

Table S3. Geothermometry calculations for amphibole-plagioclase pairs from greenschist samples PKS11 and PKS12 from the Theodorii Greenschist south of the Dikti Mountains using the Excel-based calculation grid of Hora et al. (2013) for the edenite-tremolite geothermometer (hornblende-plagioclase assemblages with quartz) of Holland & Blundy (1994). Calculation inputs for plagioclase and amphiboles are from the representative chemical analyses in Tables S1 and S2 in the electronic supplementary material. The pressures indicated and used for grid calculations were calculated for amphiboles using the method of Ridolfi & Renzulli (2012). Values in blue fields are the calculated temperatures in °C resulting from the plagioclase and amphibole inputs in the respective column and row. Only valid equilibrium pairs are shown.

Holland & Blundy (1994)				Amphibole																
Edenite-tremolite thermometer				Analysis	PKS11_p01	PKS11_p02	PKS11_p03	PKS11_p06	PKS11_p13	PKS11_p15	PKS11_p16	PKS11_p21	PKS11_p23	PKS11_p24	PKS11_p25	PKS12_p09	PKS12_p18			
(for assemblages with quartz)				X T1 Si	0.985	0.989	0.977	0.986	0.966	0.961	0.979	0.981	0.962	0.952	0.964	0.964	0.975			
				X T1 Al	0.015	0.011	0.023	0.014	0.034	0.039	0.021	0.019	0.038	0.048	0.036	0.036	0.025			
				X M2 Al	0.025	0.029	0.026	0.012	0.033	0.011	0.037	0.034	0.009	0.002	0.014	0.027	0.064			
R (kJ/(molK))	8.31E-03			X A K	0.005	0.003	0.004	0.002	0.016	0.008	0.008	0.008	0.004	0.007	0.004	0.021	0.010			
				X A □	0.984	0.993	0.980	0.976	0.954	0.947	0.971	0.977	0.931	0.927	0.952	0.975	0.978			
				X A Na	0.011	0.004	0.016	0.022	0.030	0.044	0.021	0.015	0.065	0.065	0.045	0.004	0.013			
				P (MPa)	200	200	200	200	200	200	200	200	200	100	200	200	300			
Plagioclase	Analysis	X Ab	Y Ab	Sort	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS11	PKS12	PKS12	
	PKS11_p7	0.988	0.000	PKS11	360	308	399	393	445	484	402	382	502	522	479					
	PKS11_p8	0.991	0.000	PKS11	359	308	399	393	444	483	402	382	502	522	479					
	PKS11_p10	0.981	0.000	PKS11	360	308	400	394	445	484	402	382	503	522	479					
	PKS11_p11	0.979	0.000	PKS11	360	308	400	394	445	484	403	383	503	523	479					
	PKS11_p17	0.954	0.000	PKS11	361	309	401	395	447	486	404	384	504	524	481					
	PKS11_p18	0.944	0.000	PKS11	362	310	401	396	447	487	404	384	505	525	482					
	PKS11_p19	0.936	0.000	PKS11	362	310	402	396	448	487	405	385	506	526	482					
	PKS11_p20	0.979	0.000	PKS11	360	308	400	394	445	484	402	382	503	522	479					
	PKS11_p27	0.973	0.000	PKS11	360	308	400	394	446	485	403	383	503	523	480					
	PKS11_p28	0.977	0.000	PKS11	360	308	400	394	445	484	403	383	503	523	479					
	PKS12_p2	0.961	0.000	PKS12												354	380			
	PKS12_p3	0.952	0.000	PKS12												354	380			
PKS12_p4	0.969	0.000	PKS12												354	379				
PKS12_p15	0.916	0.000	PKS12												356	382				
PKS12_p20	0.942	0.000	PKS12												355	381				