Label	Region	Sub-region	Location	Sample type	Fraction measured	Grain-size	Time interval	[Nd] ppm	143Nd/144Nd	eNd(0)	Longitude	Latitude	Water depth	Reference	Source
Bod 43.5	Africa	Chad	PSA5	soil sediment	bulk	NA	P	51.91	0.512	-13.1	18.55	16.1	NA	Abouchami et al. (2013)	Literature search
Bod 43.5_duplicate	Africa	Chad	PSA5	soil sediment	bulk	NA	P	NA	0.512	-12.7	18.55	16.1	NA	Abouchami et al. (2013)	Literature search
Bod 44	Africa	Chad	PSA5	soil sediment	bulk	NA	P	43.55	0.5121	-10.2	18.84	16.17	NA	Abouchami et al. (2013)	Literature search
Bod 44B	Africa	Chad	PSA5	soil sediment	bulk	NA	P	36.73	0.5121	-10.1	18.84	16.17	NA	Abouchami et al. (2013)	Literature search
Bod 44C	Africa	Chad	PSA5	soil sediment	bulk	NA	P	59.34	0.512	-13	18.71	16.29	NA	Abouchami et al. (2013)	Literature search
Bod 44D_duplicate	Africa	Chad	PSA5	soil sediment	bulk	NA	P	NA	0.512	-12.9	18.71	16.29	NA	Abouchami et al. (2013)	Literature search
Bod 51	Africa	Chad	PSA5	soil sediment	bulk	NA	P	46.65	0.512	-12.2	19.07	17.43	NA	Abouchami et al. (2013)	Literature search
Bod 51_duplicate	Africa	Chad	PSA5	soil sediment	bulk	NA	P	NA	0.512	-12	19.07	17.43	NA	Abouchami et al. (2013)	Literature search
Bod 54A	Africa	Chad	PSA5	soil sediment	bulk	NA	P	61.42	0.512	-13.1	18.61	16.2	NA	Abouchami et al. (2013)	Literature search
Bod 54A_duplicate	Africa	Chad	PSA5	soil sediment	bulk	NA	P	NA	0.512	-12.7	18.61	16.2	NA	Abouchami et al. (2013)	Literature search
Bod 54B	Africa	Chad	PSA5	soil sediment	bulk	NA	P	35.84	0.512	-12.8	18.61	16.2	NA	Abouchami et al. (2013)	Literature search
Bod 54B_duplicate	Africa	Chad	PSA5	soil sediment	bulk	NA	P	NA	0.512	-12.9	18.61	16.2	NA	Abouchami et al. (2013)	Literature search
Vizcaino peninsula, mex	America	Mexico	NA	rocks	bulk	NA	P	15	NA	7.6	-113.6	27	NA	Aguillon-Robles et al. (2001)	Jeandel
TQ89-11a	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5128	3.24	6.97	24.24	NA	Ait-Hammou et al. (2000), Keppie et al. (2011)	Literature search
TQ89-19a	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5128	3.65	6.97	24.24	NA	Ait-Hammou et al. (2000), Keppie et al. (2011)	Literature search

TQ90-18a	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5128	2.11	6.97	24.24	NA	Ait-Hammou et al. (2000), Keppie et al. (2011)	Literature search
TQ90-28a	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5128	3.75	6.97	24.24	NA	Ait-Hammou et al. (2000), Keppie et al. (2011)	Literature search
TQ90-8a	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5127	0.76	6.97	24.24	NA	Ait-Hammou et al. (2000), Keppie et al. (2011)	Literature search
TQ90-9a	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5126	-0.21	6.97	24.24	NA	Ait-Hammou et al. (2000), Keppie et al. (2011)	Literature search
Middle Andaman Island	Indian Ocean	N Indian	NA	rocks	bulk	NA	P	NA	NA	-5.1	92.92	12.91	NA	Ali et al. (2015)	Literature search
Middle Andaman Island	Indian Ocean	N Indian	NA	rocks	bulk	NA	P	NA	NA	-5.2	92.92	12.91	NA	Ali et al. (2015)	Literature search
Neil Island	Indian Ocean	N Indian	NA	rocks	bulk	NA	P	NA	NA	-7.6	93.03	11.84	NA	Ali et al. (2015)	Literature search
Anahef 112	Africa	Algeria	Ahaggar	rocks	bulk	NA	P	NA	0.5129	4.53	6.99	24.18	NA	Allegre et al. (1981)	Literature search
Anahef 126	Africa	Algeria	Ahaggar	rocks	bulk	NA	P	NA	0.513	6.87	6.99	24.18	NA	Allegre et al. (1981)	Literature search
Atakor 89	Africa	Algeria	Ahaggar	rocks	bulk	NA	P	NA	0.5129	4.72	5.72	23.31	NA	Allegre et al. (1981)	Literature search
Tahalra 23	Africa	Algeria	Ahaggar	rocks	bulk	NA	P	NA	0.513	6.28	4.9	22.66	NA	Allegre et al. (1981)	Literature search
Tahalra 74	Africa	Algeria	Ahaggar	rocks	bulk	NA	P	NA	0.5129	4.6	4.9	22.66	NA	Allegre et al. (1981)	Literature search
Alima	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5119	-14.57	-1.55	16.44	NA	Allegre et al. (1996)	Literature search
Congo 42	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5118	-16.68	-0.84	17.44	NA	Allegre et al. (1996)	Literature search
Congo 64	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5118	-15.35	-4.49	15.09	NA	Allegre et al. (1996)	Literature search
Kasai	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5118	-15.92	-3.06	16.49	NA	Allegre et al. (1996)	Literature search

Likouala	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5117	-18.22	-1.1	16.78	NA	Allegre et al. (1996)	Literature search
Lobaye	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.512	-12.91	3.89	18.58	NA	Allegre et al. (1996)	Literature search
Oubangui 1	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5118	-16.09	4.72	19	NA	Allegre et al. (1996)	Literature search
Oubangui 34	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5117	-17.71	0.18	17.96	NA	Allegre et al. (1996)	Literature search
Sangha	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5119	-14.73	-0.94	17.07	NA	Allegre et al. (1996)	Literature search
Zaire	Africa	Republic of Congo	Congo River Basin	river sediment	bulk	NA	P	NA	0.5117	-17.19	-0.26	18.01	NA	Allegre et al. (1996)	Literature search
Eastern Indo Burman Ranges	Asia	India	NA	rocks	bulk	NA	P	NA	NA	-4	94.21	19.33	NA	Allen et al. (2008); Ali et al. (2015)	Literature search
Carribean Plateau	Atlantic Ocean	W Atlantic	Carribean	rocks	bulk	NA	P	10	NA	4.1	-80	13	NA	Arndt & Weis (2002)	Jeandel
Ontong Java Plateau	Pacific Ocean	SW Pacific	Solomon Islands	rocks	bulk	NA	P	10	NA	1.8	160	-10	NA	Arndt & Weis (2002)	Jeandel
W Yemen	Africa	Arabia	Yemen	rocks	bulk	NA	P	37	NA	4.1	43	15	NA	Baker et al. (1996)	Jeandel
W2	Africa	Libya	Wau-an Namus	rocks	bulk	paleogene basalts	P	58.66	0.5129	5.6	17.75	24.93	NA	Bardintzeff et al. (2012)	Literature search
W3	Africa	Libya	Wau-an Namus	rocks	bulk	paleogene basalts	P	36.83	0.5129	5.54	17.5	25.1	NA	Bardintzeff et al. (2012)	Literature search
W5	Africa	Libya	Al Haruj	rocks	bulk	paleogene basalts	P	19.75	0.5129	5.09	17.24	25.22	NA	Bardintzeff et al. (2012)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	marine sediment	detrital residue	NA	H	32.6	0.5118	-16.07	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	marine sediment	detrital residue	NA	H	41.6	0.5118	-16.05	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	marine sediment	detrital residue	NA	H	40	0.5118	-16.33	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	marine sediment	detrital residue	NA	H	34.5	0.5118	-16.31	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	marine sediment	detrital residue	NA	LGM	28.4	0.5118	-16.13	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	marine sediment	detrital residue	NA	LGM	25	0.5118	-15.66	11	-5.5	914	Bayon et al. (2009)	Literature search

KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	leachates	HH on decarb. sediment	NA	H	NA	0.5118	-16.05	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	leachates	HH on decarb. sediment	NA	H	NA	0.5118	-15.35	11	-5.5	914	Bayon et al. (2009)	Literature search
KZAI-01	Atlantic Ocean	SE Atlantic	Congo Fan	leachates	HH on decarb. sediment	NA	H	NA	0.5118	-16.09	11	-5.5	914	Bayon et al. (2009)	Literature search
N1-KSF-01	Atlantic Ocean	E Atlantic	Gulf of Guinea	marine sediment	detrital residue	NA	P	NA	NA	-11.79	6.85	2.93	NA	Bayon et al. (2011)	Literature search
N1-KSF-42	Atlantic Ocean	E Atlantic	Gulf of Guinea	marine sediment	detrital residue	NA	P	NA	NA	-11.7	6.85	2.93	NA	Bayon et al. (2011)	Literature search
Ogooue	Africa	Equatorial Guinea	Ogooue River	river sediment	bulk	NA	P	NA	NA	-24	8.93	-0.99	NA	Bayon et al. (2011)	Literature search
Adour	Europe	France	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-11.6	-1.47	43.49	NA	Bayon et al. (2015)	Literature search
Adour	Europe	France	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-11	-1.47	43.49	NA	Bayon et al. (2015)	Literature search
Adour	Europe	France	NA	river sediment	NA	< 2 μm	P	NA	NA	-11	-1.47	43.49		Bayon et al. (2015)	Literature search
Amu Darya	Asia	Uzbekistan	NA	river sediment	bulk	2-63 μm	P	NA	0.5122	-9	60.12	42.22	NA	Bayon et al. (2015)	Literature search
Amu Darya	Asia	Uzbekistan	NA	river sediment	bulk	< 2 μm	P	NA	0.5122	-8.8	60.12	42.22	NA	Bayon et al. (2015)	Literature search
Blackwater	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-12.6	-6.58	54.51	NA	Bayon et al. (2015)	Literature search
Blackwater	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.512	-11.6	-6.58	54.51	NA	Bayon et al. (2015)	Literature search
Chao Phraya	Asia	Thailand	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5121	-9.8	100.58	13.57	NA	Bayon et al. (2015)	Literature search
Chao Phraya	Asia	Thailand	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5122	-8.4	100.58	13.57	NA	Bayon et al. (2015)	Literature search
Chubut	America	Argentina	NA	river sediment	bulk	2-63 μm	P	NA	0.5126	-1.6	-65.2	-43.25	NA	Bayon et al. (2015)	Literature search
Chubut	America	Argentina	NA	river sediment	bulk	< 2 μm	P	NA	0.5126	-0.4	-65.2	-43.25	NA	Bayon et al. (2015)	Literature search
Congo	Africa	DRC	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5118	-15.8	11.23	-5.7	NA	Bayon et al. (2015)	Literature search
Congo	Africa	DRC	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5118	-15.5	11.23	-5.7	NA	Bayon et al. (2015)	Literature search

Danube	Europe	Romania	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5122	-8.5	29.62	45.06	NA	Bayon et al. (2015)	Literature search
Don	Asia	Russia	NA	river sediment	bulk	2-63 μm	P	NA	0.5121	-11	39.1	47.29	NA	Bayon et al. (2015)	Literature search
Don	Asia	Russia	NA	river sediment	bulk	< 2 μm	P	NA	0.5122	-9.3	39.1	47.29	NA	Bayon et al. (2015)	Literature search
Elorn	Europe	France	NA	river sediment	bulk	2-63 μm	P	NA	0.5121	-11.2	-4.38	48.4	NA	Bayon et al. (2015)	Literature search
Elorn	Europe	France	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-10.9	-4.38	48.4	NA	Bayon et al. (2015)	Literature search
Fly	Australia	PNG	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5124	-4.9	144	-8.67	NA	Bayon et al. (2015)	Literature search
Fly	Australia	PNG	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5124	-3.8	144	-8.67	NA	Bayon et al. (2015)	Literature search
Foyle	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.5118	-16	-7.45	54.76	NA	Bayon et al. (2015)	Literature search
Foyle	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.5119	-15.2	-7.45	54.76	NA	Bayon et al. (2015)	Literature search
Fraser	America	Canada	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5122	-8.5	-123.37	49.16	NA	Bayon et al. (2015)	Literature search
Fraser	America	Canada	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5124	-4.2	-123.37	49.16	NA	Bayon et al. (2015)	Literature search
Glenariff	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.5128	3.7	-6.11	55.02	NA	Bayon et al. (2015)	Literature search
Glenariff	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.5128	3.7	-6.11	55.02	NA	Bayon et al. (2015)	Literature search
Guadiana	Europe	Portugal	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-9.5	-7.42	37.21	NA	Bayon et al. (2015)	Literature search
Kamchatka	Asia	Russia	NA	river sediment	bulk	< 2 μm	P	NA	0.513	7.2	162.5	56.2	NA	Bayon et al. (2015)	Literature search
Kiiminkijoki	Europe	Finland	NA	river sediment	bulk	2-63 μm	P	NA	0.5115	-23.1	25.73	65.13	NA	Bayon et al. (2015)	Literature search
Kiiminkijoki	Europe	Finland	NA	river sediment	bulk	< 2 μm	P	NA	0.5115	-22.9	25.73	65.13	NA	Bayon et al. (2015)	Literature search
Kymijoki	Europe	Finland	NA	river sediment	bulk	2-63 μm	P	NA	0.5117	-19.2	26.91	60.46	NA	Bayon et al. (2015)	Literature search
Kymijoki	Europe	Finland	NA	river sediment	bulk	< 2 μm	P	NA	0.5116	-19.8	26.91	60.46	NA	Bayon et al. (2015)	Literature search
Loire	Europe	France	NA	river sediment	NA	2-63 μm	P	NA	NA	-8.3	-1.9	47.28		Bayon et al. (2015)	Literature search
Loire	Europe	France	NA	river sediment	NA	< 2 μm	P	NA	NA	-7.9	-1.9	47.28		Bayon et al. (2015)	Literature search

Lower Bann	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.5122	-8.9	-6.48	54.86	NA	Bayon et al. (2015)	Literature search
Lower Bann	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.5122	-8.9	-6.48	54.86	NA	Bayon et al. (2015)	Literature search
Lule	Europe	Norway	NA	river sediment	bulk	2-63 μm	P	NA	0.5117	-18	21.82	65.68	NA	Bayon et al. (2015)	Literature search
Lule	Europe	Norway	NA	river sediment	bulk	< 2 μm	P	NA	0.5116	-20.4	21.82	65.68	NA	Bayon et al. (2015)	Literature search
MacKenzie	America	Canada	NA	marine sediment	NA	2-63 μm	P	NA	NA	-13	-137.29	69.26		Bayon et al. (2015)	Literature search
MacKenzie	America	Canada	NA	marine sediment	NA	< 2 μm	P	NA	NA	-12.2	-137.29	69.26		Bayon et al. (2015)	Literature search
Mae Klong	Asia	Thailand	NA	river sediment	bulk	2-63 μm	P	NA	0.5119	-14.3	99.95	13.43	NA	Bayon et al. (2015)	Literature search
Mae Klong	Asia	Thailand	NA	river sediment	bulk	< 2 μm	P	NA	0.5119	-13.7	99.95	13.43	NA	Bayon et al. (2015)	Literature search
Maine	Europe	Ireland	NA	river sediment	NA	2-63 μm	P	NA	NA	0.1	-6.32	54.75		Bayon et al. (2015)	Literature search
Maine	Europe	Ireland	NA	river sediment	NA	< 2 μm	P	NA	NA	0.6	-6.32	54.75		Bayon et al. (2015)	Literature search
Mayenne	Europe	France	NA	river sediment	bulk	2-63 μm	P	NA	0.5121	-9.6	-0.55	47.5	NA	Bayon et al. (2015)	Literature search
Mayenne	Europe	France	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-9.5	-0.55	47.5	NA	Bayon et al. (2015)	Literature search
Mekong	Asia	Cambodia	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5121	-10.5	105.06	10.96	NA	Bayon et al. (2015)	Literature search
Mekong	Asia	Cambodia	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5122	-8.6	105.06	10.96	NA	Bayon et al. (2015)	Literature search
Mississippi	America	USA	NA	marine sediment	NA	2-63 μm	P	NA	NA	-12.3	-89.49	28.93		Bayon et al. (2015)	Literature search
Mississippi	America	USA	NA	marine sediment	NA	< 2 μm	P	NA	NA	-10.8	-89.49	28.93		Bayon et al. (2015)	Literature search
Moyola	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.5118	-16.2	-6.52	54.75	NA	Bayon et al. (2015)	Literature search
Moyola	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.5118	-16.1	-6.52	54.75	NA	Bayon et al. (2015)	Literature search
Murray	Australia	Australia	NA	river sediment	bulk	2-63 μm	P	NA	0.5123	-6.9	139.23	-35.41	NA	Bayon et al. (2015)	Literature search
Murray	Australia	Australia	NA	river sediment	bulk	< 2 μm	P	NA	0.5123	-5.9	139.23	-35.41	NA	Bayon et al. (2015)	Literature search
Niger	Africa	Nigeria	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.512	-11.9	6.68	3.2	NA	Bayon et al. (2015)	Literature search

Nile	Africa	Egypt	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5121	-9.6	30.38	32.51	NA	Bayon et al. (2015)	Literature search
Nile	Africa	Egypt	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5123	-7.1	30.38	32.51	NA	Bayon et al. (2015)	Literature search
Northern Dvina	Asia	Russia	NA	river sediment	bulk	2-63 μm	P	NA	0.5118	-17.1	39	65.09	NA	Bayon et al. (2015)	Literature search
Northern Dvina	Asia	Russia	NA	river sediment	bulk	< 2 μm	P	NA	0.5117	-17.7	39	65.09	NA	Bayon et al. (2015)	Literature search
Orinoco	America	Venezuela	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-13.2	-66.18	7.65	NA	Bayon et al. (2015)	Literature search
Orinoco	America	Venezuela	NA	river sediment	bulk	< 2 μm	P	NA	0.5119	-13.8	-66.18	7.65	NA	Bayon et al. (2015)	Literature search
Red River	Asia	Vietnam	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.512	-12.8	106.52	20.26	NA	Bayon et al. (2015)	Literature search
Red River	Asia	Vietnam	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.512	-12.2	106.52	20.26	NA	Bayon et al. (2015)	Literature search
Rhine	Europe	Netherlands	NA	river sediment	bulk	2-63 μm	P	NA	0.5122	-9.1	4.48	51.91	NA	Bayon et al. (2015)	Literature search
Rhine	Europe	Netherlands	NA	river sediment	bulk	< 2 μm	P	NA	0.5122	-9.3	4.48	51.91	NA	Bayon et al. (2015)	Literature search
Rio Aro	America	Venezuela	NA	river sediment	bulk	2-63 μm	P	NA	0.5112	-28.5	-64.01	7.39	NA	Bayon et al. (2015)	Literature search
Rio Aro	America	Venezuela	NA	river sediment	bulk	< 2 μm	P	NA	0.5113	-25.2	-64.01	7.39	NA	Bayon et al. (2015)	Literature search
Rio Caroni	America	Venezuela	NA	river sediment	bulk	2-63 μm	P	NA	0.5116	-21.1	-62.71	8.33	NA	Bayon et al. (2015)	Literature search
Rio Caroni	America	Venezuela	NA	river sediment	bulk	< 2 μm	P	NA	0.5116	-20.9	-62.71	8.33	NA	Bayon et al. (2015)	Literature search
Rio Caura	America	Venezuela	NA	river sediment	bulk	2-63 μm	P	NA	0.5116	-21	-64.94	7.58	NA	Bayon et al. (2015)	Literature search
Rio Caura	America	Venezuela	NA	river sediment	bulk	< 2 μm	P	NA	0.5116	-21.1	-64.94	7.58	NA	Bayon et al. (2015)	Literature search
Seine	Europe	France	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-11.5	0.42	49.47	NA	Bayon et al. (2015)	Literature search
Seine	Europe	France	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-11.3	0.42	49.47	NA	Bayon et al. (2015)	Literature search
Shannon	Europe	Eire	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-11.5	-8.91	52.69	NA	Bayon et al. (2015)	Literature search
Shannon	Europe	Eire	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-11.2	-8.91	52.69	NA	Bayon et al. (2015)	Literature search
Six Mile	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.5125	-2.8	-6.15	54.7	NA	Bayon et al. (2015)	Literature search

Six Mile	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.5125	-3.2	-6.15	54.7	NA	Bayon et al. (2015)	Literature search
Swilly	Europe	Ireland	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-13.3	-7.81	54.93	NA	Bayon et al. (2015)	Literature search
Swilly	Europe	Ireland	NA	river sediment	bulk	< 2 μm	P	NA	0.5119	-13.9	-7.81	54.93	NA	Bayon et al. (2015)	Literature search
Tana	Europe	Norway	NA	river sediment	NA	2-63 μm	P	NA	NA	-21.7	28.19	70.2		Bayon et al. (2015)	Literature search
Tana	Europe	Norway	NA	river sediment	NA	< 2 μm	P	NA	NA	-23	28.19	70.2		Bayon et al. (2015)	Literature search
Ume	Europe	Sweden	NA	river sediment	bulk	2-63 μm	P	NA	0.5117	-17.6	20.27	63.72	NA	Bayon et al. (2015)	Literature search
Ume	Europe	Sweden	NA	river sediment	bulk	< 2 μm	P	NA	0.5117	-18.7	20.27	63.72	NA	Bayon et al. (2015)	Literature search
Var	Europe	France	NA	river sediment	bulk	2-63 μm	P	NA	0.5121	-10.4	7.2	43.67	NA	Bayon et al. (2015)	Literature search
Var	Europe	France	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-10.7	7.2	43.67	NA	Bayon et al. (2015)	Literature search
Vistula	Europe	Poland	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5119	-14.5	19.28	54.65	NA	Bayon et al. (2015)	Literature search
Vistula	Europe	Poland	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.5119	-14.5	19.28	54.65	NA	Bayon et al. (2015)	Literature search
Volga	Asia	Russia	NA	river sediment	bulk	2-63 μm	P	NA	0.512	-11.8	47.92	45.71	NA	Bayon et al. (2015)	Literature search
Volga	Asia	Russia	NA	river sediment	bulk	< 2 μm	P	NA	0.5122	-9.5	47.92	45.71	NA	Bayon et al. (2015)	Literature search
Waikato	Australia	New Zealand	NA	river sediment	bulk	2-63 μm	P	NA	0.5127	0.5	176.29	-38.49	NA	Bayon et al. (2015)	Literature search
Waikato	Australia	New Zealand	NA	river sediment	bulk	< 2 μm	P	NA	0.5127	0.4	176.29	-38.49	NA	Bayon et al. (2015)	Literature search
Yangtze	Asia	China	NA	river sediment	bulk	2-63 μm	P	NA	0.5121	-11.4	121.01	31.62	NA	Bayon et al. (2015)	Literature search
Yangtze	Asia	China	NA	river sediment	bulk	< 2 μm	P	NA	0.5121	-10.5	121.01	31.62	NA	Bayon et al. (2015)	Literature search
Yellow River	Asia	China	NA	marine sediment	detrital residue	2-63 μm	P	NA	0.5121	-10.9	118.91	37.8	NA	Bayon et al. (2015)	Literature search
Yellow River	Asia	China	NA	marine sediment	detrital residue	< 2 μm	P	NA	0.512	-11.9	118.91	37.8	NA	Bayon et al. (2015)	Literature search
A2	Africa	Libya	Gharyan	rocks	bulk	paleogene (alkaline) basalts	P	NA	0.513	6.87	13.42	32	NA	Beccaluva et al. (2008)	Literature search

E1	Africa	Libya	Gharyan	rocks	bulk	paleogene basalts (hawaaite)	P	NA	0.513	6.09	13.42	32	NA	Beccaluva et al. (2008)	Literature search
East Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	NA	NA	P	7.8	NA	4	-28	70.5	NA	Bernstein et al. (1998); Hansen and Nielsen (1999)	Jeandel
Eastern Eritrea	Africa	Arabia	Red Sea	rocks	bulk	NA	P	21.53	NA	-4.2	41	17.5	NA	Beyth et al. (1997)	Jeandel
Coyote Trail 1	America	Alaska	Fairbanks	soil sediment	bulk	NA	P	NA	0.5117	-18.7	-147.83	64.83	NA	Biscaye et al. (1997)	External contribution
Coyote Trail 2	America	Alaska	Fairbanks	soil sediment	bulk	NA	P	NA	0.5118	-17.3	-147.83	64.83	NA	Biscaye et al. (1997)	External contribution
Illinois Pankake Hollow	America	Illinois	NA	soil sediment	bulk	NA	P	NA	0.5119	-14.9	-90	40	NA	Biscaye et al. (1997)	External contribution
Lantian	Asia	China	NA	soil sediment	bulk	NA	P	NA	0.5122	-9.3	109.32	34.1	NA	Biscaye et al. (1997)	External contribution
Luochan	Asia	China	NA	soil sediment	bulk	NA	P	NA	0.5121	-10.3	109.47	35.92	NA	Biscaye et al. (1997)	External contribution
Minkhen Teg	Asia	China	Gobi Desert	soil sediment	bulk	NA	P	NA	0.5122	-8.7	114.32	44.5	NA	Biscaye et al. (1997)	External contribution
Moose Mt 1	America	Alaska	Fairbanks	soil sediment	bulk	NA	P	NA	0.5118	-17.2	-147.83	64.83	NA	Biscaye et al. (1997)	External contribution
Moose Mt 2	America	Alaska	Fairbanks	soil sediment	bulk	NA	P	NA	0.5116	-21.2	-147.83	64.83	NA	Biscaye et al. (1997)	External contribution
Naran Bulak	Asia	China	Gobi Desert	soil sediment	bulk	NA	P	NA	0.5123	-5.8	114.32	44.5	NA	Biscaye et al. (1997)	External contribution
Pullman	America	Washington	NA	soil sediment	bulk	NA	P	NA	0.5118	-15.7	-117.15	46.77	NA	Biscaye et al. (1997)	External contribution
Scarborough Bluff	America	Canada	Toronto	soil sediment	bulk	NA	P	NA	0.512	-13.3	-79.42	43.7	NA	Biscaye et al. (1997)	External contribution
Ukhaa Tolgod	Asia	China	Gobi Desert	soil sediment	bulk	NA	P	NA	0.5123	-5.9	114.32	44.5	NA	Biscaye et al. (1997)	External contribution
Yulin Hotel	Asia	China	NA	soil sediment	bulk	NA	P	NA	0.5121	-11.3	109.48	38.27	NA	Biscaye et al. (1997)	External contribution
VH19	Antarctica	E Antarctica	Vestfold Hills, Prydz Bay (general avg values)	rocks	NA	NA	P	NA	0.5107	-38.68	78.25	-68.55	NA	Black et al. (1991)	Cook-Williams

VH26	Antarctica	E Antarctica	Vestfold Hills, Prydz Bay (general avg values)	rocks	NA	NA	P	NA	0.5111	-29.85	78.25	-68.55	NA	Black et al. (1991)	Cook-Williams
VH27	Antarctica	E Antarctica	Vestfold Hills, Prydz Bay (general avg values)	rocks	NA	NA	P	NA	0.5112	-27.39	78.25	-68.55	NA	Black et al. (1991)	Cook-Williams
P362-2/33	Mediterranean Sea	Levantine Basin	Nile Delta	marine sediment	detrital residue	NA	P	NA	0.5124	-5.69	29.75	31.68	NA	Blanchet et al. (2014)	Blanchet
85 DCT M2	Antarctica	Miller Range	Krieling Mesa	rocks	bulk	NA	P	45.99	0.511	-15.81	158.08583	-83.18556	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
86 BMR M24	Antarctica	Miller Range	Aurora Heights	rocks	bulk	NA	P	31.74	0.5104	-28.15	157.13556	-83.12556	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
86 BMR M28	Antarctica	Miller Range	Camp Ridge	rocks	bulk	NA	P	38.72	0.5105	-26.03	156.01139	-83.14944	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
86 BMR M36A	Antarctica	Miller Range	Gerard Bluffs	rocks	bulk	NA	P	13.37	0.5113	-10.55	157.2775	-83.61028	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
86 BMR M37	Antarctica	Miller Range	Orr Peak	rocks	bulk	NA	P	70.16	0.5103	-30.81	157.80806	-83.49139	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
86 BMR M39	Antarctica	Miller Range	Camp Ridge	rocks	bulk	NA	P	25.74	0.5101	-33.33	156.03361	-83.14722	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
89 BBG 101A	Antarctica	Byrd Glacier	Darnell Nunatak	rocks	bulk	NA	P	47.27	0.511	-15.43	155.90917	-80.45389	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search

89 BBG 101B	Antarctica	Byrd Glacier	Darnell Nunatak	rocks	bulk	NA	P	44.43	0.5111	-14.11	155.90917	-80.45389	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
89 BBG 113	Antarctica	Byrd Glacier	Brown Hills	rocks	bulk	NA	P	47.47	0.5112	-12.78	159.72222	-79.78056	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
89 DBG 4	Antarctica	Byrd Glacier	Bastion Hill	rocks	bulk	NA	P	27.16	0.5112	-11.8	158.27194	-79.84444	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
89 DDU 4	Antarctica	Adelie Coast	Dumont D'Urville	rocks	bulk	NA	P	41.76	0.5106	-23.23	139.76667	-66.7	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
A82-182	Antarctica	Dry Valleys	Dry Valleys area	rocks	bulk	NA	P	23.56	0.5115	-6.55	162	-77.5	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
A83-82	Antarctica	Dry Valleys	Dry Valleys area	rocks	bulk	NA	P	17	0.5115	-7.09	162	-77.5	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
A84-239	Antarctica	Dry Valleys	Dry Valleys area	rocks	bulk	NA	P	34.1	0.5113	-10.82	162	-77.5	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
A84-256	Antarctica	Dry Valleys	Dry Valleys area	rocks	bulk	NA	P	18.67	0.5113	-9.96	162	-77.5	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
AL 1965	Antarctica	Surgeon Island	NA	rocks	bulk	NA	P	NA	0.511	-15.61	166.983	-70.667	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
AL 1968	Antarctica	Surgeon Island	NA	rocks	bulk	NA	P	NA	0.511	-16.61	166.983	-70.667	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search

AL 1975	Antarctica	Cooper Spur	NA	rocks	bulk	NA	P	NA	0.5112	-11.55	165.05	-70.633	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 1	Antarctica	Horlick Mts.	NW Ford Nun.	rocks	bulk	NA	P	50.44	0.5116	-4.83	-131.73333	-85.54167	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 14A	Antarctica	Horlick Mts.	Spear Nunatak	rocks	bulk	NA	P	10.81	0.5123	9.53	-124.09333	-86.53333	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 16	Antarctica	Horlick Mts.	Savage Nunatak	rocks	bulk	NA	P	6.61	0.5117	-3.28	-124.89667	-86.45333	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 3	Antarctica	Horlick Mts.	Feeley Peak	rocks	bulk	NA	P	30.67	0.5114	-7.8	-126.6	-85.45	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 33	Antarctica	Horlick Mts.	S of Gratton Nun.	rocks	bulk	NA	P	28.54	0.5115	-5.69	-127.41833	-86.17167	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 4B	Antarctica	Horlick Mts.	Treves Butte	rocks	bulk	NA	P	39.1	0.5114	-8.77	-114.36667	-84.7	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 5	Antarctica	Horlick Mts.	Darling Ridge	rocks	bulk	NA	P	17.25	0.5115	-6.55	-115.93333	-84.75	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 9A	Antarctica	Horlick Mts.	McCrilliss Nunatak	rocks	bulk	NA	P	34.17	0.5114	-8.64	-128.93333	-85.44167	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
HM 9B	Antarctica	Horlick Mts.	McCrilliss Nunatak	rocks	bulk	NA	P	47.67	0.5114	-8.71	-128.93333	-85.44167	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search

NP 86-005	Antarctica	Shackleton Coast	nr Mt. Dick	rocks	bulk	NA	P	NA	0.5118	0.21	158.66667	-80.83333	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
WM1	Antarctica	Whitemore Mountains	NA	rocks	bulk	NA	P	34.38	0.5116	-4.12	103.86	-82.43	NA	Borg and dePaolo (1994)	Cook-Williams/Literature search
ANG10	Antarctica	E Antarctica	Yule Bay	rocks	bulk	NA	P	NA	0.5114	-7.89	166.66666	-70.7333	NA	Borg et al. (1987)	Cook-Williams
ANG25	Antarctica	E Antarctica	Daniels range	rocks	bulk	NA	P	NA	0.5112	-13.36	160	-71.5	NA	Borg et al. (1987)	Cook-Williams
W Norway	Europe	Norway	NA	rocks	NA	NA	P	16.75	NA	-14	5.25	60.5		Boundy et al. (1997)	Jeandel
N-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	bulk	<63 μm	P	7.06	NA	-13	-28	78	NA	Bruekner et al. (1998)	Jeandel
N-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	bulk	< 2 μm	P	7.06	NA	-13	-28	78	NA	Bruekner et al. (1998)	Jeandel
AKS-03_1	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.512	-11.7	94.35	39.69	NA	Chen et al. (2007)	External contribution
AKS-03_2	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5121	-10.7	94.35	39.69	NA	Chen et al. (2007)	External contribution
BDJL-01_1	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5121	-10.9	100.74	39.6	NA	Chen et al. (2007)	External contribution
BDJL-01_2	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5122	-8.3	100.74	39.6	NA	Chen et al. (2007)	External contribution
BJ-04	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5121	-9.8	102.47	39.77	NA	Chen et al. (2007)	External contribution
BJ-05	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5123	-7.4	102.25	41.95	NA	Chen et al. (2007)	External contribution
BJ-06	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5121	-10.2	101.58	42.02	NA	Chen et al. (2007)	External contribution
BJ-07	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5122	-8.3	100.97	41.23	NA	Chen et al. (2007)	External contribution

BJ-08	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5121	-9.9	101.5	41.08	NA	Chen et al. (2007)	External contribution
BJ-09	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5122	-8.4	100.63	40.93	NA	Chen et al. (2007)	External contribution
BT-15	Asia	China	Onqin Daga Sandy Land (A)	soil sediment	bulk	Sand (<75 μm)	P	NA	0.5123	-6.3	111.95	43.69	NA	Chen et al. (2007)	External contribution
BT-28_1	Asia	China	Onqin Daga Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5123	-5.9	115.9	42.75	NA	Chen et al. (2007)	External contribution
BT-28_2	Asia	China	Onqin Daga Sandy Land (A)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5123	-6.7	115.9	42.75	NA	Chen et al. (2007)	External contribution
BT-31	Asia	China	Onqin Daga Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5124	-4.4	116.1	43.42	NA	Chen et al. (2007)	External contribution
BT-46	Asia	China	Horqin Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5124	-5.6	121.45	43.3	NA	Chen et al. (2007)	External contribution
BT-48_1	Asia	China	Horqin Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5123	-6.8	121.18	43.27	NA	Chen et al. (2007)	External contribution
BT-48_2	Asia	China	Horqin Sandy Land (A)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5123	-6.7	121.18	43.27	NA	Chen et al. (2007)	External contribution
BT-50	Asia	China	Horqin Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5124	-5.3	120.81	43.05	NA	Chen et al. (2007)	External contribution
BT-56	Asia	China	Onqin Daga Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5123	-7	116.83	42.15	NA	Chen et al. (2007)	External contribution
BT-74	Asia	China	Hunlun Buir Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5126	-0.8	119.27	49.27	NA	Chen et al. (2007)	External contribution
BT-77_1	Asia	China	Hunlun Buir Sandy Land (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5124	-4	119.73	49.27	NA	Chen et al. (2007)	External contribution
BT-77_2	Asia	China	Hunlun Buir Sandy Land (A)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5124	-4.6	119.73	49.27	NA	Chen et al. (2007)	External contribution

CD-1	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.5	95.34	36.98	NA	Chen et al. (2007)	External contribution
CD-2	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10	94.45	37.12	NA	Chen et al. (2007)	External contribution
CD-4	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10	94.03	37.48	NA	Chen et al. (2007)	External contribution
CD-5	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.2	93.75	37.99	NA	Chen et al. (2007)	External contribution
DLHD-03	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5121	-10.2	97.69	36.8	NA	Chen et al. (2007)	External contribution
G-10	Asia	China	Gurbantunggut Desert (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5126	-1.2	87.46	45.06	NA	Chen et al. (2007)	External contribution
G-13_1	Asia	China	Gurbantunggut Desert (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5126	-1.6	88.28	45.51	NA	Chen et al. (2007)	External contribution
G-13_2	Asia	China	Gurbantunggut Desert (A)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5124	-4	88.28	45.51	NA	Chen et al. (2007)	External contribution
G-16	Asia	China	Gurbantunggut Desert (A)	soil sediment	bulk	Sand (<75)	P	NA	0.5125	-3.3	89.11	45.6	NA	Chen et al. (2007)	External contribution
HX (1.5 m)	Asia	China	Loess, Loess Plateau	soil sediment	bulk	NA	P	NA	0.5121	-9.7	107.32	36.62	NA	Chen et al. (2007)	External contribution
LC (1.0 m)	Asia	China	Loess, Loess Plateau	soil sediment	bulk	L1LL1 loess	P	NA	0.5121	-10	109.6	35.85	NA	Chen et al. (2007)	External contribution
MQ-01	Asia	China	Tengger Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-11.7	103.11	38.64	NA	Chen et al. (2007)	External contribution
NMH-02	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5122	-9.1	96.42	36.38	NA	Chen et al. (2007)	External contribution
Surf-06	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5119	-14	109.53	38.22	NA	Chen et al. (2007)	External contribution
Surf-07	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5118	-16.4	109.68	38.72	NA	Chen et al. (2007)	External contribution
Surf-08	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5118	-17.2	109.78	39.13	NA	Chen et al. (2007)	External contribution
Surf-11	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5119	-13.4	108.55	38.77	NA	Chen et al. (2007)	External contribution
Surf-12	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5119	-15	108.08	39.05	NA	Chen et al. (2007)	External contribution

Surf-14	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-12.1	108.58	39.65	NA	Chen et al. (2007)	External contribution
Surf-15	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5118	-16.3	109.05	39.92	NA	Chen et al. (2007)	External contribution
Surf-21	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-12.1	111.35	40.18	NA	Chen et al. (2007)	External contribution
Surf-24_1	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5118	-15.5	110.35	40.33	NA	Chen et al. (2007)	External contribution
Surf-24_2	Asia	China	Mu Us Desert (C)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5117	-17.7	110.35	40.33	NA	Chen et al. (2007)	External contribution
Surf-26	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5119	-14.3	109.7	40.47	NA	Chen et al. (2007)	External contribution
Surf-29_1	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-13.4	109.35	40.08	NA	Chen et al. (2007)	External contribution
Surf-29_2	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.512	-12	109.35	40.08	NA	Chen et al. (2007)	External contribution
Surf-33	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-11.8	108.62	40.42	NA	Chen et al. (2007)	External contribution
Surf-34_1	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-13.1	108.65	41.45	NA	Chen et al. (2007)	External contribution
Surf-34_2	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.512	-11.5	108.65	41.45	NA	Chen et al. (2007)	External contribution
Surf-39	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-12	107.02	40.24	NA	Chen et al. (2007)	External contribution
Surf-40_1	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<75)	P	NA	0.5119	-14.2	106.77	40.05	NA	Chen et al. (2007)	External contribution
Surf-40_2	Asia	China	Hobq Desert (C)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5119	-14.9	106.77	40.05	NA	Chen et al. (2007)	External contribution
Surf-43	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5122	-9.4	105.5	39.53	NA	Chen et al. (2007)	External contribution
Surf-49	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5122	-9.2	103.23	39.73	NA	Chen et al. (2007)	External contribution
Surf-51	Asia	China	Badain Jaran Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-9.6	102.55	39.4	NA	Chen et al. (2007)	External contribution
TGL-10N	Asia	China	Tengger Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.6	105.5	37.45	NA	Chen et al. (2007)	External contribution
TGL-13N	Asia	China	Tengger Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.512	-11.7	104.97	37.68	NA	Chen et al. (2007)	External contribution

TGL-16N_1	Asia	China	Tengger Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.4	104.35	37.93	NA	Chen et al. (2007)	External contribution
TK-02_1	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.9	84.25	40.43	NA	Chen et al. (2007)	External contribution
TK-02_2	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5121	-10.3	84.25	40.43	NA	Chen et al. (2007)	External contribution
TK-03	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.9	84.29	40.02	NA	Chen et al. (2007)	External contribution
TK-06	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5122	-9.5	83.5	38.85	NA	Chen et al. (2007)	External contribution
TK-08	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.4	83.06	38.04	NA	Chen et al. (2007)	External contribution
TK-11	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-9.9	81.84	36.41	NA	Chen et al. (2007)	External contribution
TK-12	Asia	China	Taklimakan Desert (B)	soil sediment	bulk	Sand (<75)	P	NA	0.5121	-10.8	81.96	36.42	NA	Chen et al. (2007)	External contribution
XF (2.5 m)	Asia	China	Loess, Loess Plateau	soil sediment	bulk	L1LL1 loess	P	NA	0.5122	-9.2	107.6	35.78	NA	Chen et al. (2007)	External contribution
ZZH-02	Asia	China	Qaidam Desert (B)	soil sediment	bulk	Sand (<5 μm)	P	NA	0.5122	-9.4	93.79	36.68	NA	Chen et al. (2007)	External contribution
ID-18247	Indian Ocean	N Indian	Indus shelf	marine sediment	bulk	NA	P	0	NA	-11.2	37	25	NA	Clift et al. (2002)	Jeandel
MD77-169	Indian Ocean	NE Indian	Andaman Sea	marine sediment	decarb. sediment	NA	P	24	0.5121	-10	95.05	10.2	NA	Colin et al. (1999)	Jeandel
MD77-171	Indian Ocean	NE Indian	Andaman Sea	marine sediment	decarb. sediment	NA	P	21.5	0.5122	-9.2	94.15	11.75	NA	Colin et al. (1999)	Jeandel
MD77-176	Indian Ocean	NE Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	24.2	0.5122	-9.3	93.12	14.5	NA	Colin et al. (1999)	Jeandel
MD77-186	Indian Ocean	NE Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	23.6	0.5121	-10.9	92	11.45	NA	Colin et al. (1999)	Jeandel
RC12-339	Indian Ocean	NE Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	23.6	0.5121	-11.5	90.03	9.13	NA	Colin et al. (1999)	Jeandel
RC12-344	Indian Ocean	NE Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	29.1	0.5121	-11.3	96.07	12.77	NA	Colin et al. (1999)	Jeandel
VM29-18	Indian Ocean	N Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	27.5	0.5119	-15.1	85.4	16.63	NA	Colin et al. (1999)	Jeandel
VM29-19	Indian Ocean	N Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	21	0.5119	-13.9	82.58	14.7	NA	Colin et al. (1999)	Jeandel
VM29-20	Indian Ocean	N Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	25.6	0.5118	-16.1	81.7	11.53	NA	Colin et al. (1999)	Jeandel

VM29-21	Indian Ocean	N Indian	Bay of Bengual	marine sediment	decarb. sediment	NA	P	25.1	0.5118	-16.2	81.75	9.65	NA	Colin et al. (1999)	Jeandel
NA	Asia	India	Irrawaddy river	rocks	bulk	NA	P	NA	NA	-10.7	95.47	17.89	NA	Colin et al. (1999); Ali et al. (2015)	Literature search
U1358	Southern Ocean	E Antarctica	Adelaide Land	marine sediment	detrital residue	< 63 μm	H	NA	0.5116	-19.6	143.32	-66.11	NA	Cook et al. (2013)	Cook-Williams
U1359	Southern Ocean	E Antarctica	Adelaide Land	marine sediment	detrital residue	< 63 μm	H	NA	0.5121	-11.2	143.93	-64.79	NA	Cook et al. (2013)	Cook-Williams
U1360	Southern Ocean	E Antarctica	Adelaide Land	marine sediment	detrital residue	< 63 μm	H	NA	0.5118	-16.2	142.77	-66.34	NA	Cook et al. (2013)	Cook-Williams
U1361	Southern Ocean	E Antarctica	Adelaide Land	marine sediment	detrital residue	< 63 μm	H	NA	0.512	-11.5	143.89	-64.41	NA	Cook et al. (2013)	Cook-Williams
ELT47 10 PC 13-15	Antarctica	E Antarctica	Prydz Bay	marine sediment	detrital residue	< 63 μm	H	NA	0.5115	-21.7	83.99	-63.95	3636	Cook, Martin et al. unpub.	Author contribution
ELT47 5 PC 13-15	Antarctica	E Antarctica	Prydz Bay	marine sediment	detrital residue	< 63 μm	H	NA	0.5114	-23.5	80.42	-65.54	2948	Cook, Martin et al. unpub.	Author contribution
ELT50 17 PC 17-19	Antarctica	E Antarctica	Wilkes Land	marine sediment	detrital residue	< 63 μm	H	NA	0.512	-13.1	120.05	-63	4138	Cook, Martin et al. unpub.	Author contribution
ELT50 17 PC 17-19 REP	Antarctica	E Antarctica	Wilkes Land	marine sediment	detrital residue	< 63 μm	H	NA	0.5119	-13.5	120.05	-63	4138	Cook, Martin et al. unpub.	Author contribution
ELT50 18 PC 15-17	Antarctica	E Antarctica	Wilkes Land	marine sediment	detrital residue	< 63 μm	H	NA	0.512	-12.6	119.97	-64.43	3146	Cook, Martin et al. unpub.	Author contribution
ELT50 18 PC 15-17 REP	Antarctica	E Antarctica	Wilkes Land	marine sediment	detrital residue	< 63 μm	H	NA	0.512	-12.7	119.97	-64.43	3146	Cook, Martin et al. unpub.	Author contribution
IO1277 25 PC 10-12	Antarctica	E Antarctica	Drowning Maud Land	marine sediment	detrital residue	< 63 μm	H	NA	0.512	-11.6	10.96	-68.08	2015	Cook, Martin et al. unpub.	Author contribution
IODP U1358 1R 1W 18-22	Antarctica	E Antarctica	Adelie Land	marine sediment	detrital residue	< 63 μm	H	NA	0.5117	-19.2	143.31	-66.09	499	Cook, Martin et al. unpub.	Author contribution
IODP U1360 1R 1W 0-8	Antarctica	E Antarctica	Adelie Land	marine sediment	detrital residue	< 63 μm	H	NA	0.5118	-16.8	142.75	-66.3	525	Cook, Martin et al. unpub.	Author contribution
ODP 1167 1H 1W 21-23	Antarctica	E Antarctica	Prydz Bay	marine sediment	detrital residue	< 63 μm	H	NA	0.5115	-22.3	72.25	-66.4	1640	Cook, Martin et al. unpub.	Author contribution
ODP 743 1H 1W 20-22	Antarctica	E Antarctica	Prydz Bay	marine sediment	detrital residue	< 63 μm	H	NA	0.5117	-17.8	74.69	-66.92	999	Cook, Martin et al. unpub.	Author contribution

NE Pacific Ocean	Pacific Ocean	NE Pacific	NA	rocks	bulk	NA	P	12.8	NA	9.6	-134	53	NA	Cousens et al. (1999)	Jeandel
M5-422	Indian Ocean	N Indian	Gulf of Oman	marine sediment	detrital residue	NA	P	NA	NA	-6.4	59.05	24.39	NA	Cullen et al. (2012)	External contribution
North British Isles	Europe	England	British Isles	rocks	NA	NA	P	40	NA	-10.6	-2.05	60.33		Davies et al. (1985); Revel et al. (1996)	Literature search
South British Isles	Europe	England	British Isles	rocks	NA	NA	P	37	NA	-13.5	-3.72	58.97		Davies et al. (1985); Revel et al. (1996)	Literature search
3551	Antarctica	E Antarctica	EPICA-Dome C	rocks	bulk	NA	P	NA	0.5118	-16	106	-78	NA	Delmonte et al. (2004)	Cook-Williams
3607	Antarctica	E Antarctica	EPICA-Dome C	rocks	bulk	NA	P	NA	0.5119	-15	106	-78	NA	Delmonte et al. (2004)	Cook-Williams
NA	Asia	India	Ganges-Brahamaputra	rocks	bulk	NA	P	NA	NA	-15	88.87	24.98	NA	Dia et al. (1992); Ali et al. (2015)	Literature search
Norway	Europe	Norway	NA	rocks	bulk	NA	P	10	NA	-14	6.8	65	NA	Ehrenberg et al. (1998)	Jeandel
NA	Indian Ocean	E Indian Ocean	Indonesia	soil sediment	bulk	NA	P	20	NA	-12.4	127	-8	NA	Elburg et al. (2002)	Jeandel
Indonesia	Asia	Indonesia	NA	rocks	bulk	NA	P	30.8	NA	-1.9	124.2	-8.3	NA	Elburg et al. (2002)	Jeandel
W Australia	Australia	W Australia	NA	river sediment	bulk	NA	P	19.67	NA	-15.1	119	-20	NA	Elburg et al. (2002)	Jeandel
HU74026-557PC	Southern Ocean	W Antarctica	Baffin Bay	marine sediment	NA	NA	P	10.7	NA	-25.8	-60	66.5		Farmer et al. (2003)	Jeandel
HU77027-002PC	Atlantic Ocean	N Atlantic	Northern Baffin Bay	marine sediment	decarb. sediment	< 63 μm	H	15.8	0.5115	-21.7	-69.76	74.51	1646	Farmer et al. (2003)	Hemming
HU77027-002TWC	Atlantic Ocean	N Atlantic	Northern Baffin Bay	marine sediment	decarb. sediment	< 63 μm	H	10.7	0.5115	-23.1	-72.12	69	1646	Farmer et al. (2003)	Jeandel
HU90023-101	Atlantic Ocean	N Atlantic	West Basin, Hudson Strait	marine sediment	decarb. sediment	< 63 μm	H	16.9	0.5112	-28.9	-74.3	63.05	389	Farmer et al. (2003)	Hemming
HU90023-101	Atlantic Ocean	N Atlantic	West Basin, Hudson Strait	marine sediment	decarb. sediment	< 63 μm	H	13.2	0.5112	-28.1	-74.3	63.05	389	Farmer et al. (2003)	Hemming
HU90023-101	Atlantic Ocean	N Atlantic	West Basin, Hudson Strait	marine sediment	decarb. sediment	< 63 μm	H	0	0.5112	-28.2	-74.3	63.05	389	Farmer et al. (2003)	Hemming

JM 96-1207	Atlantic Ocean	N Atlantic	East Greenland shelf	marine sediment	decarb. sediment	NA	H	NA	0.5124	-3.8	-29.35	68.1	404	Farmer et al. (2003)	Hemming
JM 98 624	Atlantic Ocean	N Atlantic	Norwegian Sea	marine sediment	decarb. sediment	< 63 μm	LGM	40	0.5119	-15.1	7.7	66.72	487	Farmer et al. (2003)	Jeandel
JM 98 625	Atlantic Ocean	N Atlantic	Norwegian Sea	marine sediment	decarb. sediment	< 63 μm	LGM	39	0.5119	-14.8	7.7	66.72	487	Farmer et al. (2003)	Hemming
GRL-10593	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	20.9	0.5121	-11.3	179.05	-77.45	732	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10595	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	21.4	0.512	-12.5	179.05	-77.45	732	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10661	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	33.7	0.5122	-8.02	-175.42	-76.61	585	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10666	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	33.8	0.5122	-8.08	-175.42	-76.61	585	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10897	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	21	0.5121	-10.1	-179.09	-76.45	568	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10900	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	18.4	0.5121	-9.54	-179.09	-76.45	659	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10967	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	25.8	0.5122	-7.72	-178.59	-75.63	449	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-10972	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	24.9	0.5123	-7.12	-178.59	-75.63	449	Farmer et al. (2006)	Cook-Williams/Literature search

GRL-13124	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	22.4	0.5122	-9.36	-177.88	-76.79	568	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-13129	Antarctica	W Antarctica	Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	23.6	0.5121	-9.62	-177.88	-76.79	568	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-13531	Antarctica	W Antarctica	Eastern Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	36.2	0.5123	-7.53	-178	-77.92	694	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-13537	Antarctica	W Antarctica	Eastern Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	36.7	0.5123	-7.45	-178	-77.92	694	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-13545	Antarctica	W Antarctica	Eastern Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	36.4	0.5123	-7.2	-178	-77.92	694	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-19248	Antarctica	W Antarctica	Whillans Ice Stream (B)	rocks	bulk	< 63 μm	P	29.2	0.5122	-8.04	-138.12	-83.29	NA	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-19252	Antarctica	W Antarctica	Whillans Ice Stream (B)	rocks	bulk	< 63 μm	P	30.9	0.5122	-8.82	-138.12	-83.29	NA	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-19258	Antarctica	E Antarctica	Ross Ice Shelf	marine sediment	decarb. sediment	< 63 μm	LGM	18	0.5122	-8.23	-168.38	-82.22	587	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-19258	Antarctica	E Antarctica	Ross Ice Shelf	marine sediment	decarb. sediment	< 63 μm	LGM	18	0.5122	-8.23	-168.38	-82.22	587	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-19264	Antarctica	E Antarctica	Ross Ice Shelf	marine sediment	decarb. sediment	< 63 μm	LGM	19.2	0.5122	-8.25	-168.39	-82.22	587	Farmer et al. (2006)	Cook-Williams/Literature search

GRL-19273	Antarctica	E Antarctica	Achernar	rocks	bulk	< 63 μm	P	33	0.5119	-14.3	160.9	-84.2	NA	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-19274	Antarctica	E Antarctica	Allan Hills	rocks	bulk	< 63 μm	P	33.2	0.512	-11.9	159.5	-76.7	NA	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-7322	Antarctica	E Antarctica	Western Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	31.5	0.5124	-3.76	165.02	-76.55	732	Farmer et al. (2006)	Cook-Williams/Literature search
GRL-7323	Antarctica	E Antarctica	Western Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	25	0.5123	-6.94	165.02	-76.55	732	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-117	Antarctica	E Antarctica	Beardmore Glacier, Äö√ Ñ√Æmouth	rocks	bulk	< 63 μm	P	58.7	0.5121	-9.6	158.1	-85.8	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-118	Antarctica	E Antarctica	Beardmore Glacier, Äö√ Ñ√Æupper	rocks	bulk	< 63 μm	P	34.9	0.5123	-6.38	163.1	-85.1	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-121	Antarctica	E Antarctica	Beardmore Glacier, Äö√ Ñ√Æmiddle	rocks	bulk	< 63 μm	P	30.1	0.5123	-5.64	169.7	-84.3	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-122	Antarctica	W Antarctica	Kamb Ice Stream (C)	rocks	bulk	< 63 μm	P	46.6	0.5122	-7.63	-136.24	-82.26	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-123	Antarctica	W Antarctica	Kamb Ice Stream (C)	rocks	bulk	< 63 μm	P	41.8	0.5123	-6.98	-136.24	-82.26	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-124	Antarctica	W Antarctica	Bindschadler Ice Stream (D)	rocks	bulk	< 63 μm	P	38.7	0.5121	-9.93	-140.03	-81.44	NA	Farmer et al. (2006)	Cook-Williams/Literature search

SAL-142	Antarctica	W Antarctica	Eastern Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	33.9	0.5123	-6.59	-169.18	-77.33	582	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-177	Antarctica	W Antarctica	Eastern Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	32.4	0.5123	-5.77	-169.39	-77.25	603	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-187	Antarctica	E Antarctica	Darwin Glacier Area	rocks	bulk	< 63 μm	P	25.8	0.512	-13.4	160	-84.8	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-189	Antarctica	E Antarctica	Darwin Glacier Area	rocks	bulk	< 63 μm	P	28.8	0.5119	-14.9	160	-80	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-190	Antarctica	E Antarctica	Darwin Glacier Area	rocks	bulk	< 63 μm	P	23.1	0.512	-12.6	158.5	-79.8	NA	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-371	Antarctica	E Antarctica	Western Ross Sea	marine sediment	decarb. sediment	< 63 μm	LGM	26	0.5124	-4.64	167.89	-77.19	939	Farmer et al. (2006)	Cook-Williams/Literature search
SAL-995	Antarctica	E Antarctica	Pyramid Fuel Cache	rocks	bulk	< 63 μm	P	39.1	0.5127	1.54	160	-80.5	NA	Farmer et al. (2006)	Cook-Williams/Literature search
La Reunion	Indian Ocean	W Indian Ocean	La Reunion	rocks	bulk	< 63 μm	P	24.4	NA	4	55.5	-21	NA	Fisk et al. (1988)	Jeandel
Orange River Mud	Atlantic Ocean	SE Atlantic	NA	marine sediment	detrital residue	< 63 μm	P	29.5	0.5121	-11.2	16.46	-28.62	NA	Franzese et al. (2006)	Literature search
RC11-86	Atlantic Ocean	SE Atlantic	NA	marine sediment	detrital residue	< 63 μm	P	21.9	0.5121	-11.19	18.45	-35.78	2829	Franzese et al. (2006)	Literature search
RC13-227	Atlantic Ocean	SE Atlantic	NA	marine sediment	detrital residue	< 63 μm	P	19.1	0.512	-13.04	8.87	-21.88	4301	Franzese et al. (2006)	Literature search
RC13-229	Atlantic Ocean	SE Atlantic	NA	marine sediment	detrital residue	< 63 μm	P	16.2	0.5121	-11.55	11.3	-25.5	4191	Franzese et al. (2006)	Literature search
VM14-77	Indian Ocean	SW Indian	NA	marine sediment	detrital residue	< 63 μm	P	21.6	0.5119	-15.25	32.87	-29.63	NA	Franzese et al. (2006)	Literature search
VM19-214	Indian Ocean	SW Indian	NA	marine sediment	detrital residue	< 63 μm	P	33.3	0.5118	-15.52	38.85	-23.37	NA	Franzese et al. (2006)	Literature search

SW Australia	Australia	NA	NA	rocks	bulk	NA	P	14.4	NA	1.7	115.63	-33.32	NA	Frey et al. (1996)	Jeandel
SW Australia (id)	Australia	NA	NA	rocks	bulk	NA	P	10.8	NA	-4.6	115.4	-34.42	NA	Frey et al. (1996)	Jeandel
BC07	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	NA	P	14.7	NA	-9.2	32.67	33.67	893	Freydier et al. (2001)	Literature search/Tachikawa
Po	Europe	Italy	Po River	river sediment	bulk	NA	P	26.85	0.5121	-10.8	12	45	NA	Frost et al. (1986)	Jeandel
RC9-179	Mediterranean Sea	Levantine Basin	SE of Crete	marine sediment	decarb. sediment	bulk	P	27.56	0.5122	-8.4	26.13	34.81	NA	Frost et al. (1986)	Scheuvens
RC9-194	Mediterranean Sea	Thyrrenian Basin	NA	marine sediment	decarb. sediment	bulk	P	32.44	0.5122	-7.6	11.32	40.68	NA	Frost et al. (1986)	Scheuvens
RC9-197	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	marine sediment	decarb. sediment	bulk	P	26.91	0.5121	-10.1	5.95	42.03	NA	Frost et al. (1986)	Scheuvens
Rhone	Europe	France	Rhone River	river sediment	bulk	NA	P	25.77	0.5121	-9.7	5	43	NA	Frost et al. (1986)	Jeandel
Seyhan	Africa	Syria	NA	river sediment	bulk	NA	P	10.01	0.5123	-6.2	36	37	NA	Frost et al. (1986)	Jeandel
SH74/1060	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	21.29	0.5125	-2	34.56	36.56	NA	Frost et al. (1986)	Scheuvens
SH74/1088	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	17.77	0.5124	-5.8	34.56	36.56	NA	Frost et al. (1986)	Scheuvens
Tarsus	Africa	Syria	NA	river sediment	bulk	NA	P	10.81	0.5123	-6.3	36.2	37	NA	Frost et al. (1986)	Jeandel
Almafuerte	America	Argentina	Patagonia	soil sediment	bulk	NA	P	NA	0.5124	-5.29	-64.17	-32.08	NA	Gaiero (2007)	Literature search
Falda del Carmen	America	Argentina	Patagonia	soil sediment	bulk	NA	P	NA	0.5123	-5.81	-64.37	-31.57	NA	Gaiero (2007)	Literature search
NA	America	Argentina	Patagonia	soil sediment	bulk	NA	P	NA	0.5127	0.27	-64.07	-38.98	NA	Gaiero (2007)	Literature search
Santa Rosa	America	Argentina	Patagonia	soil sediment	bulk	NA	P	NA	0.5126	-1.54	-64.28	-36.62	NA	Gaiero (2007)	Literature search
Sourrounding C,àö,â•rdoba City	America	Argentina	Patagonia	soil sediment	bulk	NA	P	NA	0.5123	-5.95	-64.27	-31.47	NA	Gaiero (2007)	Literature search
Vic. Mackena	America	Argentina	Patagonia	soil sediment	bulk	NA	P	NA	0.5124	-4.41	-64.38	-33.92	NA	Gaiero (2007)	Literature search

Bosque Petrificado Ignimbrite	America	Chile	Patagonia	rocks	bulk	Volcanic materials	P	NA	0.5124	-4.2	-67.84	-47.27	NA	Gaiero et al. (2007)	Literature search
Colorado R. (Rio Colorado)	America	Argentina	Patagonia	soil sediment	bulk	Bed sediment < 63 μm size fraction	P	NA	0.5125	-2.3	-64.07	-38.98	NA	Gaiero et al. (2007)	Literature search
El Calafate	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μm size fraction (TS)	P	NA	0.5126	-0.5	-71.18	-50.33	NA	Gaiero et al. (2007)	Literature search
Fitz Roy (RN 3)	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μm size fraction (TS)	P	NA	0.5126	-0.3	-67.25	-47	NA	Gaiero et al. (2007)	Literature search
NA	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μmsize fraction (TS)	P	NA	0.5126	-0.3	-71.18	-50.33	NA	Gaiero et al. (2007)	Literature search
Garrayalde (RN 3)	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μmsize fraction (TS)	P	NA	0.5127	0.6	-66.67	-44.07	NA	Gaiero et al. (2007)	Literature search
Hudson volcanic tephra	America	Chile	Patagonia	rocks	bulk	Volcanic materials	P	NA	0.5128	2.8	-67.91	-49.41	NA	Gaiero et al. (2007)	Literature search
Negro R. (Gral. Conesa)	America	Argentina	Patagonia	soil sediment	bulk	Bed sediment < 63 μm size fraction	P	NA	0.5126	-1.2	-63.78	-40.45	NA	Gaiero et al. (2007)	Literature search
NA	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μm size fraction (TS)	P	NA	0.5127	0.2	-64.03	-42.5	NA	Gaiero et al. (2007)	Literature search
Rio Colorado	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μm size fraction (TS)	P	NA	0.5126	-0.8	-62.53	-39.58	NA	Gaiero et al. (2007)	Literature search
San Antonio Oeste	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μm size fraction (TS)	P	NA	0.5127	0.3	-64.93	-40.73	NA	Gaiero et al. (2007)	Literature search

NA	America	Argentina	Patagonia	soil sediment	bulk	Top soils < 63 μm size fraction (TS)	P	NA	0.5127	0.5	-67.75	-49.33	NA	Gaiero et al. (2007)	Literature search
Santa Cruz R. (Cte. Piedrabuena)	America	Argentina	Patagonia	soil sediment	bulk	Bed sediment< 63 μm size fraction	P	NA	0.5125	-2.6	-69.02	-50.05	NA	Gaiero et al. (2007)	Literature search
Manam volcano	Australia	Papua New Guinea	NA	rocks	bulk	NA	P	18.03	NA	7.1	145.05	-4.08	NA	Gill et al. (1993)	Jeandel
Amazon (Brazil)	America	Brazil	NA	river sediment	bulk	NA	P	35.3	0.5122	-9.2	-50	0	NA	Goldstein et al. (1984)	Jeandel
Colombia (U.S.A)	America	USA	NA	river sediment	bulk	NA	P	30.26	0.5123	-6.6	-124	46.3	NA	Goldstein et al. (1984)	Jeandel
Congo (Congo)	Africa	Congo	NA	river sediment	bulk	NA	P	34.65	0.5118	-16.1	12	-6	NA	Goldstein et al. (1984)	Jeandel
Ganges (India)	Asia	India	Ganges River	river sediment	bulk	NA	P	35.83	0.5118	-15.7	90	21	NA	Goldstein et al. (1984)	Jeandel
Hudson (U.S.A)	America	USA	NA	river sediment	bulk	NA	P	45.57	0.5121	-11.3	-76	40.3	NA	Goldstein et al. (1984)	Jeandel
Indus (Pakistan)	Asia	Pakistan	NA	river sediment	bulk	NA	P	33.75	0.512	-12.2	67	24	NA	Goldstein et al. (1984)	Jeandel
Mackenzie (Canada)	America	Canada	NA	river sediment	bulk	NA	P	16.09	0.5119	-14.3	-135	70	NA	Goldstein et al. (1984)	Jeandel
Magdalena (Colombia)	America	USA	NA	river sediment	bulk	NA	P	27.49	0.5122	-8.3	-75	11.2	NA	Goldstein et al. (1984)	Jeandel
Mekong (Cambodgia)	Asia	Cambodia	NA	river sediment	bulk	NA	P	40.62	0.5122	-9.5	107	9	NA	Goldstein et al. (1984)	Jeandel
Mississippi (U.S.A)	America	USA	NA	river sediment	bulk	NA	P	32.62	0.5121	-10.9	-89	30	NA	Goldstein et al. (1984)	Jeandel
Niger (Nigeria)	Africa	Nigeria	Niger River	river sediment	bulk	< 60 μm	P	NA	0.5121	-10.5	5.78	4.65	NA	Goldstein et al. (1984)	Scheuvens
Nile (Egypt)	Africa	Egypt	Nile River	river sediment	bulk	< 60 μm	P	34.49	0.5125	-3.3	31.79	31.35	NA	Goldstein et al. (1984)	Scheuvens
Parana (Argentina)	America	Argentina	NA	river sediment	bulk	NA	P	37.1	0.5121	-10.3	-59	-34.5	NA	Goldstein et al. (1984)	Jeandel
San Francisco Bay (U.S.A)	America	USA	NA	river sediment	bulk	NA	P	21.3	0.5125	-3.6	-123	37.5	NA	Goldstein et al. (1984)	Jeandel

Sao Francisco (Brazil)	America	Brazil	NA	river sediment	bulk	NA	P	30.95	0.512	-12.9	-36	-11	NA	Goldstein et al. (1984)	Jeandel
St Lawrence (Canada)	America	Canada	NA	river sediment	bulk	NA	P	52.45	0.5124	-5.3	-68	49	NA	Goldstein et al. (1984)	Jeandel
Yangtze (China)	Asia	China	NA	river sediment	bulk	NA	P	31.7	0.5121	-10.7	123	31	NA	Goldstein et al. (1984)	Jeandel
Murray	Australia	NA	Murray River	river sediment	bulk	NA	P	15.2	NA	-6	139.17	-35.1	NA	Goldstein et al. (1987)	Jeandel
Wingham	Australia	NA	Whingham River	river sediment	bulk	NA	P	16	NA	-1.3	152.2	-31.5	NA	Goldstein et al. (1987)	Jeandel
AGF	Africa	Mali	NA	soil sediment	bulk	bulk + PM20	P	46.6	0.5118	-17.2	0.63	15.17	NA	Gross et al. (2016)	Literature search
BODI	Africa	Chad	PSA5	soil sediment	bulk	PM20	P	32.7	0.512	-11.9	17.78	16.68	NA	Gross et al. (2016)	Literature search
BODU	Africa	Chad	PSA5	soil sediment	bulk	bulk	P	25.9	0.512	-12.6	18.87	16.87	NA	Gross et al. (2016)	Literature search
EM	Africa	Morocco	PSA2	soil sediment	bulk	bulk + PM10	P	16.9	0.512	-13	-5.62	30.35	NA	Gross et al. (2016)	Literature search
IR	Africa	Morocco	PSA2	soil sediment	bulk	bulk	P	34.4	0.5119	-13.8	-6.58	29.98	NA	Gross et al. (2016)	Literature search
JB	Africa	Moroco	PSA2	soil sediment	bulk	bulk + PM11	P	14.4	0.5119	-14	-5.62	29.93	NA	Gross et al. (2016)	Literature search
LIB-1	Africa	Libya	NA	soil sediment	bulk	bulk	P	33.2	0.512	-13.4	22.35	32.83	NA	Gross et al. (2016)	Literature search
TL	Africa	Morocco	NA	soil sediment	bulk	bulk	P	26.5	0.512	-12.7	-6.95	31.28	NA	Gross et al. (2016)	Literature search
Algeria	Africa	Algeria	PSA1	soil sediment	bulk	Bulk	P	NA	NA	-13.5	3.14	35.57	NA	Grousset & Biscaye (2005)	Scheuvens
Chad	Africa	Chad	PSA5	soil sediment	bulk	Bulk	P	NA	NA	-12.7	13.95	14.35	NA	Grousset & Biscaye (2005)	Scheuvens
Egypt#1	Africa	Egypt	NA	soil sediment	bulk	$< 30\,\mu$m	P	NA	NA	-10.5	29.86	25.8	NA	Grousset & Biscaye (2005)	Scheuvens
Egypt#2	Africa	Egypt	NA	soil sediment	bulk	$< 30\,\mu$m	P	NA	NA	-11	29.86	25.8	NA	Grousset & Biscaye (2005)	Scheuvens

Egypt1	Africa	Egypt	PSA6	soil sediment	bulk	Bulk	P	NA	NA	-9.2	30.52	22.67	NA	Grousset & Biscaye (2005)	Scheuvens
Egypt2	Africa	Egypt	NA	soil sediment	bulk	Bulk	P	NA	NA	-3.9	30.96	29.07	NA	Grousset & Biscaye (2005)	Scheuvens
Libya1	Africa	Libya	NA	soil sediment	bulk	Bulk	P	NA	NA	-15.4	10.52	26.98	NA	Grousset & Biscaye (2005)	Scheuvens
Libya2	Africa	Libya	PSA4	soil sediment	bulk	Bulk	P	NA	NA	-13.8	16.98	28.03	NA	Grousset & Biscaye (2005)	Scheuvens
Libya3	Africa	Libya	NA	soil sediment	bulk	Bulk	P	NA	NA	-15.3	14.96	30.82	NA	Grousset & Biscaye (2005)	Scheuvens
Libya4	Africa	Libya	PSA4	soil sediment	bulk	< 30 μm	P	NA	NA	-10.7	18.26	26.59	NA	Grousset & Biscaye (2005)	Scheuvens
Inter-B1	Atlantic Ocean	NE Atlantic	NA	marine sediment	NA	bulk	P	25.7	NA	-11.6	-10.6	45.35		Grousset et al. (1988)	Literature search
Inter-B2	Atlantic Ocean	NE Atlantic	NA	marine sediment	NA	bulk	P	27.1	NA	-12.3	-11.83	43.75		Grousset et al. (1988)	Literature search
KC 8221	Atlantic Ocean	NE Atlantic	W of Street of Gibraltar	marine sediment	NA	bulk	P	30.2	NA	-8.4	-7.65	36.88		Grousset et al. (1988)	Scheuvens
KS 8228	Atlantic Ocean	NE Atlantic	W of Street of Gibraltar	marine sediment	NA	bulk	P	22.1	NA	-11.8	-8.72	35.83		Grousset et al. (1988)	Scheuvens
KS 8231	Mediterranean Sea	Alboran Basin	Alboran Sea	marine sediment	NA	bulk	P	30.3	NA	-10.1	-3.22	36.15		Grousset et al. (1988)	Scheuvens
Senegal	Africa	Senegal	Senegal River mouth	river sediment	NA	bulk	P	19.2	NA	-13.47	-16.56	14.26		Grousset et al. (1988)	Scheuvens
M1 5 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	19.4	NA	-12.1	3.47	42.47		Grousset et al. (1990)	Scheuvens
M2 100 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	25.2	NA	-11.4	3.47	42.47		Grousset et al. (1990)	Scheuvens
M3 300 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	17.2	NA	-12	3.47	42.47		Grousset et al. (1990)	Scheuvens
M4 600 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	29.2	NA	-11.6	3.47	42.47		Grousset et al. (1990)	Scheuvens

O1 50 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	34.6	NA	-12.4	3.47	42.47		Grousset et al. (1990)	Scheuvens
O2 100 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	31.8	NA	-11.8	3.47	42.47		Grousset et al. (1990)	Scheuvens
O3 300 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	33.6	NA	-11.5	3.47	42.47		Grousset et al. (1990)	Scheuvens
O4 600 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	NA	bulk	P	31.6	NA	-11.6	3.47	42.47		Grousset et al. (1990)	Scheuvens
R2	Europe	France	Rhone river	river sediment	NA	bulk	P	21.4	NA	-12.1	3.03	42.71		Grousset et al. (1990)	Literature search
R2P 645 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	marine sediment	NA	bulk	P	29.2	NA	-11.5	3.47	42.47		Grousset et al. (1990)	Scheuvens
T2	Europe	France	Tet River	river sediment	NA	bulk	P	30.2	NA	-11.7	4.76	43.42		Grousset et al. (1990)	Literature search
IF48	Africa	Morocco	NA	soil sediment	bulk	bulk	P	NA	0.5122	-8.3	-9.25	30.37	NA	Grousset et al. (1992)	Scheuvens
TUI78	Africa	Tunisia	PSA1	soil sediment	bulk	bulk	P	NA	0.5122	-9.5	9.78	34.2	NA	Grousset et al. (1992)	Scheuvens
AUE6-L	Australia	Great Sandy Desert	NA	soil sediment	bulk	Bulk	P	33	0.5125	-3.7	124	-18	NA	Grousset et al. (1992); Revel-Rolland et al. (2006)	Literature search
Atar	Africa	Mauritania	PSA2	soil sediment	bulk	< 30 μm	P	3.5	0.5117	-17.9	-11.8	21.9	NA	Grousset et al. (1998)	Scheuvens
ATK-35 (Atakor)	Africa	Algeria	PSA3	soil sediment	bulk	< 30 μm	P	39.7	0.512	-12.1	1.21	28.19	NA	Grousset et al. (1998)	Scheuvens
El Mroiti	Africa	Mauritania	NA	soil sediment	bulk	< 30 μm	P	35.5	0.5118	-16.6	-8.5	22.31	NA	Grousset et al. (1998)	Scheuvens
El Rachidia	Africa	Morocco	NA	soil sediment	bulk	< 30 μm	P	32.7	0.5119	-13.6	-4.99	32.36	NA	Grousset et al. (1998)	Scheuvens
Erg Sud Atar	Africa	Mauritania	PSA2	soil sediment	bulk	< 30 μm	P	3.2	0.5119	-13.5	-12.7	21.3	NA	Grousset et al. (1998)	Scheuvens
Essmarra	Africa	Morocco	PSA2	soil sediment	bulk	< 30 μm	P	40.2	0.5118	-16.3	-10.36	27.78	NA	Grousset et al. (1998)	Scheuvens
Est Dakar	Africa	Senegal	NA	soil sediment	bulk	< 30 μm	P	3.2	0.5118	-16.2	-17.4	14.7	NA	Grousset et al. (1998)	Scheuvens

Foum El Hassan	Africa	Morocco	NA	soil sediment	bulk	< 30 μm	P	38.7	0.5118	-17.1	-9.03	29.72	NA	Grousset et al. (1998)	Scheuvens
Foundiougne	Africa	Senegal	NA	soil sediment	bulk	< 30 μm	P	28.4	0.5119	-14.3	-16.4	13.8	NA	Grousset et al. (1998)	Scheuvens
K02	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	P	21.9	0.5119	-14.3	-17.28	19.48	NA	Grousset et al. (1998)	Scheuvens
K02	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	LGM	32.1	0.5117	-17.8	-17.28	19.48	NA	Grousset et al. (1998)	Literature search
K09	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	P	24.5	0.5119	-14.8	-18.25	21.33	NA	Grousset et al. (1998)	Scheuvens
K11	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	LGM	30.7	0.5117	-17.9	-17.95	21.48	NA	Grousset et al. (1998)	Literature search
K15	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	LGM	36.9	0.5116	-19.5	-17.27	23.73	NA	Grousset et al. (1998)	Literature search
K15	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	P	27.4	0.5119	-14.4	-17.27	23.73	NA	Grousset et al. (1998)	Scheuvens
K20b	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	LGM	24.8	0.5119	-14.1	-16.65	25.03	NA	Grousset et al. (1998)	Literature search
K20b	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	P	32.2	0.5119	-15.3	-16.65	25.03	NA	Grousset et al. (1998)	Scheuvens
K23	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	P	35.3	0.512	-11.7	-7.02	34.33	NA	Grousset et al. (1998)	Scheuvens
K25	Atlantic Ocean	E Atlantic	NA	marine sediment	decarb. sediment	< 30 μm	P	33	0.512	-13	-10.42	32.4	NA	Grousset et al. (1998)	Scheuvens
Kayes	Africa	Mali	NA	soil sediment	bulk	< 30 μm	P	30.9	NA	-15.2	-11.4	14.6	NA	Grousset et al. (1998)	Scheuvens
Kiffa	Africa	Mauritania	PSA2	soil sediment	bulk	< 30 μm	P	31.5	0.5119	-13.9	-11.4	16.6	NA	Grousset et al. (1998)	Scheuvens
Labbe	Africa	Guinea	NA	soil sediment	bulk	< 30 μm	P	22	0.512	-12.1	-12.3	11.3	NA	Grousset et al. (1998)	Scheuvens
Nouakchott	Africa	Mauritania	PSA2	soil sediment	bulk	< 30 μm	P	55.9	0.5118	-15.9	-15.95	18.07	NA	Grousset et al. (1998)	Scheuvens
Oujda	Africa	Morocco	NA	soil sediment	bulk	< 30 μm	P	29.9	0.512	-11.8	-2	34.34	NA	Grousset et al. (1998)	Scheuvens
Ro	Atlantic Ocean	E Atlantic	off Senegal	marine sediment	decarb. sediment	< 30 μm	P	41.9	0.5119	-14.5	-17.35	14.33	NA	Grousset et al. (1998)	Scheuvens
Senegal River	Africa	Senegal	PSA2	soil sediment	bulk	< 30 μm	P	19.2	0.5118	-13.1	-15	16.6	NA	Grousset et al. (1998)	Scheuvens
Tambacounda	Africa	Senegal	NA	soil sediment	bulk	< 30 μm	P	31.4	0.5119	-14.5	-13.7	13.8	NA	Grousset et al. (1998)	Scheuvens
Tichit	Africa	Mauritania	NA	soil sediment	bulk	< 30 μm	P	31.4	0.5119	-15.2	-8	17.4	NA	Grousset et al. (1998)	Scheuvens

Tillaberi	Africa	Niger	NA	soil sediment	bulk	< 30 μm	P	29	0.512	-12.4	0.46	14.81	NA	Grousset et al. (1998)	Scheuvens
Zouerat	Africa	Mauritania	PSA2	soil sediment	bulk	< 30 μm	P	38	0.5117	-17.8	-10.9	23.8	NA	Grousset et al. (1998)	Scheuvens
S Chile	America	Chile	NA	rocks	bulk	NA	P	21	NA	5.6	-76	-46.2	NA	Guivel et al. (1999)	Jeandel
Zimbabwe	Africa	Zimbabwe	NA	rocks	bulk	NA	P	14.82	NA	-14.5	34.5	-20	NA	Harmer et al. (1998)	Jeandel
Costa Rica Coast	America	Costa Rica	NA	rocks	bulk	NA	P	9.3	NA	7.3	-85	10	NA	Hauff et al. (2000)	Jeandel
Arabi Seoudite	Africa	Arabia	Saoudi Arabia	rocks	bulk	NA	P	30	NA	5	40	20	NA	Hegner and Pallister (1989)	Jeandel
ELT05-20	Southern Ocean	Antartica	Antarctic Peninsula	marine sediment	detrital residue	<63 μm	P	38.1	0.5125	-3.3	-74.78	-67.18	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT05-22	Southern Ocean	Antartica	Antarctic Peninsula	marine sediment	detrital residue	<63 μm	P	40.7	0.5127	0.9	-70.25	-65.95	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT11-18	Southern Ocean	Antartica	W Antarctica	marine sediment	detrital residue	<63 μm	P	47.1	0.5124	-4.7	-102.82	-70.14	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT11-19	Southern Ocean	Antartica	W Antarctica	marine sediment	detrital residue	<63 μm	P	55.1	0.5125	-3.3	-99.26	-70.42	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT33-11	Southern Ocean	Antartica	W Antarctica	marine sediment	detrital residue	<63 μm	P	58.1	0.5125	-2.7	-122.26	-70.1	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT33-12	Southern Ocean	Antartica	W Antarctica	marine sediment	detrital residue	<63 μm	P	66.1	0.5124	-5.5	-120.17	-70	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT37-06	Southern Ocean	Antartica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	34.1	0.5118	-17	145.02	-66.08	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB

ELT37-09	Southern Ocean	Antartica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	37.7	0.5118	-20.4	141.1	-65.55	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT37-10	Southern Ocean	Antartica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	42.8	0.5118	-16.1	137.88	-65.22	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT37-13	Southern Ocean	Antartica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	74.6	0.5119	-14.9	132.98	-64.67	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT47-07	Southern Ocean	Antartica	Pryzd Bay	marine sediment	detrital residue	<63 μm	P	47.3	0.5115	-21.3	77.9	-66.66	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT50-16	Southern Ocean	Antartica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	48.3	0.5119	-13.9	-106.64	-70.17	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
ELT50-18	Southern Ocean	Antartica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	47.8	0.512	-12.3	119.98	-64.43	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
IO1277-25	Southern Ocean	Antartica	Dronning Maud Land	marine sediment	detrital residue	<63 μm	P	65.4	0.5121	-11	10.97	-68.61	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
IO1277-E41	Southern Ocean	Antartica	Dronning Maud Land	marine sediment	detrital residue	<63 μm	P	94.7	0.5119	-15	-5.08	-70	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
IO1578-E48	Southern Ocean	Antartica	Weddel Sea	marine sediment	detrital residue	<63 μm	P	65.1	0.5122	-8.5	-20.01	-62	NA	Hemming et al. (2007), Roy et al. (2007)	SedDB
Berg group	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-14.8	156	-69.5	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams

Bowers Terrane	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-15.9	162.5	-71	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
Lantermann	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-12.7	163.5	-71.8	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
Rennkick Schists	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-16	160.8	-71.8	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
RobertsonBay Group	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-14.1	164.2	-71.3	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
Wilson Gneisses, Kavraskiy	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-12.7	161.1	-70.4	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
Wilson Gneisses, Wilson Hills	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-13.9	158.5	-69.8	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
Wilson Terrane	Antarctica	E Antarctica	Nothern Victoria Land , Southern Ocean side	rocks	bulk	NA	P	NA	NA	-14	161.8	-71.7	NA	Henjes-Kunst and Schussler (2003)	Cook-Williams
1ABCD5	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-10.3	5.05	42.98	NA	Henry et al. (1994)	Literature search
1ABD3	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-9.83	5.05	42.98	NA	Henry et al. (1994)	Literature search

1ABD4	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-10.2	5.05	42.98	NA	Henry et al. (1994)	Literature search
DYF FRII-A	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-12	7.87	43.4	NA	Henry et al. (1994)	Literature search
DYF FRII-B	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-11.25	7.87	43.4	NA	Henry et al. (1994)	Literature search
DYF FRII-C	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-11.14	7.87	43.4	NA	Henry et al. (1994)	Literature search
DYF IV-A	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-10.75	8.52	42.73	NA	Henry et al. (1994)	Literature search
DYF IV-B	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-10.73	8.52	42.73	NA	Henry et al. (1994)	Literature search
ECO II	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-10.63	3.47	42.47	NA	Henry et al. (1994)	Literature search
ECO III	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	trap sample	bulk	bulk	P	NA	NA	-10.23	3.47	42.47	NA	Henry et al. (1994)	Literature search
R10	Europe	France	Rhone river	river sediment	bulk	bulk	P	19.2	0.5121	-10.5	4.75	43.3	NA	Henry et al. (1994)	Literature search
R25	Europe	France	Rhone river	river sediment	bulk	bulk	P	17.7	0.5121	-10.4	4.75	43.3	NA	Henry et al. (1994)	Literature search
R2P 645 m	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	marine sediment	bulk	bulk	P	21.4	0.5121	-10.2	3.47	42.47	NA	Henry et al. (1994)	Literature search
Rint	Europe	France	Rhone river	river sediment	bulk	bulk	P	21.3	0.5121	-9.6	4.75	43.3	NA	Henry et al. (1994)	Literature search
T10	Europe	France	T,àö,Ñ¢t river	river sediment	bulk	bulk	P	26.9	0.5121	-10.4	3.05	42.7	NA	Henry et al. (1994)	Literature search
T25	Europe	France	T,àö,Ñ¢t river	river sediment	bulk	bulk	P	28.1	0.5121	-10.5	3.05	42.7	NA	Henry et al. (1994)	Literature search
Tint	Europe	France	T,àö,Ñ¢t river	river sediment	bulk	bulk	P	44.6	0.5121	-10.9	3.05	42.7	NA	Henry et al. (1994)	Literature search
Rio de la plata	America	Argentina	NA	river sediment	bulk	NA	P	40	NA	-9	-58	-35	NA	Henry et al. (1996)	Jeandel

Nakdongang (South-Korea)	Antarctica	W Antarctica	Ross Sea	rocks	bulk	NA	P	12	NA	-20.8	180	-80	NA	Hergt et al. (1989a)	Jeandel
Tasmania	Australia	Tasmania	NA	rocks	bulk	NA	P	12.5	NA	-5.2	147	-43	NA	Hergt et al. (1989b)	Jeandel
South australia	Australia	NA	NA	rocks	bulk	NA	P	22.19	NA	-21.1	136	-36	NA	Hergt et al. (1991)	Jeandel
135-834B-33R-1 (2690m)	Pacific Ocean	S Pacific	Lau basin	marine sediment	decarb. sediment	NA	P	10.33	NA	9.2	-177.87	-18.57	NA	Hergt et al. (1994)	Jeandel
135-835B-3R2 (2905m)	Pacific Ocean	S Pacific	Lau basin	marine sediment	decarb. sediment	NA	P	5.44	NA	8.8	-177.3	-18.5	NA	Hergt et al. (1994)	Jeandel
135-836A-3HCC (2466m)	Pacific Ocean	S Pacific	Lau basin	marine sediment	decarb. sediment	NA	P	5.1	NA	7.5	-176.82	-20.13	NA	Hergt et al. (1994)	Jeandel
Bonin islands	Pacific Ocean	W Pacific	Indonesia	rocks	bulk	NA	P	1.5	NA	2.3	140	27	NA	Hickey & Frey (1982)	Jeandel
Mariana	Pacific Ocean	W Pacific	Mariana Islands	rocks	bulk	NA	P	1.8	NA	6.7	145	15	NA	Hickey & Frey (1982)	Jeandel
Papua New Guinea	Australia	Papua New Guinea	NA	rocks	bulk	NA	P	3.55	NA	4.1	132.65	-1.2	NA	Hickey & Frey (1982)	Jeandel
Chile	America	Chile	NA	rocks	bulk	NA	P	18.6	NA	2.1	-72	-42	NA	Hickey et al. (1986)	Jeandel
Chile	America	Chile	NA	rocks	bulk	NA	P	18.6	NA	2.5	-72	-38	NA	Hickey et al. (1986)	Jeandel
Iles Faroes	Atlantic Ocean	N Atlantic	Faroes Islands	rocks	NA	NA	P	34	NA	7	-7	62		Holm et al. (2001)	Jeandel
HU87-033-007	Atlantic Ocean	NW Atlantic	Davis Strait	marine sediment	decarb. sediment	<2 μm	P	26.99	0.5112	-27.5	-57	64	823	Innocent et al. (1997)	Jeandel
HU87-033-008	Atlantic Ocean	NW Atlantic	Davis Strait	marine sediment	decarb. sediment	<2 μm	P	30.91	0.5114	-24.1	-53	62	2424	Innocent et al. (1997)	Jeandel
HU90-013-006	Atlantic Ocean	NW Atlantic	Labrador Sea	marine sediment	decarb. sediment	<2 μm	P	32.35	0.5118	-16.5	-46	60	1105	Innocent et al. (1997)	Jeandel
HU90-013-011	Atlantic Ocean	NW Atlantic	Labrador Sea	marine sediment	decarb. sediment	<2 μm	P	36.27	0.5122	-8.8	-48	59.5	2805	Innocent et al. (1997)	Jeandel
HU90-013-020	Atlantic Ocean	NW Atlantic	Labrador Sea	marine sediment	decarb. sediment	<2 μm	P	22.33	0.5118	-17	-59	59	2865	Innocent et al. (1997)	Jeandel
HU91-045-005	Atlantic Ocean	NW Atlantic	Labrador Sea	marine sediment	decarb. sediment	<2 μm	P	29.56	0.5112	-27.7	-55	55	530	Innocent et al. (1997)	Jeandel

MD99-2308Hy (2520m)	Atlantic Ocean	N Atlantic	Greenland	marine sediment	NA	NA	P	26.99	NA	-13.7	-13.99	72.9		Jeandel et al. (2007)	Jeandel
Core NIOP 905 P	Indian Ocean	Somalia	NA	marine sediment	NA	< 2 μm	P	NA	NA	-6.59	51.63	10.26		Jung et al. (2004)	Literature search
Greenland SE	Atlantic Ocean	N Atlantic	Greenland	rocks	NA	NA	P	45	NA	-26	-37	66		Kalsbeek et al. (1993)	Jeandel
2386	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.513	6.11	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2481	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	4.37	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2486	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	5.85	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2510	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	4.55	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2381b	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5128	3.96	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2470b	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	4.97	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2474b	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	5.83	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2475b	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	5.17	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2480b	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	4.43	5.73	23.3	NA	Keppie et al. (2011)	Literature search
2501b	Africa	Algeria	Atakor	rocks	bulk	NA	P	NA	0.5129	4.68	5.73	23.3	NA	Keppie et al. (2011)	Literature search
TQ89-2	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5127	1.58	6.97	24.24	NA	Keppie et al. (2011)	Literature search
TQ89-24	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5128	2.46	6.97	24.24	NA	Keppie et al. (2011)	Literature search
TQ90-12	Africa	Algeria	Djebel Taharaq (Anahef)	rocks	bulk	NA	P	NA	0.5127	1.05	6.97	24.24	NA	Keppie et al. (2011)	Literature search
GeoB4901-5	Atlantic Ocean	E Atlantic	NA	marine sediment	detrital residue	NA	P	NA	NA	-11.8	6.72	2.68	2177	Kraft et al. (2013)	Author contribution
GeoB4902-4	Atlantic Ocean	E Atlantic	NA	marine sediment	detrital residue	NA	P	NA	NA	-11	6.03	2.35	3221	Kraft et al. (2013)	Author contribution
GeoB4905-2	Atlantic Ocean	E Atlantic	NA	marine sediment	detrital residue	NA	P	NA	NA	-15.8	9.39	2.5	1329	Kraft et al. (2013)	Author contribution

East South-Korea	Asia	South Korea	East	rocks	bulk	NA	P	39.42	NA	-23.9	129	37	NA	Lan et al. (1995)	Jeandel
Hangang (South-Korea)	Asia	South Korea	Hangang	river sediment	bulk	NA	P	39.02	NA	-16.9	126	37	NA	Lan et al. (1995)	Jeandel
Nakdongang (South-Korea)	Asia	South Korea	Nakdongang	river sediment	bulk	NA	P	31.2	NA	-13.4	129	35	NA	Lan et al. (1995)	Jeandel
Sumjingang (South-Korea)	Asia	South Korea	Sumjingang	river sediment	bulk	NA	P	37.92	NA	-18.4	127.5	34.5	NA	Lan et al. (1995)	Jeandel
Youngsangang (South-Korea)	Asia	South Korea	Youngsangang	river sediment	bulk	NA	P	35.69	NA	-13.2	126	35	NA	Lan et al. (1995)	Jeandel
Pondaung formation	Asia	India	Central Myanmar basin	rocks	bulk	NA	P	NA	NA	-2.51	94.83	21.75	NA	Licht et al. (2013); Ali et al. (2015)	Literature search
Yaw formation	Asia	India	NA	rocks	bulk	NA	P	NA	NA	-6.16	94.68	21.7	NA	Licht et al. (2013); Ali et al. (2015)	Literature search
Central Chile	America	Chile	NA	rocks	bulk	NA	P	8.5	NA	5.5	-70.3	-23.85	NA	Lucassen & Thirwall (1998)	Jeandel
Barren island	Indian Ocean	N Indian	NA	rocks	bulk	NA	P	NA	NA	5.2	94.27	13.45	NA	Luhr and Haldar (2006); Ali et al. (2015)	Literature search
New Zealand	Pacific Ocean	SW Pacific	New Zealand	rocks	NA	NA	P	5	NA	1.2	172.4	-41		M,Äö√†√∂¬¨¨,à´nker (2000)	Jeandel
171293	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	6.01	0.5119	-13.6	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
612294	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	2.76	0.5121	-11.3	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
1011194	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	16.57	0.512	-13.1	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
2631293	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	10.7	0.5116	-19.3	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
7271193	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	8.4	0.5115	-22	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
9503014	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	0.9	0.5126	-1.6	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams

10231293	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	13.82	0.5116	-19.5	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
20311293	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	11.54	0.5118	-16.6	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
16294b	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	10.69	0.5121	-11.4	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
54294b	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	4.13	0.5116	-19.8	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
64294m	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	7.83	0.5113	-26.1	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
dc145	Antarctica	E Antarctica	WR	rocks	bulk	NA	P	7.38	0.512	-12.6	110.42	-66.35	NA	M,àö,àÇller et al. (2016)	Cook-Williams
A10	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-13.3	-107.26	79.43	NA	Maccali et al. (2018)	Literature search
A11	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-14	-102.2	79.26	NA	Maccali et al. (2018)	Literature search
A12	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-15.2	-106.41	74.88	NA	Maccali et al. (2018)	Literature search
A13	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-12.6	130.92	71.5	NA	Maccali et al. (2018)	Literature search
A14	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-7.8	160.03	71.92	NA	Maccali et al. (2018)	Literature search
A15	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-11.8	125.93	74.53	NA	Maccali et al. (2018)	Literature search
A16	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5121	-11.2	125.93	74.53	NA	Maccali et al. (2018)	Literature search
A17	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-8.9	165	70.09	NA	Maccali et al. (2018)	Literature search
A18	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-12.6	138.97	74.32	NA	Maccali et al. (2018)	Literature search
A19	Arctic Ocean	Chuksi Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5123	-7	-170.37	67.47	NA	Maccali et al. (2018)	Literature search
A2	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-14.8	-137.99	69.35	NA	Maccali et al. (2018)	Literature search
A20	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-14.5	-133.97	69.87	NA	Maccali et al. (2018)	Literature search

A21	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-12.5	-96.09	81.17	NA	Maccali et al. (2018)	Literature search
A22	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-8.6	179.89	69.98	NA	Maccali et al. (2018)	Literature search
A23	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-15.2	133.88	73.75	NA	Maccali et al. (2018)	Literature search
A24	Arctic Ocean	Chuksi Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-9.5	-156.5	71.75	NA	Maccali et al. (2018)	Literature search
A25	Arctic Ocean	Chuksi Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-8.8	-165.5	69.8	NA	Maccali et al. (2018)	Literature search
A29	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5121	-10.7	155.4	73.97	NA	Maccali et al. (2018)	Literature search
A3	Arctic Ocean	Barents Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-14.7	42.61	71.74	NA	Maccali et al. (2018)	Literature search
A30	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5119	-15.2	149.5	72.58	NA	Maccali et al. (2018)	Literature search
A31	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-12.2	122	74.33	NA	Maccali et al. (2018)	Literature search
A32	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-8.2	175	70.45	NA	Maccali et al. (2018)	Literature search
A33	Arctic Ocean	E Siberian Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5123	-7.4	170	70.72	NA	Maccali et al. (2018)	Literature search
A34	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-13	120	75.5	NA	Maccali et al. (2018)	Literature search
A35	Arctic Ocean	Chuksi Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5123	-7.1	-173.41	67.58	NA	Maccali et al. (2018)	Literature search
A36	Arctic Ocean	Laptev Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-12.2	143.73	74.33	NA	Maccali et al. (2018)	Literature search
A4	Arctic Ocean	Kara Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-12.5	58.95	73.05	NA	Maccali et al. (2018)	Literature search
A49	Arctic Ocean	Barents Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-9	25.84	79.57	NA	Maccali et al. (2018)	Literature search
A5	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-13.3	-102.61	80.48	NA	Maccali et al. (2018)	Literature search
A51	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5116	-19.5	-63.26	81.62	NA	Maccali et al. (2018)	Literature search
A6	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-13.3	-102.61	80.48	NA	Maccali et al. (2018)	Literature search

A7	Arctic Ocean	Kara Sea	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.5122	-9.6	66.92	78.48	NA	Maccali et al. (2018)	Literature search
A9	Arctic Ocean	Mackenzie-Canadian Arctic	NA	marine sediment	detrital residue	63-100 μm	P	NA	0.512	-13.3	-107.26	79.43	NA	Maccali et al. (2018)	Literature search
kerguelen	Southern Ocean	Kerguelen	NA	soil sediment	bulk	NA	P	21	NA	-8	83	-65	NA	Mahoney et al. (1995)	Jeandel
Akutan Island (Aleutian Is)	America	Aleutian	NA	rocks	bulk	NA	P	20.03	NA	7.4	-166	54	NA	McCulloch & Perfit (1981)	Jeandel
Bogoslov Island (Al Is)	America	Aleutian	NA	rocks	bulk	NA	P	26.3	NA	7.2	-169	54	NA	McCulloch & Perfit (1981)	Jeandel
Kiska Island (Al Is)	America	Aleutian	NA	rocks	bulk	NA	P	11.5	NA	8.5	177	53	NA	McCulloch & Perfit (1981)	Jeandel
Unalaska Island (Al Is)	America	Aleutian	NA	rocks	bulk	NA	P	13.15	NA	7.6	-168	54	NA	McCulloch & Perfit (1981)	Jeandel
BB 9979 W	Pacific Ocean	W Pacific	Australia	marine sediment	decarb. sediment	NA	P	32	NA	-6.3	146.15	-17.3	NA	McCulloch et al. (2003)	Jeandel
Amazon Fan	America	Brazil	Amazon river	river sediment	bulk	NA	P	42	NA	-10.2	-48	7.5	NA	McDaniel et al. (1997)	Jeandel
BA16-M	Pacific Ocean	W Pacific	Celebes Basin	marine sediment	decarb. sediment	NA	P	19.2	0.5121	4.2	121.32	2.42	5336	McLennan et al. (1990)	Jeandel/Hemming
BA23-M	Pacific Ocean	NW Pacific	Japan Basin	marine sediment	decarb. sediment	NA	P	32.7	0.5114	-9.3	130.58	36.39	2111	McLennan et al. (1990)	Jeandel/Hemming
CA24-S	Pacific Ocean	E Pacific	West Mexico Basin	marine sediment	decarb. sediment	NA	P	14.5	0.5121	4.2	-104.36	18.13	680	McLennan et al. (1990)	Jeandel/Hemming
CA25-M	Pacific Ocean	E Pacific	Middle America trench	marine sediment	decarb. sediment	NA	P	26	0.5119	1.3	-105.3	19.06	4912	McLennan et al. (1990)	Jeandel/Hemming
CA27-S	Pacific Ocean	SE Pacific	Peru Chile slope	marine sediment	decarb. sediment	NA	P	19.7	0.5117	-3.2	-73.73	-16.92	3603	McLennan et al. (1990)	Jeandel/Hemming
CA29-M	Pacific Ocean	SE Pacific	Peru Chile trench	marine sediment	decarb. sediment	NA	P	23.7	0.5116	-5	-81.24	-7.35	5856	McLennan et al. (1990)	Jeandel/Hemming
CA30-M	Indian Ocean	E Indian Ocean	Java trench	marine sediment	decarb. sediment	NA	P	35	0.5111	-13.8	103.07	-7.21	6454	McLennan et al. (1990)	Jeandel/Hemming
SS13-S	Pacific Ocean	NE Pacific	Alaska Basin	marine sediment	decarb. sediment	NA	P	17.3	0.5119	1.6	-145.59	54.37	4111	McLennan et al. (1990)	Jeandel/Hemming

TE1-M V27-130	Atlantic Ocean	NE Atlantic	Biscay abyssal plain	marine sediment	decarb. sediment	NA	P	36.2	0.5113	-9.9	-7.59	45.04	4526	McLennan et al. (1990)	Jeandel/Hemming
TE6-S RC15-79	Atlantic Ocean	SW Atlantic	South Falkland Basin	marine sediment	decarb. sediment	NA	P	13.7	0.5116	-4.4	-60.28	-52.55	472	McLennan et al. (1990)	Jeandel/Hemming
TE7-S RC13-220	Atlantic Ocean	E Atlantic	Angola Basin	marine sediment	decarb. sediment	NA	P	9.1	0.5106	-24.9	12.36	-12.12	1760	McLennan et al. (1990)	Jeandel/Hemming
Southern Canada	America	Canada	Southern Canada	river sediment	bulk	NA	P	NA	0.5114	-25	-54.95	48.69	NA	McMulloch and Wasserburg (1978) in Revel et al. (1996)	Literature search
WAU1	Africa	Libya	Wau-an Namus	rocks	bulk	paleogene basalts	P	57.9	0.5129	5.68	17.75	24.93	NA	Miller et al. (2012)	Literature search
SO213,-84,-2	Pacific Ocean	S Pacific	NA	marine sediment	detrital residue	NA	H	NA	NA	-3.5	-174.58	-45.12	992	Molina-Kescher et al. (2014)	External contribution
SO213,-85,-E1	Pacific Ocean	S Pacific	NA	marine sediment	detrital residue	NA	P	NA	NA	-3.5	-174.53	-44.77	NA	Molina-Kescher et al. (2014)	External contribution
SO213,-87,-E1	Pacific Ocean	S Pacific	NA	marine sediment	detrital residue	NA	P	NA	NA	-3.7	-174.1	-44.08	NA	Molina-Kescher et al. (2014)	External contribution
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-12.9	75	-73		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-2.7	69	-71		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-25	68	-71		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-27.1	68	-73		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-27.2	68	-73		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-10.3	68	-71		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-12.9	67	-72		N/A	Williams
NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-12.8	65	-70		N/A	Williams

NA	Antarctica	East Antarctica	Prydz Bay	marine sediment	NA	NA	P	NA	NA	-30.4	65	-74		N/A	Williams
TT175-83P	Pacific Ocean	NE Pacific	NA	marine sediment	detrital residue	NA	P	18.5	NA	-6.1	-131.7	46.3	NA	Nakai et al. (1993)	Jeandel
V19-29	Pacific Ocean	SE Pacific	NA	marine sediment	detrital residue	NA	LGM	9.12	NA	-4.3	-83.9	-3.6	NA	Nakai et al. (1993)	Jeandel
PS2819-1	Atlantic Ocean	S Atlantic	NA	marine sediment	detrital residue	NA	P	NA	0.5125	-2.3	-17.85	-72.39	1432	Noble et al. (2012)	SedDB
PS2819-1	Atlantic Ocean	S Atlantic	NA	marine sediment	detrital residue	NA	LGM	NA	0.5121	-9.9	-17.85	-72.39	1432	Noble et al. (2012)	SedDB
PS2820-1	Southern Ocean	Antartica	NA	marine sediment	detrital residue	NA	LGM	NA	0.5121	-10	-15.78	-71.67	1341	Noble et al. (2012)	SedDB
PS2820-1	Southern Ocean	Antartica	NA	marine sediment	detrital residue	NA	P	NA	0.5125	-2.6	-15.78	-71.67	1341	Noble et al. (2012)	SedDB
TPC290	Atlantic Ocean	S Atlantic	NA	marine sediment	detrital residue	NA	LGM	NA	0.5125	-3.5	-45.01	-55.55	3826	Noble et al. (2012)	SedDB
TPC290	Atlantic Ocean	S Atlantic	NA	marine sediment	detrital residue	NA	P	NA	0.5124	-5.1	-45.01	-55.55	3826	Noble et al. (2012)	SedDB
Icelandic basalts	Atlantic Ocean	N Atlantic	Iceland	rocks	NA	NA	P	NA	NA	7.98	-19.06	63.65		O'Nions and Gr,Äö√†√∂, Äö√†√ánvold (1973) in Revel et al. (1996)	Literature search
Icelandic basalts	Atlantic Ocean	N Atlantic	Iceland	rocks	bulk	NA	P	NA	0.5131	7.98	-19.06	63.65	NA	O'Nions and Gr,àö,àÇnvold (1973) in Revel et al. (1996)	Literature search
Baltic Sea	Europe	Finland	Baltic Sea	soil sediment	bulk	NA	P	13	NA	-19.4	25	67	NA	Ohlander et al. (2000)	Jeandel
V28-341 (750m)	Indian Ocean	E Indian Ocean	Timor	marine sediment	bulk	NA	P	17.33	NA	-9.3	130.13	-9.06	NA	Othman et al. (1989)	Jeandel
V33-75 (3396m)	Indian Ocean	E Indian Ocean	Sunda	marine sediment	bulk	NA	P	16.98	NA	-3.1	107.11	-8.25	NA	Othman et al. (1989)	Jeandel
V33-77 (3014m)	Indian Ocean	E Indian Ocean	Sunda	marine sediment	bulk	NA	P	13.75	NA	-2.8	106.43	-8.7	NA	Othman et al. (1989)	Jeandel
V33-79 (3000m)	Indian Ocean	E Indian Ocean	Sunda	marine sediment	bulk	NA	P	13.38	NA	-2.6	106.4	-7.9	NA	Othman et al. (1989)	Jeandel
Abay, Amhara	Africa	Ethiopia	Nile River	river sediment	bulk	NA	P	32	0.5127	0.7	36.82	10.35	NA	Padoan et al. (2010)	Padoan

Abay, Goha Tsiyon	Africa	Ethiopia	Nile River	river sediment	bulk	<40 μm	P	26	0.5131	8.2	38.24	10.01	NA	Padoan et al. (2010)	Padoan
Albert Nile, Wadelai	Africa	Uganda	Nile River	river sediment	bulk	NA	P	20	0.5109	-33.5	31.44	2.72	NA	Padoan et al. (2010)	Padoan
Anger, Tsyge Mariam	Africa	Ethiopia	Nile River	river sediment	bulk	NA	P	24	0.5125	-3.2	36.15	9.52	NA	Padoan et al. (2010)	Padoan
Anger, Tsyge Mariam	Africa	Ethiopia	Nile River	river sediment	bulk	<63 μm	P	32	0.5128	2.4	36.15	9.52	NA	Padoan et al. (2010)	Padoan
Atbara, Abu Ammar	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	33	0.5128	2.3	34.21	17.53	NA	Padoan et al. (2010)	Padoan
Atbara, Showak	Africa	Ethiopia	Nile River	river sediment	bulk	NA	P	22	0.5128	2.7	35.85	14.35	NA	Padoan et al. (2010)	Padoan
Atbara, Showak	Africa	Ethiopia	Nile River	river sediment	bulk	<40 μm	P	29	0.5128	3.2	35.85	14.35	NA	Padoan et al. (2010)	Padoan
B. el Jebel, Juba	Africa	Sudan	Nile River	river sediment	bulk	<63 μm	P	30	0.5114	-25.2	31.63	4.85	NA	Padoan et al. (2010)	Padoan
B. ez Zeraf, Fangak(12km)	Africa	Sudan	Nile River	river sediment	bulk	Bulk mud	P	22	0.5117	-19.2	30.83	9.26	NA	Padoan et al. (2010)	Padoan
B. ez Zeraf, Fangak(62km)	Africa	Sudan	Nile River	river sediment	bulk	<40 μm	P	24	0.5116	-19.4	30.66	8.54	NA	Padoan et al. (2010)	Padoan
Beles, Enat Beles	Africa	Sudan	Nile River	river sediment	bulk	<40 μm	P	15	0.5128	2.3	35.47	11.13	NA	Padoan et al. (2010)	Padoan
Beles, Enat Beles	Africa	Sudan	Nile River	river sediment	bulk	NA	P	24	0.5127	1.2	35.47	11.13	NA	Padoan et al. (2010)	Padoan
Blue Nile, Bambudi	Africa	Sudan	Nile River	river sediment	bulk	<40 μm	P	36	0.5127	1	34.98	11.24	NA	Padoan et al. (2010)	Padoan
Blue Nile, Bambudi	Africa	Sudan	Nile River	river sediment	bulk	NA	P	23	0.5126	-1	35.13	11.19	NA	Padoan et al. (2010)	Padoan
Blue Nile, Bambudi	Africa	Sudan	Nile River	river sediment	bulk	NA	P	24	0.5127	0.7	35.13	11.19	NA	Padoan et al. (2010)	Padoan
Blue Nile, Hag Habdullah	Africa	Sudan	Nile River	river sediment	bulk	bulk	P	29	0.513	6.2	33.59	13.96	NA	Padoan et al. (2010)	Padoan

Blue Nile, Khartoum	Africa	Sudan	Nile River / PSA6	river sediment	bulk	NA	P	33	0.5127	0.7	32.7	15.47	NA	Padoan et al. (2010)	Padoan
Blue Nile, Khartoum	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	35	0.5127	0.7	32.7	15.47	NA	Padoan et al. (2010)	Padoan
Blue Nile, Wad Madani	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	NA	0.5126	-0.3	33.5	14.44	NA	Padoan et al. (2010)	Padoan
Dabus, Bambesi	Africa	Sudan	Nile River	river sediment	bulk	<63 μm	P	21	0.5129	4.3	35.05	10.35	NA	Padoan et al. (2010)	Padoan
Dabus, Bambesi	Africa	Sudan	Nile River	river sediment	bulk	NA	P	27	0.5125	-3.6	35.05	10.35	NA	Padoan et al. (2010)	Padoan
Dabus, Bambesi	Africa	Sudan	Nile River	river sediment	bulk	<40 μm	P	34	0.5124	-5.1	35.05	10.35	NA	Padoan et al. (2010)	Padoan
Didesa, Ephrem	Africa	Ethiopia	Nile River	river sediment	bulk	NA	P	14	0.5125	-2.2	36.07	9.32	NA	Padoan et al. (2010)	Padoan
Didesa, Ephrem	Africa	Ethiopia	Nile River	river sediment	bulk	<63 μm	P	29	0.5129	4.3	36.07	9.32	NA	Padoan et al. (2010)	Padoan
NA	Africa	Ethiopia	Nile River	river sediment	bulk	<63 μm	P	48	0.5129	6	36.44	8.05	NA	Padoan et al. (2010)	Padoan
Gash, Kassala	Africa	Sudan	Nile River / PSA6	river sediment	bulk	NA	P	16	0.5125	-2.4	36.36	15.5	NA	Padoan et al. (2010)	Padoan
Gash, Kassala	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	25	0.5124	-4.2	36.36	15.5	NA	Padoan et al. (2010)	Padoan
Gilgel Abay, Dangla	Africa	Ethiopia	Nile River	river sediment	bulk	<63 μm	P	25	0.5129	5.6	36.81	11.27	NA	Padoan et al. (2010)	Padoan
Guder, Guder	Africa	Ethiopia	Nile River	river sediment	bulk	<63 μm	P	46	0.513	6.6	37.7	9.16	NA	Padoan et al. (2010)	Padoan
Main Nile, 3rd Cataract	Africa	Sudan	Nile River / PSA6	river sediment	bulk	NA	P	25	0.5126	-0.8	30.41	19.94	NA	Padoan et al. (2010)	Padoan
Main Nile, 3rd Cataract	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	30	0.5127	1.7	30.41	19.94	NA	Padoan et al. (2010)	Padoan
Main Nile, Gureir	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	31	0.5125	-2.9	31.69	18.31	NA	Padoan et al. (2010)	Padoan
Main Nile, Karima	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	34	0.5127	1.2	31.85	18.53	NA	Padoan et al. (2010)	Padoan
Nile, Cataract	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	34	0.5127	1.2	32.69	16.33	NA	Padoan et al. (2010)	Padoan
Ora, Wadelai	Africa	Uganda	Nile River	river sediment	bulk	<63 μm	P	26	0.511	-32.3	31.45	2.69	NA	Padoan et al. (2010)	Padoan

Rahad, Hufeira	Africa	Sudan	Nile River	river sediment	bulk	NA	P	9	0.5125	-3.3	33.91	14.12	NA	Padoan et al. (2010)	Padoan
Sobat, Old Nasser	Africa	Sudan	Nile River	river sediment	bulk	<63 μm	P	6	0.5126	-1.6	33.07	8.61	NA	Padoan et al. (2010)	Padoan
Sobat, Abwong	Africa	Sudan	Nile River	river sediment	bulk	<63 μm	P	21	0.5122	-9.6	32.1	9.25	NA	Padoan et al. (2010)	Padoan
Sobat, Hillet doleib	Africa	Sudan	Nile River	river sediment	bulk	<63 μm	P	28	0.5122	-9.1	31.65	9.32	NA	Padoan et al. (2010)	Padoan
Tekeze, Togo Ber	Africa	Ethiopia	Nile River	river sediment	bulk	<40 μm	P	32	0.5127	0.7	38.19	13.74	NA	Padoan et al. (2010)	Padoan
Victoria Nile, Itanda Falls	Africa	Uganda	Nile River	river sediment	bulk	<63 μm	P	139	0.5108	-36.2	33.06	0.6	NA	Padoan et al. (2010)	Padoan
Victoria Nile, Murchison Falls	Africa	Uganda	Nile River	river sediment	bulk	<63 μm	P	41	0.5111	-29.6	31.69	2.28	NA	Padoan et al. (2010)	Padoan
W. Guba, Creek IV	Africa	Sudan	Nile River	river sediment	bulk	NA	P	10	0.5124	-4.6	35.28	11.27	NA	Padoan et al. (2010)	Padoan
W. Guba, Creek IV	Africa	Sudan	Nile River	river sediment	bulk	<40 μm	P	19	0.5127	1.1	35.28	11.27	NA	Padoan et al. (2010)	Padoan
W. Milk, Ed Debba	Africa	Sudan	Nile River / PSA6	river sediment	bulk	NA	P	4	0.5123	-7.3	30.89	17.91	NA	Padoan et al. (2010)	Padoan
W. Milk, Ed Debba	Africa	Sudan	Nile River / PSA6	river sediment	bulk	<40 μm	P	30	0.5123	-7.5	30.89	17.91	NA	Padoan et al. (2010)	Padoan
White Nile, Kosti	Africa	Sudan	Nile River	river sediment	bulk	<63 μm	P	20	0.5121	-10.4	32.73	11.93	NA	Padoan et al. (2010)	Padoan
White Nile, Rabak	Africa	Sudan	Nile River	river sediment	bulk	NA	P	6	0.5122	-8.8	32.72	13.17	NA	Padoan et al. (2010)	Padoan
White Nile, Rabak	Africa	Sudan	Nile River	river sediment	bulk	<40 μm	P	19	0.5122	-8.6	32.72	13.17	NA	Padoan et al. (2010)	Padoan
KL23	Africa	Red Sea	NA	marine sediment	decarb. sediment	< 63 μm	LGM	23.25	0.5124	-5.68	35.05	24.75	NA	Palchan et al. (2013)	SedDB
B.S 2	Africa	Israel	NA	soil sediment	bulk	NA	P	23.55	0.5125	-2.9	35.39	32.69	NA	Palchan et al. (2018)	Literature search
B.S 3	Africa	Israel	NA	soil sediment	bulk	NA	P	36.66	0.5123	-6.11	35.5	32.87	NA	Palchan et al. (2018)	Literature search
B.S 4	Africa	Israel	NA	soil sediment	bulk	NA	P	30.23	0.5128	2.73	35.49	32.88	NA	Palchan et al. (2018)	Literature search
B.S 5	Africa	Israel	NA	soil sediment	bulk	NA	P	35.77	0.5124	-4.89	35.5	32.87	NA	Palchan et al. (2018)	Literature search

NA	Africa	Israel	NA	soil sediment	bulk	NA	P	NA	0.5123	-7.12	34.4	30.93	NA	Palchan et al. (2018)	Literature search
TR 1	Africa	Israel	NA	soil sediment	bulk	NA	P	18.43	0.5123	-6	35.21	31.78	NA	Palchan et al. (2018)	Literature search
TR 3	Africa	Israel	NA	soil sediment	bulk	NA	P	42.82	0.5124	-5.42	35.4	32.9	NA	Palchan et al. (2018)	Literature search
TR 4	Africa	Israel	NA	soil sediment	bulk	NA	P	35.14	0.5124	-5.5	35.45	32.85	NA	Palchan et al. (2018)	Literature search
TR 5	Africa	Israel	NA	soil sediment	bulk	NA	P	47.07	0.5123	-7.59	35.51	32.89	NA	Palchan et al. (2018)	Literature search
TR 6	Africa	Israel	NA	soil sediment	bulk	NA	P	48.22	0.5124	-5.07	35.46	32.85	NA	Palchan et al. (2018)	Literature search
TR 7	Africa	Israel	NA	soil sediment	bulk	NA	P	46.56	0.5124	-5.58	35.46	32.85	NA	Palchan et al. (2018)	Literature search
TR 8	Africa	Israel	NA	soil sediment	bulk	NA	P	41.47	0.5123	-6.14	35.45	32.85	NA	Palchan et al. (2018)	Literature search
TR 9	Africa	Israel	NA	soil sediment	bulk	NA	P	36.52	0.5123	-5.98	35.49	32.88	NA	Palchan et al. (2018)	Literature search
V.L 1	Africa	Israel	NA	soil sediment	bulk	NA	P	21.33	0.5122	-7.92	35.37	31.71	NA	Palchan et al. (2018)	Literature search
V.L 2	Africa	Israel	NA	soil sediment	bulk	NA	P	9.43	0.5122	-9.14	35.37	31.71	NA	Palchan et al. (2018)	Literature search
V.L 3	Africa	Israel	NA	soil sediment	bulk	NA	P	2.73	0.5124	-5.25	35.37	31.71	NA	Palchan et al. (2018)	Literature search
V.L 4	Africa	Israel	NA	soil sediment	bulk	NA	P	5.47	0.5122	-7.78	35.37	31.71	NA	Palchan et al. (2018)	Literature search
V.L 5	Africa	Israel	NA	soil sediment	bulk	NA	P	9.26	0.5123	-6.44	35.37	31.71	NA	Palchan et al. (2018)	Literature search
V.L 6	Africa	Israel	NA	soil sediment	bulk	NA	P	36.75	0.5123	-6.15	35.37	31.71	NA	Palchan et al. (2018)	Literature search
C American arc	Pacific Ocean	E Pacific	NA	rocks	bulk	NA	P	13	NA	5.9	-95	13	NA	Patino et al. (2002)	Jeandel
New Hebrides Arc	Pacific Ocean	SW Pacific	Australia	rocks	bulk	NA	P	14.4	NA	7.4	168	-15	NA	Peate et al. (1997)	Jeandel
DF79-47	Southern Ocean	E Antarctica	Aurora and Wilkes Subglacial Basin	marine sediment	bulk	<63 μm	H	NA	NA	-12	148.73	-66.67	NA	Pierce et al. (2011)	Cook-Williams

DF80-20	Southern Ocean	E Antarctica	Aurora and Wilkes Subglacial Basin	marine sediment	bulk	<63 μm	H	NA	NA	-10.1	163.68	-69.78	NA	Pierce et al. (2011)	Cook-Williams
DF80-34	Southern Ocean	E Antarctica	Aurora and Wilkes Subglacial Basin	marine sediment	bulk	<63 μm	H	NA	NA	-3.5	162.83	-69.92	NA	Pierce et al. (2011)	Cook-Williams
ELT37-09	Southern Ocean	E Antarctica	Aurora and Wilkes Subglacial Basin	marine sediment	bulk	<63 μm	H	NA	NA	-21.2	141.1	-65.55	NA	Pierce et al. (2011)	Cook-Williams
ELT37-13	Southern Ocean	E Antarctica	Aurora and Wilkes Subglacial Basin	marine sediment	bulk	<63 μm	H	NA	NA	-14.7	132.98	-64.67	NA	Pierce et al. (2011)	Cook-Williams
ELT49-30	Southern Ocean	E Antarctica	Aurora and Wilkes Subglacial Basin	marine sediment	bulk	<63 μm	H	NA	NA	-13.8	127.45	-63.97	NA	Pierce et al. (2011)	Cook-Williams
NBP0101 JPC11 2305,-2310	Antarctica	E Antarctica	Adelie Land	marine sediment	bulk	<63 μm	H	NA	NA	-23.6	143.05	-66.56	NA	Pierce et al. (2011)	Cook-Williams
495	Atlantic Ocean	W Atlantic	Guatemala	marine sediment	bulk	NA	P	19	NA	2	-91	13	NA	Plank & Langmuir (1998)	Jeandel
NW USA	America	California	NA	rocks	bulk	NA	P	21.95	NA	-0.5	-119	37.62	NA	Reid et al. (1996)	Jeandel
East Greenland	Greenland	E Greenland	East Greenland	rocks	bulk	NA	P	NA	0.5106	-40	-35.81	66.72	NA	Revel et al. (1996)	Literature search
Iceland river	Atlantic Ocean	N Atlantic	Iceland	river sediment	bulk	NA	P	54	NA	7.6	-18.5	63.4	NA	Revel et al. (1996)	Jeandel
Myrdalssandur	Atlantic Ocean	N Atlantic	Iceland (South)	marine sediment	NA	NA	P	54	NA	7.6	-21.2	63.5		Revel et al. (1996)	Literature search
N British Isles	Atlantic Ocean	NE Atlantic	British Isles	rocks	bulk	NA	P	40	NA	-10.6	-2	58	NA	Revel et al. (1996)	Jeandel
ODP 645	Atlantic Ocean	NW Atlantic	Baffin Bay	marine sediment	decarb. sediment	NA	LGM	21	0.5113	-27	-64.65	70.46	NA	Revel et al. (1996)	Literature search
ODP 645	Atlantic Ocean	NW Atlantic	Baffin Bay	marine sediment	decarb. sediment	NA	P	21	0.511	-32	-64.65	70.46	NA	Revel et al. (1996)	Literature search
Rom1	Atlantic Ocean	N Atlantic	Faeroe Islands	marine sediment	NA	NA	P	7	NA	-6.5	-7.5	62		Revel et al. (1996)	Literature search

Iceland	Atlantic Ocean	N Atlantic	Iceland	rocks	bulk	NA	P	17	NA	8	-22	65	NA	Revel et al. (1996); Hemond et al. (1993)	Jeandel
MS27PT	Mediterranean Sea	Levantine Basin	Nile delta	marine sediment	decarb. sediment	NA	P	NA	0.5121	-9.7	29.47	31.81	NA	Revel et al. (2010, 2014, 2015)	Literature search
Assouan_island	Africa	Egypt	Nile River / PSA6	river sediment	bulk	NA	P	36.5	0.5128	3.4	32.88	24.2	NA	Revel et al. (2010)	Literature search
N05	Africa	Libya	NA	soil sediment	bulk	<30 μm	P	35.5	0.5119	-15.4	10.1	26.33	NA	Revel et al. (2010)	Literature search
N19	Africa	Libya	NA	soil sediment	bulk	<30 μm	P	35.1	0.512	-12.6	11.72	24.97	NA	Revel et al. (2010)	Literature search
N26	Africa	Libya	PSA4	soil sediment	bulk	<30 μm	P	50.3	0.5125	-3.8	16.57	25.58	NA	Revel et al. (2010)	Literature search
N35	Africa	Libya	NA	soil sediment	bulk	<30 μm	P	56.5	0.512	-13	13.4	28.5	NA	Revel et al. (2010)	Literature search
N36	Africa	Libya	NA	soil sediment	bulk	<30 μm	P	49.2	0.5119	-15.3	14.55	30.93	NA	Revel et al. (2010)	Literature search
Brown's Creek (BC-2 0.70 cm)	Australia	New South Wales and ACT	NA	soil sediment	bulk	NA	LGM	8	0.5122	-8	149	-32	NA	Revel-Rolland et al. (2006)	Literature search
Coober Pedy	Australia	S Australia	NA	soil sediment	bulk	NA	P	9	0.5122	-8	134	-29	NA	Revel-Rolland et al. (2006)	Literature search
Core E26.1 (E8-35 cm)	Australia	E Tasman Sea	NA	marine sediment	decarb. sediment	NA	LGM	42	0.5124	-4.6	168.33	-40.28	NA	Revel-Rolland et al. (2006)	Literature search
Lake Eye Basin	Australia	S Australia	NA	soil sediment	bulk	NA	P	5	0.5125	-2.9	137.5	-28	NA	Revel-Rolland et al. (2006)	Literature search
Lake Eyre (Shelly Island unit)	Australia	S Australia	NA	soil sediment	bulk	NA	LGM	64	0.5125	-3	137	-29	NA	Revel-Rolland et al. (2006)	Literature search
Lake Eyre Basin	Australia	S Australia	NA	soil sediment	bulk	NA	P	7	0.5125	-3.3	137.5	-27	NA	Revel-Rolland et al. (2006)	Literature search
Marryat	Australia	Northern Territory	NA	soil sediment	bulk	NA	P	9	0.5121	-11.5	131	-26	NA	Revel-Rolland et al. (2006)	Literature search

Simpson Desert (R7)	Australia	Northern Territory	NA	soil sediment	bulk	NA	P	6	0.5119	-15.4	134	-24	NA	Revel-Rolland et al. (2006)	Literature search
Simpson Desert (R8)	Australia	Northern Territory	NA	soil sediment	bulk	NA	P	10	0.5121	-10.8	133	-25	NA	Revel-Rolland et al. (2006)	Literature search
Uluru (Ayers Rocks)	Australia	Northern Territory	NA	soil sediment	bulk	NA	P	11	0.5121	-11	131	-25	NA	Revel-Rolland et al. (2006)	Literature search
Wagga Wagga (1)	Australia	New South Wales and ACT	NA	soil sediment	bulk	NA	P	8	0.5122	-9.4	147	-35	NA	Revel-Rolland et al. (2006)	Literature search
Wagga Wagga (2)	Australia	New South Wales and ACT	NA	soil sediment	bulk	NA	P	12	0.5122	-9	148	-34	NA	Revel-Rolland et al. (2006)	Literature search
Wagga Wagga (3)	Australia	New South Wales and ACT	NA	soil sediment	bulk	NA	P	8	0.5122	-8.8	149	-33	NA	Revel-Rolland et al. (2006)	Literature search
Wagga Wagga (4)	Australia	New South Wales and ACT	NA	soil sediment	bulk	NA	P	7	0.5122	-8.7	150	-32	NA	Revel-Rolland et al. (2006)	Literature search
Woomera	Australia	S Australia	NA	soil sediment	bulk	NA	P	12	0.5123	-6.6	136	-31	NA	Revel-Rolland et al. (2006)	Literature search
Durance 1	Europe	France	Durance river	river sediment	bulk	NA	P	30.7	0.512	-12.6	6.07	44.47	NA	Revillon et al. (2011)	Literature search
Durance 2	Europe	France	Durance river	river sediment	bulk	NA	P	25	0.5121	-11.5	5.91	44.34	NA	Revillon et al. (2011)	Literature search
KSGC31-90	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	marine sediment	detrital residue	NA	P	NA	NA	-11.07	3.3	43.01	NA	Revillon et al. (2011)	Literature search
KSGC32-20	Mediterranean Sea	Liguro-Balearic Basin	Gulf of Lyons	marine sediment	detrital residue	NA	P	NA	NA	-11.78	3.1	42.96	NA	Revillon et al. (2011)	Literature search
NA	Europe	France	Tet river	river sediment	bulk	NA	P	36.9	0.5121	-10.6	3.03	42.77	NA	Revillon et al. (2011)	Literature search
AB5	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.512	-13.42	161.69333	-73.77028	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ27	Antarctica	E Antarctica	Prince Albert Mts	rocks	bulk	NA	P	NA	0.512	-12.45	162.58333	-74.83333	13-2-86 B29	Rocchi et al., 1998	Cook-Williams

LZ58	Antarctica	E Antarctica	Prince Albert Mts	rocks	bulk	NA	P	NA	0.512	-13.23	162.58333	-74.83333	13-2-86 B29	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Prince Albert Mts	rocks	bulk	NA	P	NA	0.512	-12.84	162.61722	-75.0225	13-2-86 B29	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.5119	-14.01	162.66111	-73.72222	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Prince Albert Mts	rocks	bulk	NA	P	NA	0.512	-12.25	162.72139	-74.18028	13-2-86 B29	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.512	-12.84	163.00056	-73.71444	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.5119	-14.01	163.18278	-73.86361	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.512	-11.86	163.42139	-74.26361	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.5121	-10.88	163.50833	-74.47306	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.5123	-6.59	163.79167	-74.52861	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.512	-13.42	163.79944	-73.72972	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.5121	-10.3	163.82861	-73.59778	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.512	-13.42	163.92028	-73.76111	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.5121	-10.49	163.92028	-73.76111	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.5118	-15.76	163.9525	-73.50056	NA	Rocchi et al., 1998	Cook-Williams

LZ58	Antarctica	E Antarctica	Terra Nove Intrusives	rocks	bulk	NA	P	NA	0.512	-11.86	164.05556	-74.67722	1-2-89 CO19	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Terra Nove Intrusives	rocks	bulk	NA	P	NA	0.5121	-10.3	164.11028	-74.74556	1-2-89 CO19	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.5118	-16.35	164.2	-73.44944	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.5121	-10.88	164.34917	-73.4875	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.5125	-3.28	164.38889	-73.20722	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Deep Freeze Range	rocks	bulk	NA	P	NA	0.5123	-6.98	164.51889	-74.02778	31-1-88 C3	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.512	-13.23	164.5375	-73.94167	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Southern Cross Mountains	rocks	bulk	NA	P	NA	0.512	-12.06	164.89694	-73.59361	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.5119	-14.98	164.9125	-73.85278	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.5119	-14.59	165.06694	-74.04389	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5119	-14.79	165.35889	-73.89194	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.512	-13.42	165.37528	-73.57972	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5121	-11.08	165.41917	-73.68917	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5119	-14.59	165.53361	-73.71083	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5119	-13.62	165.76333	-73.8775	NA	Rocchi et al., 1998	Cook-Williams

LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.512	-11.67	165.77222	-74.4125	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5121	-11.47	165.78639	-73.70778	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Northern Victoria Land, Ross Sea side	rocks	bulk	NA	P	NA	0.512	-12.64	165.7875	-74.39722	Peraluminous leucogranites	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.512	-13.42	165.97667	-73.28028	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5121	-11.28	165.99194	-73.45444	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5119	-13.62	166.16417	-73.41	NA	Rocchi et al., 1998	Cook-Williams
LZ58	Antarctica	E Antarctica	Mountaineer range	rocks	bulk	NA	P	NA	0.5122	-8.15	166.46028	-73.40528	NA	Rocchi et al., 1998	Cook-Williams
Antarctic (Dronning Maud)	Southern Ocean	E Antarctica	Dronning Maud	marine sediment	detrital residue	NA	P	59.93	NA	-14	20	-70	NA	Roy et al. (2007)	Jeandel
Antarctic (Pryzd Bay)	Southern Ocean	E Antarctica	Pryzd Bay	marine sediment	detrital residue	NA	P	39.43	NA	-18.8	60	-65	NA	Roy et al. (2007)	Jeandel
Antarctic (Ross Sea)	Southern Ocean	W Antarctica	Ross Sea	marine sediment	detrital residue	NA	P	46.1	NA	-6.8	170	-70	NA	Roy et al. (2007)	Jeandel
Antarctic (Weddell Sea)	Southern Ocean	E Antarctica	Weddell Sea	marine sediment	detrital residue	NA	P	69.9	NA	-8	-40	-75	NA	Roy et al. (2007)	Jeandel
Antarctic (West Antarctic)	Southern Ocean	W Antarctica	NA	marine sediment	detrital residue	NA	P	52.9	NA	-3.7	-120	-70	NA	Roy et al. (2007)	Jeandel
Antarctic (Wilkes Land)	Southern Ocean	E Antarctica	Wilkes Land	marine sediment	detrital residue	NA	P	47.43	NA	-14.3	120	-65	NA	Roy et al. (2007)	Jeandel
ELT05-20	Southern Ocean	W Antarctica	Antarctic Peninsula	marine sediment	detrital residue	<63 μm	P	38.1	0.5125	-3.3	-74.78	-67.18	2926	Roy et al. (2007)	Literature search
ELT05-22	Southern Ocean	W Antarctica	Antarctic Peninsula	marine sediment	detrital residue	<63 μm	P	40.7	0.5127	0.92	-70.25	-65.95	373	Roy et al. (2007)	Literature search
ELT11-17	Southern Ocean	W Antarctica	NA	marine sediment	detrital residue	<63 μm	P	38.1	0.5124	-4.64	-106.64	-70.17	3456	Roy et al. (2007)	Literature search

ELT11-18e	Southern Ocean	W Antarctica	NA	marine sediment	detrital residue	<63 μm	P	47.1	0.5124	-4.66	-102.82	-70.14	3786	Roy et al. (2007)	Literature search
ELT11-19	Southern Ocean	W Antarctica	NA	marine sediment	detrital residue	<63 μm	P	55.1	0.5125	-3.28	-99.25	-70.42	3808	Roy et al. (2007)	Literature search
ELT33-11	Southern Ocean	W Antarctica	NA	marine sediment	detrital residue	<63 μm	P	58.1	0.5125	-2.65	-122.26	-70.1	3639	Roy et al. (2007)	Literature search
ELT33-12	Southern Ocean	W Antarctica	NA	marine sediment	detrital residue	<63 μm	P	66.1	0.5124	-5.46	-120.17	-70	2615	Roy et al. (2007)	Literature search
ELT37-06	Southern Ocean	E Antarctica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	34.1	0.5118	-17	145.02	-66.08	201	Roy et al. (2007)	Literature search
ELT37-09e	Southern Ocean	E Antarctica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	37.7	0.5118	-20.4	141.1	-65.55	1308	Roy et al. (2007)	Literature search
ELT37-10	Southern Ocean	E Antarctica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	42.8	0.5118	-16.1	137.88	-65.22	2249	Roy et al. (2007)	Literature search
ELT37-13	Southern Ocean	E Antarctica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	74.6	0.5119	-14.9	132.98	-64.67	1333	Roy et al. (2007)	Literature search
ELT42-09	Southern Ocean	W Antarctica	Antarctic Peninsula	marine sediment	detrital residue	<63 μm	P	55.1	0.5124	-4.3	-80.4	-69.99	567	Roy et al. (2007)	Literature search
ELT47-07e	Southern Ocean	E Antarctica	Pryzd Bay	marine sediment	detrital residue	<63 μm	P	47.3	0.5115	-21.3	77.9	-66.66	1425	Roy et al. (2007)	Literature search
ELT50-18	Southern Ocean	E Antarctica	Wilkes Land	marine sediment	detrital residue	<63 μm	P	47.8	0.512	-12.3	119.98	-64.43	3120	Roy et al. (2007)	Literature search
IO1277-25	Southern Ocean	E Antarctica	Dronning Maud	marine sediment	detrital residue	<63 μm	P	65.4	0.5121	-11	10.97	-68.61	2015	Roy et al. (2007)	Hemming/Cook-Williams
IO1277-25	Southern Ocean	E Antarctica	Dronning Maud	marine sediment	detrital residue	<63 μm	P	65.4	0.5121	-11	10.97	-68.61	2015	Roy et al. (2007)	Hemming/Cook-Williams
IO1277-41e	Southern Ocean	E Antarctica	Dronning Maud	marine sediment	detrital residue	<63 μm	P	94.7	0.5119	-15	-5.08	-70	1873	Roy et al. (2007)	Hemming/Cook-Williams
IO1277-41e	Southern Ocean	E Antarctica	Dronning Maud	marine sediment	detrital residue	<63 μm	P	94.7	0.5119	-15	-5.08	-70	1873	Roy et al. (2007)	Hemming/Cook-Williams
IO1578-48e	Southern Ocean	E Antarctica	Weddell Sea	marine sediment	detrital residue	<63 μm	P	65.1	0.5122	-8.5	-20.01	-62	4890	Roy et al. (2007)	Hemming/Cook-Williams
IO1578-48e	Southern Ocean	E Antarctica	Weddell Sea	marine sediment	detrital residue	<63 μm	P	65.1	0.5122	-8.5	-20.01	-62	4890	Roy et al. (2007)	Hemming/Cook-Williams
ODP188-1166e	Southern Ocean	E Antarctica	Pryzd Bay	marine sediment	detrital residue	<63 μm	P	NA	0.5117	-17.7	74.47	-67.41	480	Roy et al. (2007)	Literature search

RC17-51	Southern Ocean	E Antarctica	Pryzd Bay	marine sediment	detrital residue	<63 μm	P	30.9	0.5117	-19.2	60.68	-65.65	3676	Roy et al. (2007)	Literature search
Gulf of Aden	Africa	Djibouti	Gulf of Aden	rocks	bulk	NA	P	24.5	NA	6.2	42.5	11.6	NA	Schilling et al. (1992)	Jeandel
Gulf of Aden	Africa	Arabia	Gulf of Aden	rocks	bulk	NA	P	10	NA	10	48	12	NA	Schilling et al. (1992)	Jeandel
V-55 (900m)	Indian Ocean	NW Indian Ocean	Gulf of Aden	marine sediment	bulk	NA	P	29.6	NA	6.3	43.15	11.6	NA	Schilling et al. (1992)	Jeandel
Jan-Mayen	Atlantic Ocean	N Atlantic	Jan-Mayen Islands	rocks	bulk	NA	P	41	NA	5	-8	71	NA	Schilling et al. (1999)	Jeandel
NA	Antarctica	E Antarctica	Bunger Hills	rocks	bulk	NA	P	NA	0.5115	-22.16	100.88	-66.17	NA	Sheraton et al. (1990)	Cook-Williams
NA	Antarctica	E Antarctica	Bunger Hills	rocks	bulk	NA	P	NA	0.5104	-43.58	100.88	-66.17	NA	Sheraton et al. (1990)	Cook-Williams
NA	Antarctica	E Antarctica	Bunger Hills	rocks	bulk	NA	P	NA	0.5119	-14.81	100.88	-66.17	NA	Sheraton et al. (1990)	Cook-Williams
NA	Antarctica	E Antarctica	Bunger Hills	rocks	bulk	NA	P	NA	0.5114	-23.45	100.88	-66.17	NA	Sheraton et al. (1990)	Cook-Williams
NA	Antarctica	E Antarctica	Bunger Hills	rocks	bulk	NA	P	NA	0.5116	-20.48	100.88	-66.17	NA	Sheraton et al. (1990)	Cook-Williams
143R-1 (3640m)	Pacific Ocean	E Pacific	Costa Rica rift	marine sediment	bulk	NA	P	5.44	NA	9.8	-83	3	NA	Shimizu et al. (1989)	Jeandel
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-7.2	23	-72		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-2.3	25	-72		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-9.7	27	-72		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-8.3	31	-73		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-10.5	36	-72		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-8.1	37	-70		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-29.6	39	-70		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-22	39	-70		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-4.9	40	-69		Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-5.2	40	-69		Shiraishi et al., 2008	Williams

NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-5.7	40	-69	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-4.1	40	-69	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-20.2	40	-70	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-3.3	41	-69	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-6.8	42	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-7.6	43	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-7	45	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-37.6	46	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-12.5	46	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-42.4	49	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-37.7	49	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-38.2	49	-69	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-55	49	-67	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-30.1	49	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-25.9	50	-68	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-32.3	50	-67	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-37.7	51	-67	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-59.6	52	-67	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-57.7	52	-67	Shiraishi et al., 2008	Williams
NA	Antarctica	East Antarctica	Dronning Maud Land	marine sediment	NA	NA	P	NA	NA	-12.6	52	-69	Shiraishi et al., 2008	Williams

BC361	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	>150 μm	P	NA	0.5124	-4.8	-76.55	-71.99	633	Simoes-Perreira et al. (2018)	Cook-Williams
BC364	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	63 μm-2mm	P	NA	0.5123	-7.24	-83.44	-72.98	1010	Simoes-Perreira et al. (2018)	Cook-Williams
BC369	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	150 μm-2mm	P	NA	0.5124	-5.44	-82.86	-71.58	587	Simoes-Perreira et al. (2018)	Cook-Williams
BC407	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.52	-115.24	-73.21	815	Simoes-Perreira et al. (2018)	Cook-Williams
BC407	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5125	-2.62	-115.24	-73.21	815	Simoes-Perreira et al. (2018)	Cook-Williams
BC412	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	63 μm-2mm	P	NA	0.5125	-2.76	-115.86	-73.92	1128	Simoes-Perreira et al. (2018)	Cook-Williams
BC420	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.32	-112.86	-74.14	806	Simoes-Perreira et al. (2018)	Cook-Williams
BC421	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.71	-113.71	-73.62	833	Simoes-Perreira et al. (2018)	Cook-Williams
BC431	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.92	-118.16	-72.3	512	Simoes-Perreira et al. (2018)	Cook-Williams
BC433	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	150 μm-2mm	P	NA	0.5125	-2.59	-118.31	-71.56	1722	Simoes-Perreira et al. (2018)	Cook-Williams
BC442	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	151 μm-2mm	P	NA	0.5125	-3.37	-113.01	-71.68	608	Simoes-Perreira et al. (2018)	Cook-Williams
BC451	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	152 μm-2mm	P	NA	0.5124	-4.07	-106.04	-71.87	568	Simoes-Perreira et al. (2018)	Cook-Williams
BC455	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5124	-4.35	-105.08	-71.07	807	Simoes-Perreira et al. (2018)	Cook-Williams
BC455	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5124	-4.34	-105.08	-71.07	807	Simoes-Perreira et al. (2018)	Cook-Williams

BC459	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	>150 μm	P	NA	0.5123	-6.18	-86.25	-70.61	676	Simoes-Perreira et al. (2018)	Cook-Williams
BC470	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	NA	P	NA	0.5124	-4.55	-76.39	-69.09	670	Simoes-Perreira et al. (2018)	Cook-Williams
BC476	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5123	-6.03	-104.42	-74.48	1120	Simoes-Perreira et al. (2018)	Cook-Williams
BC482	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5124	-4.67	-106.27	-73.89	1113	Simoes-Perreira et al. (2018)	Cook-Williams
BC485	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	150 μm-2mm	P	NA	0.5124	-4.16	-107.29	-72.73	692	Simoes-Perreira et al. (2018)	Cook-Williams
BC492	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.18	-119.96	-71.15	2073	Simoes-Perreira et al. (2018)	Cook-Williams
DF83 PC31	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	>63 μm	P	NA	0.512	-11.86	-154.1	-76.6	713	Simoes-Perreira et al. (2018)	Cook-Williams
DF83-III BC26A	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	>63 μm	P	NA	0.5121	-10.58	-155.62	-76.95	1353	Simoes-Perreira et al. (2018)	Cook-Williams
DF83-III BC28	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	>63 μm	P	NA	0.5121	-10.79	-152.48	-76.83	1024	Simoes-Perreira et al. (2018)	Cook-Williams
DF83-III BC33	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	NA	P	NA	0.5121	-10.89	-156.4	-76.63	770	Simoes-Perreira et al. (2018)	Cook-Williams
DF85 96-1	Southern Ocean	W Antarctica	eastern Amundsen Sea	marine sediment	detrital residue	NA	H	NA	NA	-3.28	-103.65	-73.44	NA	Simoes-Perreira et al. (2018)	Cook-Williams
DF8648	Southern Ocean	W Antarctica	Antartic Peninsula	marine sediment	detrital residue	NA	P	NA	0.5128	2.2	-59.74	-62.68	1234	Simoes-Perreira et al. (2018)	Cook-Williams
ELT05-20	Southern Ocean	W Antarctica	Antarctic Peninsula	marine sediment	detrital residue	NA	H	NA	NA	-3.61	-74.78	-67.18	NA	Simoes-Perreira et al. (2018)	Cook-Williams
ELT05-22	Southern Ocean	W Antarctica	Antarctic Peninsula	marine sediment	detrital residue	NA	H	NA	NA	0.92	-70.25	-65.95	NA	Simoes-Perreira et al. (2018)	Cook-Williams

ELT11-18	Southern Ocean	W Antarctica	eastern Amundsen Sea	marine sediment	detrital residue	NA	H	NA	NA	-4.66	-102.82	-70.14	NA	Simoes-Perreira et al. (2018)	Cook-Williams
ELT11-19	Southern Ocean	W Antarctica	eastern Amundsen Sea	marine sediment	detrital residue	NA	H	NA	NA	-3.28	-99.25	-70.42	NA	Simoes-Perreira et al. (2018)	Cook-Williams
ELT33-12	Southern Ocean	W Antarctica	western Amundsen Sea	marine sediment	detrital residue	NA	H	NA	NA	-5.46	-120.17	-70	NA	Simoes-Perreira et al. (2018)	Cook-Williams
ELT42-09	Southern Ocean	W Antarctica	Bellingshausen Sea	marine sediment	detrital residue	NA	H	NA	NA	-4.25	-80.39	-69.99	NA	Simoes-Perreira et al. (2018)	Cook-Williams
GC362	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	NA	P	NA	0.5123	-5.64	-80.83	-72.6	846	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0001 KC17	Southern Ocean	W Antarctica	Wrigley Gulf-Hobbs Coast	marine sediment	detrital residue	NA	P	NA	0.5127	0.29	-123.53	-73.79	891	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0001 KC21	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.79	-115.84	-74.03	1049	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0001 KC24	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5127	0.43	-113.18	-74.17	301	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0001 PC14	Southern Ocean	W Antarctica	Wrigley Gulf-Hobbs Coast	marine sediment	detrital residue	>150 μm	P	NA	0.5127	0.32	-128.32	-73.11	591	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0001 PC22	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5125	-2.35	-115.46	-74.06	1171	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0702	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5125	-2.97	-117.3	-74.02	350	Simoes-Perreira et al. (2018)	Cook-Williams
NBP0702	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5125	-2.46	-111.9	-74.21	343	Simoes-Perreira et al. (2018)	Cook-Williams
NBP9601 JTC11	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	NA	P	NA	0.5121	-11.47	-155.44	-76.78	392	Simoes-Perreira et al. (2018)	Cook-Williams
NBP9601 PC12	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	NA	P	NA	0.5121	-10.95	-152.85	-76.74	881	Simoes-Perreira et al. (2018)	Cook-Williams

NBP9601 TC13	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	NA	P	NA	0.5121	-11.22	-153.36	-76.65	739	Simoes-Perreira et al. (2018)	Cook-Williams
NBP9902 Grab20	Southern Ocean	W Antarctica	Sulzberger Bay	marine sediment	detrital residue	NA	P	NA	0.5121	-11.31	-154.82	-76.41	458	Simoes-Perreira et al. (2018)	Cook-Williams
NBP9902 PC21	Southern Ocean	W Antarctica	Wrigley Gulf-Hobbs Coast	marine sediment	detrital residue	>150 μm	P	NA	0.5126	-0.54	-127.79	-74.08	702	Simoes-Perreira et al. (2018)	Cook-Williams
NBP9902 TC23	Southern Ocean	W Antarctica	Wrigley Gulf-Hobbs Coast	marine sediment	detrital residue	NA	P	NA	0.5127	0.57	-127.86	-73.78	726	Simoes-Perreira et al. (2018)	Cook-Williams
PS25241	Southern Ocean	W Antarctica	Antartic Peninsula	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-3.61	-74.78	-67.18	2926	Simoes-Perreira et al. (2018)	Cook-Williams
PS25433	Southern Ocean	W Antarctica	Bellingshausen	marine sediment	detrital residue	NA	P	NA	0.5123	-6.89	-89.36	-70.95	537	Simoes-Perreira et al. (2018)	Cook-Williams
PS25451	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5126	-1.66	-121.95	-73.16	636	Simoes-Perreira et al. (2018)	Cook-Williams
PS69/2511	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5124	-4.71	-104.81	-72.11	573	Simoes-Perreira et al. (2018)	Cook-Williams
PS69/2553	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	150 μm-2mm	P	NA	0.5124	-4.61	-104.36	-71.8	654	Simoes-Perreira et al. (2018)	Cook-Williams
PS69/2752	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	>150 μm	P	NA	0.5125	-2.35	-117.55	-73.89	1517	Simoes-Perreira et al. (2018)	Cook-Williams
PS69/2813	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5125	-1.87	-110.21	-74.33	213	Simoes-Perreira et al. (2018)	Cook-Williams
PS69/2835	Southern Ocean	W Antarctica	western Admunsen Sea	marine sediment	detrital residue	150 μm-2mm	P	NA	0.5125	-2.86	-115.38	-72.76	612	Simoes-Perreira et al. (2018)	Cook-Williams
PS69/2991	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	150 μm-2mm	P	NA	0.5125	-3.28	-103.65	-73.44	718	Simoes-Perreira et al. (2018)	Cook-Williams
PS75/1302	Southern Ocean	W Antarctica	Wrigley Gulf-Hobbs Coast	marine sediment	detrital residue	>150 μm	P	NA	0.5127	1.14	-134.15	-74.45	793	Simoes-Perreira et al. (2018)	Cook-Williams

PS75/1331	Southern Ocean	W Antarctica	Wrigley Gulf-Hobbs Coast	marine sediment	detrital residue	>150 μm	P	NA	0.5127	1.26	-133.08	-74.34	474	Simoes-Perreira et al. (2018)	Cook-Williams
PS75/1591	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	63 μm-2mm	P	NA	0.5123	-7.24	-102.36	-74.8	1046	Simoes-Perreira et al. (2018)	Cook-Williams
PS75/1681	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	63 μm-2mm	P	NA	0.5124	-4.52	-105.87	-74.61	652	Simoes-Perreira et al. (2018)	Cook-Williams
PS75/1922	Southern Ocean	W Antarctica	eastern Admunsen Sea	marine sediment	detrital residue	NA	P	NA	0.5124	-4.49	-103.33	-71.74	793	Simoes-Perreira et al. (2018)	Cook-Williams
Comoros	Indian Ocean	W Indian	Comoros	rocks	bulk	NA	P	41.9	NA	3.4	44	-12	NA	Spaeth et al. (1996)	Jeandel
NBP01-01 JPC Sites (nb from base of cores)	NA	NA	NA	marine sediment	NA	NA	P	NA	NA	-23.4	143	-67		Stefanie Brachfeld Nd data	Williams
NBP01-01 JPC Sites (nb from base of cores)	NA	NA	NA	marine sediment	NA	NA	P	NA	NA	-18.4	77	-69		Stefanie Brachfeld Nd data	Williams
NBP01-01 JPC Sites (nb from base of cores)	NA	NA	NA	marine sediment	NA	NA	P	NA	NA	-16.5	73	-68		Stefanie Brachfeld Nd data	Williams
NBP01-01 JPC Sites (nb from base of cores)	NA	NA	NA	marine sediment	NA	NA	P	NA	NA	-19	66	-67		Stefanie Brachfeld Nd data	Williams
Andean Austral Zone	America	Chile	NA	rocks	bulk	NA	P	18.3	NA	-1.4	-73.55	-49.75	NA	Stern & Kilian (1996)	Jeandel
Andean Austral Zone	America	Chile	NA	rocks	bulk	NA	P	15.7	NA	1.1	-73.4	-52.33	NA	Stern & Kilian (1996)	Jeandel

Andean Austral Zone	America	Chile	NA	rocks	bulk	NA	P	28.1	NA	9.8	-70.24	-54.95	NA	Stern & Kilian (1996)	Jeandel
MET3901-008/000	Atlantic Ocean	NE Atlantic	NA	marine sediment	detrital residue	bulk	P	NA	NA	-10.6	-7.07	36.38	577	Stumpf et al. (2010)	Literature search
MET3901-036/000	Atlantic Ocean	NE Atlantic	NA	marine sediment	detrital residue	bulk	P	NA	NA	-10.5	-9.68	37.81	1745	Stumpf et al. (2010)	Literature search
MET3901-058/000	Atlantic Ocean	NE Atlantic	NA	marine sediment	detrital residue	bulk	P	NA	NA	-9.7	-10.68	39.04	1974	Stumpf et al. (2010)	Literature search
AP01	Mediterranean Sea	Ionian Basin	NA	marine sediment	detrital residue	NA	P	21.5	NA	-11.8	19.12	39.22	NA	Tachikawa et al (2004)	Literature search
MD84,-641	Mediterranean Sea	Levantine Basin	NA	marine sediment	detrital residue	NA	P	18.7	NA	-6.1	33.63	33.03	NA	Tachikawa et al (2004)	Literature search
MST1	Mediterranean Sea	Aegean Basin	Aegean Sea	marine sediment	detrital residue	NA	P	18.1	NA	-7.6	25.2	36.17	NA	Tachikawa et al (2004)	Literature search
MT15	Mediterranean Sea	Liguro-Balearic Basin	Balearic Sea	marine sediment	detrital residue	NA	P	22.4	NA	-12.5	4.5	38.88	NA	Tachikawa et al (2004)	Literature search
SL73	Mediterranean Sea	Aegean Basin	Aegean Sea	marine sediment	detrital residue	NA	P	17	NA	-8.4	24.52	39.67	NA	Tachikawa et al (2004)	Literature search
SL9	Mediterranean Sea	Levantine Basin	NA	marine sediment	detrital residue	NA	P	16.2	NA	-10.3	31.67	34.28	NA	Tachikawa et al (2004)	Literature search
St-B	Mediterranean Sea	Alboran Basin	NA	trap sample	bulk	>0.63 μm	P	NA	NA	-11.4	-4.24	36.21	NA	Tachikawa et al (2004)	Literature search
St-C	Mediterranean Sea	Alboran Basin	NA	trap sample	bulk	>0.63 μm	P	NA	NA	-11	-4.26	36	NA	Tachikawa et al (2004)	Literature search
S-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	bulk	NA	P	15	NA	-38	-34	67	NA	Taylor et al. (1992)	Jeandel
S-E_Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	bulk	NA	P	15	NA	-38	-34	65	NA	Taylor et al. (1992)	Jeandel
N-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	bulk	NA	P	32.02	NA	-29.8	-27	72.3	NA	Thrane (2002)	Jeandel
N-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	NA	NA	P	32.02	NA	-29.8	-27	72.3		Thrane (2002)	Jeandel
N-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	bulk	NA	P	32.02	NA	-29.8	-27	71	NA	Thrane (2002)	Jeandel
N-E Greenland	Atlantic Ocean	N Atlantic	Greenland	rocks	NA	NA	P	32.02	NA	-29.8	-27	71		Thrane (2002)	Jeandel
64PE304-47	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-11.2	41.33	-14.58	2804	Van der Lubbe et al. (2015)	Literature search

64PE304-56	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-14.4	41.32	-16.85	2652	Van der Lubbe et al. (2015)	Literature search
64PE304-66	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-15.1	40.05	-16.53	1103	Van der Lubbe et al. (2015)	Literature search
64PE304-68	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-15.2	40.03	-16.5	756	Van der Lubbe et al. (2015)	Literature search
64PE304-82	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-15.3	37.4	-18.88	939	Van der Lubbe et al. (2015)	Literature search
64PE304-86	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-14.7	36.87	-19.35	197	Van der Lubbe et al. (2015)	Literature search
64PE304-88	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-15.7	36.9	-19.37	410	Van der Lubbe et al. (2015)	Literature search
GIK16155-1	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-16.1	35.9	-20.87	836	Van der Lubbe et al. (2015)	Literature search
GIK16156-1	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-16.5	36.41	-18.94	NA	Van der Lubbe et al. (2015)	Literature search
GIK16156-5	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-16.2	36.4	-18.94	24	Van der Lubbe et al. (2015)	Literature search
GIK16157-4	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-17.7	36.54	-18.72	18	Van der Lubbe et al. (2015)	Literature search
GIK16158-2	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-16.6	37.97	-17.55	25	Van der Lubbe et al. (2015)	Literature search
GIK16159-1	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-16.4	37.92	-17.76	55	Van der Lubbe et al. (2015)	Literature search
GIK16160-1	Indian Ocean	SW Indian	Mozambique Shelf	marine sediment	detrital residue	<2 μm	P	NA	NA	-15.8	37.87	-18.24	1343	Van der Lubbe et al. (2015)	Literature search
Zambezi sands	Africa	Zambia	Victoria Falls	river sediment	detrital residue	>63 μm	P	NA	NA	-6	24.29	-17.47	NA	Van der Lubbe et al. (2015)	Literature search

C American arc	Pacific Ocean	E Pacific	NA	rocks	bulk	NA	P	21	NA	1.5	-97.34	19.83	NA	Verma (2000)	Jeandel
Batan	Pacific Ocean	W Pacific	Indonesia	rocks	bulk	NA	P	5.66	NA	-2.8	121.9	20.25	NA	Vidal et al. (1989)	Jeandel
Greenland stream 110526	Atlantic Ocean	N Atlantic	Greenland	river sediment	bulk	NA	P	45.7	NA	-24.2	-49.48	65.1	NA	Von Blanckenburg & Nagler (2001)	Jeandel
Greenland stream 110528	Atlantic Ocean	N Atlantic	Greenland	river sediment	bulk	NA	P	54.26	NA	-33	-49.56	65.07	NA	Von Blanckenburg & Nagler (2001)	Jeandel
Greenland stream 1105862	Atlantic Ocean	N Atlantic	Greenland	river sediment	NA	NA	P	82.7	NA	-34.3	-50.07	65.1		Von Blanckenburg & Nagler (2001)	Jeandel
Greenland stream 1105894	Atlantic Ocean	N Atlantic	Greenland	river sediment	NA	NA	P	39.9	NA	-26.1	-49.53	65.08		Von Blanckenburg & Nagler (2001)	Jeandel
East Seram	Pacific Ocean	W Pacific	Papua New Guinea	marine sediment	decarb. sediment	NA	P	24	NA	-8.7	132	-4	NA	Vroon et al. (1995)	Jeandel
East Serua	Indian Ocean	E Indian Ocean	Indonesia	marine sediment	decarb. sediment	NA	P	21.5	NA	-8.1	132	-7	NA	Vroon et al. (1995)	Jeandel
East Timor	Indian Ocean	E Indian Ocean	Indonesia	marine sediment	decarb. sediment	NA	P	20.4	NA	-9.5	128	-9	NA	Vroon et al. (1995)	Jeandel
D-ORC-15	Southern Ocean	E Antarctica	Weddell Sea	marine sediment	detrital residue	NA	P	23.98	0.5123	-6.2	-45.7	-61.58	290	Walter et al. (2000)	Cook-Williams/External contribution
PS1016-1	Southern Ocean	W Antarctica	Weddell Sea	marine sediment	detrital residue	NA	P	18.56	0.5121	-10.4	-40.83	-77.26	702	Walter et al. (2000)	Cook-Williams/External contribution
PS1490-2	Southern Ocean	E Antarctica	Weddell Sea	marine sediment	detrital residue	NA	P	10.64	0.5122	-7.7	-35.08	-74.68	497	Walter et al. (2000)	Cook-Williams/External contribution

PS1537-2*	Southern Ocean	W Antarctica	West Antarctic Peninsula	marine sediment	detrital residue	NA	P	11.27	0.5127	1.5	-55.87	-61.98	1812	Walter et al. (2000)	Cook-Williams/External contribution
PS1563-1	Southern Ocean	W Antarctica	West Antarctic Peninsula	marine sediment	detrital residue	NA	P	14.1	0.5126	-1.1	-68.46	-64.78	2800	Walter et al. (2000)	Cook-Williams/External contribution
PS1563-1	Southern Ocean	W Antarctica	West Antarctic Peninsula	marine sediment	detrital residue	NA	H	16.16	0.5124	-4.4	-45.29	-53.55	3471	Walter et al. (2000)	Cook-Williams/External contribution
PS2805-1*	Southern Ocean	W Antarctica	Weddell Sea/ W Antarctica Peninsula	marine sediment	detrital residue	NA	P	21.2	0.5123	-5.7	-56.53	-66.09	466	Walter et al. (2000)	Cook-Williams/External contribution
NA	Southern Ocean	Kerguelen	NA	rocks	bulk	NA	P	25	NA	0	69	-49	NA	Weis et al. (1998); Doucet et al. (2005)	Jeandel
966A	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-6.81	32.7	33.81	NA	Weldeab et al. (2002a)	Scheuvens
968A	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-6.36	32.75	34.34	NA	Weldeab et al. (2002a)	Scheuvens
969A	Mediterranean Sea	Levantine Basin	S of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-11.24	24.89	33.85	NA	Weldeab et al. (2002a)	Scheuvens
970A	Mediterranean Sea	Levantine Basin	S of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-10.94	24.8	33.74	NA	Weldeab et al. (2002a)	Scheuvens
971A	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-11.08	24.69	33.73	NA	Weldeab et al. (2002a)	Scheuvens
KL49	Mediterranean Sea	Aegean Basin	Sea of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-8.37	25.57	36.15	NA	Weldeab et al. (2002a)	Scheuvens
KL50	Mediterranean Sea	Aegean Basin	Sea of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-5.79	25.91	35.61	NA	Weldeab et al. (2002a)	Scheuvens
KL59	Mediterranean Sea	Ionian Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-11	22.67	35.82	NA	Weldeab et al. (2002a)	Scheuvens
KL60	Mediterranean Sea	Ionian Basin	S. of Sicily	marine sediment	decarb. sediment	bulk	P	NA	NA	-12.11	13.19	37.34	NA	Weldeab et al. (2002a)	Scheuvens
KL82	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-2.79	34.18	32.33	NA	Weldeab et al. (2002a)	Scheuvens
KL83	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-3.24	34.16	32.62	NA	Weldeab et al. (2002a)	Scheuvens

KL85	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-2.98	34.03	32.62	NA	Weldeab et al. (2002a)	Scheuvens
MC10	Mediterranean Sea	Ionian Basin	G. of Taranto	marine sediment	decarb. sediment	bulk	P	NA	NA	-10.01	17.04	40.14	NA	Weldeab et al. (2002a)	Scheuvens
MC21	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-9.34	28.57	33.61	NA	Weldeab et al. (2002a)	Scheuvens
MC22	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-9.48	29.46	33.25	NA	Weldeab et al. (2002a)	Scheuvens
MC23	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-5.25	30.61	32.69	NA	Weldeab et al. (2002a)	Scheuvens
MC24	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-3.28	31.18	32.33	NA	Weldeab et al. (2002a)	Scheuvens
MC25	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-3.8	31.89	32.02	NA	Weldeab et al. (2002a)	Scheuvens
MC35	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-1.03	34.85	33.03	NA	Weldeab et al. (2002a)	Scheuvens
MC38	Mediterranean Sea	Levantine Basin	NA	marine sediment	decarb. sediment	bulk	P	NA	NA	-3.82	32.63	34.44	NA	Weldeab et al. (2002a)	Scheuvens
MC515	Mediterranean Sea	Aegean Basin	Sporades B.	marine sediment	decarb. sediment	bulk	P	NA	NA	-7.63	23.73	39.28	NA	Weldeab et al. (2002a)	Scheuvens
MC521	Mediterranean Sea	Aegean Basin	Sea of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-8.21	25.28	35.82	NA	Weldeab et al. (2002a)	Scheuvens
MC522	Mediterranean Sea	Aegean Basin	Sea of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-8.43	25.44	35.85	NA	Weldeab et al. (2002a)	Scheuvens
MC531	Mediterranean Sea	Ionian Basin	S. of Otranto	marine sediment	decarb. sediment	bulk	P	NA	NA	-9.66	18.97	39.54	NA	Weldeab et al. (2002a)	Scheuvens
MC532	Mediterranean Sea	Ionian Basin	S. of Otranto	marine sediment	decarb. sediment	bulk	P	NA	NA	-9.62	19.01	39.96	NA	Weldeab et al. (2002a)	Scheuvens
MC533	Mediterranean Sea	Ionian Basin	G. of Messina	marine sediment	decarb. sediment	bulk	P	NA	NA	-11.18	16.16	37.01	NA	Weldeab et al. (2002a)	Scheuvens
MC536	Mediterranean Sea	Ionian Basin	G. of Messina	marine sediment	decarb. sediment	bulk	P	NA	NA	-10.9	16.01	37.4	NA	Weldeab et al. (2002a)	Scheuvens
SL67	Mediterranean Sea	Levantine Basin	SE of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-9.48	27.3	34.82	NA	Weldeab et al. (2002a)	Scheuvens
SL71	Mediterranean Sea	Ionian Basin	SW of Crete	marine sediment	decarb. sediment	bulk	P	NA	NA	-11.45	23.2	34.82	NA	Weldeab et al. (2002a)	Scheuvens
Gulf of Guinea	Atlantic Ocean	E Atlantic	Gulf of Guinea	marine sediment	detrital residue	NA	P	20.73	0.512	-11.8	5.49	3.62	NA	Weldeab et al. (2011)	Author contribution
MD03-2707	Atlantic Ocean	E Atlantic	Gulf of Guinea	marine sediment	detrital residue	NA	P	35.18	0.5118	-17.11	9.39	2.5	NA	Weldeab et al. (2011)	Author contribution
Ntem1	Africa	Cameroon	Ntem River	river sediment	bulk	NA	P	19	0.5111	-29.99	10.58	2.3	NA	Weldeab et al. (2011)	Author contribution

Ntem2	Africa	Cameroon	Ntem River	river sediment	bulk	NA	P	20	0.5113	-26.28	10.55	2.33	NA	Weldeab et al. (2011)	Author contribution
Nyong1	Africa	Cameroon	Nyong River	river sediment	bulk	NA	P	19	0.512	-12.76	12.23	3.75	NA	Weldeab et al. (2011)	Author contribution
Nyong2	Africa	Cameroon	Nyong River	river sediment	bulk	NA	P	17	0.512	-11.81	11.88	3.52	NA	Weldeab et al. (2011)	Author contribution
Nyong3	Africa	Cameroon	Nyong River	river sediment	bulk	NA	P	22	0.512	-13.06	12.23	3.75	NA	Weldeab et al. (2011)	Author contribution
Sanaga1	Africa	Cameroon	Sanaga River	river sediment	bulk	NA	P	31	0.512	-12.31	10.03	3.75	NA	Weldeab et al. (2011)	Author contribution
Sanaga2	Africa	Cameroon	Sanaga River	river sediment	bulk	NA	P	47	0.512	-12.71	11.18	4.27	NA	Weldeab et al. (2011)	Author contribution
Sanaga3	Africa	Cameroon	Sanaga River	river sediment	bulk	NA	P	39	0.512	-12.35	13.05	4.92	NA	Weldeab et al. (2011)	Author contribution
Sanaga4	Africa	Cameroon	Sanaga River	river sediment	bulk	NA	P	30	0.512	-12.03	13.05	4.92	NA	Weldeab et al. (2011)	Author contribution
Sanaga5	Africa	Cameroon	Sanaga River	river sediment	bulk	NA	P	35	0.512	-12.28	13.03	5.03	NA	Weldeab et al. (2011)	Author contribution
Buffels1	Africa	South Africa	Buffels River	river sediment	bulk	<125 μm	P	NA	0.5117	-18.2	17.71	-29.7	NA	Weldeab et al. (2013)	Author contribution
Buffels2	Africa	South Africa	Buffels River	river sediment	bulk	<125 μm	P	NA	0.5118	-17.05	17.52	-29.61	NA	Weldeab et al. (2013)	Author contribution
Dry	Africa	South Africa	Orange River	river sediment	bulk	<125 μm	P	NA	0.5117	-18.41	17.65	-28.8	NA	Weldeab et al. (2013)	Author contribution
GeoB8332-4	Atlantic Ocean	SE Atlantic	NA	marine sediment	decarb. sediment	<125 μm	P	NA	0.5121	-11.12	16.66	-29.13	NA	Weldeab et al. (2013)	Author contribution
Holgat	Africa	South Africa	Holgat River	river sediment	bulk	<125 μm	P	NA	0.5119	-13.97	16.77	-28.93	NA	Weldeab et al. (2013)	Author contribution
Olifants	Africa	South Africa	Olifants River	river sediment	bulk	<125 μm	P	NA	0.5121	-11.12	18.2	-31.68	NA	Weldeab et al. (2013)	Author contribution
Orange1	Africa	South Africa	Orange River	river sediment	bulk	>2 μm	P	NA	0.512	-11.78	16.47	-28.6	NA	Weldeab et al. (2013)	Author contribution
Orange2	Africa	South Africa	Orange River	river sediment	bulk	<20 μm	P	NA	0.512	-12.11	17.64	-28.77	NA	Weldeab et al. (2013)	Author contribution
Orange3	Africa	South Africa	Orange River	river sediment	bulk	>2 μm	P	NA	0.512	-12.58	16.47	-28.6	NA	Weldeab et al. (2013)	Author contribution
Orange4	Africa	South Africa	Orange River	river sediment	bulk	<120 μm	P	NA	0.512	-13.26	17.64	-28.77	NA	Weldeab et al. (2013)	Author contribution
Aleutians	America	Aleutian	NA	rocks	bulk	NA	P	12	NA	7.4	170	54	NA	White & Pachett (1984)	Jeandel

Antilles	Atlantic Ocean	W Atlantic	Carribean	rocks	bulk	NA	P	10	NA	5.5	-62	16	NA	White & Pachett (1984)	Jeandel
banda	Indian Ocean	E Indian Ocean	Indonesia	rocks	bulk	NA	P	11.5	NA	-3.3	122	-10	NA	White & Pachett (1984)	Jeandel
izu chain (japon)	Asia	Japan	NA	rocks	bulk	NA	P	12	NA	7.7	140	35	NA	White & Pachett (1984)	Jeandel
new britain	Pacific Ocean	W Pacific	Micronesia	rocks	bulk	NA	P	18	NA	7.4	150	10	NA	White & Pachett (1984)	Jeandel
Sunda	Asia	Indonesia	Jakarta	rocks	bulk	NA	P	21	NA	0	106	-6	NA	White & Pachett (1984)	Jeandel
GS7605-11 (2625m)	Atlantic Ocean	NW Atlantic	Antilles	marine sediment	bulk	NA	P	21.43	NA	-9.1	-59.64	14.72	NA	White and Dupre (1985)	Jeandel
GS7605-48 (2430m)	Atlantic Ocean	NW Atlantic	Antilles	marine sediment	bulk	NA	P	26.8	NA	-9.6	-60.35	13.03	NA	White and Dupre (1985)	Jeandel
GS7605-53 (1685m)	Atlantic Ocean	NW Atlantic	Antilles	marine sediment	bulk	NA	P	27.57	NA	-11.6	-59.37	12.55	NA	White and Dupre (1985)	Jeandel
RC16-168 (836m)	Atlantic Ocean	NW Atlantic	Antilles	marine sediment	bulk	NA	P	22.6	NA	-10.7	-48.4	3.4	NA	White and Dupre (1985)	Jeandel
RC16-44 (1639m)	Atlantic Ocean	NW Atlantic	Antilles	marine sediment	bulk	NA	P	29.3	NA	-13.3	-59.58	11.03	NA	White and Dupre (1985)	Jeandel
Bismarck New Britain	Pacific Ocean	SW Pacific	NA	rocks	bulk	NA	P	4.1	NA	8.3	150	-5	NA	Woodhead et al. (1998)	Jeandel
Witu Islands	Pacific Ocean	SW Pacific	Witu Islands	rocks	bulk	NA	P	15.67	NA	8.3	149.3	-5	NA	Woodhead et al. (1998)	Jeandel
EZ3	Africa	Algeria	In-Ezzane basalts	rocks	bulk	NA	P	39.43	0.513	7.28	10.83	23.17	NA	Yahiaoui et al. (2014)	Literature search
EZ4	Africa	Algeria	In-Ezzane basalts	rocks	bulk	NA	P	34.19	0.513	6.63	10.86	23.2	NA	Yahiaoui et al. (2014)	Literature search
EZ5-1	Africa	Algeria	In-Ezzane basalts	rocks	bulk	NA	P	39.43	0.513	7.2	10.86	23.09	NA	Yahiaoui et al. (2014)	Literature search

EZ5-2	Africa	Algeria	In-Ezzane basalts	rocks	bulk	NA	P	31.85	0.513	7	10.85	23.09	NA	Yahiaoui et al. (2014)	Literature search
135-81	Asia	Kamtchatka	C. Kurile (Simushir)	rocks	bulk	NA	P	10.76	NA	10.1	152	47	NA	Zhuravlev et al. (1987)	Jeandel
B-11-113/2	Asia	Kamtchatka	N. Kurile (Lovushki)	rocks	bulk	NA	P	5.22	NA	9.6	153.45	48.23	NA	Zhuravlev et al. (1987)	Jeandel
B-11-527	Asia	Kamtchatka	N. Kurile (Chirinkotan)	rocks	bulk	NA	P	20.37	NA	7.3	153.29	48.59	NA	Zhuravlev et al. (1987)	Jeandel
B-11-575	Asia	Kamtchatka	N. Kurile (Alaid volcano)	rocks	bulk	NA	P	18.18	NA	7.6	155.39	50.51	NA	Zhuravlev et al. (1987)	Jeandel
B-11-72/5	Asia	Kamtchatka	N. Kurile (Beliankin)	rocks	bulk	NA	P	17.18	NA	7.7	154.08	49.56	NA	Zhuravlev et al. (1987)	Jeandel
Reykjanes Peninsula	Europe	Iceland	NA	rocks	bulk	NA	P	8	0.5131	7.9	-22.2	63.94	NA	Zindler et al. (1979) in Revel et al. (1996)	Literature search