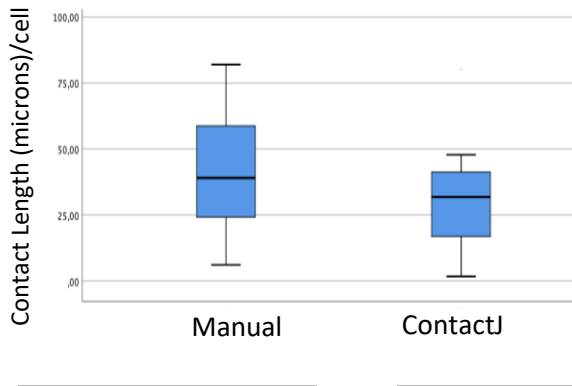
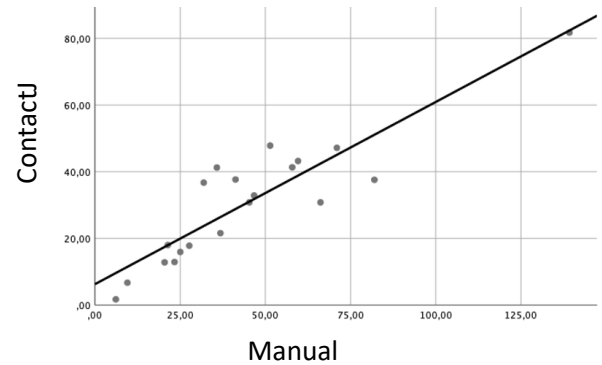


**A****B****Extended Data:**

**Contact Length results comparison between Manual and ContactJ analysis methods.** Total contact length were analyzed from 20 cells using manual or ContactJ methods. A) Mean and Standard Deviation from total contact length from Manual quantification were: 44.9220 and 30.1140, respectively, and from ContactJ analysis were: 30.8055 and 18.30792, respectively. ANOVA test was performed and showed no significant difference between both group means ( $F=3.209$  and  $p=0.08$ ) B) Graph representing contact length (microns) obtained with Manual (x values) and ContactJ (y values) methods. Pearson Correlation Analysis of the values obtained with both methods showed a correlation index of 0.899 significant at the 0.01 level.