

**Table S3** Total Volume of Calcite (TVC<sub>dist</sub>) [mm<sup>3</sup>]

| Sample              | day 1 | day 2 | day 3 | day 4 | day 7 | day 11 |
|---------------------|-------|-------|-------|-------|-------|--------|
| C1 <sub>dist</sub>  | 0.000 | 0.484 | 1.695 | 1.849 | 2.520 | 1.460  |
| C2 <sub>dist</sub>  | 0.000 | 0.000 | 0.023 | 0.026 | 0.195 | 0.350  |
| C3 <sub>dist</sub>  | 0.000 | 0.082 | 0.120 | 0.205 | 0.241 | 0.101  |
| C4 <sub>dist</sub>  | 0.000 | 0.000 | 0.000 | 0.122 | 0.369 | 0.349  |
| C5 <sub>dist</sub>  | 0.000 | 0.000 | 0.254 | 0.528 | 1.086 | 0.762  |
| C6 <sub>dist</sub>  | 0.000 | 0.369 | 1.237 | 1.131 | 1.530 | 0.746  |
| C7 <sub>dist</sub>  | 0.000 | 0.007 | 0.027 | 0.028 | 0.295 | 0.588  |
| C8 <sub>dist</sub>  | 0.000 | 0.000 | 0.001 | 0.124 | 0.230 | 0.267  |
| C9 <sub>dist</sub>  | 0.000 | 0.979 | 2.044 | 2.275 | 2.584 | 2.513  |
| C10 <sub>dist</sub> | 0.000 | 0.000 | 0.024 | 0.027 | 0.171 | 0.088  |