Appendix Table 2: ANOVA Multiple Comparison Analysis for whole eye RNA yields

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test: Whole Eye RNA Yield (ng) | Adjusted P Value | Significant? | Summary |
|   |   |   |   |
|  Set Screw vs. TissueLyser | 0.1118 | No | ns |
|  Set Screw vs. Bullet Blender | 0.9426 | No | ns |
|  Set Screw vs. Pellet Pestle | <0.0001 | Yes | \*\*\*\* |
|  Set Screw vs. Dounce | 0.0039 | Yes | \*\* |
|  TissueLyser vs. Bullet Blender | 0.4233 | No | ns |
|  TissueLyser vs. Pellet Pestle | <0.0001 | Yes | \*\*\*\* |
|  TissueLyser vs. Dounce | <0.0001 | Yes | \*\*\*\* |
|  Bullet Blender vs. Pellet Pestle | <0.0001 | Yes | \*\*\*\* |
|  Bullet Blender vs. Dounce | 0.0004 | Yes | \*\*\* |
|  Pellet Pestle vs. Dounce | 0.3411 | No | ns |

Appendix Table 2 Legend: ANOVA Multiple Comparison analysis compared the mean RNA yield from whole eye 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 amounts of RNA.