**Supplementary Table S3** List of zircon analyses included in this review

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pluton** | **Country** | **Geochemical type** | **Number of analyzes** | **Reference** |
| Nejdek | Czechia | evolved S-type | 572 | Breiter et al. 2006, Breiter 2016 |
| Beauvoir | France | evolved S-type | 86 | Breiter & Škoda 2012 |
| Panasqueira | Portugal | evolved S-type | 69 | Breiter et al. 2023 |
| Argemela | Portugal | evolved S-type | 32 | Breiter et al. 2022 |
| Cornwall | England | evolved S-type | 112 | Breiter et al. 2016, 2018 |
| Altenberg-Teplice Caldera incl. Cínovec, Krupka and Sadisdorf deposits | Czechia, Germany | volcano-plutonic A-type | 421 | Breiter & Škoda 2012, Breiter et al. 2014, 2017 |
| Wiborg+Kimi | Finland | rapakivi A-type | 57 | Breiter et al. 2014 |
| Madeira pluton | Brazil | rapakivi A-type | 70 | Breiter et al. 2014 |
| Khangilay | Transbaikalia, Russia | A-type | 51 | not published |
| Europa | Brazil | peralkaline | 24 | not published |
| Khan Bogd | Mongolia | peralkaline | 32 | Breiter et al. 2024 |
| Khalzan Buregte | Mongolia | peralkaline + A-type | 74 | Breiter et al. 2024 |
| Central Moldanubian | Czechia, Austria | S-type | 208 | partly in Breiter 2016 |
| Tis | Czechia | primitive S-type | 25 | not publ. |
| Třebíč | Moravia | melagranites | 13 | not publ. |
| Šumava Mts. | Czechia, Austria | melasyenites | 28 | not publ. |
| Orthogneiss | Czechia | S-type | 132 | partly in Breiter et al. 2005b |