Appendix Table 1: ANOVA Multiple Comparison Analysis for retina RNA yields

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| Tukey's multiple comparisons test: Retina RNA Yield (ng) | Adjusted P Value | Significant? | Summary |
|   |   |   |   |
| Set Screw vs. Pellet Pestle | 0.0002 | Yes | \*\*\* |
|  Set Screw vs. Bullet Blender | 0.2617 | No | ns |
| TissueLyser vs. Set Screw | <0.0001 | Yes | \*\*\*\* |
|  TissueLyser vs. Bullet Blender | <0.0001 | Yes | \*\*\*\* |
|  TissueLyser vs. Pellet Pestle | <0.0001 | Yes | \*\*\*\* |
|  TissueLyser vs. Dounce | 0.2899 | No | ns |
|  Bullet Blender vs. Pellet Pestle | <0.0001 | Yes | \*\*\*\* |
| Dounce vs. Pellet Pestle | <0.0001 | Yes | \*\*\*\* |
| Dounce vs. Set Screw | <0.0001 | Yes | \*\*\*\* |
| Dounce vs. Bullet Blender | 0.0066 | Yes | \*\* |

Appendix Table 1 Legend: ANOVA Multiple Comparison analysis compared the mean RNA yield from retinal 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 amounts of RNA.