

Appendix 1. Photomicrographs of the tuff and tuffaceous rocks (a–d) of the Sanjakugoshaku Formation in plane-polarized (left) and cross-polarized light (right). (a), SARUTA, a tuffaceous mudstone including numerous glass shards; (b), HONDA, a laminated tuffaceous mudstone; (c), MIYAWAKA, a vitric tuff; (d), EBITSU, a vitric tuff including rhyolitic volcanic fragments. Abbreviations: Pl = plagioclase; Qtz = quartz; V = volcanic fragment.

