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Supplemental Material

Table S1. Thermobarometry results. Worksheet 1 includes a summary table of average pressure and temperature estimates for all samples. Calculations using rim compositions of hornblende and plagioclase in equilibrium with one another using the calibrations of Holland and Blundy (1994), Anderson and Smith (1995), and Anderson et al. (2008) are included in the subsequently following worksheets of the excel file. Sample locations and coordinate information can be found in Fig. 2 and Tables S3 and S4.

Table S2. LA-ICPMS U-Pb zircon geochronology age results of samples plotted in Fig. 12. Sample locations and coordinate information can be found in Fig. 2 and Tables S3 and S4.

Table S3. XRF and ICPMS whole rock major oxide, and trace and rare earth element results of Kuna Crest lobe sensu lato and Rush Creek pluton samples. Methods and procedures are explained in Knaack (2003) and Johnson et al. (1999). Major elements are normalized on a volatile-free basis, with total Fe expressed as FeO. Sample locations and coordinate information is included in the table (see also Fig. 2).

Table S4. ID-TIMS whole rock Sr-Nd isotope data. Analytical procedures are described in Otamendi et al. (2009) and Drew et al. (2009). Sample locations and coordinate information is included in the table (see also Fig. 2).

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