**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 |