Table 1: Photogrammetry parameters used to render colony reconstructions in Agisoft.

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| Process | Settings |
| Estimate Image Quality | Images with quality below 0.5 were removed (Agisoft-LLC, 2020) |
| Align Photos | Highest quality, generic preselection enabled, 240,000 key point limit, 0 tie point limit (limitless) |
| Gradual Selection | Points were removed based on 1 pixel reprojection error, 200 reconstruction uncertainty, and 20 projection accuracy thresholds |
| Build Dense Cloud | High quality, mild depth filtering, reuse depth maps disabled |
| Build Mesh | Arbitrary surface type, high face count, interpolation enabled, calculate vertex colors enabled |
| Build Texture | Adaptive orthophoto mapping mode, mosaic blending mode, texture size/count 4,096 pixels, hole filling enabled, 3 bands, uint16 colors |