



Supplementary Fig. 1 Photomicrographs of granodiorite porphyry (Figs. a, b, c) and mafic enclaves (Figs. d, e, f). a) A region of granodiorite porphyry under plain transmitted light, showing the main phenocrysts consisting mainly of biotites, plagioclases, quartzs and certain amounts of titanites; b) The same region of panel a under crossed transmitted light. It is easily observed that the plagioclases have been altered by sericitization; c) The same region of panel a under reflected light. The titanites have been replaced by magnetites; d) A region of mafic enclaves under plain transmitted light. The main rock-forming minerals consist also mainly of biotites, quartzs, plagioclases and certain amounts of titanites; e) The same region of panel d under crossed transmitted light. Some biotites may underwent chloritization; f) The same region of panel d under reflected light. The titanites have also been replaced by magnetites.

Abbreviations from Whitney and Evans (2010): Bt = Biotite; Pl = Plagioclase; Ttn = Titanite; Mt = Magnetite; Qz = Quartz.

References

Whitney D.L. and Evans B.W. (2010) Abbreviations for names of rock-forming minerals. *American Mineralogist*, 95, 185–187.