

Table 1. List of the studied metadolerite samples with petrographic features and geographic location. Mineral Abbreviations according to Siivola and Schmid (2007) with the following exceptions: brAm (brown amphibole), grAm (green amphiboles), blAm (blue amphibole), Wm (white mica).

MC2	Mylonitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Timpa della Guardia	40° 01' 49.97" N- 16° 09' 05.35"E
MC3	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa della Guardia	40° 01' 50.21" N- 16° 09' 04.99" E
MC6	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa della Guardia	40° 01' 50.28" N - 16° 09' 04.44" E
MC14	Blastophitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Road Valle Frida-S. Severino Lucano (km 45)	40° 02' 00.99" N - 16° 07' 31.45"E
MC18	Blastophitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Road Valle Frida-S. Severino Lucano (km 46)	40° 02' 00.73" N - 16° 07' 31.66"E
MC20	Blastophitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Timpa Della Guardia	40° 01' 50.01" N-16° 09' 04.42"E
MC23	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 50.62" N - 16° 09' 04.34"E
MC25	Blastophitic	Pl + Cpx	Prh + Chl ± Qtz ± Wm ± Pmp ± Srp	Timpa Della Guardia	40° 02' 03.99" N - 16° 09' 06.34"E
MC29	Intersertal/intergranular	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 02' 03.17" N - 16° 09' 05.98"E
MC31	Intersertal/intergranular	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 02' 04.39" N - 16° 09' 04.55"E
MC32a	Intersertal/intergranular	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 02' 04.40" N - 16° 09' 04.64"E
MC33	Blastophitic	Pl + Cpx	Prh + Chl ± Qtz ± Wm ± Pmp ± Srp	Timpa Della Guardia	40° 02' 04.66" N - 16° 09' 05.49"E
MC35	Intersertal/intergranular	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Timpa Della Guardia	40° 02' 04.28" N - 16° 09' 07.21"E
MC38	Intersertal/intergranular	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Timpa Della Guardia	40° 02' 04.51" N - 16° 09' 07.71"E
MC40	Blastophitic	Pl + Cpx	Ab + brAm + Qtz + Chl + blAm ± Lws ± Wm ± Prh	Timpa Della Guardia	40° 01' 51.07" N - 16° 09' 07.18"E
MC42	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.27" N - 16° 09' 07.55"E
MC45	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.29" N - 16° 09' 07.28"E
MC49	Blastophitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC51	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC59	Blastophitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Episcopia Village	40° 04' 16.12" N - 16° 05' 55.40"E
MC60	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Road to Manca di Sopra	40° 04' 10.21" N - 16° 05' 35.48"E
MC61	Intersertal/intergranular	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Manca di Sopra	40° 04' 01.12" N - 16° 06' 03.47"E
MC62	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Cesina	40° 04' 36.53" N - 16° 08' 32.73"E
MC65	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Castello Quarry	40° 04' 26.64" N - 16° 09' 11.91"E
MC68	Intersertal/intergranular	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Fosso Ballarano	40° 02' 57.65" N - 16° 08' 00.89"E
MC69	Intersertal/intergranular	Pl + Cpx	Ab + brAm + Qtz + Chl + blAm ± Lws ± Wm ± Prh	Timpa della Gatta	40° 03' 39.61" N - 16° 07' 40.62"E
MC70	Blastophitic	Pl + Cpx	Ab + brAm + Qtz + Chl + blAm ± Lws ± Wm ± Prh	Fosso Arcangelo; road Valle Frida-S. Severino Lucano to the km 45	40° 01' 42.43" N - 16° 08' 02.98"E
MC71	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC72	Mylonitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC73	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC74	Blastophitic	Pl + Cpx	Chl ± grAm ± Pmp ± Qtz ± Prh ± Wm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC75	Blastophitic and mylonitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC76	Blastophitic	Pl + Cpx	brAm + Chl ± Pmp ± Wm ± Qtz ± Prh ± grAm	Timpa Della Guardia	40° 01' 51.34" N - 16° 09' 03.04"E
MC77	Blastophitic	Pl + Cpx	Ab + brAm + Qtz + Chl + blAm ± Lws ± Wm ± Prh	Piani Matteo	40° 02' 02.20" N - 16° 08' 25.08"E
MC78	Blastophitic	Pl + Cpx	Prh + Chl ± Qtz ± Wm ± Pmp ± Srp	Piani Matteo	40° 02' 08.47" N - 16° 08' 25.64"E
MC81	Blastophitic	Pl + Cpx	Ab + brAm + Qtz + Chl + blAm, Tr, ± Lws ± Wm ± Prh	Fosso Arcangelo	40° 01' 52.47" N - 16° 08' 16.27"E