Errata sheet

1. Errata on page 39 section 1.2 Thawing cryopreserved cells. "*The cell suspension was diluted 1:5 in a complete medium…cases"* is corrected for "*The cell suspension was diluted 1:5 obtaining a concentration of 400.000 cells/ ml (pellet contains 2 million cells/ ml) in a complete medium…. cases".*
2. Errata on page 44 section 3.3.1 Detergent extraction method. "*The fraction containing lipid raft… sucrose"* is corrected for *"The fraction containing lipid rafts (fraction 3) locates… sucrose."*
3. Errata on page 44 section 3.3.1 Detergent extraction method. The following line is added to the end of the final paragraph after "sucrose". *"The fraction containing non-raft domains (fraction 10) locates at the interface between 35% and 55% of sucrose".*
4. Errata on page 44 section 3.3.2 Detergent-free extraction method. The following line is added to the end of the final paragraph. "*The fraction containing raft domains (fraction 2) and non-raft domains (fraction 9) locate at the interfaces as indicated above.*
5. Errata on page 55 section 6.3.7 Lipid tentative assignment. On the title, *"assignment"* is corrected for *"annotation"*
6. Errata on page 77 section 2 Development of RMMAs suitable for MALDI-MS analysis. *"Consequently, […] as well as the separate MS+ and MS- datasets of 251 and 177 lipids respectively"* is corrected for *""Consequently, […] as well as the separate MS+ and MS- datasets of 177 and 251 lipids respectively".*
7. Errata on page 78 section 2 Development of RMMAs suitable for MALDI-MS analysis. On Figure 25 titles of MS- and MS+ are in the wrong position, the corrected figure is added to the next page of this Errata sheet.
8. Errata on page 100 section 3.4 Cholinesterase enzymatic activity assay in RMMAs. On Figure 45 at the low part (printed non-raft), the statistical significance of the differences is not present on the graph. The corrected figure is added to this Errata sheet.

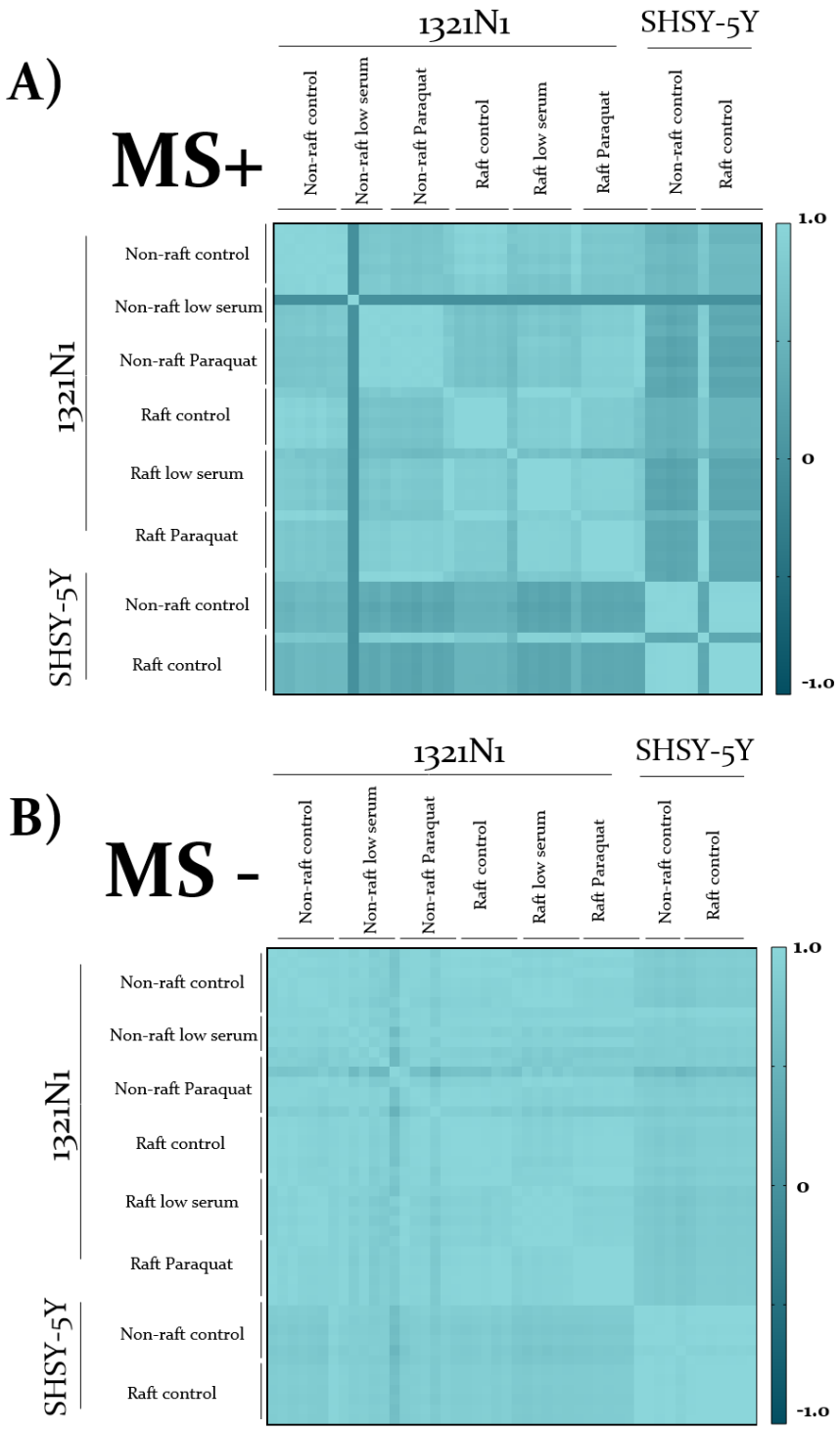

Figure 25: Reproducibility of RMMA printing technique analyzed by Pearson correlation. A) Positive ion-mode spectra Pearson correlation. B) Negative ion-mode spectra Pearson correlation. For both analyses, confidence interval was 95% and α was set at 0.05. Correlation of each spectrum is expressed as R-value in Pearson correlation; values are between -1 and 1. Correlation was performed using the whole spectra of Non-raft and raft samples obtained from human neuron cell line (control situation), and human astrocyte cell line (control situation, low serum-starvation and paraquat exposure).

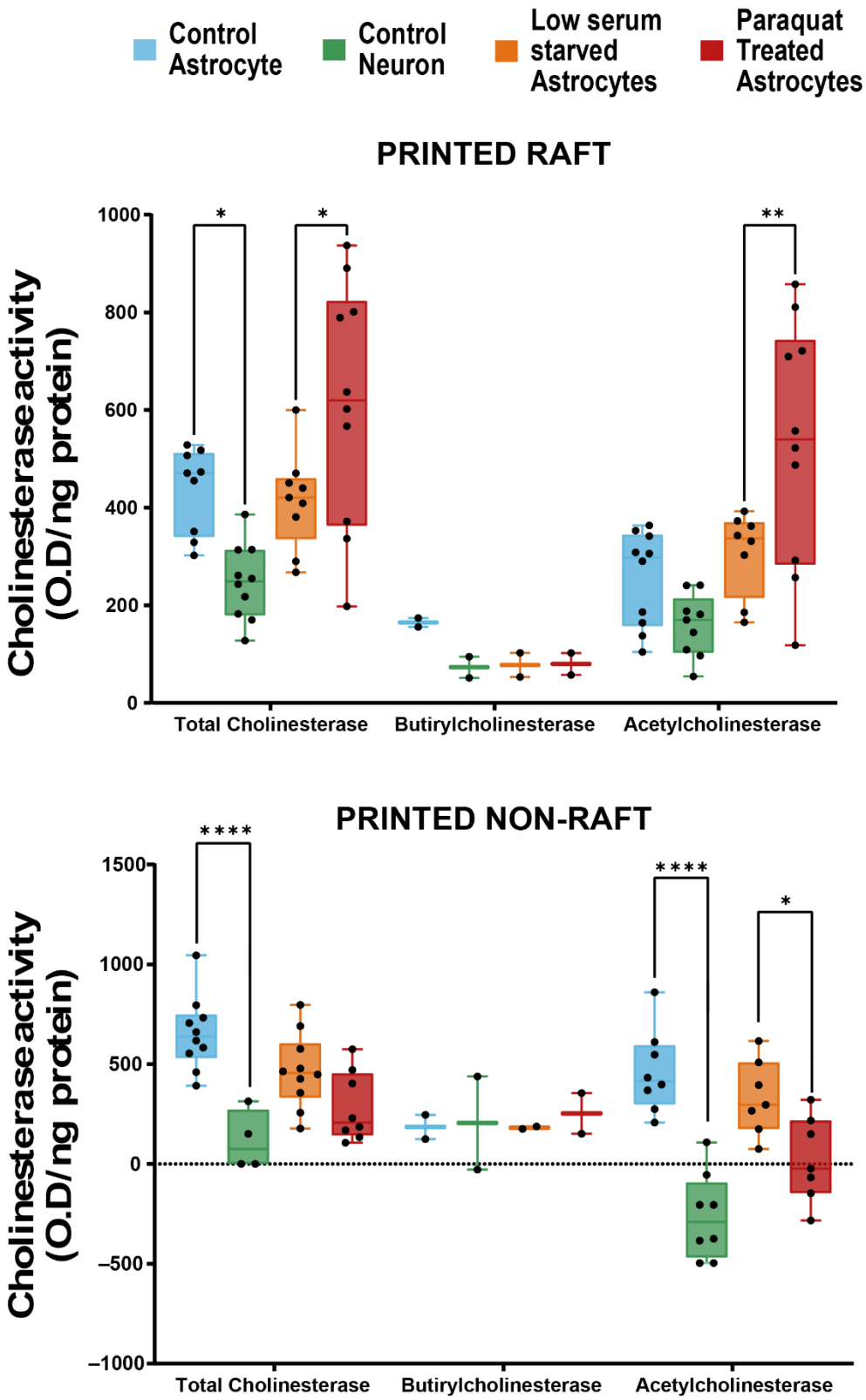

Figure 45: Total cholinesterase activity of neuron and astrocyte derived lipid rafts from cell cultures in control condition, and low serum-starved medium with or without paraquat treatment. Differences in total cholinesterase, butyrylcholinesterase and acetylcholinesterase activities (control situation of neurons and astrocytes, low serum-starved astrocytes, and paraquat-treated astrocytes) in raft printed samples (A) and non-raft printed samples (B). Two-way ANOVA was performed with Tukey post-hoc α set as 0.05; $p<0.05$ (*), $p<0.01$ (**), $p<0.001$ (***), and $p<0.0001$ (****).