| Subdomains | Rigor-like | NMSM | Post-rigor | $\Delta_{\mathbf{M/R}}$ | $\Delta_{\mathbf{P/R}}$ |
|:---:|:---:|:---:|:---:|:---:|:---:|
| **N/U50** | 36.0 | 36.2 | 36.0 | 0.2 | 0.0 |
| **N/L50** | 27.5 | 27.7 | 27.5 | 0.2 | 0.0 |
| **U50/L50** | 29.5 | 31.4 | 31.4 | 1.9 | 1.9 |
| **N/C** | 30.9 | 34.6 | 34.9 | 3.7 | 4.0 |
| **U50/C** | 64.1 | 67.7 | 67.9 | 3.6 | 3.8 |
| **L50/C** | 42.6 | 44.5 | 44.4 | 1.9 | 1.8 |

TABLE S6: Inter-subdomain center of mass distances; $\Delta_{\mathbf{M}}$ shows the distance obtained from the NMSM path, while $\Delta_{\mathbf{P}}$ the one from the post-rigor X-ray structure.