Table S6. Representative chemical analyses on garnet-micaschist sample Pf002 from road cut 25 m east of Agia Triada and calculation of structural formulae. Chemical composition of oxides in weight percent. For garnet, Fe^{2+}/Fe^{3+} was calculated assuming full site occupancy. All iron is considered as ferrous iron (Fe^{2+}) for biotite and white mica. [1]X_{Mg} = Magnesium number [Mg/(Mg+Fe)]. [2]Mineral abbreviations: bio = biotite; grt = garnet; wmc = white mica.

Analysis	**Grt1_C**	**Grt1_R**	**Grt2_C**	**Grt2_R**	**Grt3_C**	**Grt3_R**	**Grt4_C**	**Grt4_R**	**Grt5_C**	**Grt5_R**	**Bt1**	**Bt2**	**Bt3**	**Ms1**	**Ms2**	**Ms3**	**Ms4**	**Ms5**
SiO_2	38.01	37.98	37.71	37.51	37.60	37.75	37.66	37.56	37.67	37.70	34.83	33.66	34.75	46.99	46.87	47.41	45.78	47.33
TiO_2	0.02	0.03	0.01	0.01	0.04	0.01	—	0.02	0.04	0.04	1.68	1.50	1.64	0.26	0.05	0.19	0.20	0.10
Al_2O_3	21.45	21.43	21.17	20.96	21.23	21.24	21.21	21.20	21.17	21.19	21.17	19.65	21.20	36.34	36.65	36.82	36.22	36.43
Cr_2O_3	0.01	0.02	—	0.01	0.02	0.02	—	0.01	0.02	0.03	0.06	0.03	0.03	0.03	0.02	0.02	0.04	—
FeO	33.94	34.59	33.18	35.17	34.20	34.38	33.13	35.41	32.87	34.72	21.72	21.68	22.46	1.13	1.00	1.14	1.07	1.15
MnO	6.36	5.78	7.33	5.37	6.41	5.68	7.28	5.51	7.11	5.80	0.17	0.13	0.14	—	0.02	—	0.01	0.01
MgO	1.75	1.59	1.65	1.38	1.70	1.61	1.67	1.45	1.64	1.53	5.47	6.16	6.15	0.43	0.37	0.37	0.33	0.39
CaO	0.63	0.51	0.62	0.38	0.64	0.76	0.69	0.33	0.72	0.44	0.20	0.32	0.07	—	0.01	—	0.01	0.02
NiO	—	—	—	—	—	—	—	—	0.03	—	0.03	0.05	—	—	—	—	0.01	0.01
Na_2O	0.04	0.02	0.02	0.01	0.02	0.02	0.02	—	0.03	0.01	0.19	0.19	0.27	0.84	1.09	0.90	0.85	0.94
K_2O	—	0.01	—	0.04	—	0.01	0.01	0.02	0.01	—	7.42	5.42	8.08	9.57	9.60	9.66	9.78	9.58
P_2O_5	0.05	0.02	0.11	0.05	0.08	0.05	0.07	0.03	0.10	0.04	0.04	0.05	—	0.02	0.02	—	0.02	0.01
Total	102.26	101.98	101.80	100.89	101.95	101.54	101.74	101.54	101.41	101.50	92.97	88.80	94.79	95.60	95.70	96.51	94.32	95.97
Oxygens =	12	12	12	12	12	12	12	12	12	12	22	22	22	11	11	11	11	11
Si	3.01	3.02	3.01	3.02	3.00	3.02	3.01	3.01	3.01	3.02	5.42	5.45	5.35	3.09	3.08	3.09	3.10	3.09
Ti	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.20	0.18	0.19	0.01	0.00	0.01	0.01	0.01
$^{[4]}Al$	—	—	—	—	—	—	—	—	—	—	3.89	3.75	3.84	2.82	2.84	2.83	2.82	2.82
$^{[6]}Al$	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.00								
Fe^{3+}	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fe^{2+}	2.28	2.34	2.23	2.40	2.30	2.33	2.23	2.40	2.23	2.35	2.83	2.94	2.89	0.06	0.06	0.06	0.06	0.06
Mn	0.43	0.39	0.50	0.37	0.43	0.38	0.49	0.37	0.48	0.39	0.02	0.02	0.02	—	0.00	—	0.00	0.00
Mg	0.21	0.19	0.20	0.17	0.20	0.19	0.20	0.17	0.20	0.18	1.27	1.49	1.41	0.04	0.04	0.04	0.04	0.04
Ca	0.05	0.04	0.05	0.03	0.05	0.06	0.06	0.03	0.06	0.04	0.03	0.06	0.01	—	0.00	—	0.00	0.00
Na	0.01	0.00	0.00	0.00	0.00	0.00	0.00	—	0.01	0.00	0.06	0.06	0.08	0.11	0.14	0.11	0.12	0.11
K	—	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	1.47	1.12	1.59	0.80	0.81	0.80	0.80	0.80
∑ cations	7.99	7.99	7.99	7.98	8.00	7.99	7.99	7.99	7.99	7.99	15.20	15.08	15.38	6.94	6.97	6.95	6.95	6.94
X_{Mg}[1]	8.42	7.56	8.16	6.54	8.14	7.70	8.24	6.81	8.17	7.26	30.98	33.62	32.80	—	—	—	—	—
Mineral phase[2]	grt	grt	grt	grt	grt	grt	grt	grt	grt	grt	bio	bio	bio	wmc	wmc	wmc	wmc	wmc
Garnet endmembers																		
Almandine	76.84	79.04	74.96	80.92	76.87	78.40	74.82	80.65	75.07	79.33	—	—	—	—	—	—	—	—
Andradite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grossular	1.76	1.40	1.77	1.08	1.76	2.12	1.97	0.90	2.01	1.19	—	—	—	—	—	—	—	—
Pyrope	6.97	6.35	6.61	5.59	6.78	6.46	6.68	5.83	6.60	6.13	—	—	—	—	—	—	—	—
Spessartine	14.39	13.15	16.66	12.37	14.52	12.95	16.54	12.58	16.25	13.25	—	—	—	—	—	—	—	—
Uvarovite	0.04	0.07	—	0.03	0.07	0.06	—	0.04	0.07	0.10	—	—	—	—	—	—	—	—