Figure 14: Analysis of the electrical stimulation of irradiated retinas (7.5 J/m²).

Comparison of stimulation with 3-5 μA, 6-17 μA and 20-35 μA (rectangular pulses, cathodic phase first, 1000 μs per phase). Cumulated data from all groups are plotted. Frequency ratio = (spike frequency 500 ms after stimulus)/(spike frequency 5 s before stimulus). Data from treated eyes of animals whose untreated eyes were used as controls, were excluded from treated data sets for unpaired t-test analysis. y-axis log2; + = mean; *** p ≤ 0.001; * p ≤ 0.05; untreated: 3-5 μA n = 2, 6-17 μA n = 4, 20-35 μA n = 2; irradiated areas of treated eyes: 3-5 μA n = 9, 6-17 μA n = 10, 20-35 μA n = 11; intact areas of treated eyes: 3-5 μA n = 7, 6-17 μA n = 7, 20-35 μA n = 7. paired t-test: treated eye irradiated area vs. treated eye intact area; unpaired t-test: untreated eye vs. treated eye. Only comparisons with significant differences are displayed. All other comparisons were not significant.