**Table S1.** Accuracy data for all samples in 3 different groups.

| Implant ID | Printed Group (Segmented vs Printed Tooth) n=14 | Segmentation Group (Segmented vs Actual Tooth) n=8* | Overall Group (Printed vs Actual Tooth) n=8* |
|------------|-----------------------------------------------|-------------------------------------------------|------------------------------------------|
|            | Accuracy (%) Min(%) Max(%)                     | Accuracy (%) Min(%) Max(%)                        | Accuracy (%) Min(%) Max(%)               |
| AL         | 83.497 -0.1126 0.2848                          | 66.020 -0.3359 0.7368                            | 73.190 -0.7867 0.2374                   |
| AR         | 90.918 -0.0937 0.3433                          | 68.200 -0.1912 0.421                            | 69.750 -0.4315 0.2297                   |
| BL         | 82.267 0.2126 0.3233                            | 68.150 -0.482 0.267                             | 60.120 -0.463 0.397                     |
| BR         | 91.667 -0.1431 0.2412                          | 81.630 -0.677 0.634                             | 74.020 -0.625 0.416                     |
| CL         | 95.954 -0.1291 0.2633                          |                                                  |                                          |
| CR         | 97.317 -0.1231 0.1287                          |                                                  |                                          |
| DL         | 91.326 -0.1580 0.1955                          | 47.760 -0.993 0.430                             | 60.180 -0.929 0.365                     |
| DR         | 90.025 -0.2263 0.3272                          |                                                  |                                          |
| EL         | 89.189 -0.1881 0.3126                          |                                                  |                                          |
| ER         | 85.452 -0.1713 0.3045                          | 57.450 -0.386 0.497                             | 71.850 -0.426 0.314                     |
| FL         | 95.773 -0.0967 0.2897                          |                                                  |                                          |
| FR         | 94.372 -0.1590 0.2273                          | 69.780 -0.649 0.356                             | 72.620 -0.411 0.272                     |
| GL         | 94.030 -0.1620 0.2421                          |                                                  |                                          |
| GR         | 86.494 -0.1374 0.3471                          | 76.260 -0.558 0.691                             | 67.850 -0.189 0.322                     |
| **Avg**    | **90.59** **-0.12** **0.27**                  | **66.91** **-0.53** **0.50**                    | **68.70** **-0.53** **0.32**           |
| **Stdev**  | **4.75** **0.10** **0.06**                     | **10.51** **0.25** **0.17**                     | **5.63** **0.24** **0.07**             |

*Only n=8 as the other n=6 were not extracted from the tooth socket*
