

The following material did not appear in the original publication.

TABLE 2. Chemical formulae recalculated on the basis of 200 oxygens

[1][2][3]	Na	K	Mg	Ca	Sr	Ba	Fe <sup>+++</sup>	Al	Si	H <sub>2</sub> O	[4]	[5]
HEU 13 1	3.6	0.9	1.1	7.8	0.1	0.1	0.1	22.2	77.4	75.0	3	1
HEU 13 2	4.3	0.6	1.1	8.2	0.1	0.1	0.2	22.9	76.7	69.2	3	2
HEU 13 3	3.0	0.7	0.6	6.6	0.2	0.2	0.4	19.2	80.4	67.0	3	3
HEU 13 7	3.1	6.9	2.4	4.7	0.1	0.2	0.1	22.3	77.0	67.3	3	7
HEU 13 8	0.8	3.0	1.0	6.0	0.1	0.7	0.8	18.6	80.7	78.4	3	8
HEU 1310	4.0	2.3	0.1	4.3	3.4	1.2	0.0	25.1	74.9	69.4	7	1
HEU 1312	2.7	6.7	1.8	4.6	1.6	0.3	1.6	25.2	73.6	71.8	27	1
HEU 1313	1.6	2.2	0.7	9.4	0.0	0.0	0.0	22.7	76.9	71.9	33	1
HEU 1315	0.2	2.4	0.0	9.7	1.1	0.0	0.0	25.8	74.4	72.4	19	1
HEU 1316	2.7	1.1	0.8	6.2	1.0	0.3	1.1	21.0	78.3	67.6	3	16
HEU 1317	3.2	1.3	0.4	6.6	1.2	0.3	0.9	21.1	78.1	66.4	3	17
HEU 1318	3.4	1.2	0.0	9.9	0.1	0.1	0.0	26.0	74.1	72.2	1	1
HEU 1319	4.1	1.3	0.0	8.2	1.5	0.0	0.0	25.7	74.6	69.0	6	1
HEU 1320	11.1	1.5	0.5	4.9	0.0	0.0	0.0	21.8	77.8	60.1	6	6
HEU 1325	6.1	1.3	2.1	7.4	0.3	0.4	0.2	25.6	73.7	74.3	28	1
HEU 1326	1.4	2.4	0.0	5.0	2.7	2.8	0.0	24.2	75.7	58.9	20	RSM
HEU 1330	1.1	3.5	0.0	4.7	2.2	3.0	0.0	23.8	76.1	69.0	20	OG
HEU 1331	1.9	2.3	1.7	5.7	0.0	1.4	0.1	21.8	78.2	66.7	43	1
HEU 1332	8.0	1.0	2.2	1.9	0.2	0.4	0.1	18.9	81.1	62.1	43	2
HEU 1333	1.1	2.2	1.2	6.0	0.2	0.2	0.0	17.9	82.0	65.2	43	3
HEU 1334	0.0	2.5	2.7	6.0	0.4	0.1	0.1	21.8	78.4	53.5	44	11h
HEU 1336	1.4	3.8	0.1	5.8	0.0	0.2	0.0	19.1	81.3	53.9	44	15C
HEU 1337	1.8	0.7	0.1	10.1	0.1	0.0	0.0	25.0	75.5	57.9	4	83H
HEU 1338	1.2	2.7	1.3	4.6	0.2	0.2	0.1	18.0	82.3	66.1	2	1
HEU 1339	8.8	2.7	0.3	3.6	0.4	0.2	0.7	20.6	78.9	60.0	2	2
HEU 1340	8.3	1.4	0.1	2.4	0.0	1.2	0.0	18.1	82.1	66.6	41	1
HEU 1341	0.9	2.9	0.9	5.9	0.0	0.0	0.2	17.9	82.1	61.9	16	1
HEU 1366	0.8	2.8	0.0	10.0	0.8	0.1	0.0	26.3	73.9	70.8	45	1
HEU 1367	6.0	2.7	0.1	6.3	0.0	0.0	0.1	21.2	78.7	60.1	46	1
HEU 1368	7.5	1.8	0.1	6.4	0.0	0.0	0.1	23.1	77.1	66.3	46	2
HEU 1369	7.9	1.3	0.2	6.6	0.0	0.0	0.1	22.8	77.1	66.8	46	3
HEU 1370	6.4	0.9	0.2	8.2	0.0	0.0	0.1	23.4	76.4	70.2	46	4
HEU 1371	6.9	1.2	0.1	6.9	0.0	0.0	0.1	23.2	76.9	67.4	46	5
HEU 1372	7.0	1.3	0.1	6.5	0.0	0.0	0.1	23.4	77.0	65.8	46	6
HEU 1373	5.2	2.5	0.1	6.7	0.0	0.0	0.1	21.9	78.3	60.6	46	7
HEU 1374	8.0	1.7	0.1	6.0	0.0	0.0	0.1	23.0	77.2	62.9	46	8
HEU 1376	1.1	0.6	0.1	5.2	5.8	0.4	0.0	25.5	74.7	47.6	47	1
HEU 1377	0.8	3.0	0.1	4.2	2.2	3.1	0.1	23.1	76.9	50.0	47	5
HEUS13 1	5.9	3.8	1.6	2.0	0.0	0.0	0.0	17.4	82.7	59.8	33	1
HEUS13 2	3.9	4.4	1.0	4.2	0.0	0.0	1.0	19.4	80.1	46.8	21	1
HEUS13 4	10.4	3.0	0.3	0.6	0.0	0.0	0.0	15.2	84.7	52.7	17	2
HEUS1319	1.6	2.7	3.8	4.2	0.3	0.1	1.4	18.5	79.9	61.3	36	1
HEUS1321	4.9	3.6	2.3	3.1	0.1	0.1	1.0	19.4	79.8	69.4	4	81C
HEUS1322	1.6	2.2	3.6	0.4	0.2	0.0	0.4	18.7	80.9	69.8	4	82C
HEUS1323	11.3	2.5	1.2	0.4	0.2	0.0	0.7	17.2	82.2	59.9	4	84C
HEUS1324	9.0	1.5	3.1	1.3	0.0	0.0	2.1	18.5	79.7	67.7	4	85C
HEUS1325	6.9	5.2	2.3	2.3	0.1	0.1	1.6	20.2	78.3	63.2	4	86C
HEUS1327	1.0	6.7	2.1	2.5	0.0	0.0	0.0	16.5	82.6	57.9	21	2
HEUS1329	5.4	8.6	0.3	1.4	0.0	0.0	0.0	19.1	81.3	43.4	39	1
HEUS1330	5.6	6.0	0.3	2.3	0.0	0.0	0.0	17.7	82.5	39.8	39	2
HEUS1331	6.0	2.9	2.7	3.1	0.0	0.0	0.6	18.6	80.5	62.8	38	1a
HEUS1332	10.5	3.6	0.6	1.7	0.0	0.3	0.4	18.4	81.1	56.7	38	2b
HEUS1333	4.6	7.7	1.7	1.3	0.0	0.0	0.0	19.2	81.1	85.9	40	105-5-2
HEUS1334	1.4	7.8	1.4	2.6	0.0	0.0	0.0	17.9	82.2	81.9	40	105-12-2
HEUS1335	1.9	10.3	0.8	1.3	0.0	0.0	0.0	17.5	82.8	67.4	40	105-12-2

HEUS1336	3.9	8.0	0.5	1.4	0.0	0.0	0.0	16.8	83.5	36.4	40	105-13-cc
HEUS1338	4.9	9.8	0.5	0.6	0.0	0.0	0.0	17.5	82.7	53.9	40	105-14-cc
HEUS1339	2.4	12.2	0.5	0.7	0.0	0.0	0.0	17.0	83.0	35.9	40	105-15-6
HEUS1340	2.9	12.3	0.4	0.7	0.0	0.0	0.0	17.7	82.4	32.3	40	105-15-6
HEUS1341	3.3	10.6	0.0	0.8	0.0	0.0	0.0	16.7	83.6	38.2	40	105-16-cc
HEUS1342	3.4	3.1	0.3	1.7	0.0	0.0	0.0	17.1	83.0	59.7	40	105-17-cc
HEUS1343	5.5	9.6	0.6	0.7	0.0	0.0	0.0	17.2	82.7	50.4	40	105-17-cc
HEUS1344	5.0	8.1	0.4	1.1	0.0	0.0	0.0	16.7	83.5	45.2	40	105-19-3
HEUS1345	6.6	7.2	0.4	1.4	0.0	0.0	0.0	17.5	82.6	32.5	40	105-19-3
HEUS1347	1.6	5.2	0.7	4.0	0.0	0.0	0.0	17.6	82.7	42.3	40	105-21-cc
HEUS1348	1.8	7.5	0.6	3.3	0.0	0.0	0.0	17.1	82.9	55.2	40	105-21-cc
HEUS1349	1.7	9.4	1.2	1.2	0.0	0.0	0.0	17.4	83.0	53.3	40	163-17-5
HEUS1350	0.9	4.2	1.2	4.4	0.0	0.0	0.0	17.0	83.2	50.8	40	163-19-5
HEUS1351	1.1	4.1	1.8	4.5	0.0	0.0	0.0	17.0	82.8	59.0	40	163-27-1
HEUS1352	2.2	11.0	1.7	0.6	0.0	0.0	0.0	17.9	82.1	51.0	40	59.2-5-1
HEUS1353	2.7	10.1	1.1	0.6	0.0	0.0	0.0	17.1	83.2	53.8	40	59.2-5-1
HEUS1354	2.9	9.9	1.1	0.8	0.0	0.0	0.0	17.3	82.6	44.6	40	59.2-5-1
HEUS1355	6.2	4.3	0.0	2.8	0.0	0.0	0.0	16.1	83.9	49.7	40	59.2-3-2
HEUS1357	3.0	7.5	0.9	2.4	0.0	0.0	0.0	17.5	82.6	61.0	40	SCAN 168
HEUS1360	4.5	3.1	1.6	3.4	0.0	0.0	0.4	17.1	82.5	59.3	64	1
HEUS1361	4.3	4.0	2.3	2.4	0.0	0.0	1.3	17.0	81.9	61.1	64	2
HEUS1362	4.2	6.0	2.0	2.5	0.0	0.0	0.4	18.5	81.1	55.1	64	3
HEUS1365	10.4	6.6	1.0	1.2	0.0	0.1	0.6	20.0	79.2	63.2	48	1
HEUS1375	1.9	3.0	2.7	5.3	0.6	0.4	0.7	21.9	77.3	74.4	49	1
HEUS1378	4.9	9.8	0.5	0.6	0.0	0.0	0.0	17.5	82.7	53.9	50	1
HEUS1379	5.5	9.6	0.6	0.7	0.0	0.0	0.0	17.2	82.7	50.5	50	2
HEUS1380	1.8	7.5	0.6	3.3	0.0	0.0	0.0	17.1	82.9	55.2	50	3
HEUS1381	2.9	8.3	1.1	1.5	0.0	0.0	0.0	16.8	83.3	39.2	50	4
HEUS1382	1.1	4.1	1.8	4.5	0.0	0.0	0.0	17.0	82.8	59.0	50	5
HEUS1383	3.0	10.0	1.1	0.8	0.0	0.0	0.0	17.3	82.8	44.8	50	6
HEUS1384	3.9	4.4	1.0	4.2	0.0	0.0	1.0	19.4	80.1	46.8	51	1
HEUS1385	10.6	2.7	0.3	2.3	0.0	0.0	0.0	19.3	80.9	46.8	52	1
HEUS1386	5.9	1.2	0.2	5.2	0.0	0.0	0.0	18.2	81.9	49.1	52	2
HEUS1387	0.2	0.8	2.5	5.3	0.0	0.0	0.0	18.0	82.4	34.5	53	6 analyses (mean)
HEUS1388	10.4	4.1	1.8	2.4	0.0	0.0	1.7	20.7	77.5	59.6	54	1
HEUS1389	12.3	3.2	1.3	1.7	0.0	0.0	0.6	19.8	79.4	45.0	54	2
CHA 19 1	25.9	8.7	0.5	1.6	0.4	0.0	0.1	37.8	61.7	95.6	24	1
CHA 19 2	24.2	5.7	0.2	2.8	0.3	0.0	0.2	34.6	64.9	97.1	24	2
CHA 19 3	16.3	1.5	0.0	6.0	0.1	0.0	0.1	31.0	69.2	99.8	24	3
CHA 19 4	1.4	7.6	0.1	10.8	4.7	0.5	0.1	41.1	58.8	110.0	24	4
CHA 19 5	2.3	11.3	0.1	8.6	3.4	0.5	0.1	40.6	59.7	109.6	24	5
CHA 19 6	0.8	7.2	0.2	11.5	4.0	0.8	0.2	40.3	59.5	115.9	26	6
CHA 19 7	1.3	9.0	0.2	10.9	4.8	0.3	0.2	41.0	58.5	112.9	24	7
CHA 19 8	2.6	3.4	0.9	10.9	0.4	0.1	1.4	29.9	69.0	104.0	24	8
CHA 19 9	13.3	1.0	0.0	9.4	0.1	0.0	0.1	32.7	67.0	118.5	24	8
CHA 1910	2.2	1.7	0.2	11.6	0.4	0.0	0.2	28.2	71.7	107.9	24	10
CHA 1911	0.9	0.3	0.0	12.1	5.1	0.0	0.1	34.7	65.0	121.8	24	11
CHA 1912	0.5	4.0	0.2	10.9	1.2	0.0	0.1	30.0	70.1	105.5	24	12
CHA 1913	0.3	1.7	0.1	15.5	0.3	0.0	0.1	32.8	66.9	109.7	24	13
CHA 1914	0.7	1.5	0.5	12.9	1.1	0.0	0.1	31.1	68.8	107.0	24	14
CHA 1915	1.3	3.3	1.2	8.5	0.5	0.2	1.1	26.7	72.8	126.0	24	15
CHA 1916	12.1	3.2	0.1	8.6	0.6	0.2	0.0	34.2	65.8	104.8	24	16
CHA 1917	7.7	1.1	0.0	10.4	0.4	0.1	0.0	31.4	68.8	107.1	24	17
CHA 1918	10.6	4.4	0.0	8.4	0.4	0.0	0.0	32.0	67.8	109.2	24	18
CHA 1919	1.4	1.3	0.1	14.2	0.1	0.0	0.0	31.0	68.9	116.0	24	19
CHA 1920	0.6	3.5	2.5	7.0	0.3	0.7	0.6	26.4	73.4	90.3	24	20
CHA 1921	3.7	1.3	0.2	13.8	0.0	0.0	0.0	31.7	68.0	103.9	24	21
CHA 1922	2.9	0.8	0.0	12.3	0.3	0.6	0.0	29.4	70.4	105.5	24	22
CHA 1923	0.5	6.1	0.9	9.7	0.4	0.4	0.0	28.9	71.0	102.3	24	23
CHA 1924	1.6	1.9	0.0	9.6	1.6	1.2	0.0	28.7	71.5	102.0	24	24
CHA 1925	1.4	2.7	0.1	12.4	0.3	0.3	0.0	28.2	71.2	103.7	24	25
CHA 1926	2.1	3.2	0.0	13.6	0.0	0.0	0.4	30.1	69.0	97.9	24	26
CHA 1927	0.3	3.5	0.0	8.3	3.4	3.4	0.0	30.6	70.1	106.4	24	27
CHA 1932	8.2	17.1	0.9	3.9	0.1	0.1	0.7	36.4	63.4	95.2	10	1
CHA 1935	0.7	3.2	0.0	13.7	0.0	0.0	0.0	31.0	68.9	106.3	55	1

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CHA 1941	1.9	8.1	1.6	8.0	0.3	0.0	0.0	0.0	28.3	71.4	101.4	63	1
CHA 1942	0.1	3.8	0.1	14.9	1.3	0.0	0.0	0.0	34.2	65.1	102.9	56	9
CHA 1943	1.5	4.5	0.0	11.1	0.3	0.0	0.0	0.0	29.0	71.0	127.9	57	1
CHA 1948	3.0	5.1	0.0	11.5	0.0	0.0	0.0	1.0	28.9	69.8	105.9	58	1
CHAS1928	13.6	1.1	1.6	1.6	0.0	0.0	0.0	0.1	23.5	79.3	84.2	24	28
CHAS1930	1.9	4.3	5.6	3.6	0.1	0.0	0.0	2.0	21.3	76.3	83.8	36	1
CHAS1931	1.4	1.8	0.6	7.5	0.0	0.0	0.0	0.4	19.2	80.4	76.1	37	1
CHAS1933	16.2	6.0	2.2	0.8	0.0	0.0	0.0	0.6	29.4	70.5	82.3	48	1
CHAS1934	24.2	2.6	0.0	2.0	0.0	0.0	0.0	0.6	27.8	71.0	90.9	59	1
CHAS1936	1.0	8.0	1.0	9.7	1.2	0.1	0.1	0.8	34.8	65.1	110.0	60	C1
CHAS1937	1.1	10.8	1.4	7.7	0.1	0.1	0.1	1.7	31.3	67.6	90.0	60	C2
CHAS1938	0.9	7.3	1.3	9.3	0.2	0.1	0.1	0.7	29.5	69.9	96.5	60	C3
CHAS1939	1.9	11.0	1.2	8.7	0.5	0.2	0.2	1.4	32.7	65.9	95.5	60	C4
CHAS1940	0.2	2.2	0.5	9.7	7.3	0.7	0.0	0.0	36.4	63.1	112.1	60	C5
CHAS1944	0.9	11.5	0.8	8.7	0.3	0.0	0.0	0.5	30.4	68.8	95.1	49	CB
CHAS1945	0.8	10.4	0.5	9.1	0.2	0.0	0.0	0.5	28.9	70.3	97.9	49	CR
CHAS1946	2.1	10.1	1.1	6.1	0.0	0.0	0.0	1.3	26.6	72.4	82.2	49	CSM
CHAS1947	0.7	4.8	0.8	10.7	0.2	0.0	0.0	0.1	29.8	70.4	101.3	49	CS
CHAS1949	6.4	2.3	0.8	5.5	0.0	0.0	0.0	0.4	22.5	77.5	82.1	61	D-1
CHAS1950	2.0	3.0	2.5	5.3	0.0	0.0	0.0	0.6	21.3	78.6	84.5	61	D-10
CHAS1951	10.2	0.7	2.5	5.3	0.0	0.0	0.0	5.7	20.2	74.0	105.2	62	A
CHAS1953	5.0	6.3	2.1	6.7	0.7	0.2	0.2	0.0	29.8	69.9	93.6	49	CV
ERI 2213	2.3	7.5	0.0	8.0	0.0	0.0	0.0	0.0	25.4	74.5	89.5	25	2
ERI 2215	2.6	4.3	2.4	6.3	0.0	0.0	0.0	1.1	24.5	74.7	87.1	12	4
ERI 2216	1.0	5.6	5.9	3.6	0.0	0.0	0.0	0.0	26.3	73.9	95.2	30	12
ERI 2224	0.4	7.0	2.3	6.5	0.0	0.0	0.0	0.0	25.0	75.0	71.2	44	13
ERI 2225	1.4	7.7	0.6	6.7	0.0	0.0	0.0	0.0	24.9	75.4	56.5	44	14
ERI 2226	0.5	6.0	1.7	7.2	0.0	0.0	0.0	0.1	24.1	75.8	56.3	44	15
ERI 2227	4.1	7.6	2.0	3.3	0.0	0.0	0.0	0.0	23.8	76.6	44.2	44	16
ERI 2233	3.7	5.8	2.2	4.2	0.0	0.0	0.0	0.0	24.4	76.2	77.8	34	4
ERI 2239	1.3	6.6	3.3	5.7	0.0	0.0	0.0	0.0	23.6	75.8	73.6	67	1
ERI 2240	1.5	4.4	0.4	10.7	0.0	0.0	0.0	0.2	25.4	73.8	86.2	68	1
ERIS224	16.1	7.0	0.3	0.0	0.0	0.0	0.0	2.0	21.9	76.2	67.8	34	5
ERIS225	4.6	11.5	1.5	2.1	0.0	0.0	0.0	3.4	20.2	76.5	44.3	34	6
ERIS227	15.0	6.1	0.3	0.0	0.0	0.0	0.0	0.7	21.9	77.7	66.5	34	8
ERIS228	1.6	8.2	2.3	3.8	0.0	0.0	0.0	0.4	22.1	77.7	73.0	34	9
ERIS229	15.4	5.5	0.5	0.3	0.0	0.0	0.0	1.5	20.8	77.7	67.6	34	10
ERIS2210	8.8	7.2	0.9	1.8	0.0	0.0	0.0	1.3	20.4	78.4	65.9	34	11
ERIS2232	10.4	8.8	0.4	0.8	0.0	0.0	0.0	1.4	20.0	78.5	57.3	64	1
ERIS2236	12.2	6.1	3.0	1.6	0.0	0.1	0.1	0.2	26.1	73.4	68.7	48	1
ERIS2237	2.8	7.9	0.8	4.7	0.0	0.0	0.0	0.1	22.7	77.3	79.2	65	B
ERIS2238	6.0	7.1	1.4	2.5	0.0	0.0	0.0	0.6	21.4	78.3	70.4	66	1
PHI 25 1	3.9	14.3	0.0	11.2	0.2	0.0	0.0	0.1	39.8	59.8	80.4	11	1
PHI 25 2	6.6	22.2	0.1	4.1	0.1	0.0	0.0	0.1	38.6	61.6	71.9	11	2
PHI 25 3	1.8	12.5	0.1	13.1	0.2	0.1	0.1	0.1	40.3	59.5	84.6	11	3
PHI 25 4	2.6	15.0	0.0	12.3	0.2	0.0	0.0	0.1	39.8	59.4	81.8	11	4
PHI 25 5	2.8	11.9	0.1	12.6	0.2	0.2	0.0	0.1	42.7	57.6	86.9	11	5
PHI 25 6	26.1	4.2	0.2	1.6	0.0	0.0	0.0	0.1	35.2	65.0	85.4	11	6
PHI 25 7	21.0	5.8	0.1	4.0	0.0	0.2	0.1	0.1	35.4	64.6	77.6	11	7
PHI 25 8	26.2	5.5	0.1	2.6	0.0	0.0	0.0	0.1	35.4	64.2	76.6	11	8
PHI 25 9	6.2	11.7	0.1	8.4	0.1	0.3	0.0	0.0	36.2	64.0	75.4	11	9
PHI 2510	22.2	5.8	0.0	3.4	0.0	0.1	0.1	0.1	33.7	65.9	80.2	11	10
PHI 2511	8.8	23.7	0.1	3.2	0.0	0.0	0.0	0.1	41.0	59.4	71.8	11	11
PHI 2512	1.3	4.3	0.2	9.3	0.1	0.7	0.0	0.2	25.8	74.0	80.3	11	12
PHI 2513	2.7	7.1	0.2	9.1	0.1	0.6	0.2	0.2	30.4	69.5	83.8	11	13
PHI 2514	1.1	11.6	0.5	7.2	0.0	0.3	0.1	0.1	28.6	71.2	76.9	11	14
PHI 2515	0.5	11.5	0.2	11.4	0.0	0.2	0.0	0.1	35.2	64.6	80.4	11	15
PHI 2516	1.2	11.2	0.1	13.3	0.0	0.0	0.0	0.3	38.7	61.0	80.8	11	16
PHI 2517	3.6	10.7	0.0	7.8	0.0	0.0	0.0	0.1	31.5	68.8	79.2	11	17
PHI 2518	1.1	11.6	0.1	10.9	0.0	0.4	0.0	0.1	35.9	64.2	78.6	11	18
PHI 2519	1.0	11.7	0.1	11.1	0.0	0.0	0.0	0.0	36.0	64.2	76.8	11	19
PHI 2520	1.0	12.1	0.1	11.5	0.0	0.5	0.0	0.0	36.0	63.7	76.7	11	20
PHI 2521	10.8	11.5	0.0	5.7	0.0	0.0	0.0	0.0	35.3	65.1	76.6	11	21
PHI 2522	6.8	9.7	0.1	12.6	0.0	0.0	0.0	0.1	41.8	58.1	86.1	11	22

ID	8.4	9.9	0.0	0.0	8.5	0.0	0.0	0.0	0.0	1.0	35.1	64.0	79.9	11	HIK
PHI 2523	8.4	9.9	0.0	0.0	8.5	0.0	0.0	0.0	0.0	1.0	35.1	64.0	79.9	11	HIK
PHI 2524	0.8	4.5	0.1	0.1	10.0	0.1	2.4	0.0	2.4	0.1	31.2	68.9	81.1	11	G
PHI 2525	5.0	3.9	1.0	0.8	12.5	0.0	0.0	0.0	0.0	0.4	37.6	62.5	95.3	11	IK
PHI 2539	3.2	9.4	0.8	0.1	7.3	0.0	0.0	0.0	0.0	0.0	31.1	69.4	61.7	29	1-2-3-8-9 (mean)
PHI 2540	5.3	10.5	0.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	27.7	72.3	59.3	29	4-5-6-7-10-11 (mean)
PHI 2552	6.7	10.1	0.0	3.5	3.5	0.0	0.8	0.0	0.0	0.0	23.8	75.8	46.3	44	15p
PHI 2555	0.3	6.2	6.6	0.0	8.5	0.5	2.6	0.0	2.6	0.1	31.5	68.9	78.0	8	2
PHI 2556	1.2	6.6	0.0	0.0	9.2	0.6	2.7	0.0	2.7	0.0	33.2	65.4	71.9	8	3
PHI 2559	0.6	4.3	0.9	7.2	7.2	0.0	4.7	0.0	4.7	0.0	33.7	67.4	111.0	8	8
PHI 2561	0.9	6.4	1.2	8.2	8.2	0.0	3.6	0.0	3.6	0.0	33.7	66.4	127.2	8	10
PHI 2562	1.4	5.0	0.4	0.4	6.6	0.0	4.4	0.0	4.4	0.0	29.6	70.5	73.9	8	11
PHI 2563	0.8	17.6	0.0	5.4	5.4	0.0	1.3	0.0	1.3	0.2	34.5	66.0	75.1	26	1
PHI 2564	0.7	13.8	0.0	10.2	10.2	0.0	0.4	0.0	0.4	0.1	36.4	63.7	74.0	26	2
PHI 2582	2.5	11.1	0.0	10.0	10.0	0.0	0.1	0.0	0.1	0.0	34.4	65.8	86.3	57	1
PHI 2591	1.6	14.6	0.0	10.0	10.0	0.0	0.2	0.0	0.2	0.0	34.8	64.7	77.3	49	9
PHI 2598	20.2	7.6	0.2	3.3	3.3	0.0	0.0	0.0	0.0	0.8	33.0	66.0	73.8	70	1
PHI 2599	2.8	15.5	0.0	8.1	8.1	0.0	0.0	0.0	0.0	0.2	35.6	64.6	72.1	71	1
PHI 2527	11.0	11.8	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	27.3	72.8	64.4	35	1
PHI 2528	10.6	11.5	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	26.8	73.2	61.9	35	2
PHI 2529	7.6	11.3	1.3	2.1	2.1	0.0	0.1	0.0	0.1	0.0	26.5	73.7	68.7	35	5
PHI 2530	10.0	12.9	0.6	1.7	1.7	0.0	0.1	0.0	0.1	0.0	27.7	72.4	71.1	35	9
PHI 2531	10.0	12.9	0.6	1.7	1.7	0.0	0.1	0.0	0.1	0.0	28.6	71.6	68.8	35	10
PHI 2532	7.1	11.8	0.4	3.2	3.2	0.0	0.1	0.0	0.1	0.0	27.8	72.6	69.4	35	11
PHI 2533	14.6	12.7	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	29.2	71.2	76.9	35	14
PHI 2534	14.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.9	72.3	68.3	35	15
PHI 2535	14.0	11.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	28.5	71.2	74.0	35	17
PHI 2536	2.9	8.3	0.6	7.9	7.9	0.0	0.4	0.0	0.4	0.0	28.8	71.2	79.8	35	18
PHI 2538	11.2	11.3	1.4	1.4	1.4	0.0	0.1	0.0	0.1	0.0	28.8	71.3	64.2	35	22
PHI 2565	9.1	12.1	0.6	1.4	1.4	0.0	0.0	0.0	0.0	0.0	27.7	72.9	70.7	40	SCAN 16P OTW
PHI 2570	12.5	11.3	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	27.1	73.5	49.4	40	SCAN 100 S
PHI 2571	12.1	11.3	0.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	27.9	72.4	72.2	40	SCAN 100 TW
PHI 2572	11.2	9.9	0.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0	27.6	73.0	65.0	40	SCAN 100 TW
PHI 2573	9.1	14.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	0.0	28.6	71.9	58.9	40	SCAN 100 TW
PHI 2575	9.2	11.7	1.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0	28.6	72.0	58.9	40	59.2-5-1
PHI 2576	5.7	12.2	0.9	3.4	3.4	0.0	0.0	0.0	0.0	0.0	27.5	72.8	71.3	40	59.2-6-2
PHI 2577	5.9	11.8	0.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0	27.9	72.3	52.0	40	59.2-6-2
PHI 2578	14.1	10.5	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	23.9	75.0	66.2	69	Teels Marsh
PHI 2583	4.0	6.3	1.3	5.3	5.3	0.1	1.0	0.0	1.0	0.0	24.2	70.3	49	PG	
PHI 2584	6.7	13.7	0.5	3.3	3.3	0.0	0.1	0.0	0.1	0.0	27.5	72.4	74.2	49	PC
PHI 2585	1.9	13.0	0.1	6.1	6.1	0.0	0.0	0.0	0.0	0.0	27.5	72.6	66.4	49	PP
PHI 2586	2.0	13.3	0.4	6.4	6.4	0.0	0.0	0.0	0.0	0.0	27.8	71.2	68.7	80	1
PHI 2587	1.9	13.9	0.1	6.6	6.6	0.0	0.7	0.0	0.7	1.1	27.8	71.3	73.0	49	TT
PHI 2588	3.4	15.4	0.0	5.3	5.3	0.0	0.1	0.0	0.1	0.1	29.1	70.7	79.4	49	PS
PHI 2589	2.7	16.1	0.0	5.7	5.7	0.1	0.1	0.0	0.1	0.3	29.6	70.0	79.8	49	PB
PHI 2590	2.9	17.1	0.0	5.3	5.3	0.1	0.2	0.0	0.2	0.2	30.0	69.5	80.2	49	8
PHI 2592	5.9	11.8	0.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0	27.9	72.3	52.0	50	1
PHI 2594	9.1	14.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	0.0	28.6	71.9	58.9	50	3
PHI 2595	11.0	11.8	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	27.3	72.8	64.4	50	4
PHI 2596	14.6	12.7	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	29.2	71.2	76.9	50	5
PHI 2597	14.0	11.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	28.5	71.2	74.1	50	6
PHI 2541	11.7	11.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	23.4	76.0	71.0	72	2
PHI 2542	14.1	9.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	24.1	75.4	73.4	38	b
PHI 2543	17.9	5.9	0.5	0.1	0.1	0.0	0.0	0.0	0.0	1.4	26.7	72.2	64.4	59	1
PHI 2544	12.7	10.2	1.2	1.0	1.0	0.0	0.0	0.0	0.0	1.3	23.8	74.9	71.1	59	2
PHI 2545	13.8	6.0	0.2	2.6	2.6	0.0	0.0	0.0	0.0	0.9	23.0	76.1	59.9	59	3
PHI 2546	9.3	8.5	1.2	1.9	1.9	0.0	0.0	0.0	0.0	0.7	22.3	77.0	60.3	59	4
PHI 2547	10.5	8.6	0.9	1.2	1.2	0.0	0.0	0.0	0.0	0.0	32.2	68.2	38.0	18	1
ANA 40 1	30.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	68.4	38.0	18	2
ANA 40 2	31.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6	67.5	38.0	18	3
ANA 40 3	32.8	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	32.6	67.3	38.0	18	4
ANA 40 4	32.6	0.1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	33.5	66.8	38.0	18	5
ANA 40 5	32.1	0.1	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	34.0	65.9	38.0	18	6
ANA 40 6	31.6	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	32.5	67.4	38.0	18	7
ANA 40 7	32.7	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.5	33.2	66.2	34.2	42	1
ANA 40 8	30.8	1.0	0.5	0.6	0.6	0.0	0.0	0.0	0.0	0.0	32.2	68.2	38.0	18	1

ANA 40 9	28.8	1.6	1.7	1.4	0.0	0.0	0.0	1.4	33.7	64.6	36.4	42 2
ANA 4010	29.9	1.1	0.6	1.2	0.0	0.0	0.0	1.0	33.4	65.6	32.7	42 3
ANA 4011	30.9	0.4	0.0	0.9	0.0	0.0	0.0	1.2	34.6	64.9	34.2	42 4
ANA 4012	20.8	7.2	0.8	1.6	0.0	0.0	0.0	1.3	34.4	55.1	40.5	42 5
ANA 4013	35.8	1.2	0.0	1.9	0.0	0.0	0.0	1.2	39.5	59.3	35.2	42 6
ANA 4014	34.2	0.8	0.0	0.0	0.0	0.0	0.0	1.2	37.0	62.7	34.8	42 7
ANA 4015	33.7	0.2	0.0	0.1	0.0	0.0	0.0	0.2	33.2	66.5	34.6	42 8
ANA 4016	30.5	0.6	0.0	1.3	0.0	0.0	0.0	0.6	35.0	64.9	34.2	42 9
ANA 4017	26.1	2.7	0.2	2.0	0.0	0.0	0.0	0.0	34.0	66.2	32.8	42 10
ANA 4018	31.4	0.5	0.0	0.0	0.0	0.0	0.0	0.5	33.2	66.8	35.5	42 11
ANA 4019	23.6	3.4	0.3	1.1	0.0	0.0	0.0	0.1	31.2	69.2	35.6	42 12
ANA 4022	32.0	0.0	0.1	0.5	0.0	0.0	0.0	0.1	34.0	66.2	34.8	13 3
ANA 4023	31.7	0.0	0.1	1.1	0.0	0.0	0.0	0.1	33.7	66.2	35.0	13 4
ANA 4024	28.9	0.1	0.3	0.6	0.0	0.0	0.0	0.1	32.1	68.2	34.4	13 5
ANA 4025	30.4	0.0	0.0	1.5	0.0	0.0	0.0	0.1	34.5	65.7	37.6	14 1
ANA 4026	35.8	1.2	0.0	1.9	0.0	0.0	0.0	1.2	39.5	59.3	35.2	9 1
ANA 4027	33.5	1.2	0.0	0.9	0.0	0.0	0.0	1.4	36.5	62.4	32.0	9 2
ANA 4028	34.2	0.8	0.0	0.0	0.0	0.0	0.0	1.2	37.0	62.7	34.8	9 3
ANA 4029	31.4	0.5	0.0	0.0	0.0	0.0	0.0	0.5	33.2	66.8	35.5	9 4
ANA 4030	32.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	33.0	67.0	34.7	9 5
ANA 4031	31.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	32.0	68.0	32.9	9 6
ANA 4032	31.9	0.2	0.0	0.0	0.0	0.0	0.0	0.1	32.9	67.2	37.1	9 7
ANA 4033	28.8	0.0	0.0	0.2	0.0	0.0	0.0	0.1	30.8	69.5	36.4	9 8
ANA 4034	31.2	0.6	0.0	2.1	0.0	0.0	0.0	1.1	31.5	66.5	37.6	5 1
ANA 4035	30.3	0.2	0.0	0.4	0.0	0.0	0.0	0.7	32.6	67.2	36.4	5 2
ANA 4036	32.0	0.5	0.0	0.3	0.0	0.0	0.0	1.0	33.0	66.2	35.5	5 3
ANA 4037	31.9	1.3	0.0	0.5	0.0	0.0	0.0	2.2	31.7	66.0	36.3	5 5
ANA 4038	31.5	0.1	0.0	0.4	0.0	0.0	0.0	0.5	33.3	66.6	38.6	5 A
ANA 4039	32.3	0.1	0.0	0.5	0.0	0.0	0.0	0.6	32.6	66.8	38.8	5 B
ANA 4040	32.0	0.3	0.0	0.1	0.0	0.0	0.0	0.8	33.0	66.5	41.6	5 D
ANA 4041	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6	68.6	37.6	73 1
ANA 4042	31.2	0.5	0.0	0.1	0.0	0.0	0.0	0.0	33.5	66.9	34.2	74 1
ANA 4043	33.2	0.0	0.0	0.2	0.0	0.0	0.0	0.1	33.3	66.6	33.1	75 1
ANA 4047	25.4	3.0	0.0	3.5	0.0	0.0	0.0	0.3	29.8	69.3	34.6	78 1
ANA 4048	31.4	0.6	0.0	0.0	0.0	0.0	0.0	0.5	31.8	67.7	35.2	71 1
ANA 4049	29.7	0.2	0.0	1.0	0.0	0.0	0.0	0.0	33.8	66.7	33.2	58 2
ANAS40 1	28.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	28.4	71.7	34.7	9 9
ANAS40 2	27.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	30.7	70.1	35.5	9 10
ANAS40 3	26.6	0.0	0.0	1.6	0.0	0.0	0.0	0.2	29.2	70.5	37.6	9 11
ANAS40 4	27.7	0.1	0.0	0.7	0.0	0.0	0.0	0.1	29.2	70.8	38.6	9 12
ANAS40 5	25.7	1.6	0.1	0.1	0.0	0.0	0.0	0.9	25.7	73.2	35.0	31 1
ANAS40 6	23.2	2.3	1.5	0.7	0.0	0.0	0.0	2.0	25.7	71.8	35.0	31 2
ANAS40 7	26.0	0.6	0.4	0.2	0.0	0.0	0.0	0.9	27.9	71.5	33.4	36 1
ANAS40 8	25.9	0.3	0.3	0.2	0.0	0.0	0.0	0.4	27.9	72.1	35.8	38 1
ANAS40 9	9.8	0.2	0.1	10.8	0.0	0.0	0.0	0.3	29.6	69.5	38.3	32 1
ANAS4010	15.5	0.3	0.8	8.1	0.0	0.0	0.0	0.0	30.7	68.6	36.4	32 2
ANAS4011	25.6	0.1	1.3	1.9	0.0	0.0	0.0	0.0	29.0	70.3	36.9	32 3
ANAS4012	29.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	29.7	70.0	34.0	23 1
ANAS4013	28.0	0.3	0.7	0.3	0.0	0.0	0.0	0.0	29.3	70.7	34.0	23 2
ANAS4044	25.9	2.1	0.8	0.2	0.0	0.0	0.0	0.1	32.2	68.3	44.6	51 1
ANAS4045	31.4	0.3	0.6	0.0	0.0	0.0	0.0	0.1	29.8	69.4	36.7	76 1
ANAS4046	26.0	0.2	0.9	1.0	0.0	0.0	0.0	1.0	26.3	72.0	36.1	77 1
ANAS4050	29.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	29.8	70.1	49.4	79 10
ANAS4051	28.0	0.4	0.6	0.3	0.0	0.0	0.0	0.1	29.4	70.4	33.4	79 11

analyses (mean)  
analyses (mean)

[1] = Family name [2] = Family symbol [3] = Sample symbol [4] = Reference  
[5] = Number or name of the analysis in the reference

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End of supplemental material.