

## SUPPLEMENTARY MATERIALS

### Figure Captions

**Figure S1.** U-Pb zircon concordia, relative probability, and weighted mean age plots for granitoids of the western Lohit Plutonic Complex belt: (A) PH-1-8-13-1B, (B) PH-1-8-13-3, (C) PH-1-8-13-4B, (D) PH-1-8-13-7, (E) PH-1-8-13-8, and (F) PH-1-5-13-9.

**Figure S2.** U-Pb concordia, relative probability, and weighted mean age plots for granitoids of the eastern Lohit Plutonic Complex belt: (A) PH-11-10-15-15, (B) PH-11-11-15-1, (C) PH-11-10-15-13, and (D) PH-1-5-13-5.

**Figure S3.** Cathodoluminescence (CL) images of representative zircons analyzed for U-Pb crystallization ages from (A-C) granitoids of the western Lohit Plutonic Complex belt and (D) diorite of the eastern Lohit Plutonic Complex belt.

**Figure S4.** Geochemical plots for plutonic rocks including (A)  $K_2O$  versus  $SiO_2$  (Le Bas et al., 1986) and (B) granitoid-type based on quartz-alkali feldspar-plagioclase feldspar (QAP) abundances based on mineral point counting in thin section.

**Figure S5.** Diagrams of sources for plutonic rocks including anorogenic (A), igneous (I), sedimentary (S), and mantle (M) -types based on (A)  $K_2O + N_2O$  versus  $10000 * Ga/Al$  and (B) Nb versus  $10000 * Ga/Al$ . Tectonic setting diagram for plutonic rocks including syncollisional (syn-COLG), within-plate granite (WPG), volcanic arc granite (VAG), orogenic (ORG) based on (C) Ta versus Yb and (D) Rb versus Y + Nb (Pearce et al., 1984).

**Figure S6.** (A) Chondrite-normalized and (B) primitive mantle-normalized rare earth element spider diagram for granitoids of the western Lohit Plutonic Complex belt.

**Figure S7.** Tectonic setting discriminant diagrams of mafic and ultramafic rocks including mid-ocean ridge basalts (MORB), oceanic island basalts (OIB), back-arc basins basalts (BABB), island arc tholeiites (IAT), oceanic arcs, continental arc or flood basalts (CFB), and alkaline arcs, based on (A) Ti versus Zr, (B) V versus Ti, (C) Cr versus Y, and (D) Zr/Y versus Zr.

**Figure 8.** Chondrite-normalized rare earth element spider diagram for mafic and ultramafic rocks.

### **Table Captions**

**Table S1.** U-Pb zircon geochronology data for the Western Lohit Plutonic Complex Belt.

**Table S2.** U-Pb zircon geochronology data for the Eastern Lohit Plutonic Complex Belt.

**Table S3.** U-Pb detrital zircon geochronology data of metasedimentary rocks of the Tidding and Mayodia mélange complexes.

**Table S4.** U-Pb detrital zircon geochronology data of Mayodia gneiss metasedimentary rocks.

**Table S5.** U-Pb detrital zircon geochronology data of Lalpani schist metasedimentary rocks.

**Table S6.** U-Pb detrital zircon geochronology data of Sewak unit metasedimentary rocks.

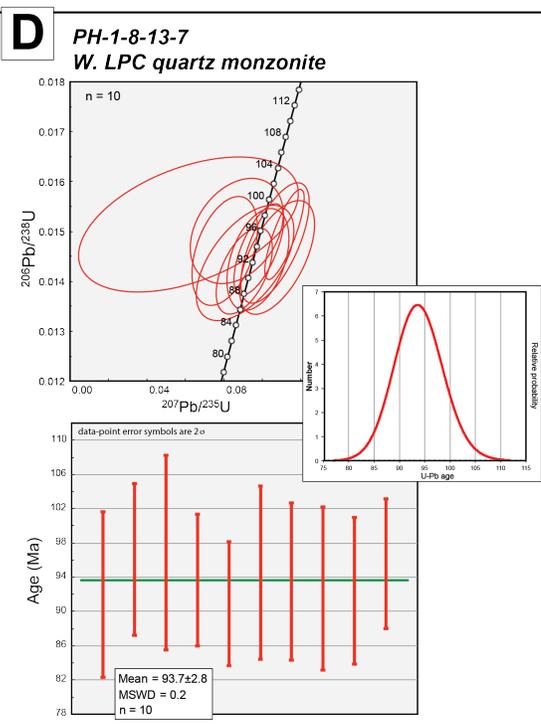
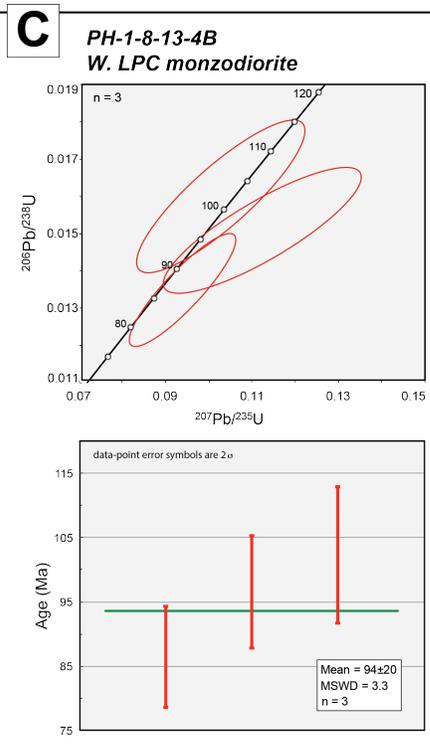
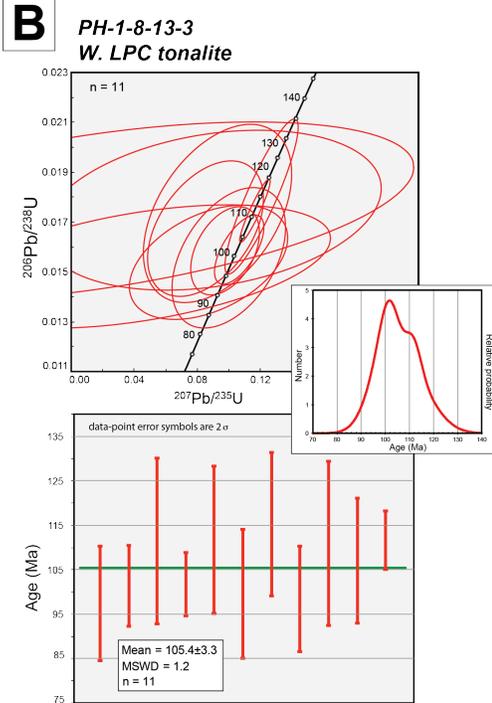
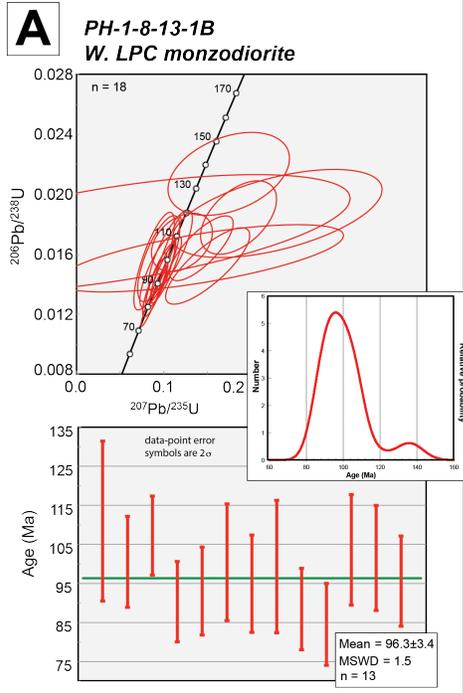
**Table S7.** Whole-rock geochemistry data for plutonic rocks.

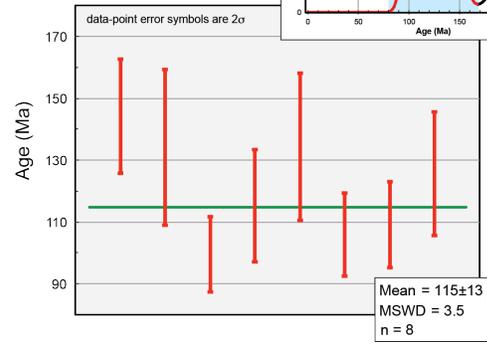
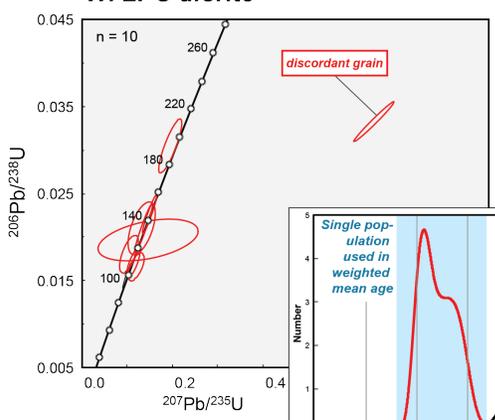
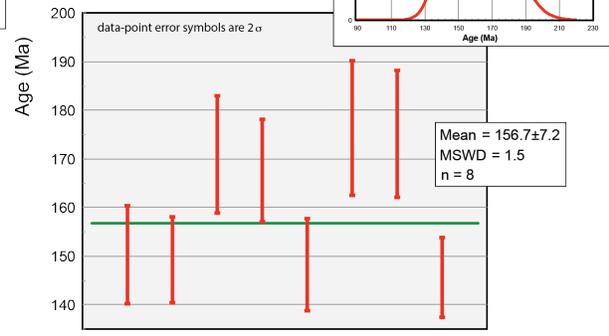
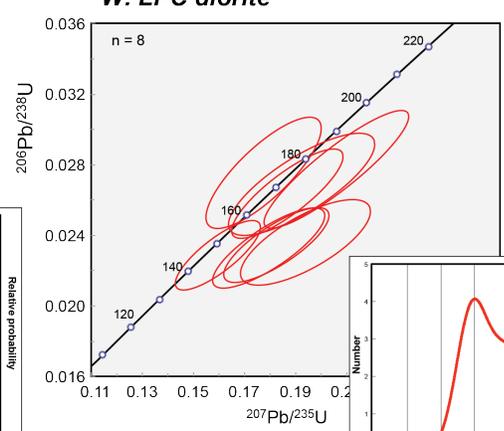
**Table S8.** Whole-rock geochemistry data for mafic and ultramafic rocks.

**Table S9.** Results of the Kolmogorov-Smirnov statistical test applied to the probability density function of U-Pb detrital zircon ages.

# List of Figures

## Figure S1.



**E****PH-1-8-13-8  
W. LPC diorite****F****PH-1-5-13-9  
W. LPC diorite**

**Figure S2.**

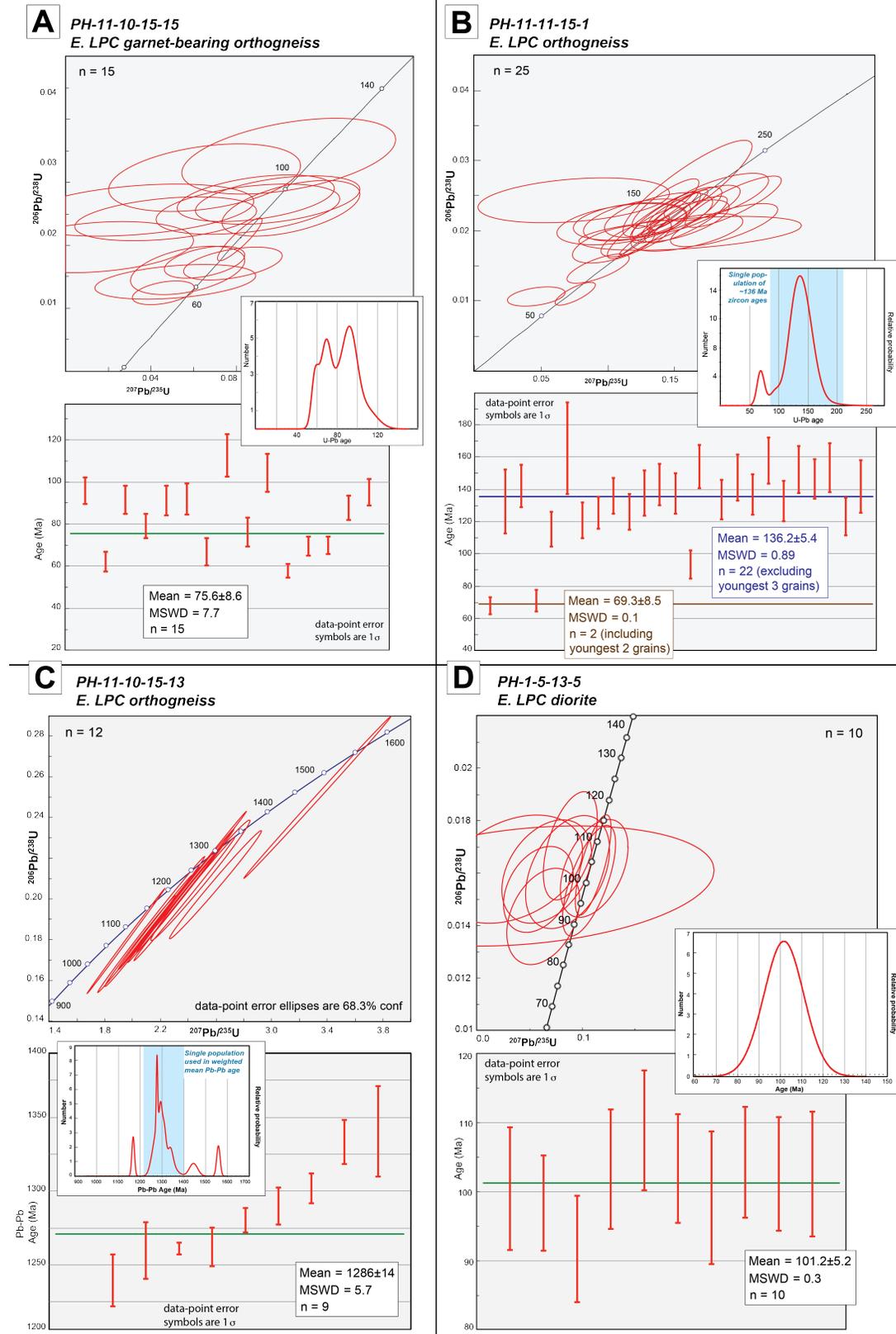


Figure S3.

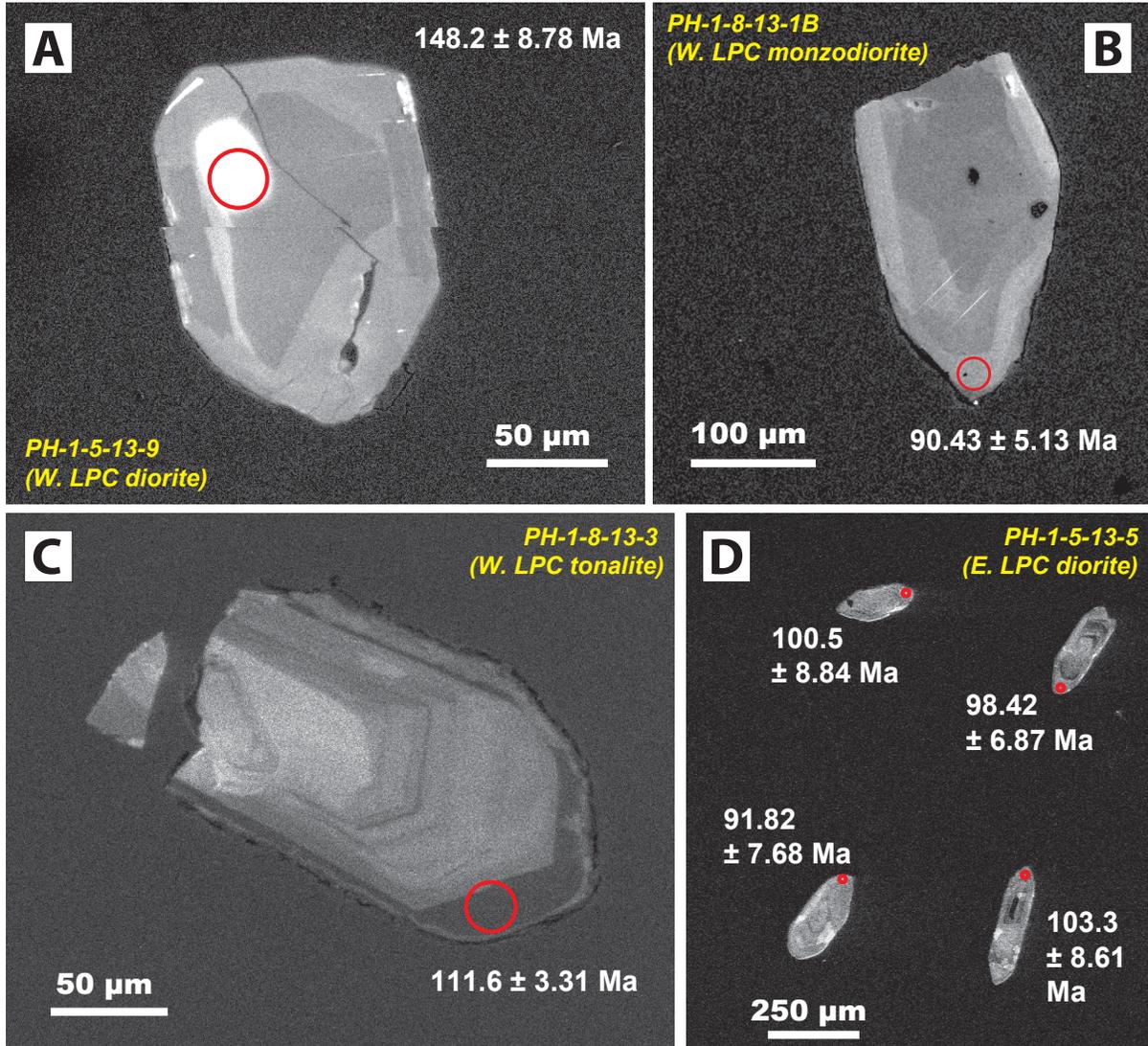


Figure S4.

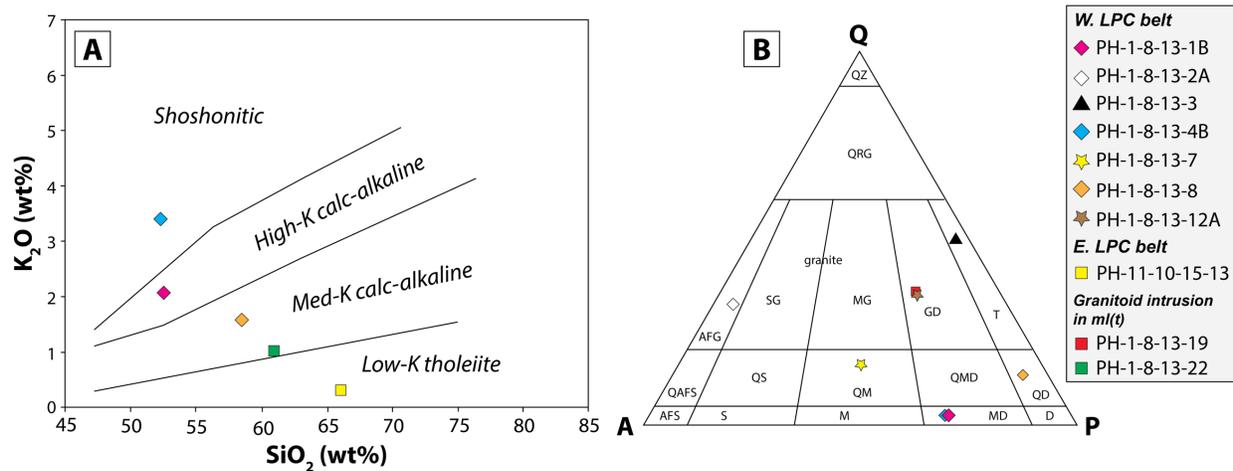


Figure S5.

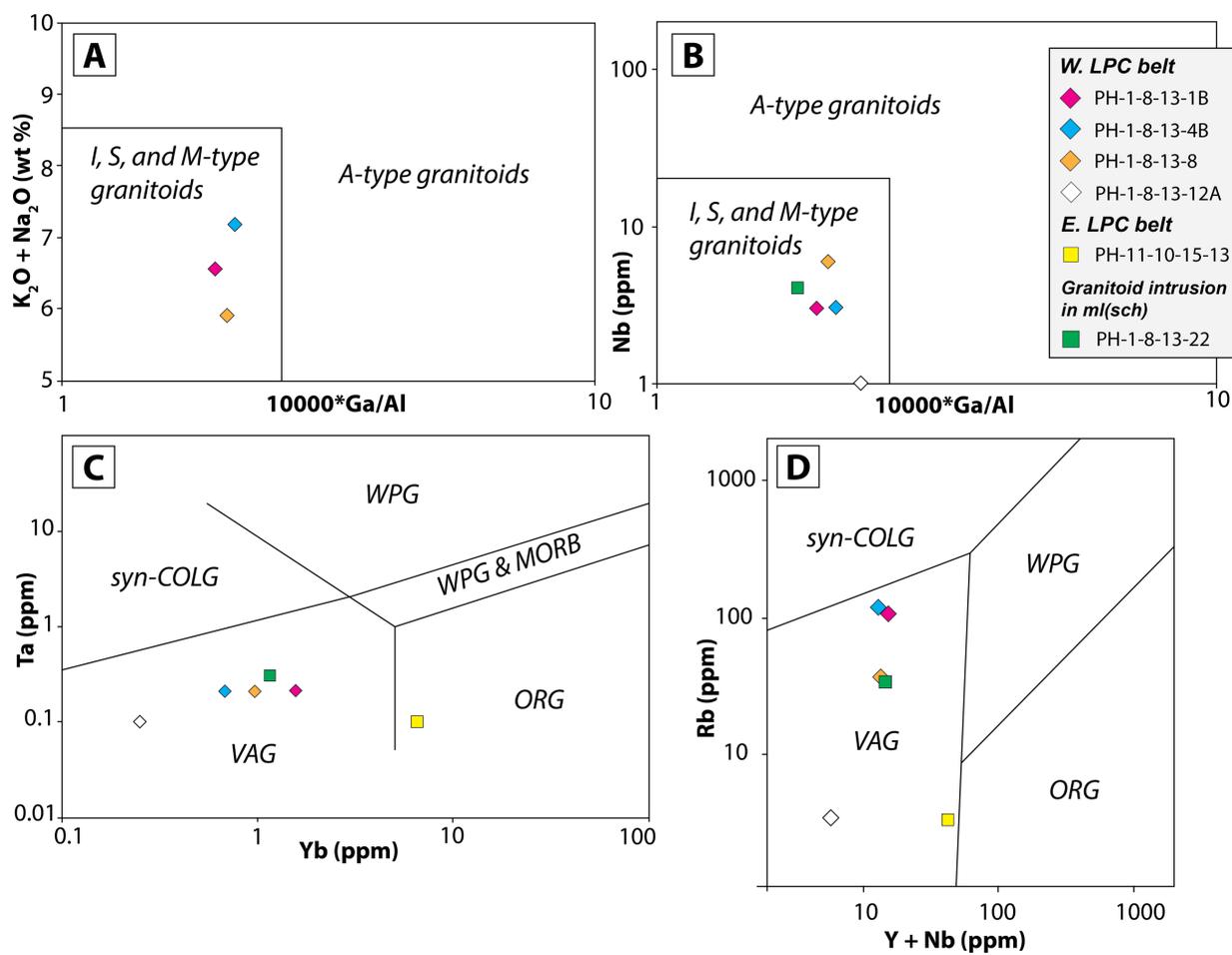


Figure S6.

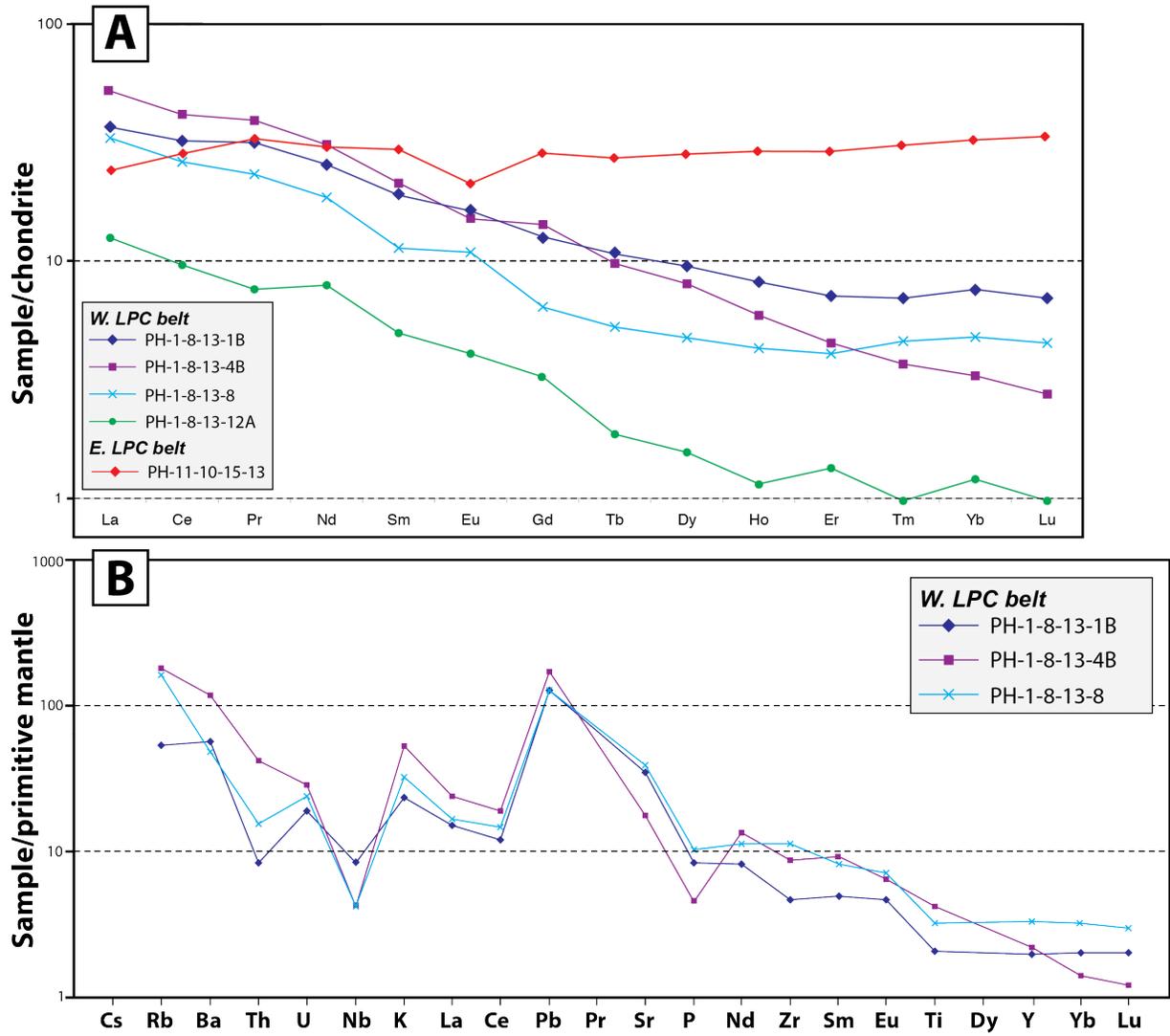


Figure S7.

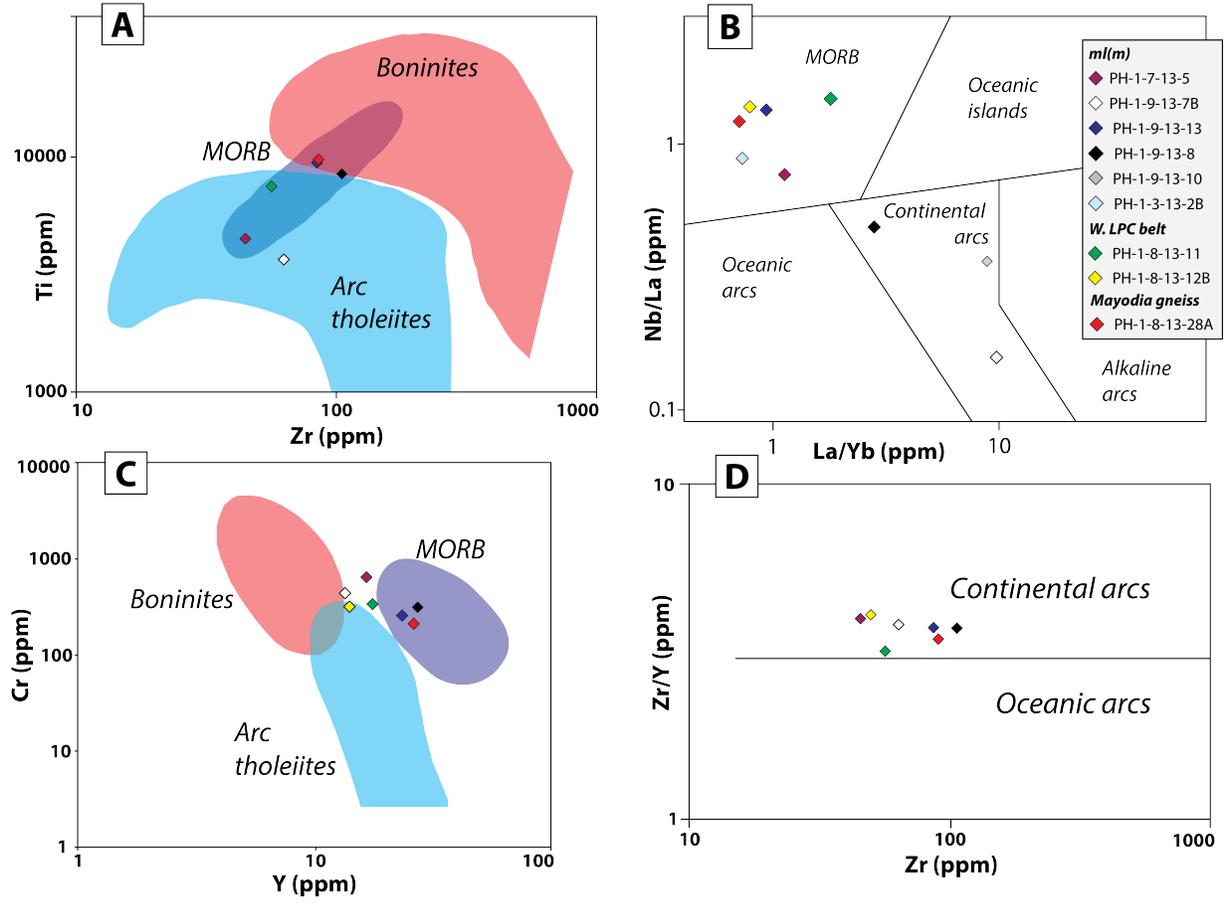
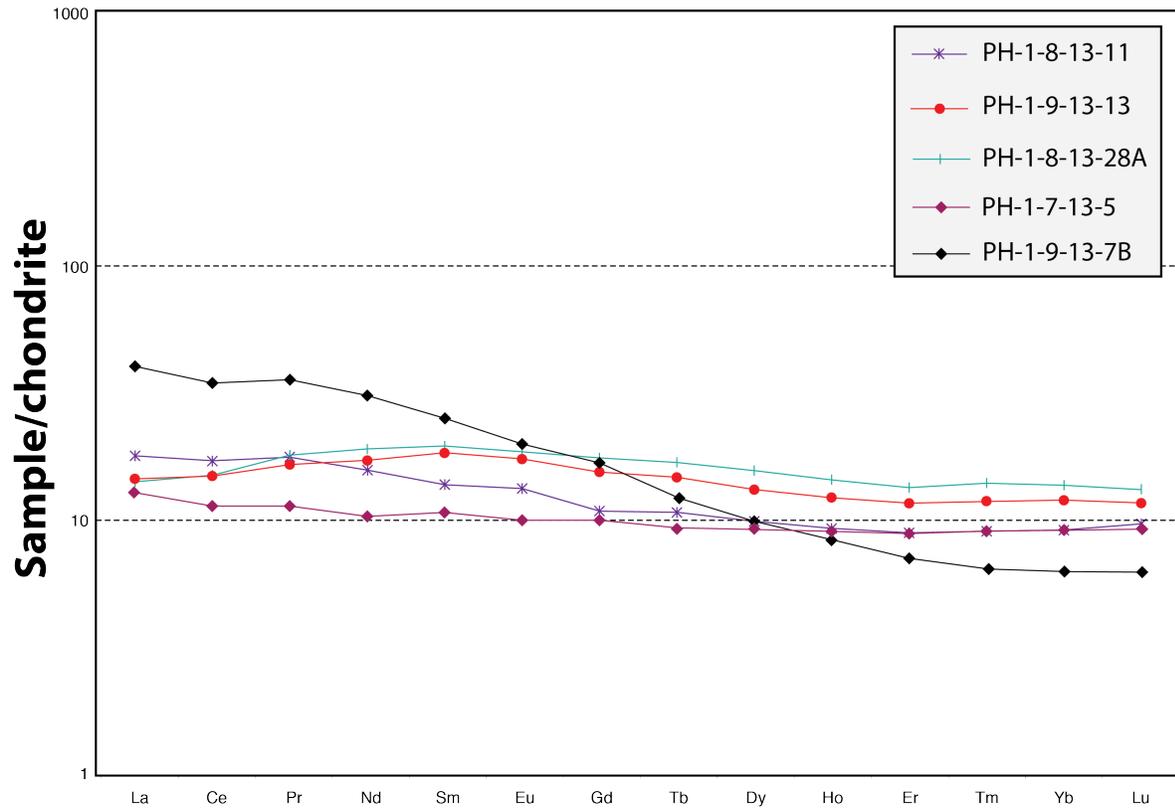


Figure S8.



## List of Tables

**Table S1.** U-Pb zircon geochronology data for the Western Lohit Plutonic Complex Belt

Spot ID <sup>1</sup>	Isotopic ratios								Ages (Ma ± 1 s.e.)						Age rejected
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<sup>206</sup> Pb (%)		<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	
<i>PH-1-8-13-1B</i>															
1	1.737E-02	1.610E-03	4.571E-02	1.090E-01	1.908E-02	4.430E-02	92.97		111	10.2	45.38	105	-	-	
2	1.573E-02	9.160E-04	1.419E-01	6.660E-02	6.542E-02	2.830E-02	95.52		100.6	5.81	134.8	59.3	787.9	907	
3	2.136E-02	1.130E-03	1.739E-01	2.830E-02	5.905E-02	8.940E-03	98.54		136.2	7.13	162.8	24.5	569	329	y <sup>c</sup>
4	1.522E-02	1.040E-03	1.499E-01	1.960E-02	7.139E-02	6.160E-03	100		97.4	6.59	141.8	17.3	968.6	176	y <sup>d</sup>
5	1.640E-02	8.820E-04	1.428E-01	1.480E-02	6.313E-02	4.490E-03	100		104.9	5.6	135.5	13.1	712.6	151	y <sup>d</sup>
6	1.872E-02	1.200E-03	2.294E-01	4.880E-02	8.887E-02	1.650E-02	98.3		119.6	7.62	209.7	40.3	1401	356	y <sup>d</sup>
7	1.679E-02	7.950E-04	1.205E-01	1.420E-02	5.205E-02	5.730E-03	99.67		107.3	5.04	115.5	12.8	287.5	251	
8	1.845E-02	1.000E-03	1.851E-01	1.770E-02	7.279E-02	6.040E-03	100		117.8	6.33	172.5	15.2	1008	168	y <sup>d</sup>
9	1.413E-02	8.080E-04	8.942E-02	5.510E-03	4.591E-02	1.120E-03	99.81		90.43	5.13	86.97	5.13	-	-	
10	1.455E-02	8.830E-04	9.585E-02	6.760E-03	4.776E-02	1.700E-03	100		93.15	5.61	92.94	6.26	87.58	84.6	
11	1.571E-02	1.170E-03	9.407E-02	9.830E-03	4.344E-02	3.160E-03	99.3		100.5	7.45	91.29	9.12	-	-	
12	1.485E-02	9.780E-04	9.292E-02	8.360E-03	4.538E-02	2.450E-03	99.59		95.02	6.21	90.22	7.76	-	-	
13	1.554E-02	1.330E-03	8.878E-02	9.440E-03	4.144E-02	2.740E-03	99.16		99.4	8.46	86.36	8.81	-	-	
14	1.383E-02	8.170E-04	9.021E-02	5.940E-03	4.730E-02	1.670E-03	99.77		88.55	5.2	87.7	5.53	64.55	83.8	
15	1.321E-02	8.200E-04	8.836E-02	5.950E-03	4.849E-02	9.560E-04	99.89		84.63	5.22	85.97	5.55	123.4	46.4	
16	1.622E-02	1.110E-03	1.074E-01	1.020E-02	4.804E-02	2.780E-03	99.57		103.7	7.06	103.6	9.35	101.1	137	
17	1.588E-02	1.060E-03	1.026E-01	6.950E-03	4.687E-02	8.990E-04	99.86		101.6	6.74	99.19	6.4	42.59	45.8	
18	1.495E-02	9.060E-04	1.021E-01	7.350E-03	4.954E-02	1.670E-03	99.95		95.69	5.75	98.76	6.78	173.4	78.8	
<i>PH-1-8-13-3</i>															
1	1.522E-02	1.010E-03	4.431E-02	4.910E-02	2.112E-02	2.280E-02	96.2		97.37	6.42	44.02	47.8	-	-	
2	1.585E-02	7.220E-04	9.758E-02	8.900E-03	4.465E-02	3.730E-03	99.44		101.4	4.58	94.54	8.23	-	-	
3	1.742E-02	1.470E-03	1.558E-02	8.240E-02	6.485E-03	3.400E-02	93.7		111.4	9.32	15.7	82.3	-	-	

4	1.590E-02	5.660E-04	1.065E-01	6.390E-03	4.856E-02	2.240E-03	100		101.7	3.59	102.7	5.86	126.8	108	
5	1.748E-02	1.310E-03	8.937E-02	4.380E-02	3.707E-02	1.760E-02	97.98		111.7	8.28	86.91	40.8	-	-	
6	1.557E-02	1.150E-03	9.994E-02	1.470E-02	4.655E-02	6.190E-03	99.3		99.6	7.27	96.72	13.6	26.33	319	
7	1.803E-02	1.270E-03	1.207E-01	9.490E-03	4.857E-02	1.690E-03	99.73		115.2	8.07	115.7	8.6	126.9	81.8	
8	1.539E-02	9.360E-04	8.710E-02	2.050E-02	4.106E-02	8.890E-03	97.97		98.43	5.94	84.8	19.2	-	-	
9	1.735E-02	1.460E-03	9.279E-02	1.920E-02	3.878E-02	7.180E-03	98.53		110.9	9.26	90.1	17.8	-	-	
10	1.674E-02	1.110E-03	8.518E-02	1.500E-02	3.690E-02	5.820E-03	98.38		107	7.04	83	14	-	-	
11	1.746E-02	5.230E-04	1.165E-01	3.960E-03	4.840E-02	5.960E-04	99.92		111.6	3.31	111.9	3.6	118.7	29	
<i>PH-1-8-13-4B</i>															
1	1.349E-02	6.190E-04	9.397E-02	5.030E-03	5.050E-02	1.250E-03	100		86.41	3.93	91.19	4.66	218.1	57.3	
2	1.509E-02	6.890E-04	1.124E-01	9.350E-03	5.399E-02	2.740E-03	100		96.58	4.38	108.1	8.53	370.7	114	
3	1.600E-02	8.360E-04	1.028E-01	7.950E-03	4.661E-02	1.950E-03	99.83		102.3	5.3	99.39	7.32	29.06	100	
<i>PH-1-8-13-7</i>															
1	1.437E-02	7.630E-04	9.099E-02	1.670E-02	4.590E-02	7.360E-03	98.85		91.97	4.85	88.42	15.6	-	-	
2	1.501E-02	6.960E-04	8.666E-02	1.590E-02	4.190E-02	7.290E-03	98.77		96.07	4.42	84.39	14.8	-	-	
3	1.514E-02	8.930E-04	6.162E-02	3.760E-02	2.950E-02	1.730E-02	97.08		96.87	5.67	60.72	36	-	-	
4	1.464E-02	6.040E-04	9.814E-02	8.530E-03	4.860E-02	3.270E-03	99.49		93.67	3.84	95.06	7.89	130.1	158	
5	1.421E-02	5.710E-04	9.056E-02	9.610E-03	4.620E-02	4.240E-03	99.29		90.94	3.63	88.03	8.94	9.814	221	
6	1.477E-02	7.960E-04	1.065E-01	1.170E-02	5.230E-02	4.390E-03	99.51		94.54	5.06	102.7	10.7	296.8	192	
7	1.461E-02	7.200E-04	8.044E-02	1.120E-02	3.990E-02	5.070E-03	98.72		93.49	4.58	78.56	10.6	-	-	
8	1.448E-02	7.520E-04	1.076E-01	1.280E-02	5.390E-02	5.280E-03	99.68		92.68	4.78	103.8	11.7	366.7	221	
9	1.444E-02	6.730E-04	9.765E-02	1.060E-02	4.900E-02	4.850E-03	99.48		92.43	4.28	94.61	9.82	150	232	
10	1.494E-02	5.970E-04	1.114E-01	6.740E-03	5.410E-02	1.980E-03	100		95.59	3.79	107.3	6.15	374.9	82.5	
<i>PH-1-8-13-8</i>															
1	2.262E-02	1.470E-03	1.503E-01	1.040E-02	4.819E-02	1.030E-03	99.84		144.2	9.27	142.2	9.16	108.5	50.6	
2	2.102E-02	2.000E-03	1.329E-01	1.980E-02	4.586E-02	5.660E-03	99.15		134.1	12.6	126.7	17.8	-	-	
3	3.327E-02	1.510E-03	6.459E-01	2.920E-02	1.408E-01	1.080E-03	99.93		211	9.41	506	18	2237	13.3	y <sup>c</sup>

4	1.557E-02	9.64 0E-04	1.011 E-01	6.550 E-03	4.707 E-02	8.860 E-04	99.83		99.6	6.1 2	97.7 5	6.04	52.81	44. 9	
5	1.805E-02	1.44 0E-03	1.049 E-01	1.370 E-02	4.214 E-02	4.210 E-03	99.11		115.3	9.1	101. 3	12.6	-	-	
6	2.103E-02	1.89 0E-03	1.371 E-01	1.320 E-02	4.729 E-02	1.310 E-03	99.73		134.2	11. 9	130. 5	11.7	63.79	66. 1	
7	3.046E-02	2.05 0E-03	1.961 E-01	1.680 E-02	4.668 E-02	2.110 E-03	99.51		193.5	12. 8	181. 8	14.3	33.08	108	y <sup>c</sup>
8	1.657E-02	1.06 0E-03	1.204 E-01	1.200 E-02	5.273 E-02	4.090 E-03	99.6		105.9	6.6 9	115. 5	10.9	317.3	176	
9	1.706E-02	1.10 0E-03	1.145 E-01	9.660 E-03	4.868 E-02	2.670 E-03	99.73		109.1	6.9 9	110. 1	8.8	132.4	129	
10	1.968E-02	1.58 0E-03	1.471 E-01	7.300 E-02	5.421 E-02	2.540 E-02	74.13		125.6	10	139. 3	64.6	379.9	105 0	
<i>PH-1-5-13-9</i>															
1	2.360E-02	1.60 0E-03	1.938 E-01	1.680 E-02	5.957 E-02	3.560 E-03	100		150.4	10	179. 9	14.3	587.9	130	
2	2.345E-02	1.40 0E-03	1.824 E-01	1.360 E-02	5.642 E-02	2.590 E-03	100		149.4	8.8	170. 2	11.7	469	102	
3	2.689E-02	1.91 0E-03	1.923 E-01	1.890 E-02	5.188 E-02	3.160 E-03	100		171	12	178. 6	16.1	280.1	139	
4	2.636E-02	1.67 0E-03	1.867 E-01	1.440 E-02	5.137 E-02	2.200 E-03	100		167.7	10. 5	173. 8	12.3	257.6	98. 4	
5	2.328E-02	1.50 0E-03	1.794 E-01	1.450 E-02	5.588 E-02	2.670 E-03	100		148.4	9.4 3	167. 5	12.5	447.6	106	
6	2.774E-02	2.20 0E-03	2.059 E-01	1.870 E-02	5.384 E-02	2.160 E-03	100		176.4	13. 8	190. 1	15.8	364.4	90. 5	
7	2.754E-02	2.08 0E-03	1.774 E-01	1.490 E-02	4.672 E-02	2.380 E-03	100		175.2	13	165. 9	12.8	35.06	122	
8	2.287E-02	1.30 0E-03	1.595 E-01	1.100 E-02	5.057 E-02	2.040 E-03	100		145.8	8.1 7	150. 3	9.61	221.4	93. 5	
<p><i>Notes:</i>  <sup>1</sup>Spot ID: # is the zircon spot number  <sup>2</sup>Negative values for isotopic ratios, ages, and errors are rejected  Dashes are immeasurable quantities and rejected  E-01 = x 0.1, E-02 = x 0.01, E-03 = x 0.001</p>								<p><i>Rejected U-Pb ages:</i>  <sup>a</sup>Low radiogenic lead  <sup>b</sup>Analytical error  <sup>c</sup>Inherited zircon  <sup>d</sup>Discordant U-Pb age</p>							

**Table S2.** U-Pb zircon geochronology data for the Eastern Lohit Plutonic Complex Belt

Spot ID <sup>1</sup>	Isotopic ratios							Ages (Ma ± 1 s.e.)							Age rejected
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<sup>206</sup> Pb (%)	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.		
<i>PH-11-10-15-15</i>															
1	1.498E-02	9.763E-04	8.905E-02	2.430E-02	4.311E-02	1.088E-02	94.94	95.87	6.2	86.62	22.65	-	-		
2	9.664E-03	7.350E-04	5.131E-02	2.480E-02	3.851E-02	1.778E-02	93.77	62	4.69	50.81	23.95	-	-		
3	8.714E-03	6.964E-04	2.112E-02	3.325E-02	1.758E-02	2.812E-02	85.63	55.93	4.45	-21.68	34.49	-	-	y <sup>a</sup>	
4	1.430E-02	1.066E-03	8.525E-02	2.840E-02	4.324E-02	1.340E-02	93.9	91.54	6.78	83.07	26.57	-	-		
5	1.237E-02	9.084E-04	8.150E-02	6.868E-03	4.781E-02	1.766E-03	99.19	79.22	5.78	79.56	6.45	89.64	87.54		
6	1.226E-02	1.252E-03	9.685E-02	9.195E-02	5.728E-02	5.764E-02	75.95	78.58	7.98	-103.4	103.4	-	-	y <sup>a</sup>	
7	1.424E-02	1.094E-03	3.334E-02	3.609E-02	1.698E-02	1.799E-02	90.97	91.13	6.95	33.3	35.46	-	-		
8	1.435E-02	1.155E-03	1.054E-01	2.138E-02	5.327E-02	9.352E-03	96.88	91.84	7.34	101.7	19.64	340.5	397.5		
9	1.041E-02	1.019E-03	5.717E-02	1.761E-02	3.983E-02	1.119E-02	94.94	66.76	6.5	56.45	16.91	-	-		
10	1.766E-02	1.596E-03	1.043E-01	3.304E-02	4.283E-02	1.236E-02	93.42	112.8	10.11	100.7	30.38	-	-		
11	1.189E-02	1.067E-03	1.491E-02	2.980E-02	9.094E-03	1.798E-02	90.5	76.22	6.8	15.03	29.81	-	-		
12	1.630E-02	1.426E-03	6.511E-02	2.964E-02	2.898E-02	1.252E-02	93.48	104.2	9.04	64.04	28.26	-	-		
13	8.988E-03	5.097E-04	4.586E-02	9.490E-03	3.700E-02	7.052E-03	96.03	57.68	3.26	45.53	9.21	-	-		
14	1.084E-02	6.963E-04	7.847E-02	1.519E-02	5.251E-02	9.062E-03	96.43	69.5	4.44	76.7	14.3	307.5	393.1		
15	1.091E-02	6.723E-04	6.514E-02	1.252E-02	4.331E-02	7.515E-03	96.73	69.94	4.29	64.07	11.93	-	-		
16	1.370E-02	9.267E-04	4.686E-02	2.803E-02	2.480E-02	1.432E-02	92.78	87.74	5.89	46.5	27.19	-	-		
17	1.487E-02	1.018E-03	9.925E-02	2.530E-02	4.840E-02	1.129E-02	95.1	95.17	6.47	96.09	23.37	118.9	550		
<i>PH-11-10-15-13<sup>3,4</sup></i>															
1	2.07E-01	1.76E-02	2.60E+00	2.20E-01	9.09E-02	9.05E-04	100	1214	93.9	1300	62	1444	19	y <sup>d</sup>	
2	2.84E-01	1.33E-01	3.29E+00	1.47E+00	8.40E-02	3.16E-03	100	1612	666	1479	347	1293	73.1	y <sup>b</sup>	
3	1.79E-01	1.49E-02	2.06E+00	1.71E-01	8.33E-02	6.85E-04	100	1064	81.3	1136	56.9	1276	16		
4	1.88E-01	1.54E-02	2.17E+00	1.77E-01	8.34E-02	4.71E-04	100	1113	83.4	1170	56.8	1278	11		
5	1.91E-01	1.63E-02	2.20E+00	1.87E-01	8.33E-02	1.42E-04	100	1127	88.1	1180	59.5	1277	3.32		

6	2.09E-01	1.96E-02	2.49E+00	2.37E-01	8.62E-02	1.14E-03	100		1225	104	1268	68.9	1343	25.5	
7	2.13E-01	2.01E-02	2.47E+00	2.33E-01	8.40E-02	2.99E-04	100		1244	107	1262	68.2	1293	6.93	
8	1.80E-01	1.71E-02	1.95E+00	1.86E-01	7.88E-02	2.44E-04	100		1065	93.5	1099	64	1168	6.12	y <sup>d</sup>
9	2.00E-01	1.78E-02	2.34E+00	2.09E-01	8.48E-02	3.68E-04	100		1177	95.7	1226	63.6	1311	8.42	
10	2.02E-01	2.16E-02	2.35E+00	2.52E-01	8.44E-02	4.49E-04	100		1185	116	1226	76.6	1301	10.3	
11	1.88E-01	2.21E-02	2.14E+00	2.54E-01	8.26E-02	6.21E-04	100		1108	120	1160	82.2	1259	14.7	
12	2.50E-01	2.62E-02	3.33E+00	3.48E-01	9.65E-02	4.09E-04	100		1439	135	1488	81.6	1558	7.94	y <sup>d</sup>
13	2.00E-01	2.01E-02	2.37E+00	2.39E-01	8.60E-02	5.50E-04	100		1177	108	1235	72	1337	12.4	
14	1.62E-02	1.73E-03	3.01E-01	3.27E-02	1.35E-01	2.98E-03	100		103.7	11	267	25.5	2157	38.7	y <sup>d</sup>
<i>PH-11-11-15-1</i>															
1	1.062E-02	8.823E-04	4.626E-02	1.423E-02	3.158E-02	9.008E-03	95.02		68.13	5.628	45.92	13.81	-	0.01	
2	2.077E-02	3.141E-03	1.347E-01	2.307E-02	4.702E-02	3.573E-03	99.13		132.5	19.83	128.3	20.64	50.26	181.4	
3	1.328E-01	4.978E-01	7.463E-01	2.814E+00	4.075E-02	1.367E-02	96.69		804.1	2833	566.1	1636	-	0.014	y <sup>b</sup>
4	2.228E-02	2.106E-03	1.378E-01	2.677E-02	4.486E-02	7.181E-03	95.83		142	13.28	131.1	23.89	-	0.007	
5	1.107E-02	1.075E-03	7.545E-02	1.003E-02	4.944E-02	4.119E-03	97.08		70.96	6.856	73.86	9.465	168.8	194.6	
6	1.805E-02	1.736E-03	1.045E-01	2.045E-02	4.197E-02	6.813E-03	97.22		115.3	10.99	100.9	18.8	-	0.01	
7	2.602E-02	4.501E-03	1.596E-01	3.205E-02	4.447E-02	4.315E-03	97.85		165.6	28.28	150.3	28.07	-	0.004	
8	1.891E-02	1.755E-03	1.209E-01	1.749E-02	4.638E-02	4.882E-03	96.77		120.8	11.1	115.9	15.85	17.43	252.9	
9	1.966E-02	1.581E-03	1.618E-01	5.498E-02	5.970E-02	1.857E-02	92.23		125.5	9.99	152.3	48.05	592.6	674.5	
10	2.133E-02	1.747E-03	1.167E-01	2.802E-02	3.968E-02	8.905E-03	95.06		136	11.03	112.1	25.48	-	0.01	
11	1.977E-02	1.745E-03	1.593E-01	2.744E-02	5.843E-02	8.154E-03	94.58		126.2	11.03	150.1	24.04	545.8	305	
12	2.156E-02	2.213E-03	1.586E-01	2.042E-02	5.337E-02	3.914E-03	98.15		137.5	13.96	149.5	17.9	344.4	165.9	
13	2.241E-02	2.041E-03	1.460E-01	1.410E-02	4.725E-02	1.300E-03	99.28		142.9	12.87	138.4	12.5	62.02	65.55	
14	2.154E-02	1.990E-03	1.218E-01	2.642E-02	4.101E-02	7.653E-03	95.66		137.4	12.56	116.7	23.92	-	0.01	
15	1.457E-02	1.370E-03	9.271E-02	1.524E-02	4.616E-02	5.425E-03	97.9		93.23	8.71	90.03	14.16	5.97	283	
16	2.429E-02	2.111E-03	7.461E-02	4.749E-02	2.228E-02	1.370E-02	92.76		154.7	13.28	73.07	44.87	-	0.01	

17	2.095E-02	1.966E-03	1.103 E-01	3.1 87E -02	3.817 E-02	1.004E -02	93.1 5		133.7	12.4 1	106.2	29.15	-	0.01	
18	2.311E-02	2.241E-03	1.643 E-01	2.3 10E -02	5.156 E-02	4.849E -03	97.9 7		147.3	14.1 2	154.4	20.15	265.9	215.8	
19	2.143E-02	1.971E-03	1.545 E-01	2.3 90E -02	5.228 E-02	6.105E -03	96.7 5		136.7	12.4 4	145.8	21.02	297.5	266.5	
20	2.475E-02	2.252E-03	1.814 E-01	2.5 70E -02	5.317 E-02	5.390E -03	96.4		157.6	14.1 6	169.3	22.09	336.2	229.7	
21	2.079E-02	2.005E-03	1.872 E-01	2.6 52E -02	6.532 E-02	6.383E -03	93.2 6		132.6	12.6 6	174.3	22.69	784.5	205.3	
22	2.389E-02	2.298E-03	1.433 E-01	1.6 49E -02	4.352 E-02	2.629E -03	98.1		152.2	14.4 7	136	14.65	-	0.03	
23	2.297E-02	1.919E-03	1.531 E-01	1.4 44E -02	4.835 E-02	1.724E -03	98.7 7		146.4	12.0 9	144.7	12.72	116.6	84.06	
24	2.411E-02	2.398E-03	1.939 E-01	2.3 87E -02	5.832 E-02	3.896E -03	97.6 2		153.6	15.1	180	20.3	541.9	146	
25	1.930E-02	1.817E-03	1.276 E-01	1.2 44E -02	4.793 E-02	9.742E -04	99.4 7		123.2	11.4 9	121.9	11.2	95.97	48.11	
26	2.223E-02	2.597E-03	1.512 E-01	2.2 61E -02	4.934 E-02	4.364E -03	97.5 9		141.7	16.3 8	143	19.94	163.8	206.8	
<i>PH-1-5-13-5</i>															
1	1.063E-01	1.660E-02	1.571 E-02	1.3 90E -03	4.906 E-02	5.720E -03	99.4		100.5	8.84	102.6	15.2	150.8	273	
2	5.816E-02	2.180E-02	1.538 E-02	1.0 80E -03	2.742 E-02	9.770E -03	97.3 4		98.42	6.87	57.4	20.9	-	0.01	
3	6.277E-02	2.280E-02	1.435 E-02	1.2 10E -03	3.174 E-02	1.090E -02	97.2 9		91.82	7.68	61.82	21.8	-	0.01	
4	3.411E-02	4.360E-02	1.615 E-02	1.3 60E -03	1.532 E-02	1.920E -02	95.5 7		103.3	8.61	34.06	42.8	-	0.02	
5	8.848E-02	1.690E-02	1.704 E-02	1.3 60E -03	3.766 E-02	6.220E -03	98.5 3		108.9	8.63	86.08	15.8	-	0.01	
6	1.112E-01	2.120E-02	1.618 E-02	1.2 30E -03	4.987 E-02	8.550E -03	99.1 2		103.4	7.83	107.1	19.4	188.9	399	
7	4.919E-02	1.160E-01	1.551 E-02	1.5 10E -03	2.301 E-02	5.380E -02	90.9 2		99.19	9.56	48.75	112	-	0.05	
8	1.102E-01	1.120E-02	1.631 E-02	1.2 60E -03	4.900 E-02	3.380E -03	100		104.3	7.99	106.1	10.3	147.8	162	
9	6.614E-02	2.810E-02	1.606 E-02	1.3 00E -03	2.987 E-02	1.200E -02	97.0 3		102.7	8.27	65.03	26.7	-	0.01	
10	8.591E-02	2.630E-02	1.604 E-02	1.4 20E -03	3.884 E-02	1.100E -02	98.3 2		102.6	8.99	83.68	24.6	-	0.01	
<i>Notes:</i>								<i>Rejected U-Pb ages:</i>							
<sup>1</sup> Spot ID: # is the zircon spot number								<sup>a</sup> Low radiogenic lead							
<sup>2</sup> Negative values for isotopic ratios, ages, and errors are rejected								<sup>b</sup> Analytical error							
<sup>3</sup> Data for <i>PH-11-10-15-13</i> were calculated without the <sup>206</sup> Pb correction								<sup>c</sup> Inherited zircon							
The weighted mean age for <i>PH-11-10-15-13</i> is from the single main population of Mesoproterozoic <sup>207</sup> Pb/ <sup>206</sup> Pb ages								<sup>d</sup> Discordant U-Pb age							
Dashes are immeasurable quantities and rejected															
E-01 = x 0.1, E-02 = x 0.01, E-03 = x 0.001															

**Table S3.** U-Pb detrital zircon geochronology data of metasedimentary rocks of the Tidding and Mayodia mélanges complexes

Sample/analysis	Isotopic ratios								Apparent ages (Ma)						Best age	
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	Error corr.	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	(Ma)	$\pm$ (Ma)	
PH-1-8-13-26-002	0.161 2	0.0 011	1.690 2	0.0 244	0.0761	0.0 013	0.9	963	6	1005	9	1097	18	963	6	
PH-1-8-13-26-003	0.127 5	0.0 008	1.780 4	0.0 157	0.1013	0.0 013	0.9	774	4	1038	6	1648	8	-	-	
PH-1-8-13-26-004	0.166 5	0.0 012	1.697 2	0.0 277	0.0739	0.0 013	0.87	993	6	1007	10	1039	37	993	6	
PH-1-8-13-26-005	0.021 3	0.0 009	0.140 4	0.0 492	0.0478	0.0 169	0.9	136	5	133	44	91	522	136	5	
PH-1-8-13-26-006	0.197 6	0.0 022	2.146 1	0.0 615	0.0788	0.0 024	0.9	1162	12	1164	20	1167	39	1167	39	
PH-1-8-13-26-007	0.016 4	0.0 005	0.103 8	0.0 149	0.0461	0.0 068	0.71	105	3	100	14	-	-	105	3	
PH-1-8-13-26-008	0.191 4	0.0 011	2.089 6	0.0 186	0.0792	0.0 010	0.9	1129	6	1145	6	1178	9	1178	9	
PH-1-8-13-26-009	0.084 2	0.0 008	0.827 2	0.0 244	0.0713	0.0 022	0.9	521	5	612	14	966	44	-	-	
PH-1-8-13-26-010	0.216 7	0.0 016	2.532 1	0.0 362	0.0848	0.0 014	0.9	1265	8	1281	10	1310	17	1310	17	
PH-1-8-13-26-011	0.255 7	0.0 017	3.218 5	0.0 532	0.0913	0.0 016	0.87	1468	9	1462	13	1453	35	1453	35	
PH-1-8-13-26-012	0.311 2	0.0 021	4.553 4	0.0 479	0.1062	0.0 014	0.9	1746	10	1741	9	1735	10	1735	10	
PH-1-8-13-26-013	0.083 5	0.0 007	0.845 2	0.0 172	0.0734	0.0 017	0.9	517	4	622	9	1026	28	-	-	
PH-1-8-13-26-014	0.468 3	0.0 036	12.02 07	0.1 518	0.1862	0.0 028	0.89	2476	16	2606	12	2709	25	2709	25	
PH-1-8-13-26-015	0.098 3	0.0 006	1.081 7	0.0 161	0.0799	0.0 013	0.8	604	4	744	8	1193	32	-	-	
PH-1-8-13-26-016	0.146 5	0.0 008	1.407 4	0.0 121	0.0697	0.0 009	0.9	881	5	892	5	919	9	881	5	
PH-1-8-13-26-017	0.022 1	0.0 009	0.234 4	0.0 556	0.0769	0.0 185	0.9	141	6	214	46	1119	444	-	-	
PH-1-8-13-26-018	0.276 7	0.0 017	5.642 6	0.0 477	0.1480	0.0 018	0.9	1575	9	1923	7	2322	7	-	-	
PH-1-8-13-26-019	0.170 3	0.0 013	1.690 7	0.0 293	0.0720	0.0 014	0.9	1014	7	1005	11	986	23	986	23	
PH-1-8-13-26-020	0.084 5	0.0 006	0.721 0	0.0 120	0.0619	0.0 012	0.9	523	3	551	7	670	24	523	3	
PH-1-8-13-26-021	0.198 1	0.0 017	2.225 5	0.0 423	0.0815	0.0 017	0.9	1165	9	1189	13	1233	24	1233	24	
PH-1-8-13-26-022	0.058 2	0.0 005	1.289 7	0.0 201	0.1608	0.0 028	0.9	364	3	841	9	2464	30	-	-	
PH-1-8-13-26-023	0.247 4	0.0 023	3.176 5	0.0 828	0.0931	0.0 026	0.88	1425	12	1451	20	1490	54	1490	54	
PH-1-8-13-26-024	0.163 4	0.0 011	1.704 2	0.0 236	0.0757	0.0 013	0.9	976	6	1010	9	1086	17	976	6	

PH-1-8-13-26-025	0.1176	0.0008	1.1871	0.0163	0.0732	0.0012	0.9	717	4	795	8	1021	17	-	-
PH-1-8-13-26-026	0.0201	0.0006	0.1293	0.0317	0.0467	0.0115	0.8	128	4	123	29	35	405	128	4
PH-1-8-13-26-027	0.2056	0.0016	2.3254	0.0397	0.0821	0.0016	0.9	1205	9	1220	12	1247	21	1247	21
PH-1-8-13-26-028	0.2609	0.0033	3.4551	0.1233	0.0960	0.0036	0.88	1494	17	1517	28	1549	73	1549	73
PH-1-8-13-26-029	0.1394	0.0010	2.2108	0.0359	0.1150	0.0021	0.88	841	6	1184	11	1880	33	-	-
PH-1-8-13-26-030	0.1215	0.0010	1.1323	0.0297	0.0676	0.0019	0.86	739	5	769	14	855	58	739	5
PH-1-8-13-26-031	0.1376	0.0010	1.4155	0.0237	0.0746	0.0014	0.9	831	6	895	10	1058	22	831	6
PH-1-8-13-26-032	0.1155	0.0011	1.0412	0.0315	0.0654	0.0021	0.86	705	6	725	16	786	68	705	6
PH-1-8-13-26-033	0.1745	0.0015	1.9249	0.0391	0.0800	0.0018	0.9	1037	8	1090	14	1198	27	-	-
PH-1-8-13-26-034	0.2283	0.0019	3.0900	0.0647	0.0982	0.0022	0.87	1325	10	1430	16	1590	43	-	-
PH-1-8-13-26-035	2.7458	0.7052	339.7022	86.6136	0.8975	0.0677	0.9	8513	1214	5921	258	5085	168	-	-
PH-1-8-13-26-036	0.0235	0.0012	0.2483	0.0651	0.0767	0.0204	0.9	150	7	225	53	1112	482	-	-
PH-1-8-13-26-037	0.1759	0.0021	1.8934	0.0609	0.0781	0.0026	0.9	1045	12	1079	21	1149	45	1149	45
PH-1-8-13-26-038	0.1750	0.0020	1.9114	0.0586	0.0792	0.0026	0.9	1040	11	1085	20	1178	43	-	-
PH-1-8-13-26-039	0.0134	0.0003	0.1264	0.0113	0.0683	0.0062	0.9	86	2	121	10	877	154	-	-
PH-1-8-13-26-040	0.1811	0.0012	1.8959	0.0255	0.0759	0.0012	0.9	1073	7	1080	9	1093	16	1093	16
PH-1-8-13-26-041	0.2384	0.0023	2.9939	0.0933	0.0911	0.0030	0.87	1378	12	1406	24	1448	64	1448	64
PH-1-8-13-26-042	0.0170	0.0005	0.3131	0.0291	0.1335	0.0130	0.9	109	3	277	23	2145	122	-	-
PH-1-8-13-26-043	0.2284	0.0016	3.9209	0.0517	0.1245	0.0019	0.9	1326	8	1618	11	2022	27	-	-
PH-1-8-13-26-044	0.1494	0.0012	1.8404	0.0352	0.0894	0.0019	0.9	897	7	1060	13	1413	24	-	-
PH-1-8-13-26-045	0.0190	0.0010	0.1581	0.0823	0.0603	0.0315	0.85	121	6	149	72	615	1044	-	-
PH-1-8-13-26-046	0.1794	0.0020	1.8610	0.0752	0.0752	0.0032	0.85	1064	11	1067	27	1075	86	1075	86
PH-1-8-13-26-047	0.0080	0.0004	0.0505	0.0037	0.0461	0.0039	0.76	51	2	50	4	-	-	51	2
PH-1-8-13-26-048	0.0487	0.0003	0.3908	0.0083	0.0582	0.0013	0.86	306	2	335	6	538	50	306	2
PH-1-8-13-26-049	0.1822	0.0012	1.9091	0.0225	0.0760	0.0011	0.9	1079	6	1084	8	1095	14	1095	14
PH-1-8-13-26-050	0.0062	0.0001	0.0393	0.0054	0.0461	0.0064	0.23	39.7	0.9	39	5	-	-	39.7	0.9

PH-1-8-13-26-051	0.0909	0.0008	0.7698	0.0195	0.0614	0.0017	0.9	561	5	580	11	655	39	561	5
PH-1-8-13-26-052	0.4891	0.0065	12.4611	0.3115	0.1848	0.0052	0.89	2567	28	2640	23	2696	48	2696	48
PH-1-8-13-26-053	0.3195	0.0022	4.8286	0.0546	0.1097	0.0016	0.9	1787	11	1790	10	1794	11	1794	11
PH-1-8-13-26-054	0.0965	0.0009	0.7980	0.0235	0.0600	0.0019	0.9	594	5	596	13	603	48	594	5
PH-1-8-13-26-055	0.1692	0.0021	1.8345	0.0617	0.0787	0.0028	0.9	1008	11	1058	22	1164	47	-	-
PH-1-8-13-26-056	0.0788	0.0011	0.6935	0.0355	0.0638	0.0034	0.9	489	7	535	21	736	85	489	7
PH-1-8-13-26-057	0.2056	0.0024	2.3520	0.0699	0.0830	0.0026	0.9	1205	13	1228	21	1269	40	1269	40
PH-1-8-13-26-058	0.2430	0.0018	3.4629	0.0561	0.1034	0.0018	0.88	1402	9	1519	13	1686	34	-	-
PH-1-8-13-26-059	0.0971	0.0026	1.0819	0.1023	0.0808	0.0078	0.9	598	15	745	50	1217	145	-	-
PH-1-8-13-26-060	0.1197	0.0009	1.3492	0.0205	0.0818	0.0015	0.9	729	5	867	9	1240	19	-	-
PH-1-8-13-26-061	0.1080	0.0007	1.1008	0.0136	0.0739	0.0011	0.9	661	4	754	7	1039	15	-	-
PH-1-8-13-26-062	0.0887	0.0006	0.8433	0.0163	0.0690	0.0014	0.86	548	4	621	9	898	43	-	-
PH-1-8-13-26-063	0.1458	0.0013	2.1174	0.0433	0.1054	0.0024	0.9	877	7	1154	14	1721	24	-	-
PH-1-8-13-26-064	0.1987	0.0018	2.2344	0.0491	0.0816	0.0019	0.9	1168	10	1192	15	1236	29	1236	29
PH-1-8-13-26-065	0.0225	0.0011	0.1726	0.0536	0.0556	0.00175	0.9	144	7	162	46	436	508	-	-
PH-1-8-13-26-066	0.0232	0.0006	0.3372	0.0291	0.1053	0.00094	0.9	148	4	295	22	1719	123	-	-
PH-1-8-13-26-067	0.2291	0.0016	2.8813	0.0531	0.0912	0.0018	0.87	1330	8	1377	14	1451	38	1451	38
PH-1-8-13-26-068	0.1272	0.0011	1.3411	0.0295	0.0765	0.0018	0.9	772	6	864	13	1108	30	-	-
PH-1-8-13-26-069	0.0235	0.0007	0.2653	0.0306	0.0818	0.00097	0.9	150	4	239	25	1240	183	-	-
PH-1-8-13-26-070	0.2609	0.0027	3.6048	0.0806	0.1002	0.0024	0.9	1495	14	1551	18	1628	26	1628	26
PH-1-8-13-26-071	0.0177	0.0007	0.1397	0.0325	0.0573	0.00135	0.9	113	5	133	29	504	410	-	-
PH-1-8-13-26-072	0.2351	0.0019	3.1099	0.0698	0.0959	0.0023	0.89	1361	10	1435	17	1546	46	-	-
PH-1-8-13-26-073	0.1673	0.0014	1.7445	0.0341	0.0757	0.0016	0.9	997	8	1025	13	1086	26	997	8
PH-1-8-13-26-074	0.1041	0.0015	0.9023	0.0447	0.0629	0.0032	0.9	638	9	653	24	705	81	638	9
PH-1-8-13-26-075	0.0208	0.0004	0.1506	0.0124	0.0525	0.00044	0.9	133	2	142	11	306	155	133	2
PH-1-8-13-26-076	0.0067	0.0001	0.0425	0.0014	0.0461	0.0016	0.64	43	0.5	42	1	-	-	43	0.5

PH-1-8-13-26-077	0.069 2	0.0 006	0.632 0	0.0 160	0.0662 0.0 018	0.9		432	4	497	10	813	38	-	-
PH-1-8-13-26-078	0.021 4	0.0 004	0.215 4	0.0 177	0.0732 0.0 062	0.9		136	2	198	15	1019	139	-	-
PH-1-8-13-26-079	0.020 3	0.0 004	0.129 1	0.0 129	0.0461 0.0 047	0.74		130	2	123	12	-	-	130	2
PH-1-8-13-26-080	0.144 2	0.0 009	1.399 3	0.0 175	0.0704 0.0 011	0.9		868	5	889	7	940	15	868	5
PH-1-8-13-26-081	0.307 0	0.0 018	5.373 8	0.0 393	0.1270 0.0 014	0.9		1726	9	1881	6	2057	6	-	-
PH-1-8-13-26-082	0.087 0	0.0 009	1.079 6	0.0 340	0.0900 0.0 030	0.9		538	6	743	17	1426	43	-	-
PH-1-8-13-26-083	0.148 6	0.0 013	1.783 1	0.0 376	0.0871 0.0 020	0.9		893	7	1039	14	1362	27	-	-
PH-1-8-13-26-084	0.262 5	0.0 017	3.619 8	0.0 390	0.1000 0.0 014	0.9		1503	9	1554	9	1625	11	1625	11
PH-1-8-13-26-085	0.288 8	0.0 025	4.106 1	0.0 761	0.1031 0.0 021	0.88		1636	12	1656	15	1681	39	1681	39
PH-1-8-13-26-086	0.575 1	0.0 037	16.91 45	0.1 274	0.2134 0.0 024	0.9		2929	15	2930	7	2931	5	2931	5
PH-1-8-13-26-087	0.013 9	0.0 002	0.088 0	0.0 025	0.0461 0.0 015	0.53		89	1	86	2	-	-	89	1
PH-1-8-13-26-088	0.505 0	0.0 038	12.89 17	0.1 297	0.1852 0.0 024	0.9		2635	16	2672	9	2700	8	2700	8
PH-1-8-13-26-089	0.237 9	0.0 016	2.873 6	0.0 362	0.0876 0.0 013	0.9		1376	9	1375	9	1375	14	1375	14
PH-1-8-13-26-090	0.272 1	0.0 018	3.595 6	0.0 385	0.0959 0.0 013	0.9		1552	9	1549	8	1545	11	1545	11
PH-1-8-13-26-091	0.209 1	0.0 013	3.132 5	0.0 281	0.1087 0.0 014	0.9		1224	7	1441	7	1777	8	-	-
PH-1-8-13-26-092	0.358 4	0.0 024	7.818 8	0.0 834	0.1582 0.0 020	0.91		1975	11	2210	10	2437	22	-	-
PH-1-8-13-26-093	0.215 2	0.0 014	3.422 0	0.0 368	0.1153 0.0 014	0.89		1256	7	1509	8	1885	23	-	-
PH-1-8-13-26-094	0.021 3	0.0 002	0.143 0	0.0 063	0.0487 0.0 022	0.9		136	1	136	6	131	82	136	1
PH-1-8-13-26-095	0.142 3	0.0 026	1.297 2	0.0 753	0.0661 0.0 039	0.9		858	15	844	33	811	91	858	15
PH-1-8-13-26-096	0.013 3	0.0 007	0.088 8	0.0 293	0.0484 0.0 162	0.9		85	5	86	27	120	472	85	5
PH-1-8-13-26-097	0.407 9	0.0 030	9.219 2	0.1 081	0.1639 0.0 023	0.9		2205	14	2360	11	2497	24	-	-
PH-1-8-13-26-098	0.182 7	0.0 011	1.891 9	0.0 206	0.0751 0.0 011	0.9		1082	6	1078	7	1071	12	1071	12
PH-1-8-13-26-099	0.088 3	0.0 007	0.712 4	0.0 163	0.0585 0.0 015	0.9		546	4	546	10	549	36	546	4
PH-1-8-13-26-100	0.185 8	0.0 013	2.089 7	0.0 286	0.0816 0.0 013	0.9		1098	7	1145	9	1236	16	-	-
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	Error corr.	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	(Ma)	± (Ma)

PH-1-9-13-10-001	0.267 9	0.0 021	3.753 7	0.0 524	0.1017	0.0 017	0.9		1530	10	1583	11	1654	15		1654	15
PH-1-9-13-10-002	0.346 4	0.0 043	4.706 2	0.1 319	0.0986	0.0 029	0.9		1917	21	1768	23	1597	34		-	-
PH-1-9-13-10-003	0.258 7	0.0 021	3.351 2	0.0 548	0.0940	0.0 017	0.9		1483	11	1493	13	1508	19		1508	19
PH-1-9-13-10-004	0.236 6	0.0 021	2.879 1	0.0 575	0.0883	0.0 019	0.9		1369	11	1376	15	1388	25		1388	25
PH-1-9-13-10-005	0.247 6	0.0 023	3.125 5	0.0 616	0.0916	0.0 020	0.9		1426	12	1439	15	1458	24		1458	24
PH-1-9-13-10-006	0.227 8	0.0 022	2.630 9	0.0 616	0.0838	0.0 021	0.9		1323	12	1309	17	1287	30		1287	30
PH-1-9-13-10-007	0.204 1	0.0 014	2.190 3	0.0 296	0.0778	0.0 013	0.9		1197	8	1178	9	1143	16		<b>1143</b>	<b>16</b>
PH-1-9-13-10-008	0.261 3	0.0 024	3.481 4	0.0 656	0.0966	0.0 020	0.9		1497	12	1523	15	1560	22		1560	22
PH-1-9-13-10-009	0.187 6	0.0 017	2.169 5	0.0 480	0.0839	0.0 020	0.86		1109	9	1171	15	1289	47		-	-
PH-1-9-13-10-010	0.244 5	0.0 034	3.144 8	0.1 325	0.0933	0.0 041	0.84		1410	18	1444	32	1494	86		1494	86
PH-1-9-13-10-011	0.305 4	0.0 063	7.480 9	0.2 940	0.1777	0.0 071	0.9		1718	31	2171	35	2632	38		-	-
PH-1-9-13-10-012	0.244 0	0.0 038	4.243 0	0.1 446	0.1262	0.0 045	0.9		1407	19	1682	28	2045	38		-	-
PH-1-9-13-10-013	0.219 9	0.0 021	2.619 7	0.0 579	0.0864	0.0 021	0.9		1282	11	1306	16	1347	28		1347	28
PH-1-9-13-10-014	0.250 8	0.0 027	3.213 7	0.0 803	0.0930	0.0 025	0.9		1442	14	1460	19	1487	31		1487	31
PH-1-9-13-10-015	0.268 6	0.0 029	4.060 0	0.0 904	0.1097	0.0 026	0.9		1534	14	1646	18	1794	25		-	-
PH-1-9-13-10-016	0.276 4	0.0 023	3.573 5	0.0 581	0.0938	0.0 017	0.9		1573	12	1544	13	1504	18		1504	18
PH-1-9-13-10-017	0.258 9	0.0 030	3.587 6	0.0 955	0.1005	0.0 028	0.9		1484	16	1547	21	1634	32		-	-
PH-1-9-13-10-018	0.282 6	0.0 037	3.956 1	0.1 206	0.1016	0.0 032	0.9		1604	19	1625	25	1653	37		1653	37
PH-1-9-13-10-019	0.125 6	0.0 018	1.303 9	0.0 774	0.0753	0.0 046	0.84		763	10	847	34	1077	126		-	-
PH-1-9-13-10-020	0.239 5	0.0 025	2.942 5	0.0 731	0.0891	0.0 024	0.9		1384	13	1393	19	1407	31		1407	31
PH-1-9-13-10-021	0.229 6	0.0 033	3.385 7	0.1 167	0.1070	0.0 038	0.9		1333	17	1501	27	1748	42		-	-
PH-1-9-13-10-022	0.241 0	0.0 031	3.935 3	0.1 087	0.1185	0.0 035	0.9		1392	16	1621	22	1933	31		-	-
PH-1-9-13-10-023	0.239 0	0.0 049	4.651 8	0.2 173	0.1412	0.0 068	0.9		1382	25	1759	39	2242	53		-	-
PH-1-9-13-10-024	0.293 1	0.0 049	5.562 9	0.1 957	0.1377	0.0 050	0.9		1657	24	1910	30	2198	38		-	-
PH-1-9-13-10-025	0.245 7	0.0 042	3.907 7	0.1 606	0.1154	0.0 049	0.9		1416	22	1615	33	1886	49		-	-
PH-1-9-13-10-026	0.095 6	0.0 014	0.924 2	0.0 618	0.0701	0.0 048	0.84		589	8	665	33	931	145		-	-

PH-1-9-13-10-027	0.2217	0.0020	2.5697	0.0536	0.0841	0.0019	0.9		1291	11	1292	15	1295	26		1295	26
PH-1-9-13-10-028	0.2542	0.0025	3.5383	0.0744	0.1010	0.0023	0.9		1460	13	1536	17	1642	24	-	-	-
PH-1-9-13-10-029	0.2698	0.0038	4.1577	0.1306	0.1118	0.0037	0.9		1540	19	1666	26	1829	37	-	-	-
PH-1-9-13-10-030	0.2463	0.0023	3.1091	0.0634	0.0916	0.0020	0.9		1419	12	1435	16	1458	25		1458	25
PH-1-9-13-10-031	0.2263	0.0024	2.7161	0.0695	0.0871	0.0024	0.9		1315	13	1333	19	1362	33		1362	33
PH-1-9-13-10-032	0.2837	0.0054	3.9265	0.1868	0.1004	0.0049	0.9		1610	27	1619	38	1632	60		1632	60
PH-1-9-13-10-033	0.2394	0.0031	4.2857	0.1182	0.1299	0.0038	0.9		1384	16	1691	23	2096	31	-	-	-
PH-1-9-13-10-034	0.2438	0.0037	3.2915	0.1284	0.0979	0.0039	0.9		1407	19	1479	30	1585	50	-	-	-
PH-1-9-13-10-035	0.3739	0.0066	5.9237	0.2328	0.1149	0.0046	0.9		2048	31	1965	34	1879	45		1879	45
PH-1-9-13-10-036	0.2832	0.0031	3.8979	0.0941	0.0999	0.0026	0.9		1607	16	1613	20	1621	29		1621	29
PH-1-9-13-10-037	0.2266	0.0028	2.7729	0.0866	0.0888	0.0029	0.9		1317	15	1348	23	1399	41		1399	41
PH-1-9-13-10-038	0.2971	0.0048	4.3631	0.1637	0.1066	0.0041	0.9		1677	24	1705	31	1741	45		1741	45
PH-1-9-13-10-039	0.1569	0.0016	1.5463	0.0488	0.0715	0.0024	0.86		940	9	949	19	971	69	<b>940</b>	<b>9</b>	<b>9</b>
PH-1-9-13-10-040	0.2066	0.0020	2.3818	0.0565	0.0836	0.0021	0.9		1211	11	1237	17	1284	31		1284	31
PH-1-9-13-10-041	0.1770	0.0017	2.1359	0.0508	0.0875	0.0022	0.9		1051	9	1160	16	1372	31	-	-	-
PH-1-9-13-10-042	0.2335	0.0019	2.7396	0.0485	0.0851	0.0017	0.9		1353	10	1339	13	1318	22		1318	22
PH-1-9-13-10-043	0.1779	0.0022	1.8692	0.0735	0.0762	0.0031	0.86		1056	12	1070	26	1100	85		1100	85
PH-1-9-13-10-044	0.2314	0.0026	2.7411	0.0765	0.0859	0.0025	0.9		1342	13	1340	21	1336	37		1336	37
PH-1-9-13-10-045	0.2419	0.0033	2.6474	0.0990	0.0794	0.0031	0.9		1397	17	1314	28	1182	52	-	-	-
PH-1-9-13-10-046	0.3039	0.0037	4.6105	0.1182	0.1101	0.0030	0.9		1711	18	1751	21	1801	29		1801	29
PH-1-9-13-10-047	0.3019	0.0039	4.7223	0.1334	0.1135	0.0033	0.9		1701	19	1771	24	1856	32		1856	32
PH-1-9-13-10-048	0.2935	0.0029	4.3198	0.0859	0.1068	0.0023	0.9		1659	14	1697	16	1745	22		1745	22
PH-1-9-13-10-049	0.2160	0.0020	2.4241	0.0521	0.0814	0.0019	0.9		1261	10	1250	15	1231	28		1231	28
PH-1-9-13-10-050	0.2899	0.0024	4.1307	0.0656	0.1034	0.0019	0.9		1641	12	1660	13	1686	17		1686	17
PH-1-9-13-10-051	0.2573	0.0023	3.2824	0.0598	0.0926	0.0019	0.9		1476	12	1477	14	1479	21		1479	21
PH-1-9-13-10-052	0.2024	0.0018	2.2976	0.0500	0.0824	0.0019	0.86		1188	10	1212	15	1254	47		1254	47

PH-1-9-13-10-053	0.228 7	0.0 020	2.756 5	0.0 526	0.0875	0.0 018	0.9		1328	10	1344	14	1370	23		1370	23
PH-1-9-13-10-054	0.341 3	0.0 044	5.961 1	0.1 543	0.1267	0.0 034	0.9		1893	21	1970	23	2053	28		2053	28
PH-1-9-13-10-055	0.289 4	0.0 031	3.862 0	0.0 887	0.0968	0.0 024	0.9		1638	15	1606	19	1564	27		1564	27
PH-1-9-13-10-056	0.215 5	0.0 027	2.644 5	0.0 883	0.0891	0.0 031	0.9		1258	14	1313	25	1405	45		-	-
PH-1-9-13-10-057	0.329 1	0.0 029	5.015 5	0.0 818	0.1106	0.0 020	0.9		1834	14	1822	14	1808	17		1808	17
PH-1-9-13-10-058	0.281 0	0.0 023	3.841 1	0.0 575	0.0992	0.0 017	0.9		1596	11	1601	12	1609	16		1609	16
PH-1-9-13-10-059	0.265 5	0.0 022	3.412 8	0.0 542	0.0933	0.0 017	0.9		1518	11	1507	12	1493	18		1493	18
PH-1-9-13-10-060	0.211 3	0.0 017	2.839 8	0.0 483	0.0975	0.0 018	0.86		1236	9	1366	13	1576	36		-	-
PH-1-9-13-10-061	0.216 9	0.0 019	2.571 8	0.0 512	0.0860	0.0 019	0.9		1265	10	1293	15	1339	25		1339	25
PH-1-9-13-10-062	0.250 7	0.0 023	3.506 2	0.0 657	0.1015	0.0 021	0.9		1442	12	1529	15	1651	21		-	-
PH-1-9-13-10-063	0.211 2	0.0 017	2.413 9	0.0 414	0.0829	0.0 016	0.9		1235	9	1247	12	1267	21		1267	21
PH-1-9-13-10-064	0.292 8	0.0 033	4.616 3	0.1 066	0.1144	0.0 028	0.9		1656	16	1752	19	1870	26		-	-
PH-1-9-13-10-065	0.239 4	0.0 020	3.116 2	0.0 536	0.0944	0.0 018	0.9		1384	10	1437	13	1517	20		1517	20
PH-1-9-13-10-066	0.239 0	0.0 019	3.022 8	0.0 475	0.0918	0.0 017	0.9		1382	10	1413	12	1462	18		1462	18
PH-1-9-13-10-067	0.215 4	0.0 015	2.537 4	0.0 321	0.0855	0.0 013	0.9		1257	8	1283	9	1326	14		1326	14
PH-1-9-13-10-068	0.218 1	0.0 016	2.485 5	0.0 367	0.0827	0.0 014	0.9		1272	9	1268	11	1262	17		1262	17
PH-1-9-13-10-069	0.215 5	0.0 016	2.408 6	0.0 355	0.0811	0.0 014	0.9		1258	8	1245	11	1223	17		1223	17
PH-1-9-13-10-070	0.200 7	0.0 015	2.212 4	0.0 337	0.0800	0.0 014	0.9		1179	8	1185	11	1197	18		<b>1197</b>	<b>18</b>
Isotopic ratios and ages were corrected for common lead																	
Sample/analysis designation corresponds to the sampling date, traverse stop, and analysis number																	
The youngest three concordant ages are bolded, the youngest one age is interpreted to be maximum depositional age																	

**Table S4.** U-Pb detrital zircon geochronology data of Mayodia gneiss metasedimentary rocks

Sample/ analysis	Isotopic ratios								Apparent ages (Ma)				Best age		
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	Error corr.	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	(Ma)	$\pm$ (Ma)
PH-1-3-13-8-001	0.0088	0.0001	0.0566	0.0020	0.0467	0.0017	0.9	56.4	0.5	56	2	35	60	1130	11
PH-1-3-13-8-002	0.1924	0.0012	2.0508	0.0208	0.0773	0.0010	0.89	1134	7	1133	7	1130	11	1236	25
PH-1-3-13-8-003	0.1948	0.0012	2.1919	0.0233	0.0816	0.0010	0.87	1147	7	1178	7	1236	25	-	-
PH-1-3-13-8-004	0.1247	0.0007	1.3441	0.0106	0.0782	0.0008	0.9	758	4	865	5	1151	20	1493	14
PH-1-3-13-8-005	0.2571	0.0018	3.3029	0.0419	0.0932	0.0014	0.9	1475	9	1482	10	1493	14	1108	11
PH-1-3-13-8-006	0.1869	0.0012	1.9696	0.0206	0.0765	0.0010	0.9	1104	6	1105	7	1108	11	1117	13
PH-1-3-13-8-007	0.1886	0.0012	1.9974	0.0226	0.0768	0.0011	0.9	1114	7	1115	8	1117	13	1213	11
PH-1-3-13-8-008	0.2050	0.0013	2.2791	0.0241	0.0807	0.0011	0.89	1202	7	1206	7	1213	11	-	-
PH-1-3-13-8-009	0.2557	0.0017	3.5667	0.0426	0.1012	0.0014	0.9	1468	9	1542	9	1646	26	1528	9
PH-1-3-13-8-010	0.2650	0.0017	3.4695	0.0322	0.0950	0.0012	0.9	1515	9	1520	7	1528	9	1356	7
PH-1-3-13-8-011	0.2118	0.0013	2.5340	0.0209	0.0868	0.0010	0.9	1239	7	1282	6	1356	7	1244	11
PH-1-3-13-8-012	0.2123	0.0013	2.3976	0.0243	0.0820	0.0011	0.9	1241	7	1242	7	1244	11	1170	9
PH-1-3-13-8-013	0.1948	0.0012	2.1184	0.0195	0.0789	0.0010	0.9	1147	7	1155	6	1170	9	1088	9
PH-1-3-13-8-014	0.1810	0.0011	1.8885	0.0165	0.0757	0.0009	0.9	1072	6	1077	6	1088	9	1228	10
PH-1-3-13-8-015	0.2089	0.0013	2.3392	0.0235	0.0813	0.0011	0.9	1223	7	1224	7	1228	10	1134	10
PH-1-3-13-8-016	0.1926	0.0012	2.0565	0.0197	0.0775	0.0010	0.9	1135	6	1134	7	1134	10	1368	8
PH-1-3-13-8-017	0.2397	0.0015	2.8857	0.0254	0.0874	0.0011	0.9	1385	8	1378	7	1368	8	1163	13
PH-1-3-13-8-018	0.1999	0.0013	2.1665	0.0251	0.0787	0.0011	0.9	1175	7	1170	8	1163	13	-	-
PH-1-3-13-8-019	0.2444	0.0015	3.3089	0.0263	0.0982	0.0011	0.9	1410	8	1483	6	1591	7	1124	11
PH-1-3-13-8-020	0.1974	0.0013	2.0983	0.0216	0.0771	0.0010	0.9	1162	7	1148	7	1124	11	1171	11
PH-1-3-13-8-021	0.1891	0.0013	2.0581	0.0219	0.0790	0.0011	0.9	1116	7	1135	7	1171	11	1180	7
PH-1-3-13-8-022	0.1994	0.0012	2.1792	0.0167	0.0793	0.0009	0.89	1172	7	1174	5	1180	7	-	-
PH-1-3-13-8-023	0.1891	0.0012	2.1451	0.0236	0.0823	0.0011	0.88	1116	7	1163	8	1252	26	1243	26

PH-1-3-13-8-024	0.2074	0.0013	2.3416	0.0269	0.0819	0.0011	0.91	1215	7	1225	8	1243	26	1458	25
PH-1-3-13-8-025	0.2317	0.0015	2.9237	0.0323	0.0915	0.0012	0.9	1343	8	1388	8	1458	25	1170	9
PH-1-3-13-8-026	0.1868	0.0012	2.0315	0.0187	0.0789	0.0010	0.9	1104	6	1126	6	1170	9	1162	8
PH-1-3-13-8-027	0.1804	0.0011	1.9537	0.0162	0.0786	0.0009	0.9	1069	6	1100	6	1162	8	1161	9
PH-1-3-13-8-028	0.1870	0.0012	2.0255	0.0181	0.0786	0.0010	0.9	1105	6	1124	6	1161	9	1327	28
PH-1-3-13-8-029	0.2087	0.0014	2.4605	0.0305	0.0855	0.0012	0.9	1222	7	1261	9	1327	28	1148	13
PH-1-3-13-8-030	0.1891	0.0013	2.0345	0.0242	0.0781	0.0011	0.9	1116	7	1127	8	1148	13	1489	12
PH-1-3-13-8-031	0.2584	0.0018	3.3140	0.0377	0.0930	0.0013	0.9	1482	9	1484	9	1489	12	1174	7
PH-1-3-13-8-032	0.1896	0.0012	2.0668	0.0166	0.0791	0.0009	0.9	1119	6	1138	5	1174	7	1531	6
PH-1-3-13-8-033	0.2632	0.0016	3.4507	0.0260	0.0951	0.0011	0.9	1506	8	1516	6	1531	6	-	-
PH-1-3-13-8-034	0.2313	0.0014	3.0398	0.0268	0.0953	0.0010	0.9	1341	8	1418	7	1534	21	-	-
PH-1-3-13-8-035	0.2180	0.0014	2.7237	0.0245	0.0906	0.0010	0.9	1271	7	1335	7	1439	21	1165	10
PH-1-3-13-8-036	0.1899	0.0012	2.0600	0.0205	0.0787	0.0010	0.9	1121	7	1136	7	1165	10	1218	22
PH-1-3-13-8-037	0.1883	0.0012	2.0994	0.0192	0.0809	0.0009	0.82	1112	6	1149	6	1218	22	-	-
PH-1-3-13-8-038	0.0972	0.0006	1.1014	0.0100	0.0822	0.0009	0.9	598	3	754	5	1249	22	1279	7
PH-1-3-13-8-039	0.2133	0.0013	2.4519	0.0195	0.0834	0.0010	0.9	1246	7	1258	6	1279	7	1171	9
PH-1-3-13-8-040	0.1924	0.0012	2.0943	0.0198	0.0790	0.0010	0.9	1134	7	1147	6	1171	9	1272	8
PH-1-3-13-8-041	0.2154	0.0013	2.4667	0.0219	0.0831	0.0010	0.9	1257	7	1262	6	1272	8	1240	8
PH-1-3-13-8-042	0.2052	0.0013	2.3129	0.0194	0.0818	0.0010	0.9	1203	7	1216	6	1240	8	-	-
PH-1-3-13-8-043	0.2144	0.0013	2.6240	0.0192	0.0888	0.0010	0.9	1252	7	1307	5	1400	6	1164	9
PH-1-3-13-8-044	0.1926	0.0012	2.0882	0.0195	0.0787	0.0010	0.9	1135	7	1145	6	1164	9	1093	10
PH-1-3-13-8-045	0.1872	0.0012	1.9587	0.0188	0.0759	0.0010	0.9	1106	7	1101	6	1093	10	<b>1073</b>	<b>8</b>
PH-1-3-13-8-046	0.1831	0.0012	1.8973	0.0163	0.0752	0.0009	0.9	1084	6	1080	6	1073	8	1110	7
PH-1-3-13-8-047	0.1858	0.0011	1.9609	0.0148	0.0766	0.0009	0.9	1098	6	1102	5	1110	7	1342	27
PH-1-3-13-8-048	0.2174	0.0014	2.5832	0.0309	0.0862	0.0012	0.9	1268	7	1296	9	1342	27	<b>1069</b>	<b>13</b>
PH-1-3-13-8-049	0.1802	0.0012	1.8637	0.0213	0.0750	0.0011	0.89	1068	6	1068	8	1069	13	1593	21

PH-1-3-13-8-050	0.269 7	0.001 7	3.656 3	0.0 326	0.0983	0.0 011	0.9	1539	9	1562	7	1593	21		<b>1079</b>	<b>11</b>
PH-1-3-13-8-051	0.183 9	0.001 2	1.911 3	0.0 201	0.0754	0.0 010	0.9	1088	7	1085	7	1079	11		1238	9
PH-1-3-13-8-052	0.206 7	0.001 3	2.328 2	0.0 211	0.0817	0.0 010	0.9	1211	7	1221	6	1238	9		1290	11
PH-1-3-13-8-053	0.208 8	0.001 4	2.414 6	0.0 251	0.0839	0.0 011	0.9	1223	7	1247	7	1290	11		1235	19
PH-1-3-13-8-054	0.215 0	0.001 5	2.417 6	0.0 372	0.0816	0.0 014	0.9	1256	8	1248	11	1235	19		-	-
PH-1-3-13-8-055	0.195 5	0.001 2	2.478 7	0.0 197	0.0920	0.0 011	0.91	1151	7	1266	6	1467	7		-	-
PH-1-3-13-8-056	0.231 9	0.001 5	3.047 8	0.0 302	0.0953	0.0 011	0.9	1345	8	1420	8	1534	23		-	-
PH-1-3-13-8-057	0.228 9	0.001 4	2.955 5	0.0 253	0.0937	0.0 010	0.9	1329	7	1396	7	1501	20		1259	8
PH-1-3-13-8-058	0.213 6	0.001 3	2.431 1	0.0 215	0.0826	0.0 010	0.9	1248	7	1252	6	1259	8		1210	11
PH-1-3-13-8-059	0.205 3	0.001 3	2.278 7	0.0 234	0.0805	0.0 011	0.89	1204	7	1206	7	1210	11		1383	23
PH-1-3-13-8-060	0.228 2	0.001 4	2.769 3	0.0 275	0.0880	0.0 010	0.9	1325	8	1347	7	1383	23		1251	13
PH-1-3-13-8-061	0.212 3	0.001 4	2.407 2	0.0 284	0.0822	0.0 012	0.9	1241	7	1245	8	1251	13		1204	12
PH-1-3-13-8-062	0.204 8	0.001 3	2.266 8	0.0 243	0.0803	0.0 011	0.89	1201	7	1202	8	1204	12		1086	34
PH-1-3-13-8-063	0.180 9	0.001 2	1.887 1	0.0 287	0.0757	0.0 013	0.9	1072	7	1077	10	1086	34		1261	12
PH-1-3-13-8-064	0.221 7	0.001 4	2.526 0	0.0 282	0.0827	0.0 011	0.9	1291	8	1280	8	1261	12		1123	7
PH-1-3-13-8-065	0.188 5	0.001 2	2.002 5	0.0 156	0.0771	0.0 009	0.9	1113	6	1116	5	1123	7		1743	25
PH-1-3-13-8-066	0.292 1	0.002 0	4.295 5	0.0 483	0.1067	0.0 014	0.9	1652	10	1692	9	1743	25		1264	8
PH-1-3-13-8-067	0.215 9	0.001 3	2.463 3	0.0 202	0.0828	0.0 010	0.9	1260	7	1261	6	1264	8		1129	10
PH-1-3-13-8-068	0.190 4	0.001 2	2.028 4	0.0 201	0.0773	0.0 010	0.9	1123	7	1125	7	1129	10		1636	8
PH-1-3-13-8-069	0.285 5	0.001 8	3.961 1	0.0 340	0.1006	0.0 012	0.9	1619	9	1626	7	1636	8		1457	9
PH-1-3-13-8-070	0.247 7	0.001 6	3.125 3	0.0 290	0.0915	0.0 011	0.9	1427	8	1439	7	1457	9		1354	11
PH-1-3-13-8-071	0.229 9	0.001 5	2.747 9	0.0 292	0.0867	0.0 012	0.9	1334	8	1342	8	1354	11		1672	9
PH-1-3-13-8-072	0.293 3	0.002 0	4.150 1	0.0 422	0.1026	0.0 013	0.9	1658	10	1664	8	1672	9		1149	8
PH-1-3-13-8-073	0.200 0	0.001 3	2.153 6	0.0 190	0.0781	0.0 009	0.9	1175	7	1166	6	1149	8		1458	22
PH-1-3-13-8-074	0.235 4	0.001 5	2.972 5	0.0 281	0.0916	0.0 010	0.9	1363	8	1401	7	1458	22		1182	9
PH-1-3-13-8-075	0.200 3	0.001 3	2.192 2	0.0 205	0.0794	0.0 010	0.9	1177	7	1179	7	1182	9		1124	10

PH-1-3-13-8-076	0.1898	0.0012	2.0177	0.0195	0.0771	0.0010	0.89		1120	7	1121	7	1124	10		1116	27
PH-1-3-13-8-077	0.1888	0.0012	1.9994	0.0225	0.0768	0.0010	0.9		1115	7	1115	8	1116	27		1177	8
PH-1-3-13-8-078	0.2014	0.0013	2.1988	0.0185	0.0792	0.0009	0.9		1183	7	1181	6	1177	8		1152	9
PH-1-3-13-8-079	0.1959	0.0013	2.1130	0.0196	0.0782	0.0010	0.9		1153	7	1153	6	1152	9		1102	9
PH-1-3-13-8-080	0.1892	0.0012	1.9888	0.0187	0.0763	0.0010	0.89		1117	7	1112	6	1102	9		1115	30
PH-1-3-13-8-081	0.1919	0.0013	2.0311	0.0268	0.0768	0.0011	0.9		1131	7	1126	9	1115	30		1091	11
PH-1-3-13-8-082	0.1875	0.0013	1.9598	0.0208	0.0758	0.0010	0.9		1108	7	1102	7	1091	11		1612	7
PH-1-3-13-8-083	0.2832	0.0018	3.8784	0.0307	0.0994	0.0011	0.9		1607	9	1609	6	1612	7		1538	9
PH-1-3-13-8-084	0.2696	0.0018	3.5492	0.0339	0.0955	0.0012	0.89		1539	9	1538	8	1538	9	-	-	-
PH-1-3-13-8-085	0.2344	0.0014	3.0971	0.0223	0.0958	0.0009	0.9		1357	7	1432	6	1545	18		1100	7
PH-1-3-13-8-086	0.1841	0.0012	1.9331	0.0150	0.0762	0.0009	0.9		1089	6	1093	5	1100	7		1186	10
PH-1-3-13-8-087	0.1943	0.0013	2.1310	0.0210	0.0796	0.0010	0.9		1144	7	1159	7	1186	10		1447	16
PH-1-3-13-8-088	0.2645	0.0020	3.3193	0.0482	0.0910	0.0015	0.9		1513	10	1486	11	1447	16		1325	15
PH-1-3-13-8-089	0.2272	0.0016	2.6748	0.0359	0.0854	0.0013	0.9		1320	8	1322	10	1325	15		1612	9
PH-1-3-13-8-090	0.2821	0.0019	3.8642	0.0382	0.0994	0.0013	0.9		1602	10	1606	8	1612	9		1176	9
PH-1-3-13-8-091	0.1885	0.0012	2.0562	0.0187	0.0791	0.0010	0.9		1113	7	1134	6	1176	9		1374	13
PH-1-3-13-8-092	0.2332	0.0017	2.8172	0.0352	0.0876	0.0013	0.9		1351	9	1360	9	1374	13		1591	9
PH-1-3-13-8-093	0.2788	0.0019	3.7752	0.0377	0.0982	0.0013	0.88		1585	10	1587	8	1591	9		1310	33
PH-1-3-13-8-094	0.2162	0.0015	2.5263	0.0376	0.0848	0.0014	0.9		1261	8	1280	11	1310	33		1319	9
PH-1-3-13-8-095	0.2287	0.0015	2.6848	0.0254	0.0852	0.0011	0.9		1328	8	1324	7	1319	9		1167	11
PH-1-3-13-8-096	0.1940	0.0013	2.1083	0.0220	0.0788	0.0010	0.9		1143	7	1152	7	1167	11		1499	9
PH-1-3-13-8-097	0.2644	0.0018	3.4105	0.0337	0.0936	0.0012	0.9		1512	9	1507	8	1499	9		1311	8
PH-1-3-13-8-098	0.2257	0.0015	2.6383	0.0239	0.0848	0.0010	0.9		1312	8	1311	7	1311	8		1205	9
PH-1-3-13-8-099	0.2064	0.0014	2.2853	0.0216	0.0803	0.0010	0.9		1209	7	1208	7	1205	9		1219	7
PH-1-3-13-8-100	0.2074	0.0013	2.3136	0.0182	0.0809	0.0009	0.9		1215	7	1216	6	1219	7		1183	9

	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	Error corr.		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.		(Ma)	$\pm$ (Ma)
PH-1-3-13-9-001	0.2319	0.0015	0.0864	0.011	0.0864	0.011	0.9		1344	8	1345	7	1348	9	1348	9	
PH-1-3-13-9-002	0.1932	0.0013	0.0779	0.011	0.0779	0.011	0.9		1139	7	1141	8	1145	14	1145	14	
PH-1-3-13-9-003	0.1946	0.0013	0.0778	0.010	0.0778	0.010	0.9		1146	7	1145	7	1142	11	1142	11	
PH-1-3-13-9-004	0.1871	0.0012	0.0837	0.010	0.0837	0.010	0.9		1106	7	1168	6	1286	9			
PH-1-3-13-9-005	0.2385	0.0016	0.0874	0.011	0.0874	0.011	0.9		1379	8	1375	8	1370	10	1370	10	
PH-1-3-13-9-006	0.2267	0.0015	0.0849	0.010	0.0849	0.010	0.9		1317	8	1315	7	1313	8	1313	8	
PH-1-3-13-9-007	0.2024	0.0013	0.0798	0.010	0.0798	0.010	0.9		1188	7	1189	7	1192	10	1192	10	
PH-1-3-13-9-008	0.1837	0.0014	0.0761	0.013	0.0761	0.013	0.9		1087	7	1090	10	1097	17	1097	17	
PH-1-3-13-9-009	0.1856	0.0012	0.0760	0.010	0.0760	0.010	0.9		1097	7	1097	6	1096	10	1096	10	
PH-1-3-13-9-010	0.2021	0.0015	0.0792	0.014	0.0792	0.014	0.9		1186	8	1183	11	1178	20	1178	20	
PH-1-3-13-9-011	0.1951	0.0013	0.0821	0.010	0.0821	0.010	0.9		1149	7	1183	7	1247	10	1247	10	
PH-1-3-13-9-012	0.1339	0.0011	0.0662	0.019	0.0662	0.019	0.9		810	6	811	15	812	44	810	6	
PH-1-3-13-9-013	0.1628	0.0010	0.0831	0.009	0.0831	0.009	0.9		972	6	1068	5	1271	6	972	6	
PH-1-3-13-9-014	0.1415	0.0009	0.0671	0.010	0.0671	0.010	0.9		853	5	850	7	842	14	853	5	
PH-1-3-13-9-015	0.1546	0.0010	0.0786	0.010	0.0786	0.010	0.9		927	5	999	6	1162	9	927	5	
PH-1-3-13-9-016	0.2065	0.0014	0.0836	0.013	0.0836	0.013	0.9		1210	7	1236	9	1283	15	1283	15	
PH-1-3-13-9-017	0.1169	0.0008	0.0730	0.010	0.0730	0.010	0.9		713	4	790	6	1015	11	-	-	
PH-1-3-13-9-018	0.1406	0.0009	0.0680	0.009	0.0680	0.009	0.9		848	5	853	6	868	12	848	5	
PH-1-3-13-9-019	0.1806	0.0012	0.0753	0.010	0.0753	0.010	0.9		1070	6	1072	6	1076	10	1076	10	
PH-1-3-13-9-020	0.1399	0.0009	0.0741	0.010	0.0741	0.010	0.89		844	5	901	7	1044	28	844	5	
PH-1-3-13-9-021	0.1832	0.0012	0.0758	0.009	0.0758	0.009	0.9		1084	6	1086	5	1091	7	1091	7	
PH-1-3-13-9-022	0.1032	0.0006	0.0761	0.009	0.0761	0.009	0.91		633	4	745	5	1098	23	-	-	
PH-1-3-13-9-023	0.2037	0.0013	0.0882	0.012	0.0882	0.012	0.91		1195	7	1265	8	1386	26	-	-	
PH-1-3-13-9-024	0.2456	0.0019	0.0907	0.015	0.0907	0.015	0.9		1416	10	1425	11	1440	16	1440	16	
PH-1-3-13-9-025	0.1501	0.0010	0.0726	0.011	0.0726	0.011	0.9		902	6	932	8	1004	16	902	6	

PH-1-3-13-9-026	0.164 9	0.001 2	0.071 3	0.0 015	0.0713	0.0 015	0.9	984	7	978	12	966	28	984	7
PH-1-3-13-9-027	0.179 8	0.001 2	0.075 4	0.0 010	0.0754	0.0 010	0.9	1066	6	1070	7	1079	11	1079	11
PH-1-3-13-9-028	0.130 5	0.000 8	0.075 1	0.0 008	0.0751	0.0 008	0.9	791	5	868	4	1071	7	<b>791</b>	<b>5</b>
PH-1-3-13-9-029	0.191 6	0.001 3	0.077 6	0.0 012	0.0776	0.0 012	0.9	1130	7	1132	9	1137	14	1137	14
PH-1-3-13-9-030	0.202 0	0.001 3	0.079 5	0.0 010	0.0795	0.0 010	0.9	1186	7	1186	7	1185	10	1185	10
PH-1-3-13-9-031	0.205 4	0.001 3	0.080 1	0.0 010	0.0801	0.0 010	0.9	1204	7	1202	7	1199	10	1199	10
PH-1-3-13-9-032	0.144 3	0.000 9	0.067 8	0.0 011	0.0678	0.0 011	0.9	869	5	867	8	862	18	869	5
PH-1-3-13-9-033	0.204 3	0.001 3	0.080 3	0.0 010	0.0803	0.0 010	0.9	1199	7	1201	7	1205	10	1205	10
PH-1-3-13-9-034	0.240 5	0.001 7	0.088 5	0.0 012	0.0885	0.0 012	0.9	1389	9	1390	9	1393	12	1393	12
PH-1-3-13-9-035	0.199 5	0.001 3	0.079 4	0.0 010	0.0794	0.0 010	0.9	1173	7	1176	7	1182	9	1182	9
PH-1-3-13-9-036	0.172 8	0.001 1	0.074 6	0.0 011	0.0746	0.0 011	0.9	1028	6	1037	8	1059	14	1059	14
PH-1-3-13-9-037	0.169 8	0.001 1	0.072 9	0.0 011	0.0729	0.0 011	0.9	1011	6	1011	8	1012	15	1012	15
PH-1-3-13-9-038	0.232 2	0.001 8	0.088 8	0.0 014	0.0888	0.0 014	0.9	1346	9	1366	10	1399	15	1399	15
PH-1-3-13-9-039	0.220 3	0.001 5	0.083 8	0.0 011	0.0838	0.0 011	0.9	1283	8	1284	7	1287	10	1287	10
PH-1-3-13-9-040	0.165 4	0.001 1	0.071 4	0.0 012	0.0714	0.0 012	0.9	987	6	981	10	968	20	987	6
PH-1-3-13-9-041	0.180 2	0.001 2	0.075 2	0.0 011	0.0752	0.0 011	0.9	1068	7	1070	8	1074	14	1074	14
PH-1-3-13-9-042	0.194 2	0.001 3	0.078 0	0.0 010	0.0780	0.0 010	0.9	1144	7	1144	6	1146	9	1146	9
PH-1-3-13-9-043	0.150 1	0.001 0	0.069 2	0.0 009	0.0692	0.0 009	0.9	902	5	902	6	903	11	902	5
PH-1-3-13-9-044	0.162 5	0.001 0	0.071 5	0.0 010	0.0715	0.0 010	0.9	971	6	971	7	971	12	971	6
PH-1-3-13-9-045	0.194 1	0.001 3	0.073 6	0.0 012	0.0736	0.0 012	0.9	1143	7	1105	9	1032	16	1032	16
PH-1-3-13-9-046	0.185 3	0.001 6	0.076 0	0.0 018	0.0760	0.0 018	0.9	1096	9	1095	15	1094	30	1094	30
PH-1-3-13-9-047	0.186 1	0.001 4	0.081 7	0.0 014	0.0817	0.0 014	0.9	1100	8	1147	10	1238	18	-	-
PH-1-3-13-9-048	0.185 8	0.001 7	0.076 1	0.0 019	0.0761	0.0 019	0.9	1099	9	1098	16	1096	32	1096	32
PH-1-3-13-9-049	0.186 7	0.001 2	0.076 0	0.0 010	0.0760	0.0 010	0.9	1104	7	1100	7	1094	11	1094	11
PH-1-3-13-9-050	0.188 0	0.001 2	0.076 8	0.0 009	0.0768	0.0 009	0.9	1110	7	1112	6	1115	9	1115	9
PH-1-3-13-9-051	0.216 0	0.001 4	0.081 3	0.0 011	0.0813	0.0 011	0.9	1261	8	1249	8	1228	11	1228	11

PH-1-3-13-9-052	0.1867	0.0012	0.0762	0.0010	0.0762	0.0010	0.9	1104	6	1102	6	1099	10	1099	10
PH-1-3-13-9-053	0.1748	0.0012	0.0734	0.0012	0.0734	0.0012	0.9	1038	7	1034	9	1026	17	1026	17
PH-1-3-13-9-054	0.1997	0.0013	0.0859	0.0010	0.0859	0.0010	0.9	1173	7	1231	5	1335	7	-	-
PH-1-3-13-9-055	0.1833	0.0012	0.0746	0.0009	0.0746	0.0009	0.9	1085	6	1076	6	1058	8	1058	8
PH-1-3-13-9-056	0.1589	0.0010	0.0728	0.0008	0.0728	0.0008	0.9	951	6	968	5	1007	8	951	6
PH-1-3-13-9-057	0.1856	0.0014	0.0673	0.0014	0.0673	0.0014	0.9	1097	7	1017	12	848	27	-	-
PH-1-3-13-9-058	0.1777	0.0012	0.0745	0.0010	0.0745	0.0010	0.9	1055	6	1054	7	1055	11	1055	11
PH-1-3-13-9-059	0.2009	0.0029	0.0808	0.0034	0.0808	0.0034	0.9	1180	16	1192	29	1215	58	1215	58
PH-1-3-13-9-060	0.1828	0.0012	0.0755	0.0011	0.0755	0.0011	0.9	1082	7	1082	8	1081	14	1081	14
PH-1-3-13-9-061	0.1827	0.0013	0.0752	0.0012	0.0752	0.0012	0.9	1082	7	1079	9	1075	17	1075	17
PH-1-3-13-9-062	0.2293	0.0015	0.0856	0.0011	0.0856	0.0011	0.9	1331	8	1330	7	1329	9	1329	9
PH-1-3-13-9-063	0.1811	0.0012	0.0752	0.0012	0.0752	0.0012	0.9	1073	7	1073	9	1075	16	1075	16
PH-1-3-13-9-064	0.2344	0.0015	0.0871	0.0010	0.0871	0.0010	0.9	1358	8	1360	6	1363	7	1363	7
PH-1-3-13-9-065	0.1663	0.0011	0.0719	0.0010	0.0719	0.0010	0.9	992	6	989	7	984	12	992	6
PH-1-3-13-9-066	0.1937	0.0014	0.0789	0.0014	0.0789	0.0014	0.9	1141	8	1151	11	1169	20	1169	20
PH-1-3-13-9-067	0.1819	0.0012	0.0752	0.0010	0.0752	0.0010	0.9	1077	7	1076	7	1074	12	1074	12
PH-1-3-13-9-068	0.1756	0.0012	0.0749	0.0011	0.0749	0.0011	0.9	1043	6	1050	8	1065	14	1065	14
PH-1-3-13-9-069	0.2341	0.0018	0.0889	0.0015	0.0889	0.0015	0.9	1356	10	1373	11	1401	16	1401	16
PH-1-3-13-9-070	0.2223	0.0016	0.0833	0.0014	0.0833	0.0014	0.9	1294	9	1287	10	1277	16	1277	16
PH-1-3-13-9-071	0.1965	0.0015	0.0785	0.0013	0.0785	0.0013	0.9	1156	8	1157	10	1159	17	1159	17
PH-1-3-13-9-072	0.1762	0.0013	0.0748	0.0015	0.0748	0.0015	0.9	1046	7	1051	12	1062	25	1062	25
PH-1-3-13-9-073	0.2134	0.0014	0.0822	0.0010	0.0822	0.0010	0.9	1247	7	1248	6	1249	9	1249	9
PH-1-3-13-9-074	0.1916	0.0013	0.0773	0.0010	0.0773	0.0010	0.9	1130	7	1129	7	1129	11	1129	11
PH-1-3-13-9-075	0.1869	0.0012	0.0772	0.0010	0.0772	0.0010	0.9	1104	7	1111	7	1125	10	1125	10
PH-1-3-13-9-076	0.1022	0.0007	0.0735	0.0009	0.0735	0.0009	0.9	628	4	722	5	1028	9	-	-
PH-1-3-13-9-077	0.2013	0.0013	0.0802	0.0011	0.0802	0.0011	0.9	1182	7	1189	7	1202	11	1202	11

PH-1-3-13-9-078	0.210 1	0.001 4	0.081 3	0.0 011	0.0813	0.0 011	0.9	1230	7	1229	7	1229	11	1229	11
PH-1-3-13-9-079	0.188 0	0.001 3	0.076 5	0.0 011	0.0765	0.0 011	0.9	1110	7	1110	8	1109	14	1109	14
PH-1-3-13-9-080	0.180 7	0.001 2	0.074 8	0.0 010	0.0748	0.0 010	0.9	1071	6	1068	7	1064	11	1064	11
PH-1-3-13-9-081	0.178 8	0.001 2	0.074 8	0.0 011	0.0748	0.0 011	0.9	1060	7	1061	8	1063	14	1063	14
PH-1-3-13-9-082	0.187 4	0.001 3	0.077 8	0.0 012	0.0778	0.0 012	0.9	1107	7	1119	9	1143	14	1143	14
PH-1-3-13-9-083	0.165 4	0.001 1	0.072 8	0.0 011	0.0728	0.0 011	0.9	987	6	994	8	1010	15	987	6
PH-1-3-13-9-084	0.224 5	0.001 5	0.086 7	0.0 011	0.0867	0.0 011	0.9	1306	8	1323	7	1354	9	1354	9
PH-1-3-13-9-085	0.180 6	0.001 3	0.075 1	0.0 013	0.0751	0.0 013	0.9	1070	7	1070	10	1071	19	1071	19
PH-1-3-13-9-086	0.203 5	0.001 4	0.079 2	0.0 014	0.0792	0.0 014	0.9	1194	7	1188	11	1176	21	1176	21
PH-1-3-13-9-087	0.185 8	0.001 2	0.076 4	0.0 011	0.0764	0.0 011	0.9	1098	7	1100	8	1105	13	1105	13
PH-1-3-13-9-088	0.174 1	0.001 2	0.073 6	0.0 010	0.0736	0.0 010	0.9	1035	6	1033	7	1031	12	1031	12
PH-1-3-13-9-089	0.152 6	0.001 0	0.075 5	0.0 010	0.0755	0.0 010	0.9	916	6	966	7	1082	12	916	6
PH-1-3-13-9-090	0.199 1	0.001 3	0.079 5	0.0 010	0.0795	0.0 010	0.9	1170	7	1175	7	1184	9	1184	9
PH-1-3-13-9-091	0.124 0	0.000 9	0.063 9	0.0 021	0.0639	0.0 021	0.9	754	5	750	17	740	55	754	5
PH-1-3-13-9-092	0.105 8	0.000 8	0.080 3	0.0 014	0.0803	0.0 014	0.9	648	4	787	8	1205	18	-	-
PH-1-3-13-9-093	0.183 6	0.001 2	0.075 2	0.0 010	0.0752	0.0 010	0.9	1087	6	1082	7	1074	10	1074	10
PH-1-3-13-9-094	0.176 5	0.001 2	0.074 2	0.0 009	0.0742	0.0 009	0.9	1048	6	1047	6	1047	10	1047	10
PH-1-3-13-9-095	0.203 2	0.001 3	0.079 6	0.0 010	0.0796	0.0 010	0.9	1192	7	1190	6	1188	9	1188	9
PH-1-3-13-9-096	0.183 0	0.001 2	0.075 0	0.0 010	0.0750	0.0 010	0.9	1083	6	1078	7	1069	12	1069	12
PH-1-3-13-9-097	0.080 5	0.000 5	0.056 5	0.0 012	0.0565	0.0 012	0.9	499	3	494	8	471	33	499	3
PH-1-3-13-9-098	0.160 3	0.001 1	0.069 9	0.0 013	0.0699	0.0 013	0.9	958	6	948	10	925	24	958	6
PH-1-3-13-9-099	0.214 5	0.001 4	0.081 2	0.0 010	0.0812	0.0 010	0.9	1253	7	1243	7	1227	10	1227	10
PH-1-3-13-9-100	0.182 2	0.001 2	0.075 0	0.0 012	0.0750	0.0 012	0.9	1079	7	1075	10	1069	18	1069	18
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<b>Error corr.</b>	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<b>(Ma)</b>	± <b>(Ma)</b>
PH-1-3-13-10A-12	0.466 0	0.003 8	11.71 00	0.1 050	0.1841	0.0 019	0.96	2465	17	2580	9	2690	17	2690	17

PH-1-3-13-10A-53	0.322 6	0.002 1	5.126 0	0.0 340	0.1140	0.0 011	0.98		1802	10	1840	6	1865	18		1865	18
PH-1-3-13-10A-40	0.326 0	0.002 1	5.145 0	0.0 320	0.1137	0.0 011	0.99		1818	10	1843	5	1859	18		1859	18
PH-1-3-13-10A-45	0.308 3	0.002 2	4.689 0	0.0 310	0.1093	0.0 011	0.98		1732	11	1765	6	1788	18		1788	18
PH-1-3-13-10A-6	0.286 5	0.001 6	4.312 0	0.0 225	0.1092	0.0 011	0.96		1624	8	1695	4	1787	18		1787	18
PH-1-3-13-10A-23	0.304 5	0.001 5	4.513 0	0.0 230	0.1076	0.0 011	0.99		1713	7	1733	4	1760	18		1760	18
PH-1-3-13-10A-1	0.311 2	0.001 8	4.662 0	0.0 295	0.1073	0.0 011	0.99		1750	9	1760	6	1754	18		1754	18
PH-1-3-13-10A-7	0.282 4	0.002 2	4.124 0	0.0 325	0.1065	0.0 011	0.97		1603	11	1658	7	1740	18		1740	18
PH-1-3-13-10A-56	0.308 1	0.001 8	4.548 0	0.0 285	0.1061	0.0 011	1.00		1731	9	1739	5	1734	18		1734	18
PH-1-3-13-10A-9	0.293 5	0.002 3	4.259 0	0.0 340	0.1058	0.0 011	0.98		1659	11	1685	7	1728	19		1728	19
PH-1-3-13-10A-18	0.296 3	0.001 9	4.291 0	0.0 280	0.1054	0.0 011	0.99		1673	10	1691	6	1721	19		1721	19
PH-1-3-13-10A-1	0.293 7	0.001 6	4.249 0	0.0 230	0.1052	0.0 011	0.99		1660	8	1683	4	1719	19		1719	19
PH-1-3-13-10A-44	0.307 9	0.001 8	4.519 0	0.0 285	0.1050	0.0 011	1.00		1730	9	1734	6	1715	19		1715	19
PH-1-3-13-10A-47	0.299 7	0.002 6	4.401 0	0.0 400	0.1046	0.0 011	0.99		1689	13	1711	8	1707	19		1707	19
PH-1-3-13-10A-41	0.274 2	0.001 6	3.983 0	0.0 225	0.1044	0.0 010	0.96		1562	8	1630	5	1704	18		1704	18
PH-1-3-13-10A-10	0.290 5	0.001 9	4.153 0	0.0 280	0.1042	0.0 011	0.99		1644	10	1664	6	1700	19		1700	19
PH-1-3-13-10A-2	0.276 1	0.002 1	3.866 0	0.0 325	0.1005	0.0 010	0.98		1571	11	1606	7	1632	19		1632	19
PH-1-3-13-10A-17	0.269 3	0.001 9	3.621 0	0.0 270	0.0975	0.0 010	0.99		1537	10	1554	6	1577	19		1577	19
PH-1-3-13-10A-9	0.267 1	0.001 3	3.517 0	0.0 200	0.0957	0.0 010	1.00		1526	7	1531	4	1541	20		1541	20
PH-1-3-13-10A-39	0.253 0	0.001 8	3.344 0	0.0 240	0.0952	0.0 010	0.98		1454	9	1491	6	1531	19		1531	19
PH-1-3-13-10A-52	0.260 7	0.001 8	3.441 0	0.0 245	0.0948	0.0 010	0.99		1493	9	1515	6	1524	19		1524	19
PH-1-3-13-10A-24	0.262 5	0.001 6	3.396 0	0.0 210	0.0940	0.0 009	1.00		1503	8	1503	5	1509	19		1509	19
PH-1-3-13-10A-33	0.260 9	0.001 8	3.305 0	0.0 230	0.0925	0.0 010	1.01		1494	10	1482	6	1478	20		1478	20
PH-1-3-13-10A-8	0.251 4	0.001 6	3.171 0	0.0 220	0.0921	0.0 009	1.00		1445	9	1451	6	1469	19		1469	19
PH-1-3-13-10A-27	0.243 8	0.001 3	3.054 0	0.0 165	0.0908	0.0 009	0.99		1406	7	1421	4	1442	19		1442	19
PH-1-3-13-10A-15	0.245 3	0.002 2	3.016 0	0.0 265	0.0902	0.0 009	1.00		1414	12	1411	7	1429	19		1429	19
PH-1-3-13-10A-28	0.236 7	0.001 4	2.866 0	0.0 170	0.0881	0.0 009	1.00		1369	7	1373	5	1384	19		1384	19

PH-1-3-13-10A-18	0.2185	0.0013	2.6160	0.0145	0.0878	0.0009	0.98	1276	6	1305	4	1378	19	1378	19
PH-1-3-13-10A-5	0.2439	0.0017	2.9480	0.0185	0.0875	0.0009	1.01	1410	8	1394	5	1372	19	1372	19
PH-1-3-13-10A-48	0.2347	0.0019	2.8650	0.0240	0.0875	0.0009	0.99	1359	10	1372	7	1371	20	1371	20
PH-1-3-13-10A-51	0.2258	0.0019	2.7370	0.0220	0.0870	0.0009	0.98	1312	10	1338	6	1361	20	1361	20
PH-1-3-13-10A-3	0.2307	0.0020	2.7520	0.0240	0.0870	0.0009	1.00	1338	11	1342	7	1360	21	1360	21
PH-1-3-13-10A-2	0.2332	0.0013	2.7870	0.0160	0.0869	0.0009	1.00	1351	7	1352	4	1358	20	1358	20
PH-1-3-13-10A-21	0.2234	0.0012	2.6680	0.0130	0.0869	0.0009	0.99	1300	6	1319	4	1357	19	1357	19
PH-1-3-13-10A-29	0.2337	0.0017	2.7920	0.0200	0.0867	0.0009	1.00	1353	9	1353	6	1354	20	1354	20
PH-1-3-13-10A-16	0.2310	0.0014	2.7380	0.0185	0.0866	0.0009	1.00	1339	7	1338	5	1352	19	1352	19
PH-1-3-13-10A-14	0.2248	0.0024	2.6580	0.0300	0.0865	0.0009	0.99	1306	13	1315	9	1349	20	1349	20
PH-1-3-13-10A-49	0.2164	0.0015	2.5680	0.0175	0.0856	0.0009	0.98	1262	8	1291	5	1329	21	1329	21
PH-1-3-13-10A-3	0.2306	0.0012	2.6960	0.0165	0.0845	0.0008	1.01	1338	6	1327	5	1304	20	1304	20
PH-1-3-13-10A-25	0.2191	0.0015	2.5440	0.0170	0.0844	0.0008	0.99	1277	8	1286	5	1302	20	1302	20
PH-1-3-13-10A-5	0.2060	0.0019	2.3670	0.0220	0.0833	0.0008	0.98	1207	10	1232	7	1276	20	1276	20
PH-1-3-13-10A-13	0.2094	0.0011	2.3730	0.0145	0.0826	0.0008	0.99	1226	6	1234	4	1259	20	1259	20
PH-1-3-13-10A-15	0.2010	0.0010	2.2410	0.0120	0.0810	0.0008	0.99	1181	6	1194	4	1220	20	1181	12
PH-1-3-13-10A-36	0.1992	0.0014	2.1710	0.0175	0.0794	0.0008	1.00	1171	8	1171	6	1181	21	1171	12
PH-1-3-13-10A-50	0.1983	0.0017	2.1770	0.0205	0.0784	0.0008	0.99	1166	9	1173	7	1157	21	1166	12
PH-1-3-13-10A-11	0.1980	0.0013	2.2880	0.0160	0.0840	0.0008	0.96	1165	7	1208	5	1293	20	1165	12
PH-1-3-13-10A-6	0.1976	0.0012	2.1540	0.0150	0.0794	0.0008	1.00	1162	7	1166	5	1183	20	1162	12
PH-1-3-13-10A-10	0.1954	0.0014	2.1040	0.0175	0.0781	0.0008	1.00	1151	8	1150	6	1149	22	1151	12
PH-1-3-13-10A-22	0.1941	0.0013	2.0900	0.0140	0.0783	0.0008	1.00	1144	7	1145	5	1154	21	1144	11
PH-1-3-13-10A-30	0.1919	0.0015	2.1130	0.0170	0.0800	0.0008	0.98	1131	8	1152	6	1196	20	1131	11
PH-1-3-13-10A-42	0.1914	0.0011	2.1180	0.0130	0.0793	0.0008	0.98	1129	6	1154	4	1180	20	1129	11
PH-1-3-13-10A-32	0.1878	0.0015	2.0350	0.0155	0.0790	0.0008	0.98	1109	8	1127	6	1171	20	1109	11
PH-1-3-13-10A-34	0.1877	0.0012	2.0190	0.0135	0.0782	0.0008	0.99	1109	7	1122	4	1151	20	1109	11

PH-1-3-13-10A-54	0.186 4	0.001 4	1.999 0	0.0 150	0.0769	0.0 008	0.99		1101	8	1115	5	1120	20		1101	11
PH-1-3-13-10A-31	0.167 7	0.001 3	1.648 0	0.0 120	0.0712	0.0 007	1.01		999	7	988	5	962	21		999	10
PH-1-3-13-10A-4	0.164 7	0.001 0	1.624 0	0.0 110	0.0712	0.0 007	1.00		983	5	979	4	964	21		983	10
PH-1-3-13-10A-14	0.139 5	0.002 7	1.318 0	0.0 325	0.0684	0.0 008	0.99		841	15	849	15	879	24		<b>841</b>	15
PH-1-3-13-10A-55	0.137 7	0.001 3	1.327 0	0.0 120	0.0691	0.0 007	0.97		832	7	857	5	900	21		<b>832</b>	8
PH-1-3-13-10A-25	0.105 4	0.000 7	0.924 0	0.0 055	0.0629	0.0 006	0.97		646	4	664	3	704	22		<b>646</b>	6
	<sup>206</sup> Pb / <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb / <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<b>Error corr.</b>		<sup>206</sup> Pb / <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb / <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.		<b>(Ma)</b>	± <b>(Ma)</b>
PH-1-9-13-19B-001	0.176 9	0.001 2	1.786 3	0.0 237	0.0733	0.0 012	0.9		1050	7	1040	9	1022	16		<b>1022</b>	<b>16</b>
PH-1-9-13-19B-002	0.227 4	0.001 4	2.524 7	0.0 209	0.0806	0.0 010	0.9		1321	7	1279	6	1211	8		1211	8
PH-1-9-13-19B-003	0.251 7	0.001 7	2.841 4	0.0 342	0.0819	0.0 012	0.9		1447	9	1367	9	1244	13		-	-
PH-1-9-13-19B-004	0.233 4	0.001 4	2.553 4	0.0 216	0.0794	0.0 010	0.9		1352	7	1287	6	1182	8		-	-
PH-1-9-13-19B-005	0.211 0	0.001 2	2.352 0	0.0 178	0.0809	0.0 009	0.9		1234	7	1228	5	1219	7		1219	7
PH-1-9-13-19B-006	0.253 7	0.001 7	2.916 0	0.0 339	0.0834	0.0 012	0.9		1457	9	1386	9	1279	13		-	-
PH-1-9-13-19B-007	0.239 4	0.001 5	2.659 9	0.0 265	0.0806	0.0 011	0.9		1383	8	1317	7	1213	10		-	-
PH-1-9-13-19B-008	0.249 0	0.001 6	2.698 6	0.0 289	0.0787	0.0 011	0.9		1433	8	1328	8	1163	11		-	-
PH-1-9-13-19B-009	0.249 1	0.001 7	2.959 5	0.0 363	0.0862	0.0 013	0.9		1434	9	1397	9	1344	13		1344	13
PH-1-9-13-19B-010	0.225 1	0.001 7	2.528 6	0.0 398	0.0815	0.0 015	0.9		1309	9	1280	11	1234	19		1234	19
PH-1-9-13-19B-011	0.257 3	0.002 1	2.845 6	0.0 498	0.0803	0.0 016	0.9		1476	11	1368	13	1204	22		-	-
PH-1-9-13-19B-012	0.248 1	0.001 5	2.734 8	0.0 232	0.0800	0.0 010	0.9		1429	8	1338	6	1197	8		-	-
PH-1-9-13-19B-013	0.236 4	0.001 4	2.697 7	0.0 221	0.0828	0.0 010	0.9		1368	7	1328	6	1265	8		1265	8
PH-1-9-13-19B-014	0.232 1	0.001 5	2.528 3	0.0 260	0.0790	0.0 011	0.9		1346	8	1280	7	1173	11		-	-
PH-1-9-13-19B-015	0.244 8	0.001 8	2.938 7	0.0 389	0.0871	0.0 014	0.9		1412	9	1392	10	1363	15		1363	15
PH-1-9-13-19B-016	0.229 7	0.001 4	2.542 0	0.0 197	0.0803	0.0 009	0.9		1333	7	1284	6	1204	7		1204	7
PH-1-9-13-19B-017	0.228 4	0.001 4	2.657 6	0.0 248	0.0844	0.0 011	0.9		1326	7	1317	7	1303	9		1303	9
PH-1-9-13-19B-019	0.223 6	0.001 6	2.602 8	0.0 335	0.0845	0.0 013	0.9		1301	8	1301	9	1304	14		1304	14

PH-1-9-13-19B-020	0.1997	0.0012	2.2179	0.0180	0.0805	0.0008	0.88		1174	6	1187	6	1210	20		1210	20
PH-1-9-13-19B-021	0.2617	0.0016	3.1246	0.0255	0.0866	0.0010	0.9		1499	8	1439	6	1352	7		1352	7
PH-1-9-13-19B-022	0.2349	0.0014	2.5887	0.0211	0.0800	0.0009	0.9		1360	7	1297	6	1196	8		-	-
PH-1-9-13-19B-023	0.2284	0.0016	2.6479	0.0316	0.0841	0.0012	0.9		1326	8	1314	9	1295	13		1295	13
PH-1-9-13-19B-024	0.2195	0.0014	2.4661	0.0229	0.0815	0.0010	0.9		1279	7	1262	7	1234	9		1234	9
PH-1-9-13-19B-026	0.2272	0.0014	2.6301	0.0211	0.0840	0.0010	0.9		1320	7	1309	6	1292	7		1292	7
PH-1-9-13-19B-027	0.2261	0.0014	2.6036	0.0240	0.0836	0.0011	0.9		1314	7	1302	7	1283	9		1283	9
PH-1-9-13-19B-028	0.2204	0.0013	2.5342	0.0214	0.0834	0.0010	0.9		1284	7	1282	6	1279	8		1279	8
PH-1-9-13-19B-030	0.2138	0.0014	2.3627	0.0260	0.0802	0.0011	0.9		1249	7	1231	8	1202	12		1202	12
PH-1-9-13-19B-031	0.2026	0.0013	2.1931	0.0244	0.0785	0.0011	0.9		1189	7	1179	8	1161	12		1161	12
PH-1-9-13-19B-032	0.2518	0.0016	2.8639	0.0288	0.0826	0.0011	0.9		1448	8	1372	8	1259	10		-	-
PH-1-9-13-19B-033	0.2143	0.0013	2.3456	0.0210	0.0794	0.0010	0.9		1252	7	1226	6	1183	9		1183	9
PH-1-9-13-19B-034	0.2261	0.0013	2.5623	0.0189	0.0822	0.0009	0.9		1314	7	1290	5	1251	7		1251	7
PH-1-9-13-19B-035	0.1880	0.0011	2.0020	0.0184	0.0773	0.0009	0.87		1110	6	1116	6	1128	22		1128	22
PH-1-9-13-19B-036	0.2075	0.0014	2.3094	0.0267	0.0808	0.0012	0.9		1215	7	1215	8	1216	13		1216	13
PH-1-9-13-19B-037	0.2203	0.0013	2.4499	0.0188	0.0807	0.0009	0.9		1284	7	1257	6	1214	7		1214	7
PH-1-9-13-19B-038	0.2145	0.0014	2.4205	0.0246	0.0819	0.0011	0.9		1253	7	1249	7	1243	11		1243	11
PH-1-9-13-19B-039	0.2099	0.0014	2.3413	0.0249	0.0809	0.0011	0.9		1228	7	1225	8	1220	11		1220	11
PH-1-9-13-19B-040	0.2311	0.0014	2.6362	0.0206	0.0828	0.0010	0.9		1340	7	1311	6	1264	7		1264	7
PH-1-9-13-19B-041	0.2221	0.0014	2.4428	0.0225	0.0798	0.0010	0.9		1293	7	1255	7	1193	9		1193	9
PH-1-9-13-19B-042	0.2185	0.0013	2.4924	0.0211	0.0828	0.0010	0.9		1274	7	1270	6	1264	8		1264	8
PH-1-9-13-19B-043	0.1906	0.0012	2.0392	0.0206	0.0777	0.0010	0.9		1124	6	1129	7	1138	11		1138	11
PH-1-9-13-19B-044	0.1839	0.0011	1.9074	0.0156	0.0753	0.0009	0.9		1088	6	1084	5	1075	8		1075	8
PH-1-9-13-19B-045	0.2102	0.0013	2.3390	0.0209	0.0807	0.0010	0.9		1230	7	1224	6	1215	9		1215	9
PH-1-9-13-19B-046	0.2255	0.0015	2.4916	0.0274	0.0802	0.0011	0.9		1311	8	1270	8	1201	12		1201	12
PH-1-9-13-19B-047	0.2293	0.0014	2.6481	0.0237	0.0838	0.0010	0.9		1331	7	1314	7	1288	9		1288	9

PH-1-9-13-19B-048	0.184 4	0.001 1	1.937 3	0.0 181	0.0762	0.0 008	0.87		1091	6	1094	6	1100	23		1100	23
PH-1-9-13-19B-049	0.226 2	0.001 4	2.602 0	0.0 254	0.0835	0.0 011	0.9		1314	7	1301	7	1280	10		1280	10
PH-1-9-13-19B-050	0.188 9	0.001 2	2.079 0	0.0 202	0.0799	0.0 010	0.9		1116	6	1142	7	1193	10		1193	10
PH-1-9-13-19B-051	0.210 9	0.001 3	2.362 4	0.0 217	0.0813	0.0 010	0.9		1233	7	1231	7	1228	9		1228	9
PH-1-9-13-19B-052	0.221 3	0.001 4	2.505 9	0.0 273	0.0822	0.0 011	0.9		1289	8	1274	8	1249	12		1249	12
PH-1-9-13-19B-053	0.198 3	0.001 2	2.177 0	0.0 191	0.0797	0.0 010	0.9		1166	6	1174	6	1188	9		1188	9
PH-1-9-13-19B-054	0.224 2	0.001 5	2.501 3	0.0 284	0.0810	0.0 012	0.9		1304	8	1272	8	1221	12		1221	12
PH-1-9-13-19B-055	0.182 9	0.001 1	1.956 6	0.0 184	0.0776	0.0 010	0.9		1083	6	1101	6	1137	10		1137	10
PH-1-9-13-19B-056	0.205 1	0.001 2	2.269 1	0.0 173	0.0802	0.0 008	0.88		1203	6	1203	5	1203	19		1203	19
PH-1-9-13-19B-057	0.184 6	0.001 1	1.974 4	0.0 175	0.0776	0.0 010	0.9		1092	6	1107	6	1137	9		1137	9
PH-1-9-13-19B-058	0.204 3	0.001 2	2.223 6	0.0 201	0.0790	0.0 010	0.9		1198	7	1189	6	1172	9		1172	9
PH-1-9-13-19B-059	0.218 0	0.001 3	2.548 7	0.0 227	0.0848	0.0 011	0.9		1272	7	1286	7	1311	9		1311	9
PH-1-9-13-19B-060	0.216 0	0.001 2	2.487 3	0.0 173	0.0835	0.0 008	0.88		1261	6	1268	5	1281	18		1281	18
PH-1-9-13-19B-061	0.224 1	0.001 4	2.461 4	0.0 246	0.0797	0.0 011	0.9		1304	7	1261	7	1189	10		1189	10
PH-1-9-13-19B-062	0.251 7	0.001 6	2.864 0	0.0 306	0.0826	0.0 011	0.9		1447	8	1373	8	1259	11	-	-	-
PH-1-9-13-19B-063	0.225 4	0.001 4	2.634 0	0.0 250	0.0848	0.0 011	0.9		1310	7	1310	7	1311	9		1311	9
PH-1-9-13-19B-064	0.215 1	0.001 3	2.432 6	0.0 191	0.0820	0.0 010	0.9		1256	7	1252	6	1246	7		1246	7
PH-1-9-13-19B-065	0.211 8	0.001 3	2.382 1	0.0 194	0.0816	0.0 010	0.9		1238	7	1237	6	1236	8		1236	8
PH-1-9-13-19B-066	0.227 8	0.001 5	2.651 5	0.0 277	0.0845	0.0 011	0.9		1323	8	1315	8	1303	11		1303	11
PH-1-9-13-19B-067	0.248 6	0.001 8	2.808 3	0.0 363	0.0820	0.0 013	0.9		1431	9	1358	10	1245	15	-	-	-
PH-1-9-13-19B-068	0.215 2	0.001 3	2.423 5	0.0 199	0.0817	0.0 010	0.9		1256	7	1250	6	1239	8		1239	8
PH-1-9-13-19B-069	0.223 4	0.001 4	2.540 3	0.0 261	0.0825	0.0 011	0.9		1300	7	1284	7	1257	11		1257	11
PH-1-9-13-19B-070	0.221 0	0.001 4	2.461 8	0.0 226	0.0808	0.0 010	0.9		1287	7	1261	7	1217	9		1217	9
PH-1-9-13-19B-071	0.258 3	0.001 7	2.915 2	0.0 320	0.0819	0.0 011	0.9		1481	9	1386	8	1243	12	-	-	-
PH-1-9-13-19B-072	0.225 1	0.001 4	2.513 2	0.0 262	0.0810	0.0 011	0.9		1309	8	1276	8	1222	11		1222	11
PH-1-9-13-19B-073	0.219 4	0.001 3	2.460 7	0.0 203	0.0814	0.0 010	0.9		1278	7	1261	6	1231	8		1231	8

PH-1-9-13-19B-074	0.253 1	0.001 9	2.956 7	0.0 434	0.0848	0.0 014	0.9	1454	10	1397	11	1310	17	1310	17
PH-1-9-13-19B-075	0.235 3	0.001 7	2.660 9	0.0 355	0.0820	0.0 013	0.9	1362	9	1318	10	1246	15	1246	15
PH-1-9-13-19B-076	0.225 2	0.001 8	2.269 8	0.0 403	0.0731	0.0 015	0.9	1309	9	1203	13	1017	23	-	-
PH-1-9-13-19B-077	0.220 2	0.001 4	2.531 0	0.0 237	0.0834	0.0 011	0.9	1283	7	1281	7	1279	9	1279	9
PH-1-9-13-19B-078	0.206 5	0.001 3	2.299 1	0.0 202	0.0808	0.0 010	0.9	1210	7	1212	6	1216	9	1216	9
PH-1-9-13-19B-079	0.198 1	0.001 2	2.107 9	0.0 197	0.0772	0.0 010	0.9	1165	7	1151	6	1126	10	1126	10
PH-1-9-13-19B-080	0.229 2	0.001 7	2.891 0	0.0 382	0.0915	0.0 015	0.9	1330	9	1380	10	1457	14	1457	14
PH-1-9-13-19B-081	0.208 7	0.001 2	2.362 5	0.0 180	0.0821	0.0 008	0.88	1222	6	1231	5	1248	19	1248	19
PH-1-9-13-19B-082	0.220 6	0.001 4	2.513 6	0.0 260	0.0827	0.0 011	0.9	1285	7	1276	8	1261	11	1261	11
PH-1-9-13-19B-083	0.243 0	0.001 5	2.752 3	0.0 257	0.0822	0.0 010	0.9	1402	8	1343	7	1249	9	-	-
PH-1-9-13-19B-084	0.221 3	0.001 4	2.539 9	0.0 254	0.0833	0.0 011	0.9	1289	7	1284	7	1276	10	1276	10
PH-1-9-13-19B-085	0.216 4	0.001 4	2.399 2	0.0 249	0.0804	0.0 011	0.9	1263	7	1242	7	1208	11	1208	11
PH-1-9-13-19B-086	0.203 9	0.001 3	2.235 3	0.0 212	0.0796	0.0 010	0.9	1196	7	1192	7	1186	10	1186	10
PH-1-9-13-19B-087	0.215 8	0.001 3	2.446 5	0.0 231	0.0823	0.0 011	0.9	1259	7	1256	7	1252	9	1252	9
PH-1-9-13-19B-088	0.192 0	0.001 1	2.067 6	0.0 168	0.0781	0.0 008	0.88	1132	6	1138	6	1150	20	1150	20
PH-1-9-13-19B-089	0.219 2	0.001 5	2.522 1	0.0 293	0.0835	0.0 012	0.9	1278	8	1278	8	1280	13	1280	13
PH-1-9-13-19B-090	0.187 4	0.001 1	2.010 4	0.0 165	0.0778	0.0 008	0.88	1107	6	1119	6	1142	20	1142	20
PH-1-9-13-19B-091	0.200 5	0.001 2	2.356 1	0.0 187	0.0853	0.0 010	0.9	1178	6	1229	6	1321	7	-	-
PH-1-9-13-19B-092	0.202 3	0.001 3	2.206 8	0.0 221	0.0791	0.0 010	0.9	1188	7	1183	7	1175	10	1175	10
PH-1-9-13-19B-093	0.264 6	0.001 7	3.136 5	0.0 307	0.0860	0.0 011	0.9	1513	9	1442	8	1338	10	-	-
PH-1-9-13-19B-094	0.217 6	0.001 4	2.484 1	0.0 266	0.0828	0.0 011	0.9	1269	7	1267	8	1265	11	1265	11
PH-1-9-13-19B-095	0.214 3	0.001 4	2.510 1	0.0 288	0.0850	0.0 012	0.9	1252	8	1275	8	1315	12	1315	12
PH-1-9-13-19B-096	0.251 3	0.001 6	2.821 4	0.0 266	0.0814	0.0 010	0.9	1445	8	1361	7	1232	9	-	-
PH-1-9-13-19B-097	0.215 6	0.001 3	2.503 8	0.0 211	0.0842	0.0 010	0.9	1259	7	1273	6	1298	8	1298	8
PH-1-9-13-19B-098	0.170 5	0.001 0	1.787 2	0.0 170	0.0760	0.0 010	0.9	1015	6	1041	6	1096	10	1096	10
PH-1-9-13-19B-099	0.169 9	0.001 0	1.727 6	0.0 153	0.0738	0.0 009	0.9	1012	6	1019	6	1035	9	<b>1035</b>	<b>9</b>

PH-1-9-13-19B-100	0.169 5	0.001 0	1.718 6	0.0 161	0.0735	0.0 008	0.87		1009	6	1015	6	1029	23		<b>1029</b>	<b>23</b>
	<sup>206</sup> Pb / <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb / <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	Error corr.		<sup>206</sup> Pb / <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb / <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.		(Ma)	± (Ma)
PH-1-9-13-19A-001	0.234 9	0.001 5	2.823 6	0.0 218	0.0872	0.0 010			1360	8	1362	6	1364	7		1364	7
PH-1-9-13-19A-002	0.231 6	0.001 5	2.755 9	0.0 217	0.0863	0.0 010			1343	8	1344	6	1345	7		1345	7
PH-1-9-13-19A-003	0.231 3	0.001 5	2.779 4	0.0 230	0.0871	0.0 010			1341	8	1350	6	1363	7		1363	7
PH-1-9-13-19A-004	0.222 6	0.001 4	2.597 4	0.0 213	0.0846	0.0 010			1296	7	1300	6	1307	7		1307	7
PH-1-9-13-19A-005	0.219 9	0.001 4	2.541 0	0.0 209	0.0838	0.0 010			1281	7	1284	6	1288	7		1288	7
PH-1-9-13-19A-006	0.227 6	0.001 5	2.676 6	0.0 225	0.0853	0.0 010			1322	8	1322	6	1322	8		1322	8
PH-1-9-13-19A-007	0.226 1	0.001 4	2.638 1	0.0 187	0.0846	0.0 009			1314	7	1311	5	1307	6		1307	6
PH-1-9-13-19A-008	0.233 5	0.001 5	2.794 3	0.0 217	0.0868	0.0 010			1353	8	1354	6	1356	7		1356	7
PH-1-9-13-19A-009	0.172 7	0.001 0	1.789 5	0.0 125	0.0752	0.0 007			1027	6	1042	5	1073	19		<b>1073</b>	<b>19</b>
PH-1-9-13-19A-010	0.233 2	0.001 5	2.797 8	0.0 226	0.0870	0.0 010			1351	8	1355	6	1360	7		1360	7
PH-1-9-13-19A-011	0.238 2	0.001 5	2.863 3	0.0 237	0.0872	0.0 010			1377	8	1372	6	1364	7		1364	7
PH-1-9-13-19A-012	0.234 4	0.001 5	2.802 6	0.0 277	0.0867	0.0 011			1357	8	1356	7	1354	10		1354	10
PH-1-9-13-19A-013	0.226 2	0.001 5	2.673 7	0.0 233	0.0857	0.0 010			1314	8	1321	6	1332	8		1332	8
PH-1-9-13-19A-014	0.226 5	0.001 4	2.684 8	0.0 201	0.0860	0.0 010			1316	7	1324	6	1338	7		1338	7
PH-1-9-13-19A-015	0.229 3	0.001 5	2.704 0	0.0 225	0.0855	0.0 010			1331	8	1330	6	1327	7		1327	7
PH-1-9-13-19A-016	0.228 1	0.001 5	2.687 0	0.0 215	0.0854	0.0 010			1325	8	1325	6	1325	7		1325	7
PH-1-9-13-19A-017	0.227 4	0.001 4	2.678 4	0.0 198	0.0854	0.0 009			1321	7	1323	5	1325	6		1325	6
PH-1-9-13-19A-018	0.238 7	0.001 5	2.890 2	0.0 221	0.0878	0.0 010			1380	8	1379	6	1378	7		1378	7
PH-1-9-13-19A-019	0.220 8	0.001 4	2.531 5	0.0 210	0.0832	0.0 010			1286	7	1281	6	1273	8		1273	8
PH-1-9-13-19A-020	0.211 7	0.001 3	2.493 0	0.0 165	0.0854	0.0 009			1238	7	1270	5	1325	6		1325	6
PH-1-9-13-19A-021	0.233 7	0.001 5	2.791 2	0.0 229	0.0866	0.0 010			1354	8	1353	6	1352	7		1352	7
PH-1-9-13-19A-022	0.227 2	0.001 5	2.674 3	0.0 221	0.0854	0.0 010			1320	8	1321	6	1324	7		1324	7
PH-1-9-13-19A-023	0.217 2	0.001 4	2.479 9	0.0 192	0.0828	0.0 009			1267	7	1266	6	1264	7		1264	7

PH-1-9-13-19A-024	0.2395	0.0016	2.8107	0.0265	0.0851	0.0011			1384	8	1358	7	1318	9		1318	9
PH-1-9-13-19A-025	0.2023	0.0013	2.2138	0.0229	0.0794	0.0010			1188	7	1185	7	1181	11		<b>1181</b>	<b>11</b>
PH-1-9-13-19A-026	0.2197	0.0014	2.5340	0.0186	0.0837	0.0009			1280	7	1282	5	1285	6		1285	6
PH-1-9-13-19A-027	0.2747	0.0018	3.6762	0.0295	0.0971	0.0011			1565	9	1566	6	1568	7		1568	7
PH-1-9-13-19A-028	0.2297	0.0015	2.7216	0.0214	0.0859	0.0010			1333	8	1334	6	1337	7		1337	7
PH-1-9-13-19A-029	0.2304	0.0016	2.7469	0.0269	0.0865	0.0011			1337	8	1341	7	1348	9		1348	9
PH-1-9-13-19A-030	0.2170	0.0014	2.4806	0.0215	0.0829	0.0010			1266	7	1266	6	1267	8		1267	8
PH-1-9-13-19A-031	0.2103	0.0013	2.4395	0.0174	0.0841	0.0009			1230	7	1254	5	1296	6		1296	6
PH-1-9-13-19A-032	0.2344	0.0015	2.8042	0.0226	0.0868	0.0010			1357	8	1357	6	1356	7		1356	7
PH-1-9-13-19A-033	0.2307	0.0015	2.7149	0.0214	0.0854	0.0010			1338	8	1333	6	1324	7		1324	7
PH-1-9-13-19A-034	0.2243	0.0014	2.6399	0.0202	0.0854	0.0010			1305	7	1312	6	1324	7		1324	7
PH-1-9-13-19A-035	0.2161	0.0014	2.5078	0.0198	0.0842	0.0010			1261	7	1274	6	1296	7		1296	7
PH-1-9-13-19A-036	0.2356	0.0017	2.8366	0.0313	0.0873	0.0012			1364	9	1365	8	1368	11		1368	11
PH-1-9-13-19A-037	0.2273	0.0014	2.6660	0.0203	0.0851	0.0009			1320	8	1319	6	1317	7		1317	7
PH-1-9-13-19A-038	0.2477	0.0016	3.0712	0.0266	0.0899	0.0011			1427	8	1426	7	1424	8		1424	8
PH-1-9-13-19A-039	0.2287	0.0015	2.6985	0.0227	0.0856	0.0010			1328	8	1328	6	1329	8		1329	8
PH-1-9-13-19A-040	0.2240	0.0014	2.6292	0.0209	0.0852	0.0010			1303	8	1309	6	1319	7		1319	7
PH-1-9-13-19A-041	0.2235	0.0015	2.6021	0.0229	0.0845	0.0010			1300	8	1301	6	1303	8		1303	8
PH-1-9-13-19A-042	0.2304	0.0015	2.7703	0.0253	0.0872	0.0011			1337	8	1348	7	1365	8		1365	8
PH-1-9-13-19A-043	0.2345	0.0016	2.8127	0.0252	0.0870	0.0011			1358	8	1359	7	1361	8		1361	8
PH-1-9-13-19A-044	0.2171	0.0014	2.4924	0.0192	0.0833	0.0009			1266	7	1270	6	1276	7		1276	7
PH-1-9-13-19A-045	0.2279	0.0015	2.7003	0.0231	0.0859	0.0010			1324	8	1329	6	1337	8		1337	8
PH-1-9-13-19A-046	0.2288	0.0015	2.7532	0.0243	0.0873	0.0010			1328	8	1343	7	1367	8		1367	8
PH-1-9-13-19A-047	0.2269	0.0015	2.6314	0.0217	0.0841	0.0010			1318	8	1309	6	1295	7		1295	7
PH-1-9-13-19A-048	0.2215	0.0014	2.5504	0.0210	0.0835	0.0010			1290	8	1287	6	1282	7		1282	7
PH-1-9-13-19A-049	0.2251	0.0015	2.6568	0.0211	0.0856	0.0010			1309	8	1317	6	1330	7		1330	7

PH-1-9-13-19A-050	0.225 4	0.001 5	2.692 7	0.0 228	0.0867	0.0 010			1310	8	1326	6	1353	8		1353	8
PH-1-9-13-19A-051	0.226 7	0.001 5	2.652 1	0.0 207	0.0849	0.0 010			1317	8	1315	6	1313	7		1313	7
PH-1-9-13-19A-052	0.225 9	0.001 5	2.640 1	0.0 215	0.0848	0.0 010			1313	8	1312	6	1311	7		1311	7
PH-1-9-13-19A-053	0.232 3	0.001 5	2.765 3	0.0 226	0.0864	0.0 010			1347	8	1346	6	1346	7		1346	7
PH-1-9-13-19A-054	0.220 9	0.001 5	2.616 9	0.0 235	0.0859	0.0 010			1287	8	1305	7	1337	8		1337	8
PH-1-9-13-19A-055	0.228 7	0.001 5	2.734 5	0.0 211	0.0867	0.0 010			1328	8	1338	6	1355	7		1355	7
PH-1-9-13-19A-056	0.224 9	0.001 5	2.638 6	0.0 223	0.0851	0.0 010			1308	8	1311	6	1318	8		1318	8
PH-1-9-13-19A-057	0.230 7	0.001 5	2.756 4	0.0 228	0.0867	0.0 010			1338	8	1344	6	1354	7		1354	7
PH-1-9-13-19A-058	0.228 3	0.001 5	2.686 1	0.0 221	0.0854	0.0 010			1326	8	1325	6	1324	7		1324	7
PH-1-9-13-19A-059	0.216 5	0.001 4	2.579 2	0.0 223	0.0864	0.0 010			1263	8	1295	6	1348	8		1348	8
PH-1-9-13-19A-060	0.222 1	0.001 5	2.581 0	0.0 244	0.0843	0.0 010			1293	8	1295	7	1300	9		1300	9
PH-1-9-13-19A-061	0.232 7	0.001 5	2.797 6	0.0 234	0.0872	0.0 010			1349	8	1355	6	1366	7		1366	7
PH-1-9-13-19A-062	0.194 1	0.001 2	2.238 1	0.0 156	0.0837	0.0 009			1143	7	1193	5	1285	6	-	-	-
PH-1-9-13-19A-063	0.196 9	0.001 2	2.176 3	0.0 183	0.0802	0.0 008			1159	7	1173	6	1201	21		1201	21
PH-1-9-13-19A-064	0.224 8	0.001 5	2.602 9	0.0 206	0.0840	0.0 009			1307	8	1301	6	1293	7		1293	7
PH-1-9-13-19A-065	0.228 3	0.001 5	2.725 7	0.0 271	0.0866	0.0 010			1326	8	1335	7	1351	23		1351	23
PH-1-9-13-19A-066	0.229 1	0.001 5	2.715 4	0.0 234	0.0860	0.0 010			1330	8	1333	6	1338	8		1338	8
PH-1-9-13-19A-067	0.217 1	0.001 4	2.502 3	0.0 199	0.0836	0.0 009			1266	7	1273	6	1284	7		1284	7
PH-1-9-13-19A-068	0.203 0	0.001 3	2.230 7	0.0 216	0.0797	0.0 010			1191	7	1191	7	1190	10		1190	10
PH-1-9-13-19A-069	0.227 2	0.001 5	2.706 5	0.0 216	0.0865	0.0 010			1320	8	1330	6	1348	7		1348	7
PH-1-9-13-19A-070	0.230 8	0.001 5	2.747 7	0.0 244	0.0864	0.0 010			1339	8	1341	7	1346	8		1346	8
PH-1-9-13-19A-071	0.220 5	0.001 4	2.559 1	0.0 196	0.0842	0.0 009			1284	8	1289	6	1297	7		1297	7
PH-1-9-13-19A-072	0.199 8	0.001 3	2.187 8	0.0 188	0.0795	0.0 009			1174	7	1177	6	1183	8		1183	8
PH-1-9-13-19A-073	0.223 2	0.001 5	2.571 4	0.0 218	0.0836	0.0 010			1299	8	1293	6	1283	8		1283	8
PH-1-9-13-19A-074	0.222 3	0.001 5	2.572 1	0.0 245	0.0840	0.0 010			1294	8	1293	7	1292	9		1292	9
PH-1-9-13-19A-075	0.230 5	0.001 5	2.743 6	0.0 232	0.0864	0.0 010			1337	8	1340	6	1346	8		1346	8

PH-1-9-13-19A-076	0.236 7	0.001 6	2.868 5	0.0 243	0.0880	0.0 010			1369	8	1374	6	1381	8		1381	8
PH-1-9-13-19A-077	0.229 2	0.001 5	2.714 3	0.0 218	0.0859	0.0 010			1330	8	1332	6	1337	7		1337	7
PH-1-9-13-19A-078	0.131 8	0.000 8	1.444 0	0.0 101	0.0795	0.0 008			798	5	907	4	1184	6	-	-	
PH-1-9-13-19A-079	0.208 1	0.001 4	2.341 8	0.0 205	0.0817	0.0 010			1219	7	1225	6	1237	8		1237	8
PH-1-9-13-19A-080	0.232 6	0.001 5	2.775 3	0.0 218	0.0866	0.0 010			1348	8	1349	6	1351	7		1351	7
PH-1-9-13-19A-081	0.194 9	0.001 3	2.107 6	0.0 177	0.0785	0.0 009			1148	7	1151	6	1158	8	<b>1158</b>	<b>8</b>	
PH-1-9-13-19A-082	0.214 2	0.001 4	2.432 7	0.0 177	0.0824	0.0 009			1251	7	1252	5	1255	6		1255	6
PH-1-9-13-19A-083	0.228 1	0.001 5	2.714 7	0.0 217	0.0863	0.0 010			1325	8	1332	6	1346	7		1346	7
PH-1-9-13-19A-084	0.249 4	0.001 7	3.206 9	0.0 266	0.0933	0.0 011			1436	9	1459	6	1494	7		1494	7
PH-1-9-13-19A-085	0.214 8	0.001 4	2.543 9	0.0 191	0.0859	0.0 009			1254	7	1285	5	1337	6		1337	6
PH-1-9-13-19A-086	0.231 3	0.001 5	2.744 1	0.0 239	0.0861	0.0 010			1341	8	1340	6	1340	8		1340	8
PH-1-9-13-19A-087	0.233 5	0.001 6	2.788 3	0.0 236	0.0867	0.0 010			1353	8	1352	6	1353	8		1353	8
PH-1-9-13-19A-088	0.227 1	0.001 5	2.655 4	0.0 235	0.0849	0.0 010			1319	8	1316	7	1312	8		1312	8
PH-1-9-13-19A-089	0.232 7	0.001 6	2.730 0	0.0 247	0.0851	0.0 010			1348	8	1337	7	1319	8		1319	8
PH-1-9-13-19A-090	0.212 4	0.001 4	2.388 0	0.0 223	0.0816	0.0 010			1242	8	1239	7	1235	9		1235	9
PH-1-9-13-19A-091	0.224 9	0.001 5	2.612 8	0.0 248	0.0843	0.0 010			1308	8	1304	7	1299	9		1299	9
PH-1-9-13-19A-092	0.215 8	0.001 5	2.488 1	0.0 249	0.0837	0.0 011			1260	8	1269	7	1285	10		1285	10
PH-1-9-13-19A-093	0.229 5	0.001 5	2.716 1	0.0 229	0.0859	0.0 010			1332	8	1333	6	1335	7		1335	7
PH-1-9-13-19A-094	0.225 7	0.001 5	2.655 1	0.0 226	0.0854	0.0 010			1312	8	1316	6	1324	8		1324	8
PH-1-9-13-19A-095	0.214 6	0.001 4	2.441 8	0.0 215	0.0826	0.0 010			1253	8	1255	6	1259	8		1259	8
PH-1-9-13-19A-096	0.222 4	0.001 5	2.571 3	0.0 268	0.0839	0.0 011			1294	8	1292	8	1290	10		1290	10
PH-1-9-13-19A-097	0.229 8	0.001 5	2.730 3	0.0 207	0.0862	0.0 009			1334	8	1337	6	1343	7		1343	7
PH-1-9-13-19A-098	0.206 1	0.001 4	2.278 3	0.0 241	0.0802	0.0 011			1208	8	1206	7	1202	11		1202	11
PH-1-9-13-19A-099	0.217 2	0.001 4	2.452 5	0.0 230	0.0820	0.0 010			1267	8	1258	7	1244	9		1244	9
PH-1-9-13-19A-100	0.215 7	0.001 5	2.457 0	0.0 220	0.0826	0.0 010			1259	8	1259	6	1261	8		1261	8
Isotopic ratios and ages were corrected for common lead except sample PH-1-3-13-10A																	

Sample/analysis designation corresponds to the sampling date, traverse stop, and analysis number															
The youngest three concordant ages are bolded, the youngest one age is interpreted to be maximum depositional age															

**Table S5.** U-Pb detrital zircon geochronology data of Lalpani schist metasedimentary rocks

Sample/an alysis	Isotopic ratios		<sup>207</sup> Pb / <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	Error corr.	Apparent ages (Ma)				<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	Best age	
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.						<sup>206</sup> Pb / <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb / <sup>235</sup> U	± 1 s.e.			(Ma)	± (Ma)
PH-1-9- 13-2-001	0.099 2	0.0 006	1.123 2	0.0 11 2	0.0821	0.0 011	0.9	610	4	765	5	1249	10	1117	22
PH-1-9- 13-2-002	0.045 8	0.0 005	0.592 3	0.0 21 5	0.0938	0.0 036	0.9	289	3	472	14	1503	51	-	-
PH-1-9- 13-2-003	0.163 7	0.0 014	1.821 5	0.0 37 3	0.0807	0.0 018	0.9	977	8	1053	13	1215	27	-	-
PH-1-9- 13-2-004	0.073 9	0.0 005	0.645 7	0.0 12 5	0.0633	0.0 013	0.86	460	3	506	8	720	45	977	8
PH-1-9- 13-2-005	0.109 1	0.0 008	0.924 6	0.0 18 3	0.0615	0.0 013	0.9	667	5	665	10	657	29	460	3
PH-1-9- 13-2-006	0.084 4	0.0 008	0.877 6	0.0 22 7	0.0754	0.0 021	0.9	522	5	640	12	1080	37	667	5
PH-1-9- 13-2-007	0.136 4	0.0 010	1.348 8	0.0 22 9	0.0718	0.0 014	0.9	824	6	867	10	979	22	-	-
PH-1-9- 13-2-008	0.093 2	0.0 007	0.885 5	0.0 21 7	0.0689	0.0 018	0.86	574	4	644	12	897	54	824	6
PH-1-9- 13-2-009	0.371 8	0.0 028	9.313 9	0.1 11 2	0.1817	0.0 026	0.87	2038	13	2369	11	2668	24	-	-
PH-1-9- 13-2-010	0.072 5	0.0 005	2.153 3	0.0 21 4	0.2155	0.0 029	0.9	451	3	1166	7	2947	8	-	-
PH-1-9- 13-2-011	0.126 5	0.0 012	1.442 5	0.0 32 3	0.0827	0.0 020	0.9	768	7	907	13	1262	30	-	-
PH-1-9- 13-2-012	0.193 4	0.0 013	3.123 4	0.0 33 1	0.1171	0.0 015	0.87	1140	7	1438	8	1913	23	-	-
PH-1-9- 13-2-013	0.104 9	0.0 026	0.887 0	0.1 13 2	0.0614	0.0 079	0.9	643	15	645	61	652	237	-	-
PH-1-9- 13-2-014	0.041 9	0.0 005	0.298 8	0.0 15 8	0.0518	0.0 028	0.9	264	3	265	12	276	100	643	15
PH-1-9- 13-2-015	0.148 4	0.0 011	1.425 0	0.0 24 2	0.0697	0.0 013	0.9	892	6	899	10	919	23	264	3
PH-1-9- 13-2-016	0.117 5	0.0 019	1.465 0	0.0 70 9	0.0905	0.0 045	0.9	716	11	916	29	1436	67	892	6
PH-1-9- 13-2-017	0.130 0	0.0 020	3.658 1	0.1 05 0	0.2041	0.0 064	0.9	788	11	1562	23	2859	27	-	-
PH-1-9- 13-2-018	0.203 3	0.0 022	2.283 4	0.0 62 7	0.0815	0.0 024	0.9	1193	12	1207	19	1233	37	-	-
PH-1-9- 13-2-019	0.053 8	0.0 006	0.513 4	0.0 27 2	0.0692	0.0 038	0.82	338	4	421	18	905	115	1233	37
PH-1-9- 13-2-020	0.365 4	0.0 031	6.291 5	0.1 05 4	0.1249	0.0 023	0.88	2008	15	2017	15	2027	34	-	-
PH-1-9- 13-2-021	0.192 5	0.0 023	3.811 5	0.0 99 4	0.1437	0.0 040	0.9	1135	12	1595	21	2272	28	2027	34

PH-1-9-13-2-022	0.170 5	0.0 015	3.057 9	0.0 52 4	0.1302	0.0 025	0.9		1015	8	1422	13	2100	18	-	-
PH-1-9-13-2-023	0.126 1	0.0 033	1.361 5	0.2 05 1	0.0783	0.0 120	0.86		766	19	873	88	1154	325	-	-
PH-1-9-13-2-024	0.137 1	0.0 012	1.288 6	0.0 29 4	0.0682	0.0 017	0.9		828	7	841	13	874	33	-	-
PH-1-9-13-2-025	0.190 4	0.0 016	2.080 3	0.0 42 0	0.0793	0.0 018	0.9		1124	9	1142	14	1179	26	828	7
PH-1-9-13-2-026	0.102 6	0.0 009	0.894 9	0.0 24 5	0.0633	0.0 018	0.9		630	5	649	13	718	42	1179	26
PH-1-9-13-2-027	0.105 1	0.0 011	0.879 1	0.0 30 4	0.0607	0.0 022	0.9		644	6	641	16	628	57	630	5
PH-1-9-13-2-028	0.104 4	0.0 013	1.683 4	0.0 53 6	0.1171	0.0 040	0.9		640	8	1002	20	1912	39	644	6
PH-1-9-13-2-029	0.054 3	0.0 008	0.487 7	0.0 27 5	0.0652	0.0 038	0.9		341	5	403	19	781	93	-	-
PH-1-9-13-2-030	0.090 8	0.0 009	0.882 5	0.0 27 6	0.0705	0.0 023	0.9		560	5	642	15	944	47	-	-
PH-1-9-13-2-031	0.104 1	0.0 008	0.905 1	0.0 16 8	0.0631	0.0 013	0.9		639	5	654	9	711	27	-	-
PH-1-9-13-2-032	0.212 3	0.0 019	3.018 5	0.0 60 8	0.1031	0.0 023	0.88		1241	10	1412	15	1681	42	639	5
PH-1-9-13-2-033	0.396 6	0.0 039	6.852 4	0.1 18 9	0.1254	0.0 024	0.9		2153	18	2093	15	2034	17	-	-
PH-1-9-13-2-034	0.034 6	0.0 010	0.219 9	0.0 32 3	0.0461	0.0 069	0.74		219	6	202	27		271	2034	17
PH-1-9-13-2-035	0.099 9	0.0 021	0.851 5	0.0 76 2	0.0618	0.0 057	0.85		614	12	625	42	669	204	219	6
PH-1-9-13-2-036	0.084 9	0.0 027	0.772 8	0.1 24 9	0.0660	0.0 109	0.86		525	16	581	72	807	369	614	12
PH-1-9-13-2-037	0.066 7	0.0 008	1.601 0	0.0 37 8	0.1742	0.0 046	0.9		416	5	971	15	2598	24	-	-
PH-1-9-13-2-038	0.039 0	0.0 008	0.247 9	0.0 20 9	0.0461	0.0 040	0.31		247	5	225	17		192	-	-
PH-1-9-13-2-039	0.043 8	0.0 004	0.777 4	0.0 17 9	0.1287	0.0 033	0.9		277	3	584	10	2080	26	247	5
PH-1-9-13-2-040	0.037 4	0.0 013	0.246 6	0.0 67 1	0.0478	0.0 131	0.8		237	8	224	55	89	456	-	-
PH-1-9-13-2-041	0.091 7	0.0 028	0.788 2	0.0 87 5	0.0624	0.0 071	0.9		565	16	590	50	687	187	237	8
PH-1-9-13-2-042	0.045 1	0.0 004	0.325 8	0.0 10 0	0.0524	0.0 017	0.9		284	2	286	8	304	54	565	16
PH-1-9-13-2-043	0.015 5	0.0 003	0.119 8	0.0 30 8	0.0563	0.0 145	0.83		99	2	115	28	462	497	284	2
PH-1-9-13-2-044	0.016 8	0.0 004	0.159 2	0.0 14 1	0.0688	0.0 063	0.9		107	2	150	12	893	145	-	-
PH-1-9-13-2-045	0.158 4	0.0 015	1.657 9	0.0 82 1	0.0759	0.0 038	0.76		948	8	993	31	1092	104	-	-
PH-1-9-13-2-046	0.093 7	0.0 008	0.957 8	0.0 21 4	0.0742	0.0 018	0.9		577	5	682	11	1046	31	948	8
PH-1-9-13-2-047	0.286 4	0.0 026	3.911 6	0.0 72 0	0.0991	0.0 020	0.9		1623	13	1616	15	1608	21	-	-

PH-1-9-13-2-048	0.0938	0.0018	0.8803	0.0576	0.0681	0.0046	0.9		578	10	641	31	871	105	1608	21
PH-1-9-13-2-049	0.1562	0.0015	1.5029	0.0386	0.0698	0.0019	0.9		936	8	932	16	923	37	-	-
PH-1-9-13-2-050	0.0701	0.0009	0.5501	0.0279	0.0569	0.0030	0.9		437	5	445	18	489	90	936	8
PH-1-9-13-2-051	0.2187	0.0030	2.8512	0.0956	0.0946	0.0033	0.9		1275	16	1369	25	1520	43	437	5
PH-1-9-13-2-052	0.1620	0.0029	2.0085	0.0976	0.0900	0.0045	0.9		968	16	1118	33	1424	65	-	-
PH-1-9-13-2-053	0.1117	0.0039	0.7091	0.6747	0.0461	0.0438	0.16		683	23	544	401		1206	-	-
PH-1-9-13-2-054	0.0567	0.0018	0.3600	0.0831	0.0461	0.0107	0.78		356	11	312	62		380	-	-
PH-1-9-13-2-055	0.0461	0.0008	0.3296	0.0287	0.0519	0.0046	0.9		291	5	289	22	281	167	-	-
PH-1-9-13-2-056	0.0451	0.0007	0.2864	0.0244	0.0461	0.0040	0.59		284	4	256	19		190	291	5
PH-1-9-13-2-057	0.1107	0.0025	1.6269	0.1010	0.1066	0.0069	0.9		677	15	981	39	1743	80	284	4
PH-1-9-13-2-058	0.0316	0.0010	0.2199	0.0319	0.0506	0.0075	0.9		200	6	202	27	221	264		
PH-1-9-13-2-059	0.3222	0.0027	4.8018	0.0760	0.1081	0.0019	0.9		1800	13	1785	13	1768	17	200	6
PH-1-9-13-2-060	0.0355	0.0015	0.2254	0.0373	0.0461	0.0078	0.36		225	9	206	31		299	1768	17
PH-1-9-13-2-061	0.2372	0.0039	2.8595	0.1205	0.0875	0.0038	0.9		1372	20	1371	32	1371	56	225	9
PH-1-9-13-2-062	0.0425	0.0015	0.2995	0.0575	0.0511	0.0100	0.9		268	9	266	45	247	326	1371	56
PH-1-9-13-2-063	0.0235	0.0006	0.1494	0.0280	0.0461	0.0087	0.21		150	4	141	25		323	268	9
PH-1-9-13-2-064	0.0730	0.0034	0.6427	0.1231	0.0639	0.0125	0.9		454	21	504	76	737	338	150	4
PH-1-9-13-2-065	0.0893	0.0026	1.8751	0.2701	0.1524	0.0224	0.89		551	15	1072	95	2373	265	-	-
PH-1-9-13-2-066	0.0901	0.0015	0.7373	0.0587	0.0594	0.0048	0.9		556	9	561	34	582	145	-	-
PH-1-9-13-2-067	0.0792	0.0041	1.1718	0.3089	0.1073	0.0288	0.89		491	25	787	144	1754	578	556	9
PH-1-9-13-2-068	0.0761	0.0014	0.7248	0.0459	0.0691	0.0045	0.9		473	8	554	27	901	100	-	-
PH-1-9-13-2-069	0.0718	0.0038	2.1304	0.4231	0.2152	0.0442	0.91		447	23	1159	137	2945	364	-	-
PH-1-9-13-2-070	0.0416	0.0003	0.6634	0.0139	0.1157	0.0026	0.84		263	2	517	8	1891	41	-	-
PH-1-9-13-2-071	0.0338	0.0016	0.2294	0.1044	0.0493	0.0225	0.81		214	10	210	86	161	800	-	-
PH-1-9-13-2-072	0.0622	0.0011	0.4785	0.0367	0.0558	0.0044	0.9		389	7	397	25	444	139	214	10
PH-1-9-13-2-073	0.2853	0.0028	8.1186	0.1207	0.2065	0.0035	0.9		1618	14	2244	13	2878	12	389	7

PH-1-9-13-2-074	0.050 2	0.0 013	0.342 0	0.0 61 9	0.0494 0.0 090	0.82		316	8	299	47	167	339	-	-
PH-1-9-13-2-075	0.033 7	0.0 006	0.213 6	0.0 45 2	0.0461 0.0 098	0.15		213	3	197	38		353	316	8
PH-1-9-13-2-076	0.067 6	0.0 020	0.626 9	0.0 78 0	0.0673 0.0 085	0.9		422	12	494	49	846	215	213	3
PH-1-9-13-2-077	0.525 2	0.0 059	13.50 86	0.2 21 7	0.1866 0.0 033	0.9		2721	25	2716	16	2713	14	-	-
PH-1-9-13-2-078	0.034 9	0.0 006	0.416 4	0.0 29 1	0.0867 0.0 062	0.9		221	4	353	21	1354	108	2713	14
PH-1-9-13-2-079	0.135 8	0.0 014	2.768 7	0.0 55 8	0.1480 0.0 033	0.9		821	8	1347	15	2323	21	-	-
PH-1-9-13-2-080	0.164 2	0.0 018	1.645 6	0.0 72 1	0.0727 0.0 033	0.86		980	10	988	28	1005	94	-	-
PH-1-9-13-2-081	0.061 3	0.0 008	0.500 6	0.0 23 0	0.0592 0.0 028	0.9		384	5	412	16	576	78	980	10
PH-1-9-13-2-082	0.036 7	0.0 015	0.367 9	0.0 99 5	0.0727 0.0 199	0.88		232	9	318	74	1005	581	384	5
PH-1-9-13-2-083	0.080 5	0.0 013	0.683 1	0.0 41 8	0.0615 0.0 039	0.87		499	7	529	25	657	139	-	-
PH-1-9-13-2-084	0.086 6	0.0 013	0.829 6	0.0 41 6	0.0695 0.0 036	0.9		535	8	613	23	915	78	499	7
PH-1-9-13-2-085	0.117 7	0.0 013	1.018 5	0.0 38 8	0.0628 0.0 025	0.9		717	8	713	20	701	62	-	-
PH-1-9-13-2-086	0.139 3	0.0 026	1.472 5	0.0 89 7	0.0767 0.0 048	0.9		840	15	919	37	1114	92	717	8
PH-1-9-13-2-087	0.074 3	0.0 009	0.949 5	0.0 31 9	0.0928 0.0 033	0.9		462	5	678	17	1483	46	840	15
PH-1-9-13-2-088	0.147 0	0.0 023	1.404 3	0.0 73 1	0.0693 0.0 037	0.9		884	13	891	31	908	81	-	-
PH-1-9-13-2-089	0.224 7	0.0 024	4.593 1	0.0 91 8	0.1483 0.0 033	0.9		1307	12	1748	17	2327	20	884	13
PH-1-9-13-2-090	0.199 7	0.0 014	2.960 0	0.0 41 6	0.1075 0.0 017	0.83		1173	7	1397	11	1758	29	-	-
PH-1-9-13-2-091	0.112 0	0.0 028	2.555 9	0.2 65 9	0.1656 0.0 177	0.87		684	16	1288	76	2514	187	-	-
PH-1-9-13-2-092	0.101 5	0.0 008	0.845 6	0.0 17 6	0.0604 0.0 014	0.9		623	5	622	10	619	31	-	-
PH-1-9-13-2-093	0.036 5	0.0 004	0.350 2	0.0 13 6	0.0696 0.0 028	0.9		231	3	305	10	915	61	623	5
PH-1-9-13-2-094	0.540 5	0.0 059	14.43 33	0.2 29 1	0.1937 0.0 033	0.9		2785	25	2779	15	2774	13	-	-
PH-1-9-13-2-095	0.070 3	0.0 006	1.334 1	0.0 24 9	0.1376 0.0 029	0.9		438	4	861	11	2197	20	2774	13
PH-1-9-13-2-096	0.185 7	0.0 026	3.830 9	0.1 15 6	0.1496 0.0 050	0.87		1098	14	1599	24	2342	58	-	-
PH-1-9-13-2-097	0.070 4	0.0 009	0.972 0	0.0 33 6	0.1002 0.0 037	0.9		438	5	689	17	1628	46	-	-
PH-1-9-13-2-098	0.024 6	0.0 005	0.171 7	0.0 59 4	0.0507 0.0 176	0.82		157	3	161	51	226	603	-	-
PH-1-9-13-2-100	0.068 2	0.0 029	1.804 2	0.2 68 5	0.1919 0.0 297	0.89		425	17	1047	97	2759	269	157	3

	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	Error corr.		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	(Ma)	$\pm$ (Ma)
PH-1-12-13-7-001	0.0208	0.0002	0.1626	0.0055	0.0566	0.0020	0.91		132.8	0.9	153	5	477	79	-	-
PH-1-12-13-7-002	0.0113	0.0001	0.0923	0.0045	0.0594	0.0029	0.87		72.3	0.6	90	4	581	110	-	-
PH-1-12-13-7-003	0.0815	0.0005	0.6605	0.0095	0.0587	0.0010	0.9		505	3	515	6	557	20	505	3
PH-1-12-13-7-004	0.0775	0.0006	0.6157	0.0114	0.0576	0.0012	0.9		481	3	487	7	513	28	481	3
PH-1-12-13-7-005	0.0720	0.0006	0.6120	0.0145	0.0616	0.0016	0.9		448	4	485	9	661	37	448	4
PH-1-12-13-7-006	0.0823	0.0008	0.6398	0.0188	0.0563	0.0017	0.9		510	5	502	12	465	49	510	5
PH-1-12-13-7-007	0.0763	0.0012	0.6097	0.0385	0.0579	0.0037	0.9		474	7	483	24	526	112	474	7
PH-1-12-13-7-008	0.0283	0.0002	0.2392	0.0038	0.0614	0.0011	0.91		180	1	218	3	653	38	-	-
PH-1-12-13-7-009	0.0866	0.0007	0.6940	0.0143	0.0581	0.0013	0.9		535	4	535	9	534	32	535	4
PH-1-12-13-7-010	0.0516	0.0004	0.3895	0.0088	0.0548	0.0013	0.88		324	2	334	6	402	54	324	2
PH-1-12-13-7-011	0.0769	0.0007	0.6633	0.0183	0.0625	0.0018	0.9		477	4	517	11	693	43	477	4
PH-1-12-13-7-012	0.0094	0.0001	0.1180	0.0019	0.0913	0.0017	0.9		60.1	0.4	113	2	1453	19	-	-
PH-1-12-13-7-013	0.0763	0.0005	0.6170	0.0101	0.0586	0.0011	0.9		474	3	488	6	552	24	474	3
PH-1-12-13-7-014	0.0879	0.0007	0.7056	0.0211	0.0583	0.0018	0.88		543	4	542	13	539	69	543	4
PH-1-12-13-7-015	0.0214	0.0002	0.2324	0.0033	0.0787	0.0013	0.9		136.6	0.9	212	3	1163	17	-	-
PH-1-12-13-7-016	0.0217	0.0001	0.1831	0.0018	0.0612	0.0008	0.9		138.3	0.8	171	2	646	11	-	-
PH-1-12-13-7-017	0.1303	0.0008	1.7240	0.0149	0.0960	0.0010	0.89		789	4	1018	6	1548	20	-	-
PH-1-12-13-7-018	0.0920	0.0008	0.9652	0.0216	0.0761	0.0019	0.9		567	5	686	11	1097	31	-	-
PH-1-12-13-7-019	0.0816	0.0005	0.6442	0.0089	0.0572	0.0009	0.9		506	3	505	6	500	19	506	3
PH-1-12-13-7-020	0.0880	0.0010	1.1077	0.0343	0.0912	0.0030	0.9		544	6	757	17	1451	42	-	-
PH-1-12-13-7-021	0.0280	0.0002	0.2144	0.0062	0.0556	0.0017	0.88		178	1	197	5	435	68	-	-
PH-1-12-13-7-022	0.0560	0.0004	0.4468	0.0057	0.0578	0.0009	0.9		351	2	375	4	523	17	351	2
PH-1-12-13-7-023	0.0854	0.0008	0.7188	0.0222	0.0610	0.0020	0.9		528	5	550	13	639	50	528	5
PH-1-12-13-7-024	0.0864	0.0007	0.6952	0.0176	0.0583	0.0016	0.9		534	4	536	11	542	41	534	4

PH-1-12-13-7-025	0.0876	0.0007	0.7539	0.0170	0.0624	0.0015	0.9		541	4	571	10	687	34	541	4
PH-1-12-13-7-026	0.0856	0.0007	0.6846	0.0215	0.0580	0.0019	0.87		529	4	530	13	530	73	529	4
PH-1-12-13-7-027	0.0574	0.0005	0.5170	0.0175	0.0654	0.0023	0.9		360	3	423	12	786	75	-	-
PH-1-12-13-7-028	0.0809	0.0007	0.6310	0.0160	0.0566	0.0015	0.9		501	4	497	10	474	41	501	4
PH-1-12-13-7-029	0.0642	0.0004	0.5151	0.0060	0.0582	0.0008	0.9		401	2	422	4	536	15	401	2
PH-1-12-13-7-030	0.0839	0.0007	0.6643	0.0168	0.0574	0.0016	0.9		519	4	517	10	508	41	519	4
PH-1-12-13-7-031	0.0832	0.0006	0.6621	0.0098	0.0577	0.0010	0.9		515	3	516	6	519	21	515	3
PH-1-12-13-7-032	0.3003	0.0021	4.3097	0.0499	0.1041	0.0015	0.9		1693	11	1695	10	1698	11	1698	11
PH-1-12-13-7-033	0.0247	0.0002	0.1854	0.0031	0.0544	0.0010	0.89		157.5	1	173	3	386	41	158	1
PH-1-12-13-7-034	0.0394	0.0003	0.3580	0.0082	0.0659	0.0016	0.89		249	2	311	6	804	51	-	-
PH-1-12-13-7-035	0.0318	0.0002	0.2365	0.0058	0.0539	0.0014	0.9		202	1	216	5	367	59	202	1
PH-1-12-13-7-036	0.0821	0.0008	0.6839	0.0212	0.0604	0.0020	0.9		509	5	529	13	617	50	509	5
PH-1-12-13-7-037	0.0557	0.0011	0.8704	0.0349	0.1132	0.0050	0.9		350	7	636	19	1852	45	-	-
PH-1-12-13-7-038	0.0692	0.0005	0.5638	0.0142	0.0591	0.0016	0.88		431	3	454	9	571	58	431	3
PH-1-12-13-7-039	0.0905	0.0008	0.8248	0.0210	0.0661	0.0018	0.9		558	5	611	12	810	38	558	5
PH-1-12-13-7-040	0.0868	0.0008	0.7352	0.0193	0.0614	0.0017	0.9		537	5	560	11	654	41	537	5
PH-1-12-13-7-041	0.0645	0.0004	0.5288	0.0083	0.0595	0.0011	0.9		403	3	431	6	584	22	403	3
PH-1-12-13-7-042	0.0257	0.0002	0.2014	0.0032	0.0568	0.0010	0.89		163.6	1	186	3	485	38	-	-
PH-1-12-13-7-043	0.0198	0.0001	0.1944	0.0053	0.0714	0.0020	0.89		126.1	0.9	180	5	968	59	-	-
PH-1-12-13-7-044	0.0256	0.0002	0.2037	0.0023	0.0577	0.0008	0.9		163	1	188	2	518	15	-	-
PH-1-12-13-7-045	0.0804	0.0006	0.6359	0.0124	0.0573	0.0012	0.9		499	4	500	8	504	30	499	4
PH-1-12-13-7-046	0.0296	0.0002	0.2456	0.0064	0.0602	0.0016	0.9		188	1	223	5	609	59	-	-
PH-1-12-13-7-047	0.0847	0.0008	0.7012	0.0204	0.0600	0.0019	0.9		524	5	540	12	604	47	524	5
PH-1-12-13-7-048	0.0847	0.0006	0.6841	0.0127	0.0586	0.0012	0.9		524	4	529	8	552	28	524	4
PH-1-12-13-7-049	0.0891	0.0008	0.7644	0.0214	0.0622	0.0019	0.9		550	5	577	12	681	44	550	5
PH-1-12-13-7-050	0.0188	0.0001	0.1682	0.0016	0.0649	0.0008	0.9		120.1	0.7	158	1	769	11	-	-

PH-1-12-13-7-051	0.079 4	0.0 006	0.627 1	0.0 11 0	0.0573	0.0 011	0.9		493	3	494	7	502	26	493	3
PH-1-12-13-7-052	0.079 3	0.0 005	0.639 3	0.0 10 1	0.0585	0.0 011	0.9		492	3	502	6	549	23	492	3
PH-1-12-13-7-053	0.080 4	0.0 005	0.636 2	0.0 09 7	0.0574	0.0 010	0.9		499	3	500	6	506	22	499	3
PH-1-12-13-7-054	0.047 7	0.0 003	0.398 7	0.0 07 3	0.0607	0.0 012	0.9		300	2	341	5	627	27	-	-
PH-1-12-13-7-055	0.031 5	0.0 002	0.261 3	0.0 02 5	0.0602	0.0 008	0.9		200	1	236	2	611	11	-	-
PH-1-12-13-7-056	0.081 0	0.0 006	0.659 5	0.0 13 6	0.0591	0.0 013	0.9		502	4	514	8	570	32	502	4
PH-1-12-13-7-057	0.042 4	0.0 003	0.349 6	0.0 06 2	0.0598	0.0 012	0.9		268	2	304	5	597	26	-	-
PH-1-12-13-7-058	0.053 8	0.0 003	0.433 0	0.0 05 0	0.0584	0.0 008	0.9		338	2	365	4	543	15	338	2
PH-1-12-13-7-059	0.088 9	0.0 009	0.851 1	0.0 26 0	0.0695	0.0 023	0.9		549	5	625	14	912	46	-	-
PH-1-12-13-7-060	0.084 0	0.0 010	0.699 8	0.0 28 6	0.0604	0.0 026	0.9		520	6	539	17	619	68	520	6
PH-1-12-13-7-061	0.037 5	0.0 003	0.275 9	0.0 07 4	0.0534	0.0 015	0.89		237	2	247	6	345	64	237	2
PH-1-12-13-7-062	0.026 0	0.0 002	0.218 4	0.0 02 2	0.0611	0.0 008	0.9		165.2	0.9	201	2	641	12	-	-
PH-1-12-13-7-063	0.027 6	0.0 002	0.229 0	0.0 02 2	0.0602	0.0 008	0.9		176	1	209	2	609	12	-	-
PH-1-12-13-7-064	0.031 5	0.0 002	0.231 0	0.0 06 4	0.0532	0.0 015	0.89		200	1	211	5	336	67	200	1
PH-1-12-13-7-065	0.071 0	0.0 005	0.569 8	0.0 09 4	0.0582	0.0 011	0.9		442	3	458	6	539	24	442	3
PH-1-12-13-7-066	0.079 0	0.0 005	0.627 5	0.0 08 5	0.0576	0.0 009	0.9		490	3	495	5	515	19	490	3
PH-1-12-13-7-067	0.082 6	0.0 006	0.672 0	0.0 14 2	0.0591	0.0 014	0.9		511	4	522	9	569	32	511	4
PH-1-12-13-7-068	0.043 7	0.0 003	0.410 7	0.0 07 4	0.0682	0.0 014	0.9		276	2	349	5	874	26	-	-
PH-1-12-13-7-069	0.080 2	0.0 006	0.630 6	0.0 20 1	0.0571	0.0 019	0.88		497	4	496	12	494	74	497	4
PH-1-12-13-7-070	0.076 8	0.0 008	0.637 1	0.0 21 8	0.0602	0.0 022	0.9		477	5	500	14	611	56	477	5
PH-1-12-13-7-071	0.045 0	0.0 003	0.363 1	0.0 05 8	0.0586	0.0 011	0.9		284	2	315	4	552	23	-	-
PH-1-12-13-7-072	0.027 2	0.0 002	0.200 0	0.0 04 5	0.0533	0.0 012	0.91		173	1	185	4	341	54	173	1
PH-1-12-13-7-073	0.073 0	0.0 005	0.577 8	0.0 08 0	0.0575	0.0 010	0.9		454	3	463	5	510	19	454	3
PH-1-12-13-7-074	0.081 3	0.0 006	0.639 1	0.0 14 5	0.0570	0.0 014	0.9		504	4	502	9	492	36	504	4
PH-1-12-13-7-075	0.082 5	0.0 005	0.725 9	0.0 07 7	0.0638	0.0 009	0.9		511	3	554	5	736	13	511	3
PH-1-12-13-7-076	0.077 4	0.0 005	0.613 2	0.0 05 6	0.0575	0.0 007	0.9		481	3	486	4	509	10	481	3

PH-1-12-13-7-077	0.085 1	0.0 010	0.858 6	0.0 47 0	0.0732	0.0 041	0.91		526	6	629	26	1019	116	-	-
PH-1-12-13-7-078	0.018 4	0.0 001	0.152 2	0.0 02 0	0.0599	0.0 010	0.9		117.8	0.7	144	2	599	18	-	-
PH-1-12-13-7-079	0.080 6	0.0 006	0.648 4	0.0 14 5	0.0584	0.0 014	0.9		500	4	508	9	544	35	500	4
PH-1-12-13-7-080	0.079 8	0.0 008	0.657 9	0.0 21 8	0.0598	0.0 021	0.9		495	5	513	13	596	55	495	5
PH-1-12-13-7-081	0.037 1	0.0 002	0.316 6	0.0 04 0	0.0620	0.0 010	0.9		235	1	279	3	673	16	-	-
PH-1-12-13-7-082	0.045 9	0.0 003	0.375 3	0.0 05 7	0.0594	0.0 010	0.9		289	2	324	4	580	21	-	-
PH-1-12-13-7-083	0.036 5	0.0 002	0.301 7	0.0 04 1	0.0599	0.0 010	0.9		231	1	268	3	601	19	-	-
PH-1-12-13-7-084	0.079 4	0.0 007	0.635 7	0.0 16 9	0.0581	0.0 017	0.9		492	4	500	10	535	43	492	4
PH-1-12-13-7-085	0.081 3	0.0 008	0.656 0	0.0 21 6	0.0586	0.0 020	0.9		504	5	512	13	552	55	504	5
PH-1-12-13-7-086	0.045 6	0.0 003	0.379 3	0.0 08 1	0.0604	0.0 014	0.9		287	2	327	6	617	50	-	-
PH-1-12-13-7-087	0.033 5	0.0 002	0.280 3	0.0 03 8	0.0607	0.0 010	0.9		213	1	251	3	628	18	-	-
PH-1-12-13-7-088	0.079 2	0.0 006	0.635 7	0.0 13 7	0.0583	0.0 014	0.9		491	4	500	8	541	33	491	4
PH-1-12-13-7-089	0.029 8	0.0 002	0.245 3	0.0 04 8	0.0596	0.0 012	0.88		190	1	223	4	590	45	-	-
PH-1-12-13-7-090	0.080 2	0.0 008	0.633 2	0.0 19 9	0.0573	0.0 019	0.9		497	4	498	12	503	52	497	4
PH-1-12-13-7-091	0.083 7	0.0 010	0.713 4	0.0 43 5	0.0618	0.0 038	0.88		518	6	547	26	667	137	518	6
PH-1-12-13-7-092	0.038 2	0.0 003	0.286 4	0.0 08 0	0.0543	0.0 016	0.88		242	2	256	6	385	66	242	2
PH-1-12-13-7-093	0.021 6	0.0 001	0.176 3	0.0 01 7	0.0593	0.0 008	0.9		137.8	0.8	165	1	577	11	-	-
PH-1-12-13-7-094	0.082 4	0.0 008	0.668 7	0.0 35 9	0.0589	0.0 032	0.9		510	5	520	22	562	122	510	5
PH-1-12-13-7-095	0.025 2	0.0 001	0.212 5	0.0 01 8	0.0612	0.0 008	0.9		160.4	0.9	196	2	647	9	-	-
PH-1-12-13-7-096	0.080 4	0.0 008	0.658 5	0.0 22 6	0.0594	0.0 021	0.9		499	5	514	14	583	57	499	5
PH-1-12-13-7-097	0.085 0	0.0 008	0.818 2	0.0 22 3	0.0699	0.0 020	0.9		526	5	607	12	925	41		
PH-1-12-13-7-098	0.084 5	0.0 006	0.673 3	0.0 14 1	0.0579	0.0 013	0.9		523	4	523	9	524	33	523	4
PH-1-12-13-7-099	0.077 7	0.0 005	0.665 1	0.0 11 0	0.0621	0.0 012	0.9		482	3	518	7	679	23	482	3
PH-1-12-13-7-100	0.027 7	0.0 002	0.229 1	0.0 02 3	0.0601	0.0 008	0.9		176	1	209	2	607	12	-	-
	$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	<b>Error corr.</b>		$^{206}\text{Pb}/^{238}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{235}\text{U}$	$\pm 1$ s.e.	$^{207}\text{Pb}/^{206}\text{Pb}$	$\pm 1$ s.e.	<b>(Ma)</b>	$\pm$ <b>(Ma)</b>

PH-1-9-13-25-001	0.027 2	0.0 002	0.247 9	0.0 02 2	0.0660	0.0 008	0.9		173.3	0.9	225	2	807	10	-	-
PH-1-9-13-25-002	0.086 3	0.0 007	0.867 4	0.0 17 3	0.0729	0.0 016	0.9		534	4	634	9	1010	28	-	-
PH-1-9-13-25-003	0.034 4	0.0 002	0.242 8	0.0 06 0	0.0512	0.0 013	0.85		218	1	221	5	249	60	218	1
PH-1-9-13-25-004	0.079 7	0.0 005	0.636 8	0.0 10 8	0.0580	0.0 011	0.9		494	3	500	7	529	25	494	3
PH-1-9-13-25-005	0.079 7	0.0 005	0.637 1	0.0 11 0	0.0580	0.0 011	0.9		494	3	500	7	529	26	494	3
PH-1-9-13-25-006	0.027 6	0.0 002	0.254 9	0.0 02 7	0.0669	0.0 009	0.9		176	1	231	2	835	13	-	-
PH-1-9-13-25-007	0.079 9	0.0 008	0.636 2	0.0 24 6	0.0577	0.0 023	0.9		496	5	500	15	520	67	496	5
PH-1-9-13-25-008	0.081 7	0.0 009	0.651 8	0.0 41 0	0.0578	0.0 037	0.89		507	6	510	25	523	144	507	6
PH-1-9-13-25-009	0.079 1	0.0 005	0.641 4	0.0 08 4	0.0588	0.0 009	0.9		491	3	503	5	561	18	491	3
PH-1-9-13-25-010	0.055 0	0.0 005	0.588 7	0.0 16 2	0.0777	0.0 023	0.9		345	3	470	10	1139	40	-	-
PH-1-9-13-25-011	0.076 8	0.0 005	0.629 4	0.0 14 5	0.0595	0.0 014	0.89		477	3	496	9	584	53	477	3
PH-1-9-13-25-012	0.080 8	0.0 005	0.674 2	0.0 10 7	0.0605	0.0 011	0.9		501	3	523	6	623	23	501	3
PH-1-9-13-25-013	0.085 3	0.0 011	0.733 0	0.0 31 6	0.0623	0.0 028	0.9		528	6	558	19	686	71	528	6
PH-1-9-13-25-014	0.007 7	0.0 001	0.062 5	0.0 02 5	0.0586	0.0 024	0.89		49.7	0.4	62	2	553	93	-	-
PH-1-9-13-25-015	0.057 2	0.0 004	0.489 2	0.0 10 9	0.0621	0.0 014	0.89		358	2	404	7	676	51	-	-
PH-1-9-13-25-017	0.080 3	0.0 006	0.738 6	0.0 12 9	0.0667	0.0 013	0.9		498	3	562	8	829	25	-	-
PH-1-9-13-25-018	0.081 7	0.0 007	0.665 0	0.0 18 0	0.0591	0.0 017	0.9		506	4	518	11	569	44	506	4
PH-1-9-13-25-019	0.081 0	0.0 006	0.665 2	0.0 13 2	0.0596	0.0 013	0.9		502	4	518	8	588	30	502	4
PH-1-9-13-25-020	0.037 5	0.0 002	0.314 5	0.0 06 5	0.0608	0.0 013	0.9		238	1	278	5	631	48	-	-
PH-1-9-13-25-021	0.031 6	0.0 002	0.259 1	0.0 02 7	0.0595	0.0 008	0.9		200	1	234	2	587	13	-	-
PH-1-9-13-25-022	0.080 7	0.0 006	0.659 4	0.0 14 7	0.0593	0.0 014	0.9		500	4	514	9	578	35	500	4
PH-1-9-13-25-023	0.082 5	0.0 005	0.650 8	0.0 10 3	0.0572	0.0 011	0.9		511	3	509	6	500	23	511	3
PH-1-9-13-25-024	0.077 2	0.0 006	0.646 4	0.0 14 1	0.0607	0.0 015	0.9		480	4	506	9	630	34	480	4
PH-1-9-13-25-025	0.037 6	0.0 002	0.326 0	0.0 06 6	0.0629	0.0 013	0.9		238	1	287	5	703	46	-	-
PH-1-9-13-25-026	0.072 8	0.0 005	0.560 9	0.0 09 9	0.0559	0.0 011	0.9		453	3	452	6	447	27	453	3
PH-1-9-13-25-027	0.079 1	0.0 006	0.629 5	0.0 12 7	0.0577	0.0 013	0.9		491	3	496	8	519	31	491	3

PH-1-9-13-25-028	0.0591	0.0003	0.5035	0.0047	0.0618	0.0008	0.9		370	2	414	3	668	11	-	-
PH-1-9-13-25-029	0.0278	0.0002	0.1975	0.0042	0.0515	0.0011	0.88		177	1	183	4	262	52	177	1
PH-1-9-13-25-030	0.0799	0.0010	0.6359	0.00294	0.0577	0.0028	0.9		496	6	500	18	520	80	496	6
PH-1-9-13-25-031	0.0795	0.0005	0.6157	0.0089	0.0562	0.0010	0.9		493	3	487	6	459	21	493	3
PH-1-9-13-25-032	0.0246	0.0001	0.2169	0.0019	0.0639	0.0008	0.9		156.7	0.9	199	2	740	9	-	-
PH-1-9-13-25-033	0.0783	0.0006	0.6144	0.0116	0.0570	0.0012	0.9		486	3	486	7	490	29	486	3
PH-1-9-13-25-034	0.0797	0.0008	0.6340	0.0211	0.0577	0.0020	0.9		495	5	499	13	518	56	495	5
PH-1-9-13-25-035	0.0749	0.0011	0.6234	0.0327	0.0604	0.0033	0.9		466	7	492	20	617	88	466	7
PH-1-9-13-25-036	0.0801	0.0008	0.6395	0.0230	0.0580	0.0022	0.9		496	5	502	14	528	61	496	5
PH-1-9-13-25-037	0.0784	0.0006	0.6327	0.0124	0.0585	0.0013	0.9		487	3	498	8	550	30	487	3
PH-1-9-13-25-038	0.0804	0.0007	0.6510	0.0197	0.0587	0.0019	0.9		499	4	509	12	557	50	499	4
PH-1-9-13-25-039	0.0753	0.0005	0.5979	0.0077	0.0576	0.0009	0.9		468	3	476	5	514	17	468	3
PH-1-9-13-25-040	0.0844	0.0015	0.7630	0.0680	0.0656	0.0060	0.89		522	9	576	39	793	198	-	-
PH-1-9-13-25-041	0.0427	0.0002	0.3497	0.0024	0.0595	0.0007	0.9		269	1	304	2	584	7	-	-
PH-1-9-13-25-042	0.0891	0.0011	0.7637	0.0329	0.0622	0.0028	0.9		550	7	576	19	681	71	550	7
PH-1-9-13-25-043	0.0919	0.0009	0.8434	0.0226	0.0666	0.0019	0.9		567	5	621	12	825	40	567	5
PH-1-9-13-25-044	0.0817	0.0007	0.6452	0.0159	0.0573	0.0015	0.9		506	4	506	10	504	40	506	4
PH-1-9-13-25-045	0.0800	0.0017	0.6340	0.0831	0.0575	0.0076	0.89		496	10	499	52	510	303	496	10
PH-1-9-13-25-046	0.0779	0.0005	0.6213	0.0086	0.0579	0.0010	0.9		483	3	491	5	526	19	483	3
PH-1-9-13-25-047	0.0806	0.0005	0.6421	0.0096	0.0578	0.0010	0.9		499	3	504	6	524	21	499	3
PH-1-9-13-25-048	0.0796	0.0006	0.6287	0.0111	0.0573	0.0011	0.9		494	3	495	7	503	27	494	3
PH-1-9-13-25-049	0.0816	0.0008	0.6976	0.0208	0.0620	0.0020	0.9		506	5	537	12	675	47	506	5
PH-1-9-13-25-050	0.0784	0.0005	0.6203	0.0077	0.0574	0.0009	0.9		487	3	490	5	506	17	487	3
PH-1-9-13-25-051	0.0812	0.0005	0.6398	0.0085	0.0572	0.0009	0.9		503	3	502	5	499	18	503	3
PH-1-9-13-25-052	0.0807	0.0005	0.6431	0.0090	0.0578	0.0010	0.9		500	3	504	6	523	19	500	3
PH-1-9-13-25-053	0.0941	0.0010	0.8446	0.0419	0.0651	0.0033	0.9		580	6	622	23	778	110	580	6

PH-1-9-13-25-054	0.0817	0.0006	0.6657	0.0127	0.0591	0.0013	0.9		506	4	518	8	571	29		506	4
PH-1-9-13-25-055	0.0763	0.0006	0.6835	0.0156	0.0650	0.0016	0.9		474	4	529	9	776	34		-	-
PH-1-9-13-25-056	0.0266	0.0002	0.2422	0.0068	0.0659	0.0019	0.9		169	1	220	6	805	63		-	-
PH-1-9-13-25-057	0.0208	0.0001	0.1814	0.0015	0.0632	0.0008	0.9		132.9	0.8	169	1	715	8		-	-
PH-1-9-13-25-058	0.0403	0.0003	0.2881	0.0076	0.0519	0.0015	0.9		255	2	257	6	279	46		255	2
PH-1-9-13-25-059	0.0803	0.0007	0.6524	0.0177	0.0590	0.0017	0.9		498	4	510	11	566	44		498	4
PH-1-9-13-25-060	0.0507	0.0003	0.3949	0.0103	0.0565	0.0015	0.88		319	2	338	7	473	61		319	2
PH-1-9-13-25-061	0.0789	0.0005	0.6234	0.0109	0.0573	0.0011	0.9		489	3	492	7	505	26		489	3
PH-1-9-13-25-062	0.0804	0.0005	0.6386	0.0093	0.0577	0.0010	0.9		498	3	501	6	517	20		498	3
PH-1-9-13-25-063	0.0836	0.0006	0.6796	0.0128	0.0590	0.0012	0.9		518	4	527	8	567	28		518	4
PH-1-9-13-25-064	0.0837	0.0005	0.6908	0.0093	0.0599	0.0010	0.9		518	3	533	6	599	18		518	3
PH-1-9-13-25-065	0.0840	0.0009	0.8266	0.0283	0.0714	0.0026	0.9		520	5	612	16	968	52		-	-
PH-1-9-13-25-066	0.0440	0.0003	0.3606	0.0045	0.0595	0.0009	0.9		277	2	313	3	587	16		-	-
PH-1-9-13-25-067	0.0532	0.0003	0.4761	0.0046	0.0650	0.0009	0.9		334	2	395	3	774	11		-	-
PH-1-9-13-25-068	0.0858	0.0007	0.7045	0.0171	0.0596	0.0016	0.9		530	4	541	10	589	38		530	4
PH-1-9-13-25-069	0.0236	0.0001	0.2152	0.0017	0.0662	0.0008	0.9		150.3	0.8	198	1	812	8		-	-
PH-1-9-13-25-070	0.0645	0.0011	0.6522	0.0363	0.0734	0.0042	0.9		403	7	510	22	1024	86		-	-
PH-1-9-13-25-071	0.0795	0.0005	0.6228	0.0072	0.0568	0.0008	0.9		493	3	492	5	485	15		493	3
PH-1-9-13-25-072	0.0818	0.0006	0.6456	0.0110	0.0573	0.0011	0.9		507	3	506	7	503	25		507	3
PH-1-9-13-25-073	0.0879	0.0013	0.7612	0.0404	0.0629	0.0034	0.9		543	8	575	23	704	87		543	8
PH-1-9-13-25-074	0.0426	0.0002	0.4050	0.0033	0.0691	0.0008	0.9		269	1	345	2	901	8		-	-
PH-1-9-13-25-075	0.0825	0.0006	0.6535	0.0125	0.0575	0.0012	0.9		511	4	511	8	511	29		511	4
PH-1-9-13-25-076	0.0511	0.0003	0.4404	0.0055	0.0625	0.0010	0.9		321	2	371	4	692	16		-	-
PH-1-9-13-25-077	0.0811	0.0006	0.6398	0.0148	0.0572	0.0014	0.9		503	4	502	9	501	37		503	4
PH-1-9-13-25-078	0.0276	0.0002	0.2338	0.0029	0.0615	0.0009	0.9		176	1	213	2	655	16		-	-
PH-1-9-13-25-079	0.0806	0.0006	0.6484	0.0147	0.0584	0.0014	0.9		500	4	507	9	544	36		500	4

PH-1-9-13-25-080	0.083 4	0.0 008	0.665 9	0.0 20 6	0.0580	0.0 019	0.9		516	5	518	13	528	51	516	5
PH-1-9-13-25-081	0.083 4	0.0 006	0.676 0	0.0 12 0	0.0588	0.0 012	0.9		516	3	524	7	561	26	516	3
PH-1-9-13-25-082	0.042 0	0.0 002	0.376 0	0.0 03 3	0.0649	0.0 008	0.9		265	1	324	2	771	10	-	-
PH-1-9-13-25-083	0.076 5	0.0 005	0.604 0	0.0 06 3	0.0573	0.0 008	0.9		475	3	480	4	504	13	475	3
PH-1-9-13-25-084	0.080 9	0.0 005	0.700 8	0.0 09 1	0.0629	0.0 010	0.9		501	3	539	5	705	17	501	3
PH-1-9-13-25-085	0.014 5	0.0 001	0.124 4	0.0 01 6	0.0622	0.0 010	0.9		92.9	0.6	119	1	680	17	-	-
PH-1-9-13-25-086	0.085 2	0.0 007	0.708 2	0.0 14 9	0.0604	0.0 014	0.9		527	4	544	9	616	32	527	4
PH-1-9-13-25-087	0.084 1	0.0 007	0.883 6	0.0 19 3	0.0763	0.0 018	0.9		520	4	643	10	1102	30	-	-
PH-1-9-13-25-088	0.081 3	0.0 005	0.661 2	0.0 10 6	0.0590	0.0 011	0.9		504	3	515	6	568	23	504	3
PH-1-9-13-25-089	0.018 3	0.0 001	0.209 3	0.0 02 0	0.0828	0.0 011	0.9		117.2	0.7	193	2	1264	9	-	-
PH-1-9-13-25-090	0.079 4	0.0 006	0.630 2	0.0 14 2	0.0576	0.0 014	0.9		493	4	496	9	514	36	493	4
PH-1-9-13-25-091	0.055 9	0.0 003	0.473 1	0.0 03 8	0.0614	0.0 007	0.9		351	2	393	3	653	8	-	-
PH-1-9-13-25-092	0.065 2	0.0 004	0.535 4	0.0 05 5	0.0596	0.0 008	0.9		407	2	435	4	589	13	407	2
PH-1-9-13-25-093	0.020 6	0.0 001	0.182 8	0.0 01 4	0.0645	0.0 008	0.9		131.3	0.7	170	1	757	8	-	-
PH-1-9-13-25-094	0.079 7	0.0 005	0.636 3	0.0 08 4	0.0579	0.0 009	0.9		495	3	500	5	526	18	495	3
PH-1-9-13-25-095	0.080 9	0.0 007	0.641 4	0.0 16 3	0.0575	0.0 016	0.9		501	4	503	10	512	41	501	4
PH-1-9-13-25-096	0.084 0	0.0 006	0.691 3	0.0 12 8	0.0598	0.0 012	0.9		520	4	534	8	595	28	520	4
PH-1-9-13-25-097	0.088 3	0.0 013	0.717 4	0.0 35 7	0.0590	0.0 030	0.9		545	7	549	21	566	84	545	7
PH-1-9-13-25-098	0.052 0	0.0 004	0.461 3	0.0 11 6	0.0643	0.0 018	0.9		327	3	385	8	752	39	-	-
PH-1-9-13-25-099	0.074 6	0.0 005	0.594 2	0.0 08 0	0.0578	0.0 009	0.9		464	3	474	5	523	18	464	3
PH-1-9-13-25-100	0.083 9	0.0 006	0.669 2	0.0 12 8	0.0579	0.0 012	0.9		520	4	520	8	524	29	520	4
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<b>Error corr.</b>		<sup>206</sup> Pb <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	<b>(Ma)</b>	± <b>(Ma)</b>
PH-1-3-13-11B-001	0.176 4	0.0 010	1.808 3	0.0 12 7	0.0744	0.0 008	0.9		1047	5	1048	5	1051	6	1051	6
PH-1-3-13-11B-002	0.204 5	0.0 012	2.264 5	0.0 19 6	0.0804	0.0 010	0.9		1199	6	1201	6	1206	8	1206	8
PH-1-3-13-11B-003	0.207 5	0.0 013	2.310 9	0.0 21 5	0.0808	0.0 010	0.9		1216	7	1216	7	1216	9	1216	9

PH-1-3-13-11B-004	0.1923	0.0012	2.0550	0.0203	0.0775	0.0010	0.9		1134	6	1134	7	1135	10	1135	10
PH-1-3-13-11B-005	0.2228	0.0013	2.5822	0.0204	0.0841	0.0010	0.9		1297	7	1296	6	1295	7	1295	7
PH-1-3-13-11B-006	0.2065	0.0012	2.3749	0.0181	0.0835	0.0010	0.9		1210	6	1235	5	1280	7	1280	7
PH-1-3-13-11B-007	0.2220	0.0013	2.5813	0.0181	0.0844	0.0009	0.9		1292	7	1295	5	1301	6	1301	6
PH-1-3-13-11B-008	0.2186	0.0012	2.5370	0.0171	0.0842	0.0009	0.9		1274	6	1283	5	1297	6	1297	6
PH-1-3-13-11B-009	0.2029	0.0012	2.2392	0.0170	0.0801	0.0009	0.9		1191	6	1193	5	1198	7	1198	7
PH-1-3-13-11B-010	0.2216	0.0013	2.5531	0.0286	0.0836	0.0011	0.9		1290	7	1287	8	1283	25	1283	25
PH-1-3-13-11B-011	0.1385	0.0008	1.4205	0.0098	0.0744	0.0007	0.88		836	4	898	4	1053	18	836	4
PH-1-3-13-11B-012	0.1592	0.0009	1.6204	0.0203	0.0738	0.0010	0.88		952	5	978	8	1037	29	952	5
PH-1-3-13-11B-013	0.1634	0.0009	1.6132	0.0135	0.0716	0.0007	0.88		976	5	975	5	975	21	976	5
PH-1-3-13-11B-014	0.1119	0.0006	1.0597	0.0077	0.0687	0.0006	0.88		684	4	734	4	890	19	684	4
PH-1-3-13-11B-015	0.1230	0.0007	1.1859	0.0075	0.0699	0.0006	0.89		748	4	794	3	926	17	748	4
PH-1-3-13-11B-016	0.0861	0.0005	0.8257	0.0064	0.0696	0.0007	0.88		532	3	611	4	916	20	-	-
PH-1-3-13-11B-017	0.2252	0.0013	2.6305	0.0219	0.0848	0.0010	0.9		1309	7	1309	6	1310	8	1310	8
PH-1-3-13-11B-018	0.1555	0.0009	1.5091	0.0125	0.0704	0.0007	0.88		932	5	934	5	940	21	932	5
PH-1-3-13-11B-019	0.0813	0.0005	0.7833	0.0058	0.0699	0.0006	0.88		504	3	587	3	925	19	-	-
PH-1-3-13-11B-020	0.1882	0.0011	1.9938	0.0167	0.0769	0.0009	0.9		1111	6	1113	6	1118	8	1118	8
PH-1-3-13-11B-021	0.1572	0.0009	1.5344	0.0103	0.0708	0.0008	0.9		941	5	944	4	953	6	941	5
PH-1-3-13-11B-022	0.1552	0.0009	1.4994	0.0103	0.0701	0.0008	0.9		930	5	930	4	931	6	930	5
PH-1-3-13-11B-023	0.2104	0.0012	2.3645	0.0173	0.0815	0.0009	0.9		1231	6	1232	5	1234	7	1234	7
PH-1-3-13-11B-024	0.1556	0.0009	1.5006	0.0097	0.0700	0.0008	0.9		932	5	931	4	927	6	932	5
PH-1-3-13-11B-025	0.1229	0.0007	1.1743	0.0095	0.0693	0.0007	0.88		747	4	789	4	908	21	747	4
PH-1-3-13-11B-026	0.2083	0.0013	2.3246	0.0209	0.0810	0.0010	0.9		1220	7	1220	6	1220	9	1220	9
PH-1-3-13-11B-027	0.2140	0.0014	2.4177	0.0256	0.0820	0.0011	0.9		1250	7	1248	8	1245	11	1245	11
PH-1-3-13-11B-028	0.2198	0.0013	2.5272	0.0208	0.0834	0.0010	0.9		1281	7	1280	6	1279	8	1279	8
PH-1-3-13-11B-029	0.2229	0.0014	2.5904	0.0251	0.0843	0.0011	0.9		1297	7	1298	7	1300	10	1300	10

PH-1-3-13-11B-030	0.215 5	0.0 013	2.454 1	0.0 19 5	0.0826	0.0 010	0.9		1258	7	1259	6	1260	7	1260	7
PH-1-3-13-11B-031	0.218 7	0.0 013	2.503 0	0.0 19 6	0.0830	0.0 010	0.9		1275	7	1273	6	1270	7	1270	7
PH-1-3-13-11B-032	0.186 7	0.0 011	2.013 5	0.0 17 3	0.0782	0.0 008	0.88		1103	6	1120	6	1153	21	1153	21
PH-1-3-13-11B-033	0.166 4	0.0 010	1.668 9	0.0 13 7	0.0728	0.0 009	0.9		992	5	997	5	1008	8	992	5
PH-1-3-13-11B-034	0.086 7	0.0 005	0.816 4	0.0 05 6	0.0683	0.0 006	0.88		536	3	606	3	877	18	-	-
PH-1-3-13-11B-035	0.186 0	0.0 013	1.952 1	0.0 29 3	0.0761	0.0 013	0.9		1100	7	1099	10	1099	19	1099	19
PH-1-3-13-11B-036	0.134 1	0.0 007	1.284 6	0.0 08 2	0.0695	0.0 006	0.88		811	4	839	4	913	18	811	4
PH-1-3-13-11B-037	0.208 2	0.0 012	2.320 9	0.0 15 9	0.0809	0.0 009	0.9		1219	6	1219	5	1218	6	1218	6
PH-1-3-13-11B-038	0.065 5	0.0 004	0.618 6	0.0 03 9	0.0685	0.0 006	0.89		409	2	489	2	884	18	-	-
PH-1-3-13-11B-039	0.146 9	0.0 008	1.393 3	0.0 10 4	0.0688	0.0 008	0.9		884	5	886	4	893	7	884	5
PH-1-3-13-11B-040	0.214 5	0.0 012	2.432 2	0.0 19 4	0.0823	0.0 010	0.9		1253	7	1252	6	1252	8	1252	8
PH-1-3-13-11B-041	0.192 1	0.0 011	2.050 5	0.0 14 6	0.0774	0.0 009	0.9		1133	6	1132	5	1132	7	1132	7
PH-1-3-13-11B-042	0.156 6	0.0 009	1.503 0	0.0 09 8	0.0696	0.0 008	0.9		938	5	932	4	917	6	938	5
PH-1-3-13-11B-043	0.218 3	0.0 012	2.503 5	0.0 18 2	0.0832	0.0 009	0.9		1273	7	1273	5	1274	7	1274	7
PH-1-3-13-11B-044	0.160 6	0.0 009	1.563 1	0.0 10 6	0.0706	0.0 008	0.9		960	5	956	4	946	6	960	5
PH-1-3-13-11B-045	0.151 3	0.0 008	1.462 9	0.0 11 3	0.0701	0.0 007	0.88		908	5	915	5	932	20	908	5
PH-1-3-13-11B-046	0.176 8	0.0 010	1.826 3	0.0 13 6	0.0749	0.0 009	0.9		1050	5	1055	5	1067	7	1067	7
PH-1-3-13-11B-047	0.216 0	0.0 012	2.464 9	0.0 15 5	0.0828	0.0 009	0.9		1261	6	1262	5	1264	5	1264	5
PH-1-3-13-11B-048	0.151 7	0.0 009	1.488 1	0.0 11 4	0.0712	0.0 008	0.9		911	5	926	5	962	7	911	5
PH-1-3-13-11B-049	0.178 3	0.0 010	1.854 9	0.0 15 5	0.0755	0.0 009	0.9		1058	6	1065	6	1081	8	1081	8
PH-1-3-13-11B-050	0.201 3	0.0 012	2.205 0	0.0 17 6	0.0795	0.0 009	0.9		1182	6	1183	6	1184	8	1184	8
PH-1-3-13-11B-051	0.153 7	0.0 008	1.470 3	0.0 09 3	0.0694	0.0 007	0.9		922	5	918	4	910	6	922	5
PH-1-3-13-11B-052	0.109 1	0.0 006	1.035 5	0.0 06 5	0.0688	0.0 006	0.89		668	3	722	3	894	17	668	3
PH-1-3-13-11B-053	0.084 9	0.0 005	0.758 7	0.0 07 1	0.0648	0.0 007	0.86		525	3	573	4	769	23	525	3
PH-1-3-13-11B-054	0.150 7	0.0 008	1.437 8	0.0 10 2	0.0692	0.0 008	0.9		905	5	905	4	905	7	905	5
PH-1-3-13-11B-055	0.125 0	0.0 007	1.203 8	0.0 08 5	0.0699	0.0 006	0.88		759	4	802	4	924	19	759	4

PH-1-3-13-11B-056	0.193 6	0.0 011	2.095 0	0.0 18 2	0.0785	0.0 010	0.9		1141	6	1147	6	1160	9	1160	9
PH-1-3-13-11B-057	0.206 0	0.0 011	2.283 1	0.0 14 4	0.0804	0.0 009	0.9		1207	6	1207	4	1207	6	1207	6
PH-1-3-13-11B-058	0.215 8	0.0 013	2.484 4	0.0 19 7	0.0835	0.0 010	0.9		1260	7	1267	6	1281	7	1281	7
PH-1-3-13-11B-059	0.213 7	0.0 012	2.417 6	0.0 19 9	0.0821	0.0 010	0.9		1248	7	1248	6	1247	8	1247	8
PH-1-3-13-11B-060	0.091 9	0.0 005	0.855 0	0.0 06 2	0.0675	0.0 006	0.88		567	3	627	3	853	19	-	-
PH-1-3-13-11B-061	0.153 5	0.0 008	1.473 8	0.0 09 2	0.0697	0.0 007	0.9		920	5	920	4	919	6	920	5
PH-1-3-13-11B-062	0.191 8	0.0 011	2.053 2	0.0 15 0	0.0777	0.0 009	0.9		1131	6	1133	5	1138	7	1138	7
PH-1-3-13-11B-063	0.149 5	0.0 008	1.431 2	0.0 09 4	0.0695	0.0 008	0.9		898	5	902	4	912	6	898	5
PH-1-3-13-11B-064	0.157 2	0.0 009	1.532 2	0.0 10 2	0.0707	0.0 008	0.9		941	5	943	4	948	6	941	5
PH-1-3-13-11B-065	0.126 1	0.0 007	1.206 2	0.0 09 5	0.0694	0.0 008	0.9		765	4	803	4	911	8	765	4
PH-1-3-13-11B-066	0.162 0	0.0 009	1.617 2	0.0 12 1	0.0724	0.0 008	0.9		968	5	977	5	998	7	968	5
PH-1-3-13-11B-067	0.216 3	0.0 012	2.470 6	0.0 18 8	0.0829	0.0 010	0.9		1262	7	1263	6	1266	7	1266	7
PH-1-3-13-11B-068	0.059 1	0.0 003	0.553 5	0.0 03 7	0.0680	0.0 006	0.88		370	2	447	2	868	18		
PH-1-3-13-11B-069	0.121 8	0.0 007	1.163 9	0.0 11 1	0.0693	0.0 008	0.88		741	4	784	5	909	24	741	4
PH-1-3-13-11B-070	0.206 5	0.0 012	2.368 2	0.0 16 3	0.0832	0.0 009	0.9		1210	6	1233	5	1274	6	1274	6
PH-1-3-13-11B-071	0.166 0	0.0 009	1.649 5	0.0 11 7	0.0721	0.0 008	0.9		990	5	989	4	989	7	990	5
PH-1-3-13-11B-072	0.217 3	0.0 013	2.490 7	0.0 22 6	0.0832	0.0 010	0.9		1267	7	1269	7	1273	9	1273	9
PH-1-3-13-11B-073	0.175 1	0.0 010	1.786 2	0.0 13 2	0.0740	0.0 008	0.9		1040	5	1040	5	1041	7	1041	7
PH-1-3-13-11B-074	0.116 2	0.0 006	1.117 0	0.0 07 6	0.0697	0.0 006	0.88		708	4	762	4	921	18	708	4
PH-1-3-13-11B-075	0.083 1	0.0 005	0.781 6	0.0 05 2	0.0682	0.0 006	0.88		515	3	586	3	875	18	-	-
PH-1-3-13-11B-076	0.218 9	0.0 012	2.522 7	0.0 17 0	0.0836	0.0 009	0.9		1276	6	1279	5	1283	6	1283	6
PH-1-3-13-11B-077	0.145 3	0.0 008	1.371 1	0.0 08 9	0.0685	0.0 007	0.9		874	4	877	4	883	6	874	4
PH-1-3-13-11B-078	0.147 9	0.0 009	1.420 7	0.0 16 5	0.0697	0.0 009	0.87		889	5	898	7	919	28	889	5
PH-1-3-13-11B-079	0.214 1	0.0 012	2.442 2	0.0 18 3	0.0828	0.0 010	0.9		1250	6	1255	5	1264	7	1264	7
PH-1-3-13-11B-080	0.228 2	0.0 013	2.688 8	0.0 18 6	0.0855	0.0 009	0.9		1325	7	1325	5	1326	6	1326	6
PH-1-3-13-11B-081	0.223 4	0.0 013	2.604 7	0.0 20 9	0.0846	0.0 010	0.9		1300	7	1302	6	1306	8	1306	8



PH-1-9-13-23-006	0.288 9	0.0 021	4.143 1	0.0 48 1	0.1040	0.0 015	0.9		1636	10	1663	10	1697	11	1697	11
PH-1-9-13-23-007	0.272 7	0.0 017	3.684 8	0.0 38 4	0.0980	0.0 013	0.9		1555	9	1568	8	1587	10	1587	10
PH-1-9-13-23-008	0.310 7	0.0 020	4.566 4	0.0 37 7	0.1066	0.0 012	0.9		1744	10	1743	7	1743	7	1743	7
PH-1-9-13-23-009	0.235 1	0.0 015	2.818 9	0.0 26 6	0.0870	0.0 011	0.9		1361	8	1361	7	1360	9	1360	9
PH-1-9-13-23-010	0.293 2	0.0 019	4.149 3	0.0 35 9	0.1027	0.0 012	0.9		1657	9	1664	7	1673	8	1673	8
PH-1-9-13-23-011	0.259 6	0.0 017	3.269 9	0.0 29 6	0.0914	0.0 011	0.9		1488	9	1474	7	1455	8	1455	8
PH-1-9-13-23-012	0.271 4	0.0 017	3.594 3	0.0 30 6	0.0961	0.0 011	0.9		1548	9	1548	7	1550	8	1550	8
PH-1-9-13-23-013	0.254 2	0.0 016	3.224 9	0.0 33 4	0.0920	0.0 012	0.9		1460	8	1463	8	1468	10	1468	10
PH-1-9-13-23-014	0.273 9	0.0 017	3.651 7	0.0 29 5	0.0967	0.0 011	0.9		1561	9	1561	6	1562	7	1562	7
PH-1-9-13-23-015	0.300 9	0.0 020	4.304 5	0.0 40 4	0.1038	0.0 013	0.9		1696	10	1694	8	1693	8	1693	8
PH-1-9-13-23-016	0.283 0	0.0 022	3.955 1	0.0 72 3	0.1014	0.0 020	0.89		1607	11	1625	15	1649	38	1649	38
PH-1-9-13-23-017	0.301 3	0.0 020	4.330 0	0.0 41 0	0.1043	0.0 013	0.9		1698	10	1699	8	1701	9	1701	9
PH-1-9-13-23-018	0.298 8	0.0 022	4.272 4	0.0 57 8	0.1038	0.0 016	0.9		1685	11	1688	11	1692	14	1692	14
PH-1-9-13-23-019	0.311 9	0.0 020	4.575 3	0.0 37 3	0.1064	0.0 012	0.9		1750	10	1745	7	1739	7	1739	7
PH-1-9-13-23-020	0.318 5	0.0 024	4.796 9	0.0 65 3	0.1093	0.0 017	0.9		1783	12	1784	11	1787	14	1787	14
PH-1-9-13-23-021	0.223 9	0.0 014	2.612 7	0.0 21 2	0.0847	0.0 010	0.9		1302	7	1304	6	1308	7	1308	7
PH-1-9-13-23-022	0.268 8	0.0 018	3.553 1	0.0 35 0	0.0959	0.0 012	0.9		1535	9	1539	8	1546	9	1546	9
PH-1-9-13-23-023	0.305 0	0.0 020	4.426 8	0.0 39 1	0.1053	0.0 013	0.9		1716	10	1717	7	1720	8	1720	8
PH-1-9-13-23-024	0.265 5	0.0 017	3.439 8	0.0 28 5	0.0940	0.0 011	0.9		1518	9	1514	7	1508	7	1508	7
PH-1-9-13-23-025	0.290 7	0.0 020	4.392 1	0.0 46 2	0.1096	0.0 015	0.9		1645	10	1711	9	1793	10	1793	10
PH-1-9-13-23-026	0.224 4	0.0 014	2.623 1	0.0 26 6	0.0848	0.0 011	0.9		1305	8	1307	7	1311	10	1311	10
PH-1-9-13-23-027	0.288 7	0.0 022	4.035 8	0.0 70 0	0.1014	0.0 020	0.9		1635	11	1641	14	1650	21	1650	21
PH-1-9-13-23-028	0.223 7	0.0 014	2.602 5	0.0 20 8	0.0844	0.0 010	0.9		1302	7	1301	6	1302	7	1302	7
PH-1-9-13-23-029	0.300 8	0.0 020	4.291 5	0.0 38 9	0.1035	0.0 013	0.9		1695	10	1692	7	1688	8	1688	8
PH-1-9-13-23-030	0.176 5	0.0 012	1.811 6	0.0 26 1	0.0745	0.0 012	0.9		1048	6	1050	9	1054	19	<b>1054</b>	<b>19</b>
PH-1-9-13-23-031	0.217 4	0.0 015	2.480 1	0.0 33 1	0.0828	0.0 013	0.9		1268	8	1266	10	1264	15	1264	15

PH-1-9-13-23-032	0.303 5	0.0 024	4.381 7	0.0 60 1	0.1047	0.0 017	0.9		1709	12	1709	11	1710	14	1710	14
PH-1-9-13-23-033	0.311 2	0.0 026	4.632 7	0.0 70 2	0.1080	0.0 019	0.9		1747	13	1755	13	1766	16	1766	16
PH-1-9-13-23-034	0.242 0	0.0 017	2.946 5	0.0 35 8	0.0884	0.0 013	0.9		1397	9	1394	9	1390	13	1390	13
PH-1-9-13-23-035	0.231 3	0.0 014	2.772 2	0.0 19 6	0.0869	0.0 008	0.89		1341	7	1348	5	1359	18	1359	18
PH-1-9-13-23-036	0.307 4	0.0 023	4.511 0	0.0 52 2	0.1065	0.0 015	0.9		1728	11	1733	10	1740	11	1740	11
PH-1-9-13-23-037	0.273 5	0.0 017	3.675 8	0.0 28 2	0.0975	0.0 011	0.9		1558	9	1566	6	1577	7	1577	7
PH-1-9-13-23-038	0.274 0	0.0 018	3.903 2	0.0 43 2	0.1033	0.0 013	0.9		1561	9	1614	9	1684	24	1684	24
PH-1-9-13-23-039	0.250 3	0.0 018	3.099 0	0.0 44 3	0.0898	0.0 015	0.9		1440	9	1432	11	1422	17	1422	17
PH-1-9-13-23-040	0.302 9	0.0 019	4.350 8	0.0 32 2	0.1042	0.0 012	0.9		1706	9	1703	6	1700	6	1700	6
PH-1-9-13-23-041	0.285 1	0.0 021	3.922 4	0.0 65 1	0.0998	0.0 018	0.9		1617	11	1618	13	1620	35	1620	35
PH-1-9-13-23-042	0.304 4	0.0 020	4.370 5	0.0 40 6	0.1042	0.0 013	0.9		1713	10	1707	8	1700	8	1700	8
PH-1-9-13-23-043	0.308 7	0.0 020	4.556 6	0.0 39 7	0.1071	0.0 013	0.9		1734	10	1741	7	1750	7	1750	7
PH-1-9-13-23-044	0.275 6	0.0 023	3.674 2	0.0 73 7	0.0967	0.0 021	0.9		1569	12	1566	16	1562	25	1562	25
PH-1-9-13-23-045	0.309 0	0.0 021	4.800 5	0.0 47 1	0.1127	0.0 014	0.9		1736	10	1785	8	1843	9	1843	9
PH-1-9-13-23-046	0.313 8	0.0 021	4.662 6	0.0 40 3	0.1078	0.0 013	0.9		1759	10	1761	7	1763	7	1763	7
PH-1-9-13-23-047	0.308 4	0.0 021	4.568 0	0.0 44 3	0.1075	0.0 014	0.9		1733	10	1743	8	1757	9	1757	9
PH-1-9-13-23-048	0.264 9	0.0 018	3.448 6	0.0 33 4	0.0945	0.0 012	0.9		1515	9	1516	8	1517	9	1517	9
PH-1-9-13-23-049	0.313 8	0.0 021	4.575 7	0.0 40 7	0.1058	0.0 013	0.9		1759	10	1745	7	1728	8	1728	8
PH-1-9-13-23-050	0.262 8	0.0 017	3.394 6	0.0 36 5	0.0937	0.0 013	0.9		1504	9	1503	8	1503	11	1503	11
PH-1-9-13-23-051	0.252 0	0.0 023	3.160 8	0.0 76 3	0.0910	0.0 023	0.9		1449	12	1448	19	1447	32	1447	32
PH-1-9-13-23-052	0.235 7	0.0 015	2.845 0	0.0 25 5	0.0876	0.0 011	0.9		1364	8	1367	7	1373	8	1373	8
PH-1-9-13-23-053	0.327 0	0.0 029	5.047 1	0.0 76 6	0.1120	0.0 019	0.9		1824	14	1827	13	1831	15	1831	15
PH-1-9-13-23-054	0.273 2	0.0 019	3.622 0	0.0 42 3	0.0962	0.0 014	0.9		1557	10	1554	9	1551	12	1551	12
PH-1-9-13-23-055	0.304 9	0.0 019	4.421 8	0.0 33 0	0.1052	0.0 012	0.9		1716	9	1716	6	1718	6	1718	6
PH-1-9-13-23-056	0.232 7	0.0 014	2.774 9	0.0 20 0	0.0865	0.0 009	0.9		1349	8	1349	5	1350	6	1350	6
PH-1-9-13-23-057	0.286 2	0.0 021	3.934 6	0.0 47 7	0.0998	0.0 015	0.9		1622	10	1621	10	1619	12	1619	12

PH-1-9-13-23-058	0.288 3	0.0 019	3.985 0	0.0 34 5	0.1003	0.0 012	0.9		1633	9	1631	7	1629	8	1629	8
PH-1-9-13-23-059	0.262 6	0.0 019	3.485 4	0.0 38 9	0.0963	0.0 013	0.9		1503	9	1524	9	1554	11	1554	11
PH-1-9-13-23-060	0.262 2	0.0 018	3.369 3	0.0 35 1	0.0932	0.0 012	0.9		1501	9	1497	8	1492	10	1492	10
PH-1-9-13-23-061	0.305 0	0.0 021	4.403 6	0.0 40 9	0.1047	0.0 013	0.9		1716	10	1713	8	1710	8	1710	8
PH-1-9-13-23-062	0.303 5	0.0 021	4.424 9	0.0 42 2	0.1058	0.0 013	0.9		1709	10	1717	8	1728	9	1728	9
PH-1-9-13-23-063	0.296 6	0.0 020	4.202 3	0.0 39 2	0.1028	0.0 013	0.9		1675	10	1674	8	1675	8	1675	8
PH-1-9-13-23-064	0.304 3	0.0 019	4.438 3	0.0 33 3	0.1058	0.0 012	0.9		1712	9	1720	6	1729	6	1729	6
PH-1-9-13-23-065	0.239 3	0.0 015	2.911 4	0.0 22 0	0.0883	0.0 010	0.9		1383	8	1385	6	1389	7	1389	7
PH-1-9-13-23-066	0.303 8	0.0 022	4.621 5	0.0 50 0	0.1104	0.0 015	0.9		1710	11	1753	9	1805	10	1805	10
PH-1-9-13-23-067	0.222 9	0.0 014	2.630 2	0.0 22 2	0.0856	0.0 009	0.88		1297	7	1309	6	1328	21	1328	21
PH-1-9-13-23-068	0.286 6	0.0 018	3.969 2	0.0 32 8	0.1005	0.0 012	0.9		1625	9	1628	7	1633	7	1633	7
PH-1-9-13-23-069	0.308 9	0.0 020	4.561 0	0.0 38 8	0.1071	0.0 013	0.9		1735	10	1742	7	1751	7	1751	7
PH-1-9-13-23-070	0.303 0	0.0 020	4.468 7	0.0 36 2	0.1070	0.0 012	0.9		1706	10	1725	7	1749	7	1749	7
PH-1-9-13-23-071	0.269 5	0.0 023	3.758 2	0.0 84 7	0.1011	0.0 024	0.9		1538	12	1584	18	1645	46	1645	46
PH-1-9-13-23-072	0.274 2	0.0 021	3.646 6	0.0 66 7	0.0965	0.0 019	0.9		1562	11	1560	15	1557	23	1557	23
PH-1-9-13-23-073	0.303 5	0.0 022	4.377 1	0.0 48 8	0.1046	0.0 014	0.9		1709	11	1708	9	1708	11	1708	11
PH-1-9-13-23-074	0.292 4	0.0 020	4.100 9	0.0 43 1	0.1018	0.0 014	0.9		1653	10	1654	9	1656	10	1656	10
PH-1-9-13-23-075	0.274 9	0.0 020	3.680 0	0.0 43 0	0.0971	0.0 014	0.9		1566	10	1567	9	1570	12	1570	12
PH-1-9-13-23-076	0.266 8	0.0 018	3.491 4	0.0 34 2	0.0949	0.0 012	0.9		1525	9	1525	8	1527	9	1527	9
PH-1-9-13-23-077	0.225 4	0.0 014	2.646 2	0.0 20 2	0.0852	0.0 010	0.9		1310	7	1314	6	1319	7	1319	7
PH-1-9-13-23-078	0.196 5	0.0 013	2.132 7	0.0 18 8	0.0787	0.0 009	0.9		1156	7	1159	6	1166	8	<b>1166</b>	<b>8</b>
PH-1-9-13-23-079	0.308 7	0.0 022	4.586 0	0.0 48 4	0.1078	0.0 014	0.9		1734	11	1747	9	1762	10	1762	10
PH-1-9-13-23-080	0.229 8	0.0 015	2.705 4	0.0 25 7	0.0854	0.0 011	0.9		1333	8	1330	7	1325	9	1325	9
PH-1-9-13-23-081	0.285 8	0.0 020	3.925 1	0.0 42 0	0.0996	0.0 013	0.9		1620	10	1619	9	1617	10	1617	10
PH-1-9-13-23-082	0.302 5	0.0 024	4.375 8	0.0 59 4	0.1050	0.0 017	0.9		1704	12	1708	11	1713	14	1713	14
PH-1-9-13-23-083	0.308 1	0.0 022	4.548 8	0.0 50 3	0.1071	0.0 015	0.9		1731	11	1740	9	1751	10	1751	10



PH-1-12-13-5-008	0.369 5	0.0 021	7.684 6	0.0 50 7	0.1509	0.0 013	0.89		2027	10	2195	6	2356	15	-	-
PH-1-12-13-5-009	0.500 4	0.0 030	11.21 03	0.0 78 7	0.1625	0.0 018	0.9		2616	13	2541	7	2482	5	2482	5
PH-1-12-13-5-010	0.498 8	0.0 031	12.58 21	0.0 98 8	0.1830	0.0 018	0.9		2608	13	2649	7	2680	17	2680	17
PH-1-12-13-5-011	0.356 4	0.0 021	7.406 9	0.0 60 3	0.1507	0.0 015	0.91		1965	10	2162	7	2354	18	-	-
PH-1-12-13-5-012	0.457 5	0.0 029	9.920 7	0.0 76 1	0.1573	0.0 018	0.9		2429	13	2427	7	2427	6	2427	6
PH-1-12-13-5-013	0.464 4	0.0 027	10.06 52	0.0 68 5	0.1572	0.0 017	0.9		2459	12	2441	6	2426	5	2426	5
PH-1-12-13-5-014	0.455 8	0.0 026	9.888 7	0.0 61 4	0.1574	0.0 017	0.9		2421	11	2424	6	2428	5	2428	5
PH-1-12-13-5-015	0.221 4	0.0 014	2.562 4	0.0 25 8	0.0840	0.0 011	0.9		1289	7	1290	7	1292	10	1292	10
PH-1-12-13-5-016	0.311 0	0.0 020	5.788 1	0.0 68 0	0.1350	0.0 018	0.87		1745	10	1945	10	2164	24	-	-
PH-1-12-13-5-017	0.466 1	0.0 027	10.41 73	0.0 68 3	0.1621	0.0 017	0.9		2466	12	2473	6	2478	5	2478	5
PH-1-12-13-5-018	0.459 4	0.0 027	10.04 53	0.0 68 7	0.1586	0.0 017	0.9		2437	12	2439	6	2441	5	2441	5
PH-1-12-13-5-019	0.399 8	0.0 023	7.516 0	0.0 51 8	0.1364	0.0 012	0.89		2168	11	2175	6	2181	16	2181	16
PH-1-12-13-5-020	0.463 5	0.0 032	10.42 64	0.1 10 6	0.1632	0.0 021	0.89		2455	14	2473	10	2489	22	2489	22
PH-1-12-13-5-021	0.195 8	0.0 013	2.169 9	0.0 27 9	0.0804	0.0 013	0.9		1153	7	1171	9	1207	15	<b>1207</b>	<b>15</b>
PH-1-12-13-5-022	0.228 7	0.0 014	2.940 7	0.0 25 6	0.0933	0.0 010	0.88		1328	7	1392	7	1493	20	-	-
PH-1-12-13-5-023	0.456 9	0.0 027	10.02 57	0.0 66 9	0.1592	0.0 017	0.9		2426	12	2437	6	2447	5	2447	5
PH-1-12-13-5-024	0.338 7	0.0 020	7.543 6	0.0 50 6	0.1616	0.0 018	0.9		1881	9	2178	6	2472	5	-	-
PH-1-12-13-5-025	0.298 4	0.0 017	4.258 4	0.0 28 6	0.1035	0.0 011	0.9		1684	8	1685	6	1688	6	1688	6
PH-1-12-13-5-026	0.245 3	0.0 018	3.065 9	0.0 40 9	0.0907	0.0 014	0.9		1414	9	1424	10	1440	15	1440	15
PH-1-12-13-5-027	0.477 6	0.0 027	10.69 47	0.0 68 2	0.1624	0.0 017	0.9		2517	12	2497	6	2481	5	2481	5
PH-1-12-13-5-028	0.364 0	0.0 022	7.005 4	0.0 54 0	0.1396	0.0 016	0.9		2001	10	2112	7	2223	6	-	-
PH-1-12-13-5-029	0.463 2	0.0 027	10.33 35	0.0 70 6	0.1619	0.0 018	0.9		2453	12	2465	6	2475	5	2475	5
PH-1-12-13-5-030	0.458 2	0.0 028	10.08 03	0.0 87 6	0.1596	0.0 017	0.92		2432	12	2442	8	2451	18	2451	18
PH-1-12-13-5-031	0.316 7	0.0 018	6.301 4	0.0 44 9	0.1443	0.0 013	0.88		1774	9	2019	6	2280	16	-	-
PH-1-12-13-5-032	0.321 9	0.0 020	5.528 9	0.0 52 8	0.1246	0.0 014	0.9		1799	10	1905	8	2023	21	-	-
PH-1-12-13-5-033	0.296 5	0.0 017	6.181 4	0.0 39 8	0.1512	0.0 013	0.89		1674	8	2002	6	2360	15	-	-

PH-1-12-13-5-034	0.438 9	0.0 027	9.087 6	0.0 69 9	0.1502	0.0 017	0.9		2345	12	2347	7	2348	6	2348	6
PH-1-12-13-5-035	0.263 1	0.0 016	3.654 5	0.0 32 4	0.1008	0.0 012	0.9		1506	8	1561	7	1638	8	1638	8
PH-1-12-13-5-036	0.457 9	0.0 028	10.03 97	0.0 74 2	0.1590	0.0 018	0.9		2430	12	2438	7	2445	6	2445	6
PH-1-12-13-5-037	0.228 8	0.0 013	4.717 0	0.0 32 6	0.1495	0.0 013	0.88		1328	7	1770	6	2341	16	-	-
PH-1-12-13-5-038	0.400 7	0.0 028	8.049 6	0.0 88 5	0.1457	0.0 019	0.89		2172	13	2237	10	2296	23	2296	23
PH-1-12-13-5-039	0.184 8	0.0 011	2.062 3	0.0 20 6	0.0810	0.0 010	0.88		1093	6	1136	7	1220	24	-	-
PH-1-12-13-5-040	0.245 3	0.0 014	3.734 2	0.0 28 9	0.1104	0.0 011	0.87		1414	7	1579	6	1806	18	-	-
PH-1-12-13-5-041	0.433 5	0.0 030	9.036 9	0.0 98 6	0.1512	0.0 020	0.89		2321	14	2342	10	2360	23	2360	23
PH-1-12-13-5-042	0.486 1	0.0 027	10.70 99	0.0 64 9	0.1599	0.0 017	0.9		2554	12	2498	6	2454	5	2454	5
PH-1-12-13-5-043	0.235 8	0.0 014	2.844 0	0.0 24 4	0.0875	0.0 011	0.9		1365	7	1367	6	1371	8	1371	8
PH-1-12-13-5-044	0.383 0	0.0 027	8.263 2	0.0 92 4	0.1565	0.0 021	0.88		2090	13	2260	10	2418	23	-	-
PH-1-12-13-5-045	0.474 5	0.0 027	10.64 20	0.0 68 9	0.1627	0.0 017	0.9		2503	12	2492	6	2484	5	2484	5
PH-1-12-13-5-046	0.484 9	0.0 028	10.47 95	0.0 70 2	0.1568	0.0 017	0.9		2549	12	2478	6	2421	5	2421	5
PH-1-12-13-5-047	0.465 3	0.0 029	10.17 48	0.0 76 8	0.1587	0.0 018	0.9		2463	13	2451	7	2441	6	2441	6
PH-1-12-13-5-048	0.373 1	0.0 025	8.194 7	0.0 91 5	0.1593	0.0 021	0.89		2044	12	2253	10	2448	23	-	-
PH-1-12-13-5-049	0.451 5	0.0 026	9.640 3	0.0 61 9	0.1549	0.0 017	0.9		2402	11	2401	6	2401	5	2401	5
PH-1-12-13-5-050	0.277 5	0.0 017	3.760 6	0.0 33 4	0.0983	0.0 012	0.9		1579	9	1584	7	1592	8	1592	8
PH-1-12-13-5-051	0.424 3	0.0 026	8.480 6	0.0 62 4	0.1450	0.0 016	0.9		2280	12	2284	7	2288	6	2288	6
PH-1-12-13-5-052	0.453 4	0.0 028	9.936 0	0.0 75 0	0.1590	0.0 018	0.9		2410	12	2429	7	2445	6	2445	6
PH-1-12-13-5-053	0.502 1	0.0 029	12.08 24	0.0 76 4	0.1746	0.0 019	0.9		2623	12	2611	6	2602	5	2602	5
PH-1-12-13-5-054	0.438 3	0.0 029	9.128 0	0.0 97 6	0.1511	0.0 019	0.91		2343	13	2351	10	2358	22	2358	22
PH-1-12-13-5-055	0.309 0	0.0 017	6.552 0	0.0 43 8	0.1538	0.0 013	0.89		1736	9	2053	6	2388	15	-	-
PH-1-12-13-5-056	0.465 6	0.0 028	10.39 04	0.0 73 3	0.1619	0.0 018	0.9		2464	12	2470	7	2476	5	2476	5
PH-1-12-13-5-057	0.338 1	0.0 020	6.741 8	0.0 48 1	0.1447	0.0 016	0.9		1878	10	2078	6	2284	6		
PH-1-12-13-5-058	0.225 1	0.0 018	2.731 4	0.0 46 3	0.0880	0.0 017	0.87		1309	9	1337	13	1383	37	1383	37
PH-1-12-13-5-059	0.494 8	0.0 031	11.42 74	0.0 86 4	0.1676	0.0 019	0.9		2591	13	2559	7	2533	6	2533	6

PH-1-12-13-5-060	0.129 1	0.0 007	2.176 3	0.0 14 7	0.1223	0.0 013	0.9		783	4	1173	5	1990	5	-	-
PH-1-12-13-5-061	0.462 8	0.0 028	10.34 24	0.0 76 9	0.1621	0.0 018	0.9		2452	12	2466	7	2478	6	2478	6
PH-1-12-13-5-062	0.413 7	0.0 027	8.774 1	0.0 73 4	0.1539	0.0 018	0.9		2232	12	2315	8	2389	7	2389	7
PH-1-12-13-5-063	0.469 3	0.0 029	11.18 96	0.0 92 3	0.1729	0.0 018	0.9		2480	13	2539	8	2586	18	2586	18
PH-1-12-13-5-064	0.469 0	0.0 029	10.38 50	0.0 77 5	0.1607	0.0 018	0.9		2479	13	2470	7	2463	6	2463	6
PH-1-12-13-5-065	0.370 8	0.0 020	7.655 0	0.0 47 5	0.1497	0.0 012	0.89		2033	10	2191	6	2343	15	-	-
PH-1-12-13-5-066	0.460 4	0.0 061	10.14 95	0.2 24 1	0.1599	0.0 037	0.9		2441	27	2448	20	2455	20	2455	20
PH-1-12-13-5-067	0.144 5	0.0 008	1.654 2	0.0 11 1	0.0830	0.0 007	0.88		870	4	991	4	1270	17	-	-
PH-1-12-13-5-068	0.472 7	0.0 028	10.65 70	0.0 73 0	0.1636	0.0 018	0.9		2495	12	2494	6	2493	5	2493	5
PH-1-12-13-5-069	0.399 8	0.0 024	7.791 6	0.0 55 6	0.1414	0.0 016	0.9		2168	11	2207	6	2245	6	2245	6
PH-1-12-13-5-070	0.239 2	0.0 013	3.413 9	0.0 22 2	0.1035	0.0 009	0.89		1383	7	1508	5	1688	16	-	-
PH-1-12-13-5-071	0.471 9	0.0 028	10.52 99	0.0 74 6	0.1619	0.0 018	0.9		2492	12	2483	7	2476	5	2476	5
PH-1-12-13-5-072	0.411 5	0.0 025	8.764 8	0.0 65 4	0.1545	0.0 015	0.89		2222	11	2314	7	2396	17	2396	17
PH-1-12-13-5-073	0.458 6	0.0 027	10.17 04	0.0 71 1	0.1609	0.0 018	0.9		2433	12	2450	6	2465	5	2465	5
PH-1-12-13-5-074	0.458 1	0.0 030	9.957 9	0.0 86 4	0.1577	0.0 019	0.9		2431	13	2431	8	2431	7	2431	7
PH-1-12-13-5-075	0.255 4	0.0 016	5.489 6	0.0 44 5	0.1559	0.0 016	0.88		1466	8	1899	7	2412	18	-	-
PH-1-12-13-5-076	0.464 5	0.0 027	10.45 41	0.0 66 7	0.1633	0.0 017	0.9		2459	12	2476	6	2490	5	2490	5
PH-1-12-13-5-077	0.477 4	0.0 029	10.91 01	0.0 81 0	0.1658	0.0 019	0.9		2516	13	2515	7	2516	6	2516	6
PH-1-12-13-5-078	0.473 0	0.0 028	10.27 17	0.0 69 2	0.1576	0.0 017	0.9		2497	12	2460	6	2430	5	2430	5
PH-1-12-13-5-079	0.260 7	0.0 016	3.575 1	0.0 31 3	0.0994	0.0 011	0.88		1494	8	1544	7	1614	20	1614	20
PH-1-12-13-5-080	0.469 4	0.0 029	10.52 53	0.0 79 1	0.1627	0.0 018	0.9		2481	13	2482	7	2484	6	2484	6
PH-1-12-13-5-081	0.463 7	0.0 032	10.32 75	0.0 94 5	0.1616	0.0 020	0.9		2456	14	2465	8	2472	7	2472	7
PH-1-12-13-5-082	0.473 5	0.0 028	10.67 68	0.0 75 3	0.1636	0.0 018	0.9		2499	12	2495	7	2493	5	2493	5
PH-1-12-13-5-083	0.467 1	0.0 027	10.56 21	0.0 71 6	0.1641	0.0 018	0.9		2471	12	2485	6	2498	5	2498	5
PH-1-12-13-5-084	0.434 9	0.0 029	9.355 2	0.0 96 6	0.1560	0.0 019	0.9		2328	13	2373	9	2413	21	2413	21
PH-1-12-13-5-085	0.475 6	0.0 027	10.87 52	0.0 67 2	0.1659	0.0 018	0.9		2508	12	2513	6	2517	5	2517	5

PH-1-12-13-5-086	0.4910	0.0034	13.1134	0.1180	0.1937	0.0022	0.88		2575	15	2688	8	2774	19	2774	19
PH-1-12-13-5-087	0.4664	0.0026	10.3773	0.0650	0.1614	0.0017	0.9		2468	12	2469	6	2471	5	2471	5
PH-1-12-13-5-088	0.3583	0.0021	7.4389	0.0553	0.1506	0.0014	0.88		1974	10	2166	7	2352	17	-	-
PH-1-12-13-5-089	0.4637	0.0029	10.3620	0.0801	0.1622	0.0019	0.9		2456	13	2468	7	2478	6	2478	6
PH-1-12-13-5-090	0.3285	0.0018	6.4082	0.0434	0.1415	0.0012	0.89		1831	9	2033	6	2245	16		
PH-1-12-13-5-091	0.4495	0.0026	9.5816	0.0652	0.1547	0.0017	0.9		2393	12	2395	6	2398	5	2398	5
PH-1-12-13-5-092	0.3088	0.0018	4.5970	0.0348	0.1080	0.0010	0.88		1735	9	1749	6	1766	18	1766	18
PH-1-12-13-5-093	0.1521	0.0010	1.5637	0.0216	0.0746	0.0011	0.86		913	5	956	9	1057	31	<b>913</b>	<b>5</b>
PH-1-12-13-5-094	0.4331	0.0026	8.9109	0.0654	0.1493	0.0017	0.9		2320	12	2329	7	2338	6	2338	6
PH-1-12-13-5-095	0.4658	0.0027	10.3163	0.0666	0.1607	0.0017	0.9		2465	12	2464	6	2463	5	2463	5
PH-1-12-13-5-096	0.2506	0.0014	3.3949	0.0248	0.0983	0.0009	0.88		1441	7	1503	6	1591	18	-	-
PH-1-12-13-5-097	0.1933	0.0014	4.4649	0.0710	0.1675	0.0029	0.86		1139	8	1724	13	2533	30	-	-
PH-1-12-13-5-098	0.2028	0.0011	2.7941	0.0195	0.0999	0.0009	0.87		1191	6	1354	5	1622	17	-	-
PH-1-12-13-5-099	0.1372	0.0008	2.7302	0.0211	0.1443	0.0014	0.9		829	4	1337	6	2279	17	-	-
PH-1-12-13-5-100	0.4366	0.0027	9.0853	0.0714	0.1509	0.0015	0.89		2335	12	2347	7	2356	17	2356	17
PH-1-12-13-5-101	0.1793	0.0013	1.8420	0.0298	0.0746	0.0014	0.9		1063	7	1061	11	1057	21	-	-
PH-1-12-13-5-102	0.4703	0.0027	10.4729	0.0693	0.1617	0.0017	0.9		2485	12	2478	6	2473	5	2473	5
PH-1-12-13-5-103	0.4245	0.0049	9.3511	0.2384	0.1598	0.0045	0.85		2281	22	2373	23	2453	48	2453	48
PH-1-12-13-5-104	0.4289	0.0029	8.5893	0.0769	0.1454	0.0018	0.9		2301	13	2295	8	2292	7	2292	7
PH-1-12-13-5-105	0.4646	0.0032	10.3117	0.0922	0.1611	0.0020	0.9		2460	14	2463	8	2468	7	2468	7
PH-1-12-13-5-106	0.1864	0.0011	2.3824	0.0203	0.0927	0.0010	0.88		1102	6	1237	6	1482	20	-	-
PH-1-12-13-5-107	0.5125	0.0030	11.9496	0.0791	0.1693	0.0018	0.9		2667	13	2600	6	2550	5	2550	5
PH-1-12-13-5-108	0.4782	0.0029	10.8303	0.0762	0.1644	0.0018	0.9		2519	13	2509	7	2502	5	2502	5
PH-1-12-13-5-109	0.2200	0.0015	3.5476	0.0415	0.1170	0.0016	0.88		1282	8	1538	9	1911	25	-	-
PH-1-12-13-5-110	0.3035	0.0017	4.4069	0.0301	0.1054	0.0011	0.9		1709	9	1714	6	1721	6	1721	6
PH-1-12-13-5-111	0.2353	0.0015	3.7671	0.0443	0.1161	0.0015	0.86		1362	8	1586	9	1897	24	-	-

PH-1-12-13-5-112	0.235 0	0.0 014	4.749 0	0.0 46 2	0.1465	0.0 017	0.91		1361	7	1776	8	2306	20	-	-
PH-1-12-13-5-113	0.466 8	0.0 029	10.38 00	0.0 75 9	0.1615	0.0 018	0.9		2469	13	2469	7	2471	6	2471	6
PH-1-12-13-5-114	0.268 4	0.0 015	5.729 7	0.0 42 2	0.1548	0.0 015	0.9		1533	8	1936	6	2400	16	-	-
PH-1-12-13-5-115	0.339 3	0.0 019	6.839 4	0.0 48 4	0.1462	0.0 013	0.89		1883	9	2091	6	2302	16	-	-
PH-1-12-13-5-116	0.409 1	0.0 027	8.080 9	0.0 84 6	0.1433	0.0 018	0.89		2211	12	2240	9	2267	22	2267	22
PH-1-12-13-5-117	0.374 1	0.0 024	7.312 8	0.0 75 8	0.1418	0.0 017	0.88		2049	11	2150	9	2249	22	2249	22
PH-1-12-13-5-118	0.402 9	0.0 024	8.448 2	0.0 67 6	0.1521	0.0 015	0.91		2182	11	2280	7	2370	17	2370	17
PH-1-12-13-5-119	0.143 8	0.0 008	2.817 5	0.0 19 9	0.1421	0.0 013	0.89		866	5	1360	5	2253	16	-	-
PH-1-12-13-5-120	0.469 0	0.0 028	10.28 06	0.0 74 1	0.1591	0.0 018	0.9		2479	12	2460	7	2447	5	2447	5
PH-1-12-13-5-121	0.194 5	0.0 011	3.621 1	0.0 23 0	0.1350	0.0 011	0.89		1146	6	1554	5	2164	15	-	-
PH-1-12-13-5-122	0.451 1	0.0 026	9.737 9	0.0 65 6	0.1566	0.0 014	0.9		2400	11	2410	6	2419	15	2419	15
PH-1-12-13-5-123	0.276 5	0.0 017	3.703 2	0.0 33 4	0.0973	0.0 012	0.9		1574	9	1572	7	1572	8	1572	8
PH-1-12-13-5-124	0.370 2	0.0 023	7.550 5	0.0 68 7	0.1479	0.0 016	0.9		2030	11	2179	8	2322	19	-	-
PH-1-12-13-5-125	0.461 8	0.0 027	10.21 47	0.0 66 1	0.1606	0.0 017	0.9		2448	12	2454	6	2462	5	2462	5
PH-1-12-13-5-126	0.471 5	0.0 030	10.56 34	0.0 80 4	0.1627	0.0 018	0.9		2490	13	2485	7	2483	6	2483	6
PH-1-12-13-5-127	0.474 9	0.0 027	10.45 07	0.0 62 3	0.1598	0.0 017	0.9		2505	12	2476	6	2453	5	2453	5
PH-1-12-13-5-128	0.137 6	0.0 008	1.524 1	0.0 13 0	0.0804	0.0 010	0.9		831	5	940	5	1208	8	-	-
PH-1-12-13-5-129	0.311 8	0.0 019	4.560 5	0.0 35 3	0.1062	0.0 012	0.9		1750	9	1742	6	1735	7	1735	7
PH-1-12-13-5-130	0.461 4	0.0 028	10.04 67	0.0 70 0	0.1581	0.0 017	0.9		2446	12	2439	6	2435	5	2435	5
PH-1-12-13-5-131	0.407 4	0.0 026	8.136 8	0.0 72 9	0.1449	0.0 016	0.9		2203	12	2246	8	2286	19	2286	19
PH-1-12-13-5-132	0.448 2	0.0 026	9.638 8	0.0 68 8	0.1560	0.0 014	0.9		2387	12	2401	7	2413	16	2413	16
PH-1-12-13-5-133	0.187 8	0.0 010	2.526 1	0.0 17 3	0.0976	0.0 009	0.88		1109	6	1280	5	1578	17	-	-
PH-1-12-13-5-134	0.445 2	0.0 028	10.10 07	0.0 77 6	0.1647	0.0 019	0.9		2374	12	2444	7	2505	6	2505	6
PH-1-12-13-5-135	0.221 1	0.0 012	3.308 1	0.0 21 2	0.1085	0.0 009	0.88		1288	6	1483	5	1774	16	-	-
PH-1-12-13-5-136	0.253 5	0.0 016	3.232 1	0.0 34 4	0.0925	0.0 011	0.88		1456	8	1465	8	1477	24	1477	24
PH-1-12-13-5-137	0.441 4	0.0 026	9.762 5	0.0 64 3	0.1606	0.0 017	0.9		2357	12	2413	6	2462	5	2462	5

PH-1-12-13-5-138	0.500 4	0.0 030	12.13 26	0.0 83 7	0.1760	0.0 019	0.9		2615	13	2615	6	2616	5	2616	5
PH-1-12-13-5-139	0.465 8	0.0 028	10.34 09	0.0 71 1	0.1612	0.0 018	0.9		2465	12	2466	6	2468	5	2468	5
PH-1-12-13-5-140	0.364 5	0.0 022	7.405 3	0.0 53 4	0.1474	0.0 014	0.88		2003	10	2162	6	2316	16	-	-
PH-1-12-13-5-141	0.263 7	0.0 016	5.215 7	0.0 48 8	0.1435	0.0 016	0.9		1509	8	1855	8	2269	20	-	-
PH-1-12-13-5-142	0.168 4	0.0 014	1.882 7	0.0 36 5	0.0812	0.0 017	0.9		1003	8	1075	13	1225	25	-	-
PH-1-12-13-5-143	0.176 0	0.0 010	2.522 6	0.0 16 0	0.1040	0.0 009	0.88		1045	5	1279	5	1696	16	-	-
PH-1-12-13-5-144	0.263 5	0.0 027	3.573 7	0.0 76 2	0.0985	0.0 023	0.9		1508	14	1544	17	1595	25	1595	25
PH-1-12-13-5-145	0.457 7	0.0 027	9.986 7	0.0 66 3	0.1584	0.0 017	0.9		2429	12	2434	6	2439	5	2439	5
PH-1-12-13-5-146	0.440 7	0.0 028	9.214 8	0.0 75 3	0.1518	0.0 018	0.9		2354	13	2360	7	2366	6	2366	6
PH-1-12-13-5-147	0.462 4	0.0 028	10.42 89	0.0 72 3	0.1637	0.0 018	0.9		2450	12	2474	6	2495	5	2495	5
PH-1-12-13-5-148	0.131 3	0.0 008	1.436 1	0.0 15 1	0.0793	0.0 010	0.84		795	4	904	6	1180	24	-	-
PH-1-12-13-5-149	0.468 9	0.0 030	10.52 11	0.0 81 0	0.1629	0.0 019	0.9		2479	13	2482	7	2486	6	2486	6
PH-1-12-13-5-150	0.187 2	0.0 011	2.125 1	0.0 15 7	0.0824	0.0 009	0.9		1106	6	1157	5	1255	7	-	-
PH-1-12-13-5-151	0.440 2	0.0 027	9.837 8	0.0 70 0	0.1622	0.0 018	0.9		2352	12	2420	7	2479	5	2479	5
PH-1-12-13-5-152	0.223 7	0.0 018	2.855 0	0.0 44 0	0.0926	0.0 016	0.9		1302	9	1370	12	1480	17	-	-
PH-1-12-13-5-153	0.447 9	0.0 026	10.58 65	0.0 66 6	0.1716	0.0 018	0.9		2386	11	2488	6	2573	5	2573	5
PH-1-12-13-5-154	0.223 1	0.0 013	2.564 8	0.0 17 7	0.0834	0.0 009	0.9		1298	7	1291	5	1280	6	<b>1280</b>	<b>6</b>
PH-1-12-13-5-155	0.293 3	0.0 018	4.170 0	0.0 38 5	0.1031	0.0 011	0.88		1658	9	1668	8	1681	21	1681	21
PH-1-12-13-5-156	0.476 3	0.0 029	10.76 11	0.0 77 6	0.1640	0.0 018	0.9		2511	13	2503	7	2497	5	2497	5
PH-1-12-13-5-157	0.057 0	0.0 003	0.796 7	0.0 07 9	0.1014	0.0 012	0.88		357	2	595	4	1650	22	-	-
PH-1-12-13-5-158	0.191 9	0.0 012	3.877 9	0.0 33 0	0.1466	0.0 015	0.91		1132	6	1609	7	2306	18	-	-
PH-1-12-13-5-159	0.310 3	0.0 019	6.554 1	0.0 60 3	0.1532	0.0 017	0.91		1742	9	2053	8	2382	19	-	-
PH-1-12-13-5-160	0.441 2	0.0 036	9.172 1	0.1 13 0	0.1509	0.0 022	0.9		2356	16	2355	11	2356	11	2356	11
PH-1-12-13-5-161	0.474 7	0.0 029	10.69 95	0.0 75 6	0.1636	0.0 018	0.9		2504	13	2497	7	2493	5	2493	5
PH-1-12-13-5-162	0.107 5	0.0 007	1.217 1	0.0 11 5	0.0822	0.0 011	0.9		658	4	808	5	1249	10	-	-
PH-1-12-13-5-163	0.474 2	0.0 033	10.92 17	0.0 97 6	0.1671	0.0 020	0.9		2502	14	2516	8	2529	7	2529	7

PH-1-12-13-5-164	0.308 0	0.0 020	4.491 5	0.0 44 8	0.1058	0.0 014	0.9		1731	10	1729	8	1729	9	1729	9
PH-1-12-13-5-165	0.064 2	0.0 004	0.708 1	0.0 08 6	0.0800	0.0 011	0.82		401	2	544	5	1198	27	-	-
PH-1-12-13-5-166	0.497 5	0.0 036	11.28 31	0.1 11 1	0.1646	0.0 021	0.9		2603	16	2547	9	2503	8	2503	8
PH-1-12-13-5-167	0.379 4	0.0 024	7.549 3	0.0 65 7	0.1443	0.0 016	0.89		2073	11	2179	8	2280	19	2280	19
PH-1-12-13-5-168	0.445 8	0.0 031	9.479 4	0.0 86 5	0.1543	0.0 019	0.9		2377	14	2386	8	2394	7	2394	7
PH-1-12-13-5-169	0.464 1	0.0 027	10.41 36	0.0 66 0	0.1627	0.0 014	0.89		2458	12	2472	6	2484	15	2484	15
PH-1-12-13-5-170	0.101 0	0.0 006	1.102 3	0.0 11 4	0.0792	0.0 010	0.87		620	4	754	5	1177	24	-	-
PH-1-12-13-5-171	0.199 6	0.0 012	4.056 5	0.0 28 4	0.1474	0.0 013	0.89		1173	6	1646	6	2316	16	-	-
PH-1-12-13-5-172	0.301 0	0.0 017	4.393 9	0.0 28 9	0.1059	0.0 011	0.9		1696	9	1711	5	1730	5	1730	5
PH-1-12-13-5-173	0.455 4	0.0 027	10.57 20	0.0 72 2	0.1684	0.0 018	0.9		2419	12	2486	6	2542	5	2542	5
PH-1-12-13-5-174	0.234 1	0.0 015	3.152 7	0.0 35 7	0.0977	0.0 013	0.82		1356	8	1446	9	1581	25	-	-
PH-1-12-13-5-175	0.353 0	0.0 022	5.876 3	0.0 46 1	0.1208	0.0 014	0.9		1949	10	1958	7	1967	6	1967	6
PH-1-12-13-5-176	0.411 4	0.0 035	8.574 8	0.1 10 5	0.1512	0.0 023	0.9		2221	16	2294	12	2360	11	2360	11
PH-1-12-13-5-177	0.453 6	0.0 031	10.43 73	0.0 92 3	0.1669	0.0 020	0.9		2411	14	2474	8	2527	7	2527	7
PH-1-12-13-5-178	0.483 0	0.0 031	11.00 84	0.0 85 0	0.1653	0.0 019	0.9		2540	13	2524	7	2511	6	2511	6
PH-1-12-13-5-179	0.154 2	0.0 009	2.076 6	0.0 17 7	0.0977	0.0 010	0.88		925	5	1141	6	1580	20	-	-
PH-1-12-13-5-180	0.471 4	0.0 030	10.63 87	0.0 80 3	0.1637	0.0 018	0.9		2489	13	2492	7	2494	6	2494	6
PH-1-12-13-5-181	0.455 9	0.0 032	10.03 95	0.0 91 9	0.1597	0.0 020	0.9		2421	14	2438	8	2453	7	2453	7
PH-1-12-13-5-182	0.447 9	0.0 028	9.688 9	0.0 70 5	0.1569	0.0 017	0.9		2386	12	2406	7	2422	6	2422	6
PH-1-12-13-5-183	0.367 3	0.0 022	8.100 4	0.0 55 0	0.1600	0.0 017	0.9		2017	10	2242	6	2455	5	-	-
PH-1-12-13-5-184	0.261 4	0.0 016	5.684 6	0.0 47 2	0.1577	0.0 016	0.91		1497	8	1929	7	2431	18	-	-
PH-1-12-13-5-185	0.187 2	0.0 011	2.485 1	0.0 18 0	0.0963	0.0 011	0.9		1106	6	1268	5	1553	6	-	-
PH-1-12-13-5-186	0.259 1	0.0 016	3.582 4	0.0 29 7	0.1003	0.0 010	0.88		1485	8	1546	7	1629	19	1629	19
PH-1-12-13-5-187	0.435 0	0.0 025	9.678 5	0.0 61 4	0.1614	0.0 017	0.9		2328	11	2405	6	2470	5	2470	5
PH-1-12-13-5-188	0.172 0	0.0 011	3.287 5	0.0 28 5	0.1386	0.0 015	0.87		1023	6	1478	7	2210	19	-	-
PH-1-12-13-5-189	0.195 2	0.0 012	2.488 3	0.0 22 1	0.0925	0.0 010	0.88		1149	6	1269	6	1477	21	-	-

PH-1-12-13-5-190	0.189 2	0.0 011	2.463 9	0.0 18 3	0.0944	0.0 009	0.88		1117	6	1262	5	1517	18	-	-
PH-1-12-13-5-191	0.471 4	0.0 029	10.76 48	0.0 76 6	0.1656	0.0 018	0.9		2490	13	2503	7	2513	5	2513	5
PH-1-12-13-5-192	0.488 8	0.0 030	11.27 69	0.0 81 8	0.1673	0.0 019	0.9		2565	13	2546	7	2531	5	2531	5
PH-1-12-13-5-193	0.475 3	0.0 029	10.80 74	0.0 75 1	0.1649	0.0 018	0.9		2507	13	2507	6	2506	5	2506	5
PH-1-12-13-5-194	0.241 2	0.0 015	4.189 8	0.0 39 6	0.1260	0.0 014	0.84		1393	8	1672	8	2042	20	-	-
PH-1-12-13-5-195	0.351 3	0.0 023	7.434 4	0.0 67 7	0.1535	0.0 017	0.88		1941	11	2165	8	2385	20	-	-
PH-1-12-13-5-196	0.202 0	0.0 013	2.377 7	0.0 26 1	0.0854	0.0 011	0.87		1186	7	1236	8	1324	25	-	-
PH-1-12-13-5-197	0.305 5	0.0 018	5.565 9	0.0 37 6	0.1321	0.0 014	0.9		1718	9	1911	6	2126	5	-	-
PH-1-12-13-5-198	0.512 7	0.0 032	12.36 84	0.0 88 0	0.1749	0.0 019	0.9		2668	14	2633	7	2605	5	2605	5
PH-1-12-13-5-199	0.455 9	0.0 030	10.58 86	0.0 90 5	0.1684	0.0 018	0.89		2422	13	2488	8	2542	19	2542	19
PH-1-12-13-5-200	0.126 9	0.0 008	1.453 2	0.0 13 1	0.0830	0.0 010	0.9		770	4	911	5	1269	9	-	-
PH-1-12-13-5-201	0.226 0	0.0 016	4.098 6	0.0 42 3	0.1314	0.0 018	0.9		1314	8	1654	8	2117	9	-	-
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	Error corr.		<sup>206</sup> Pb <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	(Ma)	± (Ma)
PH-1-9-13-27-001	0.488 3	0.0 029	11.12 69	0.0 75 9	0.1649	0.0 018	0.9		2563	13	2534	6	2507	5	2507	5
PH-1-9-13-27-002	0.511 8	0.0 034	11.96 89	0.1 00 0	0.1693	0.0 020	0.9		2664	15	2602	8	2551	6	2551	6
PH-1-9-13-27-003	0.211 5	0.0 013	4.406 0	0.0 44 8	0.1511	0.0 018	0.89		1237	7	1713	8	2358	21	-	-
PH-1-9-13-27-004	0.351 0	0.0 025	6.804 5	0.0 90 6	0.1406	0.0 021	0.86		1940	12	2086	12	2234	27	-	-
PH-1-9-13-27-005	0.363 8	0.0 024	6.894 6	0.0 69 2	0.1375	0.0 016	0.86		2000	11	2098	9	2195	21	2195	21
PH-1-9-13-27-006	0.055 0	0.0 004	0.631 3	0.0 10 8	0.0832	0.0 015	0.86		345	2	497	7	1273	37	-	-
PH-1-9-13-27-007	0.501 2	0.0 033	12.16 50	0.0 97 6	0.1757	0.0 020	0.9		2619	14	2617	8	2613	6	2613	6
PH-1-9-13-27-008	0.478 6	0.0 028	10.72 08	0.0 68 8	0.1622	0.0 017	0.9		2521	12	2499	6	2478	5	2478	5
PH-1-9-13-27-009	0.498 6	0.0 033	12.02 39	0.0 95 8	0.1746	0.0 020	0.9		2608	14	2606	7	2602	6	2602	6
PH-1-9-13-27-010	0.302 0	0.0 019	5.450 3	0.0 49 3	0.1309	0.0 014	0.87		1701	9	1893	8	2110	20	-	-
PH-1-9-13-27-011	0.455 1	0.0 028	9.836 9	0.0 71 0	0.1565	0.0 017	0.9		2418	12	2420	7	2418	5	2418	5
PH-1-9-13-27-012	0.523 8	0.0 033	12.02 19	0.0 89 2	0.1662	0.0 018	0.9		2715	14	2606	7	2520	6	2520	6

PH-1-9-13-27-013	0.433 3	0.0 027	9.896 2	0.0 80 0	0.1656	0.0 017	0.91		2321	12	2425	7	2514	17	2514	17
PH-1-9-13-27-014	0.514 9	0.0 031	11.96 28	0.0 81 8	0.1682	0.0 018	0.9		2677	13	2601	6	2540	5	2540	5
PH-1-9-13-27-015	0.455 1	0.0 028	9.894 4	0.0 72 5	0.1574	0.0 017	0.9		2418	12	2425	7	2428	6	2428	6
PH-1-9-13-27-016	0.092 4	0.0 005	1.172 0	0.0 13 7	0.0920	0.0 012	0.74		570	3	788	6	1468	25	-	-
PH-1-9-13-27-017	0.257 7	0.0 015	5.507 1	0.0 37 9	0.1547	0.0 017	0.9		1478	8	1902	6	2399	5	-	-
PH-1-9-13-27-018	0.157 7	0.0 010	1.899 2	0.0 22 5	0.0874	0.0 012	0.85		944	5	1081	8	1368	26	-	-
PH-1-9-13-27-019	0.462 5	0.0 028	10.64 07	0.0 74 7	0.1666	0.0 018	0.9		2450	12	2492	7	2524	5	2524	5
PH-1-9-13-27-020	0.466 0	0.0 028	10.29 67	0.0 68 3	0.1600	0.0 017	0.9		2466	12	2462	6	2456	5	2456	5
PH-1-9-13-27-021	0.481 0	0.0 030	10.98 93	0.0 81 4	0.1655	0.0 018	0.9		2531	13	2522	7	2512	6	2512	6
PH-1-9-13-27-022	0.455 9	0.0 029	9.839 5	0.0 77 7	0.1563	0.0 018	0.9		2422	13	2420	7	2416	6	2416	6
PH-1-9-13-27-023	0.459 3	0.0 033	10.01 71	0.0 98 1	0.1580	0.0 020	0.9		2436	15	2436	9	2434	8	2434	8
PH-1-9-13-27-024	0.482 8	0.0 028	11.02 91	0.0 71 2	0.1655	0.0 017	0.9		2539	12	2526	6	2512	5	2512	5
PH-1-9-13-27-025	0.465 5	0.0 028	10.33 86	0.0 72 3	0.1609	0.0 017	0.9		2464	12	2466	6	2465	5	2465	5
PH-1-9-13-27-026	0.459 9	0.0 030	10.14 60	0.0 80 3	0.1598	0.0 018	0.9		2439	13	2448	7	2453	6	2453	6
PH-1-9-13-27-027	0.477 8	0.0 029	10.86 46	0.0 76 3	0.1647	0.0 018	0.9		2518	13	2512	7	2504	5	2504	5
PH-1-9-13-27-028	0.188 2	0.0 012	1.992 1	0.0 22 0	0.0767	0.0 011	0.9		1112	7	1113	7	1113	12	<b>1113</b>	<b>12</b>
PH-1-9-13-27-029	0.199 8	0.0 012	4.185 1	0.0 34 8	0.1519	0.0 016	0.89		1174	6	1671	7	2368	18	-	-
PH-1-9-13-27-030	0.143 2	0.0 010	1.923 4	0.0 29 3	0.0974	0.0 016	0.89		862	6	1089	10	1576	32	-	-
PH-1-9-13-27-031	0.468 4	0.0 029	10.46 83	0.0 73 7	0.1619	0.0 018	0.9		2477	13	2477	7	2476	5	2476	5
PH-1-9-13-27-032	0.444 3	0.0 029	9.317 8	0.0 75 4	0.1519	0.0 018	0.9		2370	13	2370	7	2368	6	2368	6
PH-1-9-13-27-033	0.488 1	0.0 030	10.67 84	0.0 77 1	0.1585	0.0 017	0.9		2562	13	2496	7	2440	5	2440	5
PH-1-9-13-27-034	0.473 2	0.0 030	10.70 65	0.0 79 1	0.1639	0.0 018	0.9		2498	13	2498	7	2497	6	2497	6
PH-1-9-13-27-035	0.459 8	0.0 028	10.06 37	0.0 72 1	0.1586	0.0 017	0.9		2439	12	2441	7	2441	5	2441	5
PH-1-9-13-27-036	0.469 9	0.0 030	10.54 40	0.0 81 2	0.1626	0.0 018	0.9		2483	13	2484	7	2483	6	2483	6
PH-1-9-13-27-037	0.458 8	0.0 031	10.34 83	0.0 90 6	0.1634	0.0 020	0.9		2434	14	2466	8	2492	7	2492	7
PH-1-9-13-27-038	0.462 8	0.0 029	10.21 82	0.0 75 0	0.1600	0.0 018	0.9		2452	13	2455	7	2456	6	2456	6

PH-1-9-13-27-039	0.475 1	0.0 030	10.78 71	0.0 79 5	0.1645	0.0 018	0.9		2506	13	2505	7	2503	6	2503	6
PH-1-9-13-27-040	0.352 7	0.0 022	7.713 2	0.0 55 6	0.1585	0.0 017	0.9		1948	10	2198	6	2439	5	-	-
PH-1-9-13-27-041	0.458 4	0.0 027	9.917 8	0.0 65 0	0.1568	0.0 017	0.9		2432	12	2427	6	2421	5	2421	5
PH-1-9-13-27-042	0.521 8	0.0 034	11.87 55	0.0 93 7	0.1649	0.0 019	0.9		2707	14	2595	7	2507	6	2507	6
PH-1-9-13-27-043	0.513 7	0.0 038	12.78 05	0.1 22 1	0.1803	0.0 022	0.9		2672	16	2664	9	2656	7	2656	7
PH-1-9-13-27-044	0.469 4	0.0 029	10.68 05	0.0 76 0	0.1649	0.0 018	0.9		2481	13	2496	7	2507	5	2507	5
PH-1-9-13-27-045	0.175 1	0.0 012	2.038 5	0.0 24 0	0.0844	0.0 012	0.9		1040	6	1128	8	1301	13	-	-
PH-1-9-13-27-046	0.263 0	0.0 018	4.345 0	0.0 60 4	0.1198	0.0 019	0.87		1505	9	1702	11	1954	28	-	-
PH-1-9-13-27-047	0.480 4	0.0 029	11.06 72	0.0 77 8	0.1670	0.0 018	0.9		2529	13	2529	7	2528	5	2528	5
PH-1-9-13-27-048	0.487 2	0.0 030	11.39 87	0.0 78 3	0.1696	0.0 018	0.9		2559	13	2556	6	2553	5	2553	5
PH-1-9-13-27-049	0.412 1	0.0 027	8.786 0	0.0 77 2	0.1546	0.0 017	0.9		2225	12	2316	8	2398	19	2398	19
PH-1-9-13-27-050	0.442 1	0.0 030	9.228 7	0.0 81 8	0.1513	0.0 018	0.9		2360	13	2361	8	2361	7	2361	7
PH-1-9-13-27-051	0.475 5	0.0 030	10.82 38	0.0 82 5	0.1650	0.0 019	0.9		2508	13	2508	7	2508	6	2508	6
PH-1-9-13-27-052	0.168 1	0.0 010	3.304 2	0.0 24 6	0.1426	0.0 014	0.88		1001	5	1482	6	2259	17	-	-
PH-1-9-13-27-053	0.463 9	0.0 030	10.24 56	0.0 82 5	0.1601	0.0 018	0.9		2457	13	2457	7	2457	6	2457	6
PH-1-9-13-27-054	0.163 0	0.0 012	1.845 8	0.0 24 9	0.0821	0.0 013	0.9		974	6	1062	9	1248	16	<b>974</b>	<b>6</b>
PH-1-9-13-27-055	0.468 4	0.0 029	10.42 98	0.0 74 0	0.1614	0.0 018	0.9		2477	13	2474	7	2471	5	2471	5
PH-1-9-13-27-056	0.517 7	0.0 037	13.06 58	0.1 19 1	0.1830	0.0 022	0.9		2690	16	2684	9	2680	7	2680	7
PH-1-9-13-27-057	0.469 7	0.0 031	10.52 72	0.0 85 1	0.1625	0.0 019	0.9		2482	13	2482	7	2482	6	2482	6
PH-1-9-13-27-059	0.488 1	0.0 041	11.37 24	0.1 34 9	0.1690	0.0 024	0.9		2562	18	2554	11	2547	10	2547	10
PH-1-9-13-27-060	0.466 7	0.0 028	10.33 60	0.0 69 4	0.1606	0.0 017	0.9		2469	12	2465	6	2462	5	2462	5
PH-1-9-13-27-061	0.419 5	0.0 027	9.075 8	0.0 79 8	0.1569	0.0 017	0.91		2258	12	2346	8	2423	19	2423	19
PH-1-9-13-27-062	0.222 7	0.0 015	2.602 7	0.0 29 5	0.0848	0.0 012	0.9		1296	8	1301	8	1310	12	1310	12
PH-1-9-13-27-063	0.496 3	0.0 031	10.88 26	0.0 78 8	0.1590	0.0 017	0.9		2598	13	2513	7	2445	5	2445	5
PH-1-9-13-27-064	0.306 0	0.0 019	5.883 6	0.0 55 7	0.1395	0.0 016	0.85		1721	9	1959	8	2221	20	-	-
PH-1-9-13-27-066	0.149 4	0.0 009	2.787 7	0.0 27 2	0.1354	0.0 016	0.87		897	5	1352	7	2169	21	-	-

PH-1-9-13-27-067	0.440 4	0.0 031	9.432 6	0.0 89 5	0.1553	0.0 019	0.9		2353	14	2381	9	2405	8	2405	8
PH-1-9-13-27-068	0.460 1	0.0 031	10.14 38	0.0 87 4	0.1599	0.0 019	0.9		2440	14	2448	8	2455	7	2455	7
PH-1-9-13-27-069	0.428 9	0.0 028	8.651 0	0.0 69 4	0.1463	0.0 017	0.9		2301	12	2302	7	2303	6	2303	6
PH-1-9-13-27-070	0.350 8	0.0 024	5.734 0	0.0 67 0	0.1186	0.0 016	0.87		1938	12	1937	10	1935	25	1935	25
PH-1-9-13-27-071	0.446 8	0.0 027	9.398 6	0.0 67 0	0.1526	0.0 017	0.9		2381	12	2378	7	2375	5	2375	5
PH-1-9-13-27-072	0.483 2	0.0 030	11.06 45	0.0 78 2	0.1661	0.0 018	0.9		2541	13	2529	7	2519	5	2519	5
PH-1-9-13-27-073	0.312 0	0.0 023	5.405 9	0.0 80 5	0.1257	0.0 021	0.84		1750	11	1886	13	2038	30	-	-
PH-1-9-13-27-074	0.235 5	0.0 014	2.807 2	0.0 23 4	0.0865	0.0 010	0.9		1363	8	1357	6	1349	8	1349	8
PH-1-9-13-27-075	0.194 2	0.0 012	3.670 8	0.0 28 5	0.1371	0.0 013	0.9		1144	6	1565	6	2191	17	-	-
PH-1-9-13-27-076	0.123 2	0.0 008	1.309 7	0.0 13 9	0.0771	0.0 009	0.87		749	4	850	6	1124	25	-	-
PH-1-9-13-27-077	0.472 3	0.0 029	10.62 10	0.0 76 9	0.1632	0.0 018	0.9		2493	13	2491	7	2489	5	2489	5
PH-1-9-13-27-078	0.461 9	0.0 032	10.15 12	0.0 92 6	0.1595	0.0 019	0.9		2448	14	2449	8	2450	7	2450	7
PH-1-9-13-27-079	0.276 3	0.0 017	4.994 0	0.0 44 0	0.1311	0.0 014	0.87		1573	9	1818	7	2113	19	-	-
PH-1-9-13-27-080	0.270 8	0.0 020	3.723 9	0.0 73 6	0.0998	0.0 021	0.83		1545	10	1577	16	1619	40	1619	40
PH-1-9-13-27-081	0.230 6	0.0 014	4.365 2	0.0 36 3	0.1373	0.0 014	0.85		1338	7	1706	7	2193	18	-	-
PH-1-9-13-27-082	0.487 2	0.0 032	11.13 10	0.0 91 6	0.1658	0.0 019	0.9		2558	14	2534	8	2516	6	2516	6
PH-1-9-13-27-083	0.460 0	0.0 030	10.03 75	0.0 78 2	0.1583	0.0 018	0.9		2440	13	2438	7	2438	6	2438	6
PH-1-9-13-27-085	0.502 4	0.0 040	11.51 19	0.1 28 8	0.1663	0.0 023	0.9		2624	17	2566	10	2520	9	2520	9
PH-1-9-13-27-086	0.324 5	0.0 021	5.558 3	0.0 63 2	0.1242	0.0 016	0.83		1812	10	1910	10	2018	24	-	-
PH-1-9-13-27-087	0.504 5	0.0 035	11.95 41	0.1 05 2	0.1720	0.0 021	0.9		2633	15	2601	8	2577	7	2577	7
PH-1-9-13-27-088	0.494 1	0.0 046	11.80 89	0.1 58 7	0.1735	0.0 027	0.9		2588	20	2589	13	2591	11	2591	11
PH-1-9-13-27-089	0.479 5	0.0 033	10.87 23	0.0 95 1	0.1646	0.0 020	0.9		2525	14	2512	8	2503	7	2503	7
PH-1-9-13-27-090	0.440 8	0.0 033	9.319 5	0.0 95 3	0.1535	0.0 020	0.9		2354	15	2370	9	2385	8	2385	8
PH-1-9-13-27-091	0.422 8	0.0 030	8.657 1	0.0 95 0	0.1485	0.0 019	0.89		2273	13	2303	10	2329	23	2329	23
PH-1-9-13-27-092	0.247 8	0.0 015	5.812 6	0.0 43 7	0.1703	0.0 019	0.9		1427	8	1948	7	2560	6	-	-
PH-1-9-13-27-093	0.203 7	0.0 014	2.243 3	0.0 24 9	0.0799	0.0 011	0.9		1195	7	1195	8	1195	12	<b>1195</b>	<b>12</b>

PH-1-9-13-27-094	0.482 7	0.0 042	11.19 50	0.1 43 0	0.1684	0.0 025	0.9		2539	18	2539	12	2542	11	2542	11
PH-1-9-13-27-095	0.509 4	0.0 040	12.50 80	0.1 33 6	0.1783	0.0 024	0.9		2654	17	2643	10	2637	8	2637	8
PH-1-9-13-27-096	0.515 9	0.0 040	11.74 19	0.1 26 5	0.1652	0.0 022	0.9		2682	17	2584	10	2510	9	2510	9
PH-1-9-13-27-097	0.466 1	0.0 034	10.36 50	0.1 03 4	0.1614	0.0 021	0.9		2467	15	2468	9	2471	8	2471	8
PH-1-9-13-27-098	0.196 9	0.0 013	2.787 8	0.0 43 6	0.1027	0.0 018	0.76		1159	7	1352	12	1673	32	-	-
PH-1-9-13-27-099	0.452 0	0.0 031	10.06 80	0.1 00 6	0.1615	0.0 020	0.9		2404	14	2441	9	2472	21	2472	21
PH-1-9-13-27-100	0.477 6	0.0 036	10.57 36	0.1 11 4	0.1607	0.0 021	0.9		2517	16	2486	10	2463	9	2463	9
Isotopic ratios and ages were corrected for common lead																
Sample/analysis designation corresponds to the sampling date, traverse stop, and analysis number																
The youngest three concordant ages are bolded, the youngest one age is interpreted to be maximum depositional age																

**Table S6.** U-Pb detrital zircon geochronology data of Sewak unit metasedimentary rocks

Sample/ analysis	Isotopic ratios			Apparent ages (Ma)				Best age							
	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	Error corr.	<sup>206</sup> Pb/ <sup>238</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>235</sup> U	± 1 s.e.	<sup>207</sup> Pb/ <sup>206</sup> Pb	± 1 s.e.	(Ma)	± (Ma)
PH-1-14-13-4-52	0.651 0	0.003 3	24.42 00	0.130 0	0.2719	0.00 27	1.02	3232	13	3285	5	3317	16	3317	16
PH-1-14-13-4-18	0.517 6	0.002 7	14.32 00	0.075 0	0.2008	0.00 20	0.97	2771	5	2689	11	2833	16	2833	16
PH-1-14-13-4-8	0.520 4	0.002 6	13.63 00	0.070 0	0.1895	0.00 19	0.99	2724	5	2700	11	2737	17	2737	17
PH-1-14-13-4-41	0.522 2	0.003 9	13.47 00	0.100 0	0.1864	0.00 19	1.00	2712	7	2708	17	2710	17	2710	17
PH-1-14-13-4-1	0.415 6	0.002 3	9.260 0	0.050 0	0.1616	0.00 16	1.05	2240	11	2363	5	2472	17	2472	17
PH-1-14-13-4-11	0.387 3	0.002 2	7.895 0	0.044 5	0.1478	0.00 15	1.05	2110	10	2219	5	2321	17	2321	17
PH-1-14-13-4-47	0.305 9	0.001 6	4.578 0	0.023 5	0.1086	0.00 11	1.01	1720	8	1745	4	1775	18	1775	18
PH-1-14-13-4-35	0.318 3	0.002 1	4.747 0	0.031 5	0.1079	0.00 11	1.00	1775	6	1781	10	1763	19	1763	19
PH-1-14-13-4-64	0.305 5	0.001 6	4.454 0	0.025 5	0.1058	0.00 11	1.00	1718	8	1722	5	1728	19	1728	19
PH-1-14-13-4-32	0.310 1	0.002 0	4.501 0	0.026 0	0.1050	0.00 11	1.00	1733	5	1741	10	1715	18	1715	18
PH-1-14-13-4-43	0.285 5	0.001 6	3.952 0	0.027 0	0.0999	0.00 10	1.00	1626	6	1619	8	1623	19	1623	19
PH-1-14-13-4-1	0.302 9	0.002 8	4.131 0	0.041 0	0.0994	0.00 10	1.03	1662	8	1705	14	1613	19	1613	19
PH-1-14-13-4-36	0.242 1	0.001 5	3.046 0	0.020 0	0.0914	0.00 09	1.02	1397	8	1419	5	1456	19	1456	19

PH-1-14-13-4-14	0.224 3	0.001 4	2.733 0	0.022 5	0.0887	0.00 10	1.03	1304	7	1337	6	1397	21	1397	21
PH-1-14-13-4-35	0.235 9	0.001 4	2.880 0	0.019 5	0.0886	0.00 09	1.01	1365	7	1376	5	1396	20	1396	20
PH-1-14-13-4-65	0.214 1	0.001 3	2.552 0	0.017 0	0.0866	0.00 09	1.03	1250	7	1287	5	1351	20	1351	20
PH-1-14-13-4-17	0.222 0	0.001 4	2.481 0	0.020 0	0.0815	0.00 08	1.02	1268	6	1292	8	1234	20	1234	20
PH-1-14-13-4-23	0.202 1	0.001 2	2.255 0	0.015 0	0.0814	0.00 08	1.01	1187	7	1198	5	1232	20	1198	12
PH-1-14-13-4-54	0.203 0	0.001 4	2.239 0	0.016 5	0.0798	0.00 08	1.00	1191	8	1193	5	1192	20	1193	12
PH-1-14-13-4-40	0.199 8	0.001 0	2.188 0	0.010 5	0.0797	0.00 08	1.00	1174	5	1177	3	1189	20	1177	12
PH-1-14-13-4-4	0.193 9	0.000 9	2.134 0	0.011 5	0.0795	0.00 08	1.01	1143	5	1160	4	1184	21	1160	12
PH-1-14-13-4-34	0.197 1	0.000 9	2.184 0	0.010 5	0.0800	0.00 08	0.99	1176	3	1159	5	1197	20	1159	12
PH-1-14-13-4-67	0.195 2	0.001 1	2.123 0	0.017 0	0.0781	0.00 09	1.01	1149	6	1156	6	1150	22	1156	12
PH-1-14-13-4-31	0.196 2	0.001 3	2.163 0	0.014 0	0.0800	0.00 08	0.99	1169	5	1155	7	1198	20	1155	12
PH-1-14-13-4-7	0.192 4	0.000 9	2.113 0	0.009 0	0.0798	0.00 08	1.02	1134	4	1153	3	1193	20	1153	12
PH-1-14-13-4-60	0.195 0	0.001 4	2.114 0	0.014 5	0.0792	0.00 08	1.00	1148	8	1153	5	1176	21	1153	12
PH-1-14-13-4-61	0.190 7	0.001 1	2.097 0	0.013 0	0.0799	0.00 08	1.02	1125	6	1149	4	1194	20	1149	11
PH-1-14-13-4-26	0.188 1	0.001 0	2.080 0	0.011 0	0.0807	0.00 08	1.03	1111	5	1142	4	1215	20	1142	11
PH-1-14-13-4-18	0.191 8	0.000 9	2.077 0	0.010 5	0.0790	0.00 08	1.01	1131	5	1141	3	1172	20	1141	11
PH-1-14-13-4-66	0.191 6	0.001 3	2.069 0	0.014 5	0.0784	0.00 08	1.01	1130	7	1138	5	1157	20	1138	11
PH-1-14-13-4-3	0.191 7	0.001 2	2.085 0	0.016 0	0.0792	0.00 08	0.99	1143	5	1130	7	1177	20	1130	11
PH-1-14-13-4-16	0.189 0	0.000 8	2.038 0	0.009 5	0.0787	0.00 08	1.01	1116	4	1128	3	1163	20	1128	11
PH-1-14-13-4-47	0.188 1	0.001 1	1.943 0	0.013 5	0.0747	0.00 08	1.01	1096	5	1111	6	1061	21	1111	11
PH-1-14-13-4-11	0.183 5	0.003 1	2.090 0	0.060 0	0.0817	0.00 11	0.95	1139	19	1085	17	1238	27	1085	17
PH-1-14-13-4-40	0.181 6	0.001 1	1.907 0	0.011 5	0.0759	0.00 08	0.99	1083	4	1076	6	1093	20	1076	11
PH-1-14-13-4-27	0.181 3	0.001 2	1.967 0	0.013 0	0.0784	0.00 08	0.97	1104	5	1074	7	1158	20	1074	11
PH-1-14-13-4-68	0.165 1	0.001 1	1.719 0	0.013 0	0.0758	0.00 08	1.03	985	6	1015	5	1089	22	1015	10
PH-1-14-13-4-5	0.165 2	0.001 1	1.625 0	0.011 5	0.0717	0.00 07	1.01	980	4	986	6	977	21	986	10
PH-1-14-13-4-22	0.155 6	0.001 1	1.503 0	0.011 0	0.0699	0.00 07	1.00	931	5	932	6	926	21	932	9

PH-1-14-13-4-56	0.1556	0.0011	1.4910	0.0160	0.0693	0.0009	0.99	935	6	928	6	908	25	928	9
PH-1-14-13-4-63	0.1465	0.0010	1.4000	0.0100	0.0695	0.0007	1.01	881	5	889	4	913	21	889	9
PH-1-14-13-4-2	0.1476	0.0010	1.4130	0.0105	0.0695	0.0007	0.99	894	4	887	6	912	21	887	9
PH-1-14-13-4-15	0.1447	0.0010	1.3270	0.0120	0.0676	0.0007	0.98	871	6	857	6	856	23	857	9
PH-1-14-13-4-34	0.1382	0.0008	1.3090	0.0085	0.0686	0.0007	1.02	835	4	849	4	887	21	849	8
PH-1-14-13-4-53	0.1393	0.0006	1.3080	0.0100	0.0680	0.0008	1.01	841	4	849	4	868	24	849	8
PH-1-14-13-4-19	0.1401	0.0009	1.3150	0.0065	0.0682	0.0007	0.99	852	3	845	5	876	22	845	8
PH-1-14-13-4-6	0.1391	0.0009	1.2850	0.0085	0.0666	0.0007	1.00	839	4	839	5	826	21	839	8
PH-1-14-13-4-50	0.1353	0.0008	1.2760	0.0090	0.0685	0.0007	1.02	818	4	835	4	884	21	835	8
PH-1-14-13-4-29	0.1355	0.0008	1.2600	0.0085	0.0671	0.0007	1.01	819	4	828	4	842	22	828	8
PH-1-14-13-4-16	0.1365	0.0007	1.2560	0.0065	0.0666	0.0007	1.00	826	3	825	4	826	21	825	8
PH-1-14-13-4-17	0.1308	0.0006	1.2160	0.0060	0.0675	0.0007	1.02	792	3	808	3	852	21	808	8
PH-1-14-13-4-25	0.1285	0.0007	1.1670	0.0070	0.0658	0.0007	0.99	786	3	779	4	800	21	779	8
PH-1-14-13-4-15	0.1260	0.0011	1.1310	0.0110	0.0656	0.0007	0.99	769	5	765	7	793	22	765	8
PH-1-14-13-4-20	0.1213	0.0008	1.0200	0.0115	0.0609	0.0008	0.97	738	4	713	6	635	27	713	7
PH-1-14-13-4-8	0.1113	0.0007	0.9810	0.0085	0.0625	0.0007	1.00	692	4	694	4	692	26	694	7
PH-1-14-13-4-49	0.1142	0.0010	0.9740	0.0080	0.0627	0.0008	0.99	697	6	690	4	697	26	690	7
PH-1-14-13-4-43	0.1034	0.0006	0.8960	0.0065	0.0627	0.0007	1.02	634	4	649	4	697	22	649	6
PH-1-14-13-4-48	0.1043	0.0008	0.8580	0.0135	0.0598	0.0008	0.98	639	5	628	8	596	31	628	8
PH-1-14-13-4-23	0.1014	0.0007	0.8450	0.0060	0.0604	0.0006	1.00	622	3	623	4	618	23	623	6
PH-1-14-13-4-4	0.0976	0.0005	0.8069	0.0044	0.0601	0.0006	1.00	601	3	601	3	606	22	601	6
PH-1-14-13-4-13	0.0950	0.0004	0.7954	0.0036	0.0607	0.0006	1.02	585	3	594	2	628	22	594	6
PH-1-14-13-4-39	0.0965	0.0005	0.8006	0.0046	0.0600	0.0006	0.99	597	3	594	3	602	22	594	6
PH-1-14-13-4-21	0.0909	0.0005	0.7630	0.0065	0.0611	0.0006	1.02	562	3	575	4	643	23	575	6
PH-1-14-13-4-69	0.0917	0.0007	0.7490	0.0060	0.0592	0.0006	1.00	566	4	567	4	576	22	567	6
PH-1-14-13-4-38	0.0908	0.0006	0.7420	0.0055	0.0593	0.0006	1.01	560	3	563	3	577	23	563	6

PH-1-14-13-4-6	0.090 2	0.000 6	0.737 4	0.004 8	0.0593	0.00 06	1.01	557	3	561	3	578	22	561	6
PH-1-14-13-4-20	0.088 1	0.000 7	0.708 0	0.006 0	0.0585	0.00 06	1.00	544	4	544	4	549	23	544	5
PH-1-14-13-4-42	0.088 5	0.000 7	0.703 0	0.007 0	0.0580	0.00 07	0.99	547	4	540	4	528	26	540	5
PH-1-14-13-4-44	0.085 6	0.000 4	0.683 5	0.004 1	0.0582	0.00 06	1.00	529	3	529	2	535	23	529	5
PH-1-14-13-4-10	0.085 2	0.000 4	0.671 6	0.004 8	0.0571	0.00 06	1.01	522	3	527	3	495	23	527	5
PH-1-14-13-4-58	0.082 2	0.000 4	0.662 0	0.005 0	0.0582	0.00 07	1.01	509	3	516	3	535	26	516	5
PH-1-14-13-4-13	0.083 2	0.000 6	0.664 0	0.007 0	0.0576	0.00 07	1.00	517	4	515	4	515	25	515	5
PH-1-14-13-4-32	0.082 5	0.000 4	0.660 2	0.004 1	0.0583	0.00 06	1.01	511	2	515	3	540	23	515	5
PH-1-14-13-4-33	0.082 9	0.000 5	0.654 0	0.005 5	0.0572	0.00 07	0.99	514	3	511	3	499	26	511	5
PH-1-14-13-4-21	0.080 4	0.000 7	0.655 0	0.009 5	0.0588	0.00 09	0.98	511	6	498	4	560	32	498	5
PH-1-14-13-4-28	0.078 5	0.000 5	0.623 2	0.004 8	0.0582	0.00 07	1.01	487	3	492	3	539	25	492	5
PH-1-14-13-4-44	0.070 7	0.000 7	0.558 0	0.005 5	0.0573	0.00 06	0.98	450	4	440	4	501	23	440	4
PH-1-14-13-4-41	0.057 9	0.000 4	0.437 1	0.003 1	0.0548	0.00 06	1.02	363	2	368	2	404	23	368	4
PH-1-14-13-4-7	0.035 2	0.000 2	0.245 6	0.001 6	0.0508	0.00 05	1.00	223	1	223	1	230	24	223	2
PH-1-14-13-4-37	0.030 6	0.000 3	0.215 9	0.002 4	0.0513	0.00 05	1.02	195	2	198	2	256	23	198	2
PH-1-14-13-4-45	0.015 8	0.000 1	0.108 9	0.001 5	0.0499	0.00 09	0.96	105	1	101	1	190	40	101	1
PH-1-14-13-4-30	0.014 0	0.000 1	0.097 4	0.001 5	0.0506	0.00 07	1.05	89	1	94	1	223	34	94	1
PH-1-14-13-4-28	0.014 6	0.000 1	0.100 5	0.001 3	0.0502	0.00 08	0.96	97	1	93	1	204	38	93	1
PH-1-14-13-4-38	0.014 3	0.000 1	0.097 9	0.001 5	0.0492	0.00 10	0.97	95	1	92	1	157	47	92	1
PH-1-14-13-4-42	0.014 1	0.000 1	0.096 5	0.001 9	0.0489	0.00 10	0.96	94	2	90	1	143	49	90	1
PH-1-14-13-4-46	0.010 4	0.000 1	0.070 5	0.001 4	0.0492	0.00 10	0.96	69	1	67	1	157	47	67	1
PH-1-14-13-4-33	0.009 9	0.000 1	0.067 9	0.001 3	0.0504	0.00 10	0.95	67	1	63	1	213	45	63	1
PH-1-14-13-4-37	0.009 8	0.000 1	0.064 2	0.000 5	0.0472	0.00 05	1.00	63	1	63	1	59	25	63	1
PH-1-14-13-4-24	0.009 8	0.000 1	0.064 7	0.000 6	0.0484	0.00 06	0.98	64	1	63	1	118	31	63	1
PH-1-14-13-4-51	0.008 6	0.000 0	0.056 6	0.000 3	0.0476	0.00 05	1.01	55	1	56	1	80	25	56	1
PH-1-14-13-4-12	0.007 9	0.000 0	0.052 5	0.000 6	0.0482	0.00 07	0.98	52	1	51	1	109	36	51	1

PH-1-14-13-4-26	0.0078	0.0000	0.0531	0.0005	0.0490	0.0006	0.96		53	1	50	1	147	29		50	1
PH-1-14-13-4-55	0.0077	0.0001	0.0490	0.0008	0.0462	0.0009	0.99		49	1	49	1	8	46		49	1
PH-1-14-13-4-2	0.0047	0.0000	0.0299	0.0003	0.0457	0.0006	0.98		30	1	30	1	-19	34		<b>30</b>	1
PH-1-14-13-4-3	0.0046	0.0000	0.0285	0.0003	0.0451	0.0006	0.97		29	1	28	1	-53	32		<b>28</b>	1
PH-1-14-13-4-62	0.0042	0.0000	0.0270	0.0007	0.0464	0.0013	0.99		27	1	27	1	18	69		<b>27</b>	1
Sample/analysis designation corresponds to the sampling date, traverse stop, and analysis number																	
The youngest three concordant ages are bolded, the youngest one age is interpreted to be maximum depositional age																	

**Table S7. Whole-rock geochemistry data for plutonic rocks**

Sample:	PH 1-8-13-8	PH-1-8-13-1B	PH-1-8-13-4B	PH-1-8-13-22	PH-1-8-13-12A	PH-11-10-15-13
Granitoid type:	diorite	monzodiorite	monzodiorite	diorite	granodiorite <sup>1</sup>	migmatitic orthogneiss <sup>2</sup>
<i>Major and minor elements (wt %)</i>						
SiO <sub>2</sub>	58.68	52.65	52.40	61.15	-	66.16
Al <sub>2</sub> O <sub>3</sub>	18.46	21.33	19.71	14.68	-	14.57
Fe <sub>2</sub> O <sub>3</sub>	5.21	7.12	11.46	4.21	-	5.37
MnO	0.09	0.08	0.11	0.10	-	0.15
MgO	2.18	2.58	3.36	0.10	-	1.84
CaO	5.85	6.91	3.74	12.73	-	3.68
Na <sub>2</sub> O	4.39	4.53	3.81	3.75	-	4.2
K <sub>2</sub> O	1.50	2.02	3.34	0.98	-	0.25
TiO <sub>2</sub>	0.46	0.71	0.92	0.48	-	0.43
P <sub>2</sub> O <sub>5</sub>	0.13	0.16	0.07	0.13	-	0.03
LOI <sup>@</sup>	2.02	1.54	1.76	-	-	2.19
Total <sup>#</sup>	98.97	99.61	100.7	99.85	-	98.87
<i>Trace elements (ppm)</i>						
Sc	10	11	23	4	3.2	18
Be	< 1	1	2	3	0.6	< 1
V	121	127	169	20	52.9	45
Cr	30	30	50	90	28.5	< 20
Co	7	13	29	9	5.1	4
Ni	< 20	< 20	30	40	12.5	< 20
Cu	30	10	50	30	17.7	80
Zn	60	70	110	50	38.8	100
Ga	20	22	22	14	10.5	18

Ge	2	1	1	1	1.1	1
As	< 5	< 5	< 5	< 5	-	< 5
Rb	34	101	113	31	3.1	3
Sr	738	814	368	444	205	197
Y	9	15	10	12	2.1	53
Zr	52	124	98	122	53.5	214
Nb	6	3	3	4	1.7	1
Mo	< 2	< 2	< 2	< 2	-	< 2
Ag	< 0.5	< 0.5	< 0.5	< 0.5	-	1
In	< 0.2	< 0.2	< 0.2	< 0.2	-	< 0.2
Sn	1	2	1	< 1	0.6	5
Sb	1.2	< 0.5	< 0.5	1	-	< 0.5
Cs	1	2.4	3.1	1.6	0.3	< 0.5
Ba	392	339	822	130	27.1	37
La	10.4	11.5	16.4	13	3.9	7.6
Ce	21.3	25.9	33.5	25.5	7.9	23.1
Pr	2.6	3.5	4.4	3	0.9	3.67
Nd	11.1	15.3	18.3	12.4	4.7	18.1
Sm	2.2	3.6	4.1	2.7	1	5.7
Eu	0.8	1.2	1.1	0.8	0.3	1.53
Gd	1.7	3.3	3.7	2.5	0.8	7.4
Tb	0.3	0.5	0.5	0.3	0.1	1.3
Dy	1.5	3.1	2.6	2.1	0.5	9.2
Ho	0.3	0.6	0.4	0.4	0.1	2
Er	0.9	1.5	1	1.2	0.3	6.2
Tm	0.2	0.2	0.1	0.2	-	0.98
Yb	1	1.6	0.7	1.2	0.3	6.7
Lu	0.2	0.2	0.1	0.2	-	1.08
Hf	1.3	3.1	2.6	3.2	1.6	6.2
Ta	0.2	0.2	0.2	0.3	0.1	0.1
W	< 1	1	< 1	-	-	< 1
Tl	0.2	0.4	0.8	0.2	-	0.3
Pb	9	9	12	14	1.4	9
Bi	< 0.4	< 0.4	< 0.4	< 0.4	-	< 0.4
Th	0.7	1.3	3.5	5.9	1	0.7
U	0.4	0.5	0.6	1.3	0.4	0.4
S	-	-	-	-	-	-
Ti*	2696	4171	5452	2860	-	2531.1
K*	12450	16766	27722	8139	-	975

P*	567	698	305	576	-	185.7
<sup>1</sup> Granitoid classification determined from QAP diagram						
<sup>2</sup> Sample PH-11-10-15-13 is from the Eastern Lohit Plutonic Complex						
Undiff. is undifferentiated granitoid classification						
"@ " Loss on ignition (LOI) values						
#Summed major-element oxide abundances, including LOI values						
"- " Not measured or below detection limit						
*ppm calculated from oxide weight percent						
Trace element concentrations have been normalized						

**Table S8.** Whole-rock geochemistry data for mafic and ultramafic rocks

Sample:	PH 1-8-13-11	PH 1-9-13-13	PH 1-8-13-28A	PH-1-9-13-8	PH-1-9-13-7B	PH-1-7-13-5	PH-1-8-13-12B	PH-1-9-13-10	PH-1-3-13-2B
Rock type:	mafic dike	metabasalt	metabasalt	mafic schist	ultramafic rock	metabasalt	mafic dike	metabasite	mafic schist
<i>Major and minor elements (wt %)</i>									
SiO <sub>2</sub>	47.86	48.37	51.36	54.38	44.42	49.01	-	-	-
Al <sub>2</sub> O <sub>3</sub>	13.51	14.60	13.07	17.68	11.06	15.36	-	-	-
Fe <sub>2</sub> O <sub>3</sub>	10.86	12.43	12.96	11.24	9.59	7.82	-	-	-
MnO	0.17	0.20	0.20	0.15	0.19	0.11	-	-	-
MgO	7.72	6.87	6.07	8.46	7.97	10.17	-	-	-
CaO	11.21	11.12	10.41	6.01	16.50	12.63	-	-	-
Na <sub>2</sub> O	3.22	3.09	1.83	0.31	2.56	2.23	-	-	-
K <sub>2</sub> O	0.26	0.61	0.87	0.01	0.90	0.19	-	-	-
TiO <sub>2</sub>	1.26	1.58	1.68	1.42	0.61	0.73	-	-	-
P <sub>2</sub> O <sub>5</sub>	0.12	0.13	0.13	0.15	0.13	0.07	-	-	-
LOI <sup>@</sup>	2.18	0.68	0.67	-	6.62	2.01	-	-	-
Total <sup>#</sup>	98.37	99.68	99.25	99.81	100.5	100.3	-	-	-
<i>Trace elements (ppm)</i>									
Sc	45	39	43	-	35	37	34.5	6.8	6.7
Be	< 1	< 1	1.0	-	1.0	< 1	0.5	-	-
V	338	330	342	320	241	197	330.2	36.4	39.1
Cr	320	250	200	300	410	610	311.8	3466	2040
Co	42	42	46	52	46	38	33.6	103.9	82
Ni	140	80	70	110	130	230	108.9	2178	1784
Cu	90	< 10	110	10	260	30	17.3	2.6	12.2
Zn	80	110	110	180	70	< 30	66.5	47.6	39
Ga	16	19	19	20	15	12	15.6	0.7	1
Ge	2	2	3	2	2	1	3.1	3.4	2.8

As	< 5	< 5	< 5	28	< 5	< 5	-	-	-
Rb	7	3	14	< 2	22	< 2	5.5	0.8	0.4
Sr	188	180	134	199	310	116	195.1	2	2
Y	18	24	27	28	14	17	14.3	0.2	0.3
Zr	57	88	92	107	64	46	50	2.1	0.6
Nb	8	6	5	5	2	3	3.9	0.1	0.1
Mo	< 2	< 2	< 2	< 2	< 2	< 2	-	-	-
Ag	< 0.5	0.6	0.7	< 0.5	< 0.5	< 0.5	-	-	-
In	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.1	-	-
Sn	< 1	< 1	1	3	< 1	< 1	0.7	0.3	0.3
Sb	2.5	4	3.3	0.6	< 0.5	< 0.5	-	-	-
Cs	0.8	< 0.5	< 0.5	< 0.5	1.4	< 0.5	0.7	-	0.1
Ba	27	53	59	3	81	46	27.1	7	1.8
La	5.6	4.6	4.2	10.6	12.9	4	2.9	0.3	0.1
Ce	13.9	12.1	11.8	27.2	28.8	9.2	7.3	0.7	0.2
Pr	1.98	1.9	2	3.2	4	1.3	1.1	0.1	-
Nd	9.4	10.2	11	14.4	18.7	6.1	6.7	0.4	0.1
Sm	2.7	3.5	3.9	4.1	4.8	2.1	2.1	0.1	-
Eu	1.0	1.3	1.4	1.6	1.5	0.7	0.7	-	-
Gd	2.8	4	4.5	5.1	4.4	2.6	2.7	0.1	-
Tb	0.5	0.7	0.8	0.8	0.6	0.5	0.4	-	-
Dy	3.2	4.3	5.1	4.9	3.3	3	3	0.1	-
Ho	0.7	0.9	1	1	0.6	0.6	0.5	-	-
Er	1.9	2.5	2.8	2.7	1.5	1.9	1.9	-	-
Tm	0.3	0.4	0.4	0.4	0.2	0.3	0.2	-	-
Yb	1.9	2.5	2.8	2.6	1.3	1.9	1.8	-	0.1
Lu	0.3	0.4	0.4	0.4	0.2	1.2	0.2	-	-
Hf	1.5	2.1	2.3	2.6	1.8	0.3	1.6	0.1	-
Ta	0.3	0.2	0.2	0.4	0.1	0.3	0.3	-	-
W	< 1	2	< 1	-	< 1	< 1	-	-	-
Tl	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-
Pb	< 5	< 5	8	38	< 5	< 5	2.7	0.3	0.2
Bi	< 0.4	< 0.4	0.5	0.6	< 0.4	< 0.4	0.1	-	-
Th	0.6	0.5	0.6	3.1	2	0.4	0.3	0.1	0.1
U	0.2	0.2	0.2	0.4	1.7	< 0.1	0.3	-	-
S	-	-	-	-	-	-	-	-	-
Ti*	7541	9434	10051	8481	3678	4385	-	-	-
K*	2158	5063	7221	88	7470	1577	-	-	-
P*	523	567	567	650	567	305	-	-	-

"@" Loss on ignition (LOI) values  
#Summed major-element oxide abundances, including LOI values  
"- " Not measured or below detection limit  
\*ppm calculated from oxide weight percent  
Trace element concentrations have been normalized

