Table S1 Radiocarbon dates and varve counts from the Moossee record. Uncertainties of 14C ages refer to

68% probabilities (1σ).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Number | Sample code | Depth [cm] | 14C age [BP]a | Varves per 14C sample | Mean varve counts between 14C samplesb | Additional minimum age error estimate in OxCal V-sequencec |
| 1 | BE-5380.1.1 | 520.2−519.5 | 3615 ± 35 | 10 ± 2 |  |  |
| 2 | BE-5631.1.1 | 540.3−539.8 | 3765 ± 40 | 10 ± 2 | 28 | 5 |
| 3 | BE-5381.1.1 | 543.5−543.0 | 3710 ± 35 | 10 ± 2 | 220 | 5 |
| 4 | BE-5632.1.1 | 548.4−547.7 | 3865 ± 40 | 10 ± 2 | 55 | 5 |
| 5 | BE-5382.1.1 | 553.1−552.4 | 3865 ± 35 | 10 ± 2 | 115 | 5 |
| 6 | BE-5383.1.1 | 569.8−569.2 | 4190 ± 35 | 10 ± 2 | 134 | 5 |
| 7 | BE-5633.1.1 | 572.4−571.6 | 4160 ± 40 | 10 ± 2 | 61 | 5 |
| 8 | BE-5384.1.1 | 578.7−578.3 | 4250 ± 20 | 10 ± 2 | 51 | 5 |
| 9 | BE-5385.1.1 | 604.6−604.0 | 4730 ± 20 | 10 ± 2 | 146 | 5 |
| 10 | BE-5634.1.1 | 606.3−605.8 | 4740 ± 40 | 10 ± 2 | 126 | 5 |
| 11 | BE-5635.1.1 | 607.7−607.2 | 4690 ± 45 | 10 ± 2 | 133 | 5 |
| 12 | BE-5636.1.1 | 612.0−611.5 | 4830 ± 70 | 10 ± 2 | 115 | 5 |
| 13 | BE-5386.1.1 | 618.7−618.1 | 4970 ± 25 | 10 ± 2 | 95 | 5 |
| 14 | BE-5387.1.1 | 624.2−623.6 | 5035 ± 40 | 10 ± 2 | 30 | 5 |
| 15 | BE-5388.1.1 | 625.9−625.2 | 5060 ± 35 | 10 ± 2 | 80 | 5 |
| 16 | BE-5637.1.1 | 630.8−630.3 | 5005 ± 50 | 10 ± 2 | 139 | 5 |
| 17 | BE-5389.1.1 | 636.2−635.5 | 5235 ± 40 | 10 ± 2 | 101 | 5 |
| 18 | BE-5638.1.1 | 641.3−640.8 | 5375 ± 40 | 10 ± 2 | 32 | 5 |
| 19 | BE-5390.1.1 | 646.2−645.5 | 5370 ± 60 | 10 ± 2 | 24 | 5 |
| 20 | BE-5639.1.1 | 652.7−652.1 | 5660 ± 45 | 10 ± 2 | 495 | 5 |
| 21 | BE-5391.1.1 | 656.2−655.8 | 5655 ± 25 | 10 ± 2 | 140 | 5 |
| 22 | BE-5392.1.1 | 659.8−659.3 | 5760 ± 25 | 10 ± 2 | 39 | 5 |
| 23 | BE-5640.1.1 | 669.1−668.6 | 5875 ± 45 | 10 ± 2 | 384 | 5 |
| 24 | BE-5393.1.1 | 675.7−675.2 | 5940 ± 25 | 10 ± 2 | 89 | 5 |
| 25 | BE-5394.1.1 | 678.3−677.8 | 5990 ± 40 | 10 ± 2 | 75 | 5 |
| 26 | BE-5641.1.1 | 689.8−689.4 | 6135 ± 45 | 10 ± 2 | 45 | 5 |
| 27 | BE-5642.1.1 | 691.2−690.8 | 6210 ± 45 | 10 ± 2 | 223 | 5 |
| a Stuiver and Polach 1977 | | | | | | |
| b Counted from/to the middle of each 14C sample | | | | | | |
| c Bronk Ramsey 1994, 1995, 2001; Bronk Ramsey et al. 2001 | | | | | | |