Supplementary Table 5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **raw** |  |  |  |  |  |  |  | **adjusted** |  |  |  |
| **Age (Ma)** | **I** | **E** | **S** | **P** | **M** |  | **ZFF** |  | **I** | **E** | **S** | **P** | **M** |
| **<950** | 12% | 8% | 16% | 9% | 17% |  | 1 |  | 19% | 12% | 32% | 16% | 38% |
| **950–1300** | 39% | 36% | 59% | 47% | 70% |  | 3.5 |  | 18% | 16% | 34% | 23% | 44% |
| **1300–1600** | 17% | 17% | 14% | 14% | 10% |  | 2.5 |  | 11% | 11% | 11% | 10% | 9% |
| **1600–1700** | 13% | 15% | 3% | 10% | 1% |  | 1 |  | 21% | 23% | 6% | 17% | 2% |
| **1700–1800** | 8% | 5% | 6% | 5% | 1% |  | 1 |  | 13% | 8% | 12% | 9% | 2% |
| **1800–1900** | 4% | 6% | 2% | 8% | 0 |  | 1 |  | 6% | 9% | 4% | 14% | 0 |
| **1900–2500** | 2% | 2% | 0 | 0 | 1% |  | 1 |  | 3% | 3% | 0 | 0 | 2% |
| **>2500** | 6% | 11% | 0 | 7% | 1% |  | 1 |  | 10% | 17% | 0 | 12% | 2% |

Percentage of grains from bedrock samples within each age group raw and adjusted by zircon fertility factor (ZFF)

I = Ionia Formation (Dickinson et al., 2010); E = Eaton Sandstone, S = Saginaw Formation, P = Parma Sandstone, M = Marshall Sandstone (Boothroyd, 2012)