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| Supplemental Table 1: Comparison of fossil *Pseudotsuga menziesii* and extant species of *Pseudotsuga menziesii* and *Pseudotsuga macrocarpa* from North America |
| Plant organ | Morphological/morphometriccharacter | *Pseudotsuga menziesii* (ZRFS) | *Pseudotsuga menziesii* | *Pseudotsuga macrocarpa* |
| Seed cones  | Length | 21 – 65 | 40 – 90 | 90 – 130  |
| Width | 11 - 21 | 20 – 40  | 40 – 60 |
| Shape | Ovoid-oblong | Ovoid-conical | Ovoid-cylindrical |
| Cone scales | Length | 9 – 26 | 20 – 25 | 20 – 25 |
| Width | 6.7 – 22 | 20 – 25 | 30 – 35 |
| Shape | Cuneate-rounded | Cuneate-rounded | Obtuse-rounded |
| Length | 4.3 (1.4 – 5.7) | 7 (6 – 8) | 11 (10 – 12) |
| Width | 2.7 (1 – 3.7) | 4.5 (4 – 5) | 6 (6) |
| Seed wing | Length | 7.6 – 13.7 | 9 – 14 | 10 – 14 |
| Width | NA | 5 – 8 | 6 – 8 |

Supplemental Table 1: Morphological and morphometric comparison between plant organs from fossil *Pseudotsuga menziesii* specimens from the Zeigler Reservoir fossil site (ZRFS) and extant species of *Pseudotsuga menziesii* and *Pseudotsuga macrocarpa* from North America. Morphological/morphometric measurements for all plant organ characters for all specimens were measured in millimeters. The data comes from a combination of primary measurements and a compilation from the following studies: Eckenwalder, 2009; Frajon, 2010; Yabe, 2011; Miller, 2013. For the length and width measurements the median is outside the parenthesis and the range is inside the parenthesis.