**Supplementary Table 2.** Summary table showing the number of occurrences of each *Neognathodus* morphotype group in all examined stratigraphic intervals. Data are compiled for six previous studies (Brown et al. 1991; Rexroad et al. 1996; Rexroad et al. 1998; Rexroad et al. 2001; Brown and Rexroad 2009; Brown et al. 2016).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |   | ***Neognathodus* Morphotype Groups** |  |  |
|   |  | *N. bassleri* | *N. bothrops* | *N. medadultimus*  | *N. medexultimus* | *N. roundyi* | *N. dilatus* | *N. metanodosus* |  |  |
| **Stratigraphic Interval**  | West Franklin LS Mbr | 0 | 0 | 21 | 31 | 81 | 77 | 194 | 404 | **Total # of Specimens per Stratigraphic Interval** |
| Providence LS Mbr | 0 | 0 | 26 | 29 | 222 | 232 | 41 | 550 |
| Alum Cave LS Mbr | 4 | 12 | 117 | 365 | 736 | 330 | 27 | 1,591 |
| Mecca Quarry SH and Velpen LS mbrs | 6 | 6 | 37 | 135 | 535 | 234 | 23 | 976 |
| Holland LS Mbr | 0 | 6 | 68 | 27 | 18 | 17 | 0 | 136 |
| Perth LS Mbr | 110 | 153 | 49 | 2 | 5 | 13 | 0 | 332 |
|  |  | 120 | 177 | 318 | 589 | 1,597 | 903 | 285 |  |  |
|  |  | **Total # of Morphotype Group Occurrences** |  |  |