

Figure S6. Amblygonite and topaz in microcline-albite granite of the Verkhne-Burgali ethmolith. (a) xenomorphic amblygonite grains in allotriomorphic microcline-albite granite (b) amblygonite and topaz in lepidogranoblastic zinnwaldite greisenized granite, (c) intergrowth of topaz and lithium muscovite in microcline-albite granite porphyry. Crossed nicols. Qz –quartz, Ab – albite, Kfs – K-feldspar, Ms – muscovite, Znw – mineral of the zinnwaldite series, Aml – amblygonite, Tpz – topaz.