**Supplementary Table S3**: Summary of differences in trabecular bone NO PDL and PDL models

|  |  |  |
| --- | --- | --- |
| Locations | **Direction of Difference** | **Magnitude of difference** |
| ε1 – Maximum Principal strain |  |  |
| **Working Side** |  |  |
| interface between bone and P2P3M1 | NO PDL **<** PDL | greater than 200µε |
| posterior buccal corpus | NO PDL **>** PDL | approx. 50µε |
| anterior buccal corpus | NO PDL **>** PDL | approx. 50µε |
| buccal corpus inferior to M1 | NO PDL **>** PDL | approx. 50µε |
| **Balancing Side** |  |  |
| buccal and lingual aspect of alveolar sockets of M1M2M3 | NO PDL **<** PDL | greater than 200µε |
| furcation point of M1M2M3 | NO PDL **>** PDL | greater than 200µε |
| posterior buccal corpus | NO PDL **>** PDL | approx. 50µε |
| lingual corpus | NO PDL **>** PDL | approx. 50µε |
| **Symphysis** |  |  |
| labial and lingual aspect of symphysis ­ | NO PDL **<** PDL | approx. 50µε |
| ε2 – Minimum Principal strain |  |  |
| **Working Side** |  |  |
| interface between bone and P2P3M1 | NO PDL **<** PDL | greater than 200µε |
| interface between bone and M2M3 | NO PDL **>** PDL | greater than 200µε |
| superior aspect of lingual corpus | NO PDL **<** PDL | approx. 50µε |
| inferior aspect of anterior lingual corpus | NO PDL **>** PDL | approx. 50µε |
| **Balancing Side** |  |  |
| buccal and lingual aspect of alveolar sockets of M2M3 | NO PDL **<** PDL | greater than 200µε |
| furcation point of M1M2M3 | NO PDL **>** PDL | approx. 50µε |
| posterior buccal corpus | NO PDL **<** PDL | approx. 50µε |
| **Symphysis** |  |  |
| lingual and labial symphysis | NO PDL **<** PDL | approx. 50µε |