Appendix Table 6: ANOVA Multiple Comparison Analysis for RIN Scores from whole eye samples

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| --- | --- | --- | --- |
| Tukey's multiple comparisons test: RIN scores for whole eye samples | Adjusted P Value | Significant? | Summary |
|  |  |  |  |
| Set Screw vs. TissueLyser | 0.9384 | No | ns |
| Set Screw vs. Dounce | 0.0502 | No | ns |
| Bullet Blender vs. TissueLyser | 0.0003 | Yes | \*\*\* |
| Bullet Blender vs Set Screw | 0.0034 | Yes | \*\* |
| Bullet Blender vs. Pellet Pestle | 0.9845 | No | ns |
| Bullet Blender vs. Dounce | 0.8545 | No | ns |
| Pellet Pestle vs. Dounce | 0.9913 | No | ns |
| Pellet Pestle vs. Set Screw | 0.0196 | Yes | \* |
| Pellet Pestle vs. TissueLyser | 0.0024 | Yes | \*\* |
| Dounce vs. TissueLyser | 0.0066 | Yes | \*\* |

Table 6 Legend: ANOVA Multiple Comparison analysis compared the RIN scores from whole eye samples for each technique against the mean RNA yield from every other technique. Column 1 states the name of the two techniques that are being directly compared to one another. Column 2 states the p value after being corrected for multiple comparisons. Column 3 indicates whether the p value in Column 1 is statistically significant or not (p value <0.05). Column 4 states a summary of the significant level as indicated by asterisks (n.s. = not significant ; p value <0.05 = \* ; p value <0.01 = \*\* ; p value <0.001 = \*\*\* ; p value <0.0001 = \*\*\*\*). If statistical significance is achieved, the first technique listed in Column 1 yielded higher RIN scores