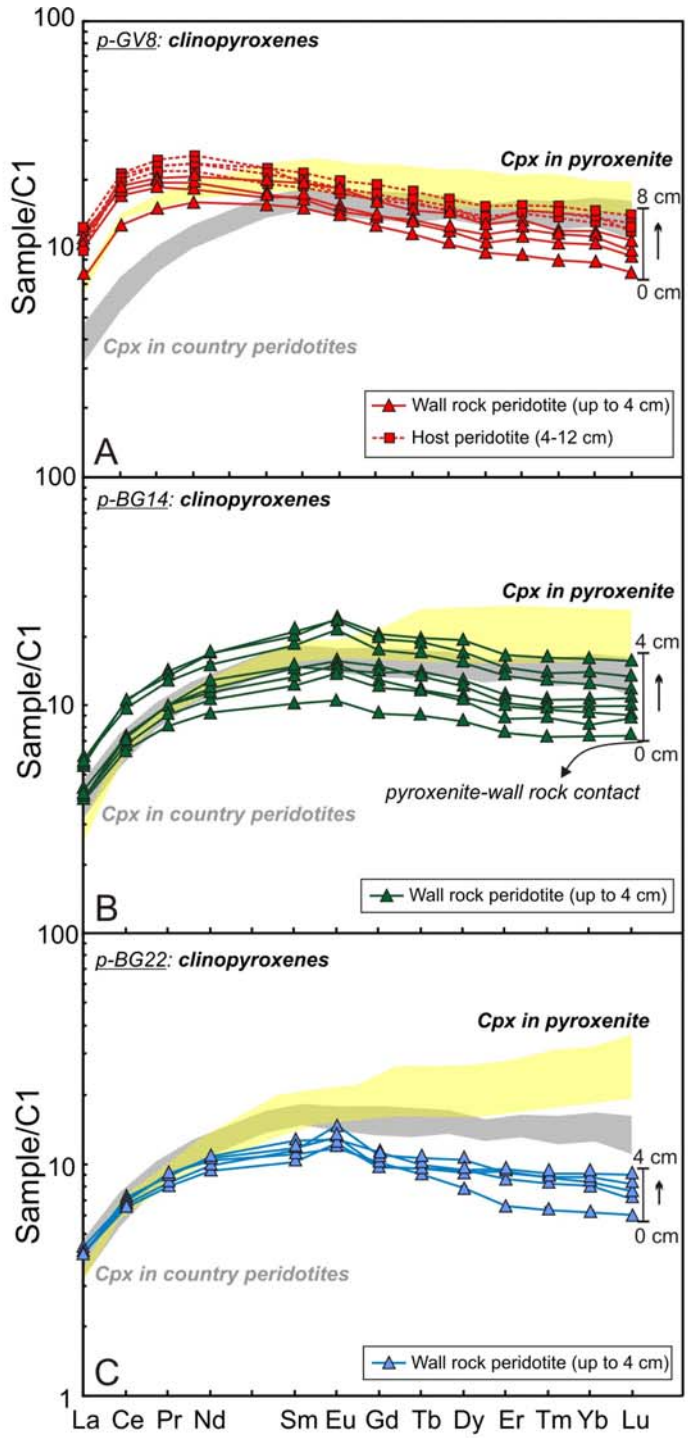
Isotopic Methods

Clinopyroxenes (90-150 µm sized) were separated by grinding, sieving, electromagnetic separation and handpicking under a microscope. Unleached concentrate weights were in the range of 25-82 mg. Clinopyroxenes were leached in at least three steps to eliminate Sr contamination, presumably due to seawater alteration. Dissolution and separation were performed using standard techniques. The Sr and Nd isotopic compositions and concentrations by isotope dilution were measured by thermal ionization mass spectrometry on a VG Sector 54-30 at the Lamont-Doherty Earth Observatory of Columbia University. The $^{87}Sr/^{86}Sr$ and $^{143}Nd/^{144}Nd$ ratios were normalized to $^{86}Sr/^{88}Sr = 0.1194$ and $^{146}Nd/^{144}Nd = 0.7219$, respectively, and reported relative to JNdi $^{143}Nd/^{144}Nd = 0.512115$ (Tanaka et al., 2000) and NBS987 $^{87}Sr/^{86}Sr = 0.710248$ (Thirlwall 1991). Samples, leachates and duplicates were analyzed during the course of 5 analytical sessions for Sr isotopes and 6 analytical sessions for Nd isotopes. Individual sample data were corrected to the standard values measured in the individual intervals. Repeated analyses of the NBS987 Sr standard during the 5 sessions yielded $^{87}Sr/^{86}Sr$ ratios of 0.710247 ±0.000014 (2σ, mean of 14 analyses, 20 ppm external reproducibility), 0.710272 ± 0.000009 (2σ, mean of 4 analyses, 12 ppm external reproducibility), 0.710266 ± 0.000008 (2σ, mean of 7 analyses, 12 ppm external reproducibility), 0.710263 ± 0.000018 (2σ, mean of 12 analyses, 25 ppm external reproducibility), 0.710263 ± 0.000011 (2σ, mean of 7 analyses, 16 ppm external reproducibility). Analyses of the JNdi-1 standard during the 6 sessions yielded $^{143}Nd/^{144}Nd$ ratios of 0.512080 ± 0.000009 (2σ, mean of 7 analyses, 34 ppm external reproducibility), 0.512074 ± 0.000010 (2σ, mean of 10 analyses, 18 ppm external reproducibility), 0.512075 ± 0.000012 (2σ, mean of 13 analyses, 23 ppm external reproducibility), 0.512088 ± 0.000014 (2σ, mean of 5 analyses, 27 ppm external reproducibility), 0.512096 ± 0.000013 (2σ, mean of 26 analyses, 25 ppm external reproducibility), 0.512095 ± 0.000010 (2σ, mean of 5 analyses, 20 ppm external reproducibility). Total Sr and Nd blanks did not exceed 150 pg.

Reference

Tanaka, T; Togashi, S; Kamioka, H; et al., 2000, JNdi-1: a neodymium isotopic reference in consistency with LaJolla neodymium: Chemical Geology, v. 168, p. 279-281.
Thirlwall, M.F., 1991, Long-term reproducibility of multicollector Sr and Nd isotope ratio analysis: Chemical Geology, v. 94, p. 85-104.



Supplementary Figure 1. Chondrite-normalized clinopyroxene REE patternsfor pyroxenite-peridotite profiles (A: GV8, B: BG14, C: BG22) and country peridotites, normalized to Anders and Grevesse (1989). The fields of clinopyroxene porphyroclasts from pyroxenites (yellow field) and country peridotites (light gray field) are reported for comparison. The bar at the right side of the REE patterns approximately indicates the distance of the in situ laser analyses from the pyroxenite-wall rock peridotite contact (Suppl. Table 4).

Anders, E., and Grevesse, N., 1989. Abundances of the elements: meteoric and solar: Geochimica et Cosmochimica Acta 53, 197-214.

TABLE DR1. WHOLE-ROCK MAJOR ELEMENT COMPOSITIONS

	Country-rock peridotites					*Host*		*Wall rock peridotites*					*Pyroxenites*		
Sampl	BG1	BG6	GV18	ERS2/2	MC7	BG3H	GV8H	BG8W	BG13W	BG14W	BG22W	GV8W	BG14P	BG22P	GV8P
SiO2	42.23	42.11	41.94	42.43	41.05	42.07	42.96	43.57	42.72	43.41	43.60	42.82	43.62	44.38	46.46
TiO2	0.13	0.11	0.11	0.11	0.13	0.15	0.19	0.18	0.15	0.15	0.16	0.16	0.34	0.35	0.45
Al2O3	3.15	3.17	3.25	3.58	3.01	3.51	3.69	4.02	3.72	4.03	3.94	3.46	13.86	12.75	11.50
Fe2O3	8.50	8.38	8.43	8.39	8.04	8.74	9.44	9.22	9.05	8.94	9.13	9.71	6.35	5.98	6.71
MnO	0.12	0.12	0.12	0.00	0.12	0.12	0.13	0.14	0.14	0.13	0.12	0.13	0.14	0.14	0.14
MgO	38.37	39.04	37.28	36.97	34.32	34.83	35.78	34.48	34.74	34.65	35.48	36.16	15.80	15.65	19.17
CaO	2.64	2.63	2.39	3.22	2.20	3.03	3.05	3.59	3.10	3.14	3.18	2.82	15.13	16.41	12.64
Na2O	0.17	0.18	0.16	0.25	0.08	0.11	0.25	0.20	0.20	0.13	0.14	0.20	0.33	0.34	0.52
K2O	0.00	0.01	0.01	0.00	0.00	0.01	0.02	0.05	0.03	0.03	0.04	0.02	0.28	0.18	0.07
P2O5	0.01	0.02	0.01	0.00	0.00	0.02	0.03	0.02	0.02	0.02	0.04	0.01	0.03	0.02	0.04
Cr2O3	0.30	0.29	0.36	0.41	0.32	0.30	0.31	0.26	0.31	0.32	0.31	0.30	0.13	0.12	0.17
LOI	5.03	4.89	6.01	4.66	9.24	6.29	4.08	3.95	5.27	5.04	5.12	4.54	4.98	4.66	3.13
Tot	100.65	100.95	100.07	100.02	98.51	99.18	99.93	99.68	99.44	99.99	101.26	100.32	101.00	100.98	100.99
Mg#	0.90	0.90	0.90	0.90	0.89	0.89	0.88	0.88	0.88	0.88	0.89	0.88	0.83	0.84	0.85

Whole-rock major element analyses were performed by lithium metaborate/tetraborate fusion ICP techniques at the Actlabs Laboratories (Western Ontario, Canada; http://www.actlabs.com).

TABLE DR2. REPRESENTATIVE MAJOR ELEMENT COMPOSITIONS OF SPINEL-FACIES MINERALS IN PERIDOTITES

sample	BG1 Country-rock peridotite				BG6 Country-rock peridotite				GV18 Country-rock peridotite				ERS2/2 Country-rock peridotite				GV8 Wall rock				GV8 Host				BG14 Wall rock				BG22 Wall rock			
phase	ol	opx	cpx	sp	ol	opx	cpx	sp	ol	opx	cpx	sp	ol	opx	cpx	sp	ol	opx	cpx	sp	ol	opx	cpx	sp	ol	opx	cpx	sp	ol	opx	cpx	sp
SiO2	40.77	54.46	50.12	0.00	41.05	53.96	49.94	0.00	40.83	55.98	51.03	0.00	40.86	56.04	49.98	0.00	40.77	53.22	49.60	0.00	40.89	53.45	49.72	0.00	40.81	53.68	50.35	0.00	40.77	53.98	50.12	0.00
TiO2	0.00	0.28	0.74	0.25	0.00	0.23	0.65	0.22	0.00	0.27	0.53	0.24	0.00	0.29	0.57	0.24	0.00	0.17	0.90	0.28	0.00	0.29	0.96	0.30	0.00	0.16	0.59	0.32	0.00	0.11	0.66	0.30
Al2O3	0.00	5.79	7.57	53.12	0.00	4.72	7.66	52.93	0.00	6.22	7.43	52.42	0.00	6.45	7.50	52.64	0.00	5.66	7.72	50.78	0.00	5.49	7.39	51.45	0.00	5.43	7.27	50.32	0.00	5.56	7.11	50.54
FeO	10.24	6.85	2.87	12.55	9.66	6.86	2.72	12.58	9.42	5.33	2.76	12.72	9.52	5.37	2.76	12.68	10.33	7.64	3.52	12.98	10.44	7.45	3.51	12.88	9.99	7.55	3.31	12.97	9.77	7.67	3.22	12.87
MnO	0.30	0.24	0.12	0.12	0.14	0.17	0.11	0.14	0.13	0.09	0.12	0.08	0.16	0.09	0.14	0.07	0.16	0.15	0.10	0.09	0.11	0.11	0.13	0.07	0.13	0.16	0.12	0.06	0.15	0.12	0.11	0.07
MgO	48.60	33.14	15.06	19.55	49.41	33.10	15.45	19.11	49.51	30.61	14.88	19.41	49.48	30.52	14.96	19.48	49.11	31.30	13.97	19.42	49.05	31.96	14.41	19.21	49.42	31.22	14.47	19.55	49.38	31.03	14.38	19.48
CaO	0.00	0.65	22.03	0.00	0.00	0.70	21.95	0.00	0.00	0.98	22.26	0.00	0.00	1.00	22.31	0.00	0.00	0.77	22.08	0.00	0.00	0.66	21.81	0.00	0.00	0.71	22.05	0.00	0.00	0.75	22.24	0.00
Na2O	0.00	0.00	0.80	0.00	0.00	0.01	0.82	0.00	0.00	0.04	0.92	0.00	0.00	0.03	0.94	0.00	0.00	0.03	0.81	0.00	0.00	0.04	0.94	0.00	0.00	0.03	0.93	0.00	0.00	0.04	0.96	0.00
Cr2O3	0.00	0.46	1.00	15.11	0.00	0.45	0.95	15.42	0.00	0.55	0.78	15.73	0.00	0.55	0.78	15.62	0.00	0.45	0.70	15.99	0.00	0.46	0.73	15.86	0.00	0.45	0.70	16.08	0.00	0.42	0.75	16.11
Total	99.91	101.87	100.31	100.70	100.26	100.20	100.25	100.40	99.89	100.07	100.71	100.60	100.02	100.34	99.94	100.73	100.37	99.39	99.40	99.54	100.49	99.91	99.60	99.77	100.35	99.39	99.79	99.30	100.07	99.68	99.55	99.37
XMg	0.89	0.90	0.90	0.74	0.90	0.90	0.91	0.73	0.90	0.91	0.91	0.73	0.90	0.91	0.91	0.73	0.89	0.88	0.88	0.73	0.89	0.88	0.88	0.73	0.90	0.88	0.89	0.73	0.90	0.88	0.89	0.73

Abbreviations are: ol=olivine, opx=orthopyroxene, cpx=clinopyroxene, sp=spinel.

Mineral major element data were performed by JEOL JXA 8200 Superprobes (accelerating potential 15 kV, beam current 15 nA), at the Dipartimento di Scienze della Terra, University of Milano.

TABLE DR3. MINERAL MODES CALCULATED FOR THE PERIDOTITES

sample	BG1 CP	BG6 CP	GV18 CP	ERS2/2 CP	GV8 HP	GV8 WR	BG14 WR	BG22 WR
olivine	62	60	61	59	51	52	45	48
orthopyroxene	24	26	27	24	33	34	39	36
clinopyroxene	12	12	11	14	14	12	14	14
spinel	2	2	2	3	2	2	2	2
R2	0.58	0.28	0.52	0.48	0.56	0.66	0.64	0.53

Abbreviations are: CP=country-rock peridotite; HP=host peridotite; WR=wall rock peridotite.
Modal abundances (in wt%) were obtained by mass balance calculation using bulk rock analyses and representative mineral compositions measured on spinel-facies porphyroclasts in each sample (reported in Table DR3).
R2 is the sum of squares of the residuals.

TABLE DR4. TRACE ELEMENT COMPOSITIONS OF CLINOPYROXENES FROM SELECTED PYROXENITES, WALL ROCK, HOST AND COUNTRY PERIDOTITES

Sample	GV8 pyroxenite			GV8 Wall rock				GV8 Host				BG14 pyroxenite				BG14 Wall rock								BG22 pyroxenite			BG22 Wall rock					ERS2/2	BG6	GV18	
*dfP**	---	---	---	*0.3*	*1.6*	*2.3*	*3.7*	*4.6*	*5.2*	*6.4*	*7.8*	---	---	---	---	*0.2*	*1.1*	*1.7*	*2.2*	*2.5*	*3.4*	*3.7*	*3.8*	---	---	---	*0.4*	*1.7*	*2.4*	*2.9*	*3.7*	*ountry rock (> 2 m from pyroxenites)*			
Sr	7.8	8.1	7.4	26	17	33	23	14	16	16	20	2.6	7.2	5.7	3.1	34	15	24	18	14	15	25	17	7.3	4.2	4.3	44	47	30	52	31	19	9.0	7.6	15	8.1
Y	23	29	31	15	17	18	20	21	21	24	21	29	36	21	39	12	16	14	15	18	27	21	23	27	43	29	11	13	14	14	14	19	21	23	19	22
Zr	42	52	51	36	37	39	43	49	47	53	54	41	47	31	55	23	36	30	36	39	49	43	49	34	50	42	25	29	28	29	25	30	38	41	31	40
La	1.5	1.7	1.7	1.8	2.4	2.8	2.6	2.3	2.5	2.6	2.9	0.71	0.58	0.59	0.59	0.87	0.92	0.90	0.90	1.0	1.3	1.4	1.3	0.76	0.79	0.78	0.95	1.0	1.0	1.0	0.94	1.1	0.91	0.76	0.87	0.79
Ce	8.5	8.6	8.6	7.6	10	11	11	13	12	12	13	4.3	3.9	3.9	3.7	3.8	4.3	4.0	4.4	4.4	6.4	5.9	6.3	3.7	4.5	4.3	4.2	4.1	4.0	3.9	4.3	4.2	4.1	3.1	4.3	4.4
Pr	1.5	1.6	1.4	1.3	1.7	1.7	1.9	2.1	1.9	2.0	2.2	0.87	0.82	0.78	0.82	0.73	0.90	0.81	0.89	0.88	1.2	1.1	1.3	0.72	0.87	0.85	0.81	0.81	0.74	0.72	0.78	0.77	0.74	0.67	0.83	0.87
Nd	8.0	9.1	7.7	7.2	8.2	8.7	9.6	11	10	11	12	5.4	5.7	5.1	5.8	4.2	5.3	4.8	5.2	5.8	7.8	6.8	7.7	4.8	6.3	5.1	4.7	4.8	4.5	4.2	4.9	4.5	4.4	4.3	4.9	5.4
Sm	3.4	3.6	2.7	2.3	2.5	2.6	3.0	3.1	2.8	3.3	3.3	2.5	2.8	2.2	2.6	1.5	2.1	1.8	2.0	2.2	3.0	2.7	3.1	2.2	3.1	2.1	1.6	1.7	1.7	1.5	1.9	1.9	2.0	2.1	2.1	2.4
Eu	1.0	1.2	1.4	0.84	0.95	0.94	1.1	1.1	1.1	1.2	1.1	0.98	1.1	0.95	0.95	0.59	0.88	0.77	0.85	0.81	1.4	1.2	1.3	0.95	1.2	1.3	0.66	0.74	0.83	0.69	0.72	0.78	0.83	0.84	0.78	0.96
Gd	3.4	4.3	4.7	2.7	3.0	2.9	3.7	3.6	3.4	3.9	3.5	3.8	3.9	3.2	4.1	1.8	3.0	2.4	2.6	2.7	4.1	3.4	3.9	3.1	4.7	3.5	2.0	1.9	2.2	1.9	2.2	2.6	2.9	3.0	2.7	3.3
Tb	0.61	0.79	0.85	0.46	0.51	0.50	0.60	0.63	0.60	0.69	0.60	0.71	0.85	0.53	0.88	0.33	0.49	0.42	0.42	0.51	0.72	0.61	0.69	0.64	1.0	0.65	0.33	0.35	0.38	0.35	0.36	0.46	0.54	0.61	0.50	0.60
Dy	3.8	5.4	5.5	2.8	3.2	3.2	3.6	3.9	4.0	4.3	3.8	4.9	6.2	3.8	6.9	2.1	3.0	2.6	2.7	3.2	4.7	3.7	4.2	4.3	7.1	4.7	1.9	2.3	2.5	2.2	2.3	3.0	3.5	4.0	3.3	4.1
Ho	0.85	1.20	1.24	0.58	0.67	0.69	0.81	0.81	0.86	0.91	0.82	1.26	1.36	0.82	1.60	0.44	0.60	0.56	0.58	0.65	1.02	0.82	0.91	0.97	1.65	1.12	0.42	0.50	0.56	0.51	0.54	0.71	0.86	0.90	0.74	0.90
Er	2.4	3.2	3.4	1.5	1.8	1.9	2.1	2.3	2.4	2.5	2.3	3.3	4.6	2.5	4.5	1.2	1.6	1.4	1.6	1.8	2.7	2.1	2.3	3.0	5.0	3.4	1.1	1.4	1.5	1.5	1.5	2.0	2.3	2.4	2.0	2.4
Tm	0.36	0.48	0.52	0.22	0.26	0.29	0.29	0.35	0.34	0.37	0.33	0.47	0.63	0.33	0.57	0.18	0.24	0.21	0.23	0.26	0.39	0.31	0.34	0.46	0.84	0.53	0.16	0.20	0.21	0.21	0.22	0.28	0.31	0.37	0.30	0.36
Yb	2.7	3.2	3.2	1.4	1.7	1.9	2.0	2.2	2.3	2.4	2.1	3.7	4.5	2.4	5.1	1.2	1.6	1.3	1.5	1.7	2.6	2.0	2.3	3.3	5.7	3.9	1.0	1.3	1.4	1.4	1.5	1.9	2.0	2.6	2.0	2.2
Lu	0.35	0.43	0.49	0.19	0.23	0.24	0.27	0.32	0.29	0.34	0.30	0.60	0.66	0.39	0.66	0.18	0.24	0.21	0.22	0.26	0.38	0.29	0.33	0.53	0.99	0.52	0.15	0.17	0.20	0.19	0.22	0.25	0.26	0.37	0.28	0.31
Hf	1.2	1.2	0.89	1.2	1.0	1.0	1.2	1.2	1.3	1.1	1.1	0.70	0.80	0.87	1.2	0.70	1.4	1.0	1.0	1.2	1.2	1.3	1.0	0.69	0.73	0.87	0.73	1.2	0.88	0.92	0.72	0.91	1.2	1.0	0.78	1.1
Sc	48	56	78	49	45	47	50	49	52	54	54	61	85	57	144	43	41	36	41	42	53	49	56	67	72	42	42	46	44	52	41	51	65	72	48	59
V	376	322	353	251	246	245	256	276	279	268	272	330	379	344	363	229	226	217	217	229	268	243	285	276	286	342	224	245	240	242	217	269	321	277	241	273
CeN/SmN	0.62	0.59	0.77	0.81	1.02	1.03	0.94	0.98	1.01	0.90	0.95	0.41	0.34	0.43	0.35	0.61	0.49	0.54	0.55	0.49	0.53	0.53	0.49	0.41	0.35	0.50	0.63	0.58	0.58	0.63	0.57	0.54	0.51	0.37	0.51	0.45
SmN/YbN	1.30	1.22	0.93	1.79	1.61	1.53	1.66	1.56	1.38	1.55	1.73	0.75	0.67	1.03	0.56	1.39	1.45	1.49	1.42	1.39	1.26	1.48	1.51	0.73	0.60	0.61	1.77	1.46	1.30	1.23	1.38	1.09	1.07	0.88	1.14	1.17
SmN/NdN	1.49	1.20	1.09	0.98	0.92	0.90	0.95	0.90	0.87	0.96	0.88	1.44	1.49	1.33	1.38	1.09	1.23	1.17	1.16	1.15	1.17	1.22	1.25	1.41	1.54	1.28	1.06	1.11	1.16	1.10	1.16	1.29	1.38	1.46	1.30	1.34

Contents are in ppm.

dfP = distance from pyroxenite-peridotite contact (cm).*

In situ trace element analyses on clinopyroxenes were carried out by LA-ICP-MS techniques at IGG-CNR (Istituto di Geoscienze e Georisorse, Pavia, Italy) following the analytical procedure reported by Miller et al. (2007).

Laser abalation spot size was 50 micron. Detection limits for each trace element and the reproducibility of the standard BCR2 were as in Miller et al. (2012).

Miller, C., Zanetti, A., Thoni, C., and Konzett, J., 2007, Eclogitisation of gabbroic rocks: redistribution of trace elements and Zr in rutile thermometry in an Eo-Alpine subduction zone (Eastern Alps): Chemical Geology, v. 239, p. 96-123.

Miller, C., Zanetti, A., Thoni, C., Konzett, J., and Klotzli, U., 2012, Mafic and silica-rich glassesin mantle xenoliths from Wau-en-namus, Libya:Textural and geochemical evidence for peridotite-melt reactions: Lithos, v. 128-131, p. 11-26.

TABLE DR5. Sr AND Nd ISOTOPIC DATA FOR CLINOPYROXENES FROM EXTERNAL LIGURIDE PYROXENITES AND PERIDOTITES

Sample	Rock-type	latitude	longitude	Sm (ppm)	Nd (ppm)	147Sm/144Nd^	143Nd/144Nd (±2σ x 10^6)†	$\varepsilon_{Nd(0)}$	$\varepsilon_{Nd(160)}$	$\varepsilon_{Nd(430)}$	Sr (ppm)	87Sr/86Sr (±2σ x 10^6)†
BG1	*country perid*	*44°16'43.79"*	*9°47'52.28"*	2.34	6.09	0.2319	0.513119 ± 08	9.38	8.66	7.45	---	---
BG6	*country perid*	*44°16'45.03"*	*9°47'38.94"*	1.95	4.69	0.2520	0.513236 ± 09	11.66	10.53	8.62	7.10	0.702651 ± 14
BG23	*country perid*	*44°16'46.46"*	*9°47'46.64"*	2.28	5.80	0.2375	0.513143 ± 07	9.84	9.01	7.60	7.48	0.702594 ± 13
GV18	*country perid*	*44°16'15.86"*	*9°48'27.96"*	2.58	6.25	0.2489	0.513394 ± 05	14.74	13.68	11.88	11.2	0.702076 ± 07
ERS2/2	*country perid*	*44°16'48.56"*	*9°47'42.88"*	1.85	4.48	0.2495	0.513538 ± 06	17.56	16.48	14.67	9.17	0.701756 ± 14
ERS2/2*	*country perid*			2.35	5.62	0.2530	0.513544 ± 21	17.67	16.53	14.59	9.50	0.701750 ± 36
BG8W	*wall rock*	*44°16'44.32"*	*9°47'50.35"*	2.16	5.95	0.2196	0.513079 ± 09	8.56	8.09	7.30	10.4	0.702477 ± 14
GV8H	*host perid*	*44°16'15.65"*	*9°48'27.76"*	3.50	11.38	0.1861	0.512799 ± 08	3.14	3.36	3.73	9.72	0.702646 ± 14
GV8W	*wall rock*	*44°16'15.65"*	*9°48'27.76"*	2.88	9.60	0.1814	0.512834 ± 06	3.83	4.14	4.67	10.7	0.702569 ± 15
GV8P	*pyroxenite*	*44°16'15.65"*	*9°48'27.76"*	3.67	9.35	0.2373	0.512995 ± 09	6.97	6.17	4.82	9.53	0.702430 ± 15
GV8P§	*pyroxenite*			2.60	6.66	0.2358	0.513011 ± 07	7.28	6.45	5.05	---	---
BG14W	*wall rock*	*44°16'44.15"*	*9°47'50.15"*	2.28	5.28	0.2412	0.513065 ± 06	8.34	7.43	5.90	---	---
BG14P	*pyroxenite*	*44°16'44.15"*	*9°47'50.15"*	1.99	4.43	0.2721	0.513155 ± 07	10.08	8.55	5.94	---	---
BG22W	*wall rock*	*44°16'44.69"*	*9°47'49.57"*	2.15	6.22	0.2086	0.513059 ± 05	8.22	7.98	7.57	---	---
BG22P	*pyroxenite*	*44°16'44.69"*	*9°47'49.57"*	2.20	5.46	0.2435	0.513156 ± 05	10.11	9.16	7.54	---	---
BG4	*pyroxenite*	*44°16'44.36"*	*9°47'49.08"*	1.86	4.51	0.2491	0.513208 ± 09	11.12	10.05	8.24	2.66	0.702818 ± 15
BG5	*pyroxenite*	*44°16'44.57"*	*9°47'48.64"*	1.59	3.77	0.2545	0.513131 ± 09	9.62	8.44	6.44	---	---
BG13	*pyroxenite*	*44°16'45.93"*	*9°47'48.93"*	3.05	4.89	0.3778	0.513401 ± 06	14.88	11.19	4.94	---	---
BG13§	*pyroxenite*			3.53	5.54	0.3845	0.513412 ± 06	15.10	11.27	4.78	3.03	0.702633 ± 14
GV10	*pyroxenite*	*44°16'15.86"*	*9°48'26.82"*	2.32	4.89	---	0.512936 ± 08	5.82	---	---	3.01	0.702877 ± 24
GV12	*pyroxenite*	*44°16'15.95"*	*9°48'27.14"*	0.80	1.59	0.3019	0.513155 ± 09	10.08	7.93	4.30	---	---
GV14	*pyroxenite*	*44°16'15.95"*	*9°48'27.14"*	2.78	6.30	0.2660	0.513052 ± 09	8.07	6.65	4.24	3.10	0.702506 ± 16
GV17	*pyroxenite*	*44°16'28.53"*	*9°48'17.59"*	2.39	4.88	0.2963	0.513105 ± 09	9.10	7.07	3.63	2.80	0.702282 ± 16
GV17§	*pyroxenite*			1.83	3.68	0.3002	0.513098 ± 06	8.97	6.86	3.29	2.41	0.702303 ± 16
MC3	*pyroxenite*	*44°17'38.25"*	*9°45'42.58"*	2.64	4.79	0.3332	0.513243 ± 09	11.81	9.02	4.31	3.47	0.702544 ± 15
MC5	*pyroxenite*	*44°17'37.54"*	*9°45'48.54"*	2.73	5.23	0.3158	0.513150 ± 13	9.99	7.55	3.44	3.51	0.702770 ± 16

Note: All data by isotope dilution.

Values used for εNd(t) calculations: 143Nd/144NdCHUR = 0.512638 and 147Sm/144NdCHUR = 0.1966 (Jacobsen and Wasserburg, 1980).

Details of the isotopic methods are provided in the Data Repository.

† Internal precision.

^Estimated error is 0.3%.

*Data from Rampone et al. (1995).

§Duplicates on different aliquots of cpx separates.

Jacobsen, S.B., and Wasserburg, G.J., 1980, Sm-Nd isotopic evolution of chondrites: Earth and Planetary Science Letters, v. 50, p. 139–155, doi:10.1016/0012-821X(80)90125-9.