

RESEARCH ARTICLE

The effect of 3D-printed bone tissue scaffolds geometrical designs on bacterial biofilm formation

Supplementary File
Table S1. Pairwise Tukey statistical differences in crystal violet assay results between different geometrical designs

Pair of samples being compared	Difference of means	95% Confidence interval	T value	P value
SP-A-RD-A	0.19	(0.0692, 0.3108)	5.57	0.001
RD-A-GY-A	-0.2843	(-0.4051, -0.1636)	-8.34	0.000
RD-A-GY-B	-0.121	(-0.2418, -0.0002)	-3.55	0.049
SD-A-RD-A	0.27	(0.1492, 0.3908)	7.92	0.000
SD-B-RD-A	0.3907	(0.2699, 0.5114)	11.46	0.000
RE-A-RD-A	0.1237	(0.0029, 0.2444)	3.63	0.042
RE-B-RD-A	0.2477	(0.1269, 0.3684)	7.27	0.000
RD-B-GY-A	-0.166	(-0.2868, -0.0452)	-4.87	0.003
SD-A-RD-B	0.1517	(0.0309, 0.2724)	4.45	0.007
SD-B-RD-B	0.2723	(0.1516, 0.3931)	7.99	0.000
RE-B-RD-B	0.1293	(0.0086, 0.2501)	3.79	0.03
SP-B-SP-A	-0.2333	(-0.3541, -0.1126)	-6.85	0.000
SP-A-SD-B	-0.2007	(-0.3214, -0.0799)	-5.89	0.000
SP-B-RD-B	-0.1617	(-0.2824, -0.0409)	-4.74	0.004
SP-B-GY-A	-0.3277	(-0.4484, -0.2069)	-9.61	0.000
SP-B-GY-B	-0.1643	(-0.2851, -0.0436)	-4.82	0.003
SP-B-SD-B	-0.434	(-0.5548, -0.3132)	-12.73	0
SP-B-SD-A	-0.3133	(-0.4341, -0.1926)	-9.19	0
SP-B-RE-A	-0.167	(-0.2878, -0.0462)	-4.9	0.003
SP-B-RE-B	-0.291	(-0.4118, -0.1702)	-8.54	0
GY-B-GY-A	-0.1633	(-0.2841, -0.0426)	-4.79	0.003
RE-A-GY-A	-0.1607	(-0.2814, -0.0399)	-4.71	0.004

Continued

Table S1. *Continued*

Pair of samples being compared	Difference of means	95% Confidence interval	T value	P value
SD-A-GY-B	0.149	(0.0282, 0.2698)	4.37	0.009
SD-B-GY-B	0.2697	(0.1489, 0.3904)	7.91	0
RE-B-GY-B	0.1267	(0.0059, 0.2474)	3.72	0.035
SD-B-SD-A	0.1207	(-0.0001, 0.2414)	3.54	0.05
SD-A-RE-A	0.1463	(0.0256, 0.2671)	4.29	0.01
SD-B-RE-A	0.267	(0.1462, 0.3878)	7.83	0
SD-B-RE-B	0.143	(0.0222, 0.2638)	4.2	0.013
RE-B-RE-A	0.124	(0.0032, 0.2448)	3.64	0.041