





E. Amphibolitic gabbro POR30









DATA REPOSITORY MATERIAL

- **Figure A1.** International and in-house U-Pb zircons standards measured during the period of this study. (A) U-Pb TIMS analyses for z6266 zircon standard (560.2 \pm 1.1 Ma) agree within error of the age (559.0 \pm 0.2 Ma) determined by Stern and Amelin (2003). (B) An in-house U-Pb zircon standard (KL01125) analyzed by TIMS (2760.2 \pm 1.2 MA) agrees within error with U-Pb analyses by LA-MC-ICP-MS (C; 2759.8 \pm 1.4 Ma).
- **Figure A2.** Cathodeluminescence photographs of representative zircons from dated units. Zircons from (A) Plagioclase + Quartz + Biotite schist POR1091f, (B) Plagioclase + Quartz + Biotite schist POR134, (C) conglomerate POR29, and (D) mylonitized tonalite POR23 all show prominent primary oscillatory (OZP) or sector zoning (SZP) and secondary structures such as partial trangressive recrystallization (TRS) or secondary overgrowths (OGS). Zircons from (B) felsic schist POR134 and (E) amphibolitic gabbro POR30 lack distinct primary magmatic features and have a diffuse/mottled appearance and/or radial-sector zoning (RZS) suggestive of metamorphic growth (Hanchar and Miller, 1993).

ADDITIONAL REFERENCES RELATED TO DATA REPOSITORY

- Hanchar, J.M., and Miller, C.F., 1993, Zircon zonation patterns as revealed by cathodoluminescence and backscattered electron images; implications for interpretation of complex crustal histories: Chemical Geology, v. 110, p. 1-13.
- Stern, R.A., Amelin, Y., 2003, Assessment of errors in SIMS zircon U–Pb geochronology using a natural zircon standard and NIST SRM 610 glass. Chemical Geolology, v. 197, p. 111-142.