



Project of Strategic Interest NEXTDATA

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Database of the geochronological and geochemical information from tephra layers documented in the marine sediment cores from the analysed key sites and from literature data
Resp. Fabrizio Lirer, CNR-ISMAR

Alberico Ines⁽¹⁾, Insinga Donatella Domenica⁽¹⁾, Petrosino Paola⁽²⁾,

- 1) Istituto di Scienze Marine (ISMAR)– Consiglio Nazionale delle Ricerche, Calata Porta di Massa, Interno Porto di Napoli, 80133, Napoli, Italia
- 2) DiSTAR — Dipartimento di Scienze della Terra, dell'Ambiente e delle Risorse, Università degli Studi di Napoli Federico II, Largo S. Marcellino 10, 80138 Napoli, Italy

Since tephtras are the result of “instantaneous” events in terms of geological times, they are considered powerful “isochronous time-lines” to link archives from different settings and, if a numerical age can be attributed, they become the most suitable proxy used for the age modelling of sedimentary records. Along with the contribution to the paleoenvironmental and paleoclimate research, tephtras can also provide a detailed record of volcanic activity and recurrence rates during the Quaternary.

Dealing with widespread markers, which represent powerful isochrones, different archives can be linked throughout the Mediterranean. The use of such correlating tools allows to bypass issues from any possible leads or lags of climate changes evidenced by other proxies (e.g. foraminiferal

distribution, oxygen isotope) at both regional and Mediterranean scales, provided the tephra correlation is correct.

This is particularly true when dealing with tephras interbedded within deep sea and lacustrine successions (characterized by continuous records) with no or little sedimentary disturbances. In this case, even thin tephras associated with small, local eruptions or large distal eruptions can be preserved.

WDB-Paleo, containing data on about 6000 marine sediment cores (Alberico et al., 2017). It was upgraded until 2019 according to the newly published papers and particular attention was posed on the implementation of new marine tephra entities recording tephra information (fig. 1).

Tephra samples were classified as tephra or cryptotephra and for each one the eruption name, source, composition, age, references and correlation with other equivalents were registered (see appendix A).

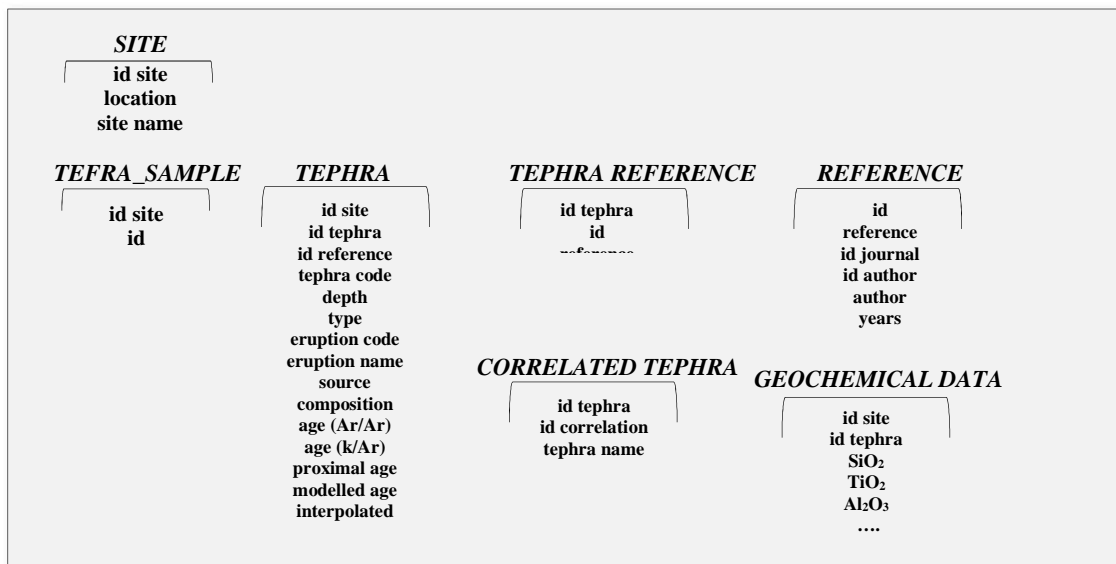


FIG. 1 – Entities recording data on tephra and cryptotephra.

In the whole Mediterranean Sea, tephra and cryptotephra have been analyzed in about 198 sediment cores for different purposes and about 1000 tephra layers are recorded into database.

This latter takes advantage of a link with a Geographical Information System (GIS) to draw for both geographical area and specific time interval the distribution of cores for which tephra layers were published.

As an example, Figures 2A, B and 3 show the distribution of the tephra e criptotephra related to the protohistoric interplinian activity, which occurred at Somma-Vesuvius between the Avellino (ca 3.9 cal ka, Sevink et al., 2011) and the 79 CE explosive events. During this time span a complex sequence of pyroclastic products was deposited and related at least to six main explosive events (AP1 to AP6; Andronico and Cioni, 2002). This activity has been described in detail at proximal sites, and more recently in the marine settings due to enhanced cryptotephra studies.

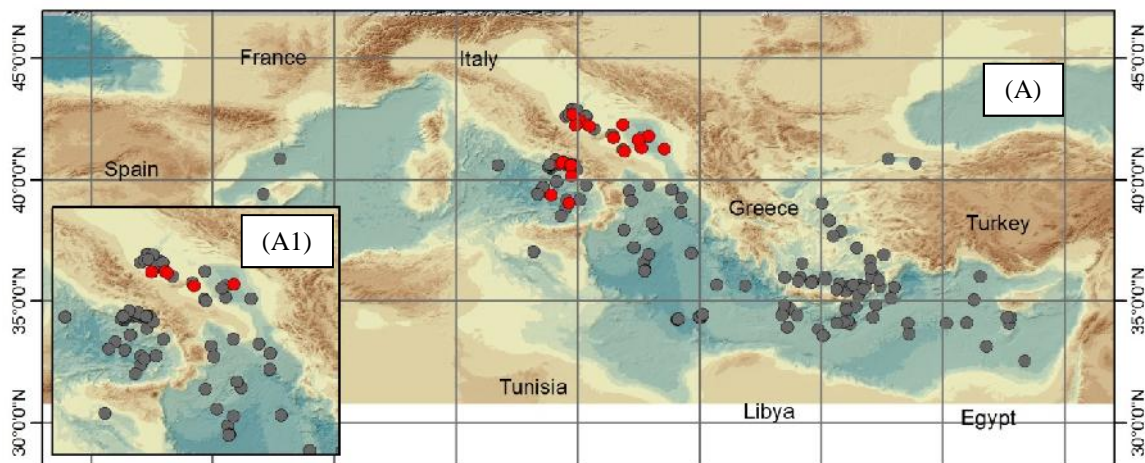


Fig.2 – Tephra outcomes from the data stored in WDB-Paleo (gray dots). (A) Occurrence of all AP related tephras (red dots) and (A1) occurrence of AP2 related tephra (ca. 3.5 cal ka in Santacroce et al., 2008- A1)

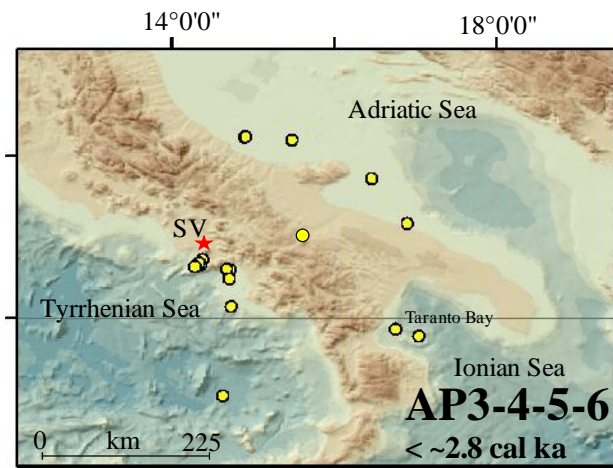


Fig.3 – Ash dispersal for the AP3-6 (< ca 2.8 cal ka; Rolandi et al., 1998) related tephra erupted during the interplinian activity of Somma-Vesuvius soon after the Avellino major event.

References

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Appendix A

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
BOS00A078	LC21	LC21_01	1.4	crypto	LC21(0.011)	Z2	Minoan or BO	Santorini	
BOS00A078	LC21	LC21_02	94.71.6	macro	LC21(0.940)	Z2	Minoan or BO	Santorini	
BOS00A078	LC21	LC21_03	200.5-199.5	crypto	LC21(2.005)			Santorini	
BOS00A078	LC21	LC21_04	322.5-321.5	crypto	LC21(3.225)			Santorini	
BOS00A078	LC21	LC21_05	377.5-376.5	crypto	LC21(3.775)			Santorini	
BOS00A078	LC21	LC21_06	428.5-427.5	crypto	LC21(4.285)	Yali-2		Kos/Yali/Nisyros	
BOS00A078	LC21	LC21_07	492.5-479.5	macro	LC21(4.925)	Y5	Campanian Ignimbrite	Campi Flegrei	
BOS00A078	LC21	LC21_07	492.5-479.5	macro	LC21(4.925)	Y5	Campanian Ignimbrite	Campi Flegrei	
BOS00A078	LC21	LC21_07	492.5-479.5	macro	LC21(4.925)	Y5	Campanian Ignimbrite	Campi Flegrei	
BOS00A078	LC21	LC21_08	512.5-507.5	crypto	LC21(5.125)			Santorini	
BOS00A078	LC21	LC21_09	791.5-790.5	crypto	LC21(7.915)	X-5/ X-6		Campania	
BOS00A078	LC21	LC21_09	791.5-790.5	crypto	LC21(7.915)	X-5/ X-6		Campania	
BOS00A078	LC21	LC21_10	791.5-790.5	crypto	LC21(7.915)			Santorini	
BOS00A078	LC21	LC21_11	957.5-956.5	crypto	LC21(9.575)			Santorini	
BOS00A078	LC21	LC21_12	970.9-970.7	macro	LC21(9.709)			Santorini	
BOS00A078	LC21	LC21_13	1034.5-1033.5	crypto	LC21(10.345)			Pantheria	
BOS00A078	LC21	LC21_14	1119.0-1077	macro	LC21(11.190)	W-2	Middle Pumice Series	Santorini	
BOS00A078	LC21	LC21_15	1234.5-1246.5	macro	LC21(12.465)			Kos/Yali/Nisyros	
BOS00A078	LC21	LC21_16	1261.0-1262.5	macro	LC21(12.625)			Kos/Yali/Nisyros	
BOS00A078	LC21	LC21_17	1273.5-1327.5	macro	LC21(13.275)			Kos/Yali/Nisyros	
BOS00A078	LC21	LC21_18	1336.5-1320.4	macro	LC21(13.405)			Kos/Yali/Nisyros	
BOS00A078	LC21	LC21_19	1344.0-1348.5	macro	LC21(13.485)			Kos/Yali/Nisyros	
BOS00A078	LC21	LC21_20	1034.5-1033.5	crypto	LC21(10.345)			Kos/Yali/Nisyros	
IAM00A003	C1161	C1161_1	262	crypto	C1161/1	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
IAM00A017	C1203	C1203_01	1757	macro	is1				
IAM00A017	C1203	C1203_02	396-392	crypto	is2		Pompei		
IAM00A027	GT2	GT2_01		crypto	not-reported		Pompei		
IAM00A027	GT2	GT2_01		crypto	not-reported		Pompei		
IAM00A027	GT2	GT2_01A	6.5	crypto	GT2-9		1794 CE	Somma-Vesuvius	
IAM00A027	GT2	GT2_02		crypto	not-reported		FL (Etna)		
IAM00A027	GT2	GT2_02A	11.5	crypto	GT2-8		1779 CE	Somma-Vesuvius	
IAM00A027	GT2	GT2_03		crypto	not-reported		Mercato		
IAM00A027	GT2	GT2_03		crypto	not-reported		Mercato		
IAM00A027	GT2	GT2_03A	47.5	crypto	GT2-7	MP	Monte Pilato/Rocche Rosse	Lipari	
IAM00A027	GT2	GT2_04A	43.5	crypto	GT2-6	MP	Monte Pilato/Rocche Rosse	Lipari	
IAM00A027	GT2	GT2_05A	92	crypto	GT2-5		Pompei	Somma-Vesuvius	
IAM00A027	GT2	GT2_06A	154	crypto	GT2-4	FL	FL	Etna	
IAM00A027	GT2	GT2_07A	288	crypto	GT2-3	GF	Gabellotto-Fiumebianco	Lipari	
IAM00A027	GT2	GT2_08A	298.5	crypto	GT2-2a	GF	Gabellotto-Fiumebianco	Lipari	
IAM00A027	GT2	GT2_09A	298.5	crypto	GT2-2b	M	Mercato	Somma-Vesuvius	
IAM00A027	GT2	GT2_10A	305	crypto	GT2-1	M	Mercato	Somma-Vesuvius	
IAM00A028	GT4	GT4_01		crypto	not-reported		Pompei		
IAM00A028	GT4	GT4_01		crypto	not-reported		Pompei		
IAM00A030	D1	D1_1	129	crypto	D1/7		Pompei	Somma-Vesuvius	
IAM00A030	D1	D1_2	171	crypto	D1/6	Z-1	Avellino	Somma-Vesuvius	
IAM00A030	D1	D1_3	194	crypto	D1/5		Averno2	Campi Flegrei	
IAM00A030	D1	D1_4	248	crypto	D1/4		Gabellotto-Fiumebianco	Lipari (Aeolian Arc)	
IAM00A030	D1	D1_5	255	crypto	D1/3		Gabellotto-Fiumebianco	Lipari (Aeolian Arc)	
IAM00A030	D1	D1_6	282.5	crypto	D1/2		Socavao 1	Campi Flegrei	
IAM00A030	D1	D1_7	325	crypto	D1/1		Socavao1	Campi Flegrei	
IAM00A035	GS1	GS1_1	19-17	macro			1730 AD	Somma-Vesuvius	
IAM00A035	GS1	GS1_10	210.5	crypto		AAMS	Agnano Monte Spina-Astroni	Campi Flegrei	
IAM00A035	GS1	GS1_11	217-216	macro		AAMS	Agnano Monte Spina-Astroni	Campi Flegrei	
IAM00A035	GS1	GS1_12	237	crypto			Averno 1	Campi Flegrei	
IAM00A035	GS1	GS1_13	264	crypto			Piano Liguori	Ischia	
IAM00A035	GS1	GS1_14	339	crypto			VM1	Somma-Vesuvius	
IAM00A035	GS1	GS1_15	339	crypto			Pigna San Nicola	Campi Flegrei	
IAM00A035	GS1	GS1_16	355	crypto			Pigna San Nicola	Campi Flegrei	
IAM00A035	GS1	GS1_17	415	crypto			Socavao 4	Campi Flegrei	
IAM00A035	GS1	GS1_18	421	crypto		APP	Agnano Pomici Principali	Campi Flegrei	
IAM00A035	GS1	GS1_19	437-429	crypto		APP	Agnano Pomici Principali	Campi Flegrei	
IAM00A035	GS1	GS1_20	26	crypto			1723 AD	Somma-Vesuvius	
IAM00A035	GS1	GS1_20	488-485.5	crypto			Socavao 1	Campi Flegrei	
IAM00A035	GS1	GS1_3	56-53	macro		AS3	AS3	Somma-Vesuvius	
IAM00A035	GS1	GS1_4	64-63	macro		AS2	AS2	Somma-Vesuvius	
IAM00A035	GS1	GS1_5	150-80	macro			Pompei	Somma-Vesuvius	
IAM00A035	GS1	GS1_6	184-183	macro		AP3	Interplinian activity between Avellino and Pompei	Somma-Vesuvius	
IAM00A035	GS1	GS1_7	190.5-189.5	macro		AP2	Interplinian activity between Avellino and Pompei	Somma-Vesuvius	
IAM00A035	GS1	GS1_8	199-198	macro		Z-1	Avellino	Somma-Vesuvius	
IAM00A035	GS1	GS1_9	199-198	macro		AAMS	Agnano Monte Spina-Astroni	Campi Flegrei	
IAM00A062	C5	C5_1	58	crypto	C5-58		1906	Vesuvius	
IAM00A062	C5	C5_2	319	crypto	C5-319		Vateliero	Ischia	
IAM00A062	C5	C5_3	403	crypto	C5-403		Capo Miseno	Campi Flegrei	
IAM00A062	C5	C5_4	403	crypto	C5-403		Astroni 6	Campi Flegrei	
IAM00A062	C5	C5_5	414	crypto	C5-414		Astroni 3	Campi Flegrei	
IAM00A062	C5	C5_6	437	crypto	C5-437		AMS	Campi Flegrei	
IAM00A076	C90 (1m)	C90-1m_01	65-55	crypto	is1		activity of the second half of the XVIII cent		
IAM00A077	C90	C90_01	178-172	crypto	V1		III medieval		
IAM00A077	C90	C90_02	290-217	macro	V2		Pompei		
IAM00A077	C90	C90_02	290-217	macro	V2		Pompei		
IAM00A077	C90	C90_03	361-351	macro	V3	AP	Interplinian activity between Avellino and Pompei		3.3
IAM00A077	C90	C90_04	290-217	macro	is2		Pompei		
IAM00A077	C90	C90_05	45-36	crypto	is1				
IAM00A077	C90	C90_06	284-221	macro	is2		Pompei		
IAM00A077	C90	C90_07	360-50	macro	is3	AP4	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_08	360-50	macro	is3-a	AP3	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_09	48-39	crypto	is1		1827		
IAM00A077	C90	C90_10	60-53	crypto	is1-a		1631-9		
IAM00A077	C90	C90_11	163-157	crypto	is1-b		III medieval		
IAM00A077	C90	C90_12	178-172	crypto	is1-g		Terzigno formation		
IAM00A077	C90	C90_13	290-217	macro	is2		Pompei		
IAM00A077	C90	C90_14	342-336	crypto	is2-a?	AP5	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_15	361-351	macro	is3	AP4	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_16	379-375	crypto	is3-a	AP3	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_17	412-408	crypto	is4		Astroni		
IAM00A077	C90	C90_18	48-39	crypto	is1		activity of the second half of the XVIII cent		
IAM00A077	C90	C90_19	178-172	crypto	is1-g		medieval		
IAM00A077	C90	C90_20	290-217	macro	is2		Pompei		
IAM00A077	C90	C90_21	361-351	macro	is3	AP6	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_22	379-375	crypto	is3-a	AP3	Interplinian activity between Avellino and Pompei		
IAM00A077	C90	C90_23	412-408	crypto	is4	AMS	Agnano Monte Spina		
IAM00A078	C836	C836_01	55-45	macro	V		1822		
IAM00A078	C836	C836_02	180-170	crypto	V1		III medieval		
IAM00A078	C836	C836_03	330-220	macro	V2		Pompei		
IAM00A078	C836	C836_03	330-220	macro	V2		Pompei		
IAM00A078	C836	C836_04	395-390	macro	V3	AP	Interplinian activity between Avellino and Pompei		3.3
IAM00A078	C836	C836_05	55-45	crypto	is1		activity of the second half of the XVIII cent		
IAM00A078	C836	C836_06	180-170	crypto	is1-g		medieval		
IAM00A078	C836	C836_07	330-220	macro	is2		Pompei		
IAM00A078	C836	C836_08	395-390	macro	is3	AP6	Interplinian activity between Avellino and Pompei		
IAM00A078	C836	C836_09	410-400	crypto	is3-a	AP3	Interplinian activity between Avellino and Pompei		
IAM00A078	C836	C836_10	441-435	crypto	is4	AMS	Agnano Monte Spina		
IAM00A078	C836	C836_11	540	macro	is4-a	NYT	Neapolitan Yellow Tuff		
IAM00A078	C836	C836_11	540	macro	is4-a	NYT	Neapolitan Yellow Tuff		
IAM00A078	C836	C836_11	540	macro	is4-a	NYT	Neapolitan Yellow Tuff		
IAM00A091	C124	C124_01	182-140	macro	is2		Pompei		
IAM00A097	C87	C87_01	53-26	macro	in1		IV medieval		
IAM00A097	C87	C87_02	120-116	macro	in2		III medieval		
IAM00A097	C87	C87_03	120-116	macro	in2		III medieval		
IAM00A098	C82	C82_01	270-196	macro	in4		Pompei		
IAM00A098	C82	C82_02	81-64	macro	in1		IV medieval		
IAM00A098	C82	C82_03	119-109	macro	in2	Terzigno formation	III medieval		
IAM00A098	C82	C82_04	133-125	macro	in3		II medieval		
IAM00A098	C82	C82_05	351-328	macro	in5		Interplinian activity between Avellino and Pompei		
IAM00B002	C81	C81_01	196-155	macro	in4		Pompei		
IAM00B005	C4	C4_01	169-79	macro	in4		Pompei		
IAM00B006	C73	C73_01	125-78	macro	in4		Pompei		
IAM00B006	C73	C73_02	26-24	macro	in1		IV medieval		
IAM00B006	C73	C73_03	42-39	macro	in2	Terzigno formation	III medieval		
IAM00B006	C73	C73_04	54-36	macro	in3		II medieval		
IAM00B006	C73	C73_05	156-151	macro	in5	AP3	Interplinian activity between Avellino and Pompei		
IAM00B009	C70	C70_01	148-82	macro	in4		Pompei		
IAM00B009	C70	C70_02	41-24	macro	in1		IV medieval		

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
LC21_01				
LC21_02		3345±750 cal yrs (Manning et al., 2006)		
LC21_03				12018±349 cal yrs
LC21_04				21653±575 cal yrs
LC21_05				27481±719 - 27354±706 cal yrs
LC21_06				32894±502 - 32992±503 cal yrs
LC21_07		39.28±0.11 (Ar/Ar)		
LC21_07		39.28±0.11 (Ar/Ar)		
LC21_07		39.28±0.11 (Ar/Ar)		
LC21_07		39.28±0.11 (Ar/Ar)		
LC21_08				42532±1015 - 43617±1159 cal yrs cal yrs
LC21_09				103980±2020 - 104100±2050 BP
LC21_09				103980±2020 - 104100±2050 BP
LC21_10				103980±2020 - 104100±2050 BP
LC21_11				125653±2829 - 125708±2819 yrs
LC21_12				126440±2691 yrs
LC21_13				133469±2000 yrs
LC21_14				152588±9324 yrs
LC21_15				≥ 152580 yrs
LC21_16				≥ 152580 yrs
LC21_17				≥ 152580 yrs
LC21_18				≥ 152580 yrs
LC21_19				≥ 152580 yrs
LC21_20				133469±2000 yrs
C1161_1		14.9±0.4 ka (Ar/Ar)		
C1203_01				
C1203_02				
GT2_01				
GT2_01				
GT2_01A		1794 CE		
GT2_02		3370±70 cal yrs (Sulpizio et al., 2010)		
GT2_02A		1779 CE		
GT2_03		8540±50 cal yrs (Zanchetta et al., 2011)		
GT2_03		8540±50 cal yrs (Zanchetta et al., 2011)		
GT2_03A		760 CE-1220 ± 30 CE (Tanguy et al., 2003)		
GT2_04A		761 CE-1220 ± 30 CE (Tanguy et al., 2003)		
GT2_05A		79 CE		
GT2_06A		3.4 cal ka (Coltelli et al., 2000)		
GT2_07A			8464-8644 cal yr (Siani et al., 2004)	
GT2_08A			8464-8644 cal yr (Siani et al., 2004)	
GT2_09A		8494-8586 cal yrs (Zanchetta et al., 2011)		
GT2_10A		8494-8586 cal yrs (Zanchetta et al., 2011)		
GT4_01				
GT4_01				
D1_1		79 AD		
D1_2		3935-3955 cal years (Sevink et al., 2011)		
D1_3		4153-4386 cal years (modelled age, Smith et al., 2011)		
D1_4		8378-8422 cal years (Siani et al., 2004)		
D1_5		8378-8422 cal years (Siani et al., 2004)		
D1_6				
D1_7		11,915-12,721 cal years (modelled age, Smith et al., 2011)		
GS1_1				
GS1_10		4240-4680 cal years (modelled age, Smith et al., 2011)		
GS1_11		4240-4680 cal years (modelled age, Smith et al., 2011)		
GS1_12		5064-5431 cal years (modelled age, Smith et al., 2011)		
GS1_13		5240-5746 cal years (Orsi et al., 1996)		
GS1_14		-		
GS1_15		9201-9533 cal years (modelled age, Smith et al., 2011)		
GS1_16		9201-9533 cal years (modelled age, Smith et al., 2011)		
GS1_17		10,516-12,158 cal years (modelled age, Smith et al., 2011)		
GS1_18		11,915-12,158 cal years (modelled age, Smith et al., 2011)		
GS1_19		11,915-12,158 cal years (modelled age, Smith et al., 2011)		
GS1_2				
GS1_20		11,915-12,721 cal years (modelled age, Smith et al., 2011)		
GS1_3		1270±35 cal years (Santacroce et al., 2008)		
GS1_4		1470±60 cal years (Santacroce et al., 2008)		
GS1_5				
GS1_6		2830±50 cal years (Rolandi et al., 1998)		
GS1_7		ca. 3500-3600 cal years (Passariello et al., 2010)		
GS1_8		3935-3955 cal years (Sevink et al., 2011)		
GS1_9		4240-4680 cal years (modelled age, Smith et al., 2011)		
C5_1				1906
C5_2				800-620 BCE
C5_3				3700 ± 500
C5_4				4297-4192c
C5_5				4098-4297
C5_6				4482-4625
C90-Im_01				
C90_01				
C90_02				
C90_03				
C90_04				
C90_05			484±29	
C90_06				
C90_07				
C90_08		2710±60 (14C)		
C90_09				
C90_10				
C90_11				
C90_12				
C90_13				
C90_14				
C90_15				
C90_16				
C90_17				
C90_18				
C90_19				
C90_20				
C90_21				
C90_22				
C90_23				
C836_01				
C836_02				
C836_03				
C836_03				
C836_04				
C836_05				
C836_06				
C836_07				
C836_08				
C836_09				
C836_10				
C836_11		14,900±0,400 (Ar/Ar)		
C836_11		14,900±0,400 (Ar/Ar)		
C836_11		14,900±0,400 (Ar/Ar)		
C124_01				
C87_01				
C87_02				
C87_03				
C82_01				
C82_02			1286±28	
C82_03				
C82_04				
C82_05		2710±60 (14C)		
C81_01				
C4_01				
C73_01				
C73_02				
C73_03				
C73_04				
C73_05		2710±60 (14C)		
C70_01				
C70_02				

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
LC21_01				reworked	LC21_01
LC21_02	rhyolite				LC21_02
LC21_03	rhyolite			MODELLED AGE BASE 12143±346 cal yrs	LC21_03
LC21_04	rhyolite			MODELLED AGE BASE 21751±581 cal yrs	LC21_04
LC21_05	trachydacite/rhyolite				LC21_05
LC21_06	rhyolite				LC21_06
LC21_07	phonolite-trachyte				LC21_07_01
LC21_07	phonolite-trachyte				LC21_07_02
LC21_07	phonolite-trachyte				LC21_07_03
LC21_07	phonolite-trachyte				LC21_07_04
LC21_08	rhyolite				LC21_08
LC21_09	phonolite-trachyte				LC21_09_01
LC21_09	phonolite-trachyte				LC21_09_02
LC21_10	rhyolite				LC21_10
LC21_11	andesite-dacite-trachydacite				LC21_11
LC21_12	dacite-trachydacite				LC21_12
LC21_13	pantellerite				LC21_13
LC21_14	basaltic andesite to rhyolite				LC21_14_01
LC21_15	rhyolite				LC21_15
LC21_16	rhyolite				LC21_16
LC21_17	rhyolite				LC21_17
LC21_18	rhyolite				LC21_18
LC21_19	rhyolite				LC21_19
LC21_20	rhyolite				LC21_20
C1161_1	Trachyphonolite-Latite-Tephriphonolite				
C1203_01					C1203_01
C1203_02					C1203_02
GT2_01					GT2_01_01
GT2_01					GT2_01_02
GT2_01A	Tephrite to Phonotephrite		1794 CE		
GT2_02					GT2_02
GT2_02A	Tephrite to Phonotephrite		1779 CE		
GT2_03					GT2_03_01
GT2_03					GT2_03_02
GT2_03A	HK-CA Rhyolite		760 CE-1220 ± 30CE		
GT2_04A	HK-CA Rhyolite		760 CE-1220 ± 30CE		
GT2_05A	Phonolite		79 CE		
GT2_06A	Mugearite/Benmoreite				
GT2_07A	HK-CA Rhyolite				
GT2_08A	HK-CA Rhyolite				
GT2_09A	Phonolite				
GT2_10A	Phonolite				
GT4_01					GT4_01_01
GT4_01					GT4_01_02
D1_1	Phonolite with minor tephriphonolite component		79 AD		
D1_2	Latite, tephriphonolite to phonolite				D1_2_01
D1_3	Trachyte				
D1_4	HK-CA Rhyolite				
D1_5	HK-CA Rhyolite				
D1_6					
D1_7	Phonolite				D1_7_01
GS1_1	Tephrite to Phonotephrite		1730 AD		
GS1_10	Phonolite				
GS1_11	Phonolite				
GS1_12	Trachyphonolite				
GS1_13	Trachyte				
GS1_14	Phonolite				
GS1_15	Trachyphonolite				
GS1_16	Trachyphonolite				
GS1_17	Trachyphonolite				
GS1_18	Trachyphonolite				
GS1_19	Trachyphonolite				
GS1_2	Phonotephrite		1723 AD		
GS1_20	Phonolite				
GS1_3	Tephrite with minor Phonotephritic component				
GS1_4	Tephrite to Phonotephrite				
GS1_5	not analysed		79		
GS1_6	Tephriphonolite				
GS1_7	Tephriphonolite to Phonolite				
GS1_8	Latite, Tephriphonolite to Phonolite				
GS1_9	Phonolite				
C5_1	tephri-phonolite				
C5_2	Trachyte/tephri-phonolite/latite				
C5_3	Trachy-phonolite				
C5_4	Trachy-phonolite				
C5_5	Trachy-phonolite/trachyte/latite				
C5_6	Trachy-phonolite				
C90-Im_01		1715±5 AD-1765±3 AD			C90-Im_01
C90_01					C90_01
C90_02					C90_02_01
C90_02					C90_02_02
C90_03					C90_03
C90_04					C90_04
C90_05					C90_05
C90_06					C90_06
C90_07					C90_07
C90_08					C90_08
C90_09		1745±80 AD			C90_09
C90_10		1690±80 AD			C90_10
C90_11		715±65 AD			C90_11
C90_12		542±50 AD			C90_12
C90_13					C90_13
C90_14		2.87±0.80		reworked?	C90_14
C90_15		3.3±0.1			C90_15
C90_16		4.53±0.11			C90_16
C90_17					C90_17
C90_18		1715±5 AD-1765±3 AD			C90_18
C90_19		542±26 AD			C90_19
C90_20					C90_20
C90_21		3.484±0.033			C90_21
C90_22					C90_22
C90_23		4.422±0.058			C90_23
C836_01					C836_01
C836_02					C836_02
C836_03					C836_03_01
C836_03					C836_03_02
C836_04				palaeomagnetic age	C836_04
C836_05		1715±5 AD-1765±3 AD			C836_05
C836_06		542±26 AD			C836_06
C836_07					C836_07
C836_08		3.484±0.033			C836_08
C836_09					C836_09
C836_10		4.422±0.058			C836_10
C836_11					C836_11_03
C836_11					C836_11_01
C836_11					C836_11_02
C124_01					C124_01
C87_01					C87_01
C87_02					C87_02
C87_03					C87_03
C82_01					C82_01
C82_02					C82_02
C82_03					C82_03
C82_04					C82_04
C82_05					C82_05
C81_01					C81_01
C4_01					C4_01
C73_01					C73_01
C73_02					C73_02
C73_03					C73_03
C73_04					C73_04
C73_05					C73_05
C70_01					C70_01
C70_02					C70_02

id tephra	Relation with other tephra code	biblio relation
LC21_01		
LC21_02		
LC21_03		
LC21_04		
LC21_05		
LC21_06		
LC21_07	C-13	
LC21_07	I-3	
LC21_07	PRAD 1653	
LC21_07	T1598	
LC21_08		
LC21_09	I-9	
LC21_09	II	
LC21_10		
LC21_11		
LC21_12		
LC21_13		
LC21_14	W-2	
LC21_15		
LC21_16		
LC21_17		
LC21_18		
LC21_19		
LC21_20		
C1161_1		
C1203_01		
C1203_02		
GT2_01	s2	Sacchi et al., 2005 and Insinga et al., 2008
GT2_01	n4	Sacchi et al., 2005 and Insinga et al., 2008
GT2_01A		
GT2_02		
GT2_02A		
GT2_03	V-1	
GT2_03	V-1	
GT2_03A		
GT2_04A		
GT2_05A		
GT2_06A		
GT2_07A		
GT2_08A		
GT2_09A		
GT2_10A		
GT4_01	s2	Sacchi et al., 2005 and Insinga et al., 2008
GT4_01	n4	Sacchi et al., 2005 and Insinga et al., 2008
D1_1		
D1_2	I-1	
D1_3		
D1_4		
D1_5		
D1_6		
D1_7	Z-1	
GS1_1		
GS1_10		
GS1_11		
GS1_12		
GS1_13		
GS1_14		
GS1_15		
GS1_16		
GS1_17		
GS1_18		
GS1_19		
GS1_2		
GS1_20		
GS1_3		
GS1_4		
GS1_5		
GS1_6		
GS1_7		
GS1_8		
GS1_9		
C5_1		
C5_2		
C5_3		
C5_4		
C5_5		
C5_6		
C90-Im_01		
C90_01		
C90_02	s2	Sacchi et al., 2005 and Insinga et al., 2008
C90_02	n4	Sacchi et al., 2005 and Insinga et al., 2008
C90_03		
C90_04		
C90_05		
C90_06		
C90_07	V3	Iorio et al., 2004
C90_08		
C90_09	V	Iorio et al., 2004
C90_10		
C90_11		
C90_12		
C90_13	V2	Iorio et al., 2004
C90_14		
C90_15	V3	Iorio et al., 2004
C90_16		
C90_17		
C90_18		
C90_19		
C90_20		
C90_21		
C90_22		
C90_23		
C836_01		
C836_02		
C836_03	s2	Sacchi et al., 2005 and Insinga et al., 2008
C836_03	n4	Sacchi et al., 2005 and Insinga et al., 2008
C836_04		
C836_05		
C836_06		
C836_07		
C836_08		
C836_09		
C836_10		
C836_11	C-2	
C836_11	T640	
C836_11	PRAD 218	
C124_01	V2	Iorio et al., 2004
C87_01		
C87_02		
C87_03		
C82_01		
C82_02		
C82_03		
C82_04		
C82_05		
C81_01		
C4_01		
C73_01		
C73_02		
C73_03		
C73_04		
C73_05		
C70_01		
C70_02		

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
C70_03				
C70_04				
C70_05		2710±60 (14C)		
C14-1				
C14-2				
C71_01				
C71_02		2710±60 (14C)		
C65_01				
C69_01				
CS48_01				
CS48_02			60:340 AD	
CS48_03			2190±90 yrs	
CI074_01			60:340 AD	
SW104-ND-14Q_1				1631
SW104-ND-14Q_2				472
SW104-ND-14Q_3				472
SW104-ND-14Q_4				79
C106_01				
C106_01D			79 A.D.	
C106_02				
C106_02				
C106_02D			26030±/-150	
C106_03				
C106_04				
C106_05				
C106_06				
C106_07				
C106_08				
C106_09				
C106_10				
C106_11				
C106_12				
Te55_01				
Te55_02			60:340 AD	
Te55_03			2190±90 yrs	
Cs11_01				
Cs11_02			60:340 AD	
Cs11_03			2190±90 yrs	
RF95-30_01			3100-3700	
RF95-7_01				
RF95-7_02		138 ka (Laurenzi and Villa, 1987)		
RF95-7_03				
RF95-7_04		between 140-147 ka (Vezzoli, 1988)		
RF95-7_05		151±/±3 ka (Laurenzi and Villa, 1987)		
RF95-7_06				
RF95-7_07				
RF95-7_08				
AMC99-7_01		4625-4297 cal years		
AMC99-7_01		4625-4297 cal years		
CSS00-07_01		4625-4297 cal years		
CSS00-07_01		4625-4297 cal years		
CSS00-07_01		4625-4297 cal years		
CSS00-07_01		4625-4297 cal years		
COS01-16_01		2710±60 (14C)		
COS01-16_01		2710±60 (14C)		
COS01-16_02		3170±110 years BP		
COS01-16_02		3170±110 years BP		
COS01-16_03		4625-4297 cal years		
COS01-16_03		4625-4297 cal years		
COS01-16_03		4625-4297 cal years		
COS01-16_03		4625-4297 cal years		
CSS00-12_01				
CSS00-12_02		2710±60 (14C)		
CSS00-12_03		4625-4297 cal years		
CSS00-12_03		4625-4297 cal years		
IN68-22_01				
PAL94-09_01		4625-4297 cal years		
PAL94-09_01		4625-4297 cal years		
PAL94-09_01		4625-4297 cal years		
PAL94-09_01		4625-4297 cal years		
PAL94-8_01				
PAL94-8_02			13600-14700	
PAL94-8_03			13600-14700	
PAL94-8_04			16200-17900	
PAL94-8_05			16200-17900	
RF95-12_01		3136-3735 (età di Andronico e Cioni, 2002 cal.)	2700-2900	
RF95-12_02			3100-3700	
RF95-12_03		14,900±400 (Demo et al., 2004)	13600-14700	
RF95-12_04		14,900±400 (Demo et al., 2004)	13600-14700	
RF95-11_01		3551-4158 (età calibrata di Andronico e Cioni, 2002)	3600-4200	
RF95-11_01D		3170±110 years BP		
RF95-11_02		4,1±/±0,1 ka (De Vita et al., 1999)		
RF95-11_02D		4625-4297 cal years		
RF95-11_02D		4625-4297 cal years		
RF95-11_03		8154-9691 (età cal di Andronico et al., 1995)	8100-9700	
RF95-11_03D		8540±50 cal yrs (zanchetta et al., 2011)		
RF95-11_03D		8540±50 cal yrs (zanchetta et al., 2011)		
RF95-11_03D		8540±50 cal yrs (zanchetta et al., 2011)		
RF95-13_03		3136-3735 (età di Andronico e Cioni, 2002 cal.)	2700-2900	
RF95-13_04		4,1±/±0,1 ka (De Vita et al., 1999)		
RF95-13_05		11,972-12,385 (età di Di Vito et al., 1999 cal)	12000-12400	
RF95-13_06		11,972-12,385 (età di Di Vito et al., 1999 cal)	12000-12400	
RF95-14_01		2710±60 (14C)		
RF95-14_02		3170±110 years BP		
RF95-13_01		3136-3735 (età di Andronico e Cioni, 2002 cal.)	2700-2900	
RF95-13_02		3551-4158 (età calibrata di Andronico e Cioni, 2002)	3600-4200	
650A_01				
650A_02				
650A_03				
650A_04				
650A_05				
650A_06				
650A_07				
650A_08				
650A_09				
650A_10				
650A_11				
650A_12				
650A_13				
650A_14				
650A_15				
650A_16				
650A_17				
650A_18				
650A_19				
650A_20	133.1 ±/±3.3 ka.			
650A_21				
650A_22				
650A_23				
650A_24				
650A_25				
650A_26				
650A_27				
650A_28				
650A_29				
650A_30				
650A_31				
963A_01		45,7±1,0 (Scaillet et al., 2013)		
963A_02				
963A_03		126.8±1.5 (La Felice et al., 2009)		
963A_04				
963A_05		189±6 (Mahood and Hildreth, 1986)		
963A_06		189±6 (Mahood and Hildreth, 1986)		

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
C70_03					C70_03
C70_04					C70_04
C70_05					C70_05
C14-1	Phonolite			unpublished	
C14-2	Trachyte			unpublished	C14-2
C71_01					C71_01
C71_02					C71_02
C65_01					C65_01
C69_01					C69_01
C848_01		1301±70 AD			C848_01
C848_02					C848_02
C848_03					C848_03
C1074_01					C1074_01
SW104-ND-14Q_1	Phonolite				
SW104-ND-14Q_2	Tephraphonolite-foiidite				
SW104-ND-14Q_3	Foidite				
SW104-ND-14Q_4	Phonolite				
C106_01					C106_01
C106_01D	Phonolite				C106_01D
C106_02					C106_02
C106_02					C106_02_01
C106_02D	Trachyte			C14 age in Buccheri et al., 2002 not calibrated	C106_02D
C106_03					C106_03
C106_04		1745±80 AD			C106_04
C106_05		1690±80 AD			C106_05
C106_06		715±65 AD			C106_06
C106_07		542±50 AD			C106_07
C106_08					C106_08
C106_09		2.87±0.80		reworked?	C106_09
C106_10		3.3±0.1			C106_10
C106_11		3.7±0.11			C106_11
C106_12		4.53±0.11			C106_12
Te55_01		1301±70 AD			Te55_01
Te55_02					Te55_02
Te55_03					Te55_03
Cs11_01		1301±70 AD			Cs11_01
Cs11_02					Cs11_02
Cs11_03					Cs11_03
RF95-30_01	phonolite				RF95-30_01
RF95-7_01	phonolite				RF95-7_01
RF95-7_02	phonolite				RF95-7_02
RF95-7_03	phonolite				RF95-7_03
RF95-7_04	phonolite				RF95-7_04
RF95-7_05	phonolite				RF95-7_05
RF95-7_06	phonolite				RF95-7_06
RF95-7_07	trachyte				RF95-7_07
RF95-7_08	trachyte				RF95-7_08
AMC99-7_01					AMC99-7_01
AMC99-7_02					AMC99-7_02
CSS00-07_01					CSS00-07_01_01
CSS00-07_01					CSS00-07_01_02
CSS00-07_01					CSS00-07_01_01
CSS00-07_01					CSS00-07_01_02
COS01-16_01					COS01-16_01
COS01-16_01					COS01-16_01
COS01-16_02					COS01-16_02
COS01-16_02					COS01-16_02
COS01-16_03					COS01-16_03_01
COS01-16_03	phonolite				COS01-16_03_02
COS01-16_03					COS01-16_03_01
COS01-16_03					COS01-16_03_02
CSS00-12_01					CSS00-12_01
CSS00-12_02					CSS00-12_02
CSS00-12_03					CSS00-12_03_01
CSS00-12_03					CSS00-12_03_02
IN68-22_01	trachyte				IN68-22_01
PAL94-09_01					PAL94-09_01_01
PAL94-09_01					PAL94-09_01_02
PAL94-09_01					PAL94-09_01_01
PAL94-09_01					PAL94-09_01_02
PAL94-8_01	trachyte				PAL94-8_01
PAL94-8_02	trachyte				PAL94-8_02
PAL94-8_03	trachyte				PAL94-8_03
PAL94-8_04	trachyte-benmoreite				PAL94-8_04
PAL94-8_05	trachyte-benmoreite				PAL94-8_05
RF95-12_01	phonolite				RF95-12_01
RF95-12_02	phonolite				RF95-12_02
RF95-12_03	trachyte				RF95-12_03
RF95-12_04	trachyte				RF95-12_04
RF95-11_01	phonolite				RF95-11_01
RF95-11_01D					RF95-11_01D
RF95-11_02	trachyte				RF95-11_02
RF95-11_02D					RF95-11_02D_01
RF95-11_02D					RF95-11_02D_02
RF95-11_03	phonolite				RF95-11_03
RF95-11_03D					RF95-11_03D_01
RF95-11_03D					RF95-11_03D_02
RF95-11_03D					RF95-11_03D_03
RF95-11_03D					RF95-11_03D_04
RF95-13_03	phonolite				RF95-13_03
RF95-13_04	trachyte				RF95-13_04
RF95-13_05	trachyte				RF95-13_05
RF95-13_06	trachyte				RF95-13_06
RF95-14_01					RF95-14_01
RF95-14_02					RF95-14_02
RF95-13_01	phonolite				RF95-13_01
RF95-13_02	phonolite				RF95-13_02
650A_01	HK-CA and SHO				650A_01
650A_02	HK-CA and SHO				650A_02
650A_03	HK-CA and SHO				650A_03
650A_04	trachy-phonolite				650A_04
650A_05	trachy-phonolite				650A_05
650A_06	trachy-phonolite				650A_06
650A_07	trachy-phonolite				650A_07
650A_08	trachyte				650A_08
650A_09	trachyte				650A_09
650A_10	trachyte				650A_10
650A_11	trachyte				650A_11
650A_12	trachyte				650A_12
650A_13	trachyte				650A_13
650A_14	trachyte				650A_14
650A_15	trachyte				650A_15
650A_16	trachyte				650A_16
650A_17	trachy-phonolite				650A_17
650A_18	trachy-phonolite				650A_18
650A_19	trachy-phonolite				650A_19
650A_20	trachyte				650A_20
650A_21	rhyolite				650A_21
650A_22	basalt to rhyolite				650A_22
650A_23	basalt to rhyolite				650A_23
650A_24	basalt to rhyolite				650A_24
650A_25	rhyolite				650A_25
650A_26	HK-CA and CA				650A_26
650A_27	rhyolite				650A_27
650A_28	rhyodacite				650A_28
650A_29	rhyolite				650A_29
650A_30	rhyolite				650A_30
650A_31	rhyolite				650A_31
963A_01		42.5			963A_01
963A_02		127.5			963A_02
963A_03		128.1			963A_03
963A_04		129.1			963A_04
963A_05		188.7			963A_05
963A_06		197.7			963A_06

id tephra	Relation with other tephra code	biblio relation
C70_03		
C70_04		
C70_05		
C14-1		
C14-2	CET1-1	Morabito et al., 2014
C71_01		
C71_02		
C65_01		
C69_01		
CS48_01		
CS48_02	CET1_1	morabito et al., 2014
CS48_03	10_3	Pateme et al., 1988
CI074_01	CET1_1	morabito et al., 2014
SW104-ND-14Q_1		
SW104-ND-14Q_2		
SW104-ND-14Q_3		
SW104-ND-14Q_4		
C106_01		
C106_01D		
C106_02	is4	from Sacchi et al., 2005 and Insinga et al., 2008
C106_02	is2	from Sacchi et al., 2005 and Insinga et al., 2008
C106_02D	Y-3	
C106_03		
C106_04	V	from Iorio et al., 2004
C106_05		
C106_06	V1	from Iorio et al., 2004
C106_07		
C106_08	V2	from Iorio et al., 2004
C106_09		
C106_10	V3	from Iorio et al., 2004
C106_11		
C106_12		
Te55_01		
Te55_02	CET1_1	morabito et al., 2014
Te55_03	10_3	Pateme et al., 1988
Cs11_01		
Cs11_02	CET1_1	morabito et al., 2014
Cs11_03	10_3	Pateme et al., 1988
RF95-30_01	TM3c	
RF95-7_01	V2	Keller et al., 1978
RF95-7_02		
RF95-7_03	W1	Keller et al., 1978
RF95-7_04		
RF95-7_05		
RF95-7_06	V2	Keller et al., 1978
RF95-7_07	V2 keller et al., 1978	Keller et al., 1978
RF95-7_08		
AMC99-7_01	is4	
AMC99-7_01	T153	
CSS00-07_01	is4	
CSS00-07_01	T153	
CSS00-07_01	is4	
CSS00-07_01	T153	
COS01-16_01	is3	
COS01-16_01	is3	
COS01-16_02		
COS01-16_02		
COS01-16_03	is4	
COS01-16_03	T153	
COS01-16_03	is4	
COS01-16_03	T153	
CSS00-12_01		
CSS00-12_02	is3	
CSS00-12_03	is4	
CSS00-12_03	T153	
IN68-22_01	TM5	
PAL94-09_01	is4	
PAL94-09_01	T153	
PAL94-09_01	is4	
PAL94-09_01	T153	
PAL94-8_01	TM5	
PAL94-8_02	C2	
PAL94-8_03	TM8	
PAL94-8_04	Y-1	Keller et al., 1978
PAL94-8_05	TM13	
RF95-12_01	TM3b	
RF95-12_02	TM3c	
RF95-12_03	C2	
RF95-12_04	TM8	
RF95-11_01	TM4	
RF95-11_01D		
RF95-11_02	TM5	
RF95-11_02D	T153	
RF95-11_02D	is4	
RF95-11_03	V-1	
RF95-11_03D	MD 90-918 230	
RF95-11_03D	core GT2	
RF95-11_03D	V-1	
RF95-11_03D	TM3c	
RF95-13_03	TM3b	
RF95-13_04	TM5	
RF95-13_05	C1	
RF95-13_06	TM7	
RF95-14_01	is3	
RF95-14_02		
RF95-13_01	TM3b	
RF95-13_02	TM4	
650A_01		
650A_02		
650A_03		
650A_04		
650A_05		
650A_06		
650A_07		
650A_08		
650A_09		
650A_10		
650A_11		
650A_12		
650A_13		
650A_14		
650A_15		
650A_16		
650A_17		
650A_18		
650A_19		
650A_20		
650A_21		
650A_22		
650A_23		
650A_24		
650A_25		
650A_26		
650A_27		
650A_28		
650A_29		
650A_30		
650A_31		
963A_01	Y-6	
963A_02		
963A_03	P-11	(Pateme et al., 2008)
963A_04		
963A_05	P-13	(Pateme et al., 2008)
963A_06	P-15	(Pateme et al., 2008)

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
964A 01				
964A 01				
968A 01				
968A 02				
968A 03				
968A 04				
969A 01				
969A 02				
964F 01				
964F 01				
964F 02				
964F 02				
964F 03				
964F 03				
967F 01				
967F 02				
GT89-3 01				
GT89-3 02				
GT89-3 03				
Gs8B15403-4 1				
Gs8B15403-4 2				1180 years
DED87-08 01				
DED87-08 02				
DED87-08 03				
DED87-08 04				
DED87-08 05				
DED87-08 06				
DED87-08 07				
DED87-08 08				
DED87-08 09				
DED87-08 10				
DED87-08 11				
DED87-08 12				
DED87-08 13				
DED87-08 14				
DED87-08 15				
DED87-08 16				
DED87-08 17				
DED87-08 18				
DED87-08 19				
DED87-08 20				
DED87-08 21				
DED87-08 22				
IN68-21 01				
IN68-21 02			13600-14700	
IN68-21 03			13600-14700	
KC01B 01		16965-17670 cal years BP (Siani et al., 2001)		
KC01B 02				
KC01B 03				
KC01B 04		39,28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		
KC01B 05				
KC01B 06				
KC01B 07				
KC01B 08				
KC01B 09				
KC01B 10				
KC01B 11				
KC01B 12				
KC01B 13				
KC01B 14				
KC01B 15				
KC01B 16				
KC01B 17				
KET 8004 01				
KET 8004 02				
KET 8004 03				
KET 8004 04				
KET 8004 05				
KET 8004 06				
KET 8004 07				
KET 8004 08				
KET 8004 09			12.3 ka	
KET 8004 10			12.3 ka	
KET 8004 11				
KET 8004 12				
KET 8004 13				
KET 8004 14				
KET 8004 15			19.62 ka	
KET 8004 16				
KET 8004 17				
KET 8004 18				
KET 8004 19			33.50 ka	
KET 8004 20				
KET 8004 21				
KET 8004 22				
KET 8004 23				
KET 8004 24				
KET 8004 25				
KET 8004 26				
KET 8004 27				
KET 8004 28			40 ka	
KET 8004 29				
KET 8004 30				
KET 8004 31				
KET 8004 32				
KET 8004 33				
KET 8004 34				
KET 8004 35				
KET 8004 36				
KET 8004 37				
KET 8004 38				
KET 8004 39				
KET 8004 40				
KET 8004 41				
KET 8004 42				
KET 8004 43				
KET 8004 44				
KET 8004 45				
KET 8004 46				
KET 8004 47				
KET 8004 48				
KET 8004 49				
KET 8004 50				
KET 8004 51				
KET 8004 52				
KET 8004 53				
KET 8004 54				
KET 8004 55				
KET 8004 56				
KET 8004 57				
KET 8004 58				
KET 8004 59				
KET 8004 60				
KET 8004 61				
KET80-04 01		39,28±0.11 (Ar/Ar)		
84MD638 01				
84MD648 01		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
84MD648 02				
84MD648 03				
MD90-917 01				
MD90-917 02			12000-12400	
MD90-917 03			12000-12400	
MD90-917 04			13600-14700	
MD90-917 05			13600-14700	

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
964A 01		283			964A 01
964A 01		283			964A 01
968A 01		77			968A 01
968A 02		312			968A 02
968A 03		301			968A 03
968A 04		342			968A 04
969A 01		46			969A 01
969A 02		85 ka			969A 02
964F 01		99.4			964F 01
964F 01		99.4			964F 01
964F 02		191 ka			964F 02
964F 02		191 ka			964F 02
964F 03		184			964F 03
964F 03		184			964F 03
967F 01		51			967F 01
967F 02		220			967F 02
GT89-3 01				peaks of pyroxene concentrations	GT89-3 01
GT89-3 02					GT89-3 02
GT89-3 03					GT89-3 03
GesB15403-4_1	Tephrite		1944		
GesB15403-4_2					
DED87-08 01	trachyte				DED87-08 01
DED87-08 02	trachyte				DED87-08 02
DED87-08 03	trachyte				DED87-08 03
DED87-08 04	trachyte				DED87-08 04
DED87-08 05	trachyte				DED87-08 05
DED87-08 06	trachyte				DED87-08 06
DED87-08 07	trachyte				DED87-08 07
DED87-08 08	phonolite				DED87-08 08
DED87-08 09	Tephrite-basamite				DED87-08 09
DED87-08 10	benmoreite				DED87-08 10
DED87-08 11	trachyte				DED87-08 11
DED87-08 12	trachyte				DED87-08 12
DED87-08 13	phono-tephryte				DED87-08 13
DED87-08 14	Trachy-andesite to basaltic trachy-andesite				DED87-08 14
DED87-08 15	trachyte				DED87-08 15
DED87-08 16	trachyte				DED87-08 16
DED87-08 17	trachyte				DED87-08 17
DED87-08 18	Trachyphonolite to phonolite				DED87-08 18
DED87-08 19	trachyte				DED87-08 19
DED87-08 20	dacite				DED87-08 20
DED87-08 21	trachyte				DED87-08 21
DED87-08 22	trachyte				DED87-08 22
IN68-21 01	trachyte				IN68-21 01
IN68-21 02	trachyte				IN68-21 02
IN68-21 03	trachyte				IN68-21 03
KC01B 01		16.7			KC01B 01
KC01B 02		18.3-18.7			KC01B 02
KC01B 03		34.1			KC01B 03
KC01B 04		39.1			KC01B 04
KC01B 05		52.6			KC01B 05
KC01B 06		59.5			KC01B 06
KC01B 07		71.8			KC01B 07
KC01B 08		82.8			KC01B 08
KC01B 09		95.1			KC01B 09
KC01B 10		110.5			KC01B 10
KC01B 11		142.9			KC01B 11
KC01B 12		150.8			KC01B 12
KC01B 13		154.5			KC01B 13
KC01B 14		161.9			KC01B 14
KC01B 15		167.2			KC01B 15
KC01B 16		171.6			KC01B 16
KC01B 17		191.2			KC01B 17
KET 8004 01	alkali-trachyte	5.7 ka	79 AD		KET 8004 01
KET 8004 02	trachyte	5.7 ka	79 AD		KET 8004 02
KET 8004 03	rhyolite	7 ka			KET 8004 03
KET 8004 04	alkali-trachyte	7 ka			KET 8004 04
KET 8004 05	trachyte	8.40 ka			KET 8004 05
KET 8004 06	alkali-trachyte	8.90 ka			KET 8004 06
KET 8004 07	trachyte	9.76 ka			KET 8004 07
KET 8004 08	alkali-trachyte	11.90 ka			KET 8004 08
KET 8004 09	tephritic series				KET 8004 09
KET 8004 10	trachyte				KET 8004 10
KET 8004 11	trachyte	13.20 ka			KET 8004 11
KET 8004 12	alkali-trachyte	13.90 ka			KET 8004 12
KET 8004 13	alkali-trachyte	14.40 ka	79 AD		KET 8004 13
KET 8004 14	alkali-trachyte	19.62 ka			KET 8004 14
KET 8004 15	trachybasalt				KET 8004 15
KET 8004 16	trachyte	24.10 ka			KET 8004 16
KET 8004 17	alkali-trachyte	26.40 ka			KET 8004 17
KET 8004 18	trachyte	26.90 ka			KET 8004 18
KET 8004 19	trachyte		79 AD		KET 8004 19
KET 8004 20	trachyte	33.70 ka	79 AD		KET 8004 20
KET 8004 21	alkali-trachyte	33.70 ka			KET 8004 21
KET 8004 22	alkali-trachyte	34.70 ka			KET 8004 22
KET 8004 23	alkali-trachyte	35.20 ka			KET 8004 23
KET 8004 24	dacite	35.20 ka			KET 8004 24
KET 8004 25	alkali-trachyte	36.00 ka			KET 8004 25
KET 8004 26	alkali-trachyte	36.60 ka			KET 8004 26
KET 8004 27	alkali-trachyte	38.70 ka			KET 8004 27
KET 8004 28	alkali-trachyte				KET 8004 28
KET 8004 29	alkali-trachyte	40.50 ka			KET 8004 29
KET 8004 30	alkali-trachyte	41.80 ka			KET 8004 30
KET 8004 31	trachyte	41.80 ka			KET 8004 31
KET 8004 32	alkali-trachyte	46.70 ka			KET 8004 32
KET 8004 33	alkali-trachyte				KET 8004 33
KET 8004 34	alkali-trachyte				KET 8004 34
KET 8004 35	alkali-trachyte	57.20 ka			KET 8004 35
KET 8004 36	alkali-trachyte	60.30 ka			KET 8004 36
KET 8004 37	trachyte	60.30 ka			KET 8004 37
KET 8004 38	alkali-trachyte	60.70 ka			KET 8004 38
KET 8004 39	alkali-trachyte	62.20 ka			KET 8004 39
KET 8004 40	trachyte	62.30 ka			KET 8004 40
KET 8004 41	alkali-trachyte	65.00 ka			KET 8004 41
KET 8004 42	trachyte	67.50 ka			KET 8004 42
KET 8004 43	alkali-trachyte	68.50 ka			KET 8004 43
KET 8004 44	alkali-trachyte	71.00 ka			KET 8004 44
KET 8004 45	alkali-trachyte	72.20 ka			KET 8004 45
KET 8004 46	alkali-trachyte	75.70 ka			KET 8004 46
KET 8004 47	Rhyolite	77.10 ka			KET 8004 47
KET 8004 48	trachyte	89.80 ka			KET 8004 48
KET 8004 49	trachyte	100.60 ka			KET 8004 49
KET 8004 50	trachyte	103.30 ka			KET 8004 50
KET 8004 51	trachyte	103.30 ka	1302 AD		KET 8004 51
KET 8004 52	trachyte	123.2 ka	I-II cent AD		KET 8004 52
KET 8004 53	trachyte	134.6 ka	IV cent. B.C.		KET 8004 53
KET 8004 54	trachyte	143.4 ka	1302 AD		KET 8004 54
KET 8004 55	benmoreite	148.4 ka	I-II cent AD		KET 8004 55
KET 8004 56	dacite	148.4 ka	IV cent. B.C.		KET 8004 56
KET 8004 57	trachyte	160.8 ka	1302 AD		KET 8004 57
KET 8004 58	trachyte	174.5 ka	I-II cent AD		KET 8004 58
KET 8004 59	phono-tephryte	181.5 ka	IV cent. B.C.		KET 8004 59
KET 8004 60	Trachy-andesite to basaltic trachy-andesite	183 ka	1302 AD		KET 8004 60
KET 8004 61	trachyte	189.4 ka	I-II cent AD		KET 8004 61
KET80-04 01					KET80-04 01
84MD638 01	rhyolite	160 ka BP			84MD638 01
84MD648 01	rhyolite				84MD648 01
84MD648 02	trachyandesite-trachydacite	150 ka BP			84MD648 02
84MD648 03	rhyolite	160 ka BP			84MD648 03
MD90-917 01	trachyte				MD90-917 01
MD90-917 02	trachyte				MD90-917 02
MD90-917 03	trachyte				MD90-917 03
MD90-917 04	trachyte				MD90-917 04
MD90-917 05	trachyte				MD90-917 05

id tephra	Relation with other tephra code	biblio relation
964A 01		
964A 01		
968A 01		
968A 02		
968A 03		
968A 04		
969A 01		
969A 02		
964F 01		
964F 01		
964F 02		
964F 02		
964F 03		
964F 03		
967F 01		
967F 02		
GT89-3 01		
GT89-3 02		
GT89-3 03		
Gs8B15403-4 1		
Gs8B15403-4 2		
DED87-08 01		
DED87-08 02		
DED87-08 03		
DED87-08 04		
DED87-08 05		
DED87-08 06		
DED87-08 07		
DED87-08 08		
DED87-08 09		
DED87-08 10		
DED87-08 11		
DED87-08 12		
DED87-08 13		
DED87-08 14		
DED87-08 15		
DED87-08 16		
DED87-08 17		
DED87-08 18		
DED87-08 19		
DED87-08 20		
DED87-08 21		
DED87-08 22		
IN68-21 01	TM5	
IN68-21 02	C2	
IN68-21 03	TM8	
KC01B 01	Y-1	
KC01B 02		
KC01B 03		
KC01B 04	Y-5	
KC01B 05		
KC01B 06		
KC01B 07		
KC01B 08	X-4	?
KC01B 09		
KC01B 10	X-6	
KC01B 11	W-1	?
KC01B 12		
KC01B 13		
KC01B 14	P-12	
KC01B 15	Y-0	
KC01B 16		
KC01B 17		
KET 8004 01		
KET 8004 02		
KET 8004 03	C0	
KET 8004 04	C0	
KET 8004 05	C0-1	
KET 8004 06		
KET 8004 07		
KET 8004 08		
KET 8004 09		
KET 8004 10	C2	
KET 8004 11		
KET 8004 12		
KET 8004 13	C3	
KET 8004 14	C5	
KET 8004 15	C4	Puterne et al. (1988)
KET 8004 16	C6	
KET 8004 17		
KET 8004 18	C7	
KET 8004 19	C10	
KET 8004 20		
KET 8004 21		
KET 8004 22		
KET 8004 23	C05	
KET 8004 24		
KET 8004 25	C9	
KET 8004 26	C11	
KET 8004 27	C12	
KET 8004 28	C13	
KET 8004 29		
KET 8004 30	C14	
KET 8004 31	C14	
KET 8004 32	C15	
KET 8004 33	C16	
KET 8004 34	C17	
KET 8004 35	C106	
KET 8004 36	C18	
KET 8004 37	C18	
KET 8004 38		
KET 8004 39		
KET 8004 40		
KET 8004 41	C07	
KET 8004 42	C20	
KET 8004 43		
KET 8004 44	C08	
KET 8004 45		
KET 8004 46		
KET 8004 47		
KET 8004 48	C22	
KET 8004 49	C26	
KET 8004 50	C27	
KET 8004 51	C31	
KET 8004 52	C36	
KET 8004 53	C39	
KET 8004 54	C41	
KET 8004 55	B-3	
KET 8004 56	E24	
KET 8004 57	C44	
KET 8004 58	C48	
KET 8004 59	C50	
KET 8004 60	C51	
KET 8004 61	C52	
KET80-04 01	Y-5	
84MD638 01		
84MD648 01	γ-1	
84MD648 02		
84MD648 03		
MD90-917 01	TM5	
MD90-917 02	C1	
MD90-917 03	TM7	
MD90-917 04	C2	
MD90-917 05	TM8	

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
PAN01N030	MD90-917	MD90-917 06	435	macro	MD90-917 435	BMI	Biancavilla	Etna	
PAN01N030	MD90-917	MD90-917 07	435	macro	MD90-917 435	BMI	Biancavilla	Etna	
PAN01N030	MD90-917	MD90-917 08	490	macro	MD90-917 490	LA	Lago Amendolare	Campi Flegrei	
PAN01N030	MD90-917	MD90-917 09	595	macro	MD90-917 595	BP	Basal Pumice	Somma-Vesuvius	
REF00A001	NS-40	NS40 01	38		Z2	Z2	Thera	Santorini	
REF00A003	AD91-17	AD91-17 1	170-171	macro	170-171	GF	Gabellotto-Fiumebianco	Lipari (Aeolian Arc)	
REF00A003	AD91-17	AD91-17 2	190-191	macro	190-191	M	Mercato	Somma-Vesuvius	
REF00A003	AD91-17	AD91-17 3	195-196	macro	195-196	M	Mercato	Somma-Vesuvius	
REF00A014	C1106	C1106 01		macro	IT3		Cava Bianca (Ischia)		
REF00A015	C1107	C1107 01	15	macro	IT1		Arso (Ischia)		
REF00A015	C1107	C1107 02	34	macro	IT2		Cretaio (Ischia)		
REF00A015	C1107	C1107 03	147	macro	IT3		Cava Bianca (Ischia)		
REF00A015	C1107	C1107 04	250	macro	IT4		Punta Imperatore (Ischia)		
REF00A015	C1107	C1107 05	20	macro	IT5		Solchiaro (Procida)		
REF00A016	C1108	C1108 01	24	macro	IT1		Arso (Ischia)		
REF00A017	C1109bis	C1109bis 01	25	macro	IT2		Cretaio (Ischia)		
REF00A017	C1109bis	C1109bis 02	35	macro	IT3		Cava Bianca (Ischia)		
REF00A020	C45	C45 01	25-32	macro	C45-B1	79 A.D.	Pompeii eruption	Somma-Vesuvius	
REF00A020	C45	C45 02	380-383	macro	C45-B2			Campi Flegrei	
REF00A020	C45	C45 03	460-463.5	macro	C45-B3	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A025	CM92-43	CM92-43 01	150	macro	CM92-43 150	AMST	Agnano Monte Spina	Campi Flegrei	
REF00A025	CM92-43	CM92-43 02	605	macro	CM92-43 605	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A025	CM92-43	CM92-43 03	605	macro	CM92-43 605	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A038	IN68-5	IN68-5 01	259	macro	IN68-5 259		Mercato Pumice	Somma-Vesuvius	
REF00A038	IN68-5	IN68-5 02	259	macro	IN68-5 259		Mercato Pumice	Somma-Vesuvius	
REF00A038	IN68-5	IN68-5 03	262	macro	IN68-5 262	APP	Agnano Pomici Principali	Campi Flegrei	
REF00A038	IN68-5	IN68-5 04	262	macro	IN68-5 262	APP	Agnano Pomici Principali	Campi Flegrei	
REF00A046	MD90-918	MD90-918 01		macro	MD 90-918 01	MP	Monte Pilato (Lipari)		
REF00A046	MD90-918	MD90-918 02		crypto	MD 90-918 175	MA group	Interplian activity between Mercato and Pompei		
REF00A046	MD90-918	MD90-918 03		crypto	MD 90-918 185	MA group	Interplian activity between Mercato and Pompei		
REF00A046	MD90-918	MD90-918 04		crypto	MD 90-918 210	Phase III	last phases of Mercato		
REF00A046	MD90-918	MD90-918 05	219-216	crypto	MD 90-918 218	GF	Gabellotto-Fiumebianco (Lipari)		
REF00A046	MD90-918	MD90-918 06	219-216	crypto	MD 90-918 218	GF	Gabellotto-Fiumebianco (Lipari)		
REF00A046	MD90-918	MD90-918 07		crypto	MD 90-918 223		Mercato		
REF00A046	MD90-918	MD90-918 08		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 09		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 10		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 11		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 12		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 13		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 14		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 15		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 16		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 17		crypto	MD 90-918 230		Mercato		
REF00A046	MD90-918	MD90-918 18		crypto	MD 90-918 230		Mercato		
REF00A049	NS-14	NS14 01	17		Z2	Z2	Thera	Santorini	
REF00A064	Z1	Z1 01	11	macro	Z-1		Avellino	Somma-Vesuvius	
REF00A064	Z1	Z1 02	108	macro	L9		Pumiet di Base	Somma-Vesuvius	
REF00A064	Z1	Z1 03	102	macro	L8		Greenish Pumice	Somma-Vesuvius	
REF00A064	Z1	Z1 04	95	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A064	Z1	Z1 05	37	macro	Y-1		Mercato?		
REF00A098	IN68-9	IN68-9 01	20	macro	IN68-9 20	AP2	Interplian activity between Avellino and Pompei	Somma-Vesuvius	
REF00A098	IN68-9	IN68-9 02	30	macro	IN68-9 30	AMST	Agnano Monte Spina	Campi Flegrei	
REF00A098	IN68-9	IN68-9 03	125	macro	IN68-9 125	M	Mercato Pumice	Somma-Vesuvius	
REF00A098	IN68-9	IN68-9 04	125	macro	IN68-9 125	M	Mercato Pumice	Somma-Vesuvius	
REF00A098	IN68-9	IN68-9 05	178	macro	IN68-9 178	APP	Agnano Pomici Principali	Campi Flegrei	
REF00A098	IN68-9	IN68-9 06	178	macro	IN68-9 178	APP	Agnano Pomici Principali	Campi Flegrei	
REF00A098	IN68-9	IN68-9 07	225	macro	IN68-9 225	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A098	IN68-9	IN68-9 08	225	macro	IN68-9 225	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A098	IN68-9	IN68-9 09	525	macro	IN68-9 525	BP	Basal Pumice	Somma-Vesuvius	
REF00A109	KET80-03	KET 8003 01	0	n.e.	KET8003-0			Eolian Province	
REF00A109	KET80-03	KET 8003 02	0	n.e.	KET8003-0			Eolian Province	
REF00A109	KET80-03	KET 8003 03	10	n.e.	KET8003-10			Campania	
REF00A109	KET80-03	KET 8003 04	60	n.e.	KET8003-60	E1		Eolian Province	
REF00A109	KET80-03	KET 8003 05	130	n.e.	KET8003-130	E2		Eolian Province	
REF00A109	KET80-03	KET 8003 06	154	n.e.	KET8003-154			Eolian Province	
REF00A109	KET80-03	KET 8003 07	170	n.e.	KET8003-170	E1		Etna	
REF00A109	KET80-03	KET 8003 08	170	n.e.	KET8003-170	C3		Campania	
REF00A109	KET80-03	KET 8003 09	260	n.e.	KET8003-260			Eolian Province	
REF00A109	KET80-03	KET 8003 10	300	n.e.	KET8003-300	C10		Campania	
REF00A109	KET80-03	KET 8003 11	300	n.e.	KET8003-300	E10		Eolian Province	
REF00A109	KET80-03	KET 8003 12	340	n.e.	KET8003-340	E11		Eolian Province	
REF00A109	KET80-03	KET 8003 13	363	n.e.	KET8003-363	C13		Campania	
REF00A109	KET80-03	KET 8003 14	380	n.e.	KET8003-380	C14		Campania	
REF00A109	KET80-03	KET 8003 15	380	n.e.	KET8003-380	C14		Campania	
REF00A109	KET80-03	KET 8003 16	414	n.e.	KET8003-414			Eolian Province	
REF00A109	KET80-03	KET 8003 17	414	n.e.	KET8003-414			Eolian Province	
REF00A109	KET80-03	KET 8003 18	473	n.e.	KET8003-473			Eolian Province	
REF00A109	KET80-03	KET 8003 19	480	n.e.	KET8003-480	C16		Campania	
REF00A109	KET80-03	KET 8003 20	554	n.e.	KET8003-554			Eolian Province	51,00 ka
REF00A109	KET80-03	KET 8003 21	566	n.e.	KET8003-566	C17		Campania	
REF00A109	KET80-03	KET 8003 22	592	n.e.	KET8003-592			Eolian Province	55,40 ka
REF00A109	KET80-03	KET 8003 23	615	n.e.	KET8003-615			Eolian Province	
REF00A109	KET80-03	KET 8003 24	632	n.e.	KET8003-632			Eolian Province	
REF00A109	KET80-03	KET 8003 25	652	n.e.	KET8003-652	C18		Campania	
REF00A109	KET80-03	KET 8003 26	694	n.e.	KET8003-694			Eolian Province	
REF00A109	KET80-03	KET 8003 27	694	n.e.	KET8003-694			Eolian Province	
REF00A109	KET80-03	KET 8003 28	703	n.e.	KET8003-703	C20		Eolian Province	
REF00A109	KET80-03	KET 8003 29	710	n.e.	KET8003-710			Eolian Province	
REF00A109	KET80-03	KET 8003 30	754	n.e.	KET8003-754			Eolian Province	
REF00A109	KET80-03	KET 8003 31	754	n.e.	KET8003-754			Eolian Province	
REF00A109	KET80-03	KET 8003 32	761	n.e.	KET8003-761	C20		Campania	
REF00A109	KET80-03	KET 8003 33	855	n.e.	KET8003-855			Eolian Province	
REF00A109	KET80-03	KET 8003 34	860	n.e.	KET8003-860			Eolian Province	
REF00A109	KET80-03	KET 8003 35	880	n.e.	KET8003-880			Eolian Province	
REF00A109	KET80-03	KET 8003 36	880	n.e.	KET8003-880			Eolian Province	
REF00A109	KET80-03	KET80-03 01	263	macro	C-13	CI	Campanian Ignimbrite		41.1±2.1 ka (Ar/Ar)
REF00A152	80KB28	80KB28 01	ca 20	macro	Z-2		Minoan	Santorini	
REF00A152	80KB28	80KB28 02	ca 120	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A152	80KB28	80KB28 03	ca 120	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A152	80KB28	80KB28 04	ca 120	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A152	80KB28	80KB28 05	ca 120	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A152	80KB28	80KB28 06	330-327	macro	W-2		Middle Pumice Series	Santorini	
REF00A152	80KB28	80KB28 07	367-363	macro	W-3		Kos Plateau Pumice	Kos	
REF00A152	80KB28	80KB28 08	ca 430	macro	Y				
REF00A153	80KB33	KB33 01	ca 25	macro	Z-2		Minoan	Santorini	
REF00A153	80KB33	KB33 02	1157-114	macro	Yali-C		Yali-C		
REF00A153	80KB33	KB33 03	359-355	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A153	80KB33	KB33 04	359-355	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A153	80KB33	KB33 05	359-355	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A153	80KB33	KB33 06	359-355	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A175	M254-12	M254-12 01	ca 10	macro	Z-1		Avellino (Somma-Vesuvius)		
REF00A175	M254-12	M254-12 02	ca 120	macro	Y-3		Tuffi Biancastri	CF	
REF00A175	M254-12	M254-12 03	ca 120	macro	Y-3		Tuffi Biancastri	CF	
REF00A175	M254-12	M254-12 04	ca 180	macro	Y-5	CI	Campanian Ignimbrite	CF	
REF00A175	M254-12	M254-12 05	ca 180	macro	Y-5	CI	Campanian Ignimbrite	CF	
REF00A175	M254-12	M254-12 06	ca 180	macro	Y-5	CI	Campanian Ignimbrite	CF	
REF00A175	M254-12	M254-12 07	ca 180	macro	Y-5	CI	Campanian Ignimbrite	CF	
REF00A175	M254-12	M254-12 08	ca 215						

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
MD90-917_06			16200-17900	
MD90-917_07			16200-17900	
MD90-917_08			15100-15800	
MD90-917_09			20250-22200	
NS40_01		3.581±32 cal		
AD91-17_1		8378-8422 cal years (Siani et al., 2004)		
AD91-17_2		8630-8430 cal years (Zanchetta et al., 2011)		
AD91-17_3		8630-8430 cal years (Zanchetta et al., 2011)		
C1106_01			2190±90 yrs	
C1107_01				
C1107_02			60±340 AD	
C1107_03			2190±90 yrs	
C1107_04		17.8±3.2 ka		
C1107_05		<23490±280 cal yrs (De Astis et al., 2004)		
C1108_01			22630±70 yrs	
C1109bis_01			60±340 AD	
C1109bis_02			2190±90 yrs	
C45_01			79 A.D.	
C45_02			25570±/-110	
C45_03				
CM92-43_01		4.1±/0.1 ka (De Vita et al., 1999)		
CM92-43_02			13600-14700	
CM92-43_03			13600-14700	
IN68-5_01		8154-9691 (età cal di Andronico et al., 1995)	8100-9700	
IN68-5_02		8154-9691 (età cal di Andronico et al., 1995)	8100-9700	
IN68-5_03		11.972-12.385 (età di Di Vito et al., 1999 cal)	12000-12400	
IN68-5_04		11.972-12.385 (età di Di Vito et al., 1999 cal)	12000-12400	
MD90-918_01		1200-1240 AD	1321-1349 AD	
MD90-918_02			7000±50 cal yrs	
MD90-918_03				
MD90-918_04				
MD90-918_05			8207±50 cal yrs	
MD90-918_05			8207±50 cal yrs	
MD90-918_06		9.1 ka (Delibrias et al., 1979)		
MD90-918_07		9.1 ka (Delibrias et al., 1979)	9000±40 cal yrs	
MD90-918_07		9.1 ka (Delibrias et al., 1979)	9000±40 cal yrs	
MD90-918_07		9.1 ka (Delibrias et al., 1979)	9000±40 cal yrs	
MD90-918_08			19400±140 cal yrs	
NS14_01		3.581±32 cal		
ZI_01		3160±100 cal		
ZI_02		22.112±284 cal		19100
ZI_03				16900
ZI_04				
ZI_05				
IN68-9_01		2744-2946 (età cal di Andronico e Ciomi, 2002)	3100-3700	
IN68-9_02		4.1±/0.1 ka (De Vita et al., 1999)		
IN68-9_03		8154-9691 (età cal di Andronico et al., 1995)	8100-9700	
IN68-9_04		8154-9691 (età cal di Andronico et al., 1995)	8100-9700	
IN68-9_05		11.972-12.385 (età di Di Vito et al., 1999 cal)	12000-12400	
IN68-9_06		11.972-12.385 (età di Di Vito et al., 1999 cal)	12000-12400	
IN68-9_07		14.900-400 (Deino et al., 2004)	13600-14700	
IN68-9_08		14.900-400 (Deino et al., 2004)	13600-14700	
IN68-9_09		18.300±150, and 18.220±120 (uncalibrated)	20250-22200	
KET 8003_01				
KET 8003_02				
KET 8003_03				
KET 8003_04				
KET 8003_05			12.97 ka	
KET 8003_06				
KET 8003_07			14,18 ka	
KET 8003_08				
KET 8003_09				
KET 8003_10			33,50 ka	
KET 8003_11				
KET 8003_12				
KET 8003_13			40 ka	
KET 8003_14				
KET 8003_15				
KET 8003_16				
KET 8003_17				
KET 8003_18				
KET 8003_19				
KET 8003_20				
KET 8003_21				
KET 8003_22				
KET 8003_23				
KET 8003_24				
KET 8003_25				
KET 8003_26				
KET 8003_27				
KET 8003_28				
KET 8003_29				
KET 8003_30				
KET 8003_31				
KET 8003_32				
KET 8003_33				
KET 8003_34				
KET 8003_35				
KET 8003_36				
KET80-03_01				
80KB28_01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
80KB28_02		39.28±0.11 (Ar/Ar)		
80KB28_02		39.28±0.11 (Ar/Ar)		
80KB28_02		39.28±0.11 (Ar/Ar)		
80KB28_02		39.28±0.11 (Ar/Ar)		
80KB28_03				
80KB28_04				
80KB28_05				
KB33_01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
KB33_02				
KB33_03		39.28±0.11 (Ar/Ar)		
KB33_03		39.28±0.11 (Ar/Ar)		
KB33_03		39.28±0.11 (Ar/Ar)		
KB33_03		39.28±0.11 (Ar/Ar)		
M25/4-12_01		3945±10 cal years BP (sevink et al., 2011)		
M25/4-12_02				28,895-29,248 cal years BP (Bronk Ramsey et al., 2014)
M25/4-12_02				28,895-29,248 cal years BP (Bronk Ramsey et al., 2014)
M25/4-12_03		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		
M25/4-12_03		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		
M25/4-12_03		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		
M25/4-12_03		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		
M25/4-12_04		45.7±1.0 (Scaillet et al., 2013)		
M25/4-12_05		56.5±3 ka (in Sbrana e Toccaceli, 2011)		
M25/4-12_05		56.5±3 ka (in Sbrana e Toccaceli, 2011)		
M25/4-12_06				
M25/4-12_07				
M25/4-12_08				
M25/4-12_08				
M25/4-12_09				
M25/4-12_10				
M25/4-12_11				
M25/4-12_12				
RC9 183_01				
RC9 183_02				
RC9 183_03				
RC9 183_04				
RC9 183_05				
RC9 183_06				
RC9-183_01				
RC9 183_07				
RC9 185_01				
RC9 185_02				
RC9 185_03				
RC9 185_04				

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
MD90-917 06	trachyte-benmoreite				MD90-917 06
MD90-917 07	trachyte-benmoreite				MD90-917 07
MD90-917 08	trachyte				MD90-917 08
MD90-917 09	trachyte				MD90-917 09
NS40 01	rhyolite				NS40 01
AD91-17 1	HK-CA Rhyolite				
AD91-17 2	Phonolite				
AD91-17 3	phonolite				
C1106 01					C1106 01
C1107 01		1301±70 AD			C1107 01
C1107 02					C1107 02
C1107 03					C1107 03
C1107 04		17.5 ka			C1107 04
C1107 05					C1107 05
C1108 01		1301±70 AD			C1108 01
C1109bis 01					C1109bis 01
C1109bis 02					C1109bis 02
C45 01	Phonolite				C45 01
C45 02	Trachyte				C45 02
C45 03	Trachyte				C45 03
CM92-43 01	trachyte				CM92-43 01
CM92-43 02	trachyte				CM92-43 02
CM92-43 03	trachyte				CM92-43 03
IN68-5 01	phonolite				IN68-5 01
IN68-5 02	phonolite				IN68-5 02
IN68-5 03	trachyte				IN68-5 03
IN68-5 04	trachyte				IN68-5 04
MD90-918 01				archaeomagnetic age (Arrighi et al., 2006)	MD90-918 01
MD90-918 02					MD90-918 02
MD90-918 03		7.3			MD90-918 03
MD90-918 04		8.1			MD90-918 04
MD90-918 05					MD90-918 05 01
MD90-918 05					MD90-918 05 02
MD90-918 06		8.6			MD90-918 06
MD90-918 07					MD90-918 07 02
MD90-918 07					MD90-918 07 03
MD90-918 07					MD90-918 07 01
MD90-918 08					MD90-918 08
NS14 01	rhyolite				NS14 01
Z1 01	phonolite				Z1 01
Z1 02	trachyte			età definita su un'altro carota (Siani et al., 2004)	Z1 02
Z1 03	trachyte				Z1 03
Z1 04	benmoreite-trachyte				Z1 04
Z1 05					Z1 05
IN68-9 01	phonolite				IN68-9 01
IN68-9 02	trachyte				IN68-9 02
IN68-9 03	phonolite				IN68-9 03
IN68-9 04	phonolite				IN68-9 04
IN68-9 05	trachyte				IN68-9 05
IN68-9 06	trachyte				IN68-9 06
IN68-9 07	trachyte				IN68-9 07
IN68-9 08	trachyte				IN68-9 08
IN68-9 09	trachyte				IN68-9 09
KET 8003 01	rhyolite	1,70 ka	IV cent. B.C.		KET 8003 01
KET 8003 02	tephritic series	1,70 ka			KET 8003 02
KET 8003 03	alkali-trachyte	2,55 ka			KET 8003 03
KET 8003 04	rhyolite	7,00 ka	1302 AD		KET 8003 04
KET 8003 05	rhyolite		I-II cent AD		KET 8003 05
KET 8003 06	Eolian Trachyte	13,90 ka	IV cent. B.C.		KET 8003 06
KET 8003 07	Basalt		I-II cent AD		KET 8003 07
KET 8003 08	alkali-trachyte	14,40 ka	IV cent. B.C.		KET 8003 08
KET 8003 09	rhyolite	27,60 ka			KET 8003 09
KET 8003 10	trachyte				KET 8003 10
KET 8003 11	tephritic series	35,20 ka			KET 8003 11
KET 8003 12	rhyolite	35,20 ka			KET 8003 12
KET 8003 13	alkali-trachyte				KET 8003 13
KET 8003 14	alkali-trachyte	41,80 ka			KET 8003 14
KET 8003 15	trachyte	41,80 ka			KET 8003 15
KET 8003 16	tephritic series	44,80 ka			KET 8003 16
KET 8003 17	rhyolite	44,80 ka			KET 8003 17
KET 8003 18	dacite	50,40 ka			KET 8003 18
KET 8003 19	alkali-trachyte				KET 8003 19
KET 8003 20	dacite	54,70 ka			KET 8003 20
KET 8003 21	alkali-trachyte				KET 8003 21
KET 8003 22	dacite	56,80 ka			KET 8003 22
KET 8003 23	dacite	58,10 ka			KET 8003 23
KET 8003 24	dacite	59,30 ka			KET 8003 24
KET 8003 25	alkali-trachyte	60,30 ka			KET 8003 25
KET 8003 26	dacite	65,00 ka	79 AD		KET 8003 26
KET 8003 27	rhyo-dacite	65,00 ka			KET 8003 27
KET 8003 28	andesite	65,30 ka			KET 8003 28
KET 8003 29	rhyo-dacite	65,60 ka	79 AD		KET 8003 29
KET 8003 30	rhyo-dacite	67,20 ka			KET 8003 30
KET 8003 31	andesite	67,20 ka	472 AD		KET 8003 31
KET 8003 32	trachyte	67,50 ka			KET 8003 32
KET 8003 33	rhyo-dacite	76,80 ka			KET 8003 33
KET 8003 34	andesite	77,10 ka			KET 8003 34
KET 8003 35	rhyo-dacite	78,50 ka			KET 8003 35
KET 8003 36	rhyolite	78,50 ka			KET 8003 36
KET80-03 01					KET80-03 01
80KB28 01					80KB28 01
80KB28 02					80KB28 02 04
80KB28 02					80KB28 02 03
80KB28 02					80KB28 02 01
80KB28 02					80KB28 02 02
80KB28 03		150 ka BP			80KB28 03
80KB28 04		160 ka BP			80KB28 04
80KB28 05					80KB28 05
KB33 01					KB33 01
KB33 02					KB33 02
KB33 03					KB33 03 01
KB33 03					KB33 03 02
KB33 03					KB33 03 03
KB33 03					KB33 03 04
M25/4-12 01					M25/4-12 01
M25/4-12 02					M25/4-12 02 01
M25/4-12 02					M25/4-12 02 02
M25/4-12 03					M25/4-12 03 01
M25/4-12 03					M25/4-12 03 04
M25/4-12 03					M25/4-12 03 02
M25/4-12 03					M25/4-12 03 03
M25/4-12 04		45 ka			M25/4-12 04
M25/4-12 05		50 ka			M25/4-12 05 01
M25/4-12 05		50 ka			M25/4-12 05 02
M25/4-12 06		70 ka			M25/4-12 06
M25/4-12 07		105			M25/4-12 07
M25/4-12 08		110			M25/4-12 08 01
M25/4-12 08		110			M25/4-12 08 02
M25/4-12 09		140			M25/4-12 09
M25/4-12 10					M25/4-12 10
M25/4-12 11		170			M25/4-12 11
M25/4-12 12					M25/4-12 12
RC9 183 01	Andesite				RC9 183 01
RC9 183 02	Trachyte				RC9 183 02
RC9 183 03	dacite				RC9 183 03
RC9 183 04	trachyte				RC9 183 04
RC9 183 05	rhyodacite				RC9 183 05
RC9 183 06	tephrite				RC9 183 06
RC9-183 01		50			RC9-183 01
RC9 183 07					RC9 183 07
RC9 185 01	Leucite-tephrite	3 ka			RC9 185 01
RC9 185 02	trachyte	37 ka			RC9 185 02
RC9 185 03	Andesite	79 ka			RC9 185 03
RC9 185 04	rhyodacite	155 ka			RC9 185 04

id tephra	Relation with other tephra code	biblio relation
MD90-917 06	Y-1	Keller et al., 1978
MD90-917 07	TM13	
MD90-917 08	TM10d	
MD90-917 09	TM13	
NS40 01		
AD91-17 1		
AD91-17 2		
AD91-17 3		
CI106 01	10 3	Pateme et al., 1988
CI107 01		
CI107 02	CET1 1	morabito et al., 2014
CI107 03	10 3	Pateme et al., 1988
CI107 04	C-3	Pateme et al., 1988
CI107 05	C-4	Pateme et al., 1988
CI108 01		
CI109bis 01	CET1 1	morabito et al., 2014
CI109bis 02	10 3	Pateme et al., 1988
C45 01		
C45 02		
C45 03		
CM92-43 01	TM5	
CM92-43 02	C2	
CM92-43 03	TM8	
IN68-5 01	V-1	
IN68-5 02	TM6	
IN68-5 03	C1	
IN68-5 04	TM7	
MD90-918 01	TIR2000-7	
MD90-918 02		
MD90-918 03		
MD90-918 04		
MD90-918 05	TIR2000-93	
MD90-918 05	E-1	
MD90-918 06		
MD90-918 07	V-1	
MD90-918 07	T363	
MD90-918 07	core GT2	
MD90-918 08		
NS14 01		
ZI 01		
ZI 02		
ZI 03		
ZI 04	E1	
ZI 05		
IN68-9 01	TM3c	
IN68-9 02	TM5	
IN68-9 03	V-1	
IN68-9 04	TM6	
IN68-9 05	C1	
IN68-9 06	TM7	
IN68-9 07	C2	
IN68-9 08	TM8	
IN68-9 09	TM13	
KET 8003 01		
KET 8003 02		
KET 8003 03		
KET 8003 04	E1	
KET 8003 05	E2	
KET 8003 06		
KET 8003 07	E-1	
KET 8003 08	C3	
KET 8003 09		
KET 8003 10	C10	
KET 8003 11	E10	
KET 8003 12	E11	
KET 8003 13	C13	
KET 8003 14	C14	
KET 8003 15	C14	
KET 8003 16		
KET 8003 17		
KET 8003 18		
KET 8003 19	C16	
KET 8003 20		
KET 8003 21	C17	
KET 8003 22		
KET 8003 23		
KET 8003 24		
KET 8003 25	C18	
KET 8003 26		
KET 8003 27		
KET 8003 28	C20	
KET 8003 29		
KET 8003 30		
KET 8003 31		
KET 8003 32	C20	
KET 8003 33		
KET 8003 34		
KET 8003 35		
KET 8003 36		
KET80-03 01		
80KB28 01		
80KB28 02	T1598	
80KB28 02	PRAD 1653	
80KB28 02	C-13	
80KB28 02	I-3	
80KB28 03		
80KB28 04		
80KB28 05		
KB33 01		
KB33 02		
KB33 03	C-13	
KB33 03	I-3	
KB33 03	PRAD 1653	
KB33 03	T1598	
M254-12 01		
M254-12 02	C-7	
M254-12 02	T1327	
M254-12 03	C-13	
M254-12 03	T1598	
M254-12 03	I-3	
M254-12 03	PRAD 1653	
M254-12 04		
M254-12 05	C-18	
M254-12 05	PRAD 1870	
M254-12 06		
M254-12 07		
M254-12 08	I-9	
M254-12 08	I1	
M254-12 09		
M254-12 10	I-14	
M254-12 11		
M254-12 12		
RC9 183 01	Z-1	
RC9 183 02	Y-5	
RC9 183 03	Y-6	
RC9 183 04	X-1	
RC9 183 05	W-1	
RC9 183 06	V-1	
RC9-183 01		
RC9 183 07	V-3	
RC9 185 01	Z-1	
RC9 185 02	Y-5	
RC9 185 03	X-1	
RC9 185 04	V-1	

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
REF00A189	RC9-185	RC9 185 05		macro		V3		Hellenic	
REF00A190	RC9-190	RC9 190 01		macro		Z1		Vesuvius	
REF00A190	RC9-190	RC9 190 02		macro		Y6		Pantheria Island	
REF00A190	RC9-190	RC9 190 03		macro		Y7		Campania	
REF00A190	RC9-190	RC9 190 04		macro		X1		Hellenic	
REF00A190	RC9-190	RC9 190 05		macro		W1		Roman	
REF00A190	RC9-190	RC9 190 06		macro		X2		Campania	
REF00A190	RC9-190	RC9 190 07		macro		V2		Roman	
REF00A190	RC9-190	RC9 190 08		macro		V3		Hellenic	
REF00A190	RC9-190	RC9 190 09		macro		V3		Campania	
REF00A190	RC9-190	RC9 190 10		macro		V5		Roman	
REF00A191	RC9-191	RC9-191 01	15	macro	RC9-191-15	Z1		Somma-Vesuvius	
REF00A191	RC9-191	RC9-191 02	245	macro	RC9-191-245	Y3		Campi Flegrei	
REF00A191	RC9-191	RC9-191 03	310	macro	RC9-191-310	Y5		Ischia? -Campi Flegrei	
REF00A191	RC9-191	RC9-191 04	345	macro	RC9-191-345	Y6		Ischia	
REF00A191	RC9-191	RC9-191 05	415	macro	RC9-191-415	Y7		Ischia	
REF00A191	RC9-191	RC9-191 06	540	macro		X1		Hellenic	
REF00A191	RC9-191	RC9-191 07	575	macro	RC9-191-575	X2		Campania	
REF00A191	RC9-191	RC9-191 08	750	macro	RC9-191-750	W1		Roman	
REF00A191	RC9-191	RC9-191 09	850	macro	RC9-191-850	V2		Hellenic	
REF00A191	RC9-191	RC9-191 10	850	macro	RC9-191-870	V3		Hellenic	
REF00A219	PRAD1-2	PRAD1-2 1	55-60	crypto	PRAD-2375		Igimbrite Z Unit	Pantheria	
REF00A219	PRAD1-2	PRAD1-2 10	3586	crypto	PRAD-3586		Sutri Formation	Vico	
REF00A219	PRAD1-2	PRAD1-2 11	3666	crypto	PRAD-3666			Latturm	
REF00A219	PRAD1-2	PRAD1-2 2	55-60	crypto	PRAD-2375		-	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 3	2525	crypto	PRAD-2525			Campania Plain	
REF00A219	PRAD1-2	PRAD1-2 4	2605	crypto	PRAD-2605			Campania Plain	
REF00A219	PRAD1-2	PRAD1-2 5	2812	crypto	PRAD-2812	X-6		Campania Plain	
REF00A219	PRAD1-2	PRAD1-2 6	3225	crypto	PRAD-3225		Igimbrite D unit	M.Vico	
REF00A219	PRAD1-2	PRAD1-2 7	3336	crypto	PRAD-3336			Roman	
REF00A219	PRAD1-2	PRAD1-2 8	3383	crypto	PRAD-3383			Campania Plain	
REF00A219	PRAD1-2	PRAD1-2 9	3472	crypto	PRAD-3472				
REF00A219	PRAD1-2	PRAD1-2 01	55	crypto	PRAD 055	AMST	Agnano Monte Spina	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 02	120	crypto	PRAD 120		Fondi di Baia	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 03	203	crypto	PRAD 203	APP	Agnano Pomici Principali	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 04	203	crypto	PRAD 203	NYT reworked	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 05	218	crypto	PRAD 218	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 06	268	crypto	PRAD 268		Not assigned	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 07	324	crypto	PRAD 324		Not assigned	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 08	404	crypto	PRAD 404		Not assigned	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 09	480	crypto	PRAD 480		Not assigned	Not assigned	
REF00A219	PRAD1-2	PRAD1-2 10	566	crypto	PRAD 566		Not assigned	Not assigned	
REF00A219	PRAD1-2	PRAD1-2 11	608	crypto	PRAD 608		Not assigned	Not assigned	
REF00A219	PRAD1-2	PRAD1-2 12	650	crypto	PRAD 650		Lagno Amendolare	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 13	650	crypto	PRAD 650		Sant'Angelo Tuff reworked	Ischia	
REF00A219	PRAD1-2	PRAD1-2 14	784	crypto	PRAD 784		Greenish Pumice	Somma-Vesuvius	
REF00A219	PRAD1-2	PRAD1-2 15	784	crypto	PRAD 784		Sant'Angelo Tuff reworked	Ischia	
REF00A219	PRAD1-2	PRAD1-2 16	845	crypto	PRAD 845		Basal Pumice reworked	Somma-Vesuvius	
REF00A219	PRAD1-2	PRAD1-2 17	845	crypto	PRAD 845		Sant'Angelo Tuff reworked	Ischia	
REF00A219	PRAD1-2	PRAD1-2 18	875	crypto	PRAD 875		Basal Pumice	Somma-Vesuvius	
REF00A219	PRAD1-2	PRAD1-2 19	875	crypto	PRAD 875		Faro di Punta Imperatore reworked	Ischia	
REF00A219	PRAD1-2	PRAD1-2 20	1100	crypto	PRAD 1100		Faro di Punta Imperatore	Ischia	
REF00A219	PRAD1-2	PRAD1-2 21	1125	crypto	PRAD 1125		Faro di Punta Imperatore	Ischia	
REF00A219	PRAD1-2	PRAD1-2 22	1332	crypto	PRAD 1332	Y-3		Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 23	1332	crypto	PRAD 1332	Y-3		Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 24	1474	crypto	PRAD 1474		Not assigned	Not assigned	
REF00A219	PRAD1-2	PRAD1-2 25	1494	crypto	PRAD 1494		Codola	Somma-Vesuvius	
REF00A219	PRAD1-2	PRAD1-2 26	1653	crypto	PRAD 1653	CI	Campanian Igimbrite	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 27	1653	crypto	PRAD 1653	CI	Campanian Igimbrite	Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 28	1752	crypto	PRAD 1752	SMP1-a		Ischia	
REF00A219	PRAD1-2	PRAD1-2 29	1870	crypto	PRAD 1870		Monte Epomeo Green Tuff	Ischia	
REF00A219	PRAD1-2	PRAD1-2 30	1870	crypto	PRAD 1870		Monte Sant'Angelo	Ischia	
REF00A219	PRAD1-2	PRAD1-2 31	1870	crypto	PRAD 1870		Monte Sant'Angelo	Ischia	
REF00A219	PRAD1-2	PRAD1-2 32	2040	crypto	PRAD 2040		Pignattello Formation	Ischia	
REF00A219	PRAD1-2	PRAD1-2 33	2375	crypto	PRAD 2375		Not assigned	Not assigned	
REF00A219	PRAD1-2	PRAD1-2 34	2517	macro	PRAD 2517	X-5		Campi Flegrei	
REF00A219	PRAD1-2	PRAD1-2 35	2517	macro	PRAD 2517	X-5		Campi Flegrei	
REF00A220	RF93-77	RF93-77 01	83	macro	RF93-77 83	AMST	Agnano Monte Spina	Campi Flegrei	
REF00A220	RF93-77	RF93-77 02	208	macro	RF93-77 208	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A220	RF93-77	RF93-77 03	208	macro	RF93-77 208	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A220	RF93-77	RF93-77 04	384	macro	CM92-42 384	CI	Campanian Igimbrite	Campi Flegrei	
REF00A220	RF93-77	RF93-77 05	384	macro	CM92-42 384	CI	Campanian Igimbrite	Campi Flegrei	
REF00A220	RF93-77	RF93-77 06	449	macro	CM92-42 449		Ischia	55 ka	
REF00A220	RF93-77	RF93-77 07	449	macro	CM92-42 449		Ischia	55 ka	
REF00A220	RF93-77	RF93-77 08	797	macro	CM92-42 797		Campanian-Roman?	105 ka	
REF00A220	RF93-77	RF93-77 09	797	macro	CM92-42 797		Campanian-Roman?	105 ka	
REF00A221	SA03-11	SA03-11 01	12-ott	crypto	T12 cm		not correlated		
REF00A221	SA03-11	SA03-11 02	41-39	crypto	T41 cm		Pollena (Somma-Vesuvius)		
REF00A221	SA03-11	SA03-11 03	133-152	crypto	T153	AMST-Astroni	Agnano Monte Spina-Astroni group CF)		
REF00A221	SA03-11	SA03-11 04	162	macro	T162		Palaeoastroni-I/Averno-1		
REF00A221	SA03-11	SA03-11 05	171-170	crypto	T171 b		Piano Liguori (Ischia)		
REF00A221	SA03-11	SA03-11 06	171-170	crypto	T171a	?	Aeolian Island		
REF00A221	SA03-11	SA03-11 07	247-246	crypto	T247b		Campi Flegrei		
REF00A221	SA03-11	SA03-11 08	247-246	crypto	T247a		Aeolian Island		
REF00A221	SA03-11	SA03-11 09	363-362.5	macro	T363	M	Mercato		
REF00A221	SA03-11	SA03-11 09	363-362.5	macro	T363	M	Mercato		
REF00A221	SA03-11	SA03-11 09	363-362.5	macro	T363	M	Mercato		
REF00A221	SA03-11	SA03-11 10	492-491	macro	T492	APP	Agnano Pomici Principali (Campi Flegrei)		
REF00A221	SA03-11	SA03-11 10	492-491	macro	T492	APP	Agnano Pomici Principali (Campi Flegrei)		
REF00A221	SA03-11	SA03-11 10	492-491	macro	T492	APP	Agnano Pomici Principali (Campi Flegrei)		
REF00A221	SA03-11	SA03-11 11	531	crypto	T531		La Pigna 1 (Campi Flegrei)		
REF00A221	SA03-11	SA03-11 12	640-639	-	T640	NYT	Neapolitan Yellow Tuff		
REF00A221	SA03-11	SA03-11 12	640-639	-	T640	NYT	Neapolitan Yellow Tuff		
REF00A221	SA03-11	SA03-11 12	640-639	-	T640	NYT	Neapolitan Yellow Tuff		
REF00A221	SA03-11	SA03-11 13	646-645	crypto	T646		Tuffi Biancastri Series		
REF00A221	SA03-11	SA03-11 14	651-650	crypto	T651		Lagno Amendolare		
REF00A221	SA03-11	SA03-11 15	730-729	crypto	T730		Unknown		
REF00A221	SA03-11	SA03-11 16	739-760	crypto	T760		Tuffi Biancastri Series		
REF00A221	SA03-11	SA03-11 17	865-864.5	macro	T865		Greenish Pumice (Somma-Vesuvius)		
REF00A221	SA03-11	SA03-11 18	950-946	macro	T950	PB	Pomici di Base (Somma-Vesuvio)		
REF00A221	SA03-11	SA03-11 19	1026-1025	macro	T1026		Unknown (Campi Flegrei)		
REF00A221	SA03-11	SA03-11 20	1226-1225	macro	T1126	VrA	Tuffi Biancastri Series		
REF00A221	SA03-11	SA03-11 21	1327.5-1327	macro	T1327	SMP1-e	Tuffi Biancastri Series		
REF00A221	SA03-11	SA03-11 21	1327.5-1327	macro	T1327	SMP1-e	Tuffi Biancastri Series		
REF00A221	SA03-11	SA03-11 22	1426-1425	macro	T1426	Unknown	Tuffi Biancastri Series		
REF00A221	SA03-11	SA03-11 23	1463-1462	macro	T1463		Codola (Somma-Vesuvius)		
REF00A221	SA03-11	SA03-11 23	1463-1462	macro	T1463		Codola (Somma-Vesuvius)		
REF00A221	SA03-11	SA03-11 24	1522-1521	crypto	T1522	Unknown	Campi Flegrei		
REF00A221	SA03-11	SA03-11 25	1535-1534	crypto	T1535b		Aeolian Island		
REF00A221	SA03-11	SA03-11 26	1535-1534	crypto	T1535a		Campi Flegrei		
REF00A221	SA03-11	SA03-11 27	1567-1566	-	T1567	Unknown	Vulcano (Aeolian Island)		
REF00A221	SA03-11	SA03-11 28	1598-1593	macro	T1598	CI	Campanian Igimbrite		
REF00A221	SA03-11	SA03-11 28	1598-1593	macro	T1598	CI	Campanian Igimbrite		
REF00A221	SA03-11	SA03-11 28	1598-1593	macro	T1598	CI	Campanian Igimbrite		
REF00A221	SA03-11	SA03-11 28	1598-1593	macro	T1598	CI	Campanian Igimbrite		
REF00A344	COR02	COR02 01	30-15	crypto	TEPH01		Marsili		
REF00A345	TIR2000-C01	TIR2000 01	30	macro	TIR2000-30	API-AP3	Interplinian activity between Avellino and Pompei		
REF00A345	TIR2000-C01	TIR2000 02	93	macro	TIR2000-93	GF	Interplinian activity between Avellino and Pompei		
REF00A345	TIR2000-C01	TIR2000 02	93	macro	TIR2000-93	GF	Gabelotto-Fluamebianco (Lipari)		
REF00A345	TIR2000-C01	TIR2000 03	417	macro	TIR2000-417		Lower Pollara (Salina)		
REF00A345	TIR2000-C01	TIR2000 04	395	macro	TIR2000-395		Secche di Lazzaro (Stromboli)		
REF00A345	TIR2000-C01	TIR2000 05	387-367	macro	TIR2000-387				
REF00A345	TIR2000-C01	TIR2000 06	50	macro	TIR2000-50				
REF00A345	TIR2000-C01	TIR2000 07	7	macro	TIR2000-7	MP	Monte Pilato (Lipari)		
REF00A345	TIR2000-C01	TIR2000 07	7	macro	TIR2000-7	MP	Monte Pilato (Lipari)		
REF00A345	TIR2000-C01 01	TIR2000-C01 01	7 cm b.s.f.	macro	TIR2000-01		Monte Pilato - Lipari	Monte Pilato	
REF00A345	TIR2000-C01 02	TIR2000-C01 02	50 cm b.s.f.	macro	TIR2000-02		Volcano?		
REF00A345	TIR2000-C01 03	TIR2000-C01 03	93 cm b.s.f.	macro	TIR2000-03		Campi Flegrei	Soccavol	
REF00A345	TIR2000-C01 04	TIR2000-C01 04	93 cm b.s.f.	macro	TIR2000-04		Lipari		
REF00A345	TIR2000-C01 05	TIR2000-C01 05	398 cm b.s.f.	macro	TIR2000-398		Aeolian Islands		
REF00A345	TIR2000-C01 06	TIR2000-C01 06	417cm b.s.f.	macro	TIR2000-417		Aeolian Islands		
REF00A348	YD97-09	YD97-9 01	ca 80	-		M	Mercato		

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
RC9 185 05				
RC9 190 01				
RC9 190 02				
RC9 190 03				
RC9 190 04				
RC9 190 05				
RC9 190 06				
RC9 190 07				
RC9 190 08				
RC9 190 09				
RC9 190 10				
RC9-191 01				
RC9-191 02				
RC9-191 03				
RC9-191 04				
RC9-191 05				
RC9-191 06				
RC9-191 07				
RC9-191 08				
RC9-191 09				
RC9-191 10				
PRAD 1-2 1		85±1.7 (Ar/Ar, Rotolo et al., 2013)		86418-83142 years
PRAD 1-2 10		151±3 (Ar/Ar, Laurenzi and Villa, 1987)		160474-132360
PRAD 1-2 11				181077-156346
PRAD 1-2 2				86418-83142 years
PRAD 1-2 3				95198-90915 years
PRAD 1-2 4				100686-94270
PRAD 1-2 5				111778-106053
PRAD 1-2 6				139162-121283
PRAD 1-2 7				142369-127513
PRAD 1-2 8				144859-129202
PRAD 1-2 9				151045-131171
PRAD1-2 01			4300-4690 BP	
PRAD1-2 02			9440-9690 BP	
PRAD1-2 03			11770-12760	
PRAD1-2 04				
PRAD1-2 05			13900-14320	
PRAD1-2 06				
PRAD1-2 07				
PRAD1-2 08				
PRAD1-2 09				
PRAD1-2 10				
PRAD1-2 11				
PRAD1-2 12			15100-15800	
PRAD1-2 13				
PRAD1-2 14			19050-19480	
PRAD1-2 15				
PRAD1-2 16			22150-22240	
PRAD1-2 17				
PRAD1-2 18			22150-22240	
PRAD1-2 19				
PRAD1-2 20			20280-22420	
PRAD1-2 21			20280-22420	
PRAD1-2 22		30.1-30.5		
PRAD1-2 23		30.1-30.5		
PRAD1-2 24				
PRAD1-2 25				
PRAD1-2 26		39.17-39.39		
PRAD1-2 27		39.17-39.39		
PRAD1-2 28			35000-38680	
PRAD1-2 29		55.6-56.4		
PRAD1-2 30				
PRAD1-2 31				
PRAD1-2 32				
PRAD1-2 33				
PRAD1-2 34		103-107 ka		
PRAD1-2 35		103-107 ka		
RF93-77 01				
RF93-77 02			13600-14700	
RF93-77 03			13600-14700	
RF93-77 04			37.1-39.3	
RF93-77 05			37.1-39.3	
RF93-77 06				
RF93-77 07				
RF93-77 08				
RF93-77 09				
SA03-11 01				1034-Present
SA03-11 02				1480-1476
SA03-11 03		4625-4297 cal years		4724-4310
SA03-11 04		4745-4834 cal yrs/5064-5431 cal yrs		5484-4438
SA03-11 05		6000-4950 cal yrs (Orsi et al., 1996)		5739-4810
SA03-11 06				5739-4810
SA03-11 07				7626-5835
SA03-11 08				7626-5835
SA03-11 09		8540±50 cal yrs (zanchetta et al., 2011)		9011-8765
SA03-11 09		8540±50 cal yrs (zanchetta et al., 2011)		9011-8765
SA03-11 09		8540±50 cal yrs (zanchetta et al., 2011)		9011-8765
SA03-11 10		12080±950 cal yrs (Smith et al., 2011)		12175-11976
SA03-11 10		12080±950 cal yrs (Smith et al., 2011)		12175-11976
SA03-11 10		12080±950 cal yrs (Smith et al., 2011)		12175-11976
SA03-11 11		12749-13110 cal yrs (Smith et al., 2011)		13045-12745
SA03-11 12		14900±0.400 (Ar/Ar)		14383-13977
SA03-11 12		14900±0.400 (Ar/Ar)		14383-13977
SA03-11 12		14900±0.400 (Ar/Ar)		14383-13977
SA03-11 13				14901-14050
SA03-11 14				15227-14125
SA03-11 15				17128-15794
SA03-11 16				17909-16560
SA03-11 17		21240-17850 cal yrs BP (Stani et al., 2001)		19373-19157
SA03-11 18		22224-21150 cal yrs (Andronico et al., 1995; Bertugini et al., 1998; Landi et al., 1999)		22471-21685
SA03-11 19				28255-26302
SA03-11 20		30.3±0.2 ka (Ar/Ar, Pappalardo et al., 1999)		29463-28833
SA03-11 21				29463-28833
SA03-11 21				29463-28833
SA03-11 22				33224-31520
SA03-11 23		33-34 (Giaccio et al., 2008)		33965-32630
SA03-11 23		33-34 (Giaccio et al., 2008)		33965-32630
SA03-11 24				34971-33608
SA03-11 25				35163-33711
SA03-11 26				35163-33711
SA03-11 27				35693-34064
SA03-11 28		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		36419-34791
SA03-11 28		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		36419-34791
SA03-11 28		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		36419-34791
SA03-11 28		39.28±0.11 ka (Ar/Ar; De Vivo et al., 2001)		36419-34791
COR02 01				
COR02 02				
TIR2000 01		3420±100-2710±60 yrs		
TIR2000 01		3420±100-2710±60 yrs		
TIR2000 02				
TIR2000 02				
TIR2000 03		24±3600 yrs		
TIR2000 04				
TIR2000 05				
TIR2000 06		ca. 5 ka (Bertugini and Landi, 1996)		
TIR2000 07		729 AD: 580 AD (De Rosa et al., 2002 a e b); 1200-1240 AD		
TIR2000 07		729 AD: 580 AD (De Rosa et al., 2002 a e b); 1200-1240 AD		
TIR2000-C01 01		1241±31 yrs BP (er)		
TIR2000-C01 02				
TIR2000-C01 03				
TIR2000-C01 04				11,915-12,721 cal years BP)
TIR2000-C01 05				
TIR2000-C01 06				
YD97-9 01		8540±50 cal yrs (zanchetta et al., 2011)		

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
RC9 185 05	dacite	180 ka			RC9 185 05
RC9 190 01	Leucite-tephritite				RC9 190 01
RC9 190 02	peralkalic				RC9 190 02
RC9 190 03	Trachyte				RC9 190 03
RC9 190 04	Andesite				RC9 190 04
RC9 190 05	tephrite				RC9 190 05
RC9 190 06	trachyte				RC9 190 06
RC9 190 07	tephrite				RC9 190 07
RC9 190 08	dacite				RC9 190 08
RC9 190 09	trachyte				RC9 190 09
RC9 190 10	trachyte				RC9 190 10
RC9-191 01	Leucite-tephritite				RC9-191 01
RC9-191 02	Trachyte				RC9-191 02
RC9-191 03	Trachyte				RC9-191 03
RC9-191 04	Peralkali-Trachyte				RC9-191 04
RC9-191 05	Peralkali-Trachyte				RC9-191 05
RC9-191 06	andesite				RC9-191 06
RC9-191 07	Trachyte				RC9-191 07
RC9-191 08	Tephritite				RC9-191 08
RC9-191 09	Tephritite				RC9-191 09
RC9-191 10	dacite				RC9-191 10
PRAD 1-2 1	Trachyte				
PRAD 1-2 10	Phonolite				
PRAD 1-2 11	Phonolite				
PRAD 1-2 2	Trachyphonolite				
PRAD 1-2 3	Trachyphonolite				
PRAD 1-2 4	Phonolite				
PRAD 1-2 5	Trachyphonolite				
PRAD 1-2 6	Phonolite				
PRAD 1-2 7	Phonolite				
PRAD 1-2 8	Trachyphonolite				
PRAD 1-2 9	Trachyte				
PRAD1-2 01	trachyte				PRAD1-2 01
PRAD1-2 02	trachyte				PRAD1-2 02
PRAD1-2 03	phonolite				PRAD1-2 03
PRAD1-2 04	trachyte				PRAD1-2 04
PRAD1-2 05	trachyte				PRAD1-2 05
PRAD1-2 06	trachyte				PRAD1-2 06
PRAD1-2 07	trachyte				PRAD1-2 07
PRAD1-2 08	trachyte				PRAD1-2 08
PRAD1-2 09	trachyte				PRAD1-2 09
PRAD1-2 10	trachyte				PRAD1-2 10
PRAD1-2 11	trachyte				PRAD1-2 11
PRAD1-2 12	trachyte				PRAD1-2 12
PRAD1-2 13	trachyte				PRAD1-2 13
PRAD1-2 14	trachyte				PRAD1-2 14
PRAD1-2 15	trachyte				PRAD1-2 15
PRAD1-2 16	trachyte				PRAD1-2 16
PRAD1-2 17	trachyte				PRAD1-2 17
PRAD1-2 18	trachyte				PRAD1-2 18
PRAD1-2 19	trachyte				PRAD1-2 19
PRAD1-2 20	trachyte				PRAD1-2 20
PRAD1-2 21	trachyte				PRAD1-2 21
PRAD1-2 22	trachyte				PRAD1-2 22
PRAD1-2 23	trachyte				PRAD1-2 23
PRAD1-2 24	trachyte				PRAD1-2 24
PRAD1-2 25	trachyte				PRAD1-2 25
PRAD1-2 26	trachyte				PRAD1-2 26
PRAD1-2 27	trachyte				PRAD1-2 27
PRAD1-2 28	trachyte				PRAD1-2 28
PRAD1-2 29	trachyte				PRAD1-2 29
PRAD1-2 30	trachyte				PRAD1-2 30
PRAD1-2 31	trachyte				PRAD1-2 31
PRAD1-2 32	trachyte				PRAD1-2 32
PRAD1-2 33	trachyte				PRAD1-2 33
PRAD1-2 34	trachyte				PRAD1-2 34
PRAD1-2 35	trachyte				PRAD1-2 35
RF93-77 01	trachyte				RF93-77 01
RF93-77 02	trachyte				RF93-77 02
RF93-77 03	trachyte				RF93-77 03
RF93-77 04	trachyte				RF93-77 04
RF93-77 05	trachyte				RF93-77 05
RF93-77 06	trachyte				RF93-77 06
RF93-77 07	trachyte				RF93-77 07
RF93-77 08	trachyte				RF93-77 08
RF93-77 09	trachyte				RF93-77 09
SA03-11 01					SA03-11 01
SA03-11 02					SA03-11 02
SA03-11 03				older age limit of Agnano Monte Spina and younger age limit of Astroni (Smith et al., 2001)	SA03-11 03
SA03-11 04				Smith et al., 2011. Interpolated age	SA03-11 04
SA03-11 05					SA03-11 05
SA03-11 06					SA03-11 06
SA03-11 07					SA03-11 07
SA03-11 08					SA03-11 08
SA03-11 09					SA03-11 09 01
SA03-11 09					SA03-11 09 02
SA03-11 09					SA03-11 09 03
SA03-11 10					SA03-11 10 01
SA03-11 10					SA03-11 10 02
SA03-11 10					SA03-11 10 03
SA03-11 11					
SA03-11 12					SA03-11 12 01
SA03-11 12					SA03-11 12 02
SA03-11 12					SA03-11 12 03
SA03-11 13					SA03-11 13
SA03-11 14					SA03-11 14
SA03-11 15					SA03-11 15
SA03-11 16					SA03-11 16
SA03-11 17					SA03-11 17
SA03-11 18					SA03-11 18
SA03-11 19					SA03-11 19
SA03-11 20					SA03-11 20
SA03-11 21					SA03-11 21 01
SA03-11 21					SA03-11 21 02
SA03-11 22					SA03-11 22
SA03-11 23					SA03-11 23 01
SA03-11 23					SA03-11 23 02
SA03-11 24					SA03-11 24
SA03-11 25					SA03-11 25
SA03-11 26					SA03-11 26
SA03-11 27					SA03-11 27
SA03-11 28					SA03-11 28 01
SA03-11 28					SA03-11 28 02
SA03-11 28					SA03-11 28 03
SA03-11 28					SA03-11 28 04
COR02 01		ca 3 ka (sedimentation rate)			COR02 01
COR02 02		ca 5 ka (sedimentation rate)			COR02 02
TIR2000 01					TIR2000 01 02
TIR2000 01					TIR2000 01 01
TIR2000 02					TIR2000 02 02
TIR2000 02					TIR2000 02 01
TIR2000 03					TIR2000 03
TIR2000 04				monogenic volcanoclastic turbidite	TIR2000 04
TIR2000 05				monogenic volcanoclastic turbidite	TIR2000 05
TIR2000 06				monogenic volcanoclastic turbidite	TIR2000 06
TIR2000 07				monogenic volcanoclastic turbidite	TIR2000 07 02
TIR2000 07				monogenic volcanoclastic turbidite	TIR2000 07 01
TIR2000-C01 01				It is a turbidite layer	TIR2000-C01 01
TIR2000-C01 02					TIR2000-C01 02
TIR2000-C01 03					TIR2000-C01 03
TIR2000-C01 04				finest fraction	TIR2000-C01 04
TIR2000-C01 05				coarsest fraction	TIR2000-C01 05
TIR2000-C01 06				It is a turbidite layer	TIR2000-C01 06
YD97-9 01					YD97-9 01 03

id tephra	Relation with other tephra code	biblio relation
RC9 185 05	Y-3	
RC9 190 01	Z-1	
RC9 190 02	Y-6	
RC9 190 03	Y-7	
RC9 190 04	X-1	
RC9 190 05	W-1	
RC9 190 06	X-2	
RC9 190 07	V-2	
RC9 190 08	V-3	
RC9 190 09	Y-3	
RC9 190 10	Y-5	
RC9-191 01	Z-1	
RC9-191 02	Y-3	
RC9-191 03	Y-5	
RC9-191 04	Y-6	
RC9-191 05	Y-7	
RC9-191 06	X-1	
RC9-191 07	X-2	
RC9-191 08	W-1	
RC9-191 09	V-2	
RC9-191 10	V-3	
PRAD 1-2 1		
PRAD 1-2 10		
PRAD 1-2 11		
PRAD 1-2 2		
PRAD 1-2 3		
PRAD 1-2 4		
PRAD 1-2 5		
PRAD 1-2 6		
PRAD 1-2 7		
PRAD 1-2 8		
PRAD 1-2 9		
PRAD1-2 01	TM5	
PRAD1-2 02	TM6-1a	
PRAD1-2 03	TM7b	
PRAD1-2 04		
PRAD1-2 05		
PRAD1-2 06		
PRAD1-2 07		
PRAD1-2 08		
PRAD1-2 09		
PRAD1-2 10		
PRAD1-2 11		
PRAD1-2 12	TM10d	
PRAD1-2 13	TM10-i	
PRAD1-2 14	TM12	
PRAD1-2 15	TM10-i	
PRAD1-2 16	TM13	
PRAD1-2 17	TM10-i	
PRAD1-2 18	TM13	
PRAD1-2 19	TM14-1	
PRAD1-2 20	TM14-1	
PRAD1-2 21	TM14-1	
PRAD1-2 22	TM15	
PRAD1-2 23	Y-3	Keller et al., 1978
PRAD1-2 24		
PRAD1-2 25		
PRAD1-2 26	TM18	
PRAD1-2 27	Y-5	Keller et al., 1978
PRAD1-2 28	TM18-1	
PRAD1-2 29	TM19	
PRAD1-2 30	TM20	
PRAD1-2 31	Y-7	Keller et al., 1978
PRAD1-2 32	Y-7	Keller et al., 1978
PRAD1-2 33		
PRAD1-2 34	TM24	
PRAD1-2 35	X-5	Keller et al., 1978
RF93-77 01	TM5	
RF93-77 02	C-2	
RF93-77 03	TM8	
RF93-77 04	Y-5	Keller et al., 1978
RF93-77 05	TM18	
RF93-77 06	C18	
RF93-77 07	TM19	
RF93-77 08	X-5	Keller et al., 1978
RF93-77 09	TM24	
SA03-11 01		
SA03-11 02		
SA03-11 03	IS4	
SA03-11 04		
SA03-11 05		
SA03-11 06		
SA03-11 07		
SA03-11 08		
SA03-11 09	MD 90-918 230	
SA03-11 09	cote GT2	
SA03-11 09	V-1	
SA03-11 10	MD 90-917 305-310	
SA03-11 10	PRAD 203	
SA03-11 10	C-1	
SA03-11 11		
SA03-11 12	IS4-a	
SA03-11 12	PRAD 218	
SA03-11 12	C-2	
SA03-11 13		
SA03-11 14		
SA03-11 15		
SA03-11 16		
SA03-11 17	PRAD 784	
SA03-11 18	PRAD 875	
SA03-11 19		
SA03-11 20	PRAD1332	
SA03-11 21	Y-3	
SA03-11 21	C-7	
SA03-11 22	PRAD 1474	
SA03-11 23	PRAD 1494	
SA03-11 23	C-10	
SA03-11 24		
SA03-11 25	E-11	
SA03-11 26	I-2	
SA03-11 27		
SA03-11 28	PRAD 1653	
SA03-11 28	Y-5	
SA03-11 28	C-13	
SA03-11 28	I-3	
COR02 01		
COR02 02		
TIR2000 01	IS3-a	Insinga et al., 2008
TIR2000 01	IS3	Insinga et al., 2008
TIR2000 02	E-1	
TIR2000 02	MD 90-918 218	
TIR2000 03		
TIR2000 04		
TIR2000 05		
TIR2000 06		
TIR2000 07	E-1	
TIR2000 07	MD 90-918 2	
TIR2000-C01 01		
TIR2000-C01 02		
TIR2000-C01 03		
TIR2000-C01 04		
TIR2000-C01 05		
TIR2000-C01 06		
YD97-9 01	V-1	

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
REF00A348	YD97-09	YD97-9 01	ca 80	-	-	M	Mercato		
REF00A348	YD97-09	YD97-9 01	ca 80	-	-	M	Mercato		
REF00A348	YD97-09	YD97-9 01	ca 80	-	-	M	Mercato		
REF00A348	YD97-09	YD97-9 02	ca 120	-	-	APP	Agnano Pomici Principali		
REF00A348	YD97-09	YD97-9 02	ca 120	-	-	APP	Agnano Pomici Principali		
REF00A348	YD97-09	YD97-9 02	ca 120	-	-	APP	Agnano Pomici Principali		
REF00A349	MAR03-24	MAR03-24 01		macro	a		Minoan	Santorini	
REF00A350	MAR03-25	MAR03-25 01		macro	a		Minoan	Santorini	
REF00A350	MAR03-25	MAR03-25 02		macro	b		cape Riva	Santorini	
REF00A350	MAR03-25	MAR03-25 03		macro	g	CI	CI Campi Flegrei	Campanian Ignimbrite	
REF00A351	MAR03-2	MAR03-2 01		macro	a		Minoan	Santorini	
REF00A351	MAR03-2	MAR03-2 02		macro	b		cape Riva	Santorini	
REF00A351	MAR03-2	MAR03-2 03		macro	d		Lower Punice	Island of Nysiros	
REF00A352	MAR03-3	MAR03-3 01		macro	a		Minoan	Santorini	
REF00A354	MAR03-28	MAR03-28 01		macro	a		Minoan	Santorini	
REF00A354	MAR03-28	MAR03-28 02		macro	b		cape Riva	Santorini	
REF00A354	MAR03-28	MAR03-28 03		macro	g		CI Campi Flegrei	Campanian Ignimbrite	
REF00A356	MAR02-102	MAR02-102 01		macro	b		cape Riva	Santorini	
REF00A357	MAR02-21	MAR02-21 01		macro	b		cape Riva	Santorini	
REF00A358	MAR02-89	MAR02-89 01		macro	b		cape Riva	Santorini	
REF00A359	CET1	CET1 01	5-6 cm	macro	CET1-1		Creata	Ischia	
REF00A359	CET1	CET1 02	56-57	crypto	CET1- crypto 1		Paleopssani 2	Campi Flegrei	
REF00A359	CET1	CET1 03	63.5-67	crypto	CET1- crypto2		Soccaro 1	Campi Flegrei	
REF00A359	CET1	CET1 04	75-76	crypto	CET1- crypto3	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A359	CET1	CET1 05	75-76	crypto	CET1- crypto3		????	Ischia	
REF00A359	CET1	CET1 06	80-81	crypto	CET1- crypto4	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A359	CET1	CET1 07	92-93	crypto	CET1- crypto5		Faro di Punta Imperatore	Ischia	
REF00A359	CET1	CET1 08	103-104	macro	CET1-2		Sant'Angelo Tuff	Ischia	
REF00A359	CET1	CET1 09	103-104	macro	CET1-2		Biancavilla Montalto	Etna	
REF00A359	CET1	CET1 10	103-104	macro	CET1-2		Biancavilla Montalto	Etna	
REF00A359	CET1	CET1 11	148-149.5	macro	CET1-4		????????	Campi Flegrei	
REF00A359	CET1	CET1 12	148-149.5	macro	CET1-4		????????	Campi Flegrei	
REF00A359	CET1	CET1 13	148-149.5	macro	CET1-4		Solchiaro	Campi Flegrei	
REF00A359	CET1	CET1 14	201-205	crypto	CET1- crypto6	Y-3		Campi Flegrei	
REF00A359	CET1	CET1 15	201-205	crypto	CET1- crypto6	Y-3		Campi Flegrei	
REF00A359	CET1	CET1 16	201-205	crypto	CET1- crypto6		????????	Campi Flegrei	
REF00A359	CET1	CET1 17	201-205	crypto	CET1- crypto6		????????	Ischia	
REF00A359	CET1	CET1 18	233.5-236	macro	CET1-7		Codola	Somma-Vesuvius	
REF00A359	CET1	CET1 19	233.5-236	macro	CET1-7		Codola	Somma-Vesuvius	
REF00A359	CET1	CET1 20	244-265	macro	CET1- crypto7		pre NYT Fls	Campi Flegrei	
REF00A359	CET1	CET1 21	288-291.5	macro	CET1- crypto8	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A359	CET1	CET1 22	288-291.5	macro	CET1- crypto8	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A359	CET1	CET1 23	288-291.5	macro	CET1- crypto8		????????	Campi Flegrei	
REF00A359	CET1	CET1 24	312-316	macro	CET1-8			Pantelleria	
REF00A359	CET1	CET1 25	312-316	macro	CET1-8			Campi Flegrei	
REF00A359	CET1	CET1 26	312-316	macro	CET1-8			Campi Flegrei	
REF00A359	CET1	CET1 27	331-333	crypto	CET1- crypto 9			Campi Flegrei	
REF00A359	CET1	CET1 28	348-350	macro	CET1-9	P-10	Ignimbrite Z	Pantelleria	
REF00A359	CET1	CET1 29	360-361	crypto	CET1- crypto 10			Campania	
REF00A359	CET1	CET1 30	380	macro	CET1-10	C-22		Campania	
REF00A359	CET1	CET1 31	383	macro	CET1-11	C-22		Campania	
REF00A359	CET1	CET1 32	384	macro	CET1-12	C-22		Campania	
REF00A359	CET1	CET1 33	387	macro	CET1-13	C-22		Campania	
REF00A359	CET1	CET1 34	391	macro	CET1-14	C-22		Campania	
REF00A359	CET1	CET1 35	400-401	crypto	CET1- crypto 11			Campania	
REF00A359	CET1	CET1 36	422-423	macro	CET1-16		Sant'Angelo	Ischia	
REF00A359	CET1	CET1 37	422-423	macro	CET1-16				
REF00A359	CET1	CET1 38	432-433	crypto	CET1- crypto 12				
REF00A359	CET1	CET1 39	436-437	crypto	CET1- crypto 13				
REF00A359	CET1	CET1 40	444-445	crypto	CET1- crypto 14				
REF00A359	CET1	CET1 41	468-479	crypto	CET1- crypto 15				
REF00A359	CET1	CET1 42	484-486	macro	CET1-17	C-26		Ischia?	
REF00A359	CET1	CET1 43	484-486	macro	CET1-18	X-5		Campania	
REF00A359	CET1	CET1 43	484-486	macro	CET1-18	X-5		Campania	
REF00A360	KET 8022	KET 8022 01	87	n.e.	KET8022-87	C2		Campania	
REF00A360	KET 8022	KET 8022 02	320	n.e.	KET8022-320	C13		Campania	
REF00A360	KET 8022	KET 8022 03	320	n.e.	KET8022-320	C13		Campania	
REF00A360	KET 8022	KET 8022 04	428	n.e.	KET8022-428	C18		Campania	
REF00A360	KET 8022	KET 8022 05	428	n.e.	KET8022-428	C18		Campania	
REF00A360	KET 8022	KET 8022 06	541	n.e.	KET8022-541			Campania	
REF00A363	KET 8011	KET 8011 01	20	n.e.	KET8011-20			Campania	
REF00A363	KET 8011	KET 8011 02	20	n.e.	KET8011-20			Campania	
REF00A363	KET 8011	KET 8011 03	35	n.e.	KET8011-35			Eolian Province	
REF00A363	KET 8011	KET 8011 04	35	n.e.	KET8011-35	E1		Eolian Province	
REF00A363	KET 8011	KET 8011 05	80	n.e.	KET8011-80			Campania	
REF00A363	KET 8011	KET 8011 06	94	n.e.	KET8011-94			Eolian Province	
REF00A363	KET 8011	KET 8011 07	116	n.e.	KET8011-116	Et-1		Etna	
REF00A363	KET 8011	KET 8011 08	118.5	n.e.	KET8011-118.5	C3		Campania	
REF00A363	KET 8011	KET 8011 09	170	n.e.	KET8011-170	C5		Campania	
REF00A363	KET 8011	KET 8011 10	204	n.e.	KET8011-204	C7		Campania	
REF00A363	KET 8011	KET 8011 11	204	n.e.	KET8011-204			Campania	
REF00A363	KET 8011	KET 8011 12	220	n.e.	KET8011-220			Eolian Province	
REF00A363	KET 8011	KET 8011 13	258	n.e.	KET8011-258	C10		Campania	
REF00A363	KET 8011	KET 8011 14	275	n.e.	KET8011-275	E10		Eolian Province	
REF00A363	KET 8011	KET 8011 15	275	n.e.	KET8011-275			Campania	
REF00A363	KET 8011	KET 8011 16	300	n.e.	KET8011-300	E11		Eolian Province	
REF00A363	KET 8011	KET 8011 17	325	n.e.	KET8011-325	C13		Campania	
REF00A363	KET 8011	KET 8011 18	325	n.e.	KET8011-325	C13		Campania	
REF00A363	KET 8011	KET 8011 19	335	n.e.	KET8011-335	C14		Campania	
REF00A363	KET 8011	KET 8011 20	335	n.e.	KET8011-335	C14		Campania	
REF00A363	KET 8011	KET 8011 21	357	n.e.	KET8011-357	C15		Campania	
REF00A363	KET 8011	KET 8011 22	450	n.e.	KET8011-450	C17		Campania	
REF00A363	KET 8011	KET 8011 23	457	n.e.	KET8011-457			Campania	
REF00A363	KET 8011	KET 8011 24	480	n.e.	KET8011-480	C18		Campania	
REF00A363	KET 8011	KET 8011 25	500	n.e.	KET8011-500			Campania	
REF00A363	KET 8011	KET 8011 26	522.5	n.e.	KET8011-522.5	C107		Campania	
REF00A363	KET 8011	KET 8011 27	547	n.e.	KET8011-547	C108		Campania	
REF00A364	KET8218	KET8218 01	5	n.e.	KET8218-5	V1		Campania	
REF00A364	KET8218	KET8218 02	16	n.e.	KET8218-16	C10-1		Campania	
REF00A364	KET8218	KET8218 03	36	n.e.	KET8218-36	C1		Campania	
REF00A364	KET8218	KET8218 04	36	n.e.	KET8218-36			Campania	
REF00A364	KET8218	KET8218 05	55	n.e.	KET8218-55			Campania	
REF00A364	KET8218	KET8218 06	79	n.e.	KET8218-79			Campania	
REF00A364	KET8218	KET8218 07	104	n.e.	KET8218-104			Campania	
REF00A364	KET8218	KET8218 08	120	n.e.	KET8218-120			Campania	
REF00A364	KET8218	KET8218 09	136	n.e.	KET8218-136			Campania	
REF00A364	KET8218	KET8218 10	155	n.e.	KET8218-155	C2		Campania	
REF00A364	KET8218	KET8218 11	200	n.e.	KET8218-200			Campania	
REF00A364	KET8218	KET8218 12	310	n.e.	KET8218-310	C7		Campania	
REF00A364	KET8218	KET8218 13	360	n.e.	KET8218-360	C10		Campania	
REF00A364	KET8218	KET8218 14	410	n.e.	KET8218-410	C105		Campania	
REF00A364	KET8218	KET8218 15	420	n.e.	KET8218-420			Campania	
REF00A364	KET8218	KET8218 16	420	n.e.	KET8218-420			Campania	
REF00A364	KET8218	KET8218 17	430	n.e.	KET8218-430	C11		Campania	
REF00A364	KET8218	KET8218 18	430	n.e.	KET8218-430	C11		Campania	
REF00A364	KET8218	KET8218 19	485	n.e.	KET8218-485	C13		Campania	
REF00A364	KET8218	KET8218 20	485	n.e.	KET8218-485	C13		Campania	
REF00A364	KET8218	KET8218 21	510	n.e.	KET8218-510	C14		Campania	
REF00A364	KET8218	KET8218 22	510	n.e.	KET8218-510	C14		Campania	
REF00A364	KET8218	KET8218 23	540	n.e.	KET8218-540	C16		Campania	
REF00A364	KET8218	KET8218 24	540	n.e.	KET8218-540			Campania	
REF00A364	KET8218	KET8218 25	585	n.e.	KET8218-585	C17		Campania	
REF00A364	KET8218	KET8218 26	585	n.e.	KET8218-585			Campania	
REF00A364	KET8218	KET8218 27	590	n.e.	KET8218-590			Campania	
REF00A364	KET8218	KET8218 28	590	n.e.	KET8218-590			Campania	
REF00A364	KET8218	KET8218 29	600	n.e.	KET8218-600	C106		Campania	
REF00A364	KET8218	KET8218 30	600	n.e.	KET8218-600			Campania	
REF00A364	KET8218	KET8218 31	636	n.e.	KET8218-636	C18		Campania	
REF00A364	KET8218	KET8218 32	636	n.e.	KET8218-636			Campania	
REF00A365	V10 69	V10 69 01	20	macro	V10 69 20	Z1		Vesuvius	
REF00A365	V10 69	V10 69 02	92	macro	V10 69 92	Y1		Etna	
REF00A365	V10 69	V10 69 03	92	macro	V10 69 150	Y5		Ischia???	
REF00A365	V10 69	V10 69 04	310	macro	V10 69 310	X1		Hellenic	
REF00A365	V10 69	V10 69 05	330	macro	V10 69 335	X3		Aeolian Islands	

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
YD97-9_01		8540±50 cal yrs (Zanchetta et al., 2011)		
YD97-9_01		8540±50 cal yrs (Zanchetta et al., 2011)		
YD97-9_01		8540±50 cal yrs (Zanchetta et al., 2011)		
YD97-9_02		12080±950 cal yrs (Smith et al., 2011)		
YD97-9_02		12080±950 cal yrs (Smith et al., 2011)		
YD97-9_02		12080±950 cal yrs (Smith et al., 2011)		
MAR03-24_01		1627-1600 cal. B. C.		
MAR03-25_01		1627-1600 cal. B. C.		
MAR03-25_02		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MAR03-25_03		1627-1600 cal. B. C.		
MAR03-2_01		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MAR03-2_02		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MAR03-2_03		1627-1600 cal. B. C.		
MAR03-3_01		1627-1600 cal. B. C.		
MAR03-28_01		1627-1600 cal. B. C.		
MAR03-28_02		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MAR03-28_03		1627-1600 cal. B. C.		
MAR02-102_01		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MAR02-21_01		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MAR02-89_01		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
CET1_01				
CET1_02				
CET1_03				
CET1_04				
CET1_05				
CET1_06				
CET1_07				
CET1_08				
CET1_09				
CET1_10				
CET1_11				
CET1_12				
CET1_13				
CET1_14				
CET1_15				
CET1_16				
CET1_17				
CET1_18				
CET1_19				
CET1_20				
CET1_21				
CET1_22				
CET1_23				
CET1_24				
CET1_25				
CET1_26				
CET1_27				69618 B.P.
CET1_28		85±/-1.7 Ka (Rotolo et al., 2013)		
CET1_29				
CET1_30				92.4 ± 4.6 ka
CET1_31				92.4 ± 4.6 ka
CET1_32				92.4 ± 4.6 ka
CET1_33				92.4 ± 4.6 ka
CET1_34				92.4 ± 4.6 ka
CET1_35				
CET1_36				99140
CET1_37				101572
CET1_38				101572
CET1_39				101572
CET1_40				101572
CET1_41				102556
CET1_42				104.02 ± 1.04 ka
CET1_43				105.18 ± 0.54 ka
CET1_43				105.18 ± 0.54 ka
KET 8022_01			12.3 ka	
KET 8022_02			40 ka	
KET 8022_03			40 ka	
KET 8022_04				
KET 8022_05				
KET 8022_06				
KET 8011_01				
KET 8011_02				
KET 8011_03				
KET 8011_04				
KET 8011_05				
KET 8011_06				
KET 8011_07			14,18 ka	
KET 8011_08				
KET 8011_09				
KET 8011_10				
KET 8011_11				
KET 8011_12				
KET 8011_13			33,50 ka	
KET 8011_14				
KET 8011_15				
KET 8011_16				
KET 8011_17			40 ka	
KET 8011_18			40 ka	
KET 8011_19				
KET 8011_20				
KET 8011_21				
KET 8011_22				
KET 8011_23				
KET 8011_24				
KET 8011_25				
KET 8011_26				
KET 8011_27				
KET8218_01			8,20 ka	
KET8218_02				
KET8218_03				
KET8218_04				
KET8218_05				
KET8218_06				
KET8218_07				
KET8218_08				
KET8218_09				
KET8218_10			12,3 ka	
KET8218_11				
KET8218_12				
KET8218_13			33,50 ka	
KET8218_14				
KET8218_15				
KET8218_16				
KET8218_17				
KET8218_18				
KET8218_19			40 ka	
KET8218_20			40 ka	
KET8218_21				
KET8218_22				
KET8218_23				
KET8218_24				
KET8218_25				
KET8218_26				
KET8218_27				
KET8218_28				
KET8218_29				
KET8218_30				
KET8218_31				
KET8218_32				
V10 69_01				
V10 69_02				
V10 69_03				
V10 69_04				
V10 69_05				

id	tephra	Composition	interpolated age	Età STORICA	tephra note	id	correlation
YD97-9_01						YD97-9_01_04	
YD97-9_01						YD97-9_01_02	
YD97-9_01						YD97-9_01_01	
YD97-9_02						YD97-9_02_02	
YD97-9_02						YD97-9_02_03	
YD97-9_02						YD97-9_02_01	
MAR03-24_01			2.9 Cal ka and 3.5 Cal ka			MAR03-24_01	
MAR03-25_01			2.9 Cal ka and 3.5 Cal ka			MAR03-25_01	
MAR03-25_02			2.9 Cal ka and 3.5 Cal ka	1822		MAR03-25_02	
MAR03-25_03			ca 35 ka	787 AD		MAR03-25_03	
MAR03-2_01			2.9 cal ka and 3.5 Cal ka	79 AD		MAR03-2_01	
MAR03-2_02			18-21 ka			MAR03-2_02	
MAR03-2_03			ca 42.4 ka	787 AD		MAR03-2_03	
MAR03-3_01			2.9 Cal ka and 3.5 Cal ka	79 AD		MAR03-3_01	
MAR03-28_01			2.9 Cal ka and 3.5 Cal ka	79 AD		MAR03-28_01	
MAR03-28_02			18-21 ka	79 AD		MAR03-28_02	
MAR03-28_03			ca 35 ka	79 AD		MAR03-28_03	
MAR02-102_01			18-21 ka	79 AD		MAR02-102_01	
MAR02-21_01			18-21 ka	79 AD		MAR02-21_01	
MAR02-89_01			18-21 ka	79 AD		MAR02-89_01	
CET1_01		trachyte	1927 \pm 87 cal BP	1139 AD		CET1_01	
CET1_02		tephryphonolite	1113 \pm 721 cal BP	1139 AD		CET1_02	
CET1_03		trachyte	12644 \pm 709 cal BP	1139 AD		CET1_03	
CET1_04		trachyte	13966 \pm 567 cal BP	1139 AD		CET1_04	
CET1_05		phonolite	13966 \pm 567 cal BP	787 AD		CET1_05	
CET1_06		trachyte	14900 \pm 400 cal BP	787 AD		CET1_06	
CET1_07		trachy-phonolite	16256 \pm 240 cal BP	787 AD		CET1_07	
CET1_08		trachyte	17584 \pm 741 cal BP	787 AD		CET1_08	
CET1_09		trachyte-benmoreite	17584 \pm 741 cal BP	685 AD		CET1_09	
CET1_10		trachyte-benmoreite	17584 \pm 741 cal BP	685 AD		CET1_10	
CET1_11		phonosphyrite	23624 \pm 330 cal BP	685 AD		CET1_11	
CET1_12		trachyte	23624 \pm 330 cal BP	685 AD		CET1_12	
CET1_13		Trachybasalt	23624 \pm 330 cal BP			CET1_13	
CET1_14		trachyte	29329 \pm 376 cal BP			CET1_14	
CET1_15		trachyte	29329 \pm 376 cal BP			CET1_15	
CET1_16		trachyte to latite	29329 \pm 376 cal BP			CET1_16	
CET1_17		trachyte	29329 \pm 376 cal BP	1822		CET1_17	
CET1_18		trachyte	32869 \pm 767 cal BP	79 AD		CET1_18	
CET1_19		trachyte	32869 \pm 767 cal BP	79 AD		CET1_19	
CET1_20		trachyte	36390 \pm 678 cal BP			CET1_20	
CET1_21		trachyte	39280 \pm 110 cal BP			CET1_21	
CET1_22		trachyte	39280 \pm 110 cal BP			CET1_22	
CET1_23		trachyte	39280 \pm 110 cal BP			CET1_23	
CET1_24		Pantellerite					
CET1_25		Latite					
CET1_26		tephryphonolite					
CET1_27		trachyte					
CET1_28		rhyolite					
CET1_29		trachyte					
CET1_30		trachyte					
CET1_31		trachyte					
CET1_32		trachyte					
CET1_33		trachyte					
CET1_34		trachyte					
CET1_35		trachyte					
CET1_36		phonolite					
CET1_37		phonolite					
CET1_38		phonolite					
CET1_39		phonolite					
CET1_40		phonolite					
CET1_41		phonolite					CET1_41
CET1_42		trachyte					CET1_42
CET1_43		trachyte					CET1_43_01
CET1_43		trachyte					CET1_43_02
KET 8022_01		tephritic series					KET 8022_01
KET 8022_02		alkali-trachyte					KET 8022_02
KET 8022_03		trachyte		787 AD			KET 8022_03
KET 8022_04		alkali-trachyte	60.3 ka	789 AD			KET 8022_04
KET 8022_05		trachyte	60.3 ka	post 512 AD and/or 685 AD			KET 8022_05
KET 8022_06		trachyte	78.60 ka	post 512 AD and/or 685 AD			KET 8022_06
KET 8011_01		trachyte	3.40 ka				KET 8011_01
KET 8011_02		tephritic series	3.40 ka				KET 8011_02
KET 8011_03		tephritic series	5.70 ka				KET 8011_03
KET 8011_04		rhyolite	7.00 ka				KET 8011_04
KET 8011_05		trachyte	9.76 ka				KET 8011_05
KET 8011_06		Eolian Trachyte	11.50 ka				KET 8011_06
KET 8011_07		Basalt					KET 8011_07
KET 8011_08		alkali-trachyte	14.40 ka				KET 8011_08
KET 8011_09		alkali-trachyte	19.62 ka				KET 8011_09
KET 8011_10		trachyte	26.90 ka				KET 8011_10
KET 8011_11		tephritic series	26.90 ka				KET 8011_11
KET 8011_12		Latite	28.40 ka				KET 8011_12
KET 8011_13		trachyte					KET 8011_13
KET 8011_14		tephritic series	35.20 ka				KET 8011_14
KET 8011_15		alkali-trachyte	35.20 ka				KET 8011_15
KET 8011_16		rhyolite	35.20 ka				KET 8011_16
KET 8011_17		alkali-trachyte					KET 8011_17
KET 8011_18		trachyte					KET 8011_18
KET 8011_19		alkali-trachyte	41.80 ka				KET 8011_19
KET 8011_20		trachyte	41.80 ka				KET 8011_20
KET 8011_21		alkali-trachyte	46.70 ka				KET 8011_21
KET 8011_22		alkali-trachyte					KET 8011_22
KET 8011_23		alkali-trachyte	58.90 ka				KET 8011_23
KET 8011_24		alkali-trachyte	60.30 ka				KET 8011_24
KET 8011_25		alkali-trachyte	62.20 ka				KET 8011_25
KET 8011_26		alkali-trachyte	65.00 ka				KET 8011_26
KET 8011_27		alkali-trachyte	71.00 ka				KET 8011_27
KET8218_01		tephritic series					KET8218_01
KET8218_02		trachyte	8.40 ka				KET8218_02
KET8218_03		trachyte	9.20 ka				KET8218_03
KET8218_04		tephritic series	9.20 ka				KET8218_04
KET8218_05		trachyte	9.76 ka				KET8218_05
KET8218_06		trachyte	10.40 ka				KET8218_06
KET8218_07		trachyte	11.00 ka				KET8218_07
KET8218_08		trachyte	11.40 ka				KET8218_08
KET8218_09		trachyte	11.80 ka				KET8218_09
KET8218_10		tephritic series		512 AD			KET8218_10
KET8218_11		trachyte	16.50 ka				KET8218_11
KET8218_12		trachyte	26.90 ka				KET8218_12
KET8218_13		trachyte					KET8218_13
KET8218_14		alkali-trachyte	35.20 ka				KET8218_14
KET8218_15		alkali-trachyte	36.20 ka				KET8218_15
KET8218_16		trachyte	36.20 ka				KET8218_16
KET8218_17		alkali-trachyte	36.60 ka				KET8218_17
KET8218_18		trachyte	36.60 ka				KET8218_18
KET8218_19		alkali-trachyte					KET8218_19
KET8218_20		trachyte					KET8218_20
KET8218_21		alkali-trachyte	41.80 ka				KET8218_21
KET8218_22		trachyte	41.80 ka				KET8218_22
KET8218_23		alkali-trachyte					KET8218_23
KET8218_24		trachyte					KET8218_24
KET8218_25		alkali-trachyte					KET8218_25
KET8218_26		trachyte					KET8218_26
KET8218_27		alkali-trachyte	55.90 ka				KET8218_27
KET8218_28		trachyte	55.90 ka				KET8218_28
KET8218_29		alkali-trachyte	57.20 ka				KET8218_29
KET8218_30		trachyte					KET8218_30
KET8218_31		alkali-trachyte	60.30 ka				KET8218_31
KET8218_32		alkali-trachyte	62.20 ka				KET8218_32
V10 69_01		Leucite-tephritic	3.5 ka				V10 69_01
V10 69_02		Basalt	18 ka				V10 69_02
V10 69_03		Trachyte	37 ka				V10 69_03
V10 69_04		andesite	79 ka				V10 69_04
V10 69_05		andesite	100 ka				V10 69_05

id tephra	Relation with other tephra code	biblio relation
YD97-9_01	T363	
YD97-9_01	conc GT2	
YD97-9_01	MD 90-918 230	
YD97-9_02	PRAD 203	
YD97-9_02	C-1	
YD97-9_02	MD 90-917 305-310	
MAR03-24_01	Z-2	Keller et al., 1978
MAR03-25_01	Y-2	Keller et al., 1978
MAR03-25_02	Y-2	Keller et al., 1978
MAR03-25_03	Y-5	Keller et al., 1978
MAR03-2_01	Y-2	Keller et al., 1978
MAR03-2_02	Y-2	Keller et al., 1978
MAR03-2_03		
MAR03-3_01	Y-2	Keller et al., 1978
MAR03-28_01	Y-2	Keller et al., 1978
MAR03-28_02	Y-2	Keller et al., 1978
MAR03-28_03	Y-5	Keller et al., 1978
MAR02-102_01	Y-2	Keller et al., 1978
MAR02-21_01	Y-2	Keller et al., 1978
MAR02-89_01	Y-2	Keller et al., 1978
CET1_01	IT-1	de Alterius et al., 2010
CET1_02		
CET1_03		
CET1_04	TM8	
CET1_05		
CET1_06	TM8	
CET1_07	TM14-1	
CET1_08		
CET1_09	Y-1	
CET1_10	Y-1	Keller et al., 1978
CET1_11		
CET1_12	C5	Pateme et al. (1988)
CET1_13	C4	Pateme et al. (1988)
CET1_14	Y-3	Keller et al. (1978)
CET1_15	TM15	
CET1_16		
CET1_17		
CET1_18	TM16b	
CET1_19	C10	
CET1_20		
CET1_21	C13	
CET1_22	Y-5	Keller et al. (1978)
CET1_23		
CET1_24		
CET1_25		
CET1_26		
CET1_27		
CET1_28		
CET1_29		
CET1_30		
CET1_31		
CET1_32		
CET1_33		
CET1_34		
CET1_35		
CET1_36		
CET1_37		
CET1_38		
CET1_39		
CET1_40		
CET1_41	POP2a	
CET1_42	POP2b	
CET1_43	POP3	
CET1_43	TM25	
KET 8022_01	C2	
KET 8022_02	C13	
KET 8022_03	C13	
KET 8022_04	C18	
KET 8022_05	C18	
KET 8022_06		
KET 8011_01		
KET 8011_02		
KET 8011_03		
KET 8011_04	E1	
KET 8011_05		
KET 8011_06		
KET 8011_07	Et-1	
KET 8011_08	C3	
KET 8011_09	C5	
KET 8011_10	C7	
KET 8011_11		
KET 8011_12		
KET 8011_13	C10	
KET 8011_14	E10	
KET 8011_15		
KET 8011_16	E11	
KET 8011_17	C13	
KET 8011_18	C13	
KET 8011_19	C14	
KET 8011_20	C14	
KET 8011_21	C15	
KET 8011_22	C17	
KET 8011_23		
KET 8011_24	C18	
KET 8011_25		
KET 8011_26	C107	
KET 8011_27	C108	
KET8218_01	V-1	
KET8218_02	C10-1	
KET8218_03	C1	
KET8218_04		
KET8218_05		
KET8218_06		
KET8218_07		
KET8218_08		
KET8218_09		
KET8218_10	C2	
KET8218_11		
KET8218_12	C7	
KET8218_13	C10	
KET8218_14	C105	
KET8218_15		
KET8218_16		
KET8218_17	C11	
KET8218_18	C11	
KET8218_19	C13	
KET8218_20	C13	
KET8218_21	C14	
KET8218_22	C14	
KET8218_23	C16	
KET8218_24		
KET8218_25	C17	
KET8218_26		
KET8218_27		
KET8218_28		
KET8218_29	C106	
KET8218_30		
KET8218_31	C18	
KET8218_32		
V10 69_01	Z-1	
V10 69_02	Y-1	
V10 69_03	Y-5	
V10 69_04	X-1	
V10 69_05	X-3	

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
REF00A365	V10 69	V10 69 06	540	macro	V10 69 540	W1		Roman	
REF00A365	V10 69	V10 69 07	620	macro	V10 69 620	V2		Roman	
REF00A365	V10 69	V10 69 08	630	macro	V10 69 630	V3		Hellenic	
REF00A366	V10 58	V10 58 01	75	macro	V10 58 75	Z2	Minoan or BO	Santorini	
REF00A366	V10 58	V10 58 01D	114-55	macro	-		Minoan eruption or Thera (Santorini)		
REF00A366	V10 58	V10 58 02	320	macro	V10 58 320	BU		Santorini	
REF00A366	V10 58	V10 58 02D	368-358	macro	-				
REF00A366	V10 58	V10 58 03	462	macro	V10 58 462	Y4		Santorini	
REF00A366	V10 58	V10 58 03D	557-523	macro	-		Citara-Serrara (Ischia)		
REF00A366	V10 58	V10 58 04	530	macro	V10 58 530	Y5		Ischia???	
REF00A367	V10 50	V10 50 01	140	macro	-	Z2	Minoan or BO	Santorini	
REF00A368	22M-60	22M-60 01		macro	X-5			Campania	
REF00A368	22M-60	22M-60 02		macro	X-6			Campania	
REF00A368	22M-60	22M-60 03		macro	X-4			Etna	
REF00A368	22M-60	22M-60 04		macro	Y-8			Aeolian Islands	
REF00A368	22M-60	22M-60 05		macro	Y-5			Ischia???	
REF00A369	C853	C853 01	172-168	macro	V		1822		
REF00A370	C836bis	C836bis 01	50-48	crypto	V0		1822?		
REF00A370	C836bis	C836bis 01	50-48	crypto	V0		1822?		
REF00A370	C836bis	C836bis 02	185-174	crypto	V1		II medieval		650 AD (paleomagnetic age)
REF00A370	C836bis	C836bis 03	420	macro	V3	AP			3 ka (paleomagnetic age)
REF00A371	C106 12	C106 12 01	48-40	crypto	IS1		Interplinian activity between Avellino and Pompei		
REF00A371	C106 12	C106 12 02	307-218	macro	IS2		Pompei		
REF00A371	C106 12	C106 12 03	385-377	macro	IS3	AP4	Interplinian activity between Avellino and Pompei		
REF00A371	C106 12	C106 12 04	385-377	macro	IS3-a	AP3	Interplinian activity between Avellino and Pompei		
REF00A371	C106 12	C106 12 05	53-45	crypto	IS1		1822?		
REF00A371	C106 12	C106 12 06	59-57	crypto	IS1-a		1631?		
REF00A371	C106 12	C106 12 07	143-134	crypto	IS1-b	Terzigno formation	III medieval		
REF00A371	C106 12	C106 12 08	168-158	crypto	IS1-g		medieval		
REF00A371	C106 12	C106 12 09	314-213	crypto	IS2		Pompei		
REF00A371	C106 12	C106 12 10	250-345	crypto	IS2-a?	AP5	Interplinian activity between Avellino and Pompei		
REF00A371	C106 12	C106 12 11	381-373	macro	IS3	AP4	Interplinian activity between Avellino and Pompei		
REF00A371	C106 12	C106 12 12	390-385	crypto	IS3-a	AP3	Interplinian activity between Avellino and Pompei		
REF00A371	C106 12	C106 12 13	390-385	crypto	IS4		Astroni		
REF00A371	C106 12	C106 12 14	549-545	macro	IS5	SC2-h?			
REF00A371	C106 12	C106 12 15	582-579	macro	IS6		pre-MEGT activity		
REF00A372	C1201	C1201 01	10	crypto	V0		1822		
REF00A372	C1201	C1201 02	45-42	crypto	V1		III medieval		
REF00A372	C1201	C1201 03	140	macro	V2		Pompei		
REF00A372	C1201	C1201 03	140	macro	V2		Pompei		
REF00A372	C1201	C1201 04	180	macro	V3	AP	Interplinian activity between Avellino and Pompei		
REF00A372	C1201	C1201 04	180	macro	V3	AP	Interplinian activity between Avellino and Pompei		
REF00A373	C1200	C1200 01	208-207	crypto	IS1-g				
REF00A374	C1202	C1202 01	29-27	macro	IS2		Pompei		
REF00A374	C1202	C1202 02	49-43	macro	IS3	AP	Interplinian activity between Avellino and Pompei		
REF00A374	C1202	C1202 03	494-476	macro	IS	X-6	pre-C1 activity		108.9±1.8 (Ar/Ar)
REF00A376	BAN-84 01	BAN-84 01 01	271-266	macro	Y-5?		Campanian Ignimbrite	Campi Flegrei	
REF00A376	BAN-84 01	BAN-84 01 01	271-266	macro	Y-5?		Campanian Ignimbrite	Campi Flegrei	
REF00A376	BAN-84 01	BAN-84 01 01	271-266	macro	Y-5?		Campanian Ignimbrite	Campi Flegrei	
REF00A376	BAN-84 01	BAN-84 01 02	500	macro	X-2?		Campanian Ignimbrite	Campi Flegrei	
REF00A376	BAN-84 01	BAN-84 01 03	46-44	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A377	BAN-84 02	BAN-84 02 01	82-80	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A377	BAN-84 02	BAN-84 02 01	82-80	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A377	BAN-84 02	BAN-84 02 01	82-80	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A377	BAN-84 02	BAN-84 02 01	82-80	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A377	BAN-84 02	BAN-84 02 02	383-381	macro	Y-5?	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A377	BAN-84 02	BAN-84 02 02	383-381	macro	Y-5?	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A377	BAN-84 02	BAN-84 02 02	383-381	macro	Y-5?	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A378	BAN-84 08	BAN-84 08 01	17-16	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A378	BAN-84 08	BAN-84 08 02	39-38	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A378	BAN-84 08	BAN-84 08 02	39-38	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A378	BAN-84 08	BAN-84 08 02	39-38	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A378	BAN-84 08	BAN-84 08 02	39-38	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A379	BAN-84 09	BAN-84 09 01	32-31	macro	Y-5?	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A379	BAN-84 09	BAN-84 09 01	32-31	macro	Y-5?	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A379	BAN-84 09	BAN-84 09 01	32-31	macro	Y-5?	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A380	BAN-84 10	BAN-84 10 01	84-81	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A380	BAN-84 10	BAN-84 10 02	16-13	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A381	BAN-84 12	BAN-84 12 01	56-54	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A381	BAN-84 12	BAN-84 12 01	56-54	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A381	BAN-84 12	BAN-84 12 01	56-54	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A382	BAN-86 01	BAN-86 01 01	88-80	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A383	BAN-86 04	BAN-86 04 01	93-91	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A383	BAN-86 04	BAN-86 04 01	93-91	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A383	BAN-86 04	BAN-86 04 01	93-91	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A383	BAN-86 04	BAN-86 04 02	160-158	macro	X-2		Campanian Ignimbrite	Campi Flegrei	
REF00A384	BAN-86 05	BAN-86 05 01	115-114	macro	W-1		Roman Province?/Campania Plain?		
REF00A384	BAN-86 05	BAN-86 05 02	60-55	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A384	BAN-86 05	BAN-86 05 03	132-130	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A384	BAN-86 05	BAN-86 05 03	132-130	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A384	BAN-86 05	BAN-86 05 03	132-130	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A385	BAN-86 07	BAN-86 07 01	20-27	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A386	BAN-86 15	BAN-86 15 01	45-42	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A386	BAN-86 15	BAN-86 15 02	21-28	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A387	BAN-86 17	BAN-86 17 01	87-86	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A387	BAN-86 17	BAN-86 17 01	87-86	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A387	BAN-86 17	BAN-86 17 01	87-86	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A388	BAN-86 24	BAN-86 24 01	86-84	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A389	BAN-86 25	BAN-86 25 01	289-288	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A389	BAN-86 25	BAN-86 25 01	289-288	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A389	BAN-86 25	BAN-86 25 01	289-288	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A389	BAN-86 25	BAN-86 25 02	68	macro	Y-1	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A390	BAN-86 37	BAN-86 37 01	97	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A390	BAN-86 37	BAN-86 37 01	97	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A390	BAN-86 37	BAN-86 37 01	97	macro	Y-5	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A390	BAN-86 37	BAN-86 37 02	189	macro	X-2		Campania Plain		
REF00A391	KET8222	KET8222 01	340-350	n.e.	KET8222-340	C31		Campania	
REF00A391	KET8222	KET8222 02	485	n.e.	KET8222-485	C35		Campania	
REF00A391	KET8222	KET8222 03	555-567	n.e.	KET8222-555	P11		Pantherella Island	
REF00A391	KET8222	KET8222 04	555-567	n.e.	KET8222-555	P11		Pantherella Island	
REF00A391	KET8222	KET8222 05	642	n.e.	KET8222-642	E23		Eolian Province	
REF00A391	KET8222	KET8222 06	765	n.e.	KET8222-765	P12		Pantherella Island	
REF00A391	KET8222	KET8222 07	814	n.e.	KET8222-814	E25		Eolian Province	
REF00A391	KET8222	KET8222 08	837	n.e.	KET8222-837	C49		Campania/Roman	
REF00A391	KET8222	KET8222 09	954-960	n.e.	KET8222-954	P13		Pantherella Island	
REF00A391	KET8222	KET8222 10	963-967	n.e.	KET8222-963,5	P14		Pantherella Island	
REF00A391	KET8222	KET8222 11	963-967	n.e.	KET8222-963,5	P14		Pantherella Island	
REF00A392	RC9 181	RC9 181 01	15	macro	RC9 181 15	Z1		Vesuvius	
REF00A392	RC9 181	RC9 181 01D		macro					
REF00A392	RC9 181	RC9 181 02	105	macro	RC9 181 105	Y5		Ischia???	
REF00A392	RC9 181	RC9 181 02D		macro					
REF00A392	RC9 181	RC9 181 03	190	macro	RC9 181 190	X1		Hellenic	
REF00A392	RC9 181	RC9 181 03D		macro					
REF00A392	RC9 181	RC9 181 04	410	macro	RC9 181 410	V1		Hellenic	
REF00A392	RC9 181	RC9 181 04D		macro					
REF00A392	RC9 181	RC9 181 05	440	macro	RC9 181 440	V3		Hellenic	
REF00A393	V10 67	V10 67 01		macro					
REF00A393	V10 67	V10 67 02		macro					
REF00A393	V10 67	V10 67 03		macro					
REF00A394	V10 52	V10 52 01		macro					
REF00A395	V10 57	V10 57 01		macro					
REF00A396	RC9 175	RC9 175 01		macro					
REF00A398	RC9 189	RC9 189 01		macro					
REF00A398	RC9 189	RC9 189 02		macro					
REF00A398	RC9 189	RC9 189 03		macro					

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
V10 69 06				
V10 69 07				
V10 69 08				
V10 58 01				
V10 58 01D		3370±100 14C years=3527±44 14C years BP		
V10 58 02				
V10 58 02D				
V10 58 03				
V10 58 03D				
V10 58 04				
V10 50 01				
22M-60 01				
22M-60 02				
22M-60 03				
22M-60 04				
22M-60 05				
C853 01				
C836bis 01				
C836bis 01				
C836bis 02				
C836bis 03				
C106 12 01				
C106 12 02				
C106 12 03				
C106 12 04		2710±60 (14C)		
C106 12 05				
C106 12 06				
C106 12 07				
C106 12 08				
C106 12 09				
C106 12 10				
C106 12 11				
C106 12 12				
C106 12 13				
C106 12 14		55-65 ka		
C106 12 15		55-65 ka		
C1201 01				
C1201 02				
C1201 03				
C1201 04		2710±60 (14C)		
C1201 04		2710±60 (14C)		
C1200 01				
C1202 01				
C1202 02		2.710±0.60 (14C)		
C1202 03				
BAN-84 01 01				
BAN-84 01 01				
BAN-84 01 01				
BAN-84 01 02				
BAN-84 01 03		16965-17670 cal years BP (Siani et al., 2001)		
BAN-84 02 01		39.28±0.11 (Ar/Ar)		
BAN-84 02 01		39.28±0.11 (Ar/Ar)		
BAN-84 02 01		39.28±0.11 (Ar/Ar)		
BAN-84 02 01		39.28±0.11 (Ar/Ar)		
BAN-84 02 02		39.28±0.11 (Ar/Ar)		
BAN-84 02 02		39.28±0.11 (Ar/Ar)		
BAN-84 02 02		39.28±0.11 (Ar/Ar)		
BAN-84 02 02		39.28±0.11 (Ar/Ar)		
BAN-84 08 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-84 08 02		39.28±0.11 (Ar/Ar)		
BAN-84 08 02		39.28±0.11 (Ar/Ar)		
BAN-84 08 02		39.28±0.11 (Ar/Ar)		
BAN-84 08 02		39.28±0.11 (Ar/Ar)		
BAN-84 09 01		39.28±0.11 (Ar/Ar)		
BAN-84 09 01		39.28±0.11 (Ar/Ar)		
BAN-84 09 01		39.28±0.11 (Ar/Ar)		
BAN-84 10 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-84 10 02		16965-17670 cal years BP (Siani et al., 2001)		
BAN-84 12 01		39.28±0.11 (Ar/Ar)		
BAN-84 12 01		39.28±0.11 (Ar/Ar)		
BAN-84 12 01		39.28±0.11 (Ar/Ar)		
BAN-84 12 01		39.28±0.11 (Ar/Ar)		
BAN-86 01 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 04 01		39.28±0.11 (Ar/Ar)		
BAN-86 04 01		39.28±0.11 (Ar/Ar)		
BAN-86 04 01		39.28±0.11 (Ar/Ar)		
BAN-86 04 01		39.28±0.11 (Ar/Ar)		
BAN-86 05 01				
BAN-86 05 02		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 05 03		39.28±0.11 (Ar/Ar)		
BAN-86 05 03		39.28±0.11 (Ar/Ar)		
BAN-86 05 03		39.28±0.11 (Ar/Ar)		
BAN-86 05 03		39.28±0.11 (Ar/Ar)		
BAN-86 07 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 15 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 15 02		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 17 01		39.28±0.11 (Ar/Ar)		
BAN-86 17 01		39.28±0.11 (Ar/Ar)		
BAN-86 17 01		39.28±0.11 (Ar/Ar)		
BAN-86 24 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 25 01		39.28±0.11 (Ar/Ar)		
BAN-86 25 01		39.28±0.11 (Ar/Ar)		
BAN-86 25 01		39.28±0.11 (Ar/Ar)		
BAN-86 25 01		39.28±0.11 (Ar/Ar)		
BAN-86 25 02		16965-17670 cal years BP (Siani et al., 2001)		
BAN-86 37 01		39.28±0.11 (Ar/Ar)		
BAN-86 37 01		39.28±0.11 (Ar/Ar)		
BAN-86 37 01		39.28±0.11 (Ar/Ar)		
BAN-86 37 01		39.28±0.11 (Ar/Ar)		
BAN-86 37 02				
KET8222 01				
KET8222 02				
KET8222 03				
KET8222 04				
KET8222 05				
KET8222 06				
KET8222 07				
KET8222 08				
KET8222 09				
KET8222 10				
KET8222 11				
RC9 181 01				
RC9 181 01D				
RC9 181 02				
RC9 181 02D				
RC9 181 03				
RC9 181 03D				
RC9 181 04				
RC9 181 04D				
RC9 181 05				
V10 67 01				
V10 67 02				
V10 67 03				
V10 52 01				
V10 57 01				
RC9 175 01				
RC9 189 01				
RC9 189 02				
RC9 189 03				

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
V10 69 06	tephrite	140 ka			V10 69 06
V10 69 07	Melilitite-tephritite	170 ka			V10 69 07
V10 69 08	dacite	180 ka			V10 69 08
V10 58 01	rhyodacite	4.5 ka			V10 58 01
V10 58 01D				peaks of pyroxene concentrations	V10 58 01D
V10 58 02	rhyodacite	19 ka			V10 58 02
V10 58 02D				peaks of pyroxene concentrations	V10 58 02D
V10 58 03	andesite-dacite	33 ka			V10 58 03
V10 58 03D					V10 58 03D
V10 58 04	Trachyte	37 ka			V10 58 04
V10 50 01	rhyodacite	4.5 ka			V10 50 01
22M-60 01	Trachyte	106 ka			22M-60 01
22M-60 02	Trachyte	110 ka			22M-60 02
22M-60 03	Alkali-basaltic	103 ka			22M-60 03
22M-60 04	Andesite	56 ka			22M-60 04
22M-60 05	trachyte	37 ka			22M-60 05
C853 01			1822		C853 01
C836bis 01			1822?1631?		C836bis 01 01
C836bis 01			1822?1631?		C836bis 01 02
C836bis 02					C836bis 02
C836bis 03					C836bis 03
C106 12 01			1822		C106 12 01
C106 12 02			79 AD		C106 12 02
C106 12 03					C106 12 03
C106 12 04					C106 12 04
C106 12 05		1745±80 AD			C106 12 05
C106 12 06		1690±80 AD			C106 12 06
C106 12 07		715±65 AD	788 AD		C106 12 07
C106 12 08		542±50 AD	post 512 AD and/or 685 AD		C106 12 08
C106 12 09			79 AD	reworked?	C106 12 09
C106 12 10		2.87±0.80			C106 12 10
C106 12 11		3.3±0.1			C106 12 11
C106 12 12		3.7±0.11			C106 12 12
C106 12 13		4.53±0.11		Di Vito et al., 2008	C106 12 13
C106 12 14					C106 12 14
C106 12 15					C106 12 15
C1201 01					C1201 01
C1201 02					C1201 02
C1201 03			79 AD		C1201 03 02
C1201 03			79 AD		C1201 03 01
C1201 04					C1201 04 01
C1201 04					C1201 04 02
C1200 01					C1200 01
C1202 01			79 AD		C1202 01
C1202 02					C1202 02
C1202 03					C1202 03
BAN-84 01 01					BAN-84 01 01 04
BAN-84 01 01					BAN-84 01 01 01
BAN-84 01 01					BAN-84 01 01 02
BAN-84 01 01					BAN-84 01 01 03
BAN-84 01 02					BAN-84 01 02
BAN-84 01 03					BAN-84 01 03
BAN-84 02 01					BAN-84 02 01
BAN-84 02 01					BAN-84 02 02
BAN-84 02 01					BAN-84 02 03
BAN-84 02 01					BAN-84 02 04
BAN-84 02 02					BAN-84 02 02 03
BAN-84 02 02					BAN-84 02 02 04
BAN-84 02 02					BAN-84 02 02 01
BAN-84 02 02					BAN-84 02 02 02
BAN-84 08 01					BAN-84 08 01
BAN-84 08 02					BAN-84 08 02 01
BAN-84 08 02					BAN-84 08 02 02
BAN-84 08 02					BAN-84 08 02 03
BAN-84 08 02					BAN-84 08 02 04
BAN-84 09 01					BAN-84 09 01 01
BAN-84 09 01					BAN-84 09 01 02
BAN-84 09 01					BAN-84 09 01 03
BAN-84 10 01					BAN-84 10 01
BAN-84 10 02					BAN-84 10 02
BAN-84 12 01					BAN-84 12 01 04
BAN-84 12 01					BAN-84 12 01 01
BAN-84 12 01					BAN-84 12 01 02
BAN-84 12 01					BAN-84 12 01 03
BAN-86 01 01					BAN-86 01 01
BAN-86 04 01					BAN-86 04 01 02
BAN-86 04 01					BAN-86 04 01 03
BAN-86 04 01					BAN-86 04 01 04
BAN-86 04 01					BAN-86 04 01 01
BAN-86 04 02					BAN-86 04 02
BAN-86 05 01					BAN-86 05 01
BAN-86 05 02					BAN-86 05 02
BAN-86 05 03					BAN-86 05 03 04
BAN-86 05 03					BAN-86 05 03 03
BAN-86 05 03					BAN-86 05 03 01
BAN-86 05 03					BAN-86 05 03 02
BAN-86 07 01					BAN-86 07 01
BAN-86 15 01					BAN-86 15 01
BAN-86 15 02					BAN-86 15 02
BAN-86 17 01					BAN-86 17 01 01
BAN-86 17 01					BAN-86 17 01 04
BAN-86 17 01					BAN-86 17 01 03
BAN-86 17 01					BAN-86 17 01 02
BAN-86 24 01					BAN-86 24 01
BAN-86 25 01					BAN-86 25 01 02
BAN-86 25 01					BAN-86 25 01 03
BAN-86 25 01					BAN-86 25 01 04
BAN-86 25 01					BAN-86 25 01-01
BAN-86 25 02					BAN-86 25 02
BAN-86 37 01					BAN-86 37 01 04
BAN-86 37 01					BAN-86 37 01 03
BAN-86 37 01					BAN-86 37 01 01
BAN-86 37 01					BAN-86 37 01 02
BAN-86 37 02					BAN-86 37 02
KET8222 01	trachyte	80 ka			KET8222 01
KET8222 01	trachyte	105.90 ka			KET8222 01
KET8222 02	trachyte	121.50 ka			KET8222 02
KET8222 03	rhyolite	130.6 ka			KET8222 03
KET8222 04	benmoreite	130.6 ka			KET8222 04
KET8222 05	basaltic andesite	143.4 ka			KET8222 05
KET8222 06	rhyolite	163.6 ka			KET8222 06
KET8222 07	dacite	171.9ka			KET8222 07
KET8222 08	trachyte	175.8 ka			KET8222 08
KET8222 09	rhyolite	192.5 ka			KET8222 09
KET8222 10	tephry-phonolite	192.5 ka			KET8222 10
KET8222 11	trachydacite	192.5 ka			KET8222 11
RC9 181 01	Leucite-tephritite	3 ka			RC9 181 01
RC9 181 01D	trachyte	37 ka			RC9 181 01D
RC9 181 02	Trachyte	37 ka			RC9 181 02
RC9 181 02D	Andesitic	79 ka			RC9 181 02D
RC9 181 03	andesite	79 ka			RC9 181 03
RC9 181 03D	rhyodacite	155 ka			RC9 181 03D
RC9 181 04	rhyodacite	155 ka			RC9 181 04
RC9 181 04D	dacite	180 ka			RC9 181 04D
RC9 181 05	dacite	180 ka			RC9 181 05
V10 67 01	Andesite	79 ka			V10 67 01
V10 67 02	tephrite	140 ka			V10 67 02
V10 67 03	trachyte	37 ka			V10 67 03
V10 52 01	rhyodacite	4.5 ka			V10 52 01
V10 57 01	rhyodacite	4.5 ka			V10 57 01
RC9 175 01	rhyodacite	19 ka			RC9 175 01
RC9 189 01	Leucite-tephritite	3 ka			RC9 189 01
RC9 189 02	Andesite	79 ka			RC9 189 02
RC9 189 03	trachyte	37 ka			RC9 189 03

id tephra	Relation with other tephra code	biblio relation
V10 69 06	W-1	
V10 69 07	Y-2	
V10 69 08	V-3	
V10 58 01	Z-2	
V10 58 01D		
V10 58 02	Y-2	
V10 58 02D		
V10 58 03	Y-4	
V10 58 03D		
V10 58 04	Y-5	
V10 50 01	Z-2	
22M-60 01		
22M-60 02	X-6	
22M-60 03	X-4	
22M-60 04	Y-8	
22M-60 05	Y-5	
C853 01		
C836bs 01	V	lorio et al., 2004
C836bs 01	S1	Sacchi et al., 2005, Insinga et al., 2008
C836bs 02	V1	lorio et al., 2004
C836bs 03		
C106 12 01		
C106 12 02		
C106 12 03	V3	from lorio et al., 2004
C106 12 04		
C106 12 05	V	from lorio et al., 2004
C106 12 06		
C106 12 07		
C106 12 08		
C106 12 09	V2	from lorio et al., 2004
C106 12 10		
C106 12 11	V3	from lorio et al., 2004
C106 12 12		
C106 12 13		
C106 12 14		
C106 12 15		
C1201 01		
C1201 02		
C1201 03	IN4	Sacchi et al., 2005 and Insinga et al., 2008
C1201 03	S2	Sacchi et al., 2005 and Insinga et al., 2008
CT201 04	S3	Insinga et al., 2008
C1201 04	S3-a	Insinga et al., 2008
C1200 01		
C1202 01		
C1202 02		
C1202 03		
BAN-84 01 01	T1598	
BAN-84 01 01	C-13	
BAN-84 01 01	I-3	
BAN-84 01 01	PRAD 1653	
BAN-84 01 02		
BAN-84 01 03	I-1	
BAN-84 02 01	C-13	
BAN-84 02 01	I-3	
BAN-84 02 01	PRAD 1653	
BAN-84 02 01	T1598	
BAN-84 02 02	PRAD 1653	
BAN-84 02 02	T1598	
BAN-84 02 02	C-13	
BAN-84 02 02	I-3	
BAN-84 08 01	I-1	
BAN-84 08 02	C-13	
BAN-84 08 02	I-3	
BAN-84 08 02	PRAD 1653	
BAN-84 08 02	T1598	
BAN-84 09 01	C-13	
BAN-84 09 01	T1598	
BAN-84 09 01	I-3	
BAN-84 09 01	PRAD 1653	
BAN-84 10 01	I-1	
BAN-84 10 02	I-1	
BAN-84 12 01	T1598	
BAN-84 12 01	C-13	
BAN-84 12 01	I-3	
BAN-84 12 01	PRAD 1653	
BAN-86 01 01	I-1	
BAN-86 04 01	I-3	
BAN-86 04 01	PRAD 1653	
BAN-86 04 01	T1598	
BAN-86 04 01	C-13	
BAN-86 04 02		
BAN-86 05 01	I-10	?
BAN-86 05 02	I-1	
BAN-86 05 03	T1598	
BAN-86 05 03	PRAD 1653	
BAN-86 05 03	C-13	
BAN-86 05 03	I-3	
BAN-86 07 01	I-1	
BAN-86 15 01	I-1	
BAN-86 15 02	I-1	
BAN-86 17 01	C-13	
BAN-86 17 01	T1598	
BAN-86 17 01	PRAD 1653	
BAN-86 17 01	I-3	
BAN-86 24 01	I-1	
BAN-86 25 01	I-3	
BAN-86 25 01	PRAD 1653	
BAN-86 25 01	T1598	
BAN-86 25 01	C-13	
BAN-86 25 02	I-1	
BAN-86 37 01	T1598	
BAN-86 37 01	PRAD 1653	
BAN-86 37 01	C-13	
BAN-86 37 01	I-3	
BAN-86 37 02		
KET8222 01	C31	
KET8222 02	C35	
KET8222 05	P11	
KET8222 04	P11	
KET8222 05	E23	
KET8222 06	P12	
KET8222 07	E25	
KET8222 08	C49	
KET8222 09	P13	
KET8222 10	P14	
KET8222 11	P14	
RC9 181 01	Z-1	
RC9 181 01D	Y-5	
RC9 181 02	Y-5	
RC9 181 02D	X-1	
RC9 181 03	X-1	
RC9 181 03D	V-1	
RC9 181 04	V-1	
RC9 181 04D	V-3	
RC9 181 05	V-3	
V10 67 01	X-1	
V10 67 02	W-1	
V10 67 03	Y-5	
V10 52 01	Z-2	
V10 57 01	Z-2	
RC9 175 01	Y-2	
RC9 189 01	Z-1	
RC9 189 02	X-1	
RC9 189 03	Y-5	

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
REF00A398	RC9 189	RC9 189 04		macro		X2		Campania	
REF00A400	V14 132	V10 67 01D		macro		Z1		Vesuvius	
REF00A400	V14 132	V14 132 01		macro		Y5		Ischia???	
REF00A400	V14 132	V14 132 02		macro		X1		Hellenic	
REF00A401	V14 133	V14 133 01		macro		X1		Hellenic	
REF00A403	V10 65	V10 65 01		macro		Y5		Ischia???	
REF00A403	V10 65	V10 65 02		macro		V1		Hellenic	
REF00A403	V10 65	V10 65 03		macro		V3		Hellenic	
REF00A404	RC9 179	RC9 179 01		macro		Y5		Ischia???	
REF00A404	RC9 179	RC9 179 02		macro		V5		Hellenic	
REF00A405	RC9 182	RC9 182 01		macro		Z2		Vesuvius	
REF00A405	RC9 182	RC9 182 02		macro		Y5		Ischia???	
REF00A405	RC9 182	RC9 182 03		macro		V3		Hellenic	
REF00A406	V10 68	V10 68 01		macro		Y6		Pantelleria Island	
REF00A406	V10 68	V10 68 01D		macro		Y3		Campania	
REF00A406	V10 68	V10 68 02		macro		Y7		Campania	
REF00A406	V10 68	V10 68 03		macro		Y5		Ischia???	
REF00A407	RC9 180	RC9 180 01		macro		Y5		Ischia???	
REF00A408	ALB 194	ALB 194 01		macro		Y5		Ischia???	
REF00A409	ALB 196	ALB 196 01		macro		Y5		Ischia???	
REF00A410	ALB 192	ALB 192 01		macro		Z2	Minoan or BO	Santorini	
REF00A410	ALB 192	ALB 192 02		macro		Y5		Ischia???	
REF00A411	ALB 190	ALB 190 01		macro		Y5		Ischia???	
REF00A412	ALB 188	ALB 188 01		macro		BU		Santorini	
REF00A412	ALB 188	ALB 188 02		macro		Y5		Ischia???	
REF00A413	ALB 189	ALB 189 01		macro		Z2	Minoan or BO	Santorini	
REF00A413	ALB 189	ALB 189 02		macro		Y5		Ischia???	
REF00A414	ALB 187	ALB 187 01		macro		BU		Santorini	
REF00A414	ALB 187	ALB 187 02		macro		Y5		Ischia???	
REF00A415	V10 64	V10 64 01		macro		Y5		Ischia???	
REF00A416	V10 64	V10 64 01		macro		Y5		Ischia???	
REF00A417	RC9 176	RC9 176 01		macro		Y5		Ischia???	
REF00A418	MGF2	MGF2 01	17.50-15.50	macro	tephra C		Capo Miseno		
REF00A419	MGF3	MGF3 01	17.50-16	macro	tephra C		Capo Miseno		
REF00A420	MGF4	MGF4 01	16-12.50	macro	tephra C		Capo Miseno		
REF00A421	MGF5	MGF5 01	14-13.70	macro	tephra C		Capo Miseno		
REF00A422	BAN-88 14	BAN-88 14 01	41-40	macro	Y-1	BMI	Biancavilla-Montalto Igimbrite	Etna	
REF00A422	BAN-88 14	BAN-88 14 02	69-66	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A422	BAN-88 14	BAN-88 14 02	69-66	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A422	BAN-88 14	BAN-88 14 02	69-66	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A423	BAN-88 17	BAN-88 17 01	57-55	macro	Y-1	BMI	Biancavilla-Montalto Igimbrite	Etna	
REF00A423	BAN-88 17	BAN-88 17 02	89-87	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A423	BAN-88 17	BAN-88 17 02	89-87	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A423	BAN-88 17	BAN-88 17 02	89-87	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A423	BAN-88 17	BAN-88 17 02	89-87	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A424	BAN-88 21	BAN-88 21 01	-	macro	Y-1	BMI	Biancavilla-Montalto Igimbrite	Etna	
REF00A424	BAN-88 21	BAN-88 21 02	177-169	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A424	BAN-88 21	BAN-88 21 02	177-169	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A424	BAN-88 21	BAN-88 21 02	177-169	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A424	BAN-88 21	BAN-88 21 03	248-245	macro	X-2?		Campanian Igimbrite	Campania Plain	
REF00A425	MC22	MC22 01	33-30	macro	Z-2		Minoan	Santorini	
REF00A426	MC17	MC17 01	141-138	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A426	MC17	MC17 01	141-138	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A426	MC17	MC17 01	141-138	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A426	MC17	MC17 01	141-138	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A427	MC15	MC15 01	ca 20	macro	Z-2		Minoan	Santorini	
REF00A427	MC15	MC15 02	ca 100	macro	Y-5				
REF00A427	MC15	MC15 03	197-175	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A427	MC15	MC15 03	197-175	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A427	MC15	MC15 03	197-175	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A427	MC15	MC15 03	197-175	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A428	MC16	MC16 01	39-33	macro	Z-2		Minoan	Santorini	
REF00A428	MC16	MC16 02	248-245	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A428	MC16	MC16 02	248-245	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A428	MC16	MC16 02	248-245	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A428	MC16	MC16 02	248-245	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A429	MC13	MC13 01	98-38	macro	Z-2		Minoan	Santorini	
REF00A430	MC12	MC12 01	262-66	macro	Z-2		Minoan	Santorini	
REF00A430	MC12	MC12 02	119-116	macro	Y-2		Cape Riva	Santorini	
REF00A430	MC12	MC12 03	ca 145-143	macro	Y-4			Santorini	
REF00A430	MC12	MC12 04	208-197	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A430	MC12	MC12 04	208-197	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A430	MC12	MC12 04	208-197	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A430	MC12	MC12 04	208-197	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A431	MC10	MC10 01	29-27	macro	Z-2		Minoan	Santorini	
REF00A431	MC10	MC10 02	148-136	macro	Y-2		Cape Riva	Santorini	
REF00A431	MC10	MC10 03	ca 170	macro	Y-4			Santorini	
REF00A431	MC10	MC10 04	ca 120	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A431	MC10	MC10 04	ca 120	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A431	MC10	MC10 04	ca 120	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A431	MC10	MC10 04	ca 120	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A432	MC9	MC9 01	ca 100-80	macro	Z-2		Minoan	Santorini	
REF00A432	MC9	MC9 02	ca 250-240	macro	Z-2?		Minoan	Santorini	
REF00A433	MC26	MC26 01	ca 25	macro	Z-2		Minoan	Santorini	
REF00A433	MC26	MC26 02	ca 270	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A433	MC26	MC26 02	ca 270	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A433	MC26	MC26 02	ca 270	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A434	MC27	MC27 01	ca 270	macro	Z-2		Minoan	Santorini	
REF00A434	MC27	MC27 02	ca 310	macro	Nisyros		Nisyros		
REF00A435	MC11	MC11 01	ca 151-148	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A435	MC11	MC11 01	ca 151-148	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A435	MC11	MC11 01	ca 151-148	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A435	MC11	MC11 01	ca 151-148	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A436	MC7	MC7 01	ca 30	macro	?				
REF00A436	MC7	MC7 02	63-60	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A436	MC7	MC7 02	63-60	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A436	MC7	MC7 02	63-60	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A436	MC7	MC7 02	63-60	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A437	MC5	MC5 01	108-102	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A437	MC5	MC5 01	108-102	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A437	MC5	MC5 01	108-102	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A437	MC5	MC5 01	108-102	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A438	MC28	MC28 01	129-127	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A438	MC28	MC28 01	129-127	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A438	MC28	MC28 01	129-127	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A439	MC30	MC30 01	ca 100	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A439	MC30	MC30 01	ca 100	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A439	MC30	MC30 01	ca 100	macro	Y-5	CI	Campanian Igimbrite	Campi Flegrei	
REF00A439	MC30	MC30 02	196-193	macro	X-1			Aeolian?	
REF00A439	MC30	MC30 03	317-315	macro	W-3		Kos Plateau Pumice	Kos	
REF00A440	MC31	MC31 01	248-245	macro	V-1		Lower Pumice	Santorini	
REF00A440	MC31	MC31 02	ca 290	macro	W-3		Kos Plateau Pumice	Kos	
REF00A441	80K826	K826 01	90-88	macro	W-3		Kos Plateau Pumice	Kos	
REF00A441	80K826	K826 02	158-154	macro	V-3			Hellenic	
REF00A442	MC35	MC35 01	174-129	macro	Z-2?		Minoan	Santorini	
REF00A444	376	42A-376-1-CC 01	750	macro				Isparia/Gölcük region (western Taurides)	
REF00A445	378	42A-378-8-2 01	2185.3	macro				Aegean Arc	
REF00A446	VM10-65	VM10-65 01	117-120	macro				Aeolian Arc	
REF00A447	VM10-58	VM10-58 01	680-662	macro				Isparia/Gölcük region (western Taurides)?	
REF00A448	VM10-50	VM10-50 01	404-390	macro				Isparia/Gölcük region (western Taurides)?	
REF00A454	C69	C69 017	15	macro	Z-2		Minoan	Santorini	
REF00A471	MSK-12C4	MSK-12 C4 1	224-226	macro	TL2		Pompeii	Somma-Vesuvius	
REF00A471	MSK-12C4	MSK-12 C4 2	304-306	macro	TL1		Gabellotto-Fiumbianco	Lipari (Aeolian Arc)	
REF00A524	PAL94-66	PAL94-66 01	64	macro	PAL94-64	GF	Agano-Monte Spina	Campi Flegrei	
REF00A524	PAL94-66	PAL94-66 02	214	macro	PAL94-66 214	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A524	PAL94-66	PAL94-66 03	214	macro	PAL94-66 214	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A524	PAL94-66	PAL94-66 04	266	macro	PAL94-66 266	LA	Lagno Amendolare	Campi Flegrei	
REF00A524	PAL94-66	PAL94-66 05	358	macro	PAL94-66 358	BMI	Biancavilla	Etna	
REF00A524	PAL94-66	PAL94-66 06	358	macro	PAL94-66 358	BMI	Biancavilla	Etna	

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
RC9 189 04				
V10 67 01D				
V14 132 01				
V14 132 02				
V14 133 01				
V10 65 01				
V10 65 02				
V10 65 03				
RC9 179 01				
RC9 179 02				
RC9 182 01				
RC9 182 02				
RC9 182 03				
V10 68 01				
V10 68 01D				
V10 68 02				
V10 68 03				
RC9 180 01				
ALB 194 01				
ALB 196 01				
ALB 192 01				
ALB 192 02				
ALB 190 01				
ALB 188 01				
ALB 188 02				
ALB 189 01				
ALB 189 02				
ALB 187 01				
ALB 187 02				
V10 48 01				
V10 64 01				
RC9 176 01				
MGF2 01		3.9 ka:5.1 ka Ar/Ar		
MGF3 01		3.9 ka:5.1 ka Ar/Ar		
MGF4 01		3.9 ka:5.1 ka Ar/Ar		
MGF5 01		3.9 ka:5.1 ka Ar/Ar		
BAN-88 14 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-88 14 02		39.28±0.11 (Ar/Ar)		
BAN-88 14 02		39.28±0.11 (Ar/Ar)		
BAN-88 14 02		39.28±0.11 (Ar/Ar)		
BAN-88 14 02		39.28±0.11 (Ar/Ar)		
BAN-88 17 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-88 17 02		39.28±0.11 (Ar/Ar)		
BAN-88 17 02		39.28±0.11 (Ar/Ar)		
BAN-88 17 02		39.28±0.11 (Ar/Ar)		
BAN-88 17 02		39.28±0.11 (Ar/Ar)		
BAN-88 21 01		16965-17670 cal years BP (Siani et al., 2001)		
BAN-88 21 02		39.28±0.11 (Ar/Ar)		
BAN-88 21 02		39.28±0.11 (Ar/Ar)		
BAN-88 21 02		39.28±0.11 (Ar/Ar)		
BAN-88 21 02		39.28±0.11 (Ar/Ar)		
BAN-88 21 03		39.28±0.11 (Ar/Ar)		
MC22 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC17 01		39.28±0.11 (Ar/Ar)		
MC17 01		39.28±0.11 (Ar/Ar)		
MC17 01		39.28±0.11 (Ar/Ar)		
MC17 01		39.28±0.11 (Ar/Ar)		
MC15 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC15 02		39.28±0.11 (Ar/Ar)		
MC15 03		39.28±0.11 (Ar/Ar)		
MC15 03		39.28±0.11 (Ar/Ar)		
MC15 03		39.28±0.11 (Ar/Ar)		
MC15 03		39.28±0.11 (Ar/Ar)		
MC16 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC16 02		39.28±0.11 (Ar/Ar)		
MC16 02		39.28±0.11 (Ar/Ar)		
MC16 02		39.28±0.11 (Ar/Ar)		
MC16 02		39.28±0.11 (Ar/Ar)		
MC13 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC12 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC12 02		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MC12 03		39.28±0.11 (Ar/Ar)		
MC12 04		39.28±0.11 (Ar/Ar)		
MC12 04		39.28±0.11 (Ar/Ar)		
MC12 04		39.28±0.11 (Ar/Ar)		
MC12 04		39.28±0.11 (Ar/Ar)		
MC10 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC10 02		18050±340 to 18880±230 years BP (Pichler and Friederich, 1976)		
MC10 03		39.28±0.11 (Ar/Ar)		
MC10 04		39.28±0.11 (Ar/Ar)		
MC10 04		39.28±0.11 (Ar/Ar)		
MC10 04		39.28±0.11 (Ar/Ar)		
MC10 04		39.28±0.11 (Ar/Ar)		
MC9 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC9 02		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC26 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC26 02		39.28±0.11 (Ar/Ar)		
MC26 02		39.28±0.11 (Ar/Ar)		
MC26 02		39.28±0.11 (Ar/Ar)		
MC27 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
MC27 02		39.28±0.11 (Ar/Ar)		
MC11 01		39.28±0.11 (Ar/Ar)		
MC11 01		39.28±0.11 (Ar/Ar)		
MC11 01		39.28±0.11 (Ar/Ar)		
MC11 01		39.28±0.11 (Ar/Ar)		
MC7 01		39.28±0.11 (Ar/Ar)		
MC7 02		39.28±0.11 (Ar/Ar)		
MC7 02		39.28±0.11 (Ar/Ar)		
MC7 02		39.28±0.11 (Ar/Ar)		
MC7 02		39.28±0.11 (Ar/Ar)		
MC5 01		39.28±0.11 (Ar/Ar)		
MC5 01		39.28±0.11 (Ar/Ar)		
MC5 01		39.28±0.11 (Ar/Ar)		
MC5 01		39.28±0.11 (Ar/Ar)		
MC28 01		39.28±0.11 (Ar/Ar)		
MC28 01		39.28±0.11 (Ar/Ar)		
MC28 01		39.28±0.11 (Ar/Ar)		
MC28 01		39.28±0.11 (Ar/Ar)		
MC30 01		39.28±0.11 (Ar/Ar)		
MC30 01		39.28±0.11 (Ar/Ar)		
MC30 01		39.28±0.11 (Ar/Ar)		
MC30 02		39.28±0.11 (Ar/Ar)		
MC30 03		39.28±0.11 (Ar/Ar)		
MC31 01		39.28±0.11 (Ar/Ar)		
MC31 02		39.28±0.11 (Ar/Ar)		
KR26 01		39.28±0.11 (Ar/Ar)		
KR26 02		39.28±0.11 (Ar/Ar)		
MC35 01		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
42A-376-1-CC 01				
42A-378-8-2 01				
VM10-65 01				
VM10-58 01				
VM10-50 01				
C69 017		1359±17 BC (weighted age; Pichler and Friederich, 1976)		
M5K-12 C4 1			8450±76 cal years	
M5K-12 C4 2		8378-8422 cal years (Siani et al., 2004)	8450±76 cal years	
PAL94-66 01				
PAL94-66 02			13600-14700	
PAL94-66 03			13600-14700	
PAL94-66 04			15100-15800	
PAL94-66 05			16200-17900	
PAL94-66 06			16200-17900	

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
RC9 189 04	trachyte	90 ka			RC9 189 04
V10 67 01D	Laezelite-tephritite	3 ka			V10 67 01D
V14 132 01	trachyte	37 ka			V14 132 01
V14 132 02	Andesite	79 ka			V14 132 02
V14 133 01	Andesite	79 ka			V14 133 01
V10 65 01	trachyte	37 ka			V10 65 01
V10 65 02	rhyodacite	155 ka			V10 65 02
V10 65 03	dacite	180 ka			V10 65 03
RC9 179 01	trachyte	37 ka			RC9 179 01
RC9 179 02	dacite	180 ka			RC9 179 02
RC9 182 01	Laezelite-tephritite	3 ka			RC9 182 01
RC9 182 02	trachyte	37 ka			RC9 182 02
RC9 182 03	dacite	180 ka			RC9 182 03
V10 68 01	peralkalic	53 ka			V10 68 01
V10 68 01D	trachyte	26 ka			V10 68 01D
V10 68 02	Trachyte	55 ka			V10 68 02
V10 68 03	trachyte	37 ka			V10 68 03
RC9 180 01	trachyte	37 ka			RC9 180 01
ALB 194 01	trachyte	37 ka			ALB 194 01
ALB 196 01	trachyte	37 ka			ALB 196 01
ALB 192 01	rhyodacite	4.5 ka			ALB 192 01
ALB 192 02	trachyte	37 ka			ALB 192 02
ALB 190 01	trachyte	37 ka			ALB 190 01
ALB 188 01	rhyodacite	19 ka			ALB 188 01
ALB 188 02	trachyte	37 ka			ALB 188 02
ALB 189 01	rhyodacite	4.5 ka			ALB 189 01
ALB 189 02	trachyte	37 ka			ALB 189 02
ALB 187 01	rhyodacite	19 ka			ALB 187 01
ALB 187 02	trachyte	37 ka			ALB 187 02
V10 48 01	trachyte	37 ka			V10 48 01
V10 64 01	trachyte	37 ka			V10 64 01
RC9 176 01	trachyte	37 ka			RC9 176 01
MGF2 01					MGF2 01
MGF3 01					MGF3 01
MGF4 01					MGF4 01
MGF5 01					MGF5 01
BAN-88 14 01	benmoreite-trachyte				BAN-88 14 01
BAN-88 14 02					BAN-88 14 02 01
BAN-88 14 02					BAN-88 14 02 04
BAN-88 14 02					BAN-88 14 02 02
BAN-88 14 02					BAN-88 14 02 03
BAN-88 17 01					BAN-88 17 01
BAN-88 17 02					BAN-88 17 02 01
BAN-88 17 02					BAN-88 17 02 02
BAN-88 17 02					BAN-88 17 02 03
BAN-88 17 02					BAN-88 17 02 04
BAN-88 21 01					BAN-88 21 01
BAN-88 21 02					BAN-88 21 02 01
BAN-88 21 02					BAN-88 21 02 02
BAN-88 21 02					BAN-88 21 02 03
BAN-88 21 02					BAN-88 21 02 04
BAN-88 21 03					BAN-88 21 03
MC22 01					MC22 01
MC17 01					MC17 01 01
MC17 01					MC17 01 02
MC17 01					MC17 01 03
MC17 01					MC17 01 04
MC15 01					MC15 01
MC15 02					MC15 02
MC15 03					MC15 03 01
MC15 03					MC15 03 02
MC15 03					MC15 03 03
MC15 03					MC15 03 04
MC16 01					MC16 01
MC16 02					MC16 02 01
MC16 02					MC16 02 04
MC16 02					MC16 02 02
MC16 02					MC16 02 03
MC13 01					MC13 01
MC12 01					MC12 01
MC12 02		20 ka BP			MC12 02
MC12 03					MC12 03
MC12 04					MC12 04 01
MC12 04					MC12 04 02
MC12 04					MC12 04 03
MC12 04					MC12 04 04
MC10 01					MC10 01
MC10 02	rhyolite	20 ka BP			MC10 02
MC10 03		30 ka BP			MC10 03
MC10 04					MC10 04 01
MC10 04					MC10 04 03
MC10 04					MC10 04 01
MC10 04					MC10 04 02
MC9 01					MC9 01
MC9 02					MC9 02
MC26 01					MC26 01
MC26 02					MC26 02 04
MC26 02					MC26 02 03
MC26 02					MC26 02 01
MC26 02					MC26 02 02
MC27 01					MC27 01
MC27 02					MC27 02
MC11 01					MC11 01 04
MC11 01					MC11 01 01
MC11 01					MC11 01 02
MC11 01					MC11 01 03
MC7 01					MC7 01
MC7 02					MC7 02 04
MC7 02					MC7 02 03
MC7 02					MC7 02 01
MC7 02					MC7 02 02
MC5 01					MC5 01 01
MC5 01					MC5 01 02
MC5 01					MC5 01 03
MC5 01					MC5 01 04
MC28 01					MC28 01 01
MC28 01					MC28 01 04
MC28 01					MC28 01 03
MC28 01					MC28 01 02
MC30 01					MC30 01 01
MC30 01					MC30 01 02
MC30 01					MC30 01 03
MC30 01					MC30 01 04
MC30 02					MC30 02
MC30 03	rhyolite	160 ka BP			MC30 03
MC31 01		170			MC31 01
MC31 02		160 ka BP			MC31 02
KB26 01		160 ka BP			KB26 01
KB26 02		180 ka BP			KB26 02
MC35 01					MC35 01
42A-376-1-CC 01		260 ka			42A-376-1-CC 01
42A-378-8-2 01		2600 ka			42A-378-8-2 01
VM10-65 01		50			VM10-65 01
VM10-58 01		37			VM10-58 01
VM10-50 01		22			VM10-50 01
C69 017					C69 017
MSK-12 C4 1					
MSK-12 C4 2					
PAL94-66 01	trachyte				PAL94-66 01
PAL94-66 02	trachyte				PAL94-66 02
PAL94-66 03	trachyte				PAL94-66 03
PAL94-66 04	trachyte				PAL94-66 04
PAL94-66 05	trachyte-benmoreite			Attribuzione ridefinita in Calanchi e Dinelli, 2008	PAL94-66 05
PAL94-66 06	trachyte-benmoreite				PAL94-66 06

id tephra	Relation with other tephra code	biblio relation
RC9 189 04	X-2	
V10 67 01D	Z-1	
V14 132 01	Y-5	
V14 132 02	X-1	
V14 133 01	X-1	
V10 65 01	Y-5	
V10 65 02	V-1	
V10 65 03	V-3	
RC9 179 01	Y-5	
RC9 179 02	V-3	
RC9 182 01	Z-1	
RC9 182 02	Y-5	
RC9 182 03	V-3	
V10 68 01	Y-6	
V10 68 01D	Y-3	
V10 68 02	Y-7	
V10 68 03	Y-5	
RC9 180 01	Y-5	
ALB 194 01	Y-5	
ALB 196 01	Y-5	
ALB 192 01	Z-2	
ALB 192 02	Y-5	
ALB 190 01	Y-5	
ALB 188 01	Y-2	
ALB 188 02	Y-5	
ALB 189 01	Z-2	
ALB 189 02	Y-5	
ALB 187 01	Y-2	
ALB 187 02	Y-5	
V10 48 01	Y-5	
Y10 64 01	Y-5	
RC9 176 01	Y-5	
MGF2 01		
MGF3 01		
MGF4 01		
MGF5 01		
BAN-88 14 01	I-1	
BAN-88 14 02	C-13	
BAN-88 14 02	T1598	
BAN-88 14 02	I-3	
BAN-88 14 02	PRAD 1653	
BAN-88 17 01	I-1	
BAN-88 17 02	C-13	
BAN-88 17 02	I-3	
BAN-88 17 02	PRAD 1653	
BAN-88 17 02	T1598	
BAN-88 21 01	I-1	
BAN-88 21 02	C-13	
BAN-88 21 02	I-3	
BAN-88 21 02	PRAD 1653	
BAN-88 21 02	T1598	
BAN-88 21 03		
MC22 01		
MC17 01	C-13	
MC17 01	I-3	
MC17 01	PRAD 1653	
MC17 01	T1598	
MC15 01		
MC15 02		
MC15 03	C-13	
MC15 03	I-3	
MC15 03	PRAD 1653	
MC15 03	T1598	
MC16 01		
MC16 02	C-13	
MC16 02	T1598	
MC16 02	I-3	
MC16 02	PRAD 1653	
MC13 01		
MC12 01		
MC12 02		
MC12 03		
MC12 04	C-13	
MC12 04	I-3	
MC12 04	PRAD 1653	
MC12 04	T1598	
MC10 01		
MC10 02		
MC10 03		
MC10 04	T1598	
MC10 04	PRAD 1653	
MC10 04	C-13	
MC10 04	I-3	
MC9 01		
MC9 02		
MC26 01		
MC26 02	T1598	
MC26 02	PRAD 1653	
MC26 02	C-13	
MC26 02	I-3	
MC27 01		
MC27 02		
MC11 01	T1598	
MC11 01	C-13	
MC11 01	I-3	
MC11 01	PRAD 1653	
MC7 01		
MC7 02	T1598	
MC7 02	PRAD 1653	
MC7 02	C-13	
MC7 02	I-3	
MC5 01	C-13	
MC5 01	I-3	
MC5 01	PRAD 1653	
MC5 01	T1598	
MC28 01	C-13	
MC28 01	T1598	
MC28 01	PRAD 1653	
MC28 01	I-3	
MC30 01	C-13	
MC30 01	I-3	
MC30 01	PRAD 1653	
MC30 01	T1598	
MC30 02		
MC30 03		
MC31 01		
MC31 02		
KR26 01		
KR26 02		
MC35 01		
42A-376-I-CC 01		
42A-378-8-2 01		
VM10-65 01		
VM10-58 01		
VM10-50 01		
C69 017		
MSK-12 C4 1		
MSK-12 C4 2		
PAL94-66 01	TM5	
PAL94-66 02	C2	
PAL94-66 03	TM8	
PAL94-66 04	TM10d	
PAL94-66 05	Y-1	Keller et al., 1978
PAL94-66 06	TM13	

id sample	sample	id tephra	depth	type	tephra code	Eruption code	Eruption name	Source	Age ka BP (Ar/Ar)
REF00A525	CM92-42	CM92-42 01	200	macro	CM92-42 200	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A525	CM92-42	CM92-42 02	200	macro	CM92-42 200	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A525	CM92-42	CM92-42 03	400	macro	CM92-42 400		Codola	Somma Vesuvius	
REF00A525	CM92-42	CM92-42 04	400	macro	CM92-42 400		Codola	Somma Vesuvius	
REF00A525	CM92-42	CM92-42 05	450	macro	CM92-42 450	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A525	CM92-42	CM92-42 06	450	macro	CM92-42 450	CI	Campanian Ignimbrite	Campi Flegrei	
REF00A525	CM92-42	CM92-42 07	710	macro	CM92-42 710			Campanian-Roman?	105 ka
REF00A525	CM92-42	CM92-42 08	710	macro	CM92-42 710			Campanian-Roman?	105 ka
REF00A526	CM92-41	CM92-41 01	70	macro	CM92-41 70	AMST	Agnano Monte Spina	Campi Flegrei	
REF00A526	CM92-41	CM92-41 02	260	macro	CM92-41 260	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A526	CM92-41	CM92-41 03	260	macro	CM92-41 260	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A526	CM92-41	CM92-41 04	270	macro	CM92-41 270	LA	Lago Amendolare	Campi Flegrei	
REF00A526	CM92-41	CM92-41 05	420	macro	CM92-41 420	BMI	Biancavilla	Etna	
REF00A526	CM92-41	CM92-41 06	420	macro	CM92-41 420	BMI	Biancavilla	Etna	
REF00A527	PAL94-77	PAL94-77 01	140	macro	PAL94-77 140	AMST	Agnano Monte Spina	Campi Flegrei	
REF00A527	PAL94-77	PAL94-77 01D	ca 139	-	-	AMST	Agnano Monte Spina		
REF00A527	PAL94-77	PAL94-77 01D	ca 139	-	-	AMST	Agnano Monte Spina		
REF00A527	PAL94-77	PAL94-77 02	550	macro	PAL94-77 550	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A527	PAL94-77	PAL94-77 02D	ca. 419	-	-	APP	Agnano Pomice Principali		
REF00A527	PAL94-77	PAL94-77 02D	ca. 419	-	-	APP	Agnano Pomice Principali		
REF00A527	PAL94-77	PAL94-77 02D	ca. 419	-	-	APP	Agnano Pomice Principali		
REF00A527	PAL94-77	PAL94-77 03	550	macro	PAL94-77 550	NYT	Neapolitan Yellow Tuff	Campi Flegrei	
REF00A531	SIN-SAP 98 GC101	SIN-SAP 98 GC101 1	305-308	macro	SIN-SAP 98 GC101 305-308	Y5	Campanian Ignimbrite	Campi Flegrei	
REF00A531	SIN-SAP 98 GC101	SIN-SAP 98 GC101 2	331-334	macro	SIN-SAP 98 GC101 331-334	Y6	Green Tuff	Panellera	
REF00A531	SIN-SAP 98 GC101	SIN-SAP 98 GC101 3	334-337	macro	SIN-SAP 98 GC101 334-337			Panellera	
REF00A532	SIN-SAP 98 GCAP1.1	SIN-SAP 98 GCAP1.1 1	126-134	macro	SIN-SAP 98 GCAP1.1 126-134	Y5	Campanian Ignimbrite	Campi Flegrei	
REF00A532	SIN-SAP 98 GCAP1.1	SIN-SAP 98 GCAP1.1 2	149-151	macro	SIN-SAP 98 GCAP1.1 126-134	Y6	Green Tuff	Panellera	
REF00A532	SIN-SAP 98 GCAP1.1	SIN-SAP 98 GCAP1.1 3	13	crypto	AP1.1-13			Etna	
REF00A532	SIN-SAP 98 GCAP1.1	SIN-SAP 98 GCAP1.1 4	13	crypto	AP1.1-13	AAMS	Astroni-Agnano Monte Spina group	Campi Flegrei	
REF00A533	SIN 9701 GC	SIN 97 01 GC 114-119	114-119	macro	SIN 97 01 GC 114-119	Y5	Campanian Ignimbrite	Campi Flegrei	
REF00A534	UM 93 GC01	UM 93 GC01 1	101-106	macro	UM 93 GC01 101-106	Y5	Campanian Ignimbrite	Campi Flegrei	
REF00A535	BAN 89 09GC	BAN 89 09GC 1	89-91	macro	BAN 89 09GC 89-91	Y6	Green Tuff	Panellera	
REF00A535	BAN 89 09GC	BAN 89 09GC 2	149-161	macro	BAN 89 09GC 149-161			Hellenic arc? Aeolian?	
REF00A537	Marsili1	Marsili1 1	15-18	macro	M1			Marsili	
REF00A537	Marsili1	Marsili1 2	24-26	macro	M2			Marsili	
REF00A537	Marsili1	Marsili1 3	38-42	macro	M3			Marsili	
REF00A537	Marsili1	Marsili1 4	63-111	macro	M4			Marsili	
REF00A537	Marsili1	Marsili1 5	138-143	macro	M5	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A538	MD01-2474G	MD01-2474G 1	20-34	macro	MD3		Upper Brown Tufts	Vulcano (Aeolian Arc)	
REF00A538	MD01-2474G	MD01-2474G 10	557-559	macro	MD27	Y-6 (GT)	Green Tuff	Panellera	
REF00A538	MD01-2474G	MD01-2474G 11	700-711	macro	MD28	Y-7 (MEGT)	Monte Epomeo Green Tuff	Ischia	
REF00A538	MD01-2474G	MD01-2474G 12	764.5	macro	MD33		Monte dei Pomi	Salina	
REF00A538	MD01-2474G	MD01-2474G 13	807.5	macro	MD35		Porticello	Ischia	
REF00A538	MD01-2474G	MD01-2474G 2	173-176	macro	MD10	BMI	Biancavilla-Montalto Ignimbrite	Etna	
REF00A538	MD01-2474G	MD01-2474G 3	173-176	macro	MD10		Faro di Punta Imperatore?	Ischia	
REF00A538	MD01-2474G	MD01-2474G 4	186	macro	MD11		Tufi di Grotte dei Rossi Inferiori	Vulcano (Aeolian Arc)	
REF00A538	MD01-2474G	MD01-2474G 5	259-261	macro	MD14		Tufi Biancastri (TL0)	Campi Flegrei	
REF00A538	MD01-2474G	MD01-2474G 6	259-261	macro	MD14		-	Aeolian Arc	
REF00A538	MD01-2474G	MD01-2474G 7	341-351.8	macro	MD15		Intermediate Brown Tufts?	Vulcano (Aeolian Arc)	
REF00A538	MD01-2474G	MD01-2474G 8	449-457.3	macro	MD22		Intermediate Brown Tufts	Vulcano (Aeolian Arc)	
REF00A538	MD01-2474G	MD01-2474G 9	557-559	macro	MD27		Intermediate Brown Tufts	Vulcano (Aeolian Arc)	
REF00A539	SAOS-2R	SAOS-2R 1	265-267	macro	SAOS-2R-267		Tufi Biancastri (SMP1-e)	Campi Flegrei	
REF00A539	SAOS-2R	SAOS-2R 2	355-372	macro	SAOS-2R-372	Y-5	Campanian Ignimbrite	Campi Flegrei	
REF00A539	SAOS-2R	SAOS-2R 3	902	macro	SAOS-2R-bottom	X-6		Campanian Plain	
REF00A540	Tea C1-A	Tea C1-A 1	69-73	crypto	ct2		Pompei	Somma-Vesuvius	
REF00A540	Tea C1-A	Tea C1-A 2	134-136	crypto	ct1	AP	Interplinian activity between Avellino and Pompei	Somma-Vesuvius	
REF00A540	Tea C1-A	Tea C1-A 3	134-136	crypto	ct1	FL		Etna	
REF00A541	UM 93 GC09	UM 93 GC09 1	88.5-91.5	macro	UM 93 GC09 88.5-91.5	Y5	Campanian Ignimbrite	Campi Flegrei	
URR00A062	UM42	UM42BC 1	6,9	crypto	UM42BC-6,9	FG		Etna	

id tephra	Age ka BP (K/Ar)	età prossimale	Age in 14 C	Modelled age
CM92-42_01			13600-14700	
CM92-42_02			13600-14700	
CM92-42_03			33.5	
CM92-42_04			33.5	
CM92-42_05			37.1-39.3	
CM92-42_06			37.1-39.3	
CM92-42_07				
CM92-42_08				
CM92-41_01				
CM92-41_02			13600-14700	
CM92-41_03			13600-14700	
CM92-41_04			15100-15800	
CM92-41_05			16200-17900	
CM92-41_06			16200-17900	
PAL94-77_01				
PAL94-77_01D		4625-4297 cal years		
PAL94-77_01D		4625-4297 cal years		
PAL94-77_02			13600-14700	
PAL94-77_02D		12080±950 cal yrs (Smith et al., 2011)		
PAL94-77_02D		12080±950 cal yrs (Smith et al., 2011)		
PAL94-77_02D		12080±950 cal yrs (Smith et al., 2011)		
PAL94-77_03			13600-14700	
SIN-SAP 98 GC101_1		39 ka		
SIN-SAP 98 GC101_2				
SIN-SAP 98 GC101_3		45.7 ± 1.0 ka (Scaillet et al., 2013)		
SIN-SAP 98 GCAP1.1_1		39 ka		
SIN-SAP 98 GCAP1.1_2		45.7 ± 1.0 ka (Scaillet et al., 2013)		
SIN-SAP 98 GCAP1.1_3		4.3 cal ka (Coltelli et al., 2000)		4.2 cal ka
SIN-SAP 98 GCAP1.1_4		4.2-4.5 cal ka (Smith et al., 2011)		4.2 cal ka
SIN 97 01GC_114-119		39 ka		
UM 93 GC01_1		39 ka		
BAN 89 09GC_1		45.7 ± 1.0 ka (Scaillet et al., 2013)		
BAN 89 09GC_2				
Marsili1_1				
Marsili1_2				
Marsili1_3				
Marsili1_4				
Marsili1_5		16965-17670 cal years BP (Siani et al., 2001)		
MD01-2474G_1		8-24 ka (Luochi et al., 2008)		6.9 ka
MD01-2474G_10		45.7±1.0 ka (Scaillet et al., 2013)		42.5
MD01-2474G_11		56±4 (Kraml, 1997)		54.8
MD01-2474G_12		70-57 ka (Luochi et al., 2013)		58.9
MD01-2474G_13		57-62 ka (modelled age; Tomlinson et al., 2014)		62.0
MD01-2474G_2				15.9
MD01-2474G_3				15.9
MD01-2474G_4		21-15 ka (De Astis et al., 2013)		16.7
MD01-2474G_5		16-30 ka (in Tomlinson et al., 2012)		23.3
MD01-2474G_6				23.3
MD01-2474G_7		27-56 ka (De Astis et al., 2013)		29.7
MD01-2474G_8		27-56 ka (De Astis et al., 2013)		36.9
MD01-2474G_9		27-56 ka (De Astis et al., 2013)		42.5
SAOS-2R_1		29.390-30.720 ka (Di Vito et al., 2008)		
SAOS-2R_2		39.85±0.14 (Giaccio et al., 2017)		
SAOS-2R_3				
Tea C1-A_1				
Tea C1-A_2		2.8-3.6 cal ka (Santacroce et al., 2008)		
Tea C1-A_3		3.4 cal ka (Coltelli et al., 2000)		
UM 93 GC09_1		39 ka		
UM42BC_1		122 BC (Coltelli et al., 2000)		2.1 cal ka

id tephra	Composition	interpolated age	Età STORICA	tephra note	id correlation
CM92-42_01	trachyte				CM92-42_01
CM92-42_02	trachyte				CM92-42_02
CM92-42_03	trachyte				CM92-42_03
CM92-42_04	trachyte				CM92-42_04
CM92-42_05	trachyte				CM92-42_05
CM92-42_06	trachyte				CM92-42_06
CM92-42_07	trachyte				CM92-42_07
CM92-42_08	trachyte				CM92-42_08
CM92-41_01	trachyte				CM92-41_01
CM92-41_02	trachyte				CM92-41_02
CM92-41_03	trachyte				CM92-41_03
CM92-41_04	trachyte				CM92-41_04
CM92-41_05	trachyte-benmoreite				CM92-41_05
CM92-41_06	trachyte-benmoreite				CM92-41_06
PAL94-77_01	trachyte				PAL94-77_01
PAL94-77_01D					PAL94-77_01D_01
PAL94-77_01D					PAL94-77_01D_02
PAL94-77_02	trachyte				PAL94-77_02
PAL94-77_02D					PAL94-77_02D_01
PAL94-77_02D					PAL94-77_02D_03
PAL94-77_02D					PAL94-77_02D_02
PAL94-77_03	trachyte				PAL94-77_03
SIN-SAP 98 GC101_1	trachyte				SIN-SAP 98 GC101_1
SIN-SAP 98 GC101_2	rhyolite				SIN-SAP 98 GC101_2
SIN-SAP 98 GC101_3	rhyolite				
SIN-SAP 98 GCAP1.1_1	trachyte				SIN-SAP 98 GCAP1.1_1
SIN-SAP 98 GCAP1.1_2	rhyolite				SIN-SAP 98 GCAP1.1_2
SIN-SAP 98 GCAP1.1_3	Benmoreite			unpublished	
SIN-SAP 98 GCAP1.1_4	Trachyphonolite			unpublished	
SIN 97 01GC_114-119	trachyte				SIN 97 01GC_114-119
UM 93 GC01_1	trachyte				UM 93 GC01_1
BAN 89 09GC_1	rhyolite				BAN 89 09GC_1
BAN 89 09GC_2	andesite				
Marsili1_1	Trachyte				Marsili1_1
Marsili1_2	Basaltic Andesite-Basaltic Trachyandesite				Marsili1_2
Marsili1_3	Basaltic Andesite-Basaltic Trachyandesite				
Marsili1_4	Basaltic Andesite-Basaltic Trachyandesite-Trachyandesite				
Marsili1_5	Mugearite-Benmoreite-Trachyte				Marsili1_5
MD01-2474G_1	Lattite				MD01-2474G_1
MD01-2474G_10	Panellente				MD01-2474G_10
MD01-2474G_11	Trachyte				MD01-2474G_11
MD01-2474G_12	HK-CA Andesite to Dacite				
MD01-2474G_13	Trachyte				
MD01-2474G_2	Benmoreite				
MD01-2474G_3	Trachyte				
MD01-2474G_4	Lattite and Trachydasite				
MD01-2474G_5	Trachyte				
MD01-2474G_6	Shoshonite, Lattite and HK-CA Andesite				
MD01-2474G_7	Shoshonite and HK-CA basaltic andesite				
MD01-2474G_8	HK-CA Basaltic Andesite to Rhyolite				
MD01-2474G_9	Shoshonite and HK-CA Andesite				
SAOS-2R_1	Trachyte				
SAOS-2R_2	Trachyphonolite				SAOS-2R_2
SAOS-2R_3	Trachyphonolite				SAOS-2R_3
Tea C1-A_1	Phonolite		79 AD		
Tea C1-A_2					
Tea C1-A_3					
UM 93 GC09_1	trachyte				UM 93 GC09_1
UM42BC_1	Benmoreite-Mugearite			unpublished	

id tephra	Relation with other tephra code	biblio relation
CM92-42_01	C2	
CM92-42_02	TM8	
CM92-42_03	TM16b	
CM92-42_04	C10	
CM92-42_05	Y-5	Keller et al. (1978)
CM92-42_06	TM18	
CM92-42_07	X5	Keller et al. (1978)
CM92-42_08	TM24	
CM92-41_01	TM5	
CM92-41_02	C2	
CM92-41_03	TM8	
CM92-41_04	TM10d	
CM92-41_05	Y-1	Keller et al. (1978)
CM92-41_06	TM13	
PAL94-77_01	TM5	
PAL94-77_01D	s4	
PAL94-77_01D	T153	
PAL94-77_02	C2	
PAL94-77_02D	MD 90-917 305-310	
PAL94-77_02D	C-1	
PAL94-77_02D	PRAD 203	
PAL94-77_03	TM8	
SIN-SAP 98 GC101_1	Y-5	
SIN-SAP 98 GC101_2	Y-6	
SIN-SAP 98 GC101_3		
SIN-SAP 98 GCAP1.1_1	Y-5	
SIN-SAP 98 GCAP1.1_2	Y-6	
SIN-SAP 98 GCAP1.1_3		
SIN-SAP 98 GCAP1.1_4		
SIN 97 01GC 114-119	Y-5	
UM 93 GC01_1	Y-5	
BAN 89 09GC 1	Y-6	
BAN 89 09GC 2		
Marsih1_1	TEPH1	
Marsih1_2	TEPH2	
Marsih1_3		
Marsih1_4		
Marsih1_5	Y-1	
MD01-2474G_1	35-11	
MD01-2474G_10	Y-6	
MD01-2474G_11	Y-7	
MD01-2474G_12		
MD01-2474G_13		
MD01-2474G_2		
MD01-2474G_3		
MD01-2474G_4		
MD01-2474G_5		
MD01-2474G_6		
MD01-2474G_7		
MD01-2474G_8		
MD01-2474G_9		
SAOS-2R_1		
SAOS-2R_2	Y-5	
SAOS-2R_3	X-6	
Tea C1-A_1		
Tea C1-A_2		
Tea C1-A_3		
UM 93 GC09_1	Y-5	
UM42BC_1		