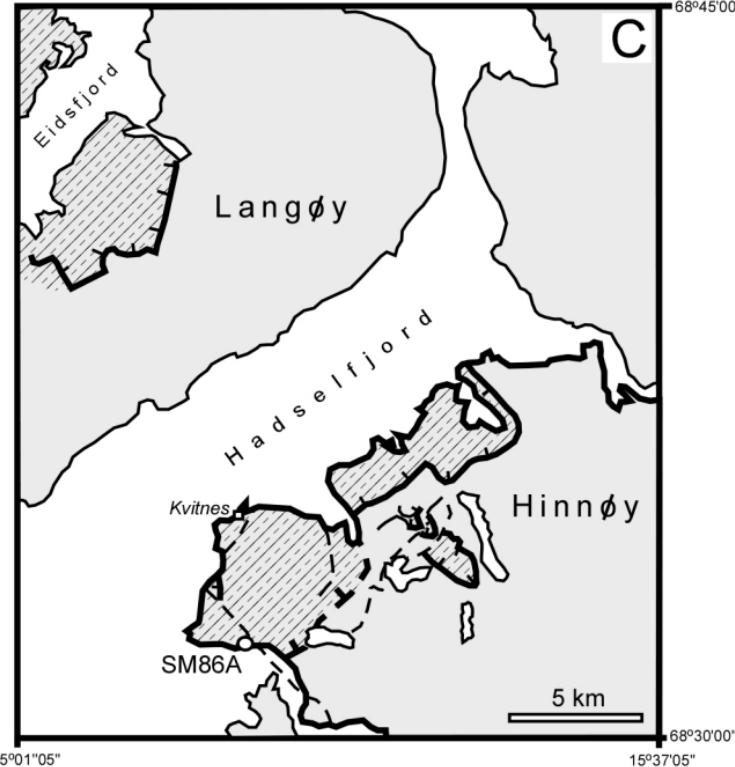
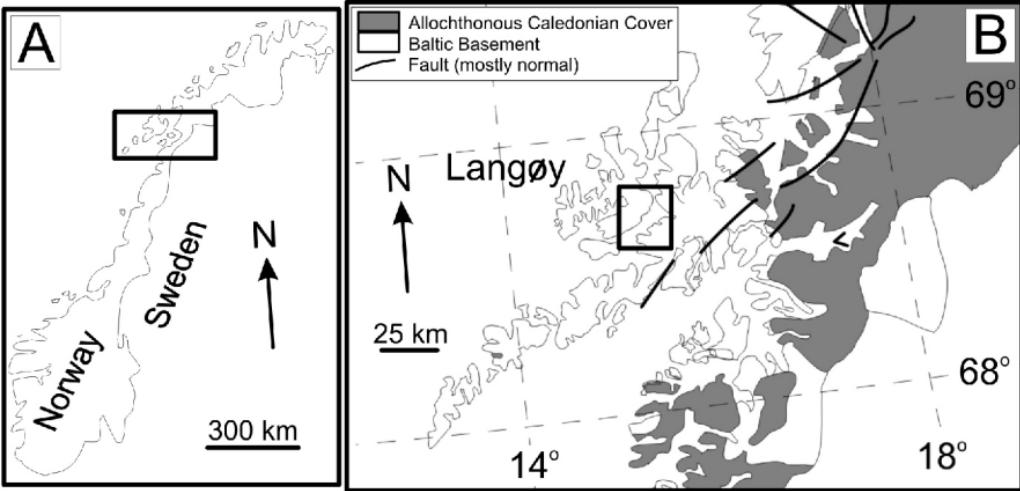


Moecher & Steltenpohl G30166 Supplementary Data Table 8 F%

Thin Section SM86A

Plag					Cpx					Garnet				
Domain#	5	7	8	9		5	7	8	9		5	7	8	9
SiO ₂	64.93	65.13	64.44	63.98	SiO ₂	52.47	51.97	51.17	51.48	SiO ₂	36.35	38.21	37.28	38.16
Al ₂ O ₃	23.31	22.26	21.65	22.44	TiO ₂	0.05	0.01	0.03	0.06	TiO ₂	0.18	0.06	0.05	0.08
FeO	0.25	0.26	0.11	0.26	Al ₂ O ₃	2.30	1.56	1.65	1.50	Al ₂ O ₃	20.35	20.23	20.25	19.86
CaO	3.92	2.77	2.88	2.66	FeO	12.35	12.13	11.79	11.91	FeO	31.48	31.06	29.93	29.69
Na ₂ O	9.80	9.66	10.30	9.42	MnO	0.13	0.14	0.18	0.22	MnO	1.43	1.32	2.05	2.27
K ₂ O	0.10	0.10	0.09	0.08	MgO	11.28	11.84	11.67	11.48	MgO	2.73	3.12	2.68	2.61
Total	102.31	100.18	99.48	98.84	CaO	20.10	20.51	20.39	20.41	CaO	6.76	6.32	6.46	6.93
Si	2.807	2.859	2.857	2.844	Na ₂ O	2.13	1.88	1.84	1.54	Total	99.33	100.35	98.70	99.66
Ti	0.000	0.000	0.000	0.001	Total	100.82	100.05	98.71	98.59	Si	2.950	3.040	3.021	3.059
Al	1.188	1.152	1.132	1.176	Si	1.968	1.968	1.964	1.976	Ti	0.011	0.004	0.003	0.005
Fe	0.009	0.010	0.004	0.010	Ti	0.001	0.000	0.001	0.002	Al	1.947	1.897	1.933	1.876
Mn	0.000	0.001	0.001	0.001	Al	0.102	0.070	0.075	0.068	Fe	2.137	2.067	2.028	1.991
Mg	0.000	0.000	0.000	0.000	Fe	0.387	0.384	0.379	0.382	Mn	0.098	0.089	0.140	0.154
Ca	0.182	0.130	0.137	0.127	Mn	0.004	0.004	0.006	0.007	Mg	0.330	0.370	0.324	0.311
Na	0.821	0.822	0.886	0.812	Mg	0.631	0.669	0.668	0.656	Ca	0.588	0.539	0.561	0.595
K	0.006	0.005	0.005	0.005	Ca	0.808	0.832	0.838	0.839	Xgr	0.186	0.176	0.184	0.195
An	0.189	0.150	0.133	0.172	Na	0.155	0.138	0.137	0.115	Xpy	0.105	0.121	0.106	0.102
Ab	0.811	0.850	0.867	0.828	Al(iv)	0.032	0.032	0.036	0.024	Xalm	0.678	0.674	0.664	0.652
					Al(vi)	0.070	0.038	0.039	0.044	Xsp	0.031	0.029	0.046	0.051
					Sum(vi)	1.094	1.095	1.091	1.091					
					Xal(vi)	0.064	0.035	0.035	0.040					
					Xfe	0.354	0.351	0.347	0.350					
					Xmg	0.577	0.610	0.612	0.601					
					Xti	0.001	0.000	0.001	0.002					
					Xca	0.839	0.857	0.860	0.880					
					Xna	0.161	0.143	0.140	0.120					
					F/(F+M)	0.380	0.365	0.362	0.368					



■ Heier's zone of pseudotachylyte

— Low angle normal fault
(ticks on hanging wall)

- - - Steep fault with mylonites
and pseudotachylytes

Figure DR1. Maps showing the location of Heier's zone in northern Norway. Sample SM86A was collected in shoreline exposures of the southeast part of Heier's zone on Hannøy. Map C modified from Løseth and Tveten (1996).