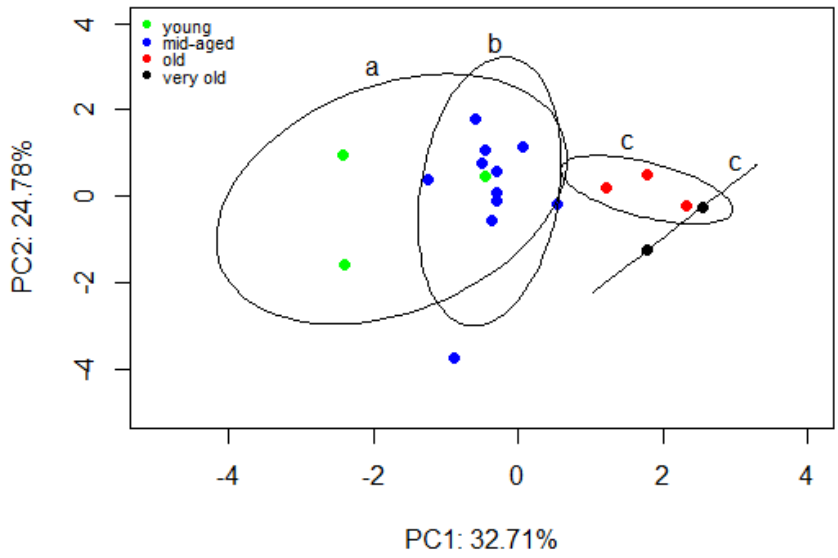

Figure S1 PCA analysis from six passages (5, 15, 19, 25, 31, and 40) using the following parameters: beta-gal activity, lactate, pyruvate, catalase, HIF1, HIF3. Beta-gal activity and lactate contributed the most to the significant separation in the first principal component (significance marked with letters).

PCA was performed using RStudio Version 1.3.1073 (R Core Team, 2020) with the script “prcomp”. Ellipse around treatment groups (confidence of 90%) was added using script “ordiellipse” (package “vegan” (Oksanen et al., 2019)). Significance of separation between treatment groups for the first two principal components was calculated using Anova and Tukey HSD test on pc score values ($p < 0.05$).

References:

R Core Team, 2020. R: A Language and Environment for Statistical Computing

Oksanen, J., Blanchet, F.G., Friendly, M., Kindt, R., Legendre, P., McGlinn, D., Minchin, P.R., O'Hara, R.B., Simpson, G.L., Solymos, P., Stevens, M.H.H., Szoecs, E., Wagner, H., 2019. vegan: Community Ecology Package