S5 Table. Scheffe's score for qPCR dataset based on the difference series comparisons

Scheffe's Critic	First Comparison	Second Comparison	Scheffe's Score
26.117	Fast tube + Mix beads + G2	Fast tube + Mix beads	**139.74 a***
	Fast tube + 1.4 beads	Fast tube + 0.1 mm beads	2.14
	Fast tube + Mix beads	Fast tube + 1.4 mm beads	**48.62 b***
	Fast tube + Mix beads	Fast tube + 0.1 mm beads	**71.14 b***
	Ampliqon tube + 1.4 mm beads + G2	Ampliqon tube + 1.4 mm beads	**136.41 a***
	Ampliqon tube + 0.1 mm beads + G2	Ampliqon tube + 0.1 mm beads	10.64 a
	Ampliqon tube + 1.4 mm beads + G2	Ampliqon tube + 0.1 mm beads + G2	**85.78 d***
	Ampliqon tube + 1.4 mm beads	Ampliqon tube + 0.1 mm beads	0.71 d
	Ampliqon tube + Mix beads	Fast tube + Mix beads	0.24 e
	Ampliqon tube + 1.4 mm beads	Fast tube + 1.4 mm beads	0.00 e
	Ampliqon tube + 0.1 mm beads	Fast tube + 0.1 mm beads	0.37 e
	Fast tube + Mix beads	Ampliqon tube + Mix beads	0.24
	Fast Tube + Mix Beads + Neg + G2	Fast Tube + Mix Beads + G2	**334.82 c***
	Fast Tube + Mix Beads + Neg + G2	Fast Tube + Mix Beads + Neg	5.04 c

A result is considered to be statistically relevant when the Scheffe's score is higher than the Scheffe's critical value (Scheffe's Critic = 26.117). * Identify statistically relevant comparison, while letters identify the category in which they belong. **a**: Comparison based on presence/absence of G2. **b**: Comparison between mixed-beads and respectively 1.4 mm and 0.1 mm. **c**: Comparison between the series A-NEG+G2 and B. A-NEG+G2 and A-NEG (all reported in Table 1) to show that, based on the controls, G2 does not have any effect statistically relevant in terms of yield of DNA. **d**: Comparison between different bead-size (1.4 and 0.1 mm) in presence/absence of G2 **e**: Comparison between the different plastic tubes to evaluate the plastic-effect. **(139.74)** Statistically significant