Detrital Provenance and Geochronology of the Burra, Umberatana and Wilpena Groups in the Mount Lofty Ranges

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DETRITAL PROVENANCE AND GEOCHRONOLOGY OF THE BURRA, UMBERATANA AND WILPENA GROUPS IN THE MOUNT LOFTY RANGES

GEOCHRONOLOGY AND PROVENANCE OF THE NEOPROTEROZOIC ADELAIDE SUPERBASIN

ABSTRACT

The Adelaide Superbasin contains sedimentary rocks that preserve chemical and sedimentological evidence for major changes in the biosphere, atmosphere and climate that occurred during the Neoproterozoic. Yet many major questions about the age of the stratigraphy, the contemporaneity of lithostratigraphic changes across the length of the basin and source of sediment within it remain unknown. I present new detrital zircon and rutile U–Pb, Hf isotope, and REE data from the South Mount Lofty Ranges region of the Adelaide Rift Complex within the Adelaide Superbasin. Additionally, the Belair Subgroup was also mapped to contribute to minimising gaps in geochronology throughout the Burra, Umberatana and Wilpena groups of the Adelaide Superbasin.
U-Pb ages along with Hf isotopes broadly indicate the Gawler Craton and Curnamona as important provenance regions for the Burra group, and a Musgrave and Albany Fraser provenance for sediments of the Umberatana and Wilpena groups. The source of the Belair Subgroup was found to diverse from that of older Burra Group formations and reflect a new siliciclastic source- perhaps at the onset of a basin sag phase. The stratigraphy of the Mount lofty Ranges does not directly match that of the northern Flinders Ranges and these results provide means to test their temporal correlation. Comparisons are made against existing data to indicate that lithostratigraphy is not likely to be coeval over the length of the entire rift complex. These results contribute to both local and global efforts to gain a detailed understanding of the interaction between tectonics and significant changes to the earth system during this time.

KEYWORDS

Detrital zircon, Provenance, Zircon REE, Burra Group, Umberatana Group, Neoproterozoic, Adelaide Superbasin, U-Pb, Hf, Geochronology, Mapping.

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INTRODUCTION

The Adelaide Superbasin contains sedimentary rocks that preserve chemical and sedimentological evidence for major changes in the biosphere, atmosphere and climate that occurred during the Neoproterozoic. Particularly during the transition from Rodinia to Gondwana, global to near-global glaciations, a rise in atmospheric oxygen levels as well as the proliferation of eukaryotic and metazoan life occurred (e.g. Bao et al. 2008). Despite evidence for these events being recorded in rocks within the Adelaide Superbasin the age of the stratigraphy, the contemporaneity of lithostratigraphic changes across the length of the basin and source of sediment within it remain relatively unknown due to lack of volcanic units and in-depth research. The superbasin stretches from the northernmost regions of the Flinders Ranges to the South Mount Lofty Ranges at the Fleurieu Peninsula which further extends into Kangaroo Island (Lloyd et al. 2020).

This paper presents new detrital zircon and rutile U–Pb, Hf isotopes and REE data as well as mapping of the Belair Subgroup from the South Mount Lofty Ranges region of the Adelaide Rift Complex (Figure 1). This data has been used to contribute to minimising gaps in geochronology throughout the Burra, Umberatana and Wilpena groups of the Adelaide Superbasin. The stratigraphy of the Mount lofty Ranges is not directly equivalent with that of the northern Flinders Ranges and this study further provides data to test their temporal correlation. Comparisons are also made against existing data to deduce whether the lithostratigraphy over the length of the rift complex is coeval.

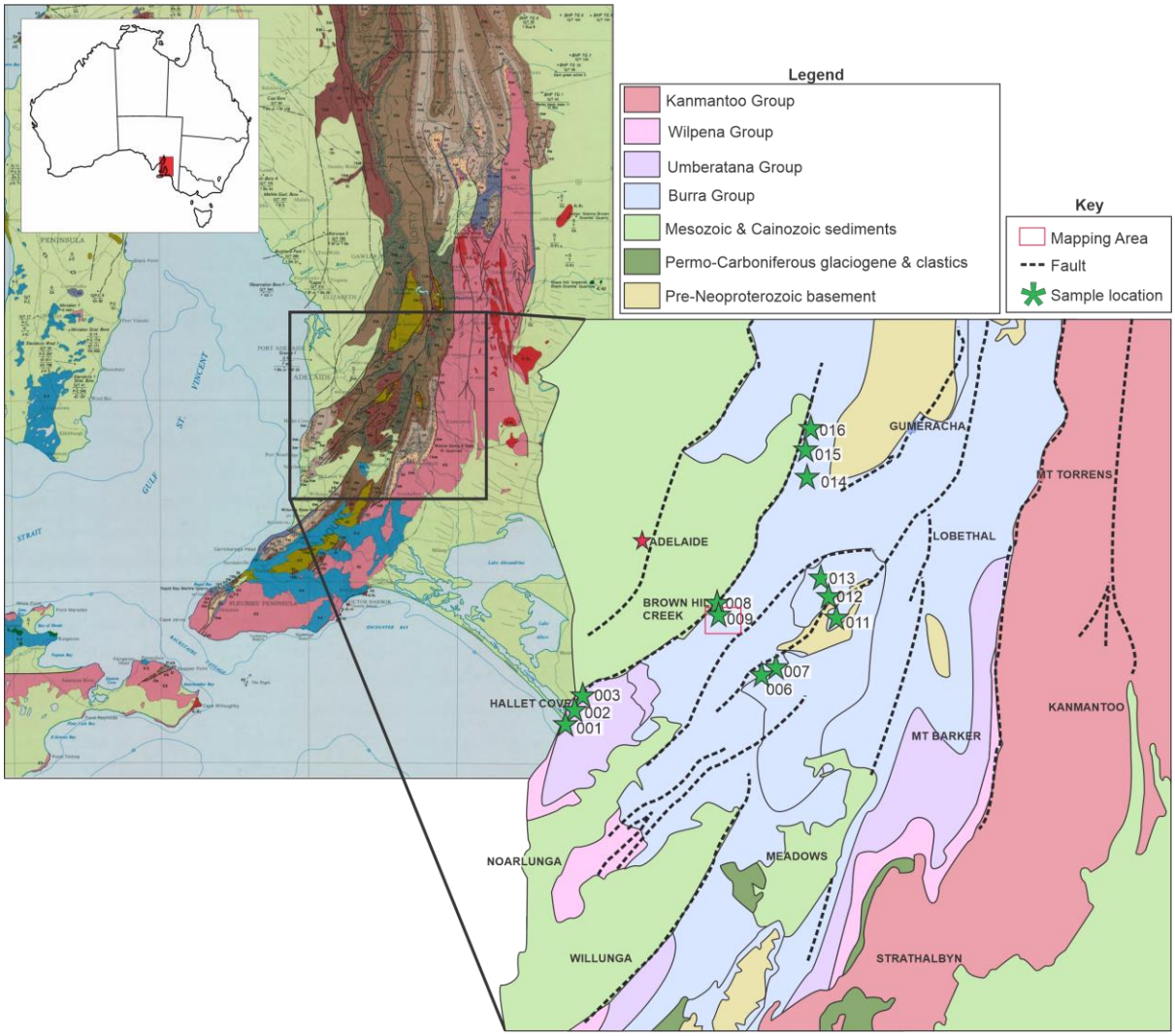


Figure 1. Location map of the Adelaide Rift Complex, sample locations from this study, and mapping area. Modified from SARIG 100K Geology Map. Sample location and numbers indicated by green stars.

GEOLOGICAL SETTING

Australia in Rodinia

Since prior to 725 Ma (Merdith et al. 2017, Preiss 2000, Powell et al. 1994, Direen and Crawford 2003) the process of rifting and breakup of Rodinia occurred. Australia-East Antarctica, and depending on the usage of one of five currently proposed models, Laurentia (Wingate et al. 2002), South China (Li et al. 1995) or Tarim (e.g. Pisarevsky et al. 2003) proceeded to rift from the supercontinent (Counts 2017). In the case of South China and Tarim the continents were likely to have acted as a conjugate margin between Australia-East Antarctica and Laurentia (Merdith et al. 2017). Laurentia, along with any intervening

continents rifting from Australia-East Antarctica within Rodinia subsequently initiated the deposition of the Adelaide Superbasin (Lloyd et al. 2020).

While palaeomagnetic constraints for the Rodinian Breakup are poor, signs of a Rodinia super plume have been inferred from Gairdner dykes (Li et al. 2008). It was during Rodinia's phase of break up that much of the sediment fill of the Centralian Superbasin and Adelaide Superbasin (Lloyd et al. 2020) were deposited (Walter et al. 1995, Lindsay 2002). Basin and hinterland evolution is interpreted to follow simple geodynamic models (e.g. McKenzie 1978). Rift shoulders that uplifted the margins of the Gawler Craton as well as other eastern terrains formed as a result of initial extension. At the time of deposition for lower Burra Groups, basement sources were well exposed and erosion into main rift grabens occurred with ease. With time, the uplift of rift shoulders limited local basement source input. Additionally, during the sag-phase sediment supply from the Gawler Craton continued to reduce as a result of submergence from lateral broadening. Provenance began to favour distal sources (e.g. Keeman et al. 2020). Deposition in the Adelaide Superbasin continued into the middle Cambrian, a period of more than 300 million years (Powell et al. 1994, Preiss 2000). It was terminated at the onset of the Delamerian Orogeny at 500 Ma (Foden et al. 2020, Lloyd et al. 2020, Preiss 2000).

The Adelaide Superbasin and the Adelaide Rift Complex

The Adelaide Superbasin (Lloyd et al. 2020) is a Neoproterozoic to Middle Cambrian sedimentary system in South Australia. It is inclusive of the Adelaide Rift Complex, Torrens Hinge Zone, Stuart Shelf (Sprigg 1952), and Coombalarnie Platform (Callen 1990, Lloyd et al. 2020).

The Adelaide Rift Complex have recorded at least five major rift cycles. They are marked by faulting, minor volcanism, and distinct depositional sequences (Preiss 2000, Walter et al.

2000) and are thought to have initiated at ca. 827 – 802 Ma (Fanning et al. 1986, Jenkins et al. 2002). Sedimentary sequences are separated into three supergroups. The Warrina Supergroup contain Tonian early rift sequences of the Callanna and Burra groups. The Heysen Supergroup comprise the Umberatana and Wilpena groups that contain Cryogenian and Ediacaran glacial, interglacial, and post-glacial sedimentary rocks. The Moralana Supergroup encompass all Cambrian sedimentary rock formations. This study presents data from across the Burra, Umberatana, and Wilpena groups.

The Burra Group is a mixed siliciclastic and carbonate succession deposited during the Tonian, (ca. 780 – 720 Ma). It is restricted to the Adelaide Rift Complex and not found elsewhere in the Adelaide Superbasin (Preiss 2000, Preiss 1993). Sediments of this group indicate a stronger marine influence than other older strata, and contain minor volcanic units at the base with a published isotopic age of 788 ± 5 Ma (Armistead et al. 2020). The top of the Burra Group in the northern Flinders Ranges is marked by carbonates of the Skillogalee Dolomite and Myrtle Springs Formation, whereas in the Mount Lofty Ranges, carbonates of the Castumbul Dolomite and Montacute Dolomite are capped by extensive siliciclastic sequences that terminate in the Belair Subgroup. The Belair Subgroup was likely to have been deposited in the north, but was eroded by an event such as the Sturtian Glaciation or, there is a diachronous facies variation from north to south (Table 1). Suggesting that siliciclastics were deposited in the south at the same time as carbonates in the north.

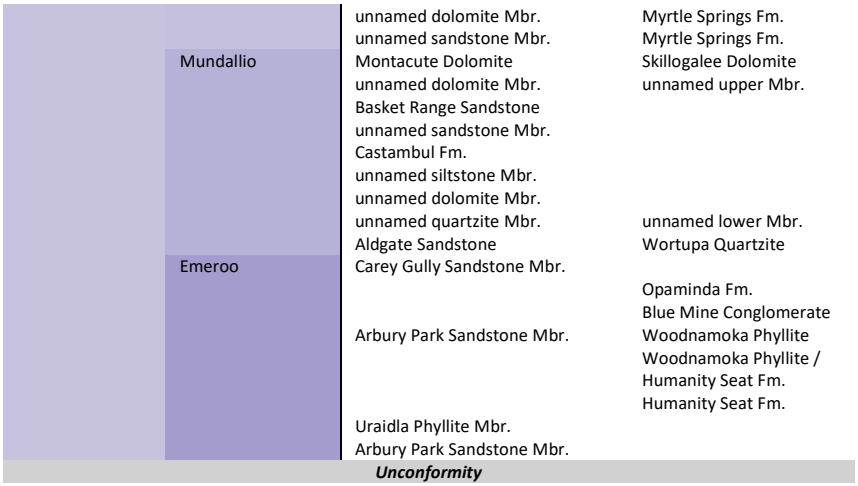
The Umberatana Group (Preiss et al. 1998) was deposited from ca. 720 – 635 Ma and is separated from the Burra Group by a regional unconformity at the onset of major glaciation (Preiss 2000) (Table 1). It is defined by Sturtian and Marinoan glacial deposits separated by a thick interglacial succession (Lloyd et al. 2020, Powell et al. 1994, Preiss 2000).

The Wilpena Group was deposited ca. 635 – 541 Ma and is defined by a largely siliciclastic deltaic and marine succession. The base is marked by a thin cap-carbonate which overlies

Marinoan glacial sediments conformably. The Umberatana and Wilpena Groups constitute the Heysen Supergroup and is thought to signify a period of thermal sag following separation from Laurentia (Lloyd et al. 2020, Preiss 1987). The group is dominated by quartzose, lithic and feldspathic sandstones, along with intercalated facies of conglomerate, and laminated siltstone which generally overlay erosional surfaces of underlying sediment (Preiss 2000).

Table 1. Stratigraphy of the South Mount Lofty Ranges with correlations to the North Flinders Ranges (NE). The missing Belair Subgroup in the North Flinders Ranges has been highlighted orange. Colours are consistent with those used in Lloyd et al. 2020, with Subgroups becoming darker down stratigraphy. Fm. = Formation; Mbr. = Member.

Group	Subgroup	South Mount Lofty Ranges	North Flinders Ranges
Wilpena	Pound		Billy Springs Fm.
			Billy Springs Fm./ Rawnsely Quartzite
			Chace Quartzite Mbr.
			Billy Springs Fm. / Bonney Sandstone
			Patsy Hill Mbr.
	Depot Springs		Wonoka Fm.
			Wearing Dolomite
			Burr Well Mbr.
	Aruhna	Bunyeroo Fm.	Bunyeroo Fm.
	Sandison	ABC Range Quartzite	Ulupa Siltstone
		Brachina Fm.	Brachina Fm.
		Moorillah Siltstone Mbr.	Bayley Range Siltstone Mbr.
		Mooloolo Siltstone Mbr.	Mooloolo Siltstone Mbr.
		Nuccaleena Fm.	Nuccaleena Fm.
		Seacliff Sandstone	
		Unconformity	
Umberatana	Yerelina	Reynella Siltstone Mbr.	
		Elatina Fm.	Balparana Sandstone
			Mount Curtis Tillite
			unnamed sandstone Mbr.
			Fortress Hill Fm.
	Upalinna	Wilmington Fm.	Enorma Shale
			Amberoona
		Marino Arksore Mbr.	
		Angepena Fm.	Weetootla Dolomite
		unnamed dolomite Mbr.	Yankaninna Fm.
	Nepouie	Brighton Limestone	Balcanoona Fm.
		Tapley Hill Fm.	Tapley Hill Fm.
			Willigan Mbr.
		Tindelpina Shale Mbr.	Tindelpina Shale Mbr.
			Serle Conglomerate
			Lyndhurst Fm.
	Yudnamutana	Sturt Tillite	Bolla Bollana Tillite
			Fitton Fm.
			Hamilton Creek Mbr.
		Unconformity	
Burra	Belair	unnamed siltstone and quartzite	Eroded or not deposited
		unnamed quartzite	Eroded or not deposited
		unnamed siltstone	Eroded or not deposited
		unnamed quartzite	Eroded or not deposited
		unnamed siltstone	Eroded or not deposited
		Mitcham Quartzite	Eroded or not deposited
	Bungarider	Saddleworth Fm.	unnamed siltstone
		Glen Osmond Slate Mbr.	unnamed siltstone
		eaumont Dolomite Mbr.	unnamed siltstone
		unnamed quartzite Mbr.	unnamed siltstone
		unnamed lower siltstone Mbr.	unnamed siltstone
		Stonyfell Quartzite	unnamed siltstone
		Greenhill Mbr.	unnamed siltstone
		Slapes Gully Mbr.	unnamed siltstone
		Wattle Park Mbr.	unnamed siltstone
			unnamed quartzite
		Woolshed Flat Shale	Myrtle Springs Fm.
		unnamed siltstone Mbr.	Myrtle Springs Fm.



METHODS

Sample Selection

Thirteen hand samples were collected from the South Mount Lofty Ranges from rocks within the Burra and Umberatana groups, of these, two from within the mapping area. For noticeable differences in grain size, composition, presence of heavy mineral laminations or sedimentary structures, multiple samples were taken. Detrital zircon grains were acquired from predominately sandstones, as well as a few quartzites, and shales in order to improve age constraints (Table 2).

Table 2. Grain size, bedding and mineralogy of samples

Sample	*Formation*	*Description*
ML_002	Brachina Fm.	Chocolate interbedded silts, mudstone and minor sandstone
ML_001	Seacliff Sandstone	Light grey, fine grained quartzite near dolomitic interbeds and reddish siltstone
ML_003	Wilmington Fm.	Dark grey, fine grained quartzite
ML_009	unnamed Belair Subgroup (GRQ equiv)	Very coarse to pebble sized sand, almost into conglomeritic in some areas with a number of cross-cutting quartz veins.
ML_008	Mitcham Quartzite	Very coarse sand with few K-feldspar grains, plagioclase, and quartz. Some minor quartz veining.
ML_016	Stonyfell Quartzite	Quartz arenite with minor lithics and feldspar
ML_015	unnamed sandstone Mbr. of Montacute Dolomite	Calcareous sandstone
ML_013a	Basket Range Sandstone	Massive quartz subarkose
ML_014	unnamed quartzite Mbr. of Castambul Fm.	Coarse grained calcareous quartzite
ML_006	Aldgate Sandstone	Highly weathered, arksosic sand with minor conglomerate
ML_007	Aldgate Sandstone	White-grey quartizte with heavy mineral laminae
ML_011a	Carey Gully Sandstone Mbr.	Heavy mineral banded, grey, medium sand, quartz arenite
ML_012a	Arbury Park Sandstone Mbr.	More abundant heavy mineral banding than in ML_012

Uranium—Lead Detrital Zircon Analysis

Procedure for U – Pb analysis was conducted following Yang et al. (2018) procedure. Each sample was cut to fist sized pieces, using a jaw crusher crushed to gravel and then broken up into to fine sand on the disk mill. Sand grade minerals between 400 µm and 79 µm diameter were selected using sieves. Separated zircon and rutile were obtained through panning and hand-magnet separation methods. Zircon were handpicked without preference for shape or size in order to minimise bias, and mounted on epoxy resin blocks. The mounts were polished and carbon coated prior to cathodoluminesence (CL) imaging using the FEI Quanta 600 Scanning Electron Microscope (SEM) with attached Gatan CL Detector. Examination and analysis were undertaken using Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) with a spot size of 30 µm and a laser frequency of 5Hz.

Zircon standard GEMOC GJ-1 (Thermal Ionization Mass Spectrometry (TIMS) normalisation data (207Pb/206Pb = 607.7 ± 4.3 Ma, 206Pb/238U = 600.7 ± 1.1 Ma and 207Pb/235U = 602.0 ± 1.0 Ma; Jackson et al. 2004) was corrected for instrumental fractionation as well as mass bias. Plešovice zircon internal standard (ID TIMS 206Pb/238U = 337.13 ± 0.37; Sláma et al. 2008) was used to assess the accuracy of unknowns during and prior to analysis. Plešovice analyses yielded a weighted average mean $^{206}Pb/^{238}U$ age of 338 ± 0.62 (n=79, MSWD = 0.71) and a $^{207}Pb/^{206}Pb$ age of 335 ± 8.6 (n=79, MSWD = 49). Data were reduced and processed using LADR software (Norris and Danyushevsky 2018) and plotted using IsoplotR (Vermeesch et al. 2016).

For the estimation of the best age, $^{206}Pb/^{238}U$ age was decided for zircon less than 1000 Ma, and $^{207}Pb/^{206}Pb$ ages for zircon ages exceeding this value due to the robustness of the U-Th-Pb systems in zircon. Maximum depositional ages (MDA) were classified using youngest grain age, as due to the nature of a detrital zircon, no two grains should exhibit the same age (Spencer et al. 2016). Youngest population ages are also presented however.

Hafnium Isotope Determination

Grains were chosen for ablation and analyses based on concordance level and presence within a population for each sample. Analyses were prepared on the New Wave/Merchantek LUV213 laser-ablation microprobe, attached to a Nu Plasma multi-collector inductively coupled plasma mass spectrometer (LA-MC-ICPMS) at Curtin University, Western Australia. Ablation times were at a 5 Hz repetition rate that resulted in ablation pits 40–60 μm deep with a spot size of 50 μm. Ablated sample was transported to the ICP-MS torch by a helium carrier gas from the laser cell.

Twenty zircon gains from the Mud Tank, together with the samples were analysed as a measure of the accuracy of the results. The average $^{176}Hf/^{177}Hf$ value (0.282507 ± 0.000022; $n = 20$) are within 2 standard deviations of the recommended value (0.282522 ± 0.000042 (2σ); Griffin and O'Reilly 2007). Twenty analyses of the 91500 zircon standard also analysed during this study indicated $^{176}Hf/^{177}Hf = 0.282292 \pm 0.000049$ (2σ), which is within the range of values reported by Griffin and O'Reilly (2007).

Calculation of initial $^{176}Hf/^{177}Hf$ is based on the ^{176}Lu decay constant of 1.867×10^{-11} y^{-1} (Scherer et al. 2001) and εHf values employed the present-day chondritic measurement of 0.282772 (Blichert-Toft and Albarède 1997). Calculation of model ages (T_{DM}) is based on a depleted-mantle source with $(^{176}Hf/^{177}Hf)_i = 0.279718$ at 4.56 Ga and $^{176}Lu/^{177}Hf = 0.0384$ (Griffin et al. 2004). T_{DM} (crustal) ages were calculated assuming that the Hf within each zircon resided within a reservoir with $^{176}Lu/^{177}Hf$ ratio of 0.015, conforming to an average Continental Crust (Griffin et al. 2004, Griffin et al. 2002).

Zircon REE Analysis

Trace element abundances were collected together with U-Pb isotope ratios. In total, 21 element masses were measured. NIST610 (Li et al. 2014), and 91500 were used as standards and REE data were normalised to chondrite values from Boynton (1984). Data were plotted

in using GCDkit package (Janoušek et al. 2006) and processed with RStudio software (RStudio Team 2020).

Geological Mapping

Geological mapping was undertaken in the Waite Conservation Park, Brown Hill Creek and Mount Osmond areas in order to demonstrate and confirm stratigraphic order between samples ML_008 and 009 where there had been questions due to uncertainties in previous maps. Lithological, structural, and facies distribution were also determined. An aerial photograph of the mapping area with northings and scale was obtained using a Google Maps satellite layer through QGIS program. All data were recorded with a declination of 8°E on a tracing paper overlay and in a field notebook. Recorded data includes GPS location, mineral, rock and unit identifications, bedding, cleavage, as well as structural and sedimentary features. Two cross sections and a stratigraphic log were developed in order to demonstrate and visualise geological structures and stratigraphic order (Appendix F).

OBSERVATIONS AND RESULTS

U−Pb Detrital Zircon Geochronology

U−Pb detrital zircon geochronology was undertaken on 1836 detrital zircon grains from 13 samples across a number of formations throughout the Burra, Umberatana and Wilpena groups (Table 1, Appendix A). Detrital zircon ages were collected from a number of stratigraphically comparable samples and locations to investigate spatial and chronological differences. The youngest concordant zircon analysis as well as the youngest population (n >3) for each sample has been recorded (Table 3).

Name	Group	Formation	Location	Sample Size	Youngest Grain Age (Ma)	YGA Error (±)	Youngest Population Age (Ma)	YPA Error (±)	Youngest Population MSWD	Peaks (Ma)
ML_002	Wilpena	Brachina Fm.	-35.07195, 138.49641	54/75	676[1]	24	1055	19	1.9	**1812, 1580, 1162**, 3128,

ML_001	Wilpena	Seacliff Ss.	-35.06975, 138.4973	135/152	654[1]	11	655.8	6.6	0.16	2482, 738 **1201, 1084**, 2416, 1672, 702
ML_003	Umberatana	Wilmington Fm	-35.07149, 138.50376	96/137	776[1]	26	987	12	0.36	**1206, 1098,** 2810, 2533, 1743
ML_009	Burra	Ss. of Belair Subgrp.	-34.97345, 138.64652	113/136	952[1]	18	1069	14	1.3	**1770**, 2419, 1600
ML_008	Burra	Mitcham Qtzt.	-34.97785, 138.65202	132/160	720[1]	21	755	12	0.51	**1090**, 2653, 1817, 1638, 772
ML_016	Burra	Stonyfell Qtzt.	-34.83741 138.72903	25/32	1584[2]	35	1601	11	0.25	**1852, 1738, 1601**, 1985
ML_015	Burra	Unnamed Ss. Mbr. of Montacute Dol.	-34.841088 138.743079	135/155	1596[2]	17	1601	11	0.46	**1847**, 2809, 1807, 1598
ML_013a	Burra	Basket Range Ss.	-34.94588, 138.76689	136/154	1621[2]	19	1742	15	0.14	**1952**, 1769, 2787
ML_014	Burra	qtzt. Mbr. of Castambul Fm.	-34.86679, 138.75734	142/152	1536[2]	17	1581	10	1.3	**1851,** 2436, 1608, 1095
ML_006	Burra	Aldgate Ss.	-35.02973, 138.70884	164/213	1608[2]	42	1735	26	0.028	**1848**, 2442,
ML_007	Burra	Aldgate Ss.	-35.02973, 138.71359	127/155	1557[2]	28	1736	19	0.012	1617, 1185
ML_011a	Burra	Carey Gully Ss. Mbr.	-34.97781, 138.78365	147/161	1546[2]	25	1587	13	0.073	**1851**, 2442, 1608, 1098
ML_012a	Burra	Arbury Park Ss. Mbr.	-34.97092, 138.7783	147/154	1553[2]	56	1564	24	0.109	**1599**, 2577, 1852

Table 3 Summary of sample details with location, youngest concordant detrital zircon, calculated mean squared weighted deviation (MSWD) ages, and Major (Bold) and minor peaks in age. 1 = $^{206}Pb/^{238}U$; 2 = $^{207}Pb/^{206}Pb$. YGA = youngest grain age, YPA = youngest population age.

BRACHINA FORMATION: SAMPLE ML_002

Sample ML_002 form the Brachina Formation yielded 75 detrital zircons and of those 54 within concordance. The majority of zircon grains have a length of 60 µm, though a few range up to 175 µm long (Figure 2). Oscillatory zoning is noticeable in a large number of the zircons. Analyses produced an age range of 676 to 2712 Ma (Figure 3). Major peaks are observed at ca. 1812, 1580, and 1162 Ma, and minor peaks at 3128, 2482, and 738 Ma (Figure 4). The youngest grain showed a $^{206}Pb/^{238}U$ age of 676 ± 24 Ma, and a youngest population age of 1055 ± 19 Ma (n=4, MSWD=1.9) (Table 3).

SEACLIFF SANDSTONE: SAMPLE ML_001

Detrital zircons picked from sample ML_001 generally contain two distinct shapes: well rounded, and very elongate with no noticeable patterns in age between the two. Grains vary from 20 to 75 µm in length often with well-defined oscillatory zonation (Figure 2). One-hundred and fifty-two analyses have been conducted on zircon cores along with a small number of rim analyses. Of these, 135 grains are within 90% of concordance and yield $^{206}Pb/^{238}U$ and $^{207}Pb/^{206}Pb$ ages of between 654 and 2958 Ma (Figure 3). Major peaks are observed at ca. 1201 and 1084 Ma, and minor peaks at 2416, 1672, and 702 Ma (Figure 4). The youngest grain returned a $^{206}Pb/^{238}U$ core age of 654 ± 11 Ma, and a youngest population an age of 656 ± 7 Ma (n=4, MSWD=0.16) (Table 3).

WILMINGTON FORMATION: SAMPLE ML_003

Detrital zircons picked from sample ML_003 have two distinct shapes: well-rounded and elongate, with grains varying from 50 to 140 µm in length (Figure 2). There appears to be no correlation between shape and age. One hundred and thirty-seven analyses were conducted with 96 zircon grains being within 90% concordance. Analyses produced ages of between 776 and 3144 Ma (Figure 3) with major peaks observed at ca. 1206, and 1098 Ma, and minor peaks at 2810, 2533 and 1743 Ma (Figure 4). The youngest grain produced a $^{206}Pb/^{238}U$ age of 776 ± 26 Ma, and the youngest population an age of 987 ± 12 Ma (n=4, MSWD=0.36) (Table 4. 1).

BELAIR SUBGROUP: SAMPLE ML_009

Detrital zircons from sample ML_009 vary from 75 to 300 µm in length (Figure 2). One hundred and thirty-six analyses were conducted on zircon core, and of these, 113 are of 90% concordance. Ages between 952 and 3122 Ma were determined (Figure 3), with major peaks observed at ca. 1770 Ma, and minor at 2419, and 1600 Ma (Figure 4). The youngest grain

returned a $^{206}Pb/^{238}U$ age of 952 ± 18 Ma, and the youngest population an age of 1069 ± 14 Ma (n=3, MSWD=1.3) (Table 3).

MITCHAM QUARTZITE: SAMPLE ML_008

Detrital zircons from sample ML_008 are distinctly large and have well-defined zonation patterns. Grains vary from 85 to 250 µm in length with very elongate, or very rounded shape (Figure 2) which have no correlation to age. Of 160 analyses, 132 grains are of 90% concordance and yields ages of between 720 and 2710 Ma (Figure 3). Major peaks are observed at ca. 1090 Ma, and minor peaks at 2653, 1817, 1638 and 772 Ma (Figure 4). The youngest grain returned a $^{206}Pb/^{238}U$ age of 720 ± 21 Ma, and a youngest population age of 755 ± 12 Ma (n = 3, MSWD = 0.51) (Table 3).

STONYFELL QUARTZITE: SAMPLE ML_016

Detrital zircons picked from sample ML_016 are dominantly small with grains that average about 85 µm but range up to 250 µm in length (Figure 2). Of 32 analyses, 25 grains are of 90% concordance and yield ages of between 2200 and 1565 Ma (Figure 3). Major peaks are observed at ca. 1852, 1738, and 1601 Ma, and minor peaks at 1985 Ma (Figure 4). The youngest grain returned a $^{206}Pb/^{238}U$ age of 720 ± 21 Ma, and a youngest population an age of 755 ± 12 Ma (n = 3, MSWD = 0.51) (Table 3).

SANDSTONE MEMBER OF THE MONTACUTE DOLOMITE: SAMPLE ML_015

Sample ML_015 contains detrital zircon grains which vary from 50 to 250 µm in length, many with a distinct elongate shape and oscillatory zoning (Figure 2). One hundred and thirty five out of 155 grains fall within 90% concordance and yield 207Pb/206Pb ages of between 1596 and 2818 Ma (Figure 3). Major peaks observed at ca. 1847, and minor at 2809, 1807

and 1598 Ma (Figure 4). The youngest grain has a 207Pb/206Pb age of 1596 ± 17 Ma, and a youngest population age of 1601 ± 11 Ma (n = 5, MSWD = 0.25) (Table 3).

BASKET RANGE SANDSTONE: SAMPLE ML_013

Detrital zircons from sample ML_013 contain grains which vary from 75 to 250 µm in length, a mixture of both rounded and elongate shape (Figure 2). Neither shape nor size appear to contribute to population ages. One hundred and thirty-six out of 154 grains fall within 90% concordance and yield $^{207}Pb/^{206}Pb$ ages of between 1621 and 2818 Ma (Figure 3). Major peaks are observed at ca. 1952 Ma, and minor peaks at 1769 and 2787 Ma (Figure 4). The youngest grain has a $^{207}Pb/^{206}Pb$ age of 1621 ± 19 Ma, and a youngest population age of 1742 ± 15 Ma (n = 6, MSWD = 0.14) (Table 3).

SANDSTONE OF THE CASTUMBUL FORMATION: SAMPLE ML_014

Detrital zircons from sample ML_014 contain grains with two very distinct sizes: one very large and the other small, varying from 50 to 300 µm in length. An elongated shape and oscillatory zoning is a prominent feature for most grains (Figure 2). Of 152 zircon grains, 142 are of 90% concordance and yield ages between 1536 and 3297 Ma (Figure 3). Major peaks are observed at ca. 1851 Ma, and minor at 2436, 1608, 1095 Ma (Figure 4). The youngest grain has a $^{207}Pb/^{206}Pb$ age of 1536 ± 56 Ma, and a youngest population age of 1581 ± 10 Ma (n = 7, MSWD = 1.3) (Table 3).

ALDGATE SANDSTONE: SAMPLE ML_006 + ML_007

Samples ML_006 and ML_007 are collected from the Aldgate Sandstone, with zircons varying from 50 to 175 µm in length (Figure 2). Of 368 zircon grains, 288 are of 90% concordance with ages between 1557 and 2717 Ma (Figure 3). Major peaks are observed at ca. 1848 Ma, with minor peaks at 2442, 1617, 1185 Ma (Figure 4). The youngest grain has a

$^{207}Pb/^{206}Pb$ age of 1557 ± 28 Ma, and a youngest population age of 1736 ± 19 Ma (n = 4, MSWD = 0.012) (Table 3).

CAREY GULLY SANDSTONE MEMBER: SAMPLE ML_011

Detrital zircons from sample ML_011 contain grains which vary from 50 to 160 µm in length, with majority displaying an elongated shape (Figure 2). Of 161 grains, 147 are of 90% concordance with ages between 1621 and 2818 Ma (Figure 3). Major peaks observed at ca. 1851 Ma, and minor at 2442, 1608, and 1098 Ma (Figure 4). The youngest grain has a $^{207}Pb/^{206}Pb$ age of 1546 ± 25 Ma, and a youngest population age of 1587 ± 13 Ma (n = 6, MSWD = 0.073) (Table 3).

ARBURY PARK SANDSTONE MEMBER: SAMPLE ML_012

Detrital zircons from sample ML_012 contain grains which vary from 65 to 200 µm in length, with a clear mix of anhedral and elongate shape (Figure 2). Of 154 grains, 147 are of 90% concordance and produce ages between 1553 and 2951 Ma (Figure 3). Major peaks observed at ca. 1599 Ma, and minor peaks at 2577, and 1852 Ma (Figure 4). The youngest grain has a $^{207}Pb/^{206}Pb$ age of 1553 ± 56 Ma, and a youngest population age of 1564 ± 24 Ma (n = 3, MSWD = 0.109) (Table 3).

Figure 2. Cathodoluminescence (CL) images of detrital zircon grains from each sample. The youngest, as well as a representative zircon is presented for each population. U–Pb and Hf analyses laser spots are indicated by yellow circles, Hf differentiated by dashes.

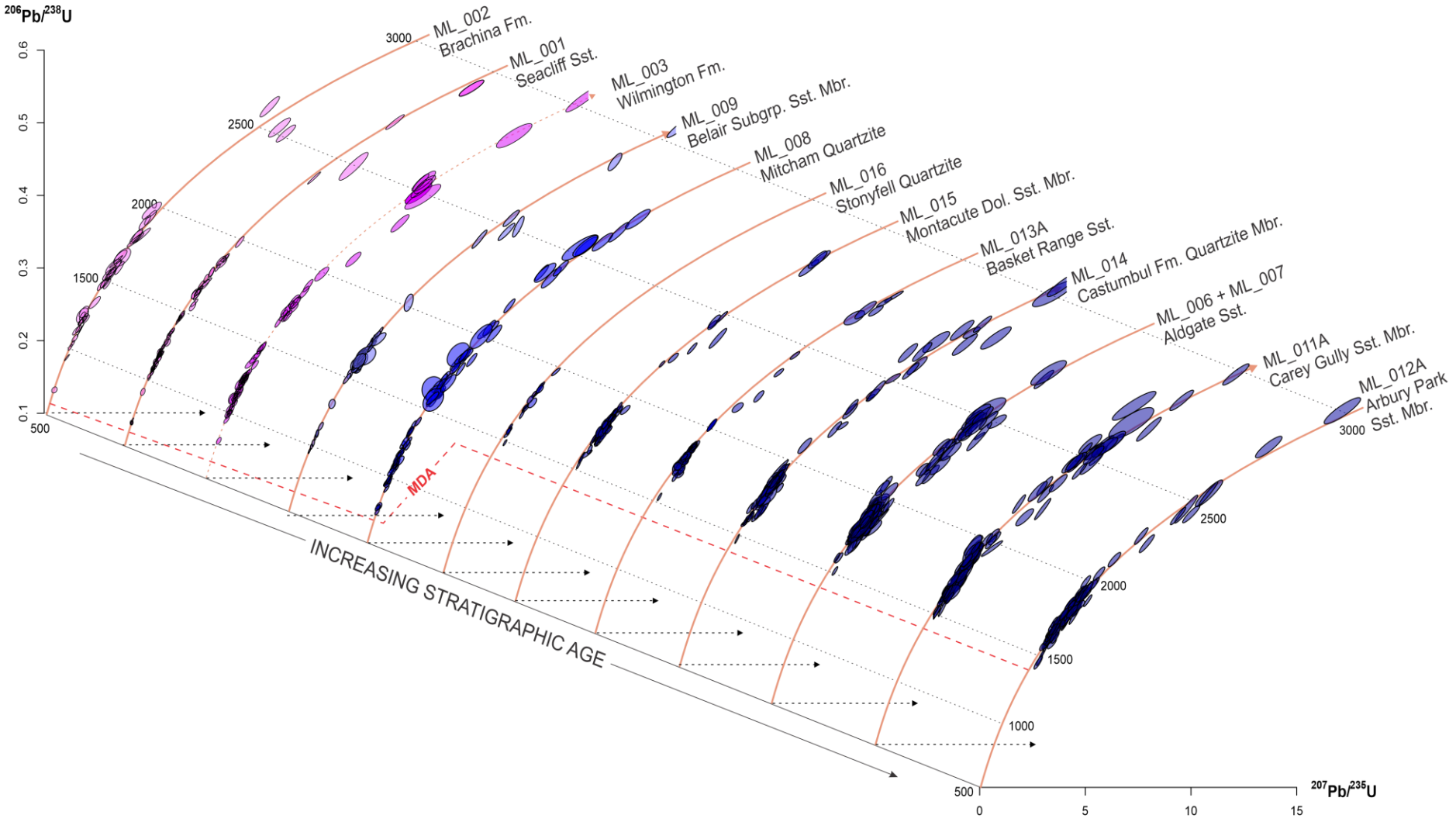


Figure 3. U-Pb Wetherill Concordia plots of all 90% concordant zircon grains from each sample. Dashed grey lines represent equivalent ages (Ma). Orange Wetherill curve with an arrow represents presence of data exceeding maximum graph constraint of 3000 Ma. Dashed red line indicates inferred MDA from data. A significant change in MDA can be observed at the deposition of the Mitcham Quartzite. Colours consistent with group and formations published by Lloyd et al. 2020. There is a noticeable decrease in the MDA at the Mitcham Quartzite. All original plots constructed with IsoPlotr (Vermeesch 2018).

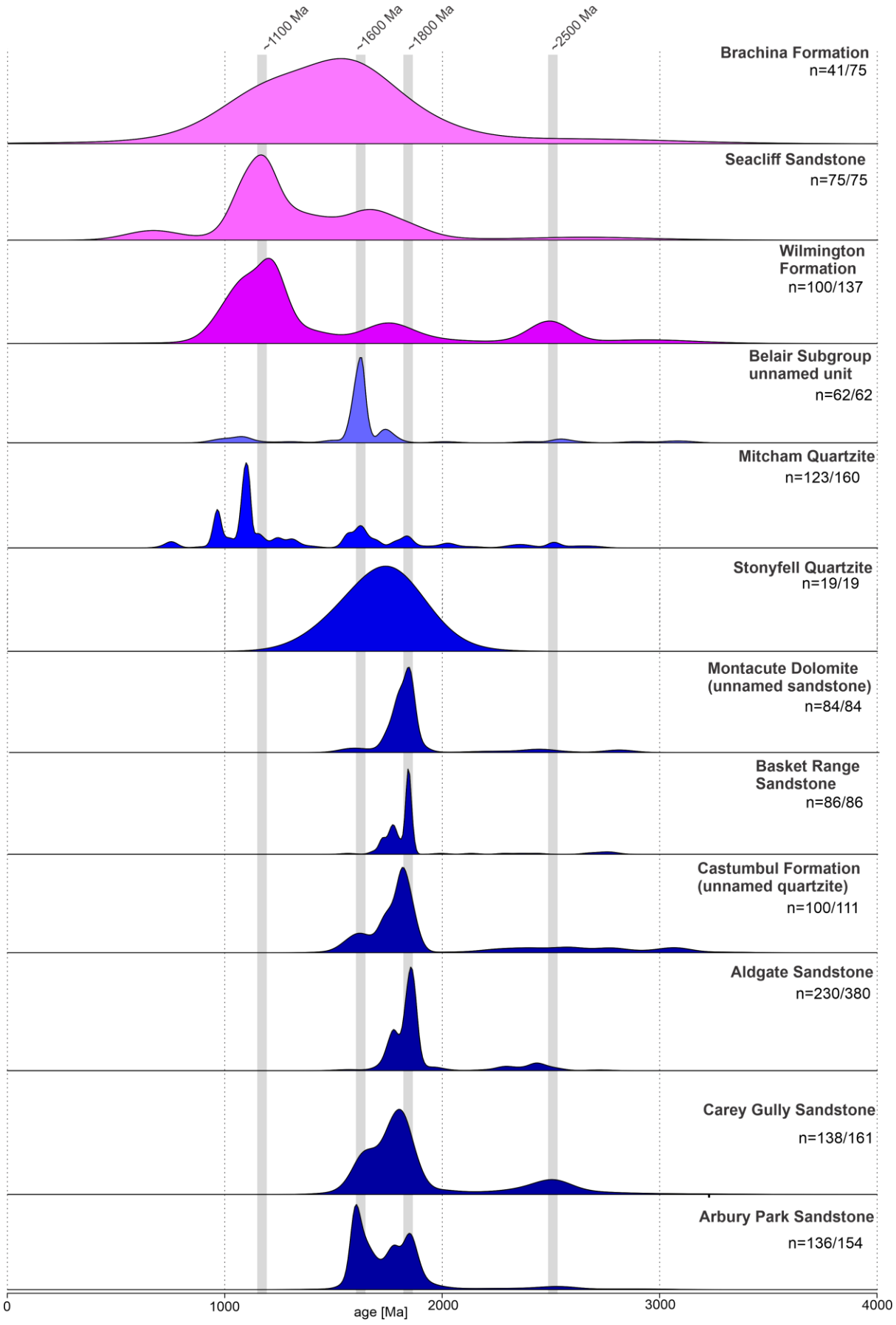

~1100 Ma
~1600 Ma
~1800 Ma
~2500 Ma
Brachina Formation
n=41/75
Seacliff Sandstone
n=75/75
Wilmington Formation
n=100/137
Belair Subgroup unnamed unit
n=62/62
Mitcham Quartzite
n=123/160
Stonyfell Quartzite
n=19/19
Montacute Dolomite (unnamed sandstone)
n=84/84
Basket Range Sandstone
n=86/86
Castumbul Formation (unnamed quartzite)
n=100/111
Aldgate Sandstone
n=230/380
Carey Gully Sandstone
n=138/161
Arbury Park Sandstone
n=136/154
0
1000
2000
3000
4000
age [Ma]

Figure 4. Kernel Density Estimate (KDE) plot for 90% concordant data from each sample. Peaks are highlighted grey with an age estimate. Colours consistent with group and formations published by Lloyd et al. 2020.

Rutile Geochronology and REE Analysis

Nine rutile grains were analysed from sample ML_014 (Appendix C). Grains vary from 150 to 350 µm in length (Figure 5). Of the 9 grains, all fall within 90% concordance and yield $^{207}Pb/^{206}Pb$ ages of between 1478 and 1694 Ma with a weighted average population of 1567 ± 24 Ma (MSWD = 0.22, n = 4). A single major peak is observed at ca. 1580 Ma. REE were also collected from rutile grains from Si to Hg (Appendix D). Nb concentrations provided an average of 4059 ppm across the 9 samples, and Cr was not recorded.

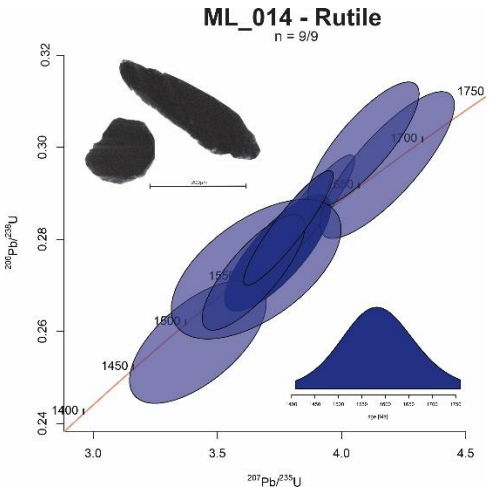


Figure 5. CL images, U-Pb Wetherill Concordia plot, and KDE plot for all 90% concordant detrital rutile grains from sample ML_014.

REE Analysis of Detrital Zircon

Trace elements have been measured and recorded from detrital zircon grains from each sample (Appendix B). Of those, rare earth element (REE) data have been plotted and can be visualised on spider plots (Figure 6), with colours relative to age. All data, both concordant (coloured) and discordant (grey) have been plotted to maximise identifiable trends.

The colour scheme indicates that samples ML_001, 002, 003, 008, and 009 each have similar detrital zircon ages with the majority of grains not exceeding 1700 Ma. The remaining

samples have few detrital zircons less than 1700 Ma in age and show a general increase in > 2000 Ma aged zircon down stratigraphy.

All samples show minor differences between zircon populations, with REE distribution patterns throughout the Burra and Umberatana groups being quite similar. Relative peaks are observed in Ce and Sm, while elements La, Pr and Eu are depleted. From Gd to Lu an increasing trend is observed, an enrichment of heavy REEs as opposed to light REEs.

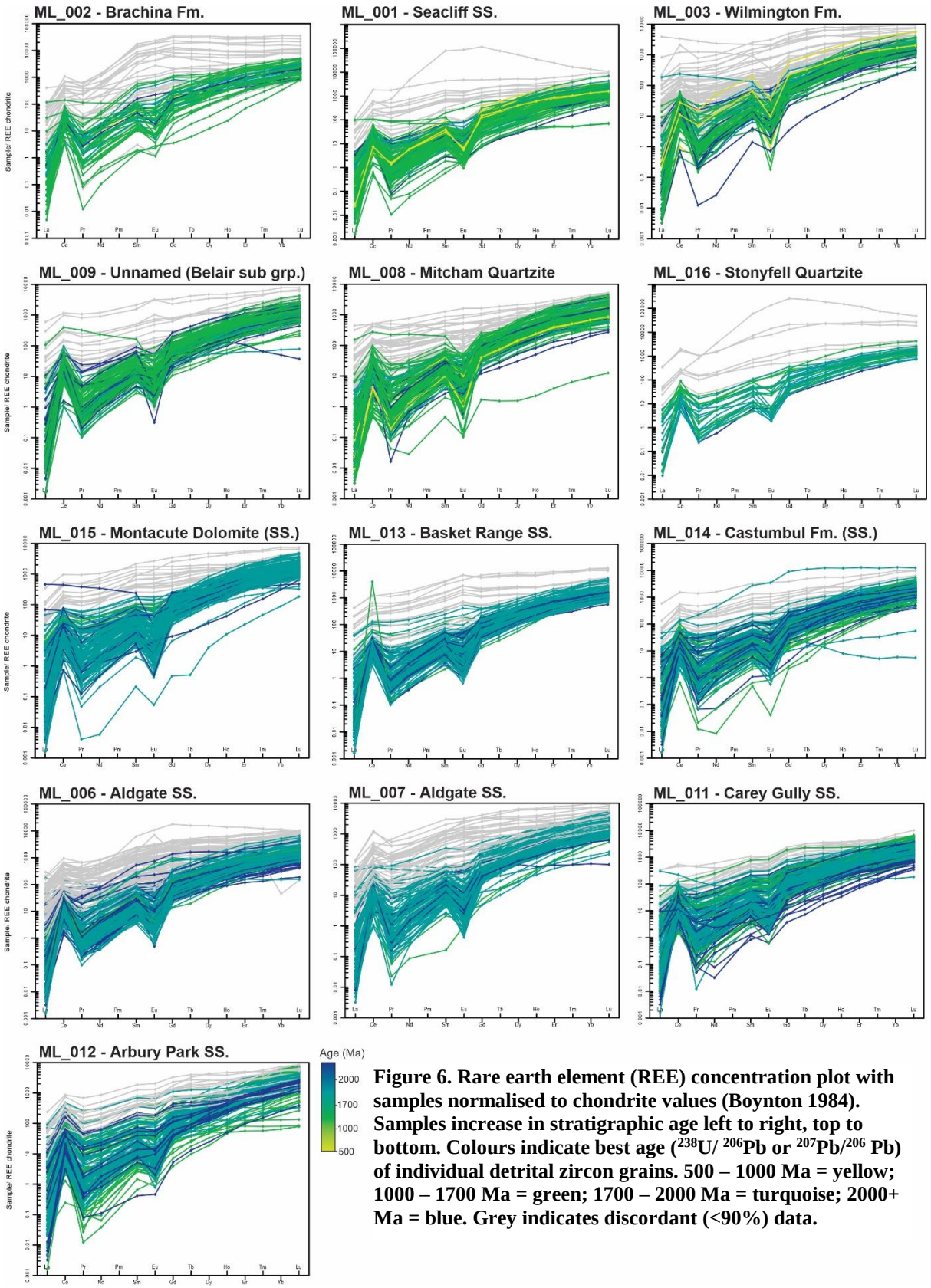


Figure 6. Rare earth element (REE) concentration plot with samples normalised to chondrite values (Boynton 1984). Samples increase in stratigraphic age left to right, top to bottom. Colours indicate best age ($^{238}U/^{206}Pb$ or $^{207}Pb/^{206}Pb$) of individual detrital zircon grains. 500 – 1000 Ma = yellow; 1000 – 1700 Ma = green; 1700 – 2000 Ma = turquoise; 2000+ Ma = blue. Grey indicates discordant (<90%) data.

The REE composition in zircon grains reflect concurrent growth of minerals. Garnet in the depletion of heavy REE (Schaltegger et al. 1999), monazite in the depletion of light REE

(Peucat et al. 1995) or feldspars where a negative Eu anomaly occur (Murali et al. 1983). Together with REE patterns, element composition of zircon can consequently provide insight into, and monitor coexisting paragenesis (Rubatto 2002). All samples indicate a chondrite normalised REE pattern (Figure 6) that is enriched in mid to heavy REE (Lu_n/Gd_n = 0.21 – 386.83). There is an extreme positive Ce anomaly (Ce/Ce* = 0.89– 454.44) due to very low concentrations of La and Pr (that exaggerate the anomaly) as well as a negative Eu anomaly (Eu/Eu* = 0.004 – 1.52).

Zircon Hafnium Isotopes

Lu–Hf isotopes were determined on detrital zircons for 10 of the 13 samples (Appendix E). Uncertainties for Lu–Hf isotope data are quoted at the 2σ level (Appendix B), and Lu–Hf data are displayed as εHf(t) against best U–Pb age (Figure 7). Hf-isotopic data and U–Pb ages of the Burra, Umberatana and Wilpena groups are combined along with potential stratigraphic and spatial correlations in order to analyse crustal evolution. Detrital zircon best ages are compared against εHf(t) to indicate possible source, and provenance regions.

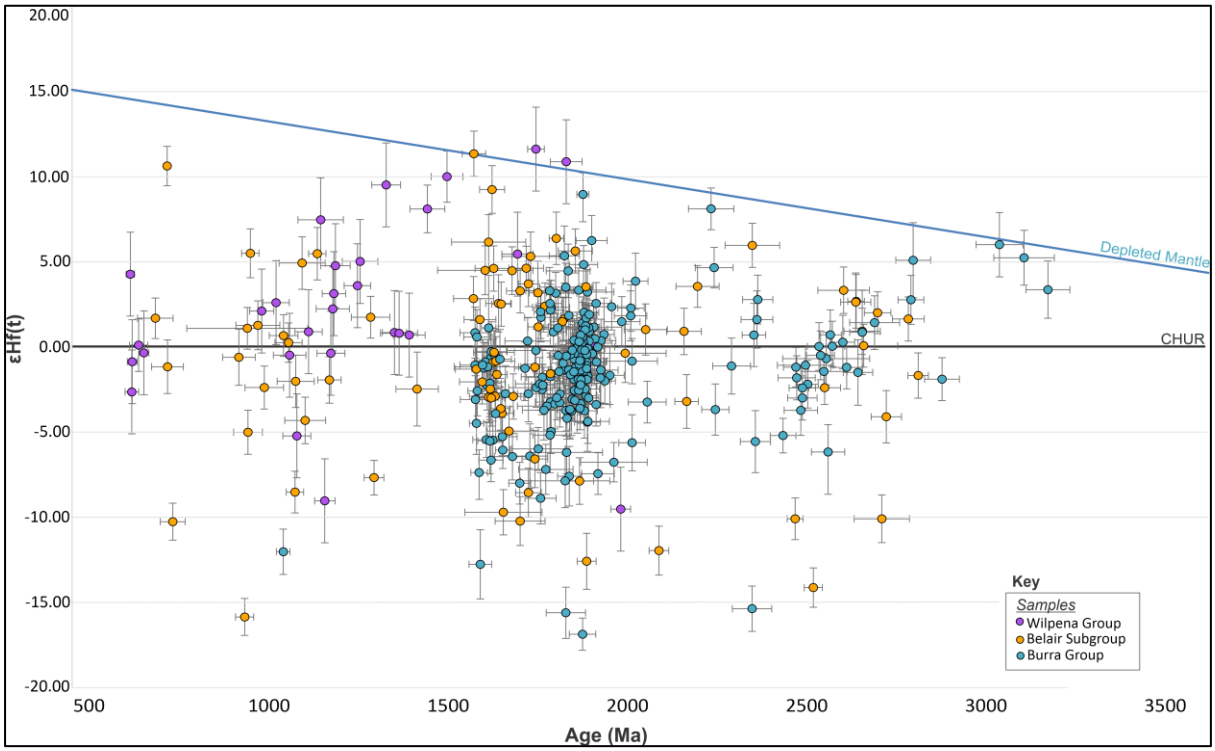


Figure 7. Epsilon Hf(t) values for samples coloured by group (excluding samples ML_003, 011, and 015 due to laboratory limitations). Detrital zircon grains are within 90% concordance and plotted against corresponding analysed 'best' age. 2σ error bars indicated for εHf(t) (y axis), and age (x axis). CHUR = chondritic uniform reservoir. Blue = Burra Group; yellow = Belair Subgroup; pink = Wilpena Group.

WILPENA GROUP

Four analyses were conducted on the Brachina Formation. These give a range of juvenile εHf values of +0.2 to +10 and provide an insight into ca. 1880 to 676 Ma-aged zircon. Twenty-eight analyses were undertaken on the Seacliff Sandstone sample with εHf values that range between -10 and +11.62. The youngest grains (n=6) with ages between ca. 690 and 654 Ma vary greatly with values between -10 to +4. Conversely, older zircons between ca. 1806 to 1254 Ma show only juvenile values of between +0.70 and +11.62.

BURRA GROUP:

Belair Subgroup:

Forty-one analyses were conducted on the zircons from the unnamed sandstone sample from the Belair subgroup. These give a range of εHf values from -12 to +16. Younger analyses with ages ca. 1562 and 1561 Ma both have εHf values of -2.4 and -2.1 respectfully. Following this, between ca. 1700 and 1578 Ma (n=20) there is a juvenile trend with values between +0.9 and +9. Forty-seven analyses were conducted on zircons from the Mitcham Quartzite sample. These give a range of εHf values from -16 to +11. The youngest 4 zircon grains range from ca. 766 to 720 Ma and have an evolved signature with εHf values of -13 to -0.90. Similarly, between ca. 1108 and 1008 Ma, all 5 zircons indicate evolved values between -16 and -0.6. Conversely, at ca. 971 to 9741 Ma 4 zircon analyses display juvenile values ranging from +2 to +6.

Bungarider Subgroup:

Nineteen analyses were undertaken on the Stonyfell Quartzite sample with εHf(t) values ranging from -12 to +8. Younger grains between ca. 1742 and 1565 Ma all indicate an evolved source with values between -0.5 and -3. From ca. 1867 and 1844 Ma values fall between +0.1 and +1 indicating a juvenile source for zircons within this population.

Mundallio Subgroup:

Forty-four analyses were conducted on samples from the Basket Range Sandstone. These give a range of εHf(t) values from -7 to +5. The youngest 3 zircon with ages of ca. 1798 to 1598 Ma have values of -3 to +2. Between ca. 1896 – 1800 Ma-aged zircon (n=34), a value range of between -7 and +2 is recorded.

Sixty-five hafnium analyses were collected from the unnamed sandstone of the Castumbul Formation. These give a range of εHf values from -8 to +9, with younger grains tending to have negative values, and a general increase in positivity is observed with increasing age. The 14 youngest zircons with ages between ca. 1706 and 1566 Ma all have values between -8 and +0.6. Conversely, older zircon yield juvenile εHf values. The oldest 3 zircons comprise ages between 3297 and 3016 Ma and have values between +3 and +9. Twenty-seven analyses from between ca. 1847 and 1738 Ma indicate a large spread of juvenile and evolved values with no clear pattern or tend from -5 to +5.

Thirty-four analyses were conducted on zircons from ML_007, and 45 from sample ML_006 of the Aldgate Sandstone. These give a range of εHf values from -17 to +4. Nineteen of the 79 analyses are juvenile with values ranging from +0.2 to +4.

Emeroo Subgroup:

Twenty analyses were conducted on the Arbury Park Sandstone Member sample. These provide εHf values between -13 and +6. The younger samples aged between ca. 1710 and

1571 Ma show an evolved crust signature ranging from -13 to -0.6. For the population between ca. 1977 and 1822 Ma there appears to be a random variation between juvenile and evolved crustal values with εHf values of between -3 and +2.

Mapping of the Belair Subgroup in Waite Conservation Park and Brown Hill Creek

Nine units have been identified in the mapping area at Waite Conservation Park and Brown Hill Creek area (Figure 8a, Figure 8d, Table 4). The Saddleworth Formation is the oldest of the mapped units and is characterised by laminated silts and interbedded fine sands. It underlies the Mitcham Quartzite, a very coarse-grained sandstone with minor quartz veining and a composition of quartz, k-feldspar and plagioclase.

Next are units 3 and 4, both are unnamed siltstone members of the Belair Subgroup and are differentiated by subtle compositional differences. Unit 4 was originally sampled (ML_010), however a lack of zircon made the sample redundant. Unit 5 is defined by an onset of felspathic and increased clay content whilst maintaining hardness due to high quartz content, a sort of gradational boundary between units 4 and 6. This is a silt to clay sized rock with dark orange laminations and a distinct lack of consolidation. The rounded peak of the hills are often characterised by this unit. Next, is unit 6 which was sampled as ML_009, and is observed as a very coarse to pebble-sized sandstone that forms a thin, but traceable ridge. Following is unit 7 a thin layer of interchanging silt and fine sand. Unit 8 is a fine-grained sand with subtle cross-beds, and lastly unit 9, is a poorly consolidated pale grey, clay-rich rock that presents structures such as c-s fabrics (Table 4).

Two faults transverse through the mapping area (Figure 8a). The largest, a ≥ 4 km-long NW-SE trending sinistral strike-slip fault. It has been interpreted to have displaced all 8 units (Figure 8c). The second fault runs along the axial trace of an antiform and is almost perpendicular to the first, with a N-S trend. It emplaces the Saddleworth and Mitcham

Quartzite formations relatively ‘up’ on the right of the fault, and the stratigraphic units relatively ‘down’ on the left in a normal or reverse fault setting (Figure 8b).

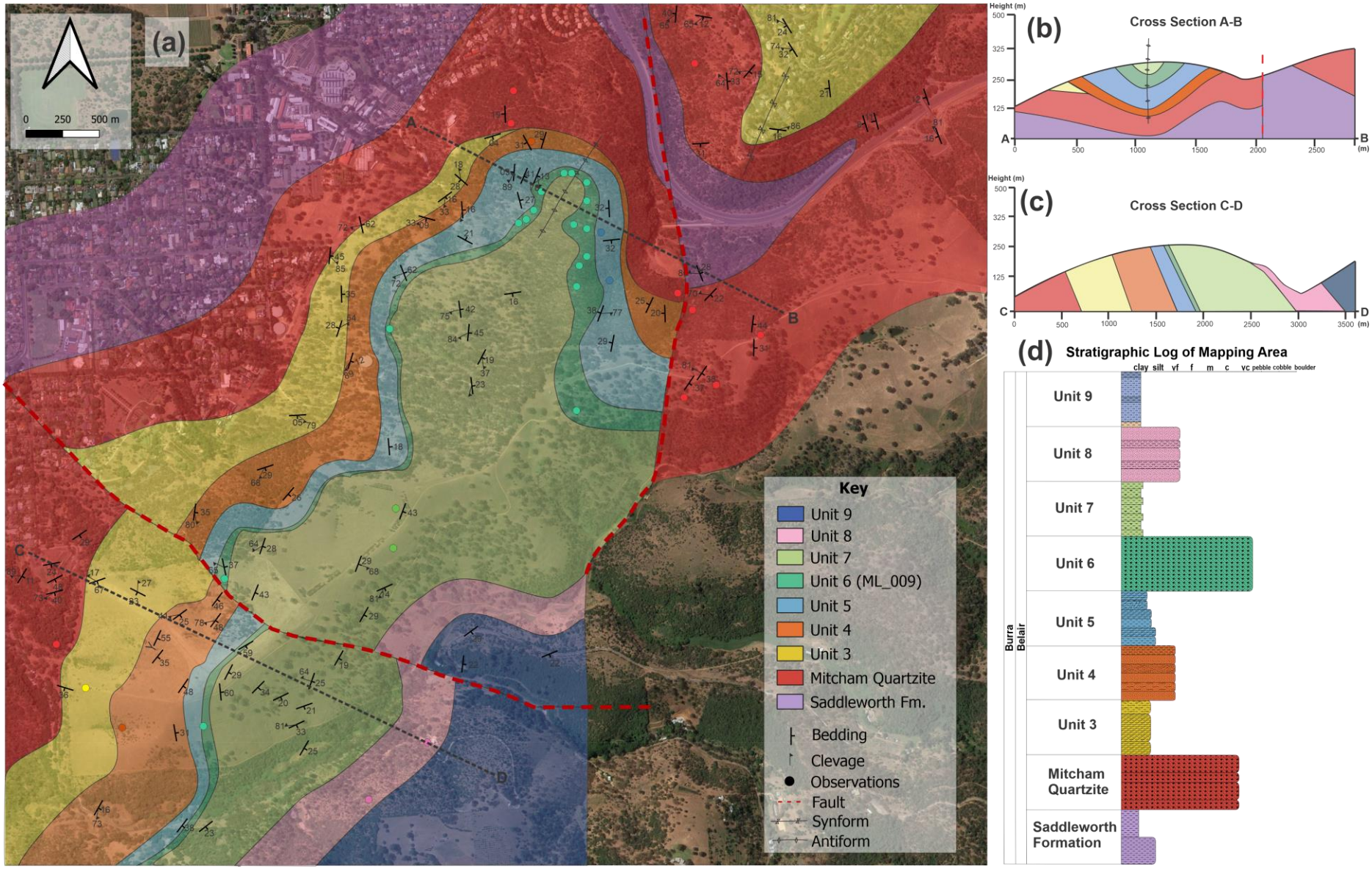
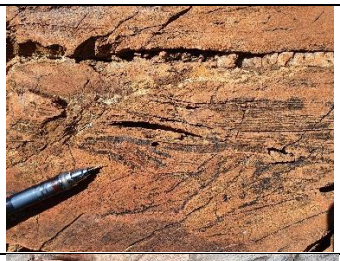
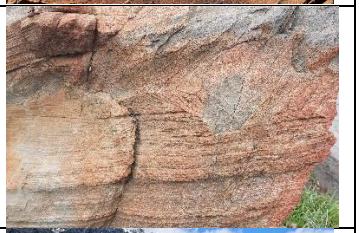


Figure 8. (a). Geological map of the Waite Conservation Park and Brown Hill Creek. (b) Cross section through northern antiform and fault (A-B). (c) Cross section through the stratigraphy in the south mapping area (C-D). (d) Stratigraphic long of mapping area with colours corresponding to map colours.

Table 4. Description of mapped units.

Unit	Description	Photo
Unit 8	Very fine clay to silt sized grains with C-S fabrics indicating shear sense. Very pale grey - yellow and poorly consolidated.	
Unit 7	Very fine to fine sand, grey on fresh surface and weathers red. Creates a prominent 10-metre-wide rib of cliff reasonably low in the valley.	
Unit 6	Very coarse to pebble sized sand, almost into conglomeritic in some areas with a number of cross-cutting quartz veins. Observed as a coarse ridge close to crest of the hill. Lack of defined beds, and intense weathering make readings difficult and often only observations made.	
Unit 3	Very pale orange- grey on fresh surface and weathers a brown-grey and clay sized grains. Fine dark orange laminations present, but not well consolidated, and often penetrated by plant root. Some fine 5 cm wide shale layers present. Slumped bedding.	
Unit 2/3	Feldspathic silt to fine sand with up to cm-scale beds and laminations of clay. Very pale grey-orange on fresh surface, pale pink to grey on weathered surface.	
Unit 2 (Unnamed sandstone/ Quartzite Sample)	Very fine to fine sand, grey on fresh surface and weathers red. Creates a prominent 10-metre-wide rib of cliff. Up to three distinct sections: one; bare, massive and mostly homogenous, two; fine sands with very fine heavy mineral laminations with small isolated hummocks, three; silt to very fine sand, with a lateral facies change towards silt, crossbedding and small 20 cm wide packages of mm-scale heavy mineral laminations present.	
Unit 1	Silt to very fine sand, grey on fresh surface, weathers red – orange. Gently folding/slumping in some areas, very fine laminations with some finning upwards in sets of about 10 cm.	
Mitcham Quartzite	Very coarse sand with few K-feldspar grains (~2%), plagioclase (~1%), and quartz (97%). Some minor quartz veining.	
Saddleworth Fm.	Very fine, clay to silt. Powdery to well consolidated in some areas. Pale grey-yellow on fresh surface with copper precipitate minerals (malachite) evident on surface. Weathered surface appears grey-brown.	

DISCUSSION

Age constraints on the deposition of the Burra, Umberatana & Wilpena groups of the South Mt Lofty Ranges

Detrital zircon grains are sediment derived from processes such as weathering and erosion of pre-existing rock. Different age peaks are observed for each sample (Figure 4) indicating a contribution from multiple sources that likely changed over time. Compared to previously published dates (Table 5), this study presents youngest grain ages that are similar but do not further constrain other than for the Mitcham Quartzite and Wilmington Formation samples. 8 of 13 samples have no pre-existing ages.

Sample	Formation (SMR)	YGA (Ma)	Error (± Ma)	YPA (Ma)	Error (± Ma)	Major Peak (Ma)	Minor Peak (Ma)	Published YGA (Ma)	Error (± Ma)	Source
	Bunyeroo Fm.							1041*	26	(Compston et al. 1987)
	ABC Range Qtzt.							622	24	(Keeman et al. 2020)
								630	16	(Lloyd et al. 2020)
ML_002	Brachina Fm.	676	24	1055	19	1812, 1580, 1162	3128, 2482, 738	609	64	(Compston et al. 1987)
ML_001	Seacliff Ss.	654	11	655.8	6.6	1201, 1084	2416, 1672, 702			
	Elatina Fm.							671	52	(Gehrels et al. 1996)
ML_003	Wilmington Fm.	677	25	927	13	1206, 1098	2810, 2533, 1743	688	8	(Lloyd et al. 2020)
	Tapley Hill Fm.							750	50	(Webb and Coats 1980)
	Sturt Tillite							673*	90	(Shahin 2016)
ML_009	Ss. of Belair Subgrp.	952	18	1069	14	1770	2419, 1600			
ML_008	Mitcham Qtzt.	720	21	755	12	1090	2653, 1817, 1638, 772	1053	42	(Ireland et al. 1998)
								975	15	(Preiss 2000)
ML_016	Stonyfell Qtzt.	1584	35	1601	11	1852, 1738, 1601	1985			
	Woolshed Flat Shale							789*	9	(Fabris et al. 2005)
ML_015	Unnamed Ss. Mbr. of Montacute Dol.	1596	17	1601	11	1847	2809, 1807, 1598			
ML_013	Basket Range Ss.	1621	19	1742	15	1952	1769, 2787			
ML_014	qtzt. Mbr. of Castambul Fm.	1536	17	1581	10	1851	2436, 1608, 1095			
ML_006	Aldgate Ss.	1608	42	1735	26	1848	2442, 1617, 1185			
ML_007	Aldgate Ss.	1557	28	1736	19	1849	2442, 1976, 1610			
ML_011	Carey Gully Ss. Mbr.	1546	25	1587	13	1851	2442, 1608, 1098	1053*	114	(Mackay 2011)
ML_012	Arbury Park Ss. Mbr.	1553	56	1564	24	1599	2577, 1852			

Table 5. Summary of sample best youngest grain age (YGA), and youngest population age (YPA) compared to published youngest grain ages as well as peak ages in stratigraphic order. Best ages are recorded as $^{206}Pb/^{238}U$ for < 1000 Ma and $^{207}Pb/^{206}Pb$ for >1000 Ma. SMR: South Mount Lofty Ranges. * = external equivalent. Groups are indicated by colour, Wilpena = light pink; Umberatana = dark pink; Burra = blue.

Within the Neoproterozoic of the Adelaide Superbasin there are two published tuff ages that act as absolute age constraints. The Rook Tuff of the Willouran Ranges, that is located towards the bottom of the Callanna Group at 802 ± 10 Ma (Fanning et al. 1986), and the Wilyerpa Formation that is located at the bottom of the Umberatana Group at 663.03 ± 0.11 Ma (Cox et al. 2018).

The Burra Group is constrained by it unconformably overlying the 812 ± 6 (Preiss et al. 2008) Mount Crawford Granite Gneiss in the Mount Lofty Ranges. Elsewhere, the basal Burra Group is marked by lavas of the Boucaut Volcanics that are dated at 788 ± 5 Ma (Armistead et al. 2020). Maximum depositional ages from this study yielded late Tonian ages from the Mitcham Quartzite and the overlying Belair Subgroup sample. The youngest MDA was from the Mitcham Quartzite where a 98% concordant zircon yielded a $^{206}Pb/^{238}U$ age of 720 ± 21 Ma. This value is further supported by a youngest population age of 755 ±12 Ma (MSWD =0.51, n=3). This is the youngest detrital zircon obtained from the Burra Group, both in this study and across published data.

The Umberatana Group is separated from the Burra by an unconformity (Preiss 2000) formed by the Sturtian Glaciation (ca. 717 to 660 Ma; Hoffman et al. 2017) and is constrained by a thin tuff layer from the overlying Wilyerpa Formation with a CA-ID-TIMS date of 663.03 ± 0.11 Ma (Cox et al. 2018). The Wilmington Formation has a previously published a weighted mean MDA of 688 ± 8 Ma (Lloyd et al. 2020), and a depositional population age of 654 ± 13 Ma (Ireland et al. 1998, Keeman et al. 2020) for the Marino Arkose member of the formation. (Lloyd et al. 2020) discusses however, that this MDA may be unreliable as it approaches the group age constraint. Maximum depositional ages from this study bore Cryogenian ages from the Wilmington Formation. The youngest zircon grain yielded a $^{206}Pb/^{238}U$ age of 677 ± 25 Ma with a 102% concordance. This is the youngest detrital zircon obtained from the Umberatana Group, and provides a new MDA compared to published data. This value is not

supported by a population however, the next youngest grain is dated at 776 ± 26 Ma. The youngest population is further reported to be 927 ± 13 Ma (MSWD = 1.01, n = 3).

The Wilpena Group was deposited during the Ediacaran from ca. 635 – 541 Ma (Keeman et al. 2020) with the maximum age being constrained by estimates for the end of the Marinoan Glaciation at ca. 635 Ma (Hoffman et al. 1998, Lloyd et al. 2020). The Brachina formation has a maximum deposition age constraint of previously published U-Pb zircon dating at 609 ± 64 (Compston et al. 1987) and ca. 610 Ma (Keeman et al. 2020) (Table 4). Prior to this study, remaining samples have not been dated through means other than through stratigraphic correlation. Maximum depositional ages from this study yielded late Cryogenian ages from the Brachina and Seacliff Fomations. The youngest zircon grain was from the Seacliff Formation and yielded a $^{206}Pb/^{238}U$ age of 654 ± 13 Ma with 93% concordance. Despite low a concordance value, this grain is part of a small population with a near-by $^{206}Pb/^{238}U$ age of 658 ± 18 Ma with a 100% concordance value that validates the youngest zircon grain age.

PROVENANCE OF SEDIMENTS OF THE ADELAIDE RIFT COMPLEX

Sedimentary rocks from the Adelaide Superbasin have previously been described to have Musgrave Orogen-sourced, Mesoproterozoic detrital zircon ages (Gehrels et al. 1996, Ireland et al. 1998, Keeman et al. 2020, Lloyd et al. 2020). This appears to be true for the Umberatana group rocks from this study, the Burra Group however were deposited prior to the Sturtian Glaciation and thus conform to studies that suggest a greater provenance from the Gawler Craton and Curnamona (Lloyd et al. 2020) (Figure 5.1).

Gawler Craton:

The Gawler Craton is the largest geological province in South Australia and is located west of the Adelaide Rift complex. It preserves detrital zircon of up to 3400 Ma (e.g. Fanning et al. 2007). At the interval of ca. 2560 to 2500 Ma occurs the Mulgathing Complex (Cowley and

Fanning 1991). At between ca. 2850 and 2510 Ma, with minor components of ages between ca. 3150 and 2950 Ma occurs the Sleaford Complex (Hand et al. 2007, Swain et al. 2005) that have εHf +8 to -2 and the ca. 1850 -1830 Ma Cornian Orogeny caused the emplacement of the ca. 1850 Ma Donington Suite (Reid et al. 2008) with a εHf ranging from +10 to −8 (Belousova et al. 2009).

The Gawler Craton further records events during the interval ca. 1770 to 1740 Ma (Hand et al. 2007) representing the deposition of the ca. 1767 Ma Price Metasediments (Oliver and Fanning 1997), the ca. 1760 – 1740 Ma Wallaroo Group (Cowley et al. 2003), the ca. 1756 Ma Moonabie Formation (Jagodzinski 2005), the ca. 1740 Ma McGregor Volcanics (Fanning et al. 1988) and ca. 1742 Ma sediments within the Mount Woods inlier (Fanning et al. 1988). The ca. 1630 – 1604 Ma St Peter Suite records juvenile Hf-isotopes (Flint et al. 1990, Keeman et al. 2020), and the ca. 1595–1575 Ma Gawler Range Volcanics/ Hiltaba Suite granites an εHf of +5 to−6. These values reflect variable crust contribution (Allen and Etienne 2008, Belousova et al. 2009, Flint et al. 1993, Keeman et al. 2020, Wade et al. 2012)

Curnamona:

The Curnamona Province is located to the north-east of the South Mount Lofty Ranges of the Adelaide Superbasin. Crustal extension and deposition of the Willyama supergroup occurred between ca. 1720 and 1640 Ma (Conor and Preiss 2008), but preserves populations of ca. 3000 – 2980 Ma, and ca. 2680 – 2650 Ma (Reid et al. 2014). The Olarian Orogeny produced ca.1600–1550 Ma granites and volcanics (Elburg et al. 2012, Jagodzinski and Fricke 2010, Page et al. 2000) and the Ninnerie Supersuite and Radium Creek Group provide similar ages (Armit et al. 2014, Lloyd et al. 2020, Wade 2011).

Barossa Complex:

Rutile Data were collected from the Unnamed Quartzite Member of the Castambul Formation and all grains record an age of between 1552 ± 39 and 1598 ± 20 Ma. The similar age suggests that all grains originated from a particular metamorphosed region. In addition to U-Pb dating, REE data collected from rutile can be used to infer temperatures using thermometry. This is difficult however as samples are sedimentary so it is unknown if they grew in equilibrium with zircon and quartz. Zr content in a detrital rutile provides an estimate for the minimum temperature experienced by the source rock if it can be demonstrated that zircon and quartz are in their excess phases (Zack et al. 2004). Rutile from such rocks are characterised by a Cr content of <1000 ppm, and a Nb content between 900 and 2700 ppm (Zack et al. 2004). Nb concentrations from this study provided an average of 4059 ppm, Zr an average of 501 ppm across the 9 samples, and Cr was not recorded. In contrast to zircon, rutile is not stable at metamorphic conditions exceeding sub-greenschist facies (Meyer et al. 2011). Provenance information derived from detrital rutile is generally related to the last medium to high-grade metamorphism, and has not undergone multiple recycling during orogenies. During the Mesoproterozoic metamorphism was comparatively rare (Morrissey et al. 2013) and subsequently the source is limited to a small number of regions. The Barossa Complex is an exposed segment of pre-Neoproterozoic Australia located immediately adjacent to the Tasman Line. It was affected by high grade metamorphism between 1590–1580 Ma Szpunar et al. (2007), but studies by Morrissey et al. (2013) suggest a younger range between 1580–1550 Ma for the Myponga and Houghton Inliers. Despite a lack of Hf isotope values to compare to, it is likely that the Barossa Complex contributed to the sediment input of early Burra group samples.

Albany-Fraser Orogen:

Deformation of the Albany-Fraser Orogen of Western Australia extends into south-eastern margin of the Yilgarn Craton. It represents the continent-continent collision during the Mesoproterozoic of the Yilgarn Craton and the South Australian- East Antarctic cratons (Jones 2006). Albany-Fraser Orogen has a Ca. 2800 – 2200 Ma phase with εHf values ranging from +5 to −6 (Kirkland et al. 2015a, Kirkland et al. 2015b).

Musgrave Province:

The Musgrave Province in central Australia is located north-west of the Adelaide Superbasin. It is 800 km long, 350 km wide and trends east-west. The region is composed of Mesoproterozoic to Neoproterozoic aged lithologic units (Wade et al. 2008). The Pitjantjatjara Supersuite contain granites which typically record a range of ages from ca. 1400 to 1200 Ma with εHf values from 0 to +9. While the Warakurna Supersuite has an age range of ca.1085 to 1050 Ma with εHf of approximately -1 to +4. A mantle extraction event at ca. 1900 Ma defines the Musgrave Province basement (Kirkland et al. 2013).

East Antarctica:

East Antarctica, despite having most of the age and isotopic components of other Australian sources (Keeman et al. 2020) provide some autochthonous sediment. The ca. 700 – 500 Ma Prydz-Leeuwin Belt has a εHf of +15 to−24 which indicates a combination of new crust and the reworking of ancient crust (Veevers and Saeed 2013). Older part of the Ross Orogen date ca. 610 – 540 Ma. These ages are likely too young to account for the 772 – 700 Ma peak observed in the youngest two Umberatana Group formations as well as the Mitcham Quartzite sample. Lloyd et al. (2020) described that sources of the late Tonian to early Ediacaran zircon are difficult to determine due to lack of local source, but an Antarctic provenance still cannot be discounted due to limitations by cause of ice-cover.

Local:

At ca. 800 Ma occour the first local sources of felsic magmatism (Fanning et al. 1986). Source for late Tonian to early Ediacaran zircons are difficult to determine as there are no known local sources. At ca. 790 –780 Ma, ca. 663 Ma (Cox et al. 2018, Fanning et al. 2007), and at ca. 580 Ma (Black 2007) there is evidence for minor volcanism (Preiss et al. 2008). However there is little evidence for a local source large enough to present detrital zircon from this region (Lloyd et al. 2020).

SAMPLE PROVINCE

Province for samples from this study are suggested from the combination of U-Pb zircon and rutile dating, Hf isotope and REE data. Zircon populations close to the depositional age of the Burra group are mostly absent which suggests a limited sourcing of syndepositional magmatic (or local) zircon grains (Lloyd et al. 2020). The Belair subgroup, Umberatana and Wilpena Groups on the other-hand contain youngest zircon grain ages close to the stratigraphic deposition age. This, along with zircon population distributions act as evidence to suggest there is a major change in source of the Belair Subgroup as compared to that of the older Burra Group (Figure 3, Figure 4). This reflects an alternate siliciclastic source that is not present in the North Flinders Ranges. The zircon grains are therefore likely to be derived from a southern source that did not deposit anything in the north as indicated in Table 1. Additionally, the Belair Subgroup may represent the transition into the basin's sag phase explaining the sudden presence of close to deposition aged zircon populations.

The multidimensional Scaling (MDS) plot (Figure 9) is a provenance analysis tool (Vermeesch et al. 2016) that allows for the comparison of similarities and dissimilarities of U–Pb age data sets. The Kolmogorov-Smirnov (K–S) test quantifies the dissimilarity between age distributions such that samples that are similar will plot close together and dissimilar

groups will plot away from each other. Members of the Wilpena and Umberatana groups, along with the Mitcham Quartzite and Belair Subgroup sandstone samples plot together on the left, while remaining members of the Burra group plot together on the right (Figure 9). This suggests that provenance remained relatively similar throughout the Tonian period with a distinct population of ca. 1700 – 1500 Ma aged detrital zircon until the deposition of the Mitcham Quartzite. From this point and until at least the deposition of the Brachina group, younger ca. 950 – 600 Ma and ca. 1500 – 900 Ma-aged detrital zircon populations dominated. Small variations within these two groups are likely due to slight regional variation or error from a minimised sample size.

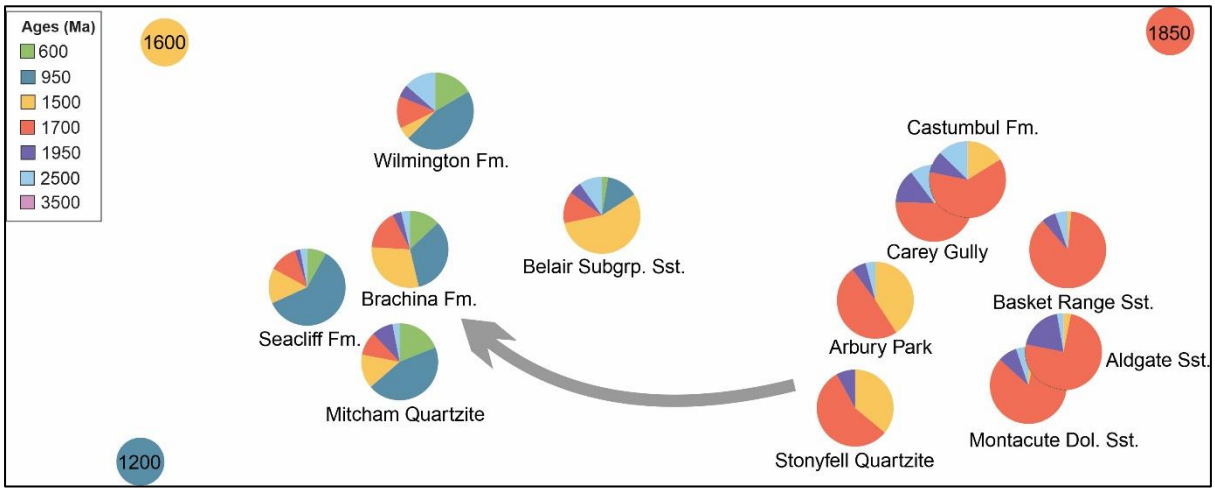


Figure 9. Non- metric multidimensional Scaling (MDS) Plot of sedimentary samples from the Burra and Umberatana groups. This plot represents relative similarities of all data to each other such that samples containing similar aged zircon will plot close to each other. Colours of the pie charts represent major peaks in the data as estimated by KDE plots. Small coloured circles indicate how close each sample plots to major peaks with the number recorded in Ma. The arrow points in the direction of stratigraphic up and shows a distinct change in detrital zircon ages at the deposition of the Mitcham Quartzite.

All samples contain a peak at 1640 – 1580 Ma, although it is most prominent in the unnamed sandstone of the Belair subgroup, unnamed quartzite of the Castumbul formation, Carey Cully Sandstone Member, and Arbury Park Sandstone Member samples. This age range has εHf values between -7 and +6 conforms well to dates and Hf isotope values of the Gawler Craton and Curnamona Province.

Another major peak occurs at ca. 1850 Ma with εHf +10 to -8 from across all samples and is recorded very consistently until after the deposition of the Mitcham Quartzite (Figure 10). These results coincide very well with the Gawler Craton's Donington Suite (Reid et al. 2008). A third major peak is observed at 1185 – 1085 Ma with εHf +5 to -1 throughout all Wilpena and Umberatana groups, and down into the late Burra, with the Mitcham Quartzite hosting the oldest peak. Provenance of these zircon coincide in both age and εHf values for the Pitjantjatjara and Warakurna Supersuites of the Musgrave Province.

A minor peak is observed at ca. 2500 Ma with a εHf of between 0 and -10 and at ca. 3100 Ma with a εHf of +3 to +5 throughout the Burra Groups. These values are consistent with Gawler Craton. Additionally, predominately Burra Group samples at ca. 2450 Ma present εHf of +0.3 to -10 which fall within a range that correlates to the Gawler Craton's Sleaford Orogeny as described by Reid et al. (2014). Younger samples of the Burra group from this study present a peak at ca. 1770 – 1738 Ma with a εHf of +3 to -12, which largely conform to presented dates of the 1770 to 1740 Ma events in the Gawler Craton (Figure 10).

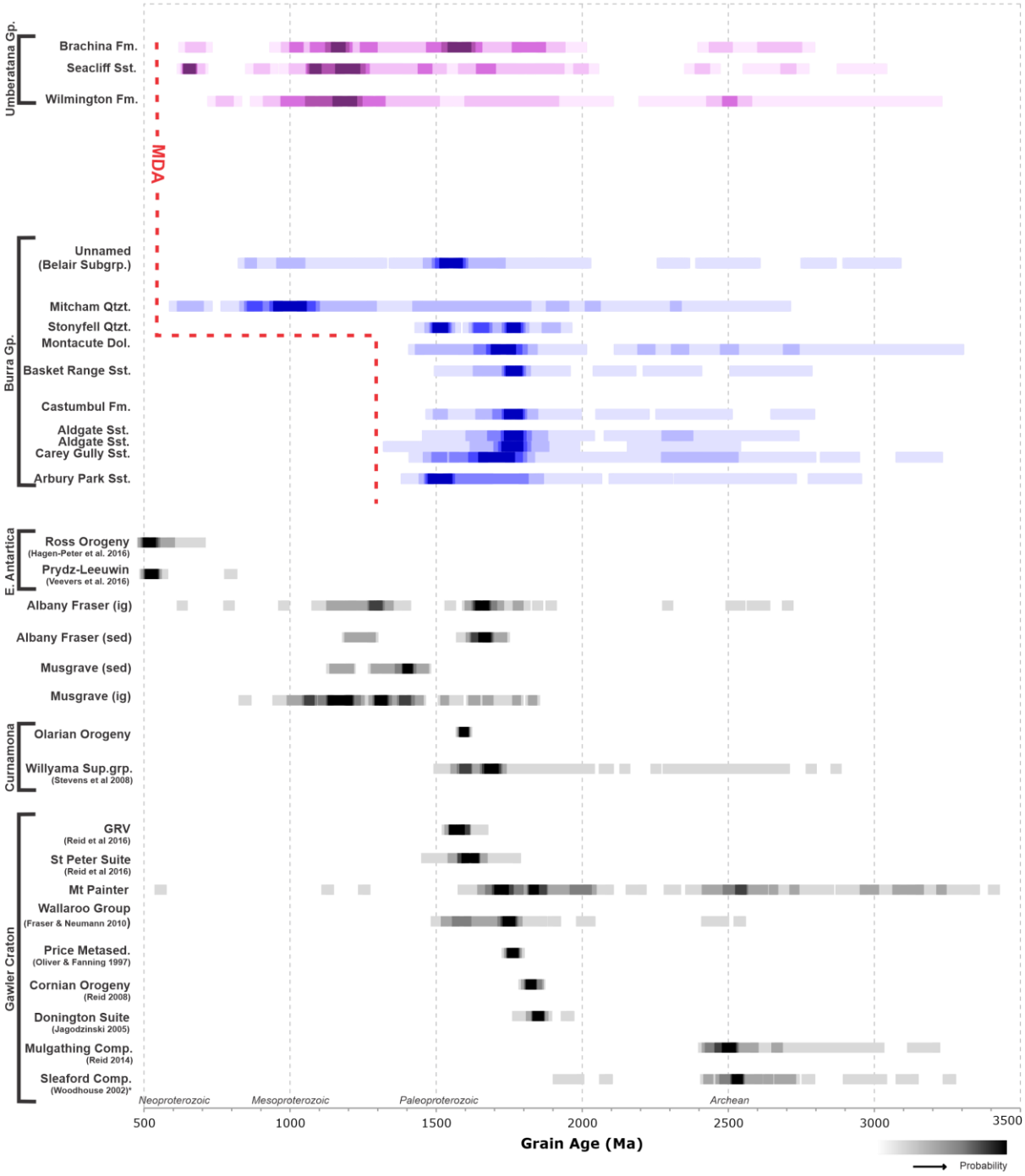


Figure 10. Multi sample probability distribution plot (PDP) signifying variation in dominant detrital zircon ages from the Burra (blue) and Umberatana (pink) groups. Probabilities are illustrated by colour density: with darker colours indicating a higher probability. MDA line indicates distinct change at the deposition of the Mitcham Quartzite. Black coloured samples represent comparative data. MDA: maximum deposition age; Gp= group; Fm= formation; Sst = sandstone; Qtzt = quartzite; Dol = Dolomite *internal honours paper. Generated using FitPDF (Eglington, 2018).

Overall, samples from this study are consistent with the consensus that early Mesoproterozoic and older zircon populations from pre-Sturtian formations are sourced from the Gawler

Craton, Curnamona (Lloyd et al. 2020), and Barossa Complex (Figure 11a, Figure 11b). Similarly, Burra group rocks from this study largely present detrital zircon ages much older than true depositional age, as would be expected from non-volcanic regions (Cawood et al. 2012).

Provenance for the Belair Subgroup, Umberatana and Wilpena Groups includes further away sources such as the Albany Fraser and Musgrave Orogen sediments as well as minor influences from younger East Antarctic and/or local sources (Figure 11c). This is consistent with significant trends detailed by Lloyd et al. (2020) with younger detrital zircon populations becoming more prevalent as the formations young as compared to formations within the Burra group.

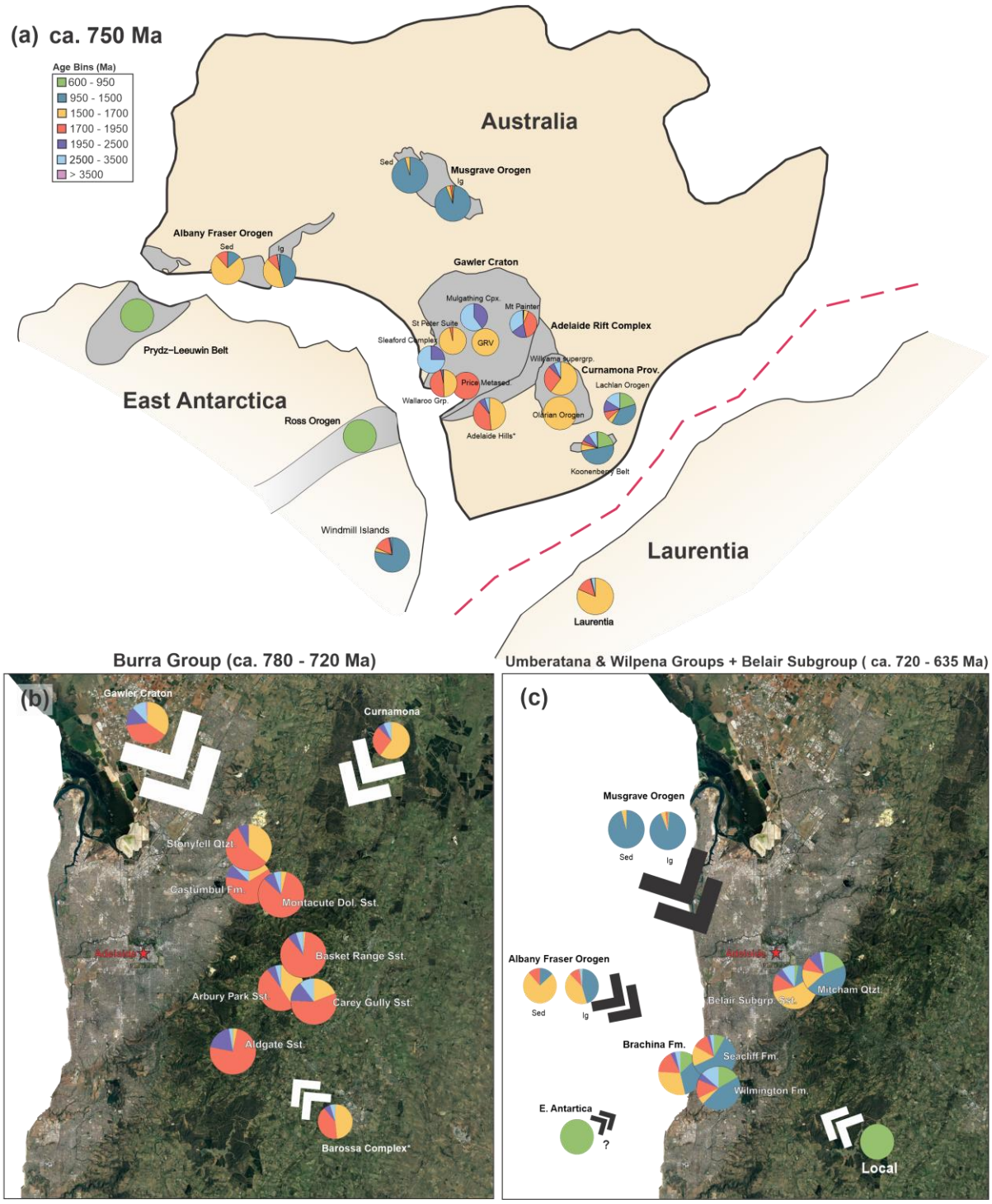


Figure 11. (a) Provenance regions mapped based on location and visualised with pie charts where colours are indicative age of zircon population and size of arrow indicates significance of sediment source. Grey areas indicate relative shape, distance and size of provenances. Igneous (ig) and Sedimentary or metasedimentary (sed) zircon are plotted separately where applicable. The red dashed line infers rifting of Laurentia from Australia- East Antarctica based on a number of hypothesised models such as SWEAT, AUSWUS and AUSMEX. (b) Pie-chart for detrital zircon ages from samples in this study from the Burra Group, excluding Belair subgroup. The Gawler Craton and Curnamona act as dominant influences for the Burra Group. (c) Pie-chart for detrital zircon ages from samples in this study from the Wilpena and Umberatana Groups and Belair Subgroup with probable provenance sources indicated. It can be observed that during the deposition of the Umberatana and Wilpena groups, the Musgrave and Albany Fraser Orogens, Local rift-shoulder sediments and potentially East Antarctica act as sediment sources. Satellite Map of Adelaide from Google Earth.

U–Pb ages and Hf-isotopic data are combined for the Burra and Umberatana groups, with potential stratigraphic and spatial correlations presented. Analysis of provenance and hence crustal evolution of the South Mount Lofty region infer for the larger Adelaide Superbasin. The εHf(t) values from samples collected in this study vary between the Wilpena Group and Umberatana Group, and the Burra Group. Interestingly while there is some difference, Belair Subgroup samples have similar εHf(t) values to other Burra Group formations. However, when plotted against grain age, the Mitcham Quartzite in particular continues to show a much younger provenance (Figure 12). Which continues to suggest that the Belair Subgroup has a province that differs from both the Umberatana and Burra Groups.

The Gawler Craton can be observed to have the most influence as a sedimentary source over majority of the samples in the Burra Group. The Umberatana and Wilpena groups, while also inclusive of Gawler Craton sediment, continue to indicate towards the Musgrave and Albany Frazer orogens as a major region of source (Figure 12).

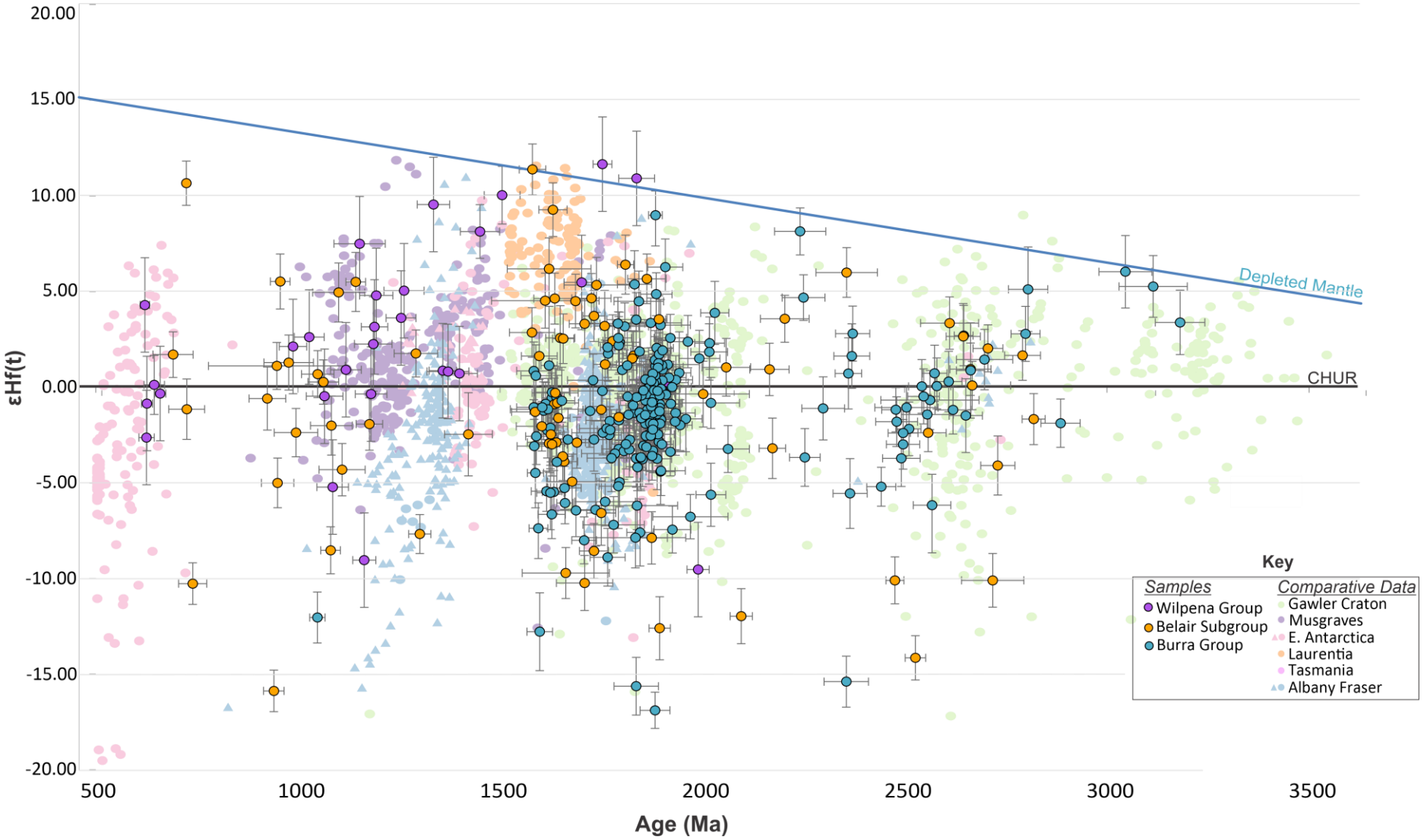

20.00
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
εHf(t)
500
1000
1500
2000
2500
3000
3500
Age (Ma)
Depleted Mantle
CHUR
Key
Samples
Wilpena Group
Belair Subgroup
Burra Group
Comparative Data
Gawler Craton
Musgraves
E. Antarctica
Laurentia
Tasmania
Albany Fraser

Figure 12. Epsilon Hf(t) values for samples (excluding ML_003, 011, and 015) using detrital zircon grains within 90% concordance and plotted against corresponding analysed best age. Vivid and outlined spots indicate readings from analysed samples. 2σ error bars indicated for εHf(t) (y axis), and age (x axis). Pastel spots indicate published Hf isotope data from a number of studies and provenances. Triangle spots = igneous; circular spots = sedimentary or metasedimentary. CHUR = chondritic uniform reservoir.

Mt Lofty Ranges compared to the rest of the Adelaide Superbasin

Previous studies that analysed detrital zircon provenance of sedimentary rock in the Adelaide Superbasin observed consistent source form the Musgrave Orogen. Formations deposited prior to the early Neoproterozoic have zircon populations derived from the Gawler Craton and Curnamona Province, and few zircon originated from sources close to the age of deposition (Cawood et al. 2012). In the study by Lloyd et al. (2020) a large number of Adelaide Superbasin Neoproterozoic sediments in the North Flinders Ranges were analysed to suggest that younger populations become significantly more prevalent as formations young, early Mesoproterozoic populations are less abundant in younger formations, late Mesoproterozoic ages decrease up stratigraphy, and Eoarchean to Paleoarchean zircons are more abundant in the youngest formations.

Data from this study only conform to the observation that younger populations become more prevalent as formations young (Figure 13). It contradicts that early Mesoproterozoic populations are less abundant in younger formations (Figure 4), and for most Burra group samples no zircon originated from sources close to the expected age of deposition. Late Mesoproterozoic populations are only present in the Wilpena Group, Umberatana Group, and the Belair Subgroup which continues to oppose previous studies. Only 3 concordant Eoarchean to Paleoarchean aged zircon grains are present across all samples, however all are from late Burra Group formations.

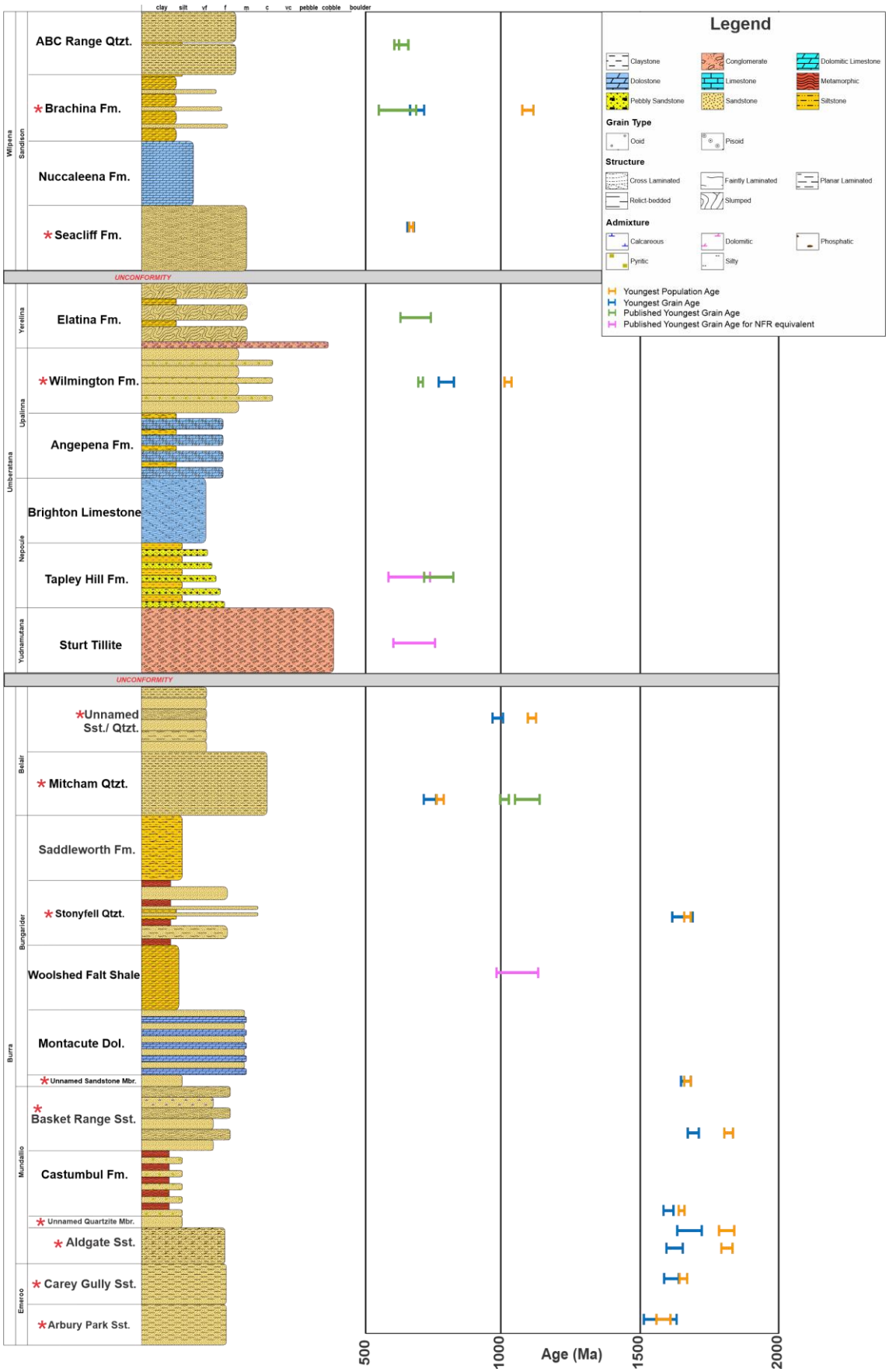

clay silt vf f m c vc pebble cobble boulder
Wilpena
Sandison
ABC Range Qtzt.
*Brachina Fm.
Nuccaleena Fm.
*Seacliff Fm.
UNCONFORMITY
Umberatana
Yerelina
Elatina Fm.
Ligalinna
*Wilmington Fm.
Angepena Fm.
Brighton Limestone
Nepouie
Tapley Hill Fm.
Yudnamutana
Sturt Tillite
UNCONFORMITY
Burra
Belair
*Unnamed Sst./ Qtzt.
* Mitcham Qtzt.
Bungarider
Saddleworth Fm.
* Stonyfell Qtzt.
Woolshed Falt Shale
Montacute Dol.
*Unnamed Sandstone Mbr.
Mundallio
* Basket Range Sst.
Castumbul Fm.
*Unnamed Quartzite Mbr.
* Aldgate Sst.
Emeroo
* Carey Gully Sst.
*Arbury Park Sst.
Legend
Claystone
Conglomerate
Dolomitic Limestone
Dolostone
Limestone
Metamorphic
Pebbly Sandstone
Sandstone
Siltstone
Grain Type
Ooid
Pisoid
Structure
Cross Laminated
Faintly Laminated
Planar Laminated
Relict-bedded
Slumped
Admixture
Calcareous
Dolomitic
Phosphatic
Pyritic
Silty
Youngest Population Age
Youngest Grain Age
Published Youngest Grain Age
Published Youngest Grain Age for NFR equivalent
500
1000
1500
2000
Age (Ma)

Figure 13. Stratigraphic Log of formations and sampled members from the Wilpena, Umberatana, and Burra groups of the south Mount Lofty Ranges with lithologies and features based on descriptions from the Australian Stratigraphic Units Database (reference) where applicable. Sampled units indicated by red *. Gp: group; Fm: formation; Sst: sandstone.

CONCLUSIONS

Detrital zircon and rutile U–Pb, Lu–Hf isotopic values, REE trace elemental data, and mapping of the Belair Subgroup presented in this study provide new constraints on the age, provenance and tectonic geography of the South Mount Lofty Region of the Adelaide Superbasin. The main conclusions and suggestions from this study are:

- New zircon U-Pb constraints on the maximum depositional ages for 13 samples across the Burra, Umberatana and Wilpena groups. The Mitcham Quartzite has been re-defined from a published youngest grain age of 1053 ± 42 Ma (Ireland et al 1998) with a new youngest grain age of 720 ± 21 Ma. Ages have been determined for the first time for the Seacliff sandstone, the unnamed sandstone of the Belair subgroup, the Stonyfell Quartzite, the unnamed sandstone member of the Montacute Dolomite, the Basket Range Sandstone, the quartzite member of Castambul Formation, the Aldgate Sandstone, and the Arbury Park sandstone.

- The source of the Belair Subgroup is different from that of older Burra Group members. This reflects a new siliciclastic source that are not found in the North Flinders Ranges suggesting that they are derived from a southern source that did not deposit anything in the north. A south-derived, sediment source is consistent with young zircon populations from local sources. Additionally, a young sediment source and a large spread of age is consistent with input expected at a transition into the sag-phase of the Basin.

- Hf isotope values and U-Pb ages indicate a single distinct change of provenance between the Burra and younger groups. The Gawler Craton, Curnamona, and Barossa Complex are likely sediment sources for the Burra Group. The Musgrave Province, Albany Fraser Orogen, and local or East Antarctic regions are likely provenance for sediments for the Umberatana and Wilpena groups, along with the Belair Subgroup samples.

- Mapping contributed to confirming that the Mitcham Quartzite and the unnamed sandstone of the Belair subgroup have previously been described stratigraphically correct. Additionally, this area had not previously been mapped in this level of detail and a number of structural features such as faults and folds have been documented in this area for the first time.

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APPENDIX A: U-PB AGE DATA

Sample	Analysis	206Pb/238U Age (Ma)	Error[06/38] 2σ	207Pb/206Pb Age (Ma)	Error[07/06] 2σ	Concordance [06/38][07/06]
ML_001	ML_01 - 001	1462	30	1453	57	101
ML_001	ML_01 - 002	1435	18	1464	34	98
ML_001	ML_01 - 003	1184	21	1243	52	95
ML_001	ML_01 - 004	1857	24	1886	35	98
ML_001	ML_01 - 005	1398	15	1386	21	101
~~ML_001~~	~~ML_01 - 006~~	~~708~~	~~13~~	~~2495~~	~~47~~	~~28~~
ML_001	ML_01 - 007	1074	16	1086	23	99
~~ML_001~~	~~ML_01 - 008~~	~~1080~~	~~47~~	~~1381~~	~~71~~	~~78~~
ML_001	ML_01 - 009	1088	18	1087	25	100
ML_001	ML_01 - 010	1794	26	1841	21	97
ML_001	ML_01 - 011	1084	19	1119	33	97
~~ML_001~~	~~ML_01 - 012~~	~~1162~~	~~31~~	~~1950~~	~~26~~	~~60~~
ML_001	ML_01 - 013	1460	25	1503	34	97
ML_001	ML_01 - 014	1048	23	1127	27	93
ML_001	ML_01 - 015	1472	25	1488	35	99
ML_001	ML_01 - 016	1188	23	1166	39	102
ML_001	ML_01 - 017	1004	16	1077	25	93
ML_001	ML_01 - 018	1828	33	1874	52	98
ML_001	ML_01 - 019	1045	18	1137	28	92
ML_001	ML_01 - 020	1555	25	1684	38	92
~~ML_001~~	~~ML_01 - 021~~	~~1765~~	~~70~~	~~2611~~	~~43~~	~~68~~
ML_001	ML_01 - 022	1185	21	1197	32	99
ML_001	ML_01 - 023	1908	29	1874	27	102
ML_001	ML_01 - 024	1615	35	1632	57	99
ML_001	ML_01 - 025	1244	19	1192	31	104
ML_001	ML_01 - 026	1186	19	1182	22	100
ML_001	ML_01 - 027	659	13	665	33	99
ML_001	ML_01 - 028	1060	16	1045	17	101
~~ML_001~~	~~ML_01 - 029~~	~~1286~~	~~26~~	~~2018~~	~~47~~	~~64~~
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ML_001	ML_01 - 031	1191	19	1168	27	102
ML_001	ML_01 - 032	1185	23	1075	43	110
ML_001	ML_01 - 033	1448	21	1462	19	99
ML_001	ML_01 - 034	1279	26	1305	39	98
ML_001	ML_01 - 035	1493	32	1447	45	103
ML_001	ML_01 - 036	691	13	673	34	103
ML_001	ML_01 - 037	1776	34	1755	32	101
ML_001	ML_01 - 038	1625	26	1655	32	98
ML_001	ML_01 - 039	1611	29	1606	36	100
ML_001	ML_01 - 040	2710	44	2708	34	100
ML_001	ML_01 - 041	1469	24	1483	35	99
ML_001	ML_01 - 042	1827	31	1806	42	101
ML_001	ML_01 - 043	1219	22	1196	39	102
ML_001	ML_01 - 044	1474	25	1464	31	101
ML_001	ML_01 - 045	1204	21	1190	35	101
ML_001	ML_01 - 046	1342	22	1352	32	99
ML_001	ML_01 - 047	1530	30	1677	41	91
ML_001	ML_01 - 048	1204	20	1216	30	99
ML_001	ML_01 - 049	1177	19	1162	24	101
ML_001	ML_01 - 050	2374	37	2411	29	98
ML_001	ML_01 - 051	1203	24	1189	44	101
ML_001	ML_01 - 052	1220	28	1182	50	103
ML_001	ML_01 - 053	1020	19	1022	28	100
ML_001	ML_01 - 054	1204	21	1174	24	103
ML_001	ML_01 - 055	1328	22	1342	29	99

ML_001	ML_01 - 056	2900	47	2958	47	98
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ML_001	ML_01 - 065	1270	25	1364	49	93
ML_001	ML_01 - 066	2723	53	2658	54	102
ML_001	ML_01 - 067	1315	25	1330	38	99
ML_001	ML_01 - 068	1622	47	1676	38	97
ML_001	ML_01 - 069	1767	29	1769	25	100
ML_001	ML_01 - 070	1203	22	1144	33	105
ML_001	ML_01 - 071	1720	28	1720	27	100
ML_001	ML_01 - 072	658	18	658	45	100
ML_001	ML_01 - 073	1222	20	1174	18	104
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ML_001	ML_01 - 086	1216	21	1209	28	101
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ML_002	ML_002 - 047	1632	42	1588	66	101
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ML_002	ML_002 - 049	1268	42	1161	73	103
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ML_002	ML_002 - 059	1146	26	1166	43	99
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ML_003	ML_003 - 008	1209	39	1134	83	102
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ML_003	ML_003 - 052	1243	28	1272	52	99
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ML_003	ML_003 - 085	1683	34	1730	32	99
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ML_003	ML_003 - 087	1465	36	1449	57	100
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ML_006	ML_006 - 102	1884	44	1854	66	100
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ML_006	ML_006 - 125	1798	43	1740	62	101
ML_006	ML_006 - 126	1795	52	1732	71	101
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ML_006	ML_006 - 131	1811	42	2152	47	91
ML_006	ML_006 - 132	1832	44	1831	51	100
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ML_006	ML_006 - 134	1824	64	2040	36	94
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ML_006	ML_006 - 137	2113	50	2298	46	95
ML_006	ML_006 - 138	1765	40	1732	60	100
ML_006	ML_006 - 139	1829	41	1788	56	101
ML_006	ML_006 - 140	1981	51	1824	51	104
ML_006	ML_006 - 141	1906	37	1842	38	101
ML_006	ML_006 - 142	1752	43	1782	59	99
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ML_006	ML_006 - 144	1728	36	1947	55	94
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ML_006	ML_006 - 148	1801	42	1798	53	100
ML_006	ML_006 - 149	1587	67	1921	37	91
ML_006	ML_006 - 150	1771	37	1954	33	95
ML_006	ML_006 - 151	1844	58	2043	50	95
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ML_006	ML_006 - 155	1860	39	1872	41	99
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ML_006	ML_006 - 159	1821	35	1776	31	101
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ML_006	ML_006 - 161	1911	40	1861	31	101
ML_006a	ML_006 - 001	2450	24	1838	33	98
ML_006a	ML_006 - 002	2368	24	1838	30	100
ML_006a	ML_006 - 003	2413	22	1831	37	101
ML_006a	ML_006 - 004	962	14	1857	31	99
ML_006a	ML_006 - 005	2323	29	1857	29	99
~~ML_006a~~	~~ML_006 - 006~~	~~1883~~	~~19~~	~~2326~~	~~32~~	~~72~~
ML_006a	ML_006 - 007	1295	24	2428	25	101
ML_006a	ML_006 - 008	1880	24	1865	25	98
ML_006a	ML_006 - 009	2361	26	2242	54	96
ML_006a	ML_006 - 010	2377	38	2433	30	101
ML_006a	ML_006 - 011	1907	24	1953	30	101
ML_006a	ML_006 - 012	1832	20	1814	39	104
ML_006a	ML_006 - 013	1834	19	2373	39	101
ML_006a	ML_006 - 014	1848	26	2615	56	94
ML_006a	ML_006 - 014	1857	25	2573	39	102
ML_006a	ML_006 - 015	1929	34	1868	29	97
~~ML_006a~~	~~ML_006 - 016~~	~~1762~~	~~32~~	~~2175~~	~~90~~	~~88~~
ML_006a	ML_006 - 017	2416	27	1699	28	102
ML_006a	ML_006 - 018	1877	19	1837	20	102
ML_006a	ML_006 - 019	1867	21	1830	19	101
ML_006a	ML_006 - 020	1826	21	1842	21	101
ML_006a	ML_006 - 021	1884	40	1688	40	102
ML_006a	ML_006 - 022	1854	39	1826	23	103
~~ML_006a~~	~~ML_006 - 023~~	~~2397~~	~~50~~	~~3587~~	~~223~~	~~14~~
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ML_006a	ML_006 - 025	1281	52	2427	25	101
ML_006a	ML_006 - 026	2369	51	2562	28	92
ML_006a	ML_006 - 027	1730	41	2425	25	100
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ML_006a	ML_006 - 029	2323	28	2365	43	98
ML_006a	ML_006 - 030	1884	18	1895	19	99
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ML_006a	ML_006 - 032	1880	22	1812	36	104
ML_006a	ML_006 - 033	2362	25	2400	23	98
ML_006a	ML_006 - 034	2375	36	2438	57	97
ML_006a	ML_006 - 035	1907	24	1828	24	104
ML_006a	ML_006 - 036	1832	20	1842	22	99
ML_006a	ML_006 - 037	1835	17	1819	23	101
ML_006a	ML_006 - 038	1847	24	1850	36	100
ML_006a	ML_006 - 039	1858	23	1853	37	100
ML_006a	ML_006 - 040	1926	32	1843	31	105
ML_006a	ML_006 - 041	1758	34	1704	21	103
ML_006a	ML_006 - 042	2418	26	2431	32	99
ML_006a	ML_006 - 043	1875	18	1844	25	102
ML_006a	ML_006 - 044	1864	20	1853	30	101
ML_006a	ML_006 - 045	1827	20	1840	35	99
ML_006a	ML_006 - 046	1884	39	1835	32	103
ML_006a	ML_006 - 047	1854	39	1857	31	100
ML_006a	ML_006 - 048	2393	49	2384	27	101
ML_006a	ML_006 - 049	1855	41	1846	41	100
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ML_006a	ML_006 - 051	2369	50	2397	39	99
ML_006a	ML_006 - 052	1729	39	1669	43	104
ML_007	ML_007 - 001	1852	38	1866	36	99
ML_007	ML_007 - 002	1860	38	1856	38	100
ML_007	ML_007 - 003	1772	40	1679	49	102
ML_007	ML_007 - 004	2460	59	2442	55	100
ML_007	ML_007 - 005	1758	44	1839	72	98
ML_007	ML_007 - 006	1788	39	1816	47	99
ML_007	ML_007 - 007	1576	30	1557	28	100
ML_007	ML_007 - 008	1828	38	1845	35	99
ML_007	ML_007 - 009	1890	46	1830	63	101
~~ML_007~~	~~ML_007 - 010~~	~~1279~~	~~28~~	~~1995~~	~~39~~	~~81~~
ML_007	ML_007 - 011	1804	42	1785	61	100
~~ML_007~~	~~ML_007 - 012~~	~~1444~~	~~83~~	~~2433~~	~~148~~	~~76~~
ML_007	ML_007 - 013	1863	42	1844	37	100
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ML_007	ML_007 - 015	1939	44	2061	37	97
ML_007	ML_007 - 016	1862	38	1843	45	100
ML_007	ML_007 - 017	1858	37	1874	38	99
ML_007	ML_007 - 018	1869	39	1953	48	98
ML_007	ML_007 - 019	1823	46	1794	72	100
ML_007	ML_007 - 020	2042	46	1857	57	104
ML_007	ML_007 - 021	1889	40	1837	43	101
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ML_007	ML_007 - 023	1755	38	1749	41	100
ML_007	ML_007 - 024	1896	41	1873	54	100
~~ML_007~~	~~ML_007 - 025~~	~~1683~~	~~46~~	~~2109~~	~~72~~	~~89~~
~~ML_007~~	~~ML_007 - 026~~	~~1669~~	~~38~~	~~2677~~	~~99~~	~~77~~
ML_007	ML_007 - 027	1767	54	1879	68	97
ML_007	ML_007 - 028	2408	53	2444	55	99
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ML_007	ML_007 - 030	2201	59	2388	65	95
ML_007	ML_007 - 031	1729	36	1733	53	100
ML_007	ML_007 - 032	1890	37	1821	37	102
ML_007	ML_007 - 033	1786	48	1778	56	100
ML_007	ML_007 - 034	1840	41	1877	31	99
ML_007	ML_007 - 035	2453	62	2478	37	99
ML_007	ML_007 - 036	1922	47	1848	51	102
~~ML_007~~	~~ML_007 - 037~~	~~1622~~	~~68~~	~~2078~~	~~101~~	~~88~~
ML_007	ML_007 - 038	1782	47	1800	87	99
ML_007	ML_007 - 039	1875	36	1832	33	101
ML_007	ML_007 - 040	1882	37	1844	33	101
ML_007	ML_007 - 041	1866	43	1917	54	98
~~ML_007~~	~~ML_007 - 042~~	~~1596~~	~~57~~	~~2030~~	~~59~~	~~89~~
ML_007	ML_007 - 043	1895	39	1839	38	101
ML_007	ML_007 - 044	1832	40	1889	45	98
ML_007	ML_007 - 045	1897	42	1844	47	101
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ML_007	ML_007 - 049	1674	34	1735	25	98
~~ML_007~~	~~ML_007 - 050~~	~~1260~~	~~75~~	~~1942~~	~~161~~	~~82~~
ML_007	ML_007 - 051	1863	40	1851	44	100
~~ML_007~~	~~ML_007 - 052~~	~~1425~~	~~52~~	~~1990~~	~~57~~	~~85~~
ML_007	ML_007 - 053	1821	41	1857	48	99
ML_007	ML_007 - 054	1642	49	1773	58	96
~~ML_007~~	~~ML_007 - 055~~	~~1045~~	~~45~~	~~2613~~	~~90~~	~~62~~
ML_007	ML_007 - 056	1761	61	1860	58	97
ML_007	ML_007 - 057	1834	37	1827	34	100
ML_007	ML_007 - 058	1793	36	1898	39	97
ML_007	ML_007 - 059	1783	42	1776	38	100
ML_007	ML_007 - 060	1889	41	1864	50	100
ML_007	ML_007 - 061	1868	37	1850	39	100
ML_007	ML_007 - 062	1578	36	1892	43	92
ML_007	ML_007 - 063	1827	39	1836	35	100

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ML_007	ML_007 - 065	1944	68	1911	106	101
ML_007	ML_007 - 066	1905	55	1897	82	100
ML_007	ML_007 - 067	1851	53	1866	99	99
ML_007	ML_007 - 068	1816	37	1838	37	99
ML_007	ML_007 - 069	1853	65	1881	118	99
ML_007	ML_007 - 070	1867	39	1812	31	101
ML_007	ML_007 - 071	1600	42	1875	48	93
ML_007	ML_007 - 072	1709	43	1967	78	93
ML_007	ML_007 - 073	1838	36	1854	34	99
ML_007	ML_007 - 074	1890	42	1889	30	100
ML_007	ML_007 - 075	1862	40	1763	41	102
~~ML_007~~	~~ML_007 - 076~~	~~1476~~	~~35~~	~~2071~~	~~72~~	~~85~~
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ML_007	ML_007 - 078	1803	44	1736	64	102
ML_007	ML_007 - 079	1763	36	1772	36	100
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ML_007	ML_007 - 081	1794	61	1942	43	96
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ML_007	ML_007 - 083	1837	38	1863	37	99
ML_007	ML_007 - 084	1794	39	1783	55	100
ML_007	ML_007 - 085	1841	44	1858	59	99
ML_007	ML_007 - 086	1909	43	1870	33	101
ML_007	ML_007 - 087	1731	40	1811	58	98
ML_007	ML_007 - 088	1344	48	1655	194	91
ML_007	ML_007 - 089	1875	43	1844	63	101
ML_007	ML_007 - 090	1744	39	1813	55	98
ML_007	ML_007 - 091	1809	47	1828	81	99
ML_007	ML_007 - 092	1845	52	1932	88	98
ML_007	ML_007 - 093	1844	41	1848	54	100
ML_007	ML_007 - 094	1767	46	1726	78	101
ML_007	ML_007 - 095	1446	36	1763	31	91
ML_007	ML_007 - 096	1849	37	1843	46	100
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ML_007	ML_007 - 098	1922	39	1848	28	102
ML_007	ML_007 - 099	1915	39	1882	40	101
ML_007	ML_007 - 100	1755	37	1852	53	97
ML_007	ML_007 - 101	1821	38	1876	42	98
ML_007	ML_007 - 102	1755	38	1773	43	99
ML_007	ML_007 - 103	1974	52	2313	64	92
ML_007	ML_007 - 104	2066	64	2378	44	93
ML_007	ML_007 - 105	1857	37	1852	41	100
ML_007	ML_007 - 106	1902	38	1858	30	101
ML_007	ML_007 - 107	2026	53	1980	67	101
ML_007	ML_007 - 108	1849	42	1905	63	98
ML_007	ML_007 - 109	1888	44	1785	58	102
ML_007	ML_007 - 110	1883	39	1846	39	101
ML_007	ML_007 - 111	1726	39	1779	56	98
ML_007	ML_007 - 112	1819	38	1978	34	96
ML_007	ML_007 - 113	1780	40	1859	28	98
ML_007	ML_007 - 114	1762	40	1786	61	99
ML_007	ML_007 - 115	1871	41	1907	56	99
ML_007	ML_007 - 116	1912	45	1894	49	100
ML_007	ML_007 - 117	1896	46	1873	66	100
ML_007	ML_007 - 118	1867	38	1840	43	101
ML_007	ML_007 - 119	1502	38	1688	30	95
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ML_007	ML_007 - 121	1863	36	1827	28	101
ML_007	ML_007 - 122	2273	56	2410	62	97
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ML_007	ML_007 - 124	1883	45	1802	38	102
ML_007	ML_007 - 125	2503	51	2481	58	100
ML_007	ML_007 - 126	1901	39	1838	37	101
ML_007	ML_007 - 127	2225	68	2306	40	98
ML_007	ML_007 - 128	1899	38	1835	36	101

ML_007	ML_007 - 129	1866	39	1854	47	100
ML_007	ML_007 - 130	1694	50	2033	40	91
ML_007	ML_007 - 131	1888	38	1828	43	101
ML_007	ML_007 - 132	1818	55	1865	52	99
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ML_007	ML_007 - 134	1811	37	1843	45	99
ML_007	ML_007 - 135	1808	44	1846	42	99
ML_007	ML_007 - 136	1218	53	2739	94	64
ML_007	ML_007 - 137	1848	39	1808	43	101
ML_007	ML_007 - 138	1622	45	2058	59	89
ML_007	ML_007 - 139	1673	38	1916	46	94
ML_007	ML_007 - 140	1770	56	1839	83	98
ML_007	ML_007 - 141	1657	41	2180	63	87
ML_007	ML_007 - 142	1576	45	2193	86	85
ML_007	ML_007 - 143	1105	37	2491	66	66
ML_007	ML_007 - 144	1781	45	1755	78	101
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ML_007	ML_007 - 146	2427	54	2487	61	99
ML_007	ML_007 - 147	0	0	1922	27	#DIV/0!
ML_007	ML_007 - 148	1814	43	1827	59	100
ML_007	ML_007 - 149	1898	37	1857	34	101
ML_007	ML_007 - 150	1820	37	1862	35	99
ML_007	ML_007 - 151	1852	47	1816	61	101
ML_007	ML_007 - 152	1755	38	1739	43	100
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ML_007	ML_007 - 154	1685	43	2098	64	90
ML_007	ML_007 - 155	1820	38	1827	39	100
ML_008	ML_008 - 001	1089	76	1940	70	77
ML_008	ML_008 - 002	1087	31	1064	62	100
ML_008	ML_008 - 003	1318	30	1252	36	102
ML_008	ML_008 - 004	1538	32	1613	42	98
ML_008	ML_008 - 005	1117	26	1067	35	101
ML_008	ML_008 - 006	1078	26	1150	31	97
ML_008	ML_008 - 007	1092	22	1147	21	98
ML_008	ML_008 - 008	902	79	1338	67	87
ML_008	ML_008 - 009	1219	26	1361	35	95
ML_008	ML_008 - 010	2023	58	2016	88	100
ML_008	ML_008 - 011	1117	22	1122	26	99
ML_008	ML_008 - 012	1087	31	1023	38	102
ML_008	ML_008 - 013	1104	22	1083	27	100
ML_008	ML_008 - 014	1834	41	1992	39	96
ML_008	ML_008 - 015	1541	33	1541	41	100
ML_008	ML_008 - 016	1606	33	1678	36	98
ML_008	ML_008 - 017	1261	27	1342	35	97
ML_008	ML_008 - 018	1101	23	1051	22	101
ML_008	ML_008 - 019	2037	47	2016	43	100
ML_008	ML_008 - 020	1803	39	1764	56	101
ML_008	ML_008 - 021	823	24	1830	68	71
ML_008	ML_008 - 022	2579	52	2592	49	99
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ML_008	ML_008 - 024	1117	24	1087	37	100
ML_008	ML_008 - 025	1489	36	1765	44	92
ML_008	ML_008 - 026	989	30	1681	87	80
ML_008	ML_008 - 027	950	29	1074	80	96
ML_008	ML_008 - 028	1155	30	1634	44	86
ML_008	ML_008 - 029	1114	22	1091	24	100
ML_008	ML_008 - 030	819	21	1853	63	71
ML_008	ML_008 - 031	841	22	1484	43	81
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ML_008	ML_008 - 037	965	22	994	31	98
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ML_008	ML_008 - 039	956	23	886	43	102
ML_008	ML_008 - 040	1633	39	1665	31	99
ML_008	ML_008 - 041	1814	35	1812	26	100
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ML_008	ML_008 - 043	766	25	791	71	99
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ML_008	ML_008 - 045	901	24	991	47	97
ML_008	ML_008 - 046	1178	25	1148	38	100
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ML_008	ML_008 - 048	1239	27	1289	46	98
ML_008	ML_008 - 049	1173	30	1138	64	101
ML_008	ML_008 - 050	1087	24	1122	34	98
ML_008	ML_008 - 051	1093	22	1261	34	95
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ML_008	ML_008 - 053	1372	30	1306	32	101
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ML_008	ML_008 - 056	974	24	1015	45	98
ML_008	ML_008 - 057	1134	22	1151	24	99
ML_008	ML_008 - 058	1321	27	1239	27	102
ML_008	ML_008 - 059	752	17	766	29	99
ML_008	ML_008 - 060	2003	52	2117	54	97
ML_008	ML_008 - 061	1119	25	1065	35	101
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ML_008	ML_008 - 064	1710	35	1666	43	101
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ML_008	ML_008 - 066	1875	87	1733	139	104
ML_008	ML_008 - 067	1232	25	1133	33	102
ML_008	ML_008 - 068	1698	34	1640	36	101
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ML_008	ML_008 - 070	2384	47	2268	33	102
ML_008	ML_008 - 071	1077	28	1154	46	97
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ML_008	ML_008 - 073	951	23	1022	42	97
ML_008	ML_008 - 074	941	28	969	63	99
ML_008	ML_008 - 075	1145	26	1340	43	94
ML_008	ML_008 - 076	1114	22	1104	28	100
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ML_008	ML_008 - 078	2355	62	2379	51	99
ML_008	ML_008 - 079	1872	42	1860	42	100
ML_008	ML_008 - 080	1052	22	959	31	102
ML_008	ML_008 - 081	1114	36	1231	81	96
ML_008	ML_008 - 082	2177	43	2124	32	101
ML_008	ML_008 - 083	1088	24	1059	43	100
ML_008	ML_008 - 084	1101	26	1322	33	93
ML_008	ML_008 - 085	1604	38	1618	51	99
ML_008	ML_008 - 086	1074	25	1071	37	100
ML_008	ML_008 - 087	1775	36	1799	31	99
ML_008	ML_008 - 088	1148	26	1106	39	101
ML_008	ML_008 - 089	2634	57	2652	38	99
ML_008	ML_008 - 090	2388	59	2298	68	102
ML_008	ML_008 - 091	1093	22	1128	24	98
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ML_008	ML_008 - 095	1113	29	1054	35	101
ML_008	ML_008 - 096	1178	27	1169	46	100
ML_008	ML_008 - 097	1633	88	1486	177	104
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ML_008	ML_008 - 099	1082	22	1087	30	99
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ML_008	ML_008 - 102	1163	32	1180	55	99
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ML_008	ML_008 - 104	912	29	1058	78	95
ML_008	ML_008 - 105	1264	30	1189	46	102
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ML_008	ML_008 - 107	1098	25	1084	41	100
ML_008	ML_008 - 108	718	18	848	39	95
ML_008	ML_008 - 109	1562	38	1601	64	99
ML_008	ML_008 - 110	1119	25	1108	31	100
ML_008	ML_008 - 111	964	25	1054	34	97
ML_008	ML_008 - 112	1007	26	1131	42	96
ML_008	ML_008 - 113	1602	56	1573	120	100
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ML_008	ML_008 - 116	1074	22	1041	38	101
ML_008	ML_008 - 117	1102	24	1049	32	101
ML_008	ML_008 - 118	2546	76	2459	108	102
ML_008	ML_008 - 119	1083	22	1113	24	99
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ML_008	ML_008 - 121	1770	39	1780	49	99
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ML_008	ML_008 - 123	957	23	934	44	100
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ML_008	ML_008 - 126	1696	39	1723	47	99
ML_008	ML_008 - 127	1087	26	1116	42	99
ML_008	ML_008 - 128	1113	30	1079	51	101
ML_008	ML_008 - 129	998	21	982	29	100
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ML_008	ML_008 - 136	1616	34	1599	38	100
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ML_008	ML_008 - 138	1608	36	1684	61	98
ML_008	ML_008 - 139	1763	40	1886	34	97
ML_008	ML_008 - 140	2409	46	2411	37	100
ML_008	ML_008 - 141	1075	21	1089	25	99
ML_008	ML_008 - 142	1661	36	1640	45	100
ML_008	ML_008 - 143	1591	38	1615	57	99
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ML_008	ML_008 - 157	1121	24	1025	30	103
ML_008	ML_008 - 158	1099	22	1072	26	100
ML_008	ML_008 - 159	1564	45	1568	72	100
ML_008	ML_008 - 160	1399	28	1412	40	99
ML_009	ML_09 - 001	1636	37	1635	38	100
ML_009	ML_09 - 002	1011	22	1044	30	97
ML_009	ML_09 - 003	1635	56	1601	98	102
ML_009	ML_09 - 004	1641	35	1612	31	102
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ML_009	ML_09 - 019	1626	36	1651	32	98
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ML_009	ML_09 - 026	1712	42	1732	27	99
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ML_009	ML_09 - 060	1300	30	1319	63	99
ML_009	ML_09 - 061	1619	34	1663	48	97
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ML_009	ML_09 - 080	1166	21	1165	18	100
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ML_009	ML_09 - 095	1593	33	1584	25	101
ML_009	ML_09 - 096	1643	39	1634	57	101
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ML_009	ML_09 - 101	1082	24	1068	25	101
ML_009	ML_09 - 102	1562	37	1610	49	97
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ML_009	ML_09 - 104	1597	67	1446	139	110
ML_009	ML_09 - 105	1704	38	1767	36	96
ML_009	ML_09 - 106	1578	34	1614	34	98
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ML_009	ML_09 - 116	1798	34	1798	24	100
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ML_009	ML_09 - 119	1727	34	1701	33	102
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ML_009	ML_09 - 128	1590	30	1570	27	101
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ML_009	ML_09 - 131	1621	34	1662	43	98
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ML_009	ML_09 - 136	1870	36	1858	31	101
ML_011A	ML_011A - 001	1689	66	1777	53	97
ML_011A	ML_011A - 002	1717	34	1763	28	99

ML_011A	ML_011A - 003	2527	48	2508	33	100
ML_011A	ML_011A - 004	1814	42	1803	50	100
ML_011A	ML_011A - 005	1796	45	1770	68	101
ML_011A	ML_011A - 006	1565	33	1670	28	97
ML_011A	ML_011A - 007	1879	39	1837	31	101
ML_011A	ML_011A - 008	1910	46	1839	54	102
ML_011A	ML_011A - 009	1582	36	1583	32	100
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ML_011A	ML_011A - 016	2473	69	2548	52	98
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ML_011A	ML_011A - 019	1412	62	1758	52	91
ML_011A	ML_011A - 020	2411	49	2498	29	98
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ML_011A	ML_011A - 022	1885	39	1801	34	102
ML_011A	ML_011A - 023	1523	84	1602	31	97
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ML_011A	ML_011A - 046	1646	37	1588	35	102
ML_011A	ML_011A - 047	1585	33	1760	23	95
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ML_011A	ML_011A - 105	1647	37	1653	22	100
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ML_015	ML_15 - 131	1763	31	1827	17	96
ML_015	ML_15 - 132	2808	49	2808	37	100
ML_015	ML_15 - 133	1723	29	1913	39	90
~~ML_015~~	~~ML_15 - 134~~	~~1495~~	~~22~~	~~1773~~	~~33~~	~~84~~
~~ML_015~~	~~ML_15 - 135~~	~~679~~	~~19~~	~~1908~~	~~24~~	~~36~~
ML_015	ML_15 - 136	1733	28	1805	45	96
ML_015	ML_15 - 137	1868	24	1861	26	100
ML_015	ML_15 - 138	1618	27	1710	26	95
ML_015	ML_15 - 139	1909	29	1811	34	105
ML_015	ML_15 - 140	1782	28	1790	42	100
~~ML_015~~	~~ML_15 - 141~~	~~1547~~	~~51~~	~~1971~~	~~26~~	~~78~~
ML_015	ML_15 - 142	1755	28	1841	28	95
ML_015	ML_15 - 143	1819	22	1899	23	96
ML_015	ML_15 - 144	1868	23	1873	21	100
ML_015	ML_15 - 145	2430	29	2393	15	102
ML_015	ML_15 - 146	2083	25	2030	15	103
~~ML_015~~	~~ML_15 - 147~~	~~924~~	~~18~~	~~1705~~	~~35~~	~~54~~
ML_015	ML_15 - 148	1826	23	1845	21	99
ML_015	ML_15 - 149	1541	21	1598	22	96
ML_015	ML_15 - 150	1783	24	1796	28	99
ML_015	ML_15 - 151	1962	30	1837	35	107
~~ML_015~~	~~ML_15 - 152~~	~~1466~~	~~52~~	~~1944~~	~~23~~	~~75~~
ML_015	ML_15 - 153	1830	23	1856	23	99
ML_015	ML_15 - 154	2474	33	2466	22	100
ML_015	ML_15 - 155	1823	22	1845	19	99
ML_016	ML_16 - 001	1764	24	1772	35	100
ML_016	ML_16 - 002	1841	26	1831	36	101
ML_016	ML_16 - 003	1832	24	1860	38	98
~~ML_016~~	~~ML_16 - 004~~	~~1402~~	~~40~~	~~2189~~	~~60~~	~~64~~
ML_016	ML_16 - 005	1662	25	1735	19	96
ML_016	ML_16 - 006	1851	23	1849	22	100
ML_016	ML_16 - 007	1547	21	1593	30	97

ML_016	ML_16 - 008	1872	24	1844	24	102
~~ML_016~~	~~ML_16 - 009~~	~~666~~	~~17~~	~~3155~~	~~77~~	~~21~~
ML_016	ML_16 - 010	1710	19	1740	24	98
~~ML_016~~	~~ML_16 - 011~~	~~789~~	~~10~~	~~1058~~	~~18~~	~~75~~
~~ML_016~~	~~ML_16 - 012~~	~~2170~~	~~42~~	~~2504~~	~~29~~	~~87~~
ML_016	ML_16 - 013	1528	19	1584	35	96
ML_016	ML_16 - 014	1834	22	1850	22	99
ML_016	ML_16 - 015	1713	22	1742	28	98
ML_016	ML_16 - 016	1862	20	1867	20	100
ML_016	ML_16 - 017	1615	22	1565	40	103
ML_016	ML_16 - 018	1552	20	1604	30	97
~~ML_016~~	~~ML_16 - 019~~	~~1491~~	~~17~~	~~1668~~	~~28~~	~~89~~
ML_016	ML_16 - 020	1696	20	1757	33	97
ML_016	ML_16 - 021	1566	17	1601	19	98
ML_016	ML_16 - 022	1465	20	1618	18	91
~~ML_016~~	~~ML_16 - 023~~	~~1188~~	~~32~~	~~1817~~	~~34~~	~~65~~
ML_016	ML_16 - 024	1797	22	1833	28	98
ML_016	ML_16 - 025	1949	24	1980	35	98
ML_016	ML_16 - 026	1743	32	1840	47	95
ML_016	ML_16 - 027	1985	32	2200	36	90
ML_016	ML_16 - 028	1598	20	1565	25	102
ML_016	ML_16 - 029	1580	17	1597	21	99
~~ML_016~~	~~ML_16 - 030~~	~~608~~	~~14~~	~~2623~~	~~65~~	~~23~~
ML_016	ML_16 - 031	1603	19	1588	23	101
ML_016	ML_16 - 032	1800	20	1795	19	100

APPENDIX B: ZIRCON REE DATA

Concordant (10%) data only.
Eu/Eu*, Ce/Ce*, and slope are normalised to Boynton 1984.

Analysis	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Eu/Eu*	Ce/Ce*	Slope (LuN/Gdn)	$^{207}Pb/^{206}$ Pb Age (Ma)
ML_01 - 001	0.00	17.52	0.03	0.86	1.70	0.75	11.66	4.04	58.04	23.21	120.35	25.53	232.05	41.93	0.52	173.23	28.92	1453
ML_01 - 002	0.04	19.92	0.56	7.97	12.63	1.18	52.11	15.63	178.99	61.28	283.64	56.73	497.85	93.73	0.14	10.43	14.47	1464
ML_01 - 003	0.01	4.64	0.07	1.30	3.02	0.38	14.84	4.84	59.29	21.41	101.63	20.09	176.13	35.34	0.17	19.05	19.16	1243
ML_01 - 004	0.00	20.99	0.07	1.37	3.26	0.67	21.00	6.90	89.80	33.92	164.43	33.82	313.94	62.18	0.25	84.21	23.81	1886
ML_01 - 005	0.01	19.31	0.22	3.93	7.15	1.32	29.35	7.61	86.93	30.13	138.93	27.57	245.40	49.49	0.28	26.34	13.56	1386
ML_01 - 007	0.04	7.45	0.16	2.20	3.59	0.46	18.92	6.30	77.50	28.67	132.53	25.71	224.15	42.79	0.17	13.09	18.19	1086
ML_01 - 009	0.00	7.51	0.03	0.66	1.38	0.21	7.68	2.68	33.38	12.11	56.83	11.73	105.75	20.64	0.19	65.62	21.62	1087
ML_01 - 010	0.60	11.37	1.14	8.10	7.76	1.60	31.91	11.06	138.91	53.34	256.36	51.95	464.45	89.02	0.31	2.50	22.44	1841
ML_01 - 011	0.07	8.14	0.22	3.82	7.63	0.31	40.91	13.24	158.20	55.99	247.70	45.86	386.69	70.60	0.05	9.86	13.88	1119
ML_01 - 013	0.00	13.11	0.04	0.68	2.57	0.12	17.28	6.84	89.03	36.50	178.60	37.20	334.82	65.25	0.05	101.89	30.37	1503
ML_01 - 014	0.80	23.02	1.27	9.02	9.96	1.98	34.24	11.31	129.14	46.99	213.71	41.49	355.53	66.46	0.33	4.38	15.61	1127
ML_01 - 015	0.00	27.74	0.04	1.00	2.17	0.42	13.32	4.93	62.98	25.78	133.32	29.23	283.06	58.56	0.24	187.20	35.37	1488
ML_01 - 016	0.20	6.17	0.15	1.65	3.26	0.32	19.60	7.08	92.47	35.71	174.61	36.35	327.93	66.31	0.12	8.32	27.21	1166
ML_01 - 017	30.33	83.31	9.86	41.48	13.59	0.41	36.26	9.85	109.96	37.89	167.48	31.48	263.80	48.48	0.06	1.15	10.76	1077
ML_01 - 018	0.08	16.89	0.49	6.88	9.60	2.66	37.64	11.19	127.40	44.61	203.24	39.80	357.22	68.48	0.43	9.84	14.63	1874
ML_01 - 019	0.25	6.16	0.71	7.05	9.74	1.14	44.67	13.86	164.34	59.30	270.49	52.73	457.94	85.25	0.17	2.32	15.35	1137
ML_01 - 020	0.58	39.42	1.92	16.94	38.26	23.31	147.96	30.65	220.79	58.83	245.49	48.46	459.75	96.94	0.95	5.55	5.27	1684
ML_01 - 022	0.01	6.23	0.05	0.89	2.35	0.22	13.72	4.93	64.46	24.25	119.06	24.78	225.19	43.41	0.12	32.99	25.45	1197
ML_01 - 023	0.00	17.90	0.12	2.15	4.22	0.96	21.19	7.09	88.91	34.46	168.68	35.44	330.77	68.22	0.31	43.07	25.89	1874
ML_01 - 024	0.00	8.82	0.06	1.28	3.15	0.78	16.46	4.79	58.90	21.18	98.40	19.87	179.45	34.65	0.33	42.71	16.93	1632
ML_01 - 025	0.01	10.05	0.03	0.75	2.00	0.11	13.44	4.72	62.37	24.00	118.01	24.26	217.44	41.29	0.06	91.17	24.71	1192
ML_01 - 026	0.00	10.51	0.07	0.99	2.69	0.17	15.59	5.58	72.27	26.89	134.34	27.66	251.02	48.46	0.08	46.39	25.00	1182
ML_01 - 027	0.11	3.76	0.43	5.62	11.81	1.12	62.36	17.74	192.11	62.21	260.01	45.76	376.68	69.18	0.13	2.42	8.92	665
ML_01 - 028	0.00	7.30	0.04	0.91	1.49	0.58	6.71	2.03	26.65	11.27	62.94	15.67	180.21	45.39	0.56	48.06	54.44	1045
ML_01 - 030	31.53	87.38	10.83	52.87	24.23	1.94	80.89	21.69	229.36	74.21	302.09	51.84	404.64	69.82	0.13	1.14	6.94	919
ML_01 - 031	0.00	8.85	0.05	0.73	1.85	0.11	11.38	4.02	51.88	19.00	93.46	18.85	164.07	31.73	0.08	51.69	22.42	1168
ML_01 - 032	0.00	4.86	0.04	0.63	1.81	0.20	11.66	4.02	51.25	19.31	92.79	19.31	177.28	34.86	0.14	32.83	24.05	1075
ML_01 - 033	0.15	26.56	0.34	3.38	7.07	0.48	39.35	14.45	186.58	71.21	341.50	66.86	555.91	95.24	0.09	20.04	19.47	1462
ML_01 - 034	0.54	18.04	0.72	6.27	7.34	1.47	25.21	7.67	82.23	28.32	128.48	25.73	216.04	41.76	0.33	5.83	13.32	1305

ML_01 - 035	0.10	17.73	0.11	1.30	2.43	0.38	12.58	4.46	55.57	21.90	110.70	24.19	244.66	49.76	0.21	36.55	31.82	1447
ML_01 - 036	0.01	7.35	0.07	1.15	2.45	0.22	14.30	4.86	58.00	20.42	93.29	18.40	163.16	30.89	0.11	29.26	17.38	673
ML_01 - 037	0.03	6.57	0.06	1.13	2.02	0.18	11.73	4.20	57.99	22.84	114.33	23.92	215.14	43.40	0.11	28.00	29.76	1755
ML_01 - 038	0.01	19.74	0.14	2.85	5.58	1.06	28.09	8.19	94.63	33.24	150.90	29.28	256.12	48.93	0.26	41.50	14.01	1655
ML_01 - 039	0.01	17.29	0.20	3.72	6.72	1.48	32.53	9.48	103.73	35.14	156.54	30.02	258.45	49.45	0.31	25.24	12.23	1606
ML_01 - 040	0.02	25.69	0.18	2.40	5.62	1.43	29.20	9.21	119.32	43.42	201.55	39.60	342.22	66.18	0.34	41.09	18.23	2708
ML_01 - 041	0.38	41.38	0.84	6.01	6.88	2.61	20.90	6.52	74.58	26.38	135.42	31.97	312.32	66.28	0.66	12.66	25.50	1483
ML_01 - 042	0.01	18.51	0.06	1.08	2.35	0.55	12.21	3.90	46.76	17.38	84.45	16.87	160.60	31.21	0.31	96.17	20.56	1806
ML_01 - 043	0.08	6.96	0.11	1.83	3.52	0.25	20.71	7.18	87.87	32.01	154.37	31.09	278.59	52.44	0.09	14.29	20.36	1196
ML_01 - 044	0.00	12.95	0.05	0.94	2.80	0.28	19.02	6.92	94.17	35.96	180.72	38.25	344.33	67.64	0.12	74.39	28.60	1464
ML_01 - 045	0.00	7.48	0.05	0.82	1.94	0.14	11.81	4.60	59.60	22.96	114.90	23.74	219.26	43.50	0.09	47.69	29.62	1190
ML_01 - 046	0.01	6.56	0.05	0.95	2.03	0.13	10.35	3.60	43.29	15.94	77.15	15.59	144.01	27.36	0.09	38.87	21.26	1352
ML_01 - 047	0.54	31.79	1.52	14.68	16.37	5.73	59.69	16.67	180.00	60.28	270.40	52.33	449.00	85.57	0.56	5.53	11.53	1677
ML_01 - 048	0.04	48.43	0.27	3.63	5.09	1.37	19.85	5.49	62.84	22.26	103.76	20.51	184.76	36.05	0.42	50.37	14.61	1216
ML_01 - 049	0.00	15.53	0.03	0.55	1.15	0.11	7.55	2.99	38.91	15.51	79.13	17.78	170.23	34.13	0.12	164.58	36.36	1162
ML_01 - 050	1.06	28.67	1.15	7.65	5.99	1.82	12.08	3.12	32.31	11.53	60.04	14.19	144.20	31.12	0.66	5.53	20.73	2411
ML_01 - 051	0.02	8.32	0.04	0.93	1.94	0.17	11.91	4.09	50.86	18.66	92.09	19.16	175.24	34.84	0.11	52.37	23.54	1189
ML_01 - 052	0.00	6.61	0.09	1.38	3.38	0.45	17.91	5.64	68.76	24.94	115.38	22.80	205.11	40.25	0.18	22.61	18.08	1182
ML_01 - 053	0.01	6.59	0.12	2.06	5.57	0.77	36.16	12.22	155.91	60.15	283.55	57.00	488.08	94.07	0.16	15.90	20.93	1022
ML_01 - 054	0.01	6.30	0.11	2.34	5.59	0.56	26.15	7.94	95.81	33.64	158.07	31.72	277.88	53.50	0.14	16.34	16.46	1174
ML_01 - 055	0.03	6.39	0.02	0.22	0.65	0.17	3.45	1.41	17.02	7.16	34.77	7.56	72.24	14.80	0.34	67.88	34.52	1342
ML_01 - 056	0.00	7.21	0.01	0.24	0.56	0.17	1.99	0.79	8.82	3.66	20.48	5.15	55.88	13.30	0.49	207.99	53.85	2958
ML_01 - 057	0.00	4.82	0.09	1.76	4.43	0.57	25.78	8.22	96.06	34.10	146.11	27.92	228.80	42.42	0.16	16.29	13.23	1094
ML_01 - 058	0.11	9.17	0.07	0.94	2.23	0.59	15.46	5.65	81.06	34.43	189.41	44.17	436.63	96.19	0.31	25.00	50.05	1219
ML_01 - 059	0.07	5.57	0.20	2.16	5.02	0.32	30.60	9.30	113.31	41.57	192.68	37.45	321.39	60.28	0.08	7.33	15.85	1040
ML_01 - 061	0.04	28.49	0.22	2.86	4.14	1.15	19.02	5.64	63.59	23.26	111.76	23.46	217.77	43.91	0.40	36.08	18.57	1449
ML_01 - 062	0.05	3.45	0.20	3.42	5.96	0.49	32.01	9.82	105.16	35.78	160.66	29.79	252.56	46.96	0.11	4.85	11.80	898
ML_01 - 063	0.00	9.05	0.03	0.65	1.83	0.14	11.63	4.48	55.98	21.39	108.76	22.59	201.83	39.97	0.09	82.67	27.65	1204
ML_01 - 064	0.00	5.43	0.01	0.14	0.37	0.11	2.03	0.93	12.31	5.09	29.91	7.43	78.49	18.10	0.41	205.88	71.55	1600
ML_01 - 065	0.00	3.98	0.02	0.39	1.29	0.45	6.32	2.25	28.55	11.47	59.32	13.02	135.51	30.27	0.48	55.41	38.51	1364
ML_01 - 066	0.01	7.07	0.14	2.42	4.32	0.76	22.03	6.18	71.29	23.24	99.74	18.39	153.63	27.98	0.24	14.67	10.22	2658
ML_01 - 067	0.00	7.42	0.05	1.08	2.97	0.60	19.57	6.42	78.51	29.57	138.72	27.81	244.60	47.97	0.24	44.92	19.71	1330
ML_01 - 068	0.11	20.85	0.29	2.18	2.57	1.01	9.95	3.07	36.01	13.31	66.92	14.86	146.18	32.28	0.61	18.94	26.10	1676
ML_01 - 069	0.01	11.81	0.05	0.77	2.17	0.70	12.67	4.09	50.11	18.40	89.77	19.20	180.50	37.10	0.41	72.45	23.55	1769
ML_01 - 070	0.03	14.02	0.08	1.19	2.05	0.25	10.84	3.42	45.67	16.88	82.74	16.96	159.99	31.70	0.16	44.42	23.53	1144
ML_01 - 071	0.05	15.14	0.11	1.12	1.17	0.45	5.51	1.83	22.81	8.58	51.01	12.18	140.10	31.82	0.55	34.42	46.44	1720
ML_01 - 072	0.01	5.91	0.07	1.49	3.70	0.54	20.86	6.82	81.08	29.31	130.81	25.11	217.72	41.51	0.19	23.10	16.01	658
ML_01 - 073	0.00	14.76	0.06	1.21	3.15	0.09	19.58	6.64	92.54	33.85	161.20	32.88	290.34	55.19	0.04	70.71	22.67	1174
ML_01 - 074	0.00	6.36	0.02	0.50	1.59	0.17	11.21	4.46	60.21	24.61	124.87	26.44	242.65	48.60	0.12	97.25	34.88	1426
ML_01 - 077	0.00	4.74	0.09	1.60	3.64	1.31	18.16	5.44	67.49	25.37	120.93	25.28	235.15	49.72	0.49	15.10	22.02	1203
ML_01 - 078	0.07	6.82	0.28	3.79	7.45	1.25	37.65	10.98	130.78	44.79	200.76	37.74	316.57	59.87	0.23	6.78	12.79	1157

ML_01 - 080	0.01	22.48	0.11	1.79	3.12	0.82	14.06	4.03	48.16	18.03	83.09	16.82	153.22	30.43	0.38	56.51	17.41	1718
ML_01 - 082	0.42	10.88	1.52	10.95	12.69	3.70	44.29	13.66	164.85	57.56	268.90	52.65	450.58	85.73	0.48	1.96	15.57	1769
ML_01 - 083	0.03	15.09	0.08	0.92	1.87	0.28	9.81	3.67	49.05	19.10	97.76	21.18	197.36	40.75	0.20	49.96	33.42	1285
ML_01 - 084	0.34	17.06	0.67	10.31	17.51	0.29	98.28	29.05	329.92	110.61	468.47	80.44	638.16	111.18	0.02	6.40	9.10	706
ML_01 - 085	0.00	31.14	0.09	1.74	3.53	0.75	16.91	5.76	73.52	27.40	133.10	27.92	255.78	50.28	0.30	102.38	23.92	1456
ML_01 - 086	0.00	7.94	0.05	1.13	2.47	0.27	14.99	5.26	66.44	24.92	122.09	25.31	228.22	44.25	0.14	45.10	23.74	1209
ML_01 - 087	0.00	3.92	0.03	0.56	1.56	0.09	9.39	3.27	42.02	15.74	78.89	15.96	150.21	29.66	0.07	41.28	25.41	1155
ML_01 - 088	0.01	8.39	0.10	1.16	3.11	0.39	17.06	6.21	78.46	29.47	144.85	31.01	281.03	55.47	0.16	25.94	26.16	1220
ML_01 - 089	0.10	19.00	0.41	5.20	9.63	1.71	47.38	14.38	173.25	60.13	264.45	48.48	391.00	71.04	0.24	12.69	12.06	1134
ML_01 - 090	0.05	1.06	0.04	0.63	1.83	0.13	17.25	7.50	116.76	43.67	189.42	35.56	306.59	59.35	0.07	5.48	27.68	1125
ML_01 - 091	0.12	9.58	0.42	4.21	8.60	2.29	46.85	18.57	261.80	106.51	566.14	124.77	1176.2	228.55	0.35	6.17	39.24	1614
ML_01 - 093	0.00	15.21	0.03	0.65	1.70	0.36	11.01	3.96	52.45	20.41	105.17	22.09	207.08	42.02	0.25	153.89	30.69	1423
ML_01 - 094	0.06	7.19	0.07	1.07	2.99	0.31	19.59	6.88	87.64	33.23	159.67	32.69	291.30	55.93	0.12	22.73	22.96	1490
ML_01 - 095	0.01	11.07	0.08	1.41	3.30	0.12	20.68	6.92	87.13	32.05	150.43	29.03	255.83	48.77	0.05	40.43	18.97	1216
ML_01 - 096	0.01	1.21	0.09	1.83	5.76	0.10	38.78	14.03	182.78	70.43	335.80	65.99	582.51	110.92	0.02	3.84	23.01	1134
ML_01 - 097	0.00	0.36	0.01	0.05	0.18	0.14	1.86	0.82	10.44	2.97	10.62	1.63	12.53	2.21	0.76	17.02	9.55	1372
ML_01 - 098	0.00	0.52	0.00	0.03	0.12	0.13	2.40	1.03	11.94	3.41	11.56	1.71	13.08	2.32	0.78	70.40	7.80	1381
ML_01 - 099	0.02	13.59	0.25	4.67	8.19	0.54	37.50	12.13	137.07	46.81	207.85	39.33	340.88	62.37	0.09	15.97	13.38	1261
ML_01 - 100	0.00	17.61	0.08	1.40	2.49	0.74	13.33	3.90	44.71	15.93	71.87	14.05	127.29	25.03	0.39	66.53	15.10	2036
ML_01 - 101	1.09	11.46	0.52	4.81	7.57	1.45	36.22	10.89	120.53	41.42	178.47	34.09	283.29	53.59	0.27	3.66	11.90	1184
ML_01 - 102	0.01	14.38	0.06	1.09	2.79	0.09	15.02	5.48	67.32	24.38	116.22	23.75	211.37	40.47	0.04	72.61	21.68	702
ML_01 - 103	0.02	35.36	0.21	3.75	4.83	1.18	20.48	5.73	70.35	25.28	117.76	24.40	227.94	44.75	0.36	48.54	17.57	1391
ML_01 - 104	0.00	9.28	0.02	0.52	1.02	0.74	5.81	2.04	23.92	9.09	48.71	11.64	124.55	27.72	0.93	134.23	38.39	1008
ML_01 - 105	0.02	5.45	0.13	2.57	6.13	1.19	34.02	9.22	105.10	36.65	157.42	30.29	254.86	47.30	0.25	11.42	11.19	1215
ML_01 - 106	0.03	1.29	0.08	0.97	3.49	0.18	26.23	9.04	110.44	36.18	150.11	26.97	220.29	37.38	0.06	4.21	11.46	974
ML_01 - 107	0.04	5.64	0.05	0.97	2.65	0.46	18.40	6.40	84.79	33.21	159.19	32.08	288.49	56.28	0.20	25.68	24.60	1848
ML_01 - 108	0.03	27.62	0.19	3.15	6.79	0.99	35.00	10.92	124.13	43.34	200.24	39.54	343.24	65.93	0.20	41.07	15.15	1201
ML_01 - 109	0.43	14.60	0.83	5.12	4.35	1.65	12.88	3.80	46.38	17.64	89.88	19.89	194.95	38.31	0.67	4.42	23.93	1285
ML_01 - 111	0.04	11.24	0.11	1.67	3.92	0.16	24.08	8.26	103.89	38.64	184.75	35.91	316.13	58.78	0.05	27.38	19.64	1131
ML_01 - 112	0.00	40.60	0.09	1.52	3.99	0.59	23.65	8.21	109.74	41.16	203.91	43.03	395.05	77.98	0.19	127.46	26.52	1164
ML_01 - 113	0.03	18.00	0.29	4.78	7.78	2.30	35.15	11.24	133.84	48.29	225.48	43.65	392.17	75.06	0.43	18.28	17.18	1248
ML_01 - 114	0.37	12.74	1.03	8.61	9.66	2.83	34.22	10.97	131.54	47.15	231.51	48.97	441.86	86.75	0.48	3.26	20.39	1907
ML_01 - 116	0.00	5.97	0.01	0.32	0.64	0.36	4.72	1.62	21.68	9.33	50.59	11.88	133.72	32.28	0.63	139.09	55.07	1142
ML_01 - 117	0.05	14.04	0.41	5.84	9.24	1.39	36.47	9.91	110.97	37.62	168.57	31.70	274.57	51.99	0.23	9.90	11.47	1101
ML_01 - 118	0.02	41.73	0.07	1.28	2.58	0.55	14.99	5.13	60.78	23.32	112.13	23.76	224.28	44.13	0.27	158.54	23.68	1164
ML_01 - 119	0.05	47.48	0.51	8.08	13.01	1.17	58.00	18.54	221.98	76.61	340.21	62.94	523.64	94.89	0.13	26.90	13.16	689
ML_01 - 120	0.09	6.17	0.32	3.11	6.48	1.19	38.90	14.94	202.10	78.65	390.90	79.59	724.24	139.54	0.23	5.26	28.85	1996
ML_01 - 121	0.01	5.84	0.15	2.59	3.77	1.29	16.30	4.51	52.14	19.23	90.14	19.09	178.99	37.10	0.50	11.78	18.31	1001
ML_01 - 122	0.00	3.88	0.03	0.81	1.43	0.49	5.69	1.61	20.09	7.65	41.52	9.78	103.09	24.64	0.52	33.77	34.84	1039
ML_01 - 123	0.05	16.38	0.20	2.77	5.22	0.66	25.53	8.29	97.45	36.43	171.95	34.82	316.89	60.34	0.18	22.11	19.01	1241
ML_01 - 124	0.00	7.50	0.03	0.65	1.57	0.10	8.69	3.06	39.84	14.34	69.09	13.73	123.63	23.43	0.08	77.07	21.68	703

ML_01 - 125	0.07	23.35	0.15	1.53	2.57	1.28	13.26	3.75	44.59	15.81	76.82	17.09	162.19	33.14	0.67	38.61	20.10	1254
ML_01 - 126	0.01	10.65	0.16	2.84	6.83	0.32	35.73	11.55	135.72	48.97	224.77	43.54	366.73	68.63	0.06	19.90	15.45	1188
ML_01 - 127	1.40	20.48	1.60	12.56	13.34	5.92	44.31	10.27	95.68	30.16	124.71	25.08	243.72	47.52	0.74	2.87	8.63	2651
ML_01 - 128	0.00	4.04	0.08	1.72	4.93	0.16	30.80	11.85	153.89	58.62	277.14	55.25	500.02	94.01	0.04	14.32	24.55	1165
ML_01 - 130	0.01	23.44	0.19	3.26	7.60	0.35	45.64	15.22	187.68	66.95	305.40	56.91	470.73	83.20	0.06	36.02	14.66	668
ML_01 - 131	0.65	17.14	1.16	7.85	6.63	1.82	14.53	3.99	48.35	18.38	92.63	20.29	197.51	39.20	0.57	3.65	21.71	1197
ML_01 - 132	0.00	2.84	0.04	0.80	1.68	0.07	12.08	4.25	57.70	21.92	107.06	22.03	197.26	37.42	0.05	20.22	24.91	1216
ML_01 - 133	0.03	4.09	0.12	1.69	3.76	0.27	22.89	7.41	88.09	31.95	145.69	28.77	244.19	45.75	0.09	9.60	16.08	1117
ML_01 - 134	0.03	6.48	0.04	0.52	1.21	0.23	8.08	2.68	34.41	13.25	64.25	12.85	116.55	22.89	0.22	38.79	22.78	1745
ML_01 - 135	0.03	29.86	0.13	2.05	3.79	0.98	16.55	4.96	58.69	21.11	100.50	20.94	192.88	39.11	0.38	63.14	19.01	1231
ML_01 - 136	0.01	16.69	0.03	0.35	1.31	0.29	8.00	2.78	36.63	15.07	77.16	17.18	165.06	34.10	0.27	139.10	34.29	1858
ML_01 - 137	0.30	27.99	0.89	7.53	13.24	5.67	47.25	11.46	109.86	35.92	161.78	32.68	301.31	59.24	0.69	8.39	10.08	1888
ML_01 - 139	0.85	15.72	0.28	2.09	2.87	0.37	17.90	6.39	80.45	31.05	145.26	30.82	269.94	53.63	0.16	7.67	24.09	1668
ML_01 - 140	1.29	15.76	0.70	6.24	8.37	1.47	32.87	9.53	109.87	36.72	161.22	31.15	268.25	49.23	0.27	3.96	12.05	1232
ML_01 - 141	0.03	5.85	0.19	2.29	3.29	0.62	14.29	4.57	55.46	20.12	97.57	19.61	171.37	33.94	0.28	8.47	19.10	1669
ML_01 - 142	0.00	8.19	0.07	1.08	2.37	0.37	12.49	3.90	48.75	17.78	87.49	17.57	160.40	31.33	0.21	33.86	20.17	1153
ML_01 - 144	0.45	28.91	0.83	7.71	11.59	1.03	61.71	20.19	238.62	85.61	374.46	68.35	548.47	96.90	0.12	8.64	12.63	1089
ML_01 - 145	0.01	5.92	0.18	3.50	7.61	0.53	42.08	13.01	151.02	53.83	236.03	44.36	374.73	68.28	0.09	9.67	13.05	1189
ML_01 - 146	0.44	44.32	0.49	3.82	5.82	1.62	28.88	9.46	115.92	43.74	216.13	45.47	419.54	82.42	0.38	20.14	22.96	1167
ML_01 - 147	0.11	10.88	0.21	1.72	2.21	0.49	10.12	3.46	42.39	15.97	77.39	15.74	146.89	28.27	0.31	13.19	22.46	1625
ML_01 - 148	0.12	4.08	0.12	1.78	2.80	0.36	13.22	4.23	47.22	16.80	72.00	13.72	115.31	21.71	0.18	7.32	13.20	1736
ML_01 - 149	0.00	16.40	0.03	0.50	1.25	0.47	7.16	2.15	27.18	10.12	51.03	11.57	117.57	24.91	0.48	154.19	27.98	1237
ML_01 - 151	0.65	30.45	1.03	7.98	10.26	2.35	37.74	11.98	138.51	49.39	226.69	44.66	390.95	74.69	0.36	7.16	15.92	1173
ML_01 - 152	0.26	19.23	0.33	2.93	3.87	0.61	18.28	5.71	71.47	25.46	120.92	23.81	212.30	39.64	0.22	13.54	17.44	1085
ML_002 - 002	0.04	31.00	0.23	4.29	6.61	2.21	33.08	10.35	126.50	44.05	208.83	41.56	368.14	73.35	0.46	37.89	17.84	1551
ML_002 - 005	0.01	25.94	0.05	0.83	2.42	0.45	14.47	4.69	62.02	22.69	115.38	22.39	217.59	43.14	0.23	149.11	23.97	1123
ML_002 - 007	0.57	35.32	1.75	30.61	113.57	50.68	262.64	48.26	365.71	95.56	381.55	70.11	609.53	119.36	0.90	5.39	3.66	1535
ML_002 - 008	0.13	3.36	0.09	0.58	2.07	0.37	11.97	5.25	80.63	34.77	192.92	42.97	407.10	84.03	0.23	7.02	56.44	1633
ML_002 - 009	1.13	29.12	0.39	4.22	7.28	2.07	29.43	8.57	98.88	36.20	174.60	35.72	333.28	73.03	0.43	10.50	19.96	1014
ML_002 - 010	0.01	25.18	0.03	0.61	2.32	0.27	13.15	5.02	69.63	26.48	135.00	28.83	260.51	52.64	0.15	229.41	32.21	1876
ML_002 - 011	0.09	53.41	0.68	11.43	16.87	8.11	69.38	18.63	193.67	65.48	281.81	52.52	447.06	88.42	0.72	22.50	10.25	1150
ML_002 - 012	0.07	16.13	0.47	10.71	70.47	37.12	215.47	34.03	202.55	36.05	109.92	17.92	147.25	29.26	0.92	9.83	1.09	1851
ML_002 - 013	0.01	12.88	0.01	0.27	0.37	0.09	4.87	2.16	30.03	14.18	77.75	18.20	201.74	45.59	0.19	295.72	75.28	1720
ML_002 - 014	0.03	37.46	0.45	7.62	15.17	5.60	77.13	24.25	286.01	99.65	462.71	87.81	772.99	151.36	0.50	24.46	15.78	1138
ML_002 - 016	0.08	20.30	0.19	2.12	4.75	0.42	36.70	12.08	166.77	61.05	273.55	52.08	425.07	78.42	0.10	27.40	17.19	1639
ML_002 - 019	0.13	67.47	1.10	16.78	17.28	4.62	52.64	12.65	123.70	35.80	138.58	25.09	204.49	39.33	0.47	17.68	6.01	1985
ML_002 - 020	3.01	23.90	1.06	7.22	4.92	1.18	20.31	5.75	74.76	27.04	131.96	24.14	236.06	49.88	0.36	3.22	19.75	1583
ML_002 - 021	0.16	19.97	0.33	5.13	9.16	1.33	40.02	12.82	140.57	47.46	215.98	40.38	336.85	64.80	0.21	15.43	13.02	1152
ML_002 - 025	0.01	23.17	0.05	0.64	2.15	0.54	8.24	2.38	30.49	11.94	64.87	14.73	154.21	30.92	0.39	138.20	30.17	1688
ML_002 - 026	0.18	7.86	0.47	4.51	6.78	1.81	30.32	9.30	103.29	33.72	147.09	28.58	231.71	42.25	0.39	4.41	11.21	2474
ML_002 - 027	0.15	9.81	0.82	7.56	10.80	4.33	24.47	7.11	87.41	33.99	197.25	51.88	584.08	131.10	0.81	3.38	43.10	1551

ML_002 - 028	0.17	42.88	0.19	3.98	6.97	3.70	38.29	12.23	157.02	56.76	278.12	55.24	505.23	102.36	0.69	50.89	21.50	1335
ML_002 - 030	0.01	8.11	0.07	1.27	3.67	0.53	20.55	7.05	95.45	35.48	175.59	34.76	316.58	61.35	0.18	33.82	24.01	1097
ML_002 - 032	0.01	3.10	0.01	0.18	0.35	0.17	2.05	0.88	11.49	5.52	33.35	9.57	114.52	31.96	0.61	57.20	125.53	1825
ML_002 - 033	0.99	27.05	1.01	9.72	13.29	2.92	64.91	20.35	234.28	78.70	357.71	67.54	568.69	107.22	0.30	5.82	13.29	1436
ML_002 - 034	0.34	38.66	2.22	25.50	92.09	46.43	293.54	57.60	439.23	110.24	421.68	76.91	608.12	108.99	0.86	4.96	2.99	1174
ML_002 - 035	0.00	8.56	0.05	0.71	2.59	0.60	11.53	4.20	60.61	23.23	116.84	24.44	228.40	47.12	0.34	49.13	32.86	1278
ML_002 - 036	0.01	2.75	0.00	0.06	0.30	0.20	0.92	0.29	4.04	1.74	15.18	4.69	70.68	25.97	1.18	155.00	226.52	1265
ML_002 - 040	9.66	42.56	3.70	17.70	6.81	1.06	24.07	7.21	87.83	37.54	197.26	42.08	414.30	84.61	0.25	1.71	28.28	1286
ML_002 - 043	0.07	7.50	0.41	6.63	20.53	7.13	66.58	14.68	144.60	45.02	193.29	35.05	293.13	56.90	0.59	5.16	6.87	1491
ML_002 - 045	0.03	25.25	0.16	2.54	9.21	3.93	30.90	7.92	78.04	25.78	122.51	26.55	253.25	53.93	0.71	44.70	14.04	968
ML_002 - 046	0.28	13.06	0.61	7.98	16.25	4.99	88.02	27.26	313.42	114.45	506.42	93.39	797.90	157.04	0.40	5.43	14.35	1339
ML_002 - 047	0.58	21.08	0.37	2.39	1.93	0.49	6.84	2.71	33.54	13.55	67.51	16.56	158.14	35.01	0.41	10.53	41.15	1492
ML_002 - 048	0.02	31.85	0.15	3.02	7.31	2.85	33.40	11.07	130.41	49.25	247.65	52.08	468.63	95.53	0.56	59.58	23.01	1725
ML_002 - 049	0.02	46.90	0.23	3.77	6.82	1.93	24.58	6.72	71.02	24.30	109.16	21.66	197.32	40.88	0.46	59.55	13.38	1793
ML_002 - 051	0.19	24.84	0.95	11.41	23.52	10.87	83.19	24.24	252.29	86.70	403.10	80.03	735.44	150.01	0.75	7.31	14.50	1511
ML_002 - 052	0.02	7.64	0.32	5.86	11.82	1.25	46.05	13.58	150.18	48.34	203.18	37.89	311.37	59.07	0.16	7.04	10.32	1023
ML_002 - 053	0.14	14.51	0.18	1.90	4.67	1.48	22.74	6.11	72.63	27.13	130.05	26.47	251.83	49.78	0.44	18.87	17.60	1588
ML_002 - 058	0.01	19.72	0.07	1.32	2.71	0.51	12.36	4.18	47.45	15.44	74.16	15.40	133.01	25.62	0.27	79.58	16.68	1591
ML_002 - 059	0.01	27.31	0.19	3.28	9.40	0.51	53.54	16.47	206.29	72.49	339.53	66.54	588.06	110.84	0.07	43.74	16.65	1161
ML_002 - 060	0.29	8.66	0.88	8.87	31.25	16.61	76.92	13.96	99.41	25.37	91.10	17.09	144.74	27.99	1.04	2.63	2.93	1439
ML_002 - 062	1.00	14.70	0.74	4.00	5.89	1.74	21.90	5.77	67.82	25.10	121.72	23.99	227.98	48.78	0.47	3.90	17.92	1584
ML_002 - 064	0.44	33.73	0.49	4.16	4.11	1.45	21.51	6.96	98.98	39.73	207.90	44.77	417.11	92.48	0.47	15.31	34.59	723
ML_002 - 067	0.24	27.76	0.97	10.90	9.21	3.35	41.37	12.05	139.55	48.11	216.40	40.67	353.17	67.23	0.53	7.87	13.07	1798
ML_002 - 068	0.06	4.61	0.54	10.61	21.44	1.78	111.75	34.85	409.27	137.94	601.25	111.76	925.67	165.66	0.11	2.47	11.92	1694
ML_002 - 069	0.52	10.69	0.83	8.46	13.25	5.28	40.10	10.69	86.98	26.38	104.85	19.87	175.20	33.93	0.70	3.10	6.81	953
ML_002 - 071	0.01	3.41	0.08	1.88	4.56	0.38	23.49	7.48	89.01	31.65	152.58	30.24	262.31	52.83	0.11	12.30	18.09	977
ML_002 - 073	0.01	21.69	0.06	1.13	2.80	0.89	17.09	4.69	62.06	22.81	110.50	23.53	215.61	44.63	0.39	99.31	21.01	1166
ML_002 - 074	0.04	15.77	0.10	1.66	3.20	0.49	21.33	7.99	109.02	39.10	198.52	41.98	398.45	79.42	0.18	41.84	29.95	2641
ML_003 - 003	0.01	20.49	0.03	0.81	1.76	0.47	12.38	3.45	41.22	16.01	79.04	16.94	181.95	40.54	0.31	174.47	26.35	2507
ML_003 - 004	0.09	5.30	0.44	6.55	9.92	1.51	53.33	15.23	164.27	57.14	242.60	43.06	363.69	69.22	0.20	3.36	10.44	1047
ML_003 - 005	0.05	29.73	0.12	1.71	1.88	0.46	8.46	2.47	29.13	10.09	44.82	9.77	86.96	17.70	0.36	66.22	16.82	1201
ML_003 - 006	0.00	25.49	0.02	0.28	0.76	0.15	5.42	2.26	31.31	13.23	70.97	16.34	158.52	33.93	0.23	316.87	50.33	2974
ML_003 - 007	0.00	1.38	0.07	1.79	3.73	0.24	25.80	8.68	109.53	40.45	183.91	36.91	310.29	59.22	0.07	5.66	18.46	963
ML_003 - 008	0.00	21.52	0.06	1.17	3.02	0.59	14.27	4.19	50.50	16.95	83.97	16.98	154.88	29.81	0.28	99.23	16.81	1134
ML_003 - 011	0.38	13.38	0.69	6.28	6.85	2.35	32.76	10.23	117.87	40.57	197.81	40.95	390.27	81.59	0.48	4.81	20.03	1736
ML_003 - 013	0.02	0.61	0.07	1.09	4.52	0.10	32.18	10.27	98.64	22.58	71.20	11.06	80.43	12.54	0.03	2.42	3.13	1321
ML_003 - 015	1.49	26.32	1.92	13.37	13.70	5.56	49.22	14.80	162.50	50.59	216.66	38.62	324.00	60.18	0.65	3.17	9.84	1073
ML_003 - 016	0.01	12.66	0.03	0.88	1.54	0.33	7.86	2.38	31.41	11.86	61.82	13.79	126.84	27.18	0.29	128.66	27.83	1126
ML_003 - 018	0.01	20.14	0.06	1.00	2.91	0.19	18.15	6.11	75.14	28.15	132.99	26.84	229.71	44.31	0.08	98.74	19.63	2292
ML_003 - 019	0.01	5.01	0.02	0.88	2.16	0.24	18.43	6.45	90.31	36.18	183.98	37.02	331.30	66.72	0.12	74.46	29.12	2511
ML_003 - 020	0.08	26.67	0.40	4.64	7.47	2.44	29.13	7.74	85.62	28.58	125.14	25.04	216.06	38.87	0.50	18.64	10.73	2517

ML_003 - 021	0.76	5.47	1.11	6.53	6.06	2.79	27.90	8.09	102.95	33.80	159.86	36.05	349.85	72.38	0.66	1.18	20.87	2467
ML_003 - 025	0.52	14.40	0.43	3.76	5.35	1.25	27.93	8.28	99.38	37.05	170.80	32.88	277.15	53.08	0.31	6.86	15.29	1038
ML_003 - 026	0.01	19.54	0.06	1.15	1.88	0.25	12.70	4.97	60.27	24.97	130.90	28.06	272.65	56.35	0.16	85.87	35.69	2555
ML_003 - 027	6.73	34.90	2.68	12.45	6.89	0.58	26.42	9.12	109.98	38.98	182.99	36.09	315.90	63.49	0.13	1.98	19.33	1182
ML_003 - 031	0.24	21.38	0.29	1.47	1.92	0.41	16.08	5.45	82.22	32.99	160.26	35.62	337.98	65.28	0.23	16.82	32.65	1220
ML_003 - 032	0.01	10.63	0.06	0.43	2.75	0.49	21.87	9.63	129.66	56.61	288.99	62.21	597.46	121.01	0.19	51.18	44.51	1797
ML_003 - 033	0.01	6.86	0.05	1.25	2.41	0.21	16.08	5.42	67.33	23.78	112.26	22.00	200.97	39.01	0.10	39.55	19.51	1183
ML_003 - 034	0.07	8.93	0.60	7.30	12.64	0.72	56.11	16.01	170.09	57.11	242.90	45.63	354.17	65.12	0.08	4.30	9.33	1227
ML_003 - 036	0.01	23.79	0.02	0.76	1.23	0.39	8.14	3.25	42.79	16.46	87.18	19.42	180.78	38.67	0.37	270.66	38.22	1380
ML_003 - 038	0.09	42.56	0.73	9.89	13.44	2.93	48.09	13.75	148.52	49.73	222.80	44.41	374.19	71.77	0.35	16.75	12.01	1214
ML_003 - 041	0.01	5.97	0.13	1.87	3.30	1.72	16.93	5.41	67.88	26.08	135.21	30.41	314.01	71.69	0.70	13.87	34.07	2834
ML_003 - 042	0.01	5.28	0.09	1.30	2.33	1.13	13.20	4.15	54.08	21.65	115.15	25.53	280.76	64.91	0.62	16.74	39.54	1007
ML_003 - 044	0.01	6.34	0.04	0.91	2.30	0.10	14.63	4.87	59.21	22.11	109.87	21.40	187.85	35.86	0.05	39.59	19.71	607
ML_003 - 047	0.69	33.18	0.87	6.02	4.34	2.17	18.17	5.36	63.05	23.90	117.60	24.42	255.98	58.24	0.75	8.77	25.78	1745
ML_003 - 050	0.01	29.29	0.12	2.04	4.30	0.24	24.72	8.38	101.77	37.46	179.92	35.28	312.82	59.07	0.07	72.48	19.22	1163
ML_003 - 051	0.00	18.26	0.03	0.39	1.81	0.23	12.31	4.37	62.44	25.06	130.36	25.65	242.66	49.36	0.15	183.12	32.25	1154
ML_003 - 052	0.01	6.59	0.18	4.01	6.18	1.13	28.10	7.96	88.31	31.00	136.20	26.45	231.53	46.65	0.26	10.62	13.35	1191
ML_003 - 053	0.09	4.90	0.16	2.38	3.24	0.21	22.09	6.58	83.59	29.16	128.87	24.23	208.44	39.82	0.07	7.69	14.50	1179
ML_003 - 056	0.04	2.68	0.11	1.47	2.51	0.11	22.65	8.80	117.32	45.05	220.72	46.37	408.52	79.84	0.04	6.41	28.35	1099
ML_003 - 058	0.01	5.44	0.02	0.70	2.15	0.24	12.53	4.24	56.49	21.72	98.95	19.77	167.25	33.48	0.14	61.57	21.49	1440
ML_003 - 062	0.02	4.94	0.09	1.30	3.25	0.46	18.13	6.40	78.85	29.09	134.00	25.72	224.95	43.61	0.18	15.40	19.34	1159
ML_003 - 064	1.83	35.84	2.54	16.24	10.97	4.60	31.78	9.56	95.71	31.59	146.83	30.88	286.10	61.81	0.75	3.32	15.64	1882
ML_003 - 068	0.00	10.80	0.09	1.24	2.97	0.60	14.77	5.04	62.42	23.88	122.76	26.02	245.78	52.75	0.28	37.49	28.72	1272
ML_003 - 071	57.61	192.81	24.83	106.48	25.74	1.60	38.92	8.96	107.75	39.18	190.38	38.70	358.04	73.34	0.15	1.23	15.16	994
ML_003 - 074	0.02	39.35	0.15	2.99	4.64	0.95	22.21	6.69	74.41	26.06	123.94	24.46	225.74	46.41	0.29	74.75	16.81	1626
ML_003 - 076	0.18	5.68	0.12	0.95	0.64	0.51	8.13	3.00	42.31	17.06	91.72	21.69	215.72	42.77	0.68	8.78	42.31	1084
ML_003 - 077	0.01	9.19	0.05	1.81	2.34	0.72	13.03	4.32	50.64	19.45	102.06	21.20	205.68	45.14	0.40	47.39	27.87	983
ML_003 - 078	0.03	7.90	0.11	1.20	3.09	0.18	20.57	8.70	115.12	45.38	229.57	47.68	438.97	87.79	0.07	20.24	34.33	1105
ML_003 - 082	0.01	3.59	0.11	1.99	6.26	0.10	43.98	16.43	208.10	78.75	361.90	71.84	614.82	112.52	0.02	9.28	20.58	2544
ML_003 - 083	0.02	19.94	0.14	2.31	3.55	1.32	15.23	4.74	61.25	22.95	123.34	27.72	281.71	63.17	0.55	40.94	33.36	1179
ML_003 - 084	0.33	5.12	0.37	4.53	6.78	0.69	29.98	9.26	100.27	36.28	170.67	32.98	292.27	57.03	0.15	3.09	15.30	3144
ML_003 - 085	0.63	10.27	0.71	4.69	4.55	1.37	15.63	5.05	58.53	20.69	94.88	18.61	169.78	32.65	0.50	3.23	16.80	1325
ML_003 - 087	0.03	8.72	0.10	0.83	1.94	0.23	10.57	4.03	53.02	22.00	113.08	23.49	209.64	41.26	0.15	24.30	31.39	1404
ML_003 - 096	0.02	19.77	0.06	1.07	2.01	0.45	5.66	1.67	17.07	5.50	24.95	4.97	51.11	10.42	0.41	91.26	14.81	1797
ML_003 - 102	0.36	24.40	1.24	13.79	18.67	3.87	77.31	19.74	215.09	69.87	306.05	56.76	505.20	96.91	0.31	5.34	10.08	2505
ML_003 - 105	0.01	6.06	0.06	0.68	2.74	0.47	22.60	7.96	118.03	45.30	237.63	49.06	453.98	90.93	0.18	26.30	32.36	1302
ML_003 - 106	0.01	12.31	0.03	0.71	2.22	0.21	14.61	5.42	69.93	27.26	136.07	28.97	268.44	54.20	0.11	99.87	29.85	1358
ML_003 - 108	0.01	0.37	0.03	0.45	3.33	0.01	27.65	13.77	220.02	95.10	481.16	101.41	924.66	179.25	0.00	3.80	52.14	1223
ML_003 - 109	0.34	34.66	0.34	5.03	8.31	0.78	40.16	12.53	142.55	49.57	219.06	40.93	340.59	65.17	0.13	22.37	13.05	2677
ML_003 - 110	0.01	23.30	0.03	1.20	2.09	0.60	13.47	4.88	63.25	25.35	126.76	26.92	251.21	53.83	0.34	203.82	32.14	1112
ML_003 - 112	0.04	9.65	0.15	2.60	5.48	0.74	33.26	10.65	139.66	48.80	221.92	43.47	364.85	68.35	0.17	16.96	16.53	992

ML_003 - 113	0.01	5.12	0.07	1.28	3.04	0.03	14.73	5.36	61.67	23.26	108.77	21.18	190.97	36.97	0.01	20.33	20.19	1056
ML_003 - 114	1.75	21.21	1.29	10.66	12.36	1.09	51.82	15.96	168.62	59.57	260.45	47.37	377.18	68.97	0.13	3.24	10.71	1717
ML_003 - 115	0.00	4.40	0.09	2.40	3.33	1.19	18.77	6.92	88.92	38.14	210.20	49.08	513.32	120.55	0.46	14.22	51.65	1730
ML_003 - 116	0.00	14.53	0.17	3.60	9.16	0.84	51.39	16.27	202.87	75.83	354.99	66.90	579.89	110.64	0.12	25.97	17.32	2371
ML_003 - 117	0.23	49.37	0.43	3.71	4.69	1.44	21.91	7.41	92.15	35.86	187.88	40.64	408.73	84.59	0.43	28.91	31.06	1449
ML_003 - 118	0.00	33.22	0.09	1.73	3.46	0.87	16.24	5.71	71.19	24.92	127.12	26.71	253.05	51.57	0.36	105.63	25.55	2547
ML_003 - 120	4.24	36.42	1.42	5.79	2.61	0.37	9.58	3.19	44.75	17.27	91.25	20.75	203.85	41.11	0.23	3.56	34.50	1295
ML_003 - 122	0.11	22.38	1.88	30.22	38.95	2.49	150.68	40.81	449.38	147.66	634.97	117.03	958.18	178.34	0.10	3.52	9.52	2561
ML_003 - 125	0.01	23.33	0.15	2.28	4.25	0.63	21.31	6.96	80.84	31.70	148.76	30.88	279.88	56.38	0.20	44.95	21.28	1231
ML_003 - 126	0.13	27.90	0.20	2.97	4.72	0.63	21.64	6.74	77.47	27.69	128.01	25.08	213.87	42.02	0.19	33.78	15.62	1287
ML_003 - 130	2.84	13.11	1.43	11.42	9.62	1.94	43.18	12.71	141.86	48.49	212.47	39.47	330.03	61.00	0.29	1.55	11.36	1103
ML_003 - 132	0.00	0.59	0.00	0.02	0.27	0.05	0.88	0.45	6.23	2.74	17.06	4.33	47.65	12.45	0.33	47.27	114.21	1626
ML_003 - 134	0.01	7.87	0.12	1.66	5.88	0.53	30.48	10.62	132.76	49.78	233.59	46.62	398.44	79.53	0.12	19.43	20.99	1765
ML_003 - 135	0.01	0.80	0.05	0.68	2.61	0.07	17.21	6.90	86.50	33.52	162.80	32.46	287.78	56.46	0.03	4.85	26.39	2782
ML_003 - 137	0.00	1.45	0.14	1.98	6.69	0.26	41.57	14.91	190.22	71.70	349.11	70.18	622.82	121.39	0.05	3.18	23.48	1919
ML_006 - 001	0.11	23.64	0.61	9.02	16.63	2.35	84.45	24.68	283.84	98.28	436.45	82.77	694.73	132.21	0.19	11.02	12.59	2312
ML_006 - 001a	0.00	8.81	0.05	0.82	1.67	0.12	10.55	3.68	47.60	18.21	90.17	18.27	163.88	31.96	0.09	53.19	24.37	1838
ML_006 - 002a	0.00	8.25	0.05	1.03	2.21	0.14	12.91	4.52	55.16	21.39	101.90	20.88	182.79	36.11	0.08	47.18	22.50	1838
ML_006 - 003	0.02	8.66	0.04	0.89	1.43	0.19	10.83	3.77	48.79	18.44	89.29	18.24	163.28	32.17	0.15	50.79	23.90	1860
ML_006 - 003a	0.00	6.39	0.04	0.73	1.19	0.12	7.49	2.69	33.46	12.67	63.05	12.55	114.78	22.60	0.12	47.21	24.26	1831
ML_006 - 004	0.02	8.69	0.07	1.21	2.96	0.23	17.11	6.02	71.34	26.72	127.29	25.28	220.71	42.72	0.10	35.71	20.09	1805
ML_006 - 004a	0.03	14.61	0.08	0.91	1.72	0.20	13.91	4.70	60.07	22.60	112.63	22.84	203.70	40.34	0.12	46.49	23.32	1857
ML_006 - 005	0.21	8.29	0.21	2.13	3.50	1.28	19.50	5.65	66.26	23.40	109.68	21.36	191.49	36.60	0.47	8.54	15.10	1704
ML_006 - 005a	0.02	8.02	0.06	0.97	1.91	0.45	12.24	4.23	55.23	21.08	103.47	21.98	195.93	40.86	0.28	34.09	26.85	1857
ML_006 - 006a	0.02	9.00	0.30	4.31	8.35	1.50	44.85	13.68	169.63	59.17	267.18	52.88	463.32	90.37	0.24	8.83	16.21	1820
ML_006 - 007	0.06	2.21	0.11	2.20	4.29	0.04	11.82	2.69	22.67	6.42	24.69	4.32	34.97	6.04	0.02	4.95	4.11	2428
ML_006 - 008a	0.40	15.19	0.76	6.05	7.57	2.90	20.68	4.89	52.87	18.18	89.79	18.88	173.95	33.97	0.71	4.99	13.21	2122
ML_006 - 009	0.07	12.19	0.11	1.48	2.66	0.37	12.54	3.71	42.20	14.95	67.11	12.69	106.09	20.15	0.19	27.63	12.92	1865
ML_006 - 010	0.03	19.90	0.36	5.51	8.76	1.67	33.52	8.85	96.83	31.91	142.32	26.99	232.77	44.86	0.30	16.33	10.77	2242
ML_006 - 011	0.62	35.75	2.28	20.49	20.16	8.51	56.49	15.72	149.46	46.33	207.32	38.97	357.46	70.89	0.77	4.28	10.09	2433
ML_006 - 011a	0.01	3.00	0.12	2.62	5.43	0.28	28.13	8.39	90.93	32.02	146.81	27.71	247.10	47.30	0.07	7.10	13.52	2266
ML_006 - 012	0.01	10.15	0.12	1.98	3.31	0.43	23.36	8.59	119.86	42.87	214.65	42.41	374.87	75.92	0.15	25.58	26.14	1953
ML_006 - 012a	0.02	6.95	0.07	1.10	2.13	0.28	10.59	3.24	41.76	15.07	73.46	14.68	135.98	26.98	0.18	26.96	20.50	1861
ML_006 - 013	0.03	6.47	0.08	1.13	1.91	0.13	7.82	2.42	25.95	8.49	39.79	7.85	69.63	14.18	0.10	21.90	14.58	1814
ML_006 - 014a	0.54	18.30	0.90	8.33	14.78	6.12	57.17	15.54	154.72	52.18	227.64	44.85	403.62	75.10	0.64	4.97	10.57	2373
ML_006 - 015a	0.42	13.69	0.61	4.91	6.67	2.09	26.25	7.64	88.78	30.84	142.02	27.73	240.65	46.00	0.48	5.33	14.10	2615
ML_006 - 017	0.01	8.05	0.04	0.69	1.86	0.04	7.85	2.74	37.85	14.40	70.57	13.92	127.24	26.41	0.04	52.30	27.08	2573
ML_006 - 017a	0.01	27.52	0.17	2.90	7.27	0.62	34.70	10.77	127.05	43.01	198.83	39.64	345.73	64.44	0.12	47.67	14.94	2086
ML_006 - 018	0.15	9.12	0.23	1.32	1.52	0.35	8.73	4.36	62.78	25.70	136.98	30.38	297.69	59.74	0.29	9.53	55.05	1868
ML_006 - 018a	0.02	11.23	0.11	1.73	2.93	0.63	15.67	5.26	67.78	25.22	123.44	25.68	230.45	44.59	0.28	29.11	22.89	1858
ML_006 - 019	0.01	2.33	0.04	0.63	2.58	0.24	17.85	4.94	43.72	10.57	33.86	4.93	31.71	5.11	0.11	15.90	2.30	1872

ML_006 - 019a	0.01	19.25	0.07	1.11	2.21	0.19	14.12	5.06	66.72	25.17	125.44	25.20	227.84	44.39	0.10	76.14	25.29	1699
ML_006 - 020	0.01	5.12	0.03	0.74	1.38	0.08	8.18	2.91	39.31	14.49	68.31	13.76	121.13	24.13	0.07	52.44	23.72	1849
ML_006 - 020a	0.01	7.70	0.03	0.55	1.59	0.15	8.65	3.46	45.40	18.02	90.65	19.45	183.08	36.50	0.12	70.12	33.95	1837
ML_006 - 021	0.30	28.09	0.18	1.58	2.71	0.40	13.47	3.96	44.00	14.42	65.13	12.14	105.64	19.94	0.20	28.86	11.91	1790
ML_006 - 022	0.01	5.41	0.02	0.37	0.84	0.06	5.29	1.93	28.20	11.98	63.04	14.03	139.61	28.25	0.09	66.30	42.91	1830
ML_006 - 022a	0.65	7.92	0.86	7.40	9.14	4.73	31.31	10.24	110.66	30.57	121.61	23.31	199.69	38.05	0.85	2.14	9.78	1727
ML_006 - 024	0.00	10.88	0.03	0.99	1.96	0.12	10.31	3.39	42.74	17.03	81.23	17.25	155.22	29.69	0.08	106.48	23.16	1842
ML_006 - 025a	0.00	24.66	0.14	2.62	5.81	0.39	28.03	8.41	91.16	30.15	129.90	24.57	201.87	38.40	0.09	53.79	11.02	1688
ML_006 - 026	0.02	27.18	0.35	5.18	10.53	0.64	55.07	17.12	208.57	71.89	323.37	64.11	529.12	98.37	0.08	23.27	14.37	1858
ML_006 - 026a	1.03	27.02	1.52	10.22	11.56	5.16	30.58	7.03	65.30	19.20	80.91	15.39	137.14	25.43	0.84	4.24	6.69	1826
ML_006 - 027	0.01	18.37	0.06	1.04	2.40	0.41	11.78	3.54	42.52	15.15	73.50	15.23	142.54	28.28	0.23	93.50	19.31	1827
ML_006 - 028a	0.05	8.48	0.20	1.63	4.16	0.67	18.87	7.50	102.79	41.04	205.56	43.58	391.96	80.13	0.23	11.78	34.16	2427
ML_006 - 029	0.51	17.10	0.69	5.90	7.85	3.55	31.98	9.48	99.27	33.97	165.24	33.23	284.20	57.75	0.69	5.80	14.52	1926
ML_006 - 029a	0.03	9.76	0.20	3.29	5.76	0.89	22.64	5.51	54.64	16.49	69.14	12.68	106.39	20.03	0.24	13.61	7.12	2562
ML_006 - 030	0.09	7.43	0.20	2.73	3.54	1.07	18.19	5.99	74.99	27.70	129.33	25.10	227.05	43.93	0.41	9.62	19.42	1793
ML_006 - 030a	13.60	54.25	4.90	26.64	15.71	5.61	38.71	10.58	111.99	37.60	176.91	35.72	318.73	61.49	0.70	1.60	12.78	2425
ML_006 - 031	0.10	8.65	0.17	2.05	2.33	0.71	10.13	3.18	38.35	13.89	67.89	15.37	131.89	29.89	0.45	12.58	23.73	1860
ML_006 - 032	0.01	6.63	0.06	0.69	1.40	0.19	8.25	2.78	34.42	12.95	62.46	13.01	116.86	22.99	0.17	30.47	22.42	2365
ML_006 - 033	0.91	15.32	4.60	39.74	38.72	17.11	73.55	18.56	172.10	49.22	218.83	48.19	473.92	83.53	0.98	0.93	9.13	1902
ML_006 - 033a	0.05	15.16	0.13	1.34	3.29	0.57	18.40	6.24	80.72	29.53	140.34	28.32	245.48	45.35	0.22	30.61	19.83	1862
ML_006 - 034	0.03	6.79	0.07	0.22	0.93	0.20	3.68	1.41	19.74	8.11	45.40	10.94	116.16	25.09	0.32	25.25	54.87	1895
ML_006 - 034a	0.03	8.84	0.03	0.48	1.14	0.18	7.11	2.56	31.89	12.70	59.52	12.57	115.70	23.01	0.20	64.70	26.05	1810
ML_006 - 035	0.08	15.25	0.38	5.18	8.20	0.86	40.81	12.07	141.09	48.97	223.21	42.33	361.65	67.01	0.14	11.22	13.21	1812
ML_006 - 035a	0.12	10.47	0.19	1.90	2.58	0.75	13.12	4.45	52.96	20.28	96.04	20.15	185.41	36.10	0.39	13.28	22.12	2400
ML_006 - 036	0.00	10.63	0.03	0.72	1.94	0.11	11.56	4.35	56.26	21.51	110.21	22.41	207.34	40.03	0.07	95.18	27.85	2379
ML_006 - 037	0.00	5.07	0.09	1.65	3.40	0.52	17.06	5.58	67.87	24.67	115.73	22.86	192.74	36.49	0.21	15.83	17.20	2438
ML_006 - 037a	0.00	7.55	0.02	0.44	0.74	0.10	5.23	2.02	27.42	11.28	60.40	13.29	127.42	26.35	0.15	116.36	40.55	1837
ML_006 - 038	0.24	10.74	0.19	1.65	3.63	0.98	17.89	5.21	58.71	21.25	100.31	19.61	178.34	34.05	0.37	11.30	15.31	1847
ML_006 - 039	0.00	6.94	0.05	1.14	2.48	0.27	13.52	4.66	55.59	21.02	97.93	19.52	176.06	34.15	0.14	38.17	20.31	1828
ML_006 - 039a	0.01	11.77	0.03	0.27	1.73	0.12	6.98	2.04	21.37	8.89	41.11	9.22	87.93	23.12	0.11	97.61	26.63	1842
ML_006 - 040	0.00	8.59	0.06	1.21	3.29	0.21	17.17	5.44	67.76	24.91	117.88	22.68	208.95	39.91	0.08	39.67	18.70	1807
ML_006 - 041	0.05	15.80	0.29	3.73	5.51	1.17	21.08	5.76	62.67	20.52	92.74	19.10	173.96	33.55	0.33	15.68	12.80	1819
ML_006 - 041a	0.00	6.95	0.07	0.86	1.47	0.16	11.30	3.72	47.03	16.90	82.29	16.92	151.03	30.35	0.12	27.57	21.60	1850
ML_006 - 042	0.01	10.25	0.13	2.61	4.79	0.73	20.87	5.61	57.48	18.79	80.75	15.25	121.49	22.12	0.22	22.57	8.52	2493
ML_006 - 042a	0.07	7.05	0.09	0.55	0.82	0.27	6.28	2.17	27.02	11.31	62.77	14.80	147.10	34.03	0.36	17.76	43.57	1853
ML_006 - 043	0.00	2.27	0.01	0.27	1.04	0.11	12.20	5.20	67.15	23.36	106.12	21.01	179.68	33.25	0.10	49.30	21.92	1843
ML_006 - 043a	0.00	11.39	0.04	0.87	1.89	0.08	10.66	3.79	48.05	17.94	87.04	18.55	161.93	31.58	0.05	79.97	23.83	1837
ML_006 - 044	0.01	8.38	0.02	0.30	1.13	0.09	7.08	2.88	38.81	15.10	79.20	18.10	161.61	33.03	0.10	97.08	37.52	1704
ML_006 - 044a	13.15	65.08	9.97	51.35	14.78	2.49	23.94	5.87	58.15	20.46	99.80	20.96	195.74	38.85	0.41	1.30	13.05	2431
ML_006 - 045	0.06	6.83	0.15	0.94	2.80	0.43	10.10	3.33	43.19	15.96	75.67	14.25	129.99	26.20	0.25	12.22	20.87	2717
ML_006 - 045a	0.00	6.37	0.03	0.58	1.17	0.12	7.31	2.50	32.29	12.47	61.43	12.83	115.46	23.28	0.13	57.33	25.61	1814

ML_006 - 046	0.01	6.77	0.06	0.80	1.72	0.17	9.04	3.17	39.45	14.54	70.48	14.57	132.80	25.85	0.13	29.91	22.99	1844
ML_006 - 047	0.57	17.46	0.91	4.36	2.90	0.80	3.52	0.93	14.90	6.72	43.56	12.24	158.82	42.74	0.76	4.67	97.61	1764
ML_006 - 047a	0.01	7.99	0.08	1.43	2.71	0.26	14.16	4.79	58.68	21.21	101.13	19.85	181.65	34.10	0.13	27.73	19.37	1853
ML_006 - 048	0.01	24.52	0.05	1.06	2.53	0.44	12.93	3.79	44.32	16.01	74.07	15.27	142.30	27.88	0.23	130.09	17.35	1764
ML_006 - 049	0.06	6.81	0.02	0.35	0.66	0.05	5.41	1.98	28.52	11.48	61.99	13.65	121.03	23.75	0.08	44.54	35.30	1840
ML_006 - 049a	0.01	6.03	0.04	0.80	1.27	0.16	7.80	2.88	35.79	13.70	66.29	13.62	125.49	24.49	0.16	37.87	25.25	1835
ML_006 - 050	0.03	8.85	0.05	0.83	2.93	0.29	19.91	7.45	98.25	37.00	182.41	38.52	338.84	68.06	0.12	43.44	27.50	1608
ML_006 - 051	0.01	3.91	0.04	1.21	3.00	0.21	13.82	3.67	36.28	10.92	46.87	8.68	78.48	14.61	0.10	27.31	8.50	1857
ML_006 - 052	0.00	28.48	0.07	1.07	2.18	0.31	9.44	3.07	34.64	12.87	59.72	11.97	111.30	22.11	0.21	118.34	18.84	2384
ML_006 - 053	0.04	3.15	0.05	0.79	1.44	0.34	13.61	5.44	88.44	38.41	233.13	58.75	601.18	126.85	0.24	13.52	74.99	1766
ML_006 - 054	1.90	43.75	2.59	16.85	14.67	7.67	52.82	13.40	158.19	57.01	246.72	53.28	496.27	94.38	0.84	3.95	14.37	1846
ML_006 - 055	0.97	12.44	3.85	46.58	104.06	54.47	356.75	77.02	542.35	117.09	354.08	50.66	326.40	46.77	0.86	0.89	1.05	1856
ML_006 - 058	0.16	10.12	0.25	2.60	2.62	0.68	13.30	4.11	51.52	19.87	97.44	21.02	196.68	40.82	0.35	9.88	24.68	2397
ML_006 - 059	0.07	10.23	0.20	2.26	4.94	0.63	28.78	10.07	128.78	51.61	259.41	50.67	469.92	93.70	0.16	13.69	26.18	1669
ML_006 - 060	53.62	119.92	13.29	54.19	13.59	0.64	32.68	10.38	132.06	54.68	276.26	57.29	513.00	103.49	0.09	1.05	25.47	1853
ML_006 - 063	0.01	11.72	0.03	0.96	2.02	0.25	13.84	4.97	65.78	26.27	129.09	26.41	237.68	48.13	0.15	95.39	27.98	1996
ML_006 - 066	1.16	36.24	2.56	26.56	53.08	32.96	194.58	41.53	324.38	83.01	326.95	54.80	474.47	90.27	0.99	3.63	3.73	2351
ML_006 - 068	0.34	14.79	0.83	9.37	14.00	3.04	48.78	12.93	133.52	42.26	180.96	33.19	289.54	55.29	0.36	4.61	9.12	1913
ML_006 - 069	0.10	12.68	0.44	5.48	7.28	0.95	31.10	9.54	107.66	37.06	163.73	32.15	272.73	51.42	0.19	8.08	13.30	1743
ML_006 - 070	0.00	9.71	0.06	1.29	3.25	0.15	14.88	4.61	53.05	19.06	96.00	20.77	190.23	37.38	0.07	48.96	20.21	1886
ML_006 - 071	0.07	12.90	0.45	4.95	8.99	0.68	36.47	11.47	139.65	49.45	220.35	42.23	348.46	65.84	0.12	8.18	14.52	1843
ML_006 - 074	6.01	46.92	2.35	17.99	14.29	1.93	43.01	10.01	95.95	27.43	111.33	19.63	159.74	29.79	0.24	3.00	5.57	1923
ML_006 - 075	5.25	30.89	4.01	19.71	6.92	0.81	17.02	5.35	62.16	22.90	112.74	23.29	208.40	42.88	0.23	1.54	20.26	1766
ML_006 - 079	0.94	42.23	1.13	8.32	10.37	4.75	24.98	7.72	76.33	25.08	119.36	25.43	258.05	56.74	0.90	8.53	18.27	2497
ML_006 - 080	0.04	17.28	0.06	1.30	1.64	0.29	9.06	2.90	32.81	11.52	53.60	10.64	93.04	18.10	0.23	68.10	16.07	2547
ML_006 - 082	0.01	6.45	0.03	0.58	1.44	0.32	9.47	3.27	44.85	16.34	84.44	17.28	156.26	33.14	0.27	59.87	28.15	1935
ML_006 - 083	0.98	28.12	1.44	10.90	14.26	3.54	49.57	14.06	140.49	48.57	219.31	42.71	363.23	69.18	0.41	4.64	11.23	1879
ML_006 - 084	0.11	7.16	0.20	2.26	3.25	0.36	16.96	5.55	64.54	23.57	108.52	21.32	181.83	35.07	0.15	9.03	16.64	1844
ML_006 - 085	1.15	29.21	1.55	9.34	10.41	4.04	36.61	10.53	120.55	42.40	188.37	37.37	325.92	63.09	0.63	4.41	13.86	2415
ML_006 - 088	0.01	20.86	0.04	0.86	2.35	0.13	15.70	5.22	69.52	26.99	137.42	27.59	244.27	50.56	0.06	138.15	25.91	1790
ML_006 - 090	0.20	5.47	0.27	2.03	3.04	0.64	13.68	5.86	80.69	29.92	154.33	33.16	315.41	64.52	0.30	4.71	37.95	2170
ML_006 - 094	0.68	14.30	1.05	6.44	9.61	1.63	37.30	16.82	248.83	98.78	493.67	103.23	896.49	177.24	0.26	3.27	38.23	1723
ML_006 - 096	0.40	15.08	0.87	9.20	10.57	2.16	45.97	12.88	141.29	47.41	204.58	38.88	317.58	58.70	0.30	4.44	10.27	1738
ML_006 - 098	0.09	14.94	0.49	9.04	16.81	1.67	95.02	30.51	382.88	140.78	674.31	126.22	1085.12	211.61	0.13	8.57	17.91	1861
ML_006 - 099	0.00	1.20	0.03	0.22	1.04	0.39	5.46	1.81	20.51	7.14	32.51	6.71	62.49	13.22	0.51	12.99	19.47	1873
ML_006 - 100	2.32	28.39	2.90	18.44	17.27	7.98	51.65	14.68	142.45	43.62	183.21	34.15	275.91	49.89	0.82	2.25	7.77	2547
ML_006 - 102	0.03	6.90	0.16	2.68	5.15	0.66	33.08	12.14	148.14	54.94	258.50	51.04	454.50	88.21	0.16	12.30	21.45	2297
ML_006 - 104	0.73	15.22	1.00	7.91	7.93	1.51	31.46	9.08	106.15	36.76	169.46	31.48	271.99	51.52	0.29	3.57	13.17	1805
ML_006 - 105	0.11	10.95	0.39	5.40	8.59	1.07	46.00	13.72	166.50	59.33	282.45	51.85	443.40	84.01	0.17	7.66	14.69	1908
ML_006 - 106	0.01	8.12	0.10	1.46	3.27	0.78	19.17	5.52	76.59	27.96	133.70	26.48	236.09	47.19	0.30	22.72	19.80	1885

ML_006 - 107	1.19	27.91	2.40	18.32	44.01	45.87	219.44	40.41	270.30	64.14	263.92	60.53	651.44	134.79	1.43	2.94	4.94	1920
ML_006 - 109	0.15	9.66	0.74	13.01	54.69	33.70	256.93	42.31	240.82	54.68	196.29	35.35	285.61	52.20	0.87	3.66	1.63	1842
ML_006 - 110	5.06	19.86	0.95	4.80	5.50	1.56	22.41	6.70	88.87	34.55	167.58	34.07	303.91	62.18	0.43	2.04	22.32	1862
ML_006 - 114	0.01	11.13	0.14	1.34	3.91	0.68	22.01	7.17	94.06	34.06	155.15	31.82	280.09	54.70	0.23	22.64	19.99	1827
ML_006 - 115	0.00	7.58	0.09	1.44	2.75	0.12	19.13	6.93	85.10	31.60	151.77	29.04	255.98	48.47	0.05	26.06	20.38	1929
ML_006 - 116	0.52	14.75	0.74	7.54	11.66	0.84	57.37	18.23	214.71	77.80	357.09	64.54	517.10	96.86	0.10	4.72	13.58	2083
ML_006 - 117	0.06	8.85	0.37	5.13	7.46	1.17	33.08	10.27	114.63	38.48	171.83	31.98	269.07	50.54	0.23	6.80	12.29	1783
ML_006 - 118	0.53	11.33	1.02	7.41	9.39	5.46	29.81	7.32	78.28	26.09	126.52	26.50	240.08	47.67	1.00	2.78	12.86	1874
ML_006 - 121	0.02	8.29	0.14	1.86	3.96	0.55	21.43	6.96	85.36	32.85	160.91	34.07	325.97	66.87	0.18	16.65	25.09	2716
ML_006 - 125	0.01	7.91	0.07	0.87	1.76	0.39	12.91	4.65	60.76	23.08	113.66	22.63	209.76	41.37	0.25	32.39	25.77	1933
ML_006 - 126	0.01	7.32	0.13	1.97	3.27	0.55	16.59	5.40	62.47	22.30	105.99	20.64	184.15	34.46	0.23	16.64	16.70	2007
ML_006 - 127	0.01	12.82	0.11	2.23	4.07	0.57	25.27	8.40	111.18	40.42	193.95	38.67	338.22	69.84	0.17	34.13	22.23	1854
ML_006 - 129	0.00	12.66	0.06	0.98	2.52	0.41	16.22	5.41	69.45	26.44	127.65	25.86	233.64	45.92	0.19	64.43	22.78	1825
ML_006 - 130	0.01	1.52	0.04	0.58	2.40	0.18	15.50	5.91	68.49	18.74	69.56	11.50	91.87	16.91	0.09	11.31	8.78	1747
ML_006 - 132	0.01	4.23	0.09	1.62	3.85	0.33	29.51	11.12	154.89	59.40	298.66	60.35	548.39	106.20	0.10	14.45	28.94	1910
ML_006 - 133	0.12	11.55	0.17	3.48	4.58	0.92	21.69	7.19	92.83	31.99	154.35	30.31	268.45	52.47	0.28	15.69	19.45	1760
ML_006 - 137	0.32	9.03	0.36	2.67	7.08	4.32	34.29	8.50	79.31	23.00	94.87	17.45	154.19	29.59	0.85	5.56	6.94	1637
ML_006 - 138	0.00	8.36	0.05	0.91	2.35	0.53	14.77	4.97	66.01	25.69	123.26	25.19	226.16	45.71	0.27	47.56	24.90	1819
ML_006 - 139	0.04	10.77	0.20	2.95	4.46	0.54	22.77	6.71	87.06	31.33	143.05	26.56	241.10	45.19	0.16	14.80	15.96	2016
ML_006 - 140	0.00	2.59	0.11	1.55	2.33	0.44	11.96	3.68	36.49	13.15	64.25	13.27	125.07	25.26	0.26	7.08	16.99	1749
ML_006 - 141	0.02	14.69	0.06	1.13	2.03	0.09	11.10	4.00	47.43	18.40	89.29	18.82	166.83	33.33	0.06	69.08	24.15	1870
ML_006 - 142	0.05	8.47	0.34	5.74	6.93	1.13	32.71	10.41	111.63	38.38	170.78	31.07	273.17	49.71	0.23	7.20	12.23	1883
ML_006 - 147	0.01	12.25	0.03	0.38	1.30	0.26	8.02	2.60	35.12	12.97	69.26	14.86	138.63	28.33	0.24	130.32	28.42	1870
ML_006 - 148	0.02	9.24	0.26	4.40	7.85	1.06	35.13	10.21	116.26	38.63	166.90	32.23	267.82	51.22	0.19	10.27	11.73	1914
ML_006 - 150	2.58	47.06	3.60	24.66	28.55	12.14	76.77	19.43	197.61	62.12	278.44	56.42	471.85	93.12	0.79	3.07	9.76	1760
ML_006 - 151	5.76	66.81	8.01	49.30	33.49	13.13	63.80	13.97	140.48	42.93	185.13	36.16	325.38	62.07	0.87	1.96	7.83	2384
ML_006 - 154	0.01	16.21	0.07	1.23	2.15	0.18	13.47	4.61	59.26	23.49	118.69	23.32	216.98	43.71	0.10	67.94	26.10	1740
ML_006 - 155	0.01	12.25	0.08	1.30	2.61	0.23	13.34	4.34	55.37	21.34	94.49	18.92	175.98	34.35	0.12	42.70	20.72	1732
ML_006 - 156	0.50	8.14	0.35	2.26	2.27	0.62	9.73	4.22	70.29	32.11	200.90	55.74	654.65	147.70	0.40	4.49	122.14	1835
ML_006 - 157	0.00	1.06	0.06	0.40	1.90	0.10	12.33	3.66	40.39	12.67	56.77	11.15	98.86	18.65	0.06	5.56	12.16	1849
ML_006 - 159	0.11	24.93	0.89	12.52	17.33	0.81	75.18	23.19	275.25	96.24	435.62	77.50	645.75	120.83	0.07	8.11	12.93	2333
ML_006 - 160	0.00	7.72	0.04	0.43	1.48	0.25	9.55	3.10	37.87	13.26	62.71	12.56	107.74	21.47	0.21	58.16	18.08	2152
ML_006 - 161	0.02	11.29	0.04	0.59	1.02	0.16	7.97	3.04	41.44	16.53	83.79	17.94	164.28	33.53	0.17	67.19	33.83	1831
ML_007 - 001	0.01	16.76	0.35	4.85	9.38	1.25	46.16	13.74	163.69	61.95	270.79	51.52	435.86	80.72	0.18	14.24	14.07	1866
ML_007 - 002	0.01	12.76	0.05	0.75	1.85	0.17	12.11	4.58	55.42	20.75	100.01	19.81	176.95	35.16	0.11	78.79	23.36	1856
ML_007 - 003	0.00	1.82	0.01	0.16	0.41	0.12	1.96	0.82	11.62	4.86	27.39	6.59	71.41	17.48	0.40	63.76	71.66	1679
ML_007 - 004	0.18	5.69	0.89	10.40	18.13	6.38	61.44	16.91	182.05	63.77	288.77	55.82	471.57	87.85	0.58	1.79	11.50	2442
ML_007 - 005	0.01	5.45	0.05	0.90	1.37	0.18	11.16	4.04	47.34	18.60	92.03	17.32	165.17	33.69	0.14	31.88	24.29	1839
ML_007 - 006	0.06	13.68	0.06	0.92	2.19	0.21	11.55	4.18	50.35	20.07	97.45	22.08	198.42	39.79	0.13	49.04	27.70	1816
ML_007 - 007	0.01	4.26	0.00	0.05	0.03	0.08	1.26	0.71	8.68	4.88	30.32	8.93	108.09	30.58	1.15	226.86	194.95	1557
ML_007 - 008	0.00	13.59	0.13	2.13	6.58	0.31	37.80	12.31	148.59	55.20	266.41	50.02	427.57	82.07	0.06	31.96	17.47	1845

ML_007 - 009	0.01	8.54	0.03	0.78	1.46	0.21	10.40	3.77	46.03	16.91	89.87	17.25	159.04	31.91	0.16	71.06	24.68	1830
ML_007 - 011	0.09	12.51	0.83	9.86	13.45	1.72	52.37	14.25	155.15	53.53	228.66	41.31	338.28	62.60	0.20	4.35	9.62	1785
ML_007 - 013	0.14	15.33	1.06	12.80	19.77	1.92	102.38	29.28	330.68	113.38	473.35	84.83	684.37	125.62	0.13	4.13	9.87	1844
ML_007 - 015	0.99	50.88	1.08	5.44	4.07	0.85	17.76	5.99	82.89	32.69	162.23	32.34	291.35	58.40	0.31	10.49	26.45	2061
ML_007 - 016	0.09	7.98	0.29	2.83	4.35	1.93	15.12	4.01	43.84	14.11	65.26	14.33	124.75	24.49	0.73	7.45	13.03	1843
ML_007 - 017	0.00	9.89	0.02	0.31	1.09	0.05	7.06	2.67	32.58	13.46	68.18	14.29	129.17	25.94	0.06	139.93	29.55	1874
ML_007 - 018	0.99	16.85	4.03	32.54	33.30	13.52	84.13	23.95	261.97	87.54	418.43	85.53	744.06	144.79	0.78	1.15	13.84	1953
ML_007 - 019	25.96	79.17	10.91	55.96	14.59	1.56	25.82	5.82	60.56	21.38	102.47	20.80	182.46	35.22	0.25	1.13	10.97	1794
ML_007 - 020	0.00	3.48	0.07	1.39	2.28	0.43	14.78	4.14	50.40	18.94	91.79	17.46	162.42	31.09	0.22	14.09	16.92	1857
ML_007 - 021	0.00	8.95	0.04	0.67	1.85	0.09	10.91	4.55	59.79	24.18	118.19	25.18	229.50	46.96	0.06	70.96	34.61	1837
ML_007 - 023	0.09	16.14	0.21	2.15	3.66	0.61	26.14	8.46	112.86	43.44	212.13	41.47	376.63	73.33	0.19	19.67	22.56	1749
ML_007 - 024	0.01	6.39	0.20	4.98	7.54	1.12	39.35	11.73	147.02	52.43	236.61	42.28	372.64	68.54	0.20	9.39	14.01	1873
ML_007 - 027	0.65	22.00	1.16	9.43	11.73	4.06	46.09	15.63	194.31	74.45	365.81	76.56	652.90	127.98	0.53	4.69	22.33	1879
ML_007 - 028	0.01	38.34	0.06	1.17	3.99	0.81	23.35	7.77	95.79	34.27	141.56	25.44	203.62	40.78	0.26	192.90	14.05	2444
ML_007 - 030	0.36	56.44	0.84	8.24	11.40	3.96	28.55	7.59	72.51	24.22	105.86	21.83	202.02	43.91	0.67	17.39	12.37	2388
ML_007 - 031	0.01	20.78	0.11	1.94	5.75	0.43	26.08	9.04	107.37	36.73	169.86	33.68	292.65	56.35	0.11	55.30	17.38	1733
ML_007 - 032	0.30	9.87	0.24	1.74	3.26	0.27	17.69	6.22	81.66	34.38	168.74	36.01	328.75	64.93	0.11	8.22	29.52	1821
ML_007 - 033	0.01	10.55	0.09	1.67	2.66	0.21	15.85	5.68	70.73	28.09	132.78	27.16	243.81	48.20	0.10	35.69	24.47	1778
ML_007 - 034	0.23	5.83	0.32	1.44	2.14	0.75	9.50	4.31	63.14	26.32	139.92	33.93	349.44	72.50	0.51	4.26	61.38	1877
ML_007 - 035	0.80	11.09	1.16	8.11	10.83	4.64	40.72	12.85	144.01	44.76	183.87	34.79	284.56	49.42	0.68	2.27	9.76	2478
ML_007 - 036	0.01	6.48	0.03	0.73	1.75	0.81	10.11	3.79	44.95	16.97	88.88	18.73	157.36	33.53	0.59	65.81	26.68	1848
ML_007 - 038	0.02	9.06	0.23	3.54	6.79	1.19	35.35	10.43	119.95	40.90	186.49	35.22	287.25	53.59	0.23	11.42	12.19	1800
ML_007 - 039	0.02	0.87	0.02	0.20	0.88	0.24	8.48	5.40	92.08	42.08	252.12	68.74	752.00	162.21	0.27	11.65	153.89	1832
ML_007 - 040	0.01	4.02	0.03	0.32	1.09	0.09	12.80	6.19	87.15	36.71	188.07	38.87	353.54	71.02	0.07	41.31	44.62	1844
ML_007 - 041	0.01	10.74	0.11	2.08	5.91	0.52	29.85	10.09	108.33	38.60	175.70	32.96	286.75	54.64	0.12	29.16	14.73	1917
ML_007 - 043	0.00	2.01	0.00	0.14	0.89	0.04	11.59	6.06	81.60	30.73	122.64	22.09	177.05	31.94	0.04	132.70	22.17	1839
ML_007 - 044	4.26	30.66	1.89	10.80	9.18	1.31	35.78	11.50	137.19	49.95	241.79	46.43	408.30	77.43	0.22	2.60	17.40	1889
ML_007 - 045	0.02	11.90	0.07	0.57	2.18	0.40	15.86	5.42	70.22	25.34	120.56	23.37	207.55	41.77	0.21	49.96	21.18	1844
ML_007 - 049	0.13	5.10	0.11	0.50	0.48	0.21	1.24	0.48	6.95	4.02	27.78	8.27	103.89	32.29	0.82	9.41	209.66	1735
ML_007 - 051	0.32	11.99	0.29	2.18	2.70	0.41	10.81	3.65	45.18	15.56	80.73	17.28	152.93	30.24	0.23	8.62	22.49	1851
ML_007 - 053	0.07	12.39	0.19	2.87	4.61	0.60	23.56	8.10	92.08	33.24	156.74	28.99	261.05	49.48	0.18	17.06	16.89	1857
ML_007 - 054	0.05	8.95	0.12	1.48	3.09	1.43	15.80	5.40	65.45	23.11	113.35	23.72	209.38	41.14	0.63	20.03	20.94	1773
ML_007 - 056	0.33	13.89	1.09	10.84	17.42	5.70	71.33	18.88	202.81	65.71	279.98	50.09	416.56	72.71	0.49	3.43	8.20	1860
ML_007 - 057	0.00	13.74	0.03	0.41	1.51	0.07	9.46	3.48	47.56	18.61	93.39	19.94	171.06	34.49	0.06	124.02	29.34	1827
ML_007 - 058	0.09	10.02	0.08	1.37	2.38	0.32	12.62	4.72	54.12	21.59	97.40	19.68	179.05	35.09	0.18	26.59	22.36	1898
ML_007 - 059	0.01	13.68	0.08	1.13	2.99	0.20	15.92	6.46	80.99	31.60	155.77	30.94	277.01	54.89	0.09	50.51	27.73	1776
ML_007 - 060	0.04	8.40	0.08	1.20	2.92	0.49	21.24	6.59	86.73	31.81	152.77	30.07	258.11	50.32	0.19	27.16	19.05	1864
ML_007 - 061	0.02	7.53	0.04	1.07	3.13	0.36	21.49	7.82	100.67	39.51	197.34	40.96	366.38	72.45	0.14	47.60	27.12	1850
ML_007 - 063	0.01	0.73	0.01	0.21	0.82	0.16	8.61	5.06	84.73	38.09	205.46	49.18	494.61	98.25	0.19	17.19	91.79	1892
ML_007 - 065	0.05	7.38	0.12	2.10	2.43	0.41	13.43	3.96	46.40	17.89	80.71	15.55	142.54	27.53	0.22	16.37	16.49	1836
ML_007 - 066	0.01	5.43	0.03	0.75	1.44	0.20	8.44	2.95	37.64	15.25	78.87	16.60	150.81	32.81	0.18	48.06	31.28	1911

ML_007 - 067	2.51	8.93	0.49	1.98	1.65	0.23	8.03	2.83	34.32	12.11	59.04	12.21	109.08	21.16	0.19	1.83	21.19	1897
ML_007 - 068	0.00	17.06	0.05	0.98	1.64	0.13	9.83	3.52	43.29	17.03	88.31	18.59	172.45	35.33	0.10	104.34	28.90	1866
ML_007 - 069	4.45	20.48	2.92	15.10	9.61	1.03	22.06	6.11	58.75	20.67	87.27	17.32	142.87	28.12	0.22	1.32	10.25	1838
ML_007 - 070	0.01	1.83	0.01	0.19	1.10	0.06	11.39	6.33	106.52	48.23	259.88	58.86	553.98	102.79	0.05	43.55	72.57	1881
ML_007 - 073	0.01	12.69	0.08	1.17	2.06	0.35	11.90	4.20	58.67	22.99	115.66	23.24	218.90	42.60	0.22	44.59	28.79	1812
ML_007 - 074	1.29	13.01	0.65	5.24	5.30	1.50	33.95	13.26	196.10	79.01	414.57	90.43	820.16	156.31	0.34	3.38	37.04	1875
ML_007 - 075	0.02	9.19	0.23	3.19	4.96	0.71	30.01	10.09	124.11	46.13	218.50	43.76	385.79	75.75	0.18	11.64	20.31	1967
ML_007 - 078	0.04	11.29	0.21	2.45	4.49	0.50	21.74	6.41	79.28	27.51	131.23	24.79	207.48	41.46	0.15	14.74	15.34	1854
ML_007 - 079	0.01	15.83	0.06	1.17	3.15	0.29	19.31	6.84	91.60	34.67	172.03	34.91	319.69	60.55	0.11	80.41	25.23	1889
ML_007 - 081	0.80	23.56	1.23	8.32	8.82	3.86	24.63	6.25	69.98	24.23	109.05	22.98	218.04	42.73	0.80	4.61	13.95	1763
ML_007 - 083	5.52	29.64	3.48	20.48	12.73	2.16	38.84	11.18	126.63	48.01	221.55	44.30	393.55	74.73	0.30	1.59	15.47	1736
ML_007 - 084	0.07	16.53	0.22	3.66	6.33	0.57	34.64	11.24	136.71	50.53	227.08	45.54	398.80	75.48	0.12	20.11	17.52	1772
ML_007 - 085	0.08	8.03	0.08	0.90	2.09	0.05	11.85	3.85	46.05	17.69	86.23	16.91	146.83	28.73	0.03	21.05	19.50	1942
ML_007 - 086	0.00	5.01	0.05	0.75	3.79	0.21	21.69	9.69	138.01	58.42	296.17	62.69	578.81	112.99	0.07	30.73	41.89	1863
ML_007 - 087	0.03	11.73	0.15	1.95	2.79	0.63	19.74	6.18	71.91	28.19	136.92	28.80	256.76	50.44	0.26	22.30	20.56	1783
ML_007 - 089	20.06	68.71	8.64	39.31	11.33	0.43	24.19	6.08	68.16	24.93	108.74	20.86	184.61	36.21	0.08	1.26	12.04	1858
ML_007 - 090	0.11	31.67	0.29	2.49	2.75	1.03	8.79	2.06	19.05	5.72	22.35	4.76	40.75	8.36	0.64	29.19	7.65	1870
ML_007 - 091	0.02	7.32	0.18	1.99	4.14	0.41	19.13	5.59	70.86	24.76	116.06	22.78	200.87	37.27	0.14	12.02	15.67	1811
ML_007 - 092	3.15	17.07	1.08	5.57	3.06	0.26	13.12	3.94	50.71	17.34	85.77	16.10	139.86	28.44	0.13	2.23	17.43	1655
ML_007 - 093	0.02	7.05	0.22	3.65	6.53	1.13	38.37	12.16	150.72	54.30	249.79	49.03	427.11	83.07	0.22	9.43	17.41	1844
ML_007 - 094	0.02	4.06	0.14	2.71	6.01	1.08	28.48	8.41	100.84	35.87	156.46	32.38	267.32	53.10	0.25	7.98	15.00	1813
ML_007 - 096	0.01	9.93	0.03	0.80	1.21	0.03	8.78	3.06	40.33	15.61	77.41	15.65	150.23	29.37	0.03	87.02	26.89	1828
ML_007 - 098	0.03	2.08	0.06	0.47	0.77	0.35	6.36	3.96	72.33	36.74	227.80	60.54	661.71	143.94	0.49	9.10	182.10	1932
ML_007 - 099	0.23	11.87	0.13	1.28	1.86	0.10	10.92	4.40	54.47	21.63	105.97	22.15	192.91	39.23	0.07	15.84	28.90	1848
ML_007 - 100	0.04	12.27	0.40	6.38	9.26	0.72	45.17	12.92	149.96	51.62	232.80	43.19	364.14	67.79	0.11	8.99	12.07	1726
ML_007 - 101	0.01	12.36	0.06	1.10	2.27	0.46	15.46	5.14	69.07	25.44	127.60	25.52	222.73	44.36	0.24	58.11	23.07	1763
ML_007 - 102	0.01	10.20	0.01	0.50	0.97	0.54	3.33	0.78	9.43	3.35	15.75	3.30	32.61	6.97	0.92	226.88	16.84	1843
ML_007 - 105	0.00	8.52	0.06	0.68	2.03	0.22	12.02	4.29	54.61	21.39	107.27	22.24	205.48	40.49	0.14	39.14	27.09	1848
ML_007 - 106	0.17	19.11	0.64	6.97	12.71	1.90	58.90	17.33	195.20	69.82	308.46	55.83	464.37	85.92	0.21	8.18	11.73	1882
ML_007 - 107	2.51	15.69	1.27	6.74	5.26	1.42	25.12	7.77	83.06	28.59	134.21	26.09	228.53	44.70	0.38	2.10	14.31	1852
ML_007 - 108	0.01	5.81	0.06	0.82	3.11	0.18	21.93	8.93	131.56	52.26	265.00	55.66	511.58	101.93	0.07	30.11	37.38	1876
ML_007 - 109	0.01	6.97	0.07	0.78	2.20	0.63	16.42	3.93	52.19	19.93	94.21	17.95	160.24	32.60	0.32	29.29	15.97	1773
ML_007 - 110	0.00	6.17	0.02	0.24	0.54	0.06	3.25	1.37	19.49	8.43	49.16	11.22	110.25	24.08	0.13	70.79	59.67	2313
ML_007 - 111	0.15	11.22	0.23	2.91	5.12	0.96	25.72	8.01	102.89	34.71	160.80	32.54	276.39	56.00	0.26	11.79	17.52	2378
ML_007 - 112	0.79	38.61	1.38	9.13	7.67	2.17	19.52	5.88	70.08	25.63	120.46	25.95	223.45	45.27	0.54	6.90	18.66	1852
ML_007 - 113	4.04	61.25	11.41	82.00	68.00	21.66	140.24	35.47	334.30	97.56	392.68	70.72	569.80	102.55	0.68	1.42	5.88	1858
ML_007 - 114	0.01	8.20	0.12	2.16	4.24	0.31	25.66	7.42	93.57	33.08	153.10	28.49	242.67	46.59	0.09	20.21	14.60	1980
ML_007 - 115	0.23	13.84	0.29	2.45	2.56	0.52	11.99	4.06	50.46	18.89	93.78	20.41	174.58	35.85	0.29	11.07	24.04	1905
ML_007 - 116	0.01	10.72	0.06	1.32	2.81	0.11	14.44	4.88	60.22	23.48	106.88	21.15	187.78	38.34	0.05	49.44	21.36	1785
ML_007 - 117	0.01	7.19	0.02	0.22	1.21	0.04	5.96	2.54	32.56	11.23	59.39	12.72	126.18	24.89	0.04	110.37	33.59	1846
ML_007 - 118	0.00	13.14	0.05	1.29	1.80	0.23	12.84	4.77	59.57	22.55	109.09	21.62	198.91	39.81	0.15	73.05	24.94	1779

ML_007 - 121	0.01	2.75	0.01	0.14	1.05	0.27	7.54	4.66	84.98	42.37	273.27	73.25	802.38	174.22	0.29	48.55	185.84	1978
ML_007 - 122	0.01	6.18	0.15	3.26	5.68	0.86	29.04	8.36	92.39	33.25	146.51	26.87	224.43	44.36	0.21	12.67	12.29	1859
ML_007 - 124	0.89	51.72	1.37	12.32	16.84	4.72	73.12	21.68	222.94	75.86	331.12	61.34	506.69	93.05	0.41	9.06	10.24	1786
ML_007 - 125	0.06	2.30	0.29	2.24	4.26	0.48	17.91	4.38	32.44	6.20	20.09	3.20	22.15	3.24	0.17	2.26	1.46	1907
ML_007 - 126	0.01	12.66	0.05	0.83	2.55	0.13	17.75	5.79	74.65	29.73	141.80	29.25	254.00	49.67	0.06	72.39	22.51	1894
ML_007 - 127	0.01	16.90	0.02	0.48	1.68	0.18	10.71	3.97	47.92	20.03	95.05	21.70	203.85	41.49	0.13	231.69	31.15	1873
ML_007 - 128	0.00	8.54	0.02	0.46	1.08	0.12	7.10	2.49	35.83	14.76	79.56	17.81	163.68	33.69	0.14	112.49	38.19	1840
ML_007 - 129	0.01	9.31	0.04	0.50	1.32	0.06	7.28	2.74	40.43	15.95	78.35	16.73	154.90	30.08	0.06	70.61	33.25	1688
ML_007 - 131	0.01	10.89	0.06	0.84	2.69	0.25	13.46	5.04	65.22	23.73	111.38	23.21	207.52	40.59	0.13	54.54	24.26	1827
ML_007 - 132	0.84	25.31	1.12	8.64	7.81	3.12	33.58	9.90	121.16	45.90	230.14	46.75	428.99	84.60	0.59	5.28	20.27	2410
ML_007 - 133	0.01	10.61	0.10	0.74	1.54	0.24	14.05	4.30	55.99	20.48	92.57	19.19	171.83	33.14	0.16	31.56	18.98	1802
ML_007 - 134	0.00	9.29	0.04	0.71	1.94	0.11	11.29	3.76	49.46	19.46	92.11	19.75	169.59	34.15	0.07	61.60	24.33	2481
ML_007 - 135	0.13	6.94	0.35	3.33	4.93	2.59	11.36	4.23	50.84	22.66	132.17	35.17	402.78	86.29	1.06	5.24	61.09	1838
ML_007 - 137	0.01	7.43	0.02	0.55	1.10	0.12	7.49	2.59	37.68	14.19	75.24	16.02	148.50	30.45	0.13	85.09	32.71	2306
ML_007 - 140	0.05	6.36	0.16	2.24	7.35	7.50	42.45	10.43	85.82	25.81	102.78	19.71	164.76	30.47	1.30	10.56	5.77	1835
ML_007 - 144	0.01	6.09	0.04	0.73	1.79	0.10	12.48	3.83	49.54	19.26	90.83	18.05	153.98	31.00	0.06	47.47	19.99	1854
ML_007 - 145	0.20	11.21	0.09	0.96	2.11	0.12	11.09	3.74	50.99	19.96	98.58	20.30	188.72	37.70	0.08	20.46	27.35	2033
ML_007 - 146	0.01	15.44	0.04	0.91	2.52	0.24	11.02	3.49	42.23	13.55	63.77	12.20	110.87	20.01	0.14	123.00	14.60	1828
ML_007 - 148	0.36	8.98	0.26	2.71	3.63	0.78	21.15	6.80	80.52	28.74	134.18	25.32	221.45	43.09	0.27	6.82	16.39	1865
ML_007 - 149	0.01	13.99	0.10	1.63	3.06	0.13	16.69	5.22	70.02	24.58	117.31	23.85	207.51	41.91	0.06	39.50	20.20	1818
ML_007 - 150	0.01	12.15	0.22	4.15	9.35	1.11	51.00	16.43	203.30	72.68	336.27	65.33	567.04	108.01	0.16	16.40	17.04	1843
ML_007 - 151	0.01	2.31	0.04	0.48	2.13	0.15	17.38	7.49	105.07	43.68	222.34	47.69	444.85	87.73	0.08	15.40	40.61	1846
ML_007 - 152	0.11	9.85	0.67	8.74	12.82	2.05	61.08	17.04	203.92	72.86	312.49	58.07	490.84	91.95	0.22	4.20	12.11	1808
ML_007 - 155	0.02	10.86	0.21	3.89	6.97	0.44	33.76	9.95	115.19	40.52	178.00	32.90	277.58	53.49	0.09	14.89	12.75	1916
ML_008 - 002	0.33	7.29	0.37	3.06	2.89	1.07	15.89	4.88	59.36	22.24	102.12	20.43	191.34	39.75	0.48	4.41	20.13	1064
ML_008 - 003	0.03	33.12	0.07	1.05	3.03	0.57	13.44	4.57	58.12	22.36	116.83	24.58	229.55	47.99	0.27	122.33	28.72	1252
ML_008 - 004	0.03	48.19	0.23	2.54	4.45	1.56	20.02	6.87	87.47	33.28	164.02	33.12	300.56	60.71	0.50	60.52	24.40	1613
ML_008 - 005	0.11	7.15	0.19	1.26	4.23	0.35	21.33	7.10	84.06	29.84	133.72	25.90	221.21	42.61	0.11	9.11	16.07	1067
ML_008 - 006	2.03	10.35	2.07	11.21	9.79	3.48	31.06	10.08	104.74	29.88	119.79	21.72	174.85	32.58	0.61	1.09	8.44	1150
ML_008 - 007	1.00	7.69	0.69	4.67	4.79	1.04	25.63	11.07	134.99	44.32	179.90	33.25	264.49	48.04	0.29	2.14	15.08	1147
ML_008 - 009	1.99	29.36	2.79	15.39	8.47	3.05	24.65	7.41	83.20	30.26	145.22	29.42	277.92	57.84	0.65	2.48	18.87	1361
ML_008 - 010	0.00	1.92	0.06	0.98	2.00	0.27	10.23	2.89	35.38	12.87	58.24	12.30	113.96	22.99	0.19	10.02	18.08	2016
ML_008 - 011	0.11	1.28	0.10	0.75	2.43	0.09	18.71	8.52	104.11	35.78	169.71	32.09	280.58	52.34	0.04	2.62	22.50	1122
ML_008 - 012	0.27	12.10	0.65	6.08	11.03	1.75	48.32	15.29	178.52	62.73	283.09	52.05	428.65	80.24	0.23	4.84	13.36	1023
ML_008 - 013	0.22	1.73	0.26	1.90	3.86	0.26	25.38	11.36	150.72	51.87	232.13	42.30	347.01	62.51	0.08	1.49	19.81	1083
ML_008 - 014	0.80	35.78	1.97	12.80	6.99	3.56	15.02	3.57	33.05	10.18	48.63	10.24	98.82	19.97	1.06	4.72	10.69	1992
ML_008 - 015	0.01	10.76	0.25	4.39	8.75	0.82	45.80	14.55	166.30	59.55	269.78	50.14	422.25	79.42	0.12	12.67	13.95	1541
ML_008 - 016	0.04	17.26	0.13	1.16	2.13	0.22	12.25	4.16	48.44	19.02	86.82	17.88	166.28	32.66	0.13	36.47	21.44	1678
ML_008 - 017	0.02	2.21	0.08	2.00	5.85	0.42	41.82	16.04	219.52	83.08	405.69	83.27	732.77	143.25	0.08	7.45	27.55	1342
ML_008 - 018	0.01	0.76	0.03	0.89	3.62	0.07	29.06	11.39	149.98	48.73	201.78	35.25	268.58	45.38	0.02	7.38	12.56	1051
ML_008 - 019	0.38	10.26	0.59	5.02	5.95	1.35	25.13	7.75	95.12	33.79	157.91	31.31	270.87	51.21	0.34	4.21	16.39	2016

ML_008 - 020	0.02	9.41	0.08	1.12	2.38	0.19	16.32	5.16	69.85	25.55	122.13	24.75	221.92	42.55	0.09	33.77	20.97	1764
ML_008 - 022	0.01	36.39	0.06	1.69	3.26	0.55	15.92	5.87	69.20	27.87	134.57	27.71	250.89	49.03	0.23	169.62	24.76	2592
ML_008 - 023	0.00	6.88	0.01	0.42	1.64	0.06	12.04	4.84	67.34	27.25	137.98	28.72	258.75	50.92	0.04	136.67	34.03	964
ML_008 - 024	0.00	1.14	0.02	0.80	1.79	0.06	13.58	5.36	74.78	27.62	138.00	28.51	248.30	49.71	0.03	17.92	29.44	1087
ML_008 - 029	0.00	0.51	0.01	0.03	0.09	0.01	0.44	0.07	0.50	0.16	0.83	0.21	1.89	0.41	0.13	23.69	7.44	1765
ML_008 - 032	0.02	2.16	0.11	2.58	5.73	0.17	40.24	13.23	178.57	66.67	303.72	59.40	501.53	93.08	0.03	5.35	18.61	1074
ML_008 - 033	0.01	3.23	0.02	0.77	1.98	0.10	11.08	3.54	47.32	16.59	79.35	15.19	138.14	26.05	0.07	37.70	18.91	1091
ML_008 - 035	0.03	0.65	0.05	0.98	2.23	0.09	18.56	6.31	62.26	16.37	58.58	9.75	73.91	12.73	0.04	3.31	5.52	1175
ML_008 - 037	0.81	8.25	0.70	6.22	6.37	0.79	31.47	10.91	117.20	36.07	132.33	22.14	154.53	22.87	0.17	2.43	5.85	893
ML_008 - 038	0.08	0.93	0.13	1.39	3.34	0.17	23.87	8.49	87.54	23.17	91.19	15.54	119.43	22.03	0.06	1.81	7.42	1387
ML_008 - 039	0.01	3.58	0.04	0.65	1.95	0.08	10.50	3.44	44.42	17.30	83.85	16.59	141.07	27.62	0.05	26.65	21.15	1228
ML_008 - 040	0.49	5.41	0.58	3.96	4.22	2.15	7.93	1.52	17.74	6.37	32.00	8.03	85.71	22.39	1.14	2.11	22.71	994
ML_008 - 041	0.01	13.20	0.04	0.79	2.30	0.08	13.25	4.59	62.48	23.63	111.29	23.38	199.69	39.50	0.04	90.08	23.97	1164
ML_008 - 043	0.01	0.68	0.04	0.98	2.54	0.09	16.37	5.99	75.10	29.39	137.27	27.84	247.98	48.13	0.04	4.44	23.65	886
ML_008 - 045	0.15	22.83	0.27	3.01	4.59	1.17	26.49	9.64	128.37	48.86	249.36	52.24	485.20	97.52	0.32	21.22	29.61	1665
ML_008 - 046	0.01	11.95	0.09	1.72	4.59	0.75	26.05	8.64	107.35	38.18	182.72	35.89	315.62	63.82	0.21	38.08	19.71	1812
ML_008 - 048	0.01	9.98	0.02	0.82	1.59	0.05	9.50	3.60	48.07	18.26	91.82	17.94	165.26	32.09	0.04	111.54	27.17	791
ML_008 - 049	0.01	30.20	0.06	0.76	1.72	0.59	13.52	4.17	53.30	20.83	102.58	22.52	206.32	43.38	0.37	142.19	25.82	991
ML_008 - 050	0.13	1.77	0.29	1.64	3.95	0.60	24.37	9.90	107.69	31.96	136.88	25.10	196.55	38.00	0.19	1.55	12.54	1148
ML_008 - 052	0.19	16.33	0.30	2.27	3.53	0.66	17.40	6.36	78.71	29.65	147.21	30.11	264.57	50.50	0.26	13.17	23.34	1289
ML_008 - 053	0.08	32.22	0.24	3.25	4.56	0.89	16.69	4.45	49.69	17.05	79.92	16.14	135.67	26.71	0.31	35.60	12.88	1138
ML_008 - 054	0.00	3.65	0.03	0.43	1.61	0.09	10.38	3.69	48.50	19.41	95.93	19.42	173.07	34.47	0.06	40.80	26.70	1122
ML_008 - 056	0.00	2.39	0.02	0.71	1.66	0.28	10.62	3.38	42.95	16.13	76.61	16.70	145.42	28.51	0.20	28.87	21.60	1261
ML_008 - 057	0.18	15.89	0.55	4.34	4.76	1.31	23.82	8.24	100.08	38.86	190.41	39.20	346.10	70.65	0.38	7.74	23.86	975
ML_008 - 058	0.08	12.98	0.51	7.07	8.92	1.39	41.83	12.07	135.46	49.16	230.46	42.82	361.79	70.95	0.22	7.27	13.64	1306
ML_008 - 059	0.01	21.91	0.16	2.51	6.96	0.18	38.16	13.25	166.25	60.43	280.17	51.64	434.98	76.67	0.03	40.32	16.16	1636
ML_008 - 060	0.13	10.61	0.20	2.34	4.11	0.18	20.48	6.98	91.42	34.33	174.48	37.40	342.37	69.78	0.06	12.68	27.40	1015
ML_008 - 061	0.00	1.84	0.01	0.14	0.98	0.05	5.29	1.89	27.64	11.09	54.45	11.84	104.64	21.74	0.07	51.09	33.06	1151
ML_008 - 063	0.00	39.69	0.03	0.72	1.27	0.15	7.40	2.55	31.44	11.54	56.98	11.87	109.52	22.34	0.15	405.55	24.29	1239
ML_008 - 064	0.01	3.28	0.02	0.51	1.46	0.05	9.05	2.95	43.93	17.37	87.10	17.65	161.95	31.88	0.04	52.00	28.32	766
ML_008 - 066	0.00	9.11	0.01	0.32	0.77	0.23	5.49	2.07	25.37	10.36	57.90	11.48	97.03	19.00	0.35	200.28	27.82	2117
ML_008 - 067	0.00	47.13	0.08	1.52	3.61	0.94	17.45	5.17	60.35	23.60	110.09	22.51	195.24	39.06	0.36	174.59	18.00	1065
ML_008 - 068	0.01	4.22	0.04	0.79	1.87	0.38	11.92	4.08	53.07	19.73	99.03	21.28	201.74	46.30	0.25	31.65	31.25	2500
ML_008 - 069	0.52	24.73	0.98	8.61	12.05	2.86	52.59	15.60	170.00	60.44	261.79	50.62	420.91	79.53	0.35	6.32	12.16	1666
ML_008 - 070	0.01	17.64	0.12	2.37	5.06	1.67	25.64	7.98	96.21	34.01	156.10	31.03	265.25	53.25	0.45	44.36	16.70	1733
ML_008 - 071	0.48	4.59	0.89	5.61	5.63	1.70	25.37	9.76	125.23	47.83	231.04	47.76	436.60	83.36	0.43	1.28	26.43	1133
ML_008 - 072	0.01	37.97	0.06	1.09	2.28	0.52	11.43	3.22	36.88	15.19	67.97	14.67	126.19	26.83	0.31	187.48	18.87	1640
ML_008 - 073	0.38	17.24	1.09	8.03	5.51	1.99	21.64	6.63	75.67	27.52	130.23	25.16	227.77	44.79	0.56	4.20	16.65	1594
ML_008 - 074	0.00	3.34	0.02	0.14	0.39	0.09	3.94	1.43	19.58	7.58	38.26	7.80	69.94	13.48	0.22	40.04	27.55	2268
ML_008 - 076	0.06	15.85	0.13	1.75	4.44	0.95	17.50	5.17	65.39	23.16	111.32	22.42	202.76	40.42	0.33	31.61	18.58	1154
ML_008 - 078	0.27	12.59	0.39	2.11	2.49	0.78	8.37	2.90	34.79	12.13	58.18	12.26	116.29	23.26	0.52	7.63	22.35	1251

ML_008 - 079	1.08	14.90	0.46	2.45	2.48	0.27	16.95	5.68	69.41	26.76	129.20	26.54	235.36	45.50	0.13	5.09	21.60	1022
ML_008 - 080	0.01	0.70	0.05	1.11	3.37	0.09	30.59	13.59	196.56	79.22	397.15	79.04	686.13	127.53	0.03	3.94	33.53	969
ML_008 - 081	0.01	10.87	0.03	0.39	1.33	0.13	9.02	3.24	45.20	17.78	88.90	17.93	169.67	34.58	0.12	88.52	30.84	1340
ML_008 - 082	0.01	1.52	0.08	1.50	4.29	0.04	21.85	8.20	105.09	38.40	177.60	35.35	304.20	59.20	0.01	5.12	21.79	1104
ML_008 - 083	0.09	5.66	0.46	6.33	9.19	0.29	44.60	12.83	146.42	48.23	212.37	38.96	315.31	56.99	0.04	3.46	10.28	2379
ML_008 - 085	0.00	25.34	0.02	0.37	1.05	0.33	6.30	2.04	26.10	9.84	55.91	13.18	132.14	29.43	0.40	379.79	37.57	1860
ML_008 - 086	0.01	2.61	0.06	1.30	3.26	0.46	23.91	7.95	86.13	26.81	105.44	17.96	143.41	25.33	0.16	12.43	8.52	959
ML_008 - 087	0.41	16.16	0.90	8.30	10.98	1.93	48.35	14.63	172.24	59.78	261.42	50.51	415.01	78.73	0.26	4.60	13.10	1231
ML_008 - 088	0.01	0.41	0.02	0.28	1.70	0.03	15.31	5.89	62.09	18.39	71.35	12.84	104.10	17.62	0.02	4.96	9.26	2124
ML_008 - 089	0.01	22.47	0.08	1.44	5.06	0.85	36.44	14.00	192.49	72.91	355.38	71.69	625.88	115.04	0.19	82.42	25.39	1059
ML_008 - 090	0.00	5.06	0.01	0.43	0.72	0.20	3.96	1.30	16.71	5.91	27.92	5.38	51.41	10.15	0.36	102.56	20.61	1322
ML_008 - 091	0.16	3.84	0.28	2.79	6.90	0.38	39.65	13.76	153.18	50.30	215.99	39.74	326.76	59.87	0.07	3.37	12.14	1618
ML_008 - 092	0.00	7.94	0.11	1.97	5.80	0.26	24.16	6.97	72.10	22.73	102.57	19.68	176.64	33.34	0.07	22.07	11.10	1071
ML_008 - 093	0.01	21.79	0.06	1.43	2.75	0.48	9.29	2.98	29.81	10.74	46.58	9.83	88.04	16.75	0.29	103.48	14.51	1799
ML_008 - 095	0.17	4.93	0.43	3.91	6.98	0.91	38.18	11.36	138.00	47.85	212.98	40.66	346.60	65.34	0.17	3.00	13.76	1106
ML_008 - 096	0.00	2.63	0.04	0.75	2.12	0.21	16.14	5.36	77.07	28.56	142.85	29.54	264.75	54.25	0.11	19.20	27.03	2652
ML_008 - 097	0.01	14.96	0.04	1.12	1.29	1.06	7.64	2.35	28.62	10.03	49.45	9.95	98.69	22.14	1.04	114.02	23.32	2298
ML_008 - 098	0.00	30.37	0.08	1.57	3.93	0.91	20.89	7.48	106.89	42.69	225.27	47.82	467.51	95.16	0.31	108.32	36.63	1128
ML_008 - 099	0.01	3.01	0.11	2.26	6.19	0.20	39.52	14.28	181.02	67.77	327.41	64.43	567.79	111.89	0.04	8.08	22.77	1298
ML_008 - 101	0.02	2.38	0.18	3.32	9.02	0.34	46.49	11.19	90.16	19.79	61.76	9.29	65.39	11.06	0.05	3.95	1.91	939
ML_008 - 102	0.13	67.19	0.64	9.59	13.03	3.86	53.67	15.78	173.09	59.72	268.28	51.53	451.18	90.21	0.45	29.23	13.52	1054
ML_008 - 105	0.01	22.33	0.25	4.71	6.83	1.28	29.04	8.22	84.07	27.51	115.09	22.58	191.01	37.42	0.28	26.54	10.37	1169
ML_008 - 107	0.01	2.26	0.11	2.03	5.12	0.27	32.39	10.53	131.28	46.92	218.47	41.03	359.76	67.22	0.06	6.19	16.69	1486
ML_008 - 109	0.02	43.53	0.35	7.25	11.27	3.15	48.66	11.72	133.17	45.13	201.23	38.06	327.05	62.86	0.41	37.40	10.39	1564
ML_008 - 110	0.55	4.49	0.31	2.49	3.94	0.40	22.94	10.64	133.58	45.13	204.16	42.41	342.48	63.40	0.13	2.59	22.23	1087
ML_008 - 111	3.62	78.60	3.00	15.65	9.62	3.09	25.99	8.02	96.63	35.21	175.01	34.57	315.65	63.68	0.60	5.36	19.71	991
ML_008 - 113	0.01	12.53	0.04	0.77	1.77	0.77	8.89	2.95	38.98	14.17	71.24	15.26	146.23	30.66	0.59	101.27	27.74	1180
ML_008 - 115	0.01	10.06	0.08	1.08	3.14	0.02	18.80	6.62	79.18	28.74	122.08	23.62	199.89	35.84	0.01	38.20	15.33	1058
ML_008 - 116	0.01	0.37	0.01	0.21	2.26	0.02	18.97	9.90	158.93	68.60	367.63	80.67	762.77	145.89	0.01	7.22	61.85	1189
ML_008 - 117	0.01	0.40	0.03	0.51	2.04	0.07	15.94	5.66	60.53	19.04	76.97	14.44	116.68	21.53	0.04	3.93	10.86	1084
ML_008 - 118	0.01	12.53	0.00	0.33	0.53	0.37	3.13	0.89	9.89	3.62	18.37	3.96	41.65	8.84	0.87	454.44	22.67	848
ML_008 - 119	2.23	28.21	2.13	16.46	16.01	2.96	54.19	14.93	170.36	60.31	264.35	49.85	427.58	82.14	0.31	2.83	12.19	1601
ML_008 - 120	0.01	30.44	0.19	3.14	6.19	1.48	21.74	5.54	53.07	15.85	64.97	11.21	91.77	17.22	0.39	46.56	6.37	1108
ML_008 - 121	0.01	10.44	0.04	0.65	2.07	0.16	14.02	5.08	67.08	25.62	127.74	26.77	242.49	47.50	0.09	68.97	27.25	1054
ML_008 - 122	0.01	0.57	0.02	0.40	1.83	0.07	16.53	7.53	92.41	31.78	137.59	27.09	227.71	42.76	0.04	6.48	20.81	1131
ML_008 - 123	0.06	13.03	0.60	7.24	7.58	2.29	27.14	7.34	75.62	25.92	117.20	23.49	218.94	45.06	0.49	6.32	13.35	1573
ML_008 - 125	0.02	8.32	0.11	1.99	5.46	0.49	25.61	7.56	84.64	30.02	126.26	23.42	195.12	37.18	0.13	22.25	11.67	932
ML_008 - 126	0.79	15.84	0.98	6.11	6.74	1.92	36.55	12.21	165.92	61.48	296.42	58.05	497.11	94.27	0.37	3.70	20.74	1041
ML_008 - 127	0.01	9.43	0.06	1.30	3.50	0.18	18.47	6.30	81.27	30.24	134.93	25.92	229.95	43.42	0.07	48.72	18.91	1049
ML_008 - 128	0.01	0.74	0.08	1.50	5.02	0.16	31.51	10.78	99.77	27.57	94.95	15.88	119.00	19.82	0.04	2.59	5.06	2459
ML_008 - 129	0.00	8.32	0.03	0.46	1.62	0.04	9.02	3.63	48.74	18.72	90.06	18.44	159.59	30.10	0.03	70.48	26.84	1113

ML_008 - 131	0.01	14.40	0.10	1.57	3.26	0.59	17.83	6.29	83.58	32.04	155.24	32.48	297.70	59.40	0.23	42.25	26.80	2489
ML_008 - 132	0.19	5.96	0.11	1.26	2.48	0.25	11.30	3.86	40.76	14.60	71.59	13.57	117.92	22.98	0.14	9.61	16.36	1780
ML_008 - 134	0.60	18.82	0.68	5.14	4.84	1.33	23.13	7.99	102.77	39.11	194.91	41.08	371.16	74.95	0.38	6.25	26.06	1008
ML_008 - 135	0.03	5.41	0.25	4.73	7.88	0.75	42.18	12.52	142.89	48.49	209.82	39.08	318.87	59.33	0.13	6.23	11.31	934
ML_008 - 136	0.15	25.21	0.43	3.83	4.45	0.94	21.87	6.73	82.52	29.82	144.58	29.87	278.99	54.59	0.29	15.61	20.08	1089
ML_008 - 137	0.21	4.73	0.09	1.09	1.43	0.27	10.97	3.53	45.57	17.12	80.10	15.45	140.28	26.42	0.21	8.03	19.37	1723
ML_008 - 138	0.03	12.88	0.53	5.84	9.31	1.87	39.42	11.53	138.43	50.61	223.89	42.75	374.44	73.72	0.30	7.24	15.04	1116
ML_008 - 139	0.42	9.99	1.07	7.00	6.05	2.93	20.22	5.97	69.17	26.12	127.13	26.08	237.85	46.85	0.81	2.44	18.64	1079
ML_008 - 140	0.06	19.85	0.21	2.49	3.33	0.31	12.50	4.14	50.23	18.14	90.33	17.63	160.89	30.41	0.15	25.45	19.57	982
ML_008 - 141	0.01	0.41	0.01	0.37	1.37	0.01	13.67	6.04	75.69	23.74	92.95	15.89	128.46	22.13	0.01	10.62	13.02	2710
ML_008 - 142	0.03	18.77	0.10	2.25	4.44	0.96	22.86	7.32	87.93	32.19	156.89	32.70	294.32	60.09	0.29	51.08	21.14	754
ML_008 - 143	47.84	225.31	27.39	139.73	39.01	2.68	54.83	12.42	129.82	44.40	199.64	38.09	329.52	63.41	0.18	1.47	9.30	1725
ML_008 - 144	0.06	3.13	0.06	0.42	1.79	0.11	12.62	4.69	63.41	25.96	127.91	26.61	241.97	48.25	0.07	11.46	30.76	720
ML_008 - 147	0.25	14.09	0.53	4.20	5.42	1.10	24.53	7.11	92.26	35.49	165.75	32.93	278.87	54.56	0.29	6.73	17.89	1599
ML_008 - 150	0.00	33.06	0.06	1.48	5.31	1.99	30.89	9.51	124.69	48.31	236.99	46.85	425.97	88.56	0.47	151.56	23.06	1962
ML_008 - 151	0.02	10.06	0.07	0.66	1.22	0.23	8.20	3.24	46.96	18.70	101.39	22.26	211.45	43.22	0.22	38.84	42.41	1684
ML_008 - 152	0.00	2.64	0.05	0.97	4.46	0.23	30.08	11.91	168.18	66.10	322.18	64.98	572.30	106.73	0.06	15.45	28.54	1886
ML_008 - 153	0.08	71.98	1.23	20.15	22.02	3.69	67.86	12.67	111.49	33.42	137.83	24.75	215.36	43.78	0.29	17.21	5.19	2411
ML_008 - 155	0.06	33.99	0.11	1.36	2.57	0.40	12.84	3.71	47.84	17.58	82.71	16.72	145.32	29.70	0.21	78.64	18.61	1089
ML_008 - 156	0.39	10.91	0.20	4.59	7.01	1.05	37.77	11.69	131.56	45.51	201.43	38.48	323.03	63.52	0.20	9.17	13.53	1640
ML_008 - 157	0.00	0.54	0.03	0.67	2.20	0.03	21.15	8.94	108.35	37.31	160.04	27.43	226.60	39.87	0.01	4.63	15.16	1615
ML_008 - 158	0.02	3.70	0.06	0.77	2.39	0.15	12.99	3.96	45.01	16.39	78.12	16.28	140.81	27.84	0.08	17.47	17.24	1116
ML_008 - 159	0.00	3.62	0.04	0.41	1.09	0.17	7.85	2.92	41.08	15.94	81.62	16.52	150.29	30.68	0.18	29.88	31.43	1094
ML_008 - 160	0.01	13.60	0.09	1.81	2.89	0.19	17.15	4.90	62.92	21.46	94.84	19.11	160.62	31.28	0.08	42.82	14.67	1841
ML_09 - 001	0.01	15.21	0.24	4.99	10.03	0.65	43.70	11.78	127.79	44.27	192.29	36.05	317.77	64.31	0.09	18.56	11.84	1635
ML_09 - 002	0.00	8.89	0.04	0.54	1.67	0.30	10.90	4.06	52.34	20.64	102.36	21.31	199.90	40.41	0.22	60.55	29.82	1044
ML_09 - 003	0.02	4.49	0.08	1.01	2.16	0.88	10.22	3.16	38.05	14.15	64.66	13.02	118.39	23.93	0.57	15.53	18.84	1601
ML_09 - 004	0.00	12.85	0.08	1.83	4.18	1.00	23.82	7.32	89.76	32.24	148.23	28.56	252.65	49.06	0.31	47.54	16.57	1612
ML_09 - 005	1.38	10.22	0.63	3.02	2.13	0.31	9.97	3.68	50.72	20.11	105.84	22.46	212.19	43.46	0.21	2.64	35.07	1662
ML_09 - 007	0.01	17.85	0.09	1.36	2.46	0.73	14.72	4.77	57.23	20.79	98.68	18.81	168.70	33.40	0.37	55.77	18.25	1589
ML_09 - 008	0.02	18.76	0.35	5.68	7.91	1.15	33.15	9.45	104.86	36.69	164.06	31.27	262.81	49.55	0.22	15.59	12.02	1067
ML_09 - 009	0.03	40.92	0.54	8.30	11.91	3.39	52.10	14.64	159.88	53.65	236.73	44.59	382.47	71.27	0.42	22.52	11.00	1562
ML_09 - 010	0.57	16.66	0.63	3.77	4.03	1.24	20.88	7.06	92.36	35.07	169.52	33.93	307.65	60.41	0.41	5.87	23.27	3122
ML_09 - 011	0.00	14.43	0.04	0.69	1.65	0.75	8.83	2.96	36.39	13.67	69.04	14.48	141.50	30.10	0.60	109.66	27.41	1655
ML_09 - 012	0.01	20.05	0.08	1.42	2.58	0.96	13.45	4.60	60.84	24.72	128.16	27.55	276.88	61.15	0.50	70.99	36.56	1620
ML_09 - 014	0.00	4.77	0.05	0.87	2.54	0.14	19.39	7.44	95.52	37.13	178.01	35.00	311.67	59.76	0.06	29.43	24.79	1120
ML_09 - 015	0.00	11.92	0.02	0.71	1.87	0.50	10.48	3.52	44.38	16.33	78.92	16.04	147.77	29.39	0.35	148.94	22.54	1623
ML_09 - 016	0.00	36.05	0.06	1.05	2.25	0.74	14.00	4.77	61.73	23.88	121.79	26.32	245.12	47.72	0.40	191.84	27.42	1589
ML_09 - 017	0.00	6.15	0.05	1.06	2.72	0.31	20.71	7.88	111.46	43.72	226.28	47.91	440.47	89.99	0.13	37.83	34.95	1559
ML_09 - 018	0.00	5.96	0.05	1.08	2.84	0.27	19.56	6.95	91.11	36.14	178.39	37.49	357.08	71.99	0.11	37.88	29.60	1560
ML_09 - 019	0.00	34.32	0.06	1.36	2.48	0.82	14.74	4.89	63.08	24.26	119.18	25.16	238.89	48.32	0.41	159.87	26.37	1651

ML_09 - 020	0.01	44.56	0.12	2.49	3.85	0.79	17.02	4.25	49.83	17.76	83.28	17.08	160.52	35.19	0.30	106.85	16.63	1654
ML_09 - 021	0.03	28.07	0.38	6.10	9.73	2.61	41.80	13.32	163.41	62.35	295.36	59.92	543.03	109.70	0.40	21.66	21.11	1605
ML_09 - 022	0.00	18.90	0.03	0.59	1.61	0.53	6.88	2.35	28.03	10.60	54.57	11.90	115.36	25.00	0.49	165.46	29.22	1632
ML_09 - 024	0.00	18.39	0.04	0.54	1.37	0.14	9.53	3.62	49.80	19.95	104.31	22.23	209.99	42.67	0.12	139.39	36.00	1598
ML_09 - 025	0.10	25.43	0.71	9.58	11.20	6.52	43.79	10.99	115.46	37.85	168.37	31.85	283.94	59.96	0.90	10.25	11.01	1642
ML_09 - 026	0.00	9.90	0.02	0.33	0.89	0.10	4.64	1.77	23.48	9.17	50.08	11.21	109.71	22.40	0.15	141.31	38.84	1732
ML_09 - 027	1.80	17.09	0.62	3.51	2.85	0.61	14.60	4.51	56.29	20.51	97.01	19.75	182.59	35.50	0.29	3.89	19.56	1623
ML_09 - 028	0.00	4.37	0.11	1.96	4.85	0.72	25.97	7.69	87.99	29.77	133.52	24.21	214.28	41.78	0.20	11.55	12.94	1616
ML_09 - 029	0.01	0.85	0.01	0.26	0.73	0.48	5.79	1.83	17.01	4.03	13.45	2.09	15.53	2.52	0.71	16.64	3.51	1750
ML_09 - 031	0.00	25.31	0.04	0.67	1.43	0.16	7.22	2.78	32.69	11.93	57.75	12.15	106.39	21.36	0.15	206.01	23.80	2537
ML_09 - 032	0.01	16.58	0.12	1.62	3.44	1.14	17.32	5.46	70.04	27.68	143.49	30.24	284.83	61.69	0.45	41.03	28.65	1665
ML_09 - 033	0.01	8.83	0.05	1.26	2.42	0.19	12.39	3.86	42.81	14.88	69.88	14.11	126.56	24.76	0.10	45.84	16.07	1731
ML_09 - 037	0.00	14.53	0.01	0.25	0.69	0.10	4.10	1.48	20.93	7.89	43.36	10.03	98.61	20.64	0.17	286.21	40.48	1164
ML_09 - 038	0.02	24.03	0.16	2.53	4.46	1.02	21.89	6.37	73.06	25.92	118.89	22.57	202.47	39.59	0.32	42.69	14.55	1621
ML_09 - 039	0.00	15.33	0.06	1.12	2.56	0.20	13.93	4.80	60.08	22.91	112.31	23.11	207.78	41.23	0.10	69.72	23.81	1659
ML_09 - 040	0.01	22.76	0.06	0.99	2.43	0.80	13.40	4.53	60.23	23.12	116.97	24.46	231.02	48.21	0.43	106.87	28.93	1606
ML_09 - 041	3.34	40.62	2.90	15.82	9.15	4.05	29.23	8.00	80.54	26.42	117.79	23.16	204.89	39.27	0.76	2.91	10.81	2629
ML_09 - 042	0.02	14.20	0.19	3.12	4.97	1.17	23.08	6.80	80.82	28.55	134.82	26.43	241.61	48.61	0.33	22.31	16.94	1627
ML_09 - 043	0.00	0.83	0.05	1.01	2.84	0.08	23.35	8.66	111.53	39.33	189.84	36.61	315.84	60.08	0.03	4.91	20.70	1096
ML_09 - 044	0.01	18.53	0.11	1.71	3.80	0.51	19.81	6.17	74.55	27.17	131.19	25.81	229.11	45.73	0.18	50.99	18.57	1684
ML_09 - 046	0.00	12.86	0.04	0.76	1.79	0.23	10.96	3.81	48.67	19.01	93.07	19.29	181.23	36.59	0.16	93.43	26.85	1607
ML_09 - 047	0.01	8.18	0.15	3.39	5.79	0.34	21.51	5.78	59.83	20.69	91.93	17.42	153.19	30.52	0.09	16.12	11.41	1294
ML_09 - 049	0.29	5.13	0.21	2.44	3.36	0.41	17.43	4.99	56.87	19.08	85.68	16.51	142.36	26.56	0.17	4.70	12.26	2028
ML_09 - 051	0.01	23.19	0.04	0.50	0.91	0.21	4.98	1.60	19.75	7.12	35.72	7.62	69.51	14.20	0.30	152.72	22.93	2516
ML_09 - 053	0.14	43.68	0.16	1.81	3.20	0.68	18.48	6.36	86.65	34.16	175.22	37.13	346.33	67.19	0.27	61.08	29.25	1635
ML_09 - 054	0.00	20.59	0.04	0.81	1.55	0.56	6.78	2.10	25.77	9.82	49.78	10.55	102.18	21.71	0.53	138.92	25.77	1633
ML_09 - 055	0.00	10.60	0.02	0.49	1.35	0.17	6.39	2.13	27.25	10.08	50.78	10.57	97.39	19.52	0.18	126.43	24.57	2567
ML_09 - 056	0.00	9.53	0.02	0.25	0.55	0.16	2.79	0.81	9.90	4.16	19.32	4.11	42.02	9.82	0.39	170.61	28.29	1618
ML_09 - 058	0.00	16.38	0.10	1.70	4.78	1.12	28.92	8.94	108.64	38.11	177.89	34.66	314.02	60.60	0.29	48.76	16.85	1529
ML_09 - 059	0.04	25.69	0.43	6.82	8.43	3.36	32.79	8.95	95.81	32.87	146.36	27.23	239.42	47.94	0.62	17.42	11.76	1663
ML_09 - 060	0.03	10.22	0.08	1.34	1.98	0.76	7.61	1.71	16.42	5.24	22.60	4.19	38.55	7.95	0.60	32.98	8.40	1319
ML_09 - 061	0.00	9.36	0.04	0.77	1.96	0.68	13.02	4.27	54.39	20.63	100.73	21.11	195.57	40.71	0.41	70.06	25.14	1663
ML_09 - 062	0.01	35.24	0.07	1.27	2.67	0.46	15.15	5.24	69.80	26.44	132.28	27.91	254.67	50.61	0.22	145.93	26.87	1598
ML_09 - 063	0.08	4.26	0.53	7.67	10.31	1.36	47.73	14.19	156.82	52.35	221.07	39.98	335.07	62.37	0.19	2.29	10.51	1626
ML_09 - 064	0.01	7.00	0.08	1.50	2.68	0.34	15.35	4.73	55.76	19.85	91.57	17.57	155.36	30.66	0.16	26.70	16.07	1085
ML_09 - 066	0.05	1.07	0.09	1.46	5.87	0.10	47.52	16.33	170.60	47.05	178.60	29.99	235.39	40.41	0.02	2.86	6.84	1075
ML_09 - 068	0.00	4.59	0.04	0.57	1.43	0.47	7.06	2.37	29.29	11.04	53.52	10.81	100.73	21.27	0.45	34.02	24.23	1561
ML_09 - 069	0.02	17.35	0.12	1.78	2.50	0.24	13.45	4.32	51.17	18.33	84.15	16.68	150.65	28.30	0.12	42.09	16.93	2467
ML_09 - 070	0.12	27.53	0.08	1.24	2.89	0.81	14.43	4.78	54.53	20.09	96.06	18.96	172.34	34.69	0.38	66.87	19.33	2895
ML_09 - 071	0.00	13.53	0.09	1.38	2.61	0.69	12.45	3.72	44.87	15.55	76.99	15.89	149.96	31.02	0.37	44.13	20.04	1796
ML_09 - 072	0.00	12.62	0.05	1.17	2.66	0.08	14.18	4.55	55.60	20.56	96.03	18.58	163.57	31.75	0.04	72.39	18.01	1578

ML_09 - 073	0.00	15.13	0.07	1.26	3.12	0.08	19.74	6.35	83.58	30.76	143.81	27.54	236.52	43.98	0.03	63.49	17.92	1596
ML_09 - 074	0.00	27.23	0.06	0.98	2.58	0.68	13.77	4.55	58.92	22.39	112.50	23.44	219.49	45.08	0.35	130.12	26.32	1637
ML_09 - 075	0.00	16.50	0.06	1.05	1.94	0.76	9.21	2.66	30.91	11.01	51.53	10.48	99.66	20.76	0.55	86.04	18.14	1561
ML_09 - 076	0.02	23.47	0.26	4.72	7.09	2.28	29.97	7.80	87.55	29.93	134.95	26.18	237.33	46.16	0.48	26.43	12.39	1567
ML_09 - 077	0.01	30.59	0.09	1.57	2.40	0.61	11.38	3.13	35.73	12.21	55.61	10.98	99.15	19.37	0.36	95.16	13.69	2518
ML_09 - 078	0.01	21.19	0.16	3.06	6.55	0.91	33.64	10.53	127.86	45.97	214.58	41.46	369.55	70.85	0.19	38.06	16.94	1640
ML_09 - 079	0.01	28.11	0.19	2.80	5.44	1.36	26.36	8.10	100.88	38.18	181.93	37.04	338.98	68.55	0.35	43.08	20.92	1633
ML_09 - 080	0.05	5.56	0.13	1.18	2.86	0.58	22.43	9.78	148.10	63.87	354.72	78.87	731.72	137.83	0.22	10.77	49.42	1165
ML_09 - 081	0.02	8.09	0.07	0.93	0.91	0.18	3.92	1.09	11.64	4.01	18.56	3.95	35.47	6.81	0.29	31.07	13.97	1002
ML_09 - 083	0.02	5.25	0.06	0.87	1.88	0.26	10.50	3.65	43.18	13.90	61.27	12.03	104.26	19.73	0.18	24.29	15.11	1119
ML_09 - 084	0.00	16.71	0.07	1.41	3.27	1.23	19.98	7.02	86.66	33.63	162.97	33.13	309.62	62.38	0.47	67.12	25.12	1499
ML_09 - 085	0.01	17.10	0.04	1.04	2.22	0.19	15.17	5.17	68.10	25.37	125.44	25.32	228.89	44.58	0.10	113.58	23.64	1592
ML_09 - 086	0.00	19.87	0.09	1.51	3.26	0.41	16.19	5.56	69.61	25.59	124.56	25.10	229.31	46.06	0.17	64.39	22.88	1706
ML_09 - 088	0.09	10.57	0.58	7.64	11.40	0.30	51.06	15.34	168.00	56.91	244.26	44.24	363.58	65.21	0.04	5.22	10.27	2010
ML_09 - 089	0.01	24.68	0.06	0.89	2.13	0.42	11.93	4.16	53.71	21.23	104.02	22.11	206.17	41.56	0.25	108.51	28.02	1608
ML_09 - 090	0.00	21.36	0.06	1.07	2.39	0.31	14.38	5.08	63.90	24.55	122.09	24.89	234.45	47.03	0.16	104.11	26.31	1658
ML_09 - 091	1.20	54.01	1.73	15.51	17.64	3.89	69.83	20.28	224.09	73.21	314.97	58.80	479.83	87.44	0.34	7.40	10.07	2571
ML_09 - 092	0.00	9.62	0.02	0.39	1.20	0.30	7.30	2.48	32.72	12.45	63.22	13.66	130.56	26.93	0.31	112.90	29.69	1627
ML_09 - 094	0.01	12.61	0.04	0.78	2.10	0.21	14.30	5.52	74.53	29.70	149.21	30.74	272.45	51.76	0.12	84.51	29.11	3046
ML_09 - 095	0.00	6.20	0.06	1.12	2.54	0.23	15.64	5.15	66.75	24.28	116.19	23.14	204.68	39.67	0.11	29.65	20.41	1584
ML_09 - 096	0.00	9.62	0.05	0.82	1.87	0.56	12.60	4.21	53.14	20.31	100.35	20.80	192.42	39.48	0.35	62.16	25.20	1634
ML_09 - 097	0.01	13.69	0.25	3.86	6.35	2.00	31.34	10.06	122.16	45.61	214.47	42.24	378.19	73.87	0.43	16.09	18.96	1644
ML_09 - 098	1.31	16.96	1.65	12.94	12.92	2.31	50.62	14.98	160.03	53.18	227.42	41.02	339.46	59.83	0.28	2.37	9.51	2153
ML_09 - 099	0.13	1.28	0.08	1.06	3.51	0.02	20.98	6.30	51.40	9.71	22.55	2.09	10.42	1.20	0.01	2.87	0.46	2398
ML_09 - 100	0.00	8.37	0.03	0.60	1.82	0.09	10.30	3.78	48.18	18.80	93.43	19.27	178.40	34.94	0.07	69.63	27.28	1574
ML_09 - 101	0.00	10.86	0.08	1.95	4.17	0.56	26.02	7.87	93.19	33.02	152.57	28.34	238.81	46.42	0.17	39.92	14.35	1068
ML_09 - 102	0.01	31.05	0.25	4.31	6.84	1.24	28.99	8.28	97.04	34.18	157.42	30.90	277.46	53.94	0.27	37.29	14.97	1610
ML_09 - 103	0.91	39.17	0.41	3.98	4.28	1.30	15.34	3.33	33.17	11.11	48.68	9.25	84.67	18.69	0.49	15.48	9.80	1728
ML_09 - 104	0.02	28.68	0.21	3.48	4.25	1.43	13.86	3.19	30.65	10.22	44.45	8.56	78.05	16.70	0.57	40.88	9.69	1446
ML_09 - 105	0.01	9.89	0.06	0.99	2.17	0.19	11.21	3.48	44.70	16.32	77.95	16.06	146.27	28.83	0.12	46.52	20.69	1767
ML_09 - 106	0.06	38.22	0.11	1.77	4.02	1.07	19.72	6.00	74.93	28.23	140.79	29.63	275.88	55.54	0.37	83.39	22.66	1614
ML_09 - 107	0.00	14.56	0.04	1.01	2.28	0.19	14.23	5.29	65.78	25.23	120.40	24.93	219.54	42.28	0.10	97.89	23.90	1835
ML_09 - 108	1.40	78.17	1.18	8.04	7.61	2.64	31.84	9.42	116.48	42.38	211.65	43.27	399.73	79.70	0.52	13.64	20.13	1723
ML_09 - 109	0.00	43.85	0.07	1.43	3.45	0.99	18.14	6.21	75.54	28.88	143.43	29.91	283.10	57.34	0.38	198.86	25.42	1613
ML_09 - 110	0.01	8.48	0.06	0.96	2.06	0.29	8.43	2.72	33.17	11.42	52.43	10.46	95.78	18.48	0.22	41.41	17.62	1168
ML_09 - 112	0.52	11.76	0.38	2.98	3.17	0.87	12.89	3.97	52.22	19.12	93.73	18.61	168.79	32.38	0.42	6.05	20.20	1959
ML_09 - 114	0.00	6.87	0.03	0.58	2.24	0.30	14.99	4.92	59.44	21.25	98.09	19.81	185.22	38.79	0.16	73.59	20.82	959
ML_09 - 115	0.00	9.75	0.06	1.14	2.41	0.30	12.79	3.92	47.50	17.03	80.31	15.89	144.07	28.10	0.17	46.43	17.68	2539
ML_09 - 116	0.04	20.91	0.08	1.32	2.83	0.24	16.31	5.30	68.36	26.23	126.34	26.13	231.84	45.68	0.11	64.06	22.53	1798
ML_09 - 118	0.00	11.80	0.05	0.89	2.24	0.52	13.19	4.32	54.27	20.77	99.91	20.21	190.12	38.74	0.29	74.47	23.63	1602
ML_09 - 119	0.00	7.98	0.05	0.96	2.23	0.08	12.93	4.54	55.92	20.96	102.41	20.21	180.89	35.54	0.05	45.60	22.10	1701

ML_09 - 120	0.00	11.50	0.07	1.23	2.56	0.12	14.35	4.73	60.26	22.63	108.74	21.87	194.73	37.53	0.06	49.99	21.04	1706
ML_09 - 121	0.00	11.72	0.05	0.91	1.88	0.66	11.04	3.50	43.88	16.95	83.53	17.04	159.38	32.60	0.44	71.26	23.75	1623
ML_09 - 122	0.05	37.29	0.15	2.27	4.18	0.66	22.15	6.63	77.05	27.54	132.39	26.50	238.80	47.60	0.21	65.63	17.29	1590
ML_09 - 125	0.00	11.03	0.02	0.34	0.94	0.26	6.80	2.30	32.45	12.95	72.60	16.39	164.69	37.52	0.32	165.77	44.36	1638
ML_09 - 126	0.01	7.12	0.06	1.16	1.86	0.35	11.98	4.14	53.17	20.92	98.72	20.52	186.23	36.01	0.23	34.75	24.19	1769
ML_09 - 127	0.01	44.12	0.10	1.84	3.23	0.61	18.55	6.49	82.29	31.33	154.33	31.90	297.07	59.56	0.24	131.11	25.83	1598
ML_09 - 128	2.89	57.38	0.78	3.64	2.86	0.46	15.71	5.91	81.60	32.26	170.25	37.67	354.80	70.40	0.21	9.02	36.04	1570
ML_09 - 129	0.00	8.04	0.06	1.17	2.51	0.59	13.80	4.52	52.96	18.95	90.51	17.85	165.72	31.93	0.31	41.46	18.62	1283
ML_09 - 130	0.05	6.92	0.09	1.37	2.67	0.48	14.54	4.37	54.26	20.39	94.98	19.11	171.31	33.61	0.24	19.90	18.59	1838
ML_09 - 131	0.03	6.92	0.32	5.03	7.79	0.64	33.23	9.33	106.47	36.97	161.68	30.88	262.72	50.17	0.12	6.27	12.14	1662
ML_09 - 132	33.10	320.78	39.24	140.13	31.73	1.64	30.33	7.26	84.30	33.55	200.06	51.01	484.45	78.72	0.16	1.85	20.88	947
ML_09 - 134	0.04	29.91	0.46	6.48	7.62	4.04	28.53	7.00	74.70	25.23	110.46	21.20	190.38	39.11	0.84	18.97	11.03	1631
ML_09 - 135	0.00	25.17	0.06	1.11	2.55	0.23	14.01	4.42	55.62	20.92	96.11	19.64	175.26	34.58	0.12	133.94	19.86	2540
ML_09 - 136	0.00	9.48	0.04	0.89	2.05	0.25	11.76	3.80	47.25	17.48	82.87	16.43	145.42	28.77	0.16	64.19	19.68	1858
ML_011A - 001	0.27	18.96	0.55	5.47	5.68	1.50	25.71	7.47	82.90	28.04	132.40	26.97	239.42	48.58	0.38	8.66	15.20	1777
ML_011A - 002	0.42	25.63	0.96	8.25	10.45	4.00	41.65	10.55	102.91	33.24	156.34	33.83	321.85	68.11	0.59	6.89	13.15	1763
ML_011A - 003	0.01	23.86	0.07	1.08	1.71	0.25	8.10	2.54	29.86	11.76	54.25	11.22	103.19	20.73	0.20	98.08	20.57	2508
ML_011A - 004	0.01	12.11	0.08	1.94	4.04	0.47	18.44	5.80	74.34	25.75	123.42	24.21	219.59	43.11	0.17	44.61	18.80	1803
ML_011A - 005	0.01	9.97	0.21	3.50	5.57	0.75	27.69	8.23	89.51	32.80	151.07	29.04	249.65	45.67	0.19	13.66	13.27	1770
ML_011A - 006	0.91	17.44	1.57	11.34	12.20	4.94	47.19	14.05	139.84	48.06	243.27	57.73	610.91	127.99	0.63	2.73	21.81	1670
ML_011A - 007	0.05	3.27	0.10	1.14	2.88	0.33	22.57	9.91	148.52	62.73	339.31	75.29	717.40	147.61	0.13	8.49	52.60	1837
ML_011A - 008	0.01	4.82	0.08	2.16	5.58	0.51	34.98	12.00	159.19	58.14	280.03	56.89	494.41	97.02	0.11	17.06	22.31	1839
ML_011A - 009	0.01	22.14	0.02	0.74	2.79	0.48	17.71	8.55	129.52	57.37	323.93	79.72	838.17	174.68	0.21	318.35	79.33	1583
ML_011A - 010	0.09	10.59	0.21	2.35	4.38	0.84	24.39	7.22	80.73	29.32	139.01	29.29	267.52	54.77	0.25	12.97	18.06	2561
ML_011A - 011	0.01	12.36	0.04	0.65	1.95	0.11	13.82	6.10	79.41	35.22	170.02	35.96	322.73	61.23	0.06	85.91	35.63	2968
ML_011A - 012	0.12	7.14	0.12	1.25	3.52	0.47	18.80	7.42	96.14	39.85	199.48	41.05	386.29	78.36	0.18	12.71	33.52	1797
ML_011A - 013	0.09	20.90	0.38	5.68	5.98	2.03	21.54	5.51	58.98	20.00	93.87	17.38	152.12	30.89	0.55	15.08	11.54	1741
ML_011A - 014	0.15	17.44	0.22	2.06	2.48	0.57	11.55	3.56	39.77	14.53	71.70	15.06	147.07	30.47	0.33	19.01	21.23	1829
ML_011A - 015	1.75	67.18	2.77	23.24	27.32	11.63	72.86	17.69	128.40	33.30	130.54	24.06	207.03	35.48	0.80	5.86	3.92	1888
ML_011A - 016	0.02	14.01	0.23	4.55	9.11	1.19	42.68	13.17	156.34	57.80	277.17	54.08	495.21	101.17	0.19	18.00	19.07	2548
ML_011A - 017	0.01	4.96	0.04	0.91	1.97	0.93	12.75	4.21	56.51	22.26	108.68	22.73	219.20	45.41	0.56	37.46	28.66	2510
ML_011A - 018	0.13	2.52	0.27	2.21	2.09	0.72	9.62	3.98	58.83	24.82	160.52	46.19	566.37	131.24	0.49	2.33	109.69	1608
ML_011A - 020	0.37	20.50	0.53	4.47	5.85	1.13	27.63	8.01	93.88	33.42	151.82	29.79	257.67	48.30	0.27	9.15	14.06	1758
ML_011A - 021	1.17	35.38	2.01	16.20	15.98	6.09	56.82	14.02	136.00	39.39	167.61	32.49	301.58	57.03	0.62	4.32	8.07	2498
ML_011A - 022	0.01	6.95	0.06	0.91	3.53	0.35	19.24	7.25	97.27	36.45	190.00	38.06	358.46	69.21	0.13	34.75	28.94	1584
ML_011A - 023	2.09	16.32	3.84	30.50	29.88	12.45	93.88	20.91	178.79	53.92	276.60	71.47	806.32	176.39	0.72	1.06	15.11	1801
ML_011A - 024	0.36	8.96	0.59	7.01	11.36	1.35	64.41	19.97	234.06	83.25	372.15	71.70	610.63	113.41	0.15	3.68	14.16	1602
ML_011A - 025	0.01	18.87	0.23	3.06	5.52	0.32	27.42	8.35	107.23	38.81	181.15	35.48	294.30	57.59	0.08	24.94	16.89	2116
ML_011A - 026	0.04	1.19	0.17	2.46	5.42	0.84	32.28	11.27	130.36	38.40	144.12	24.19	178.89	29.69	0.19	1.88	7.40	1788
ML_011A - 027	0.01	2.44	0.01	0.83	2.89	0.73	20.82	7.37	109.17	40.50	196.69	39.28	365.69	70.54	0.29	76.78	27.26	1814
ML_011A - 028	0.48	8.63	0.29	1.82	2.86	0.50	15.69	4.77	60.23	22.24	102.80	20.45	182.06	34.09	0.23	5.47	17.47	2328

ML_011A - 029	0.00	3.52	0.01	0.38	1.24	0.10	6.35	2.51	30.73	11.88	60.45	12.26	114.84	22.24	0.11	80.16	28.16	2068
ML_011A - 030	0.04	1.61	0.07	1.17	3.43	0.31	18.19	4.82	41.08	10.06	33.25	5.13	33.19	5.89	0.12	5.42	2.61	2447
ML_011A - 032	10.99	94.22	19.65	148.70	148.38	61.55	484.90	107.37	723.68	164.78	519.98	96.34	818.70	164.59	0.70	1.19	2.73	1936
ML_011A - 034	0.01	1.32	0.03	0.05	0.16	0.10	1.85	0.86	11.37	5.11	29.08	7.82	84.75	21.31	0.57	11.33	92.72	2421
ML_011A - 035	0.01	2.72	0.06	1.17	2.96	0.18	18.96	6.69	92.15	34.52	166.09	32.89	294.38	57.34	0.07	12.78	24.33	1688
ML_011A - 036	0.01	7.78	0.16	2.60	4.44	0.61	21.99	6.37	75.15	27.42	119.49	23.63	203.75	38.97	0.19	14.57	14.25	3240
ML_011A - 037	0.30	11.22	0.64	2.72	3.73	1.14	12.46	3.66	34.81	12.48	61.26	14.04	148.19	32.80	0.51	4.48	21.17	1782
ML_011A - 040	0.03	10.83	0.14	2.30	3.52	0.57	23.02	6.56	80.04	30.45	137.80	27.78	238.25	45.86	0.19	22.00	16.02	1809
ML_011A - 041	1.65	9.38	0.92	7.22	6.78	1.64	29.95	8.99	103.90	35.99	161.36	31.31	265.54	51.22	0.35	1.81	13.75	1863
ML_011A - 042	0.00	7.22	0.04	0.73	1.72	0.13	10.48	3.46	41.81	16.80	77.14	15.71	139.97	29.00	0.09	53.92	22.25	1860
ML_011A - 043	0.04	5.91	0.12	1.87	3.81	0.50	18.21	6.10	65.96	24.32	117.18	23.46	223.88	43.05	0.18	12.98	19.01	1772
ML_011A - 044	0.01	9.89	0.13	2.39	3.62	0.66	18.10	5.72	67.84	25.20	121.88	24.33	217.32	43.23	0.25	22.56	19.21	1869
ML_011A - 045	2.90	8.83	0.45	1.41	0.77	0.46	3.02	1.09	13.26	5.36	30.08	7.24	79.08	20.21	0.91	1.68	53.81	1870
ML_011A - 046	0.01	73.29	0.01	0.24	0.82	0.47	7.71	3.35	45.45	21.97	129.40	33.67	379.34	84.92	0.57	2016.93	88.61	2431
ML_011A - 047	5.66	44.82	8.84	62.89	58.84	23.18	199.93	53.40	433.50	107.36	408.42	73.91	676.07	127.43	0.65	1.22	5.13	1783
ML_011A - 048	0.87	8.52	1.43	9.74	9.34	3.05	41.39	11.38	123.31	39.58	181.20	35.09	330.83	62.20	0.47	1.45	12.09	2571
ML_011A - 050	2.05	31.85	3.51	26.01	24.57	8.47	83.28	21.62	202.98	63.18	292.36	63.96	634.46	128.51	0.57	2.23	12.41	1588
ML_011A - 051	0.33	11.25	0.55	5.36	5.47	1.93	25.98	7.51	74.24	24.52	114.21	22.14	193.79	36.43	0.49	4.98	11.28	1760
ML_011A - 052	0.00	9.55	0.02	0.28	0.69	0.13	4.01	1.32	20.04	7.56	38.76	8.97	93.47	20.51	0.25	124.75	41.13	1716
ML_011A - 055	0.04	15.96	0.13	1.80	3.45	0.62	17.24	6.15	71.40	26.91	123.70	24.32	221.59	42.53	0.25	33.26	19.85	2760
ML_011A - 056	0.06	50.00	0.62	9.43	13.62	1.60	45.27	10.83	106.32	31.73	126.30	21.75	175.80	32.41	0.20	23.36	5.76	1718
ML_011A - 058	0.80	26.46	1.36	9.47	9.69	3.69	34.38	8.78	69.47	18.85	72.69	13.61	126.39	26.92	0.62	4.77	6.30	2396
ML_011A - 059	2.86	17.66	4.27	35.01	37.47	14.28	110.65	27.57	254.61	84.55	414.79	95.58	949.27	193.61	0.68	0.99	14.07	1749
ML_011A - 060	0.96	47.18	1.57	11.98	12.57	5.36	48.03	13.21	135.25	43.25	183.64	38.52	381.21	86.28	0.67	7.32	14.45	1861
ML_011A - 061	0.36	18.19	0.48	2.93	4.00	1.60	17.37	4.81	50.86	17.77	93.02	18.63	186.43	39.73	0.59	8.86	18.40	1713
ML_011A - 062	0.01	2.81	0.13	1.95	6.15	0.13	33.58	11.85	145.16	51.98	248.57	47.64	408.56	77.74	0.03	6.45	18.62	1823
ML_011A - 063	0.43	6.60	1.12	8.64	14.55	3.53	69.11	18.66	190.74	60.82	259.63	46.80	391.67	74.56	0.34	1.54	8.68	1855
ML_011A - 064	0.00	29.71	0.13	1.48	2.93	1.16	11.85	3.38	36.86	13.63	62.53	12.59	123.21	26.64	0.60	68.88	18.09	2437
ML_011A - 065	0.00	13.08	0.04	0.65	1.34	0.19	9.36	3.46	50.08	20.79	108.41	23.99	229.22	47.03	0.16	108.36	40.44	1762
ML_011A - 066	0.58	30.07	1.52	14.81	18.23	5.03	74.81	20.48	203.13	64.45	263.91	50.75	417.04	80.21	0.42	5.19	8.62	1860
ML_011A - 067	0.01	4.48	0.05	0.40	0.91	0.39	7.03	3.55	58.50	28.06	171.65	47.95	538.80	118.35	0.48	26.55	135.36	2544
ML_011A - 068	0.57	20.27	1.40	14.37	24.72	4.06	96.53	23.00	206.73	53.10	197.82	33.89	285.16	48.50	0.25	3.77	4.04	1699
ML_011A - 069	0.01	5.32	0.04	0.55	1.55	0.23	7.85	2.51	33.20	12.21	60.14	12.37	116.56	22.49	0.20	38.55	23.06	1728
ML_011A - 070	1.27	10.71	1.73	12.62	13.38	5.91	55.73	18.35	206.77	80.94	414.90	93.84	904.94	183.35	0.66	1.45	26.46	1665
ML_011A - 071	1.23	11.10	0.94	6.35	7.64	0.61	36.50	12.44	151.37	56.66	265.88	51.43	458.89	87.62	0.11	2.35	19.31	1591
ML_011A - 072	0.00	6.00	0.02	0.48	1.68	0.11	12.03	4.47	55.68	22.19	111.90	23.54	215.41	42.34	0.08	86.15	28.32	1839
ML_011A - 073	0.00	4.14	0.01	0.02	0.23	0.05	0.97	0.34	5.67	2.41	14.94	3.91	45.67	11.08	0.29	114.62	91.81	1601
ML_011A - 074	0.69	19.44	1.04	9.84	12.02	4.56	41.02	11.23	98.04	32.98	154.95	34.61	343.60	73.93	0.63	4.48	14.50	1785
ML_011A - 075	0.00	5.16	0.01	0.16	0.25	0.22	1.84	0.54	8.98	3.61	19.62	5.12	56.24	13.54	0.98	196.53	59.11	1815
ML_011A - 076	3.31	33.60	5.06	38.79	41.89	16.22	126.70	30.38	233.70	54.41	209.07	37.47	332.38	62.27	0.68	1.60	3.95	2425
ML_011A - 077	0.23	11.86	0.56	4.95	5.00	1.59	17.21	4.45	43.82	13.81	69.93	15.08	142.00	31.37	0.52	5.48	14.66	1730

ML_011A - 078	1.01	46.39	1.82	15.73	16.31	6.31	70.64	19.20	192.35	58.76	253.12	48.32	425.44	85.36	0.57	6.34	9.72	2629
ML_011A - 079	0.01	3.58	0.01	0.24	0.78	0.24	7.32	4.23	80.65	39.62	275.39	80.95	951.36	211.46	0.30	69.73	232.50	2389
ML_011A - 080	0.00	6.15	0.07	1.66	4.30	0.67	26.54	9.17	126.33	49.41	243.13	50.88	461.30	94.13	0.19	25.08	28.52	1812
ML_011A - 081	0.68	6.65	1.27	9.84	8.76	3.39	36.78	11.41	130.48	48.91	254.03	57.48	572.85	123.27	0.58	1.30	26.96	1546
ML_011A - 082	0.02	11.49	0.05	1.08	2.49	0.27	17.42	6.16	77.32	30.97	150.98	30.86	276.65	54.69	0.13	57.30	25.25	1593
ML_011A - 083	5.32	36.88	8.46	61.36	53.96	22.78	173.28	38.95	274.46	63.65	226.23	40.58	363.92	74.88	0.72	1.06	3.48	1716
ML_011A - 084	0.18	98.31	0.35	3.10	3.06	1.19	17.10	6.08	73.01	30.20	163.86	40.37	425.23	91.33	0.50	71.04	42.97	1770
ML_011A - 085	5.98	43.41	2.44	13.81	9.06	0.95	24.44	7.37	87.92	31.40	146.35	31.05	285.47	55.30	0.20	2.73	18.20	1784
ML_011A - 086	1.34	17.34	1.83	14.07	13.23	5.93	54.06	13.82	103.33	26.58	91.83	17.96	180.91	44.48	0.68	2.22	6.62	1702
ML_011A - 087	0.00	6.82	0.03	0.62	1.56	0.13	7.89	2.76	35.34	13.90	66.93	14.35	131.44	26.46	0.11	57.57	26.98	1839
ML_011A - 088	0.00	19.26	0.05	0.49	1.46	0.22	8.61	3.57	46.68	18.90	104.48	22.82	225.05	48.87	0.19	117.38	45.67	1722
ML_011A - 090	0.00	10.62	0.10	1.78	4.07	0.62	19.50	5.97	72.96	28.34	136.01	27.28	258.61	53.42	0.21	30.11	22.03	1874
ML_011A - 092	26.78	69.15	6.20	22.13	7.26	0.76	25.90	9.31	116.19	45.14	222.79	48.21	454.37	89.18	0.17	1.25	27.70	2815
ML_011A - 093	0.02	11.72	0.16	2.35	4.67	0.68	26.98	8.81	100.22	35.51	170.02	31.97	287.63	54.35	0.18	21.90	16.20	1733
ML_011A - 094	0.03	5.80	0.03	0.51	1.76	0.18	7.95	2.91	36.13	13.47	63.56	12.51	117.64	22.81	0.14	39.77	23.08	1733
ML_011A - 095	0.96	15.95	1.80	14.97	19.61	6.51	64.15	17.15	157.58	50.04	230.10	48.78	457.49	94.22	0.56	2.21	11.81	1802
ML_011A - 096	92.71	179.01	15.14	51.84	18.13	5.13	59.54	16.11	158.84	54.44	244.19	49.70	417.39	81.22	0.48	1.05	10.97	1814
ML_011A - 097	0.03	7.84	0.12	1.62	2.82	1.15	15.91	5.53	69.79	30.43	169.16	40.50	431.89	97.89	0.53	17.78	49.49	2258
ML_011A - 098	0.12	11.64	0.20	2.16	2.90	1.16	20.18	6.35	71.64	24.44	115.80	23.18	205.42	39.78	0.47	14.05	15.86	1781
ML_011A - 101	0.06	5.36	0.13	2.04	4.28	0.61	25.77	9.12	111.90	42.35	203.85	40.63	358.05	70.55	0.18	10.48	22.02	1819
ML_011A - 102	0.01	15.74	0.17	3.52	5.61	0.67	23.53	6.83	79.13	29.23	136.27	26.52	240.10	47.80	0.18	27.00	16.34	1828
ML_011A - 103	0.38	5.23	0.57	4.16	3.48	1.47	13.80	3.54	29.19	9.65	54.00	14.85	194.67	66.52	0.65	2.18	38.76	1854
ML_011A - 104	0.25	12.97	0.48	6.54	8.45	0.73	29.54	7.54	82.63	26.57	110.75	20.09	167.75	33.00	0.14	6.79	8.98	1851
ML_011A - 105	0.01	23.16	0.04	0.62	1.22	0.33	8.28	4.31	68.37	31.99	195.98	54.13	615.97	140.73	0.31	173.18	136.67	2609
ML_011A - 106	0.01	2.59	0.08	1.29	3.09	0.10	22.61	7.72	95.45	36.77	169.12	34.16	292.41	55.67	0.04	9.49	19.80	1656
ML_011A - 108	0.64	40.83	1.25	9.66	11.45	3.69	48.64	13.73	151.97	53.22	259.06	55.40	554.52	118.47	0.48	8.21	19.59	1995
ML_011A - 109	1.38	13.78	3.11	26.11	35.88	11.93	123.98	32.87	332.92	110.85	505.08	104.05	912.22	176.60	0.55	1.14	11.46	1653
ML_011A - 110	0.89	16.45	2.50	23.70	31.74	8.55	123.49	31.78	297.81	95.02	394.29	73.14	598.14	113.30	0.42	1.74	7.38	1863
ML_011A - 111	0.03	7.48	0.08	0.76	1.15	0.48	4.29	1.10	8.98	3.16	17.68	4.36	49.76	13.29	0.66	23.31	24.89	1736
ML_011A - 113	0.01	6.05	0.02	0.45	1.13	0.12	5.22	2.12	26.52	9.66	44.63	9.18	81.65	16.17	0.15	70.92	24.93	2278
ML_011A - 114	0.01	8.26	0.06	0.94	2.24	0.24	13.96	4.94	65.13	26.31	133.31	27.60	251.15	50.76	0.13	35.92	29.24	1788
ML_011A - 116	0.01	4.87	0.12	1.55	3.17	0.58	19.09	7.15	92.67	38.34	204.89	46.49	476.67	100.48	0.23	11.54	42.34	1812
ML_011A - 117	0.11	2.72	0.22	2.24	4.35	2.10	32.11	9.06	102.64	34.67	173.24	39.11	410.25	88.18	0.54	3.18	22.09	2588
ML_011A - 118	0.33	13.04	0.59	5.56	8.16	1.85	36.15	10.34	108.61	34.40	149.57	27.55	230.95	42.57	0.33	5.49	9.47	1616
ML_011A - 119	0.01	12.55	0.03	0.45	0.75	0.05	3.46	1.38	18.51	7.41	40.34	9.12	89.63	19.64	0.09	98.16	45.67	2386
ML_011A - 120	0.00	7.79	0.04	1.20	2.81	0.17	17.41	6.34	82.12	31.43	154.97	31.29	283.91	56.29	0.07	52.26	26.00	2035
ML_011A - 121	0.01	2.99	0.01	0.08	0.61	0.28	5.95	3.75	70.22	36.96	251.79	75.17	923.31	210.72	0.45	54.88	284.88	1722
ML_011A - 122	0.97	6.24	1.23	8.75	8.84	3.81	27.55	7.51	78.38	28.70	185.58	57.97	793.20	183.95	0.75	1.17	53.71	1692
ML_011A - 123	1.22	10.09	1.92	15.66	17.20	6.07	74.24	21.12	224.97	79.10	368.39	71.84	643.57	125.13	0.52	1.27	13.56	1811
ML_011A - 124	0.03	23.47	0.05	0.67	1.22	0.47	7.76	2.38	32.53	11.72	56.45	11.87	112.47	23.85	0.46	108.69	24.72	1674
ML_011A - 125	1.58	6.19	0.65	6.42	9.41	1.73	40.69	11.71	138.53	48.27	224.25	44.26	395.81	81.16	0.27	1.48	16.05	1841

ML_011A - 126	0.09	12.33	0.25	3.35	6.67	0.79	33.01	10.08	122.67	44.96	203.34	40.88	343.07	64.62	0.16	12.77	15.75	1614
ML_011A - 127	0.01	17.72	0.33	5.02	10.45	1.25	45.47	14.45	174.72	61.34	277.37	52.95	444.94	85.95	0.18	15.87	15.20	1664
ML_011A - 128	0.01	9.47	0.09	1.14	2.80	0.28	14.17	5.01	61.67	22.62	108.20	21.61	184.97	35.48	0.13	28.80	20.13	1768
ML_011A - 129	0.80	12.30	1.63	15.45	19.59	6.47	77.89	20.74	207.45	67.31	313.99	64.76	622.49	121.08	0.51	1.91	12.50	2565
ML_011A - 130	0.88	36.93	1.38	11.88	17.29	8.67	102.30	24.65	198.19	54.26	227.94	44.75	402.65	77.09	0.63	6.46	6.06	1731
ML_011A - 131	2.22	11.99	2.70	21.84	22.32	8.88	67.54	16.81	130.77	40.13	203.63	52.24	577.69	126.88	0.70	1.01	15.11	1869
ML_011A - 132	0.08	7.90	0.70	9.73	11.61	1.43	52.32	14.99	176.77	60.45	267.48	49.79	420.73	76.81	0.18	3.27	11.81	1767
ML_011A - 133	0.45	6.02	0.78	6.61	10.77	2.91	45.62	14.04	160.89	60.13	279.09	57.73	498.58	95.46	0.40	1.89	16.83	1797
ML_011A - 134	0.00	4.74	0.08	1.70	3.85	0.19	19.21	5.75	71.63	26.22	125.04	23.79	211.02	42.09	0.07	16.92	17.63	1834
ML_011A - 136	0.00	2.91	0.02	0.62	2.53	0.23	19.65	8.14	117.02	46.33	233.70	48.20	436.12	86.49	0.10	35.12	35.41	1723
ML_011A - 137	0.02	24.88	0.09	0.92	1.77	0.63	9.76	3.09	43.46	17.08	86.65	20.54	211.01	44.20	0.47	79.72	36.44	1651
ML_011A - 138	0.01	13.80	0.05	0.88	2.29	0.19	11.15	4.10	47.12	17.16	78.94	15.75	138.65	28.22	0.11	78.49	20.35	1766
ML_011A - 140	1.10	14.48	1.93	17.47	21.29	7.86	68.43	17.18	124.46	31.81	136.65	28.20	262.16	50.35	0.63	1.85	5.92	1828
ML_011A - 141	0.71	65.51	1.04	6.92	7.42	3.84	32.58	8.77	85.28	30.34	157.42	40.13	495.37	107.36	0.76	14.97	26.51	2011
ML_011A - 144	0.01	64.51	0.00	0.15	0.46	0.28	3.23	1.63	23.56	11.02	66.39	17.03	182.15	43.03	0.69	3385.22	107.11	1793
ML_011A - 146	0.02	8.12	0.03	0.71	1.21	0.18	8.22	2.86	35.68	14.79	73.91	16.11	152.93	30.47	0.17	59.02	29.82	1745
ML_011A - 148	0.01	1.42	0.01	0.22	0.76	0.17	7.55	3.94	71.97	36.28	229.00	61.48	695.45	151.74	0.21	28.58	161.64	2412
ML_011A - 149	0.03	4.52	0.10	1.58	3.10	0.24	21.70	8.34	107.92	38.82	185.35	38.61	356.07	69.63	0.09	12.15	25.81	2525
ML_011A - 151	0.04	27.77	0.21	3.31	3.81	1.36	15.16	3.47	36.92	12.24	54.36	10.14	95.78	20.50	0.55	37.41	10.88	1768
ML_011A - 152	0.52	5.91	0.99	7.35	6.80	2.66	26.83	7.91	89.40	32.55	176.37	43.59	471.59	100.60	0.60	1.50	30.16	1773
ML_011A - 153	2.12	20.21	2.69	25.10	30.88	9.50	106.85	25.80	226.51	65.12	267.67	47.52	402.65	74.24	0.51	1.73	5.59	2456
ML_011A - 154	0.01	5.05	0.07	1.12	2.78	0.20	18.66	6.35	84.24	33.23	155.74	31.41	285.00	57.43	0.09	20.51	24.75	1738
ML_011A - 155	0.01	10.32	0.05	0.77	2.03	0.23	10.36	4.07	57.72	24.14	130.11	28.24	274.45	58.08	0.15	60.89	45.10	1685
ML_011A - 156	0.02	9.61	0.16	2.56	3.86	0.59	20.56	5.89	71.74	26.52	126.54	24.14	216.74	42.35	0.20	17.60	16.57	1856
ML_011A - 157	1.80	16.49	0.58	3.51	2.94	0.39	12.79	3.96	49.57	19.48	95.70	19.83	177.83	36.59	0.20	3.86	23.01	1685
ML_011A - 158	0.05	24.13	0.11	1.55	2.59	0.50	12.43	3.66	43.46	16.70	79.10	16.98	162.79	32.80	0.27	55.75	21.23	1761
ML_011A - 159	0.96	52.58	1.74	16.52	23.36	10.52	85.40	24.84	217.19	60.03	241.05	45.39	395.78	74.63	0.72	7.49	7.03	2194
ML_011A - 160	2.28	32.30	3.64	26.97	27.35	9.50	96.72	25.58	234.86	67.64	278.35	50.32	425.19	81.44	0.56	2.15	6.77	2240
ML_011A - 161	0.03	1.51	0.04	0.27	0.91	0.30	5.87	3.49	62.32	31.49	198.75	54.90	639.22	142.96	0.40	8.24	195.87	1640
ML_012A - 001	3.50	110.86	5.55	39.63	35.28	12.53	81.01	16.43	149.67	42.30	201.05	44.42	450.13	93.96	0.72	4.83	9.33	1652
ML_012A - 002	2.59	110.46	4.63	36.17	31.05	11.03	65.94	12.26	90.65	21.74	85.73	16.67	176.89	39.34	0.75	5.90	4.80	1665
ML_012A - 003	0.23	1.95	0.49	4.63	17.23	13.91	197.34	32.63	171.78	27.71	71.35	9.82	71.12	10.74	0.73	1.01	0.44	1629
ML_012A - 004	0.01	2.53	0.01	0.27	0.73	0.23	7.63	4.15	80.71	41.95	274.68	74.15	826.69	178.66	0.29	42.04	188.44	1604
ML_012A - 005	1.20	50.14	1.78	13.70	12.83	3.77	47.62	15.72	192.23	72.59	362.34	78.39	741.86	146.72	0.47	6.72	24.78	1787
ML_012A - 006	0.01	6.27	0.04	0.68	2.26	0.16	15.47	5.83	85.19	32.15	164.87	33.85	308.24	62.13	0.08	49.49	32.31	1822
ML_012A - 007	0.01	5.99	0.02	0.35	0.95	0.11	7.33	3.15	48.42	22.20	119.93	27.21	248.76	49.66	0.13	80.26	54.47	1796
ML_012A - 008	2.51	29.49	2.89	17.74	13.93	5.68	36.28	8.63	71.49	23.19	110.81	26.82	283.68	57.40	0.77	2.29	12.72	1886
ML_012A - 009	0.02	6.52	0.18	2.92	5.71	0.44	33.15	12.08	163.95	63.20	308.12	61.62	551.05	106.13	0.10	10.45	25.75	1801
ML_012A - 013	0.35	5.66	0.51	3.98	3.73	0.70	16.58	7.18	112.87	48.96	281.32	68.94	681.64	137.90	0.27	2.64	66.91	1710
ML_012A - 014	0.00	7.22	0.03	0.71	1.98	0.17	13.41	4.79	62.18	24.35	124.51	24.55	221.15	44.36	0.10	72.41	26.62	1846
ML_012A - 015	0.00	4.23	0.02	0.48	1.95	0.13	12.50	5.04	69.04	28.78	150.21	32.62	303.06	60.83	0.08	53.17	39.15	1860

ML_012A - 016	0.15	7.43	0.14	1.02	1.42	0.62	10.45	4.94	89.65	38.08	226.19	54.15	532.29	110.00	0.49	11.16	84.63	1926
ML_012A - 017	0.02	25.29	0.08	1.44	2.69	0.70	15.77	5.62	71.22	29.03	154.13	35.76	354.61	79.64	0.33	88.56	40.63	1853
ML_012A - 018	0.01	8.19	0.10	1.67	2.59	0.86	14.25	4.23	50.59	19.04	98.86	21.24	224.50	49.12	0.43	24.20	27.73	1607
ML_012A - 019	0.09	6.95	0.19	1.69	1.83	0.43	9.00	3.95	57.67	25.03	145.99	35.30	366.46	78.55	0.32	9.59	70.23	1885
ML_012A - 020	0.03	44.52	0.12	2.23	3.92	1.51	18.38	5.36	62.40	23.49	115.40	23.72	229.23	46.84	0.54	104.65	20.49	1978
ML_012A - 021	0.05	3.16	0.11	0.66	0.82	0.29	2.83	1.28	15.03	6.56	37.41	8.81	99.23	23.61	0.58	7.59	67.22	1690
ML_012A - 022	3.74	56.98	3.75	24.22	24.16	8.41	88.41	23.92	236.33	71.72	320.02	66.69	587.20	112.68	0.56	3.30	10.25	1566
ML_012A - 023	2.15	16.54	1.98	14.36	12.59	3.63	39.86	10.69	124.56	44.60	217.83	45.87	421.26	83.31	0.50	1.77	16.81	1607
ML_012A - 024	3.04	19.27	2.49	15.98	9.77	2.90	26.70	6.97	82.64	30.45	157.32	33.93	322.23	66.47	0.55	1.58	20.02	1599
ML_012A - 025	1.37	130.23	3.32	29.11	38.24	11.08	120.11	29.93	288.27	86.97	360.20	62.89	525.57	95.07	0.50	10.20	6.37	1779
ML_012A - 026	0.05	8.31	0.06	0.49	1.02	0.24	10.53	4.35	67.61	28.57	156.36	36.93	378.67	79.02	0.23	29.89	60.34	1852
ML_012A - 027	3.33	126.36	4.05	28.91	21.42	7.83	46.34	9.67	80.89	23.24	109.43	27.16	294.55	63.58	0.76	7.12	11.04	1588
ML_012A - 028	0.21	16.85	0.31	3.32	4.43	0.86	18.73	8.23	118.18	47.16	247.95	58.10	582.61	115.02	0.29	12.77	49.40	2334
ML_012A - 029	0.01	6.20	0.07	0.86	3.10	0.54	20.14	6.95	98.46	38.14	192.52	39.39	363.73	70.39	0.21	26.25	28.12	1851
ML_012A - 030	0.01	4.36	0.01	0.04	0.29	0.06	1.02	0.46	6.14	3.29	21.68	6.10	73.13	18.43	0.35	86.65	145.70	1571
ML_012A - 031	0.71	28.37	0.90	6.55	7.53	2.48	25.13	9.35	141.76	60.60	341.73	79.17	814.47	166.80	0.55	7.30	53.39	1778
ML_012A - 032	0.09	3.30	0.09	1.06	1.58	0.49	11.41	5.51	90.52	41.01	250.08	61.27	627.90	132.06	0.36	7.84	93.13	1585
ML_012A - 033	28.52	389.88	31.91	188.71	136.13	47.94	287.44	60.00	424.37	103.25	391.76	71.62	600.41	109.11	0.74	2.73	3.05	1616
ML_012A - 034	1.83	13.47	1.01	5.76	3.87	1.06	10.61	3.12	32.50	13.63	76.89	17.52	188.78	43.23	0.50	2.36	32.76	1612
ML_012A - 035	0.05	12.91	0.13	1.93	4.82	0.45	26.37	9.14	112.22	41.92	199.98	39.22	346.48	68.16	0.12	27.00	20.79	1906
ML_012A - 036	0.01	8.60	0.12	2.18	5.65	0.70	31.65	10.76	127.27	47.49	228.03	42.96	381.79	74.11	0.16	20.77	18.84	1977
ML_012A - 037	0.06	3.51	0.09	1.10	2.37	0.19	19.55	7.44	102.96	41.99	213.79	44.33	402.47	80.27	0.09	8.93	33.03	1771
ML_012A - 038	1.48	52.94	2.85	22.84	22.14	6.40	64.77	15.91	166.33	55.07	255.56	49.98	446.53	87.63	0.52	4.65	10.88	1847
ML_012A - 039	0.01	8.19	0.05	1.63	3.25	0.45	21.42	7.22	86.65	34.13	163.88	31.85	281.47	53.59	0.17	43.55	20.13	1842
ML_012A - 040	0.00	4.08	0.01	0.19	0.97	0.32	8.81	5.57	96.59	48.52	302.18	79.19	864.21	184.87	0.33	140.98	168.77	1903
ML_012A - 042	0.01	7.74	0.16	3.48	7.72	0.33	36.50	11.46	134.66	48.25	215.79	41.62	355.68	66.82	0.06	14.32	14.73	1897
ML_012A - 043	0.01	2.37	0.06	1.24	2.79	0.17	16.58	5.69	68.78	26.53	122.07	25.13	232.31	47.97	0.08	10.43	23.28	1595
ML_012A - 044	0.01	30.11	0.07	1.18	2.39	1.04	12.18	3.70	46.72	16.26	86.58	18.84	181.64	38.34	0.59	118.12	25.32	1714
ML_012A - 045	2.41	50.38	2.41	14.33	12.39	4.67	31.31	7.75	83.28	27.44	153.67	41.25	476.00	106.35	0.72	4.53	27.32	1861
ML_012A - 046	11.01	30.19	3.24	13.55	6.51	0.31	25.01	7.89	95.94	37.20	169.19	34.04	295.65	57.09	0.07	1.20	18.36	1738
ML_012A - 047	6.39	248.75	11.96	80.61	70.27	22.72	158.49	32.25	258.02	70.64	283.42	56.00	493.86	94.31	0.66	5.19	4.79	1582
ML_012A - 048	0.05	52.11	0.62	9.64	15.58	1.08	95.18	30.89	394.13	143.29	665.85	128.61	1081.8	212.85	0.09	24.69	17.99	1725
ML_012A - 049	0.76	25.01	0.75	6.15	7.78	3.38	47.73	13.80	155.29	49.67	215.89	40.64	350.60	66.41	0.54	7.19	11.19	1830
ML_012A - 050	10.76	73.90	13.80	90.00	71.08	30.88	160.14	37.65	256.97	53.42	161.49	36.18	318.38	72.14	0.88	1.24	3.62	1813
ML_012A - 051	0.08	12.80	0.37	5.07	9.45	2.61	51.03	16.09	190.23	67.18	295.73	55.33	460.47	83.67	0.36	9.60	13.19	1728
ML_012A - 052	0.00	2.22	0.04	0.91	3.39	0.16	20.58	8.35	103.27	38.96	189.55	38.39	335.67	65.85	0.06	16.12	25.73	1704
ML_012A - 054	1.69	61.08	2.69	18.96	17.28	7.31	53.88	15.58	183.96	66.13	308.23	61.04	501.04	91.99	0.73	5.50	13.73	1576
ML_012A - 055	0.01	5.44	0.07	0.99	3.61	0.37	20.69	8.30	118.59	47.32	227.71	47.75	438.31	87.14	0.13	21.30	33.88	1699
ML_012A - 056	0.75	48.06	1.20	7.97	6.66	2.35	21.48	7.24	112.62	47.01	273.03	70.51	751.00	153.06	0.60	9.74	57.31	1828
ML_012A - 057	2.74	82.66	2.43	16.04	10.98	3.40	27.48	7.35	97.20	37.15	215.02	54.00	622.75	138.98	0.60	7.11	40.67	1680
ML_012A - 058	0.18	8.92	0.17	1.30	1.51	0.67	12.44	6.08	106.00	48.88	297.27	75.32	778.58	164.71	0.47	11.01	106.48	1862

ML_012A - 060	0.01	48.76	0.07	1.01	2.80	3.10	59.17	21.56	141.90	27.19	86.70	15.67	163.73	36.12	0.74	186.00	4.91	1622
ML_012A - 062	0.52	26.24	0.98	6.43	6.39	2.14	20.07	5.54	68.10	25.79	141.52	34.26	347.08	75.68	0.58	6.69	30.33	1622
ML_012A - 063	0.02	3.22	0.02	0.11	0.50	0.14	8.56	4.48	82.15	42.79	274.37	72.46	775.98	171.33	0.21	41.10	161.07	1597
ML_012A - 064	0.08	18.67	0.16	2.28	4.51	0.66	28.70	9.60	119.59	44.49	205.44	39.21	343.85	66.83	0.18	28.86	18.73	1579
ML_012A - 065	0.01	5.51	0.04	0.79	1.82	0.22	12.54	4.43	55.70	22.04	104.52	20.53	187.76	37.98	0.14	38.99	24.35	1911
ML_012A - 066	0.01	8.05	0.01	0.16	0.93	0.24	8.87	5.17	98.26	50.98	331.11	89.19	949.00	203.32	0.25	166.07	184.44	1621
ML_012A - 067	0.80	59.97	1.10	8.07	7.88	2.92	28.96	7.77	91.28	33.46	183.03	41.17	402.20	86.88	0.59	12.85	24.13	1639
ML_012A - 068	0.54	37.47	1.27	9.75	13.04	3.79	38.58	11.53	145.87	60.09	345.17	81.37	829.37	174.17	0.52	7.65	36.31	1879
ML_012A - 069	0.52	15.60	0.69	9.35	12.60	2.91	60.08	18.22	208.63	73.75	314.17	60.63	474.11	90.31	0.32	5.27	12.09	1850
ML_012A - 070	0.20	18.66	0.35	3.13	4.38	1.04	29.15	11.61	174.95	70.21	394.58	89.87	877.41	182.53	0.28	13.07	50.37	1609
ML_012A - 071	0.00	8.35	0.06	0.79	2.87	0.24	21.23	7.15	100.28	40.46	196.73	40.36	363.24	72.78	0.09	42.61	27.58	2237
ML_012A - 072	0.01	7.20	0.04	0.66	2.17	0.34	12.76	4.67	56.74	21.27	102.08	20.95	187.80	36.50	0.20	56.11	23.02	1692
ML_012A - 073	0.08	8.49	0.16	1.74	3.24	0.51	22.49	7.76	113.98	43.51	228.53	46.53	431.24	83.10	0.18	13.54	29.72	1752
ML_012A - 074	0.01	9.99	0.03	0.65	1.74	0.35	12.03	4.52	64.45	23.61	124.99	26.73	275.02	57.65	0.24	82.06	38.56	1602
ML_012A - 075	0.04	16.74	0.11	1.15	3.36	0.60	24.12	11.80	194.66	86.22	510.85	119.67	1181.7	237.81	0.21	38.97	79.30	1890
ML_012A - 076	0.11	7.09	0.23	2.15	3.98	0.88	29.96	10.49	146.29	57.07	289.74	58.36	513.44	101.03	0.25	7.99	27.13	1723
ML_012A - 077	0.05	1.04	0.02	0.34	1.85	0.38	16.44	5.60	42.59	8.94	26.83	4.18	27.41	4.35	0.21	7.31	2.13	1756
ML_012A - 078	0.00	16.00	0.04	0.86	1.70	0.54	10.99	3.40	42.54	16.00	76.06	16.83	157.48	31.43	0.38	112.97	23.01	1693
ML_012A - 079	0.01	22.14	0.11	1.81	2.27	0.44	10.12	2.49	21.68	7.21	32.51	7.41	59.44	12.62	0.28	56.99	10.03	1580
ML_012A - 080	0.96	15.54	0.90	5.68	3.60	1.29	12.96	4.37	48.41	20.44	108.47	24.73	253.79	56.31	0.58	3.68	34.95	1726
ML_012A - 081	0.00	11.17	0.02	0.21	0.63	0.16	3.65	1.16	18.11	7.71	44.64	10.60	122.19	29.54	0.32	199.49	65.05	1580
ML_012A - 082	0.02	12.97	0.27	3.54	7.67	0.91	39.00	12.34	153.62	55.70	269.74	54.11	496.29	95.94	0.16	14.24	19.79	1603
ML_012A - 083	0.00	4.88	0.02	0.47	2.08	0.13	11.32	4.85	68.02	28.07	143.53	30.67	291.02	60.45	0.08	75.37	42.94	1943
ML_012A - 084	0.00	3.67	0.02	0.35	2.29	0.06	13.92	5.63	74.22	30.28	153.62	32.87	297.82	60.99	0.03	45.08	35.25	1893
ML_012A - 085	1.28	15.72	1.67	11.77	9.19	3.86	32.45	10.20	137.73	56.90	351.82	96.84	1156.8	267.41	0.68	2.18	66.28	1607
ML_012A - 087	3.19	203.50	6.37	43.28	42.75	14.40	92.08	18.67	162.48	45.38	215.54	47.86	454.23	93.45	0.70	8.06	8.16	1843
ML_012A - 088	0.38	17.17	0.71	5.21	5.05	1.54	16.37	4.77	65.18	27.66	158.52	40.47	421.99	87.61	0.52	6.02	43.05	1819
ML_012A - 089	1.46	23.03	1.66	12.51	11.52	3.76	35.46	10.36	119.06	42.58	213.23	46.32	443.19	89.28	0.57	3.11	20.25	1821
ML_012A - 090	0.10	13.92	0.21	1.77	1.47	0.71	6.28	1.86	16.88	6.28	32.78	7.25	75.32	17.24	0.71	16.66	22.07	1656
ML_012A - 091	1.40	68.20	2.52	17.49	18.41	7.30	65.28	16.10	141.07	43.15	231.21	57.79	614.04	133.06	0.64	6.71	16.40	1782
ML_012A - 092	0.02	9.86	0.19	3.41	7.55	0.59	41.79	13.36	158.48	55.23	246.15	46.99	387.74	72.81	0.10	14.92	14.02	1592
ML_012A - 093	0.70	21.48	0.93	9.56	13.27	1.69	53.88	16.27	176.65	58.49	248.12	45.69	399.81	83.10	0.19	5.40	12.41	1826
ML_012A - 094	0.11	38.46	0.26	2.80	5.05	0.93	16.20	4.39	49.06	18.08	83.13	17.86	168.49	35.65	0.31	38.21	17.70	1798
ML_012A - 095	1.15	29.42	1.63	11.56	10.72	3.99	30.29	8.12	85.90	29.32	142.85	32.79	325.81	67.44	0.68	4.27	17.91	1579
ML_012A - 097	0.00	6.50	0.05	1.60	3.62	0.43	23.52	8.33	116.73	45.41	234.25	46.64	426.47	84.15	0.14	35.78	28.78	1624
ML_012A - 099	0.01	10.79	0.16	2.76	6.67	0.26	32.51	10.64	122.58	44.46	204.82	40.10	355.33	67.95	0.05	19.84	16.81	1851
ML_012A - 100	0.02	13.22	0.14	1.95	2.33	0.67	14.38	4.41	53.18	19.96	100.33	20.79	206.93	43.58	0.35	26.83	24.37	1805
ML_012A - 101	0.01	2.83	0.04	0.83	3.31	0.25	26.62	10.32	150.16	60.40	306.35	63.25	558.09	110.96	0.08	21.54	33.52	2737
ML_012A - 102	0.01	27.27	0.05	1.44	2.47	1.21	14.69	4.60	57.23	21.51	103.51	21.68	204.35	41.93	0.62	144.62	22.96	2487
ML_012A - 103	0.84	13.10	1.19	8.57	8.40	3.03	24.27	7.04	78.03	25.96	127.17	28.58	283.42	53.95	0.65	2.61	17.88	2506
ML_012A - 104	0.00	10.60	0.02	0.47	0.75	0.26	6.87	3.65	65.26	31.83	213.66	59.84	691.49	156.67	0.35	172.45	183.50	1869

ML_012A - 106	0.01	2.91	0.00	0.12	0.55	0.14	6.63	3.69	65.23	33.56	213.53	60.05	677.24	145.89	0.22	117.26	177.03	2243
ML_012A - 107	0.02	4.12	0.15	2.19	5.07	0.82	25.61	7.89	104.55	37.59	187.07	38.51	376.02	75.02	0.22	7.92	23.56	1845
ML_012A - 108	0.31	27.52	0.33	1.69	2.06	0.83	5.63	1.76	16.62	4.92	22.25	4.14	38.77	8.57	0.75	18.45	12.24	1740
ML_012A - 110	1.60	6.92	0.46	2.22	2.86	0.47	17.96	7.46	104.28	42.07	208.90	43.92	423.19	83.58	0.20	1.91	37.44	1771
ML_012A - 111	0.36	5.19	0.57	3.12	2.61	1.12	7.45	1.92	20.00	7.34	49.56	13.19	168.35	45.14	0.77	2.21	48.75	1599
ML_012A - 112	0.03	2.18	0.06	0.33	1.26	0.35	10.42	5.19	85.99	37.72	244.90	66.55	756.01	162.88	0.30	9.27	125.72	1658
ML_012A - 113	0.01	5.34	0.04	0.53	1.42	0.37	11.28	4.47	58.94	22.81	122.24	27.61	290.75	59.51	0.28	36.31	42.45	1553
ML_012A - 114	0.01	2.51	0.06	1.63	4.32	0.24	35.27	15.39	205.25	78.07	392.76	77.19	668.75	126.61	0.06	11.11	28.87	1730
ML_012A - 117	1.06	52.03	2.05	14.17	14.81	4.16	41.05	9.48	101.75	33.76	152.45	30.47	276.43	55.81	0.52	6.36	10.93	1578
ML_012A - 118	0.00	2.55	0.01	0.07	0.08	0.03	1.36	0.62	8.00	3.64	20.35	4.99	52.10	12.65	0.31	68.02	74.68	1752
ML_012A - 120	0.00	6.60	0.00	0.40	0.99	0.20	8.83	3.90	62.00	26.64	157.09	39.27	407.41	87.06	0.20	407.41	79.33	1569
ML_012A - 121	1.01	19.22	1.29	10.15	6.22	2.34	20.49	5.44	61.79	23.53	123.72	27.57	274.27	59.58	0.63	3.43	23.39	1791
ML_012A - 122	0.12	7.00	0.08	0.91	1.91	0.44	15.17	7.49	133.04	64.95	415.81	113.49	1275.04	267.96	0.25	16.73	142.12	1840
ML_012A - 123	1.10	71.96	1.54	10.55	10.00	3.64	28.65	8.52	115.67	49.84	299.69	80.73	892.94	190.95	0.66	11.02	53.60	1783
ML_012A - 124	0.73	36.02	0.84	6.81	7.06	2.41	23.64	7.07	100.00	41.24	247.46	64.95	736.45	158.82	0.57	9.69	54.03	1630
ML_012A - 125	0.00	11.60	0.05	1.10	1.39	0.72	11.08	3.44	40.23	15.83	87.71	19.25	196.59	44.63	0.56	69.95	32.41	1612
ML_012A - 127	0.99	57.88	1.61	12.74	13.87	6.59	67.58	17.96	186.87	68.70	391.62	98.74	1026.32	218.86	0.66	8.73	26.05	1772
ML_012A - 128	0.27	27.08	0.33	2.41	2.60	0.76	9.88	3.44	40.98	17.32	98.82	24.65	268.56	64.06	0.46	18.80	52.15	1861
ML_012A - 129	0.14	21.93	0.23	1.63	2.08	0.67	7.68	2.53	37.71	15.24	104.56	31.22	391.57	95.92	0.51	23.28	100.51	2550
ML_012A - 130	1.45	69.28	2.79	22.25	23.30	7.02	65.60	15.19	135.37	38.67	161.72	30.29	256.25	47.30	0.55	6.23	5.80	2951
ML_012A - 131	0.43	15.44	0.29	1.91	2.46	1.25	10.85	2.58	27.88	9.81	51.62	12.53	137.69	32.31	0.74	10.19	23.95	1571
ML_012A - 132	0.19	39.93	0.21	2.22	2.71	1.06	15.98	4.32	56.04	20.19	98.57	22.03	209.68	45.24	0.49	42.84	22.77	1580
ML_012A - 133	0.00	17.00	0.04	0.71	1.58	0.15	9.73	3.47	45.35	17.79	89.29	18.11	178.09	36.31	0.12	116.19	30.01	1623
ML_012A - 134	3.92	120.90	5.00	27.71	23.98	7.69	58.70	13.71	121.00	38.12	166.63	31.41	275.52	50.41	0.63	5.58	6.91	1586
ML_012A - 135	0.07	1.66	0.09	0.90	1.29	0.13	8.26	4.31	73.53	34.70	205.94	51.47	527.68	113.15	0.13	4.18	110.20	1610
ML_012A - 138	0.00	4.01	0.00	0.05	0.13	0.09	1.86	0.84	10.70	4.03	23.56	5.75	64.82	15.45	0.59	280.41	66.91	2576
ML_012A - 139	0.00	4.16	0.02	0.53	2.48	0.28	13.11	2.81	16.69	3.58	11.90	1.86	13.56	2.54	0.15	53.13	1.56	1764
ML_012A - 140	0.04	2.28	0.07	0.71	2.48	0.69	14.11	4.64	39.83	9.44	34.96	6.75	54.69	10.84	0.36	7.95	6.18	1713
ML_012A - 141	22.43	50.38	4.66	23.05	13.94	3.64	61.54	18.59	218.12	77.23	343.79	63.34	547.18	102.26	0.38	1.13	13.37	1679
ML_012A - 142	0.65	11.82	0.80	5.61	4.65	1.38	16.64	5.68	74.58	29.49	166.15	40.97	417.91	90.06	0.48	3.38	43.54	1789
ML_012A - 143	1.01	45.87	1.82	13.86	10.77	3.78	31.70	7.26	72.19	24.31	113.96	22.53	208.86	41.65	0.63	6.26	10.57	1699
ML_012A - 144	3.55	33.47	5.24	34.46	28.59	9.61	73.89	18.95	174.22	52.05	234.38	47.45	420.89	83.24	0.64	1.52	9.06	1611
ML_012A - 145	0.01	0.20	0.02	0.20	1.33	0.09	9.21	3.18	26.94	5.68	17.11	2.58	17.02	2.72	0.08	2.72	2.38	2458
ML_012A - 146	0.01	2.41	0.01	0.06	0.60	0.20	5.51	3.70	67.09	31.92	203.43	55.18	616.06	133.05	0.33	45.92	194.33	2082
ML_012A - 148	3.42	130.21	5.43	38.21	35.94	13.68	112.63	23.44	164.31	42.14	181.11	34.75	341.83	72.10	0.66	5.80	5.15	1820
ML_012A - 149	0.37	7.29	0.52	3.98	3.47	1.55	15.25	5.71	94.12	41.65	248.24	63.32	661.05	140.54	0.65	3.29	74.13	1664
ML_012A - 150	4.62	180.21	6.19	43.67	43.33	13.82	94.08	18.64	140.61	37.09	157.42	32.23	301.83	58.51	0.66	6.79	5.00	1652
ML_012A - 151	0.03	8.90	0.06	0.58	1.33	0.27	8.77	4.40	80.94	37.08	243.93	63.36	688.58	146.88	0.24	35.66	134.78	1584
ML_012A - 152	1.70	98.99	2.94	21.87	20.75	7.27	62.68	16.78	184.12	61.78	283.57	57.18	468.29	83.88	0.62	8.27	10.76	1871

ML_012A - 154	0.14	8.67	0.41	2.25	2.20	0.69	11.13	5.58	85.04	37.78	218.93	50.64	486.04	100.61	0.42	5.71	72.73	1757
ML_012A - 155	0.24	17.78	0.58	5.66	8.46	1.89	31.99	8.91	100.25	33.85	156.50	31.62	281.41	54.51	0.35	8.00	13.71	1675
ML_13 - 001	0.00	9.68	0.03	0.29	0.95	0.05	5.81	2.33	30.43	11.73	61.01	13.26	119.19	23.80	0.06	93.32	32.93	1853
ML_13 - 002	0.00	19.48	0.04	0.41	1.56	0.21	7.78	2.41	30.93	10.83	52.49	11.35	109.53	22.22	0.19	154.15	22.96	1989
ML_13 - 003	0.01	6.47	0.04	0.66	1.17	0.14	6.89	2.44	32.05	12.14	59.25	11.94	109.42	21.66	0.15	46.17	25.28	1888
ML_13 - 004	2.34	41.53	3.14	22.15	20.87	7.05	71.67	20.80	237.94	81.38	379.02	72.12	626.87	116.73	0.56	3.09	13.10	1856
ML_13 - 005	0.33	11.37	0.40	5.49	8.39	0.69	36.00	11.01	121.63	41.49	185.27	34.12	294.91	54.11	0.12	6.46	12.09	1830
ML_13 - 007	0.00	6.47	0.04	0.70	1.53	0.09	9.27	2.95	39.73	14.73	72.16	14.37	127.77	25.77	0.07	54.96	22.36	1734
ML_13 - 008	0.00	6.74	0.01	0.29	0.60	0.07	4.08	1.62	22.79	9.91	55.44	12.93	129.99	27.46	0.13	144.65	54.11	1833
ML_13 - 009	0.09	10.58	0.28	3.11	3.81	0.98	18.16	5.60	65.33	24.20	112.33	22.15	194.98	36.77	0.36	10.21	16.28	1814
ML_13 - 011	0.00	7.99	0.04	0.61	1.32	0.10	8.23	3.27	40.93	16.25	80.09	16.93	155.68	31.37	0.10	56.81	30.66	1827
ML_13 - 014	0.00	8.83	0.06	0.96	2.51	0.26	14.08	4.56	59.78	22.39	107.01	21.54	191.36	37.28	0.14	46.87	21.30	1863
ML_13 - 017	0.00	6.65	0.01	0.22	0.68	0.08	5.76	2.23	34.40	14.80	82.71	18.64	185.06	36.89	0.12	129.44	51.53	3268
ML_13 - 018	0.01	8.21	0.11	1.86	3.04	0.21	15.78	4.91	57.95	20.64	97.05	19.15	164.46	32.09	0.09	21.27	16.36	1841
ML_13 - 019	0.01	12.08	0.12	1.87	3.47	0.21	18.02	5.94	70.17	24.52	119.29	23.43	206.37	40.87	0.08	28.33	18.24	1854
ML_13 - 020	0.00	9.09	0.06	1.35	4.00	0.48	24.88	8.57	109.67	41.56	193.22	37.71	325.46	62.58	0.15	42.98	20.23	1863
ML_13 - 021	0.01	9.06	0.03	0.68	1.45	0.12	9.86	3.55	48.00	18.70	94.55	19.60	186.46	36.00	0.10	80.98	29.36	1843
ML_13 - 022	0.02	8.07	0.27	4.44	7.56	0.45	35.89	10.64	118.47	40.85	177.96	33.38	275.44	51.80	0.08	8.64	11.61	1752
ML_13 - 023	0.01	9.06	0.05	0.97	1.74	0.22	11.15	3.82	47.58	17.53	85.70	18.29	161.76	31.67	0.15	49.76	22.84	1836
ML_13 - 024	0.04	15.54	0.23	3.53	5.06	1.47	21.87	5.34	62.65	22.24	102.64	20.80	194.71	40.03	0.43	19.42	14.72	2677
ML_13 - 026	0.74	15.86	1.07	6.42	6.43	3.29	19.21	5.45	58.67	19.77	92.11	18.39	166.49	31.66	0.91	3.51	13.26	1814
ML_13 - 027	0.00	7.17	0.13	2.19	5.66	0.19	33.47	11.23	137.38	49.32	226.41	42.28	367.45	71.33	0.04	15.92	17.14	1768
ML_13 - 028	0.06	10.34	0.12	1.55	3.23	0.34	15.99	5.43	67.29	24.53	115.80	23.53	211.50	41.49	0.14	21.69	20.86	1815
ML_13 - 029	0.64	29.92	1.23	12.23	14.06	4.62	43.72	11.64	117.80	36.38	158.35	29.77	252.26	46.14	0.57	6.09	8.49	1876
ML_13 - 030	0.01	7.93	0.16	2.63	4.61	0.38	22.05	6.65	77.48	27.11	121.79	23.46	205.44	39.02	0.11	14.29	14.23	1849
ML_13 - 031	0.02	3.67	0.02	0.22	1.11	0.18	10.71	5.67	83.70	34.84	182.13	38.63	363.81	72.94	0.16	37.19	54.79	1820
ML_13 - 033	0.01	7.62	0.13	1.93	3.49	0.47	18.57	6.22	75.15	28.08	134.61	26.72	243.61	46.97	0.18	16.88	20.35	2810
ML_13 - 034	1.36	20.04	1.77	10.84	8.54	5.28	20.57	5.25	55.26	17.72	83.45	17.09	153.04	29.01	1.22	2.63	11.34	1830
ML_13 - 035	0.00	16.48	0.06	1.19	2.74	0.11	16.99	5.63	71.57	26.99	126.79	25.37	225.74	44.21	0.05	80.09	20.93	1840
ML_13 - 036	0.00	6.50	0.05	0.78	1.65	0.21	10.37	3.44	48.59	19.05	99.26	22.59	218.15	44.75	0.16	37.30	34.72	2710
ML_13 - 037	0.77	15.35	1.07	8.18	8.75	3.35	30.86	8.78	97.53	33.29	148.01	28.82	252.79	48.10	0.62	3.38	12.54	1837
ML_13 - 040	0.10	10.86	0.04	0.73	1.53	0.12	10.45	3.53	45.92	17.40	86.08	17.62	158.89	31.17	0.09	43.66	23.99	1851
ML_13 - 041	1.68	22.87	1.63	10.94	10.60	3.88	38.40	11.88	141.44	51.44	240.28	46.13	395.53	74.61	0.59	3.01	15.63	1862
ML_13 - 042	0.03	9.68	0.11	1.71	2.96	0.27	17.73	6.07	76.49	29.42	142.13	29.52	264.16	50.58	0.12	25.07	22.95	2782
ML_13 - 045	0.16	10.42	0.23	3.65	5.94	0.82	30.47	9.41	117.49	42.18	195.35	37.32	324.50	61.82	0.19	10.72	16.32	1840
ML_13 - 046	0.04	9.17	0.08	0.83	1.21	0.30	5.98	2.08	29.91	12.02	63.64	14.22	138.71	28.10	0.34	28.38	37.80	1850
ML_13 - 048	0.01	7.85	0.04	0.74	1.73	0.18	9.00	3.09	41.70	15.99	76.56	16.01	147.56	28.83	0.14	49.93	25.78	1857
ML_13 - 049	0.84	22.35	1.14	9.24	8.75	3.29	24.22	7.20	83.18	27.31	129.83	25.76	235.65	44.48	0.69	4.59	14.77	1816
ML_13 - 050	0.20	11.94	0.27	1.85	2.20	0.85	10.13	3.24	41.47	15.63	78.53	16.67	154.82	30.72	0.55	10.36	24.39	1766
ML_13 - 051	0.18	10.84	0.41	3.76	4.92	1.89	23.68	7.60	90.98	34.10	161.87	32.13	286.62	55.32	0.53	6.83	18.79	1739
ML_13 - 052	0.53	12.00	0.72	4.86	4.20	2.34	12.18	3.48	41.55	14.87	74.51	16.10	153.35	30.17	1.00	3.88	19.92	1850

ML_13 - 053	12.70	103.13	15.25	89.69	62.62	40.47	105.34	23.17	191.16	51.57	225.51	45.36	442.06	85.85	1.52	1.54	6.56	1862
ML_13 - 054	0.72	20.29	1.03	6.34	5.87	3.38	18.57	4.75	51.00	18.42	87.72	18.55	167.91	34.83	0.99	4.65	15.08	2400
ML_13 - 055	0.00	8.48	0.04	0.56	1.33	0.18	9.98	3.52	44.62	17.38	83.81	17.18	156.81	31.08	0.15	63.58	25.04	1851
ML_13 - 056	0.49	6.77	0.79	4.76	4.33	2.25	15.88	6.76	112.00	52.12	303.45	74.49	751.69	150.05	0.83	2.08	76.00	1854
ML_13 - 057	0.00	8.69	0.05	0.81	1.80	0.13	10.96	3.84	49.01	18.57	92.39	19.19	172.56	33.72	0.09	53.99	24.75	1830
ML_13 - 058	0.01	7.02	0.23	3.22	5.69	0.67	27.44	8.47	98.67	34.32	157.51	30.69	265.51	49.63	0.16	9.04	14.55	1783
ML_13 - 059	0.01	7.19	0.21	3.27	7.18	0.52	33.71	10.12	115.20	38.97	171.45	31.90	266.35	49.69	0.10	9.98	11.86	1761
ML_13 - 060	0.11	8.40	0.23	3.16	4.76	0.33	27.39	8.22	96.01	33.70	148.57	28.08	245.29	45.58	0.09	9.23	13.39	1732
ML_13 - 062	0.00	12.82	0.04	0.65	1.72	0.19	11.46	3.98	52.90	20.46	100.42	20.27	184.98	36.08	0.13	104.14	25.33	1867
ML_13 - 063	0.07	7.11	0.13	2.46	4.08	0.50	25.49	7.55	91.18	32.44	146.50	27.95	249.86	48.21	0.15	13.34	15.22	1775
ML_13 - 064	0.22	14.62	0.30	2.44	3.18	0.92	14.38	5.21	62.43	23.47	115.49	23.53	211.62	40.77	0.42	11.38	22.80	1860
ML_13 - 065	0.01	9.95	0.06	0.86	1.80	0.13	10.28	3.63	44.92	16.53	81.92	16.84	156.13	30.56	0.09	48.08	23.92	1853
ML_13 - 066	0.02	6.55	0.09	1.07	2.53	0.45	14.67	5.29	69.19	26.14	127.75	25.85	238.02	46.65	0.23	21.38	25.58	1854
ML_13 - 067	2.41	18.32	0.87	4.61	2.66	0.15	12.00	4.14	51.89	19.51	97.03	19.79	178.55	34.79	0.08	3.04	23.32	1839
ML_13 - 068	0.22	10.46	0.25	2.25	3.08	0.75	13.96	4.52	57.17	21.81	103.73	21.02	185.00	37.14	0.35	9.45	21.40	1868
ML_13 - 069	0.00	2.35	0.01	0.29	1.02	0.13	11.23	6.49	115.82	54.27	326.77	80.89	826.21	170.82	0.12	51.31	122.36	1842
ML_13 - 070	0.02	3.11	0.32	4.95	8.23	1.89	39.66	11.64	131.02	44.48	190.17	35.64	295.40	57.44	0.32	2.83	11.65	1845
ML_13 - 071	0.01	9.41	0.06	0.80	1.30	0.27	8.27	2.76	39.31	14.86	75.54	16.25	153.33	29.78	0.25	49.54	28.97	1845
ML_13 - 072	0.24	13.35	0.36	2.90	4.12	1.07	18.68	6.00	78.23	28.64	137.16	27.31	246.40	47.26	0.37	8.99	20.35	1845
ML_13 - 073	0.00	10.92	0.09	1.72	4.49	0.20	24.89	8.97	111.96	42.08	201.44	38.52	329.50	60.05	0.06	35.89	19.40	1757
ML_13 - 074	0.01	14.72	0.12	2.17	4.50	1.13	19.44	5.72	61.52	20.05	90.20	17.48	149.62	28.50	0.37	36.92	11.79	2408
ML_13 - 075	0.00	3195.80	0.02	0.26	0.43	0.29	3.46	1.23	17.52	9.06	55.94	14.97	161.70	34.09	0.74	55371.20	79.35	1598
ML_13 - 076	0.15	12.63	0.26	2.35	3.28	0.84	15.00	4.69	58.26	22.00	107.27	21.94	197.15	39.11	0.37	12.06	20.97	1782
ML_13 - 077	0.00	10.06	0.06	0.95	2.28	0.23	12.69	4.20	55.29	20.66	99.33	19.77	178.11	34.89	0.13	48.34	22.11	1855
ML_13 - 078	0.00	10.66	0.07	0.79	1.69	0.09	10.51	3.81	47.64	18.14	90.02	18.98	168.39	33.98	0.07	43.65	26.00	1867
ML_13 - 079	0.00	8.56	0.10	2.07	5.79	0.10	28.79	8.71	102.00	34.37	158.85	30.49	270.50	52.34	0.02	26.49	14.62	2444
ML_13 - 080	1.39	22.02	1.40	8.53	8.56	4.09	28.78	9.65	117.29	44.14	221.66	46.30	419.39	82.46	0.80	3.42	23.05	1852
ML_13 - 081	0.00	7.47	0.06	0.91	1.98	0.18	12.29	3.87	52.20	19.33	94.71	18.97	176.20	34.21	0.11	34.83	22.39	1847
ML_13 - 082	0.00	10.44	0.05	0.84	2.06	0.15	10.82	3.88	52.74	19.80	98.66	20.67	192.27	37.91	0.10	64.43	28.19	1842
ML_13 - 083	0.00	8.31	0.10	2.13	4.87	0.54	29.18	10.06	124.18	46.56	218.82	43.10	367.01	71.03	0.14	25.81	19.58	1858
ML_13 - 084	0.08	13.59	0.26	3.36	5.56	0.57	27.68	8.54	105.68	36.65	172.65	33.88	290.67	54.61	0.14	13.97	15.87	1855
ML_13 - 085	0.93	12.00	1.44	9.81	8.68	3.47	36.15	10.38	124.35	47.08	230.98	44.93	417.46	85.17	0.60	2.00	18.95	1845
ML_13 - 086	0.01	3.50	0.13	1.93	3.71	0.78	20.07	6.28	78.81	28.23	133.58	25.61	224.92	44.99	0.28	7.85	18.03	1838
ML_13 - 087	0.00	5.16	0.09	1.34	2.57	0.21	15.63	4.83	59.11	20.93	98.31	19.05	168.47	32.52	0.10	18.06	16.73	1734
ML_13 - 088	0.00	6.55	0.05	0.93	2.03	0.11	10.95	3.87	48.38	18.11	86.22	17.20	152.18	29.97	0.07	41.51	22.01	1754
ML_13 - 090	0.01	10.46	0.09	1.54	3.03	0.32	19.80	6.87	86.36	32.29	157.22	31.85	278.00	54.46	0.13	33.95	22.12	1829
ML_13 - 091	0.01	10.98	0.08	1.25	2.75	0.26	16.10	5.15	64.15	24.06	112.64	22.20	198.42	38.07	0.12	40.78	19.02	1849
ML_13 - 092	0.00	9.13	0.03	0.74	1.13	0.18	7.39	2.68	33.38	13.18	67.07	13.68	128.95	25.43	0.19	76.04	27.68	1768
ML_13 - 093	0.02	14.90	0.08	0.91	1.75	0.24	11.37	4.37	57.22	22.37	111.50	23.53	210.91	41.60	0.16	53.36	29.44	1836
ML_13 - 094	0.11	13.42	0.57	7.78	10.52	0.97	54.63	16.99	194.41	69.48	306.41	56.75	488.18	93.17	0.12	6.60	13.72	1848

ML_13 - 095	0.04	19.10	0.12	1.72	3.69	0.55	21.79	7.14	90.59	34.70	161.95	32.83	289.31	55.77	0.19	42.90	20.59	1839
ML_13 - 096	0.00	7.24	0.17	3.16	6.01	0.60	36.17	10.87	128.71	45.73	210.91	39.01	331.04	60.29	0.12	12.52	13.41	1763
ML_13 - 097	0.01	7.91	0.07	1.10	2.54	0.23	13.49	4.27	54.59	19.53	93.56	18.75	165.33	31.90	0.12	30.96	19.02	1865
ML_13 - 098	0.30	8.68	0.36	4.18	6.06	1.25	28.62	8.92	101.40	37.34	171.08	32.82	284.57	53.11	0.29	5.49	14.93	1890
ML_13 - 100	0.14	11.34	0.26	2.20	3.57	0.85	17.81	5.83	71.02	26.01	126.32	26.13	232.93	45.26	0.33	10.93	20.44	1855
ML_13 - 101	0.09	13.52	0.33	4.60	7.56	0.64	31.22	9.51	112.95	38.39	173.73	33.03	283.36	53.94	0.13	11.00	13.90	1859
ML_13 - 102	0.01	9.17	0.23	3.78	8.17	1.36	41.82	13.03	150.27	53.33	242.29	46.09	399.27	75.05	0.22	11.89	14.44	1741
ML_13 - 103	0.01	8.28	0.05	0.77	1.74	0.14	11.87	3.71	51.15	18.07	87.76	17.65	162.35	31.72	0.09	48.47	21.49	1846
ML_13 - 104	0.02	18.79	0.31	5.45	9.80	2.25	46.15	13.47	151.86	53.22	235.45	43.35	370.74	68.75	0.32	17.93	11.98	2474
ML_13 - 106	0.01	5.88	0.14	2.54	5.38	1.15	29.13	9.32	105.64	37.72	165.97	31.57	270.69	50.55	0.28	12.43	13.96	1842
ML_13 - 107	0.01	8.24	0.07	0.99	2.05	0.29	12.39	4.38	59.29	21.75	109.16	22.48	203.77	41.44	0.18	33.94	26.91	2789
ML_13 - 109	0.01	11.59	0.07	1.29	3.02	0.25	16.50	5.54	68.87	26.91	128.03	25.14	231.40	44.63	0.11	44.62	21.76	1829
ML_13 - 110	0.01	11.26	0.23	4.03	7.22	0.45	34.28	10.75	121.09	41.96	188.94	35.51	304.66	57.80	0.09	14.50	13.56	1831
ML_13 - 111	0.10	15.79	0.28	3.14	5.77	0.71	28.10	9.04	107.28	37.94	177.02	34.63	305.10	57.19	0.17	14.98	16.37	1853
ML_13 - 112	0.01	12.68	0.05	0.86	2.40	0.26	15.51	5.66	68.78	26.02	122.73	23.95	215.92	42.13	0.13	74.03	21.85	1863
ML_13 - 113	0.01	12.06	0.14	2.26	5.48	0.32	31.03	10.45	133.99	49.89	234.09	44.53	382.30	69.44	0.08	25.83	18.00	1773
ML_13 - 114	0.01	4.98	0.04	0.83	2.36	0.45	9.02	2.85	31.76	11.05	50.46	9.97	93.04	18.39	0.30	31.36	16.39	2197
ML_13 - 115	0.01	9.63	0.06	1.12	2.63	0.11	16.10	5.15	67.56	25.24	120.23	24.26	214.30	42.06	0.05	44.42	21.01	1857
ML_13 - 116	1.02	10.09	1.36	8.93	6.84	4.51	15.05	4.64	61.08	24.51	144.47	38.65	471.41	105.58	1.36	1.73	56.44	1840
ML_13 - 117	0.00	6.02	0.07	1.07	2.19	0.39	13.79	4.50	54.10	19.48	90.34	17.58	157.77	30.22	0.22	27.05	17.62	1836
ML_13 - 118	0.00	9.84	0.02	0.35	0.79	0.10	5.60	2.20	31.27	12.89	71.03	16.08	161.13	33.93	0.14	142.92	48.75	1840
ML_13 - 119	0.46	12.82	0.98	6.58	6.48	2.79	19.90	5.63	63.55	22.17	102.21	19.81	172.93	33.48	0.75	3.34	13.54	1794
ML_13 - 120	0.03	25.07	0.28	5.48	9.44	0.36	46.43	14.88	181.91	64.47	298.60	56.94	487.34	88.14	0.05	26.28	15.27	1788
ML_13 - 121	0.69	8.79	0.78	5.89	6.71	3.93	21.61	6.17	64.17	21.44	98.84	23.35	209.76	40.82	1.00	2.53	15.19	2350
ML_13 - 122	11.83	84.71	11.33	62.70	47.11	29.99	92.91	21.18	182.61	53.40	228.54	44.74	393.05	73.48	1.39	1.60	6.36	1877
ML_13 - 123	3.77	52.03	4.86	28.09	25.06	14.07	38.82	9.20	80.53	23.76	110.36	23.61	231.33	45.57	1.38	2.48	9.44	1621
ML_13 - 125	0.00	9.29	0.04	0.70	1.46	0.12	8.42	3.10	40.75	16.04	82.40	17.63	164.99	32.06	0.10	73.87	30.64	2772
ML_13 - 128	0.01	24.95	0.08	1.57	3.20	0.54	14.96	4.44	51.40	18.44	84.50	16.60	149.13	28.73	0.24	91.38	15.45	2426
ML_13 - 129	0.00	9.93	0.04	0.66	1.56	0.09	10.55	3.95	54.19	21.28	106.34	22.36	204.87	40.40	0.07	80.94	30.81	1848
ML_13 - 130	3.82	40.01	5.52	36.83	33.76	16.27	96.70	26.50	291.03	99.87	445.41	86.34	727.23	137.71	0.87	1.72	11.45	1875
ML_13 - 131	0.18	16.42	0.63	8.23	12.27	0.75	56.38	16.76	194.44	66.00	288.58	52.29	444.24	80.51	0.09	7.08	11.48	1770
ML_13 - 132	2.12	19.50	1.95	12.68	11.00	5.79	26.01	7.28	76.50	25.99	123.52	24.99	227.58	44.43	1.05	2.11	13.74	1874
ML_13 - 133	0.32	11.14	0.55	5.11	6.18	2.56	24.91	7.51	84.98	30.80	147.94	30.13	276.27	54.59	0.63	4.96	17.63	1743
ML_13 - 134	1.11	18.84	0.95	6.43	6.36	2.68	21.25	6.34	71.55	25.79	126.24	25.36	226.13	44.05	0.70	4.09	16.67	1860
ML_13 - 136	0.01	11.68	0.02	0.35	0.91	0.19	7.09	2.71	35.86	15.11	74.45	15.91	147.85	30.01	0.23	160.09	34.03	1819
ML_13 - 137	0.00	9.36	0.04	0.92	2.31	0.25	12.28	4.12	54.51	20.67	99.67	20.59	185.55	35.78	0.14	64.69	23.43	1790
ML_13 - 138	0.03	8.44	0.09	0.94	1.34	0.30	8.16	2.66	35.82	14.00	68.56	14.19	132.71	26.45	0.28	25.35	26.07	1858
ML_13 - 139	0.00	9.89	0.03	0.60	1.12	0.09	7.45	2.75	36.91	14.60	71.88	15.13	143.16	27.73	0.09	98.37	29.94	1873
ML_13 - 140	0.02	7.53	0.13	2.25	3.66	0.46	19.57	6.03	78.65	27.81	129.16	25.10	221.02	41.61	0.17	16.05	17.10	1825
ML_13 - 141	0.00	10.83	0.06	0.88	1.93	0.14	10.86	3.60	50.46	18.86	93.25	19.25	170.97	33.16	0.09	57.23	24.56	1858
ML_13 - 142	0.01	8.38	0.07	1.16	2.66	0.53	16.00	5.45	71.02	26.84	126.99	25.60	232.38	45.16	0.25	35.45	22.70	1764

ML_13 - 143	0.05	8.12	0.12	1.44	2.60	0.58	13.03	4.37	53.24	19.58	96.82	18.76	170.49	33.53	0.30	16.95	20.69	1800
ML_13 - 144	0.36	11.56	0.70	5.31	6.98	2.94	25.59	7.66	85.61	28.79	130.37	25.36	222.08	42.01	0.67	4.12	13.20	1856
ML_13 - 145	0.01	10.13	0.05	1.06	1.95	0.21	11.61	4.01	50.89	18.77	93.11	18.87	168.92	33.02	0.14	60.96	22.88	1748
ML_13 - 146	0.02	11.61	0.08	0.97	1.55	0.11	9.44	3.59	46.19	18.07	92.03	19.48	181.40	35.61	0.09	41.80	30.34	1838
ML_13 - 147	0.01	3.72	0.04	0.72	1.75	0.10	11.68	3.80	50.76	19.25	89.79	18.68	163.53	31.72	0.06	23.33	21.83	1863
ML_13 - 148	1.38	17.08	1.81	11.55	10.60	5.59	33.56	11.43	148.71	57.43	294.55	65.22	600.41	117.40	0.91	2.19	28.14	1865
ML_13 - 149	0.00	9.12	0.04	0.71	1.59	0.08	9.26	3.55	43.73	17.08	84.27	17.23	154.67	30.53	0.06	66.76	26.51	1844
ML_13 - 150	0.03	7.38	0.25	3.18	4.66	0.74	20.92	6.27	70.82	23.73	106.25	20.47	178.46	33.36	0.23	8.61	12.83	1829
ML_13 - 151	0.00	12.87	0.06	1.12	2.41	0.26	13.61	4.69	58.90	22.05	107.11	20.74	195.39	37.01	0.14	64.21	21.87	1789
ML_13 - 152	0.46	11.26	0.70	5.56	6.93	2.43	31.47	10.47	131.50	49.52	245.13	49.68	454.79	88.94	0.50	3.84	22.73	1817
ML_13 - 153	0.00	8.89	0.02	0.58	1.47	0.08	8.80	2.99	39.22	15.29	76.29	16.01	143.95	27.82	0.06	116.84	25.42	1842
ML_13 - 154	0.01	11.27	0.08	1.38	3.11	0.25	17.10	5.09	59.27	21.62	101.40	19.26	168.16	32.05	0.10	44.16	15.08	1747
ML_14big - 001	0.01	13.49	0.26	5.00	9.52	1.27	55.35	17.16	211.05	76.76	342.51	61.95	514.20	93.92	0.17	15.47	13.65	3104
ML_14big - 002	0.00	17.49	0.23	0.82	2.20	0.13	12.72	4.64	61.97	24.53	118.53	25.46	228.38	44.87	0.07	22.53	28.37	1861
ML_14big - 003	0.04	6.40	0.10	1.03	2.20	0.35	12.17	3.77	48.40	17.98	85.36	17.13	155.03	30.14	0.21	17.72	19.92	1818
ML_14big - 004	0.05	11.84	0.18	2.54	5.05	0.57	24.33	7.92	94.38	33.81	154.26	30.30	262.76	49.47	0.16	17.92	16.35	1847
ML_14big - 005	0.16	12.40	0.06	0.48	1.13	0.13	8.73	3.04	41.20	16.31	81.53	17.11	156.41	31.11	0.13	30.71	28.67	1894
ML_14big - 006	0.67	22.57	1.03	6.84	6.63	3.04	15.72	4.32	47.30	13.79	67.56	15.01	160.01	35.79	0.91	5.28	18.31	1730
ML_14big - 007	0.00	18.99	0.02	0.35	1.17	0.24	10.08	4.29	68.33	29.73	172.69	43.42	457.73	99.18	0.21	305.60	79.15	1573
ML_14big - 008	0.00	6.37	0.10	1.60	4.11	0.39	25.65	8.71	107.83	40.39	186.99	36.97	325.38	64.14	0.12	19.35	20.11	1817
ML_14big - 009	9.26	120.46	10.81	63.13	45.59	17.24	75.68	19.29	164.77	42.96	176.96	35.10	328.79	64.16	0.90	2.52	6.82	1845
ML_14big - 010	1.04	30.27	1.10	7.42	9.44	2.31	34.79	10.66	123.70	44.51	214.93	42.87	396.40	76.14	0.39	6.05	17.60	2785
ML_14big - 011	0.50	7.50	0.36	2.16	2.04	0.68	8.41	3.59	52.29	22.64	126.10	30.86	320.70	67.44	0.50	4.05	64.49	1867
ML_14big - 012	0.15	8.05	0.22	1.55	2.49	0.49	13.19	4.52	62.48	23.75	117.07	23.62	216.70	43.64	0.26	8.75	26.61	1801
ML_14big - 013	0.59	18.56	0.85	5.03	4.73	1.98	11.39	3.11	31.83	10.28	49.52	11.06	122.25	29.07	0.83	5.16	20.54	1654
ML_14big - 014	0.00	14.82	0.04	0.62	0.98	0.20	4.96	1.41	17.33	6.38	30.23	6.67	62.29	12.52	0.27	119.23	20.28	3124
ML_14big - 015	2.82	48.35	3.39	20.68	17.06	6.74	40.36	11.95	130.66	41.40	192.63	42.11	390.99	77.57	0.79	3.25	15.46	1785
ML_14big - 016	0.02	7.49	0.17	2.95	5.33	0.66	30.78	9.70	114.63	40.09	189.17	35.92	309.54	57.14	0.16	12.98	14.93	1816
ML_14big - 018	0.12	30.38	0.25	2.21	4.50	0.94	20.26	7.20	86.73	30.62	148.19	30.77	289.32	56.51	0.30	30.89	22.44	1604
ML_14big - 019	0.05	13.50	0.11	1.39	3.15	0.50	19.26	6.68	87.41	32.59	153.88	30.67	270.10	51.16	0.19	32.82	21.37	1831
ML_14big - 020	0.00	25.82	0.12	1.95	5.15	0.14	29.59	9.88	124.67	44.96	210.04	42.31	375.16	71.67	0.03	64.85	19.48	1850
ML_14big - 021	0.30	15.66	0.35	2.24	2.70	1.17	6.90	2.07	24.23	8.28	41.86	9.73	101.63	21.30	0.83	10.13	24.82	1638
ML_14big - 022	0.01	2.77	0.02	0.42	1.45	0.19	15.96	7.57	99.84	35.53	154.83	27.96	227.94	42.87	0.12	37.20	21.61	1829
ML_14big - 023	0.02	42.13	0.09	1.60	3.45	0.70	18.49	6.59	80.00	29.85	137.88	27.56	242.35	47.07	0.27	127.30	20.47	1576
ML_14big - 024	3.02	43.32	4.31	27.53	23.38	9.37	51.49	14.02	134.31	37.26	153.29	28.83	249.95	44.99	0.83	2.38	7.03	1959
ML_14big - 026	0.00	13.03	0.01	0.48	1.17	0.16	9.14	3.67	54.96	22.71	126.04	27.29	265.38	54.09	0.15	272.92	47.60	3128
ML_14big - 027	0.10	26.47	0.17	1.53	1.40	0.65	5.74	1.90	24.15	9.42	52.26	13.09	139.98	31.31	0.70	38.03	43.85	1585
ML_14big - 028	0.04	14.01	0.10	1.15	2.21	0.25	11.66	4.13	53.24	20.35	100.93	21.32	191.42	37.30	0.15	36.21	25.72	1807
ML_14big - 029	0.09	21.02	0.21	3.04	4.84	1.80	21.41	5.82	66.77	22.71	104.65	21.01	197.50	39.03	0.54	25.63	14.66	1631
ML_14big - 030	0.00	10.55	0.05	0.81	1.83	0.15	10.87	3.82	49.06	19.22	93.41	18.97	166.37	31.88	0.10	57.45	23.59	1763
ML_14big - 031	1.01	18.39	0.83	5.10	3.67	1.44	6.86	1.96	19.58	6.50	34.53	8.64	105.66	28.44	0.88	4.51	33.34	1645

ML_14big - 033	1.37	82.96	2.36	19.75	21.05	6.87	62.11	17.40	187.68	61.42	275.06	54.83	486.30	92.03	0.58	8.64	11.92	1597
ML_14big - 034	0.23	36.13	0.31	3.33	4.67	1.05	19.00	5.46	67.14	23.57	112.56	22.91	209.83	40.72	0.34	27.60	17.24	2498
ML_14big - 035	0.09	11.22	0.39	5.09	6.60	0.71	31.13	9.37	107.86	36.53	169.38	31.87	271.50	51.69	0.15	7.92	13.36	1840
ML_14big - 036	0.00	11.86	0.05	1.17	2.66	0.41	15.45	5.35	67.32	25.05	116.10	23.48	207.04	39.43	0.20	66.37	20.53	1706
ML_14big - 037	14.33	45.11	4.03	17.00	4.78	0.40	14.71	4.27	56.81	21.46	103.21	21.41	189.39	37.54	0.14	1.41	20.53	1747
ML_14big - 038	0.01	32.61	0.15	2.72	7.60	1.53	49.23	18.40	240.40	90.48	419.98	80.50	661.55	113.20	0.24	65.34	18.49	1738
ML_14big - 039	0.27	14.59	0.28	1.58	1.28	0.47	3.49	1.17	16.00	6.75	44.11	12.06	144.87	38.46	0.68	11.44	88.53	1619
ML_14big - 040	0.28	13.24	0.41	3.60	4.45	1.25	18.83	5.43	65.99	23.71	112.87	23.91	213.37	41.60	0.42	7.69	17.77	1855
ML_14big - 041	0.02	9.37	0.17	3.32	6.83	1.03	38.47	12.37	145.41	52.69	240.28	46.18	404.76	76.45	0.19	15.67	15.99	1844
ML_14big - 042	0.03	14.53	0.33	5.71	11.20	2.34	61.12	19.85	236.76	85.92	396.12	75.86	639.59	118.07	0.27	12.86	15.54	1763
ML_14big - 043	0.01	3.73	0.00	0.04	0.13	0.06	0.69	0.37	7.10	3.58	22.89	6.64	84.52	23.20	0.63	204.38	270.30	1583
ML_14big - 045	0.00	8.38	0.09	1.58	3.86	0.61	23.44	7.91	99.62	37.15	175.67	34.25	308.64	59.92	0.20	27.58	20.56	1851
ML_14big - 046	1.60	21.63	1.92	12.68	10.41	3.99	22.83	6.40	66.01	20.20	91.49	19.99	193.55	37.35	0.79	2.56	13.16	1868
ML_14big - 047	0.02	10.49	0.04	0.92	2.19	0.23	11.24	3.18	32.05	10.50	43.86	7.95	71.86	14.11	0.14	64.09	10.10	1818
ML_14big - 048	0.02	6.43	0.06	1.16	2.33	0.17	12.28	3.21	33.54	11.75	53.60	10.78	104.19	20.86	0.10	29.70	13.66	2319
ML_14big - 049	0.06	10.47	0.11	1.27	2.23	0.17	12.98	4.70	61.10	22.91	114.40	23.70	212.65	41.29	0.10	24.36	25.59	1813
ML_14big - 050	0.34	18.31	0.85	8.95	11.39	2.32	45.82	14.35	176.97	67.13	321.81	61.96	536.17	102.75	0.31	5.59	18.04	1803
ML_14big - 051	0.03	9.51	0.10	1.35	2.58	0.23	15.47	5.08	64.94	24.41	117.13	23.29	206.97	40.53	0.11	27.07	21.08	1697
ML_14big - 052	0.02	28.59	0.31	5.96	10.16	2.83	44.44	12.04	134.49	44.34	195.71	36.74	312.39	59.74	0.41	26.86	10.81	1566
ML_14big - 053	0.01	39.87	0.07	1.21	2.53	0.66	16.82	5.94	74.22	28.36	135.84	28.18	259.94	52.95	0.31	171.58	25.33	1568
ML_14big - 054	0.00	19.17	0.01	0.24	0.52	0.17	3.57	1.37	18.62	7.85	44.53	10.47	117.29	28.53	0.38	407.19	64.33	1569
ML_14big - 055	1.16	15.10	1.50	9.46	9.64	3.47	35.04	11.30	138.76	47.83	225.25	45.81	411.57	77.98	0.58	2.33	17.90	1884
ML_14big - 056	3.88	42.60	4.52	26.12	18.09	6.63	35.71	11.98	146.24	51.01	245.32	50.73	468.51	87.76	0.80	2.13	19.77	1898
ML_14big - 057	0.13	17.63	0.11	1.20	1.76	0.37	9.71	3.07	37.42	14.07	66.44	13.75	126.11	25.33	0.28	32.35	20.98	2417
ML_14big - 060	0.23	16.05	0.47	4.62	6.49	1.63	28.24	8.93	104.38	36.72	171.08	34.15	306.86	59.87	0.37	8.67	17.05	1868
ML_14big - 061	0.01	24.05	0.05	1.08	2.65	0.13	16.91	5.96	76.14	30.31	146.99	31.36	284.04	54.64	0.06	141.48	25.99	1808
ML_14big - 062	0.00	13.51	0.02	0.20	0.41	0.17	3.12	1.08	14.69	6.01	34.26	8.33	85.73	17.45	0.45	235.80	44.92	1604
ML_14big - 063	0.01	7.81	0.11	1.92	4.17	0.44	23.84	6.96	79.50	28.43	129.29	24.69	207.45	39.22	0.13	19.92	13.23	2418
ML_14big - 064	2.67	57.14	4.17	26.33	24.78	8.60	62.02	17.75	207.63	67.39	320.18	63.32	572.91	108.01	0.67	3.30	14.01	1886
ML_14big - 065	0.00	7.53	0.02	0.34	0.68	0.34	2.57	0.67	5.82	1.71	6.53	1.08	9.31	1.77	0.79	106.06	5.52	1744
ML_14big - 066	0.01	8.05	0.06	0.98	3.29	0.33	20.54	8.06	110.85	44.47	228.04	47.53	439.40	87.69	0.12	38.50	34.34	1841
ML_14big - 067	0.00	3.03	0.03	0.48	1.84	1.16	6.99	0.96	4.33	0.57	1.31	0.17	1.23	0.18	0.99	33.01	0.21	1736
ML_14big - 068	9.76	105.67	26.38	267.33	535.16	256.04	2347.4	522.70	4004.2	876.56	2716.8	394.30	2735.2	403.85	0.70	1.06	1.38	1844
ML_14big - 069	0.01	5.86	0.03	0.32	0.96	0.13	5.84	2.15	32.27	11.97	60.46	13.40	124.12	25.32	0.17	50.04	34.89	1851
ML_14big - 070	0.01	10.92	0.08	1.63	3.16	0.28	17.71	5.79	72.87	26.70	128.30	25.27	219.54	42.45	0.11	38.62	19.28	1839
ML_14big - 071	0.04	3.67	0.05	0.59	0.92	0.28	7.25	4.09	72.70	36.92	243.12	66.02	714.84	151.49	0.34	15.56	168.16	1590
ML_14big - 072	0.11	9.14	0.04	0.89	1.69	0.30	11.89	3.82	48.88	18.88	87.71	17.27	160.10	31.06	0.21	32.07	21.01	1775
ML_14big - 073	0.02	11.58	0.17	2.96	6.08	0.50	37.01	12.01	146.88	52.99	245.33	46.11	394.53	71.65	0.10	19.86	15.57	1814
ML_14big - 074	0.04	11.88	0.09	1.14	2.30	0.42	13.09	4.32	52.50	20.72	101.76	20.82	191.57	38.50	0.23	33.20	23.66	2315
ML_14big - 075	0.35	8.93	0.39	3.29	4.48	1.05	24.56	8.59	122.54	49.07	256.33	57.05	554.41	111.52	0.31	5.12	36.52	1781
ML_14big - 076	0.02	61.66	0.19	2.58	4.79	0.90	24.49	7.83	91.41	32.26	148.46	27.89	242.43	47.56	0.25	95.51	15.62	1563

ML_14big - 077	0.00	21.91	0.05	0.82	2.23	0.16	13.03	4.88	65.70	25.10	127.02	26.66	250.14	48.20	0.09	138.29	29.75	1787
ML_14big - 078	0.01	12.59	0.08	1.69	2.56	0.14	17.68	6.42	85.48	33.12	164.09	34.29	304.50	58.87	0.07	48.94	26.78	2808
ML_14big - 079	0.01	12.65	0.05	1.00	2.09	0.13	10.32	3.67	49.94	18.98	93.03	19.11	175.79	35.35	0.09	73.74	27.54	1787
ML_14big - 080	0.07	21.92	0.42	5.65	7.82	1.52	33.63	8.95	100.88	33.90	152.93	30.18	265.31	51.65	0.29	14.79	12.35	2509
ML_14big - 081	0.29	25.26	0.42	2.92	4.53	1.13	18.78	6.69	80.50	28.63	139.21	27.64	256.12	50.61	0.37	14.23	21.68	1826
ML_14small - 001	0.01	2.74	0.02	0.67	1.95	0.19	15.68	6.98	96.15	40.06	195.61	40.13	378.54	72.82	0.11	32.88	37.36	1903
ML_14small - 002	0.00	4.29	0.02	0.35	0.87	0.10	8.32	3.04	45.14	18.74	96.54	19.88	187.09	38.30	0.12	50.48	37.03	1755
ML_14small - 003	0.02	4.39	0.02	0.34	0.95	0.04	7.81	2.72	35.96	14.20	75.27	15.39	151.17	32.60	0.05	50.49	33.58	1861
ML_14small - 004	0.31	17.95	0.17	1.81	2.98	0.91	11.29	3.33	35.46	13.16	60.13	12.91	124.08	28.72	0.48	18.48	20.47	1819
ML_14small - 005	0.01	10.64	0.03	0.51	1.74	0.16	9.82	3.06	41.52	17.09	77.91	16.37	148.25	28.91	0.12	101.53	23.69	1850
ML_14small - 006	0.04	2.36	0.11	1.16	2.83	0.29	15.40	5.50	67.89	24.99	119.98	22.59	201.31	39.81	0.13	5.77	20.80	1868
ML_14small - 007	0.01	1.57	0.01	0.19	0.69	0.07	11.83	7.25	120.69	46.65	212.86	37.57	283.54	51.06	0.08	37.71	34.71	1840
ML_14small - 008	3.34	14.59	1.22	6.34	3.46	0.28	16.33	4.85	64.67	21.87	101.36	20.76	180.23	34.70	0.11	1.74	17.09	1799
ML_14small - 009	0.01	6.58	0.02	0.33	0.68	0.20	9.35	3.73	48.59	20.00	101.78	21.57	202.53	40.61	0.24	89.11	34.94	3016
ML_14small - 010	0.02	13.34	0.19	3.59	6.42	0.99	33.13	9.71	117.45	40.65	186.16	36.16	314.84	62.45	0.21	20.29	15.16	1770
ML_14small - 011	0.01	3.64	0.01	0.04	0.21	0.09	1.07	0.74	9.73	4.22	26.28	7.23	87.33	23.94	0.56	82.83	179.26	2605
ML_14small - 012	0.11	6.72	0.07	0.81	1.65	0.25	10.28	4.00	52.96	19.65	97.90	19.34	184.33	36.14	0.19	17.96	28.27	1877
ML_14small - 014	0.69	9.67	1.07	7.98	10.71	2.34	47.32	19.72	251.19	102.24	499.88	103.03	918.18	176.92	0.32	2.19	30.07	1822
ML_14small - 015	0.00	0.53	0.00	0.01	0.09	0.01	0.56	0.21	5.45	2.88	18.20	5.49	71.14	21.67	0.08	40.67	309.70	1570
ML_14small - 016	0.03	10.65	0.08	1.86	3.50	0.28	17.74	5.53	73.30	27.01	128.23	24.36	222.60	42.54	0.11	34.33	19.28	1800
ML_14small - 018	0.01	1.60	0.03	0.42	1.96	0.08	18.60	9.22	138.45	60.53	319.82	69.97	638.46	127.89	0.04	16.98	55.29	1757
ML_14small - 019	1.26	10.49	1.19	8.16	7.33	2.01	22.79	6.99	75.74	28.65	133.39	26.95	259.14	53.24	0.47	1.88	18.79	1798
ML_14small - 020	0.44	38.45	0.99	13.66	18.73	3.03	71.58	17.53	182.83	62.27	254.47	45.92	371.03	67.66	0.25	9.98	7.60	2020
ML_14small - 021	1.79	14.09	1.69	9.23	7.07	2.27	15.04	4.84	48.67	16.92	81.74	17.59	170.58	34.44	0.67	1.78	18.42	2621
ML_14small - 022	0.28	9.44	0.19	2.25	4.14	0.61	20.18	6.02	74.52	25.51	120.11	23.33	203.88	38.75	0.20	9.54	15.45	2263
ML_14small - 023	0.13	7.81	0.16	0.83	0.96	0.39	4.15	2.30	39.76	20.26	154.19	47.83	647.56	157.19	0.60	11.19	304.60	1891
ML_14small - 025	0.98	22.41	1.12	7.85	9.26	2.99	33.87	9.83	113.06	40.61	186.10	36.62	322.83	63.11	0.52	4.50	14.99	1637
ML_14small - 026	0.11	23.59	0.37	5.97	8.70	1.99	37.75	10.62	123.57	44.87	210.54	43.53	404.34	82.43	0.34	17.40	17.56	1903
ML_14small - 029	0.00	7.68	0.08	1.68	3.36	1.19	19.23	5.95	73.60	26.34	127.71	27.33	240.39	52.07	0.45	28.80	21.78	1757
ML_14small - 030	0.05	16.35	0.11	1.37	3.20	0.24	10.95	3.35	42.26	16.68	79.34	16.04	155.85	31.33	0.12	38.59	23.00	1852
ML_14small - 032	1.81	33.31	2.96	24.49	37.35	19.08	148.45	39.64	343.29	90.54	321.67	53.26	404.90	71.02	0.78	2.74	3.85	1938
ML_14small - 033	1.13	28.23	2.09	14.84	10.10	3.74	17.17	4.48	43.46	12.21	52.94	11.17	103.39	21.84	0.87	3.37	10.23	2723
ML_14small - 034	0.39	13.13	0.62	3.96	5.21	1.28	20.40	6.13	73.18	26.42	121.37	23.72	210.74	40.26	0.38	5.12	15.88	2484
ML_14small - 035	0.00	12.35	0.04	0.98	2.08	0.16	10.99	4.12	54.90	20.81	102.31	20.81	190.90	36.33	0.10	87.41	26.58	1911
ML_14small - 036	0.78	12.39	0.82	3.49	2.72	1.45	8.76	3.15	32.67	12.46	66.39	14.90	143.81	28.51	0.91	3.32	26.17	1795
ML_14small - 037	4.43	33.13	4.28	27.01	22.13	7.55	57.96	16.64	187.07	61.84	277.05	53.70	500.11	92.80	0.64	1.66	12.88	1683
ML_14small - 038	0.36	18.16	0.38	4.51	8.42	0.71	40.15	12.11	142.23	51.50	225.88	42.67	378.87	69.28	0.12	10.50	13.88	1818
ML_14small - 039	3.76	44.22	4.97	29.71	22.00	9.06	36.66	8.43	62.95	18.73	74.71	17.43	173.53	42.47	0.98	2.07	9.32	2310
ML_14small - 040	0.68	26.14	0.97	7.61	9.77	1.97	35.47	11.53	141.26	50.26	227.24	45.85	387.47	76.06	0.32	6.37	17.25	2588
ML_14small - 041	1.45	42.77	2.00	12.58	12.11	4.81	24.20	7.89	71.84	23.42	106.93	22.65	218.18	43.29	0.86	5.02	14.39	1839
ML_14small - 042	0.01	12.25	0.06	0.95	1.41	0.25	7.55	2.68	30.18	11.19	50.54	10.80	93.93	19.99	0.24	58.74	21.30	1747

ML_14small - 043	0.26	15.46	0.43	2.86	6.12	2.97	30.44	9.52	100.28	31.85	135.23	25.70	218.64	43.12	0.67	8.82	11.39	1789
ML_14small - 044	0.01	10.89	0.03	0.79	1.41	0.41	6.38	2.21	29.35	11.49	61.49	14.08	139.92	32.11	0.42	106.70	40.49	1860
ML_14small - 045	0.74	39.05	0.97	10.40	11.97	3.48	42.36	12.26	135.89	47.20	219.56	45.30	413.88	82.82	0.47	9.37	15.73	1660
ML_14small - 046	1.07	61.29	1.48	9.88	12.73	4.86	36.76	9.40	94.64	31.13	138.51	28.58	252.18	50.24	0.69	9.75	10.99	1803
ML_14small - 048	0.17	15.69	0.99	14.50	23.51	4.99	89.14	22.70	230.83	71.85	293.45	51.47	417.82	74.19	0.33	4.49	6.69	3022
ML_14small - 050	0.06	54.29	0.13	2.61	6.13	0.62	32.34	10.61	132.28	51.27	241.86	48.02	431.76	85.38	0.13	108.81	21.24	3079
ML_14small - 052	0.14	13.11	0.11	1.52	2.86	0.38	15.70	5.62	70.68	28.44	139.49	28.38	253.76	49.27	0.17	23.86	25.25	1762
ML_14small - 054	0.09	25.09	0.28	3.60	6.17	0.53	29.90	9.58	115.95	43.87	204.33	42.24	365.69	71.05	0.12	23.77	19.11	1813
ML_14small - 055	0.07	11.40	0.11	1.24	2.27	0.35	14.46	5.27	65.96	25.70	129.68	26.58	237.53	47.38	0.19	24.91	26.36	3013
ML_14small - 056	0.01	6.61	0.14	2.65	4.81	0.26	25.43	8.05	92.32	33.69	157.05	30.11	271.52	53.57	0.07	13.77	16.94	1845
ML_14small - 057	0.05	38.03	0.25	2.09	2.80	2.49	13.11	5.75	83.21	35.96	212.95	52.98	563.56	122.63	1.26	43.20	75.26	1960
ML_14small - 058	0.08	16.83	0.33	5.47	9.05	2.07	46.09	13.66	160.40	60.34	286.60	56.29	512.28	102.91	0.31	13.86	17.96	2799
ML_14small - 059	0.04	4.36	0.08	1.37	2.81	1.13	20.19	6.75	94.59	36.71	169.84	32.65	294.07	58.97	0.46	14.19	23.49	1918
ML_14small - 060	0.01	6.97	0.08	1.33	3.07	0.75	18.54	5.95	70.73	26.96	126.33	24.92	223.21	43.34	0.30	25.59	18.81	1762
ML_14small - 061	0.01	11.51	0.25	3.44	7.72	0.91	46.37	12.98	161.88	53.76	246.42	46.55	384.69	74.39	0.15	13.68	12.90	1788
ML_14small - 062	0.01	5.55	0.06	1.38	3.33	0.12	20.12	6.78	88.64	34.98	166.50	33.48	298.79	60.38	0.05	25.20	24.14	1806
ML_14small - 063	0.01	15.98	0.16	2.69	4.84	1.12	21.19	6.37	72.95	28.35	139.29	30.90	306.91	64.13	0.34	29.62	24.34	1849
ML_14small - 064	0.03	9.15	0.13	2.57	4.59	0.59	29.29	9.55	112.87	42.99	201.09	39.18	348.45	68.41	0.15	19.78	18.79	1536
ML_14small - 065	1.95	29.26	2.71	17.14	17.13	7.25	37.05	9.09	85.74	23.93	98.90	19.74	176.43	35.34	0.88	2.54	7.67	2302
ML_14small - 066	0.01	2.29	0.04	0.65	2.31	0.13	14.03	5.06	69.97	28.65	137.75	28.50	254.62	53.59	0.07	16.72	30.72	3297
ML_14small - 068	0.01	3.20	0.04	0.94	2.91	0.33	23.11	10.61	160.72	65.90	337.66	73.80	689.56	137.66	0.12	21.36	47.91	1762
ML_14small - 069	2.32	26.73	3.69	25.35	24.22	7.08	52.87	10.91	78.73	16.97	54.15	9.31	83.11	15.91	0.61	1.75	2.42	1761
ML_14small - 070	0.01	10.25	0.13	1.93	3.67	0.67	17.12	4.79	58.54	21.71	100.76	19.84	189.37	39.94	0.26	22.29	18.76	1784
ML_14small - 070	0.10	12.75	0.49	6.14	8.49	0.41	38.72	11.59	134.88	48.36	217.12	40.92	364.27	68.94	0.07	7.35	14.32	1813
ML_15 - 002	0.43	12.58	0.61	6.19	8.99	1.96	39.53	12.57	155.79	54.22	247.18	48.76	427.02	80.71	0.32	4.89	16.42	1858
ML_15 - 003	0.02	7.58	0.20	2.85	4.47	0.69	24.31	7.37	90.26	33.15	153.08	30.54	274.35	51.01	0.20	11.18	16.88	1754
ML_15 - 004	0.04	7.70	0.15	2.40	5.76	0.80	32.62	10.09	121.01	44.20	201.43	38.23	326.80	61.71	0.18	14.03	15.22	1862
ML_15 - 006	0.00	2.23	0.04	0.78	2.46	0.21	17.21	5.57	71.47	27.26	130.72	25.48	225.40	45.10	0.10	15.08	21.08	1871
ML_15 - 007	0.01	10.60	0.04	0.80	1.60	0.08	11.06	3.87	49.83	18.73	93.41	19.16	174.69	33.74	0.06	79.55	24.53	1842
ML_15 - 008	1.14	41.14	1.12	8.96	10.54	1.48	51.99	17.39	212.99	78.31	367.73	70.57	618.25	113.90	0.19	7.91	17.62	1780
ML_15 - 009	1.57	11.22	0.74	6.56	7.75	0.59	33.73	9.68	112.55	39.48	177.64	33.47	288.58	55.05	0.11	2.49	13.13	1919
ML_15 - 010	1.09	26.09	1.91	13.03	10.50	3.42	27.66	7.76	86.05	29.50	137.30	27.61	240.29	45.21	0.61	3.37	13.15	1809
ML_15 - 012	0.96	21.47	1.57	11.15	9.86	3.08	25.91	7.57	82.19	26.99	123.38	24.84	215.90	41.02	0.59	3.33	12.73	1879
ML_15 - 013	0.02	8.06	0.05	0.88	1.89	0.42	10.67	3.99	49.16	19.71	95.22	19.88	180.22	36.01	0.28	40.63	27.14	1727
ML_15 - 014	0.19	24.63	0.41	3.38	3.85	1.40	15.60	4.95	58.82	23.50	121.38	27.54	282.39	62.32	0.55	15.44	32.13	2543
ML_15 - 015	0.02	7.02	0.08	0.83	1.63	0.34	9.14	3.18	42.80	16.38	79.71	16.64	157.25	31.47	0.27	25.13	27.70	1764
ML_15 - 016	0.01	15.68	0.18	2.67	5.45	0.23	28.32	8.78	112.78	39.74	186.14	36.48	313.05	58.57	0.06	24.90	16.64	1858
ML_15 - 017	1.30	28.51	2.01	13.97	14.04	4.68	36.16	10.12	91.33	28.44	125.76	24.57	220.78	42.17	0.64	3.42	9.38	1607
ML_15 - 018	4.70	62.43	7.38	45.86	36.31	12.89	52.89	13.29	114.94	31.79	139.79	29.70	272.76	50.64	0.90	2.04	7.70	1784
ML_15 - 019	0.83	21.82	0.93	5.98	5.83	1.83	12.16	3.99	44.26	14.30	72.67	15.35	143.07	27.60	0.67	5.26	18.25	1733
ML_15 - 021	0.69	21.54	0.94	6.23	7.47	2.25	21.18	6.48	73.34	25.32	120.23	24.08	221.62	41.44	0.55	5.37	15.74	1829

ML_15 - 022	0.00	11.76	0.03	0.43	1.23	0.06	7.06	2.66	36.91	14.73	75.98	16.64	155.86	30.66	0.06	127.49	34.92	1867
ML_15 - 023	0.01	11.72	0.12	2.17	4.15	0.21	23.22	7.26	88.44	31.84	149.36	28.76	250.13	47.97	0.07	28.25	16.62	1844
ML_15 - 025	0.01	9.90	0.23	3.56	7.52	0.31	41.71	14.41	179.95	64.23	298.13	57.36	497.45	92.73	0.05	12.97	17.88	1824
ML_15 - 026	0.01	9.36	0.12	2.26	5.43	0.74	30.67	10.05	123.07	45.45	214.88	42.40	370.78	72.54	0.17	23.82	19.02	1853
ML_15 - 028	1.08	20.00	1.92	12.78	9.12	3.35	23.84	6.14	65.42	21.87	102.12	22.00	207.19	42.84	0.70	2.57	14.46	2148
ML_15 - 029	0.00	7.42	0.02	0.44	0.93	0.09	5.80	2.18	27.64	11.26	57.45	12.41	116.74	23.80	0.12	104.66	32.98	1841
ML_15 - 030	0.04	9.40	0.36	6.07	8.58	1.28	36.52	10.71	118.90	40.47	179.01	32.95	287.50	52.60	0.22	7.60	11.58	1835
ML_15 - 031	0.07	9.05	0.19	2.52	3.45	0.46	17.70	5.32	61.26	22.16	103.16	19.91	173.18	34.37	0.18	12.93	15.62	1832
ML_15 - 032	0.12	11.07	0.26	2.93	5.10	0.40	23.96	7.82	92.38	32.50	148.62	29.05	248.83	46.47	0.11	11.01	15.60	1847
ML_15 - 033	0.49	19.74	0.72	5.49	6.47	1.43	25.64	8.20	101.83	36.70	176.74	34.23	307.98	58.75	0.34	6.51	18.43	1837
ML_15 - 034	0.01	10.86	0.04	0.48	1.30	0.09	7.71	2.74	37.96	15.20	76.20	16.50	156.24	30.39	0.09	83.35	31.71	1836
ML_15 - 035	0.00	4.50	0.05	0.96	2.22	0.27	16.21	5.63	72.03	27.84	135.01	27.15	251.97	49.46	0.14	27.10	24.54	1866
ML_15 - 036	0.36	8.57	0.47	3.81	4.51	0.95	21.46	6.56	72.61	26.15	117.70	22.61	191.61	35.98	0.30	4.24	13.49	1829
ML_15 - 037	0.22	7.72	0.39	4.69	7.92	1.61	36.66	10.88	125.07	43.31	193.90	36.60	315.32	59.66	0.29	4.86	13.09	1841
ML_15 - 038	0.00	10.88	0.04	0.94	2.10	0.17	11.76	4.23	53.37	20.91	101.97	21.27	193.21	37.61	0.10	85.47	25.74	1806
ML_15 - 039	1.83	29.57	2.71	18.07	13.96	4.43	36.51	10.22	110.05	37.45	170.42	32.78	296.85	55.17	0.60	2.61	12.16	1844
ML_15 - 040	143.44	359.41	46.55	207.66	46.79	1.48	64.40	13.55	138.84	42.36	185.41	34.96	301.08	57.12	0.08	1.05	7.13	2796
ML_15 - 041	0.02	7.02	0.22	3.48	6.33	0.79	31.82	10.06	115.05	40.87	186.31	35.09	297.67	55.41	0.17	9.42	14.01	1776
ML_15 - 042	0.00	15.64	0.05	0.78	2.13	0.40	10.28	3.40	43.54	17.80	94.92	21.88	219.08	48.63	0.26	93.70	38.04	2579
ML_15 - 044	0.27	11.96	0.18	1.89	3.40	0.32	19.27	6.64	79.77	29.34	135.30	26.72	233.42	44.03	0.12	12.76	18.37	1841
ML_15 - 045	0.01	3.71	0.04	0.95	3.45	0.12	19.74	6.98	89.48	33.16	156.65	27.76	208.90	31.68	0.05	28.41	12.91	2429
ML_15 - 046	0.10	11.15	0.31	4.06	7.14	0.94	38.54	12.19	146.76	53.09	243.45	46.12	392.94	74.36	0.17	9.77	15.52	1779
ML_15 - 047	0.01	1.57	0.03	0.29	1.29	0.25	12.04	6.89	122.31	55.36	331.17	80.48	810.71	157.68	0.19	14.37	105.31	1837
ML_15 - 048	0.01	8.54	0.04	0.66	1.71	0.05	9.85	3.51	43.25	16.54	78.73	16.18	140.09	27.15	0.03	61.72	22.18	1780
ML_15 - 049	0.01	7.14	0.08	1.58	3.61	0.24	19.30	6.09	74.93	27.26	125.76	24.29	209.83	40.24	0.09	25.66	16.77	1848
ML_15 - 050	0.18	9.79	0.33	4.27	8.30	1.18	44.16	13.88	170.08	62.84	286.64	53.45	463.67	86.15	0.19	7.33	15.69	1839
ML_15 - 051	0.18	13.33	0.27	1.97	3.52	0.62	14.83	5.00	64.40	24.47	119.80	24.91	227.77	43.31	0.26	11.69	23.49	1833
ML_15 - 052	0.00	13.62	0.05	0.88	2.46	0.10	16.40	5.85	74.34	28.46	139.05	28.73	247.85	45.58	0.05	79.63	22.36	2173
ML_15 - 053	0.01	4.43	0.06	1.16	3.07	0.09	18.40	6.36	83.04	30.43	147.32	29.72	266.81	51.52	0.04	21.33	22.52	1872
ML_15 - 054	0.02	8.68	0.25	4.42	7.12	0.65	31.89	9.37	106.69	37.01	162.43	29.97	259.04	47.42	0.13	10.20	11.96	1836
ML_15 - 056	0.05	7.41	0.05	0.80	1.57	0.17	9.48	3.18	41.35	16.04	77.77	16.07	146.07	29.20	0.14	33.77	24.77	1911
ML_15 - 057	0.35	23.17	0.59	7.50	10.50	2.35	39.79	10.78	113.80	38.46	164.91	30.10	255.39	48.05	0.35	9.59	9.71	1675
ML_15 - 058	0.02	9.32	0.10	2.34	5.48	0.73	31.33	10.00	122.26	44.44	203.00	39.32	340.47	64.96	0.17	25.03	16.67	1813
ML_15 - 059	0.00	9.73	0.04	0.93	2.19	0.08	13.03	5.01	66.90	26.70	131.66	27.75	255.87	50.07	0.04	66.56	30.90	1851
ML_15 - 060	1.35	28.38	2.21	16.09	16.39	4.23	57.79	17.82	204.00	71.72	330.71	63.92	567.43	104.96	0.42	3.13	14.61	1865
ML_15 - 061	0.42	12.62	1.05	10.09	10.15	3.82	22.85	5.51	56.76	18.91	88.64	18.14	158.94	29.29	0.77	3.13	10.31	2635
ML_15 - 063	1.78	22.92	1.01	6.20	6.01	1.15	23.32	7.25	88.81	32.01	152.47	30.64	275.12	50.66	0.30	4.04	17.47	1848
ML_15 - 064	0.01	3.77	0.03	0.26	1.35	0.20	12.70	6.53	93.26	38.03	196.54	42.58	413.14	87.65	0.15	34.40	55.50	1845
ML_15 - 065	0.11	13.67	0.35	5.39	9.14	0.57	43.05	13.38	154.58	54.20	236.87	43.31	355.70	62.73	0.09	10.62	11.72	1863
ML_15 - 066	0.15	18.50	0.48	5.89	8.48	3.18	35.67	9.37	102.23	33.07	146.95	28.68	259.14	49.79	0.56	10.31	11.23	2256
ML_15 - 067	0.00	9.22	0.05	0.80	1.92	0.22	12.53	4.23	56.79	20.41	99.32	20.79	185.87	36.67	0.14	53.31	23.55	1817

ML_15 - 069	0.00	12.37	0.05	1.01	2.03	0.16	12.71	4.48	55.51	20.36	98.25	19.42	177.15	34.43	0.10	74.70	21.80	1837
ML_15 - 070	0.04	10.07	0.10	1.48	2.85	0.80	13.54	4.75	58.66	21.96	108.14	22.06	206.64	40.16	0.39	26.35	23.85	1737
ML_15 - 071	0.12	9.22	0.18	1.52	3.09	0.58	22.23	9.99	153.94	66.18	356.70	77.19	726.90	143.23	0.21	12.25	51.84	1839
ML_15 - 072	0.00	14.15	0.05	0.98	2.37	0.09	12.30	4.58	61.41	23.66	122.65	25.72	237.97	46.35	0.05	79.59	30.32	2801
ML_15 - 073	0.01	10.32	0.18	3.49	5.89	0.40	31.96	9.68	110.59	38.31	174.94	33.24	280.97	52.40	0.09	17.23	13.19	1853
ML_15 - 074	0.01	8.59	0.09	1.47	3.17	0.64	17.02	5.96	75.24	27.28	130.56	26.12	234.02	46.33	0.26	28.90	21.89	1755
ML_15 - 075	1.53	34.02	2.99	20.23	18.10	5.08	53.81	14.47	156.20	53.01	236.80	45.33	388.27	71.65	0.50	2.86	10.71	1803
ML_15 - 076	0.00	1.24	0.01	0.12	0.37	0.08	1.69	0.64	9.12	3.91	24.03	6.83	85.87	25.16	0.30	60.13	120.00	1795
ML_15 - 077	0.07	8.70	0.12	1.39	2.70	0.32	14.27	4.67	54.79	20.34	98.05	19.84	177.87	34.80	0.16	18.29	19.62	1846
ML_15 - 078	0.06	17.74	0.55	8.08	12.20	0.94	54.32	15.33	170.10	56.98	251.15	46.82	380.17	68.13	0.11	9.40	10.09	1808
ML_15 - 079	1.06	39.71	1.72	15.15	17.82	4.81	57.60	15.09	149.14	46.30	200.14	37.82	324.08	60.20	0.46	5.61	8.41	2383
ML_15 - 080	6.75	26.51	2.23	11.94	7.57	2.45	21.21	5.65	63.15	20.90	101.19	20.20	183.62	37.64	0.59	1.64	14.27	1882
ML_15 - 081	0.06	5.87	0.35	5.06	7.52	1.20	32.53	9.79	112.55	38.12	171.81	31.93	276.14	51.42	0.24	4.74	12.71	1797
ML_15 - 082	0.47	10.43	0.66	5.08	7.80	1.64	38.41	14.10	194.71	76.60	385.09	80.82	743.38	144.94	0.29	3.74	30.35	1864
ML_15 - 083	0.01	12.71	0.09	1.20	2.03	0.15	12.86	4.54	59.02	22.91	114.60	24.24	224.32	43.89	0.09	43.02	27.45	2818
ML_15 - 085	1.11	21.03	1.82	11.32	7.21	2.28	19.25	5.36	61.79	22.04	103.53	20.97	184.42	34.90	0.59	2.81	14.58	1841
ML_15 - 087	1.23	24.37	1.73	11.56	11.83	3.55	33.06	10.44	116.77	41.28	187.22	37.37	334.91	61.50	0.55	3.32	14.96	1833
ML_15 - 088	21.57	51.96	4.83	13.88	5.47	1.35	22.37	6.74	83.65	31.38	151.01	31.49	280.42	55.37	0.37	1.18	19.91	2011
ML_15 - 089	2.88	44.74	4.32	26.86	20.28	7.91	41.06	10.90	108.90	36.50	184.71	41.70	415.10	86.65	0.84	2.48	16.97	1906
ML_15 - 090	0.00	11.63	0.09	1.50	3.40	0.49	19.96	6.25	73.98	27.88	127.49	24.56	216.89	41.03	0.18	36.79	16.53	1864
ML_15 - 091	0.03	9.03	0.21	2.85	4.43	0.44	21.48	6.97	80.81	29.73	139.96	26.85	233.05	44.65	0.14	11.99	16.72	1842
ML_15 - 092	0.00	9.20	0.02	0.36	0.85	0.03	5.57	2.08	27.69	11.28	59.42	12.96	124.25	24.91	0.04	143.71	35.99	1861
ML_15 - 093	0.05	11.43	0.45	6.84	9.91	1.90	47.45	14.08	159.31	54.90	246.98	47.41	405.13	74.64	0.27	7.28	12.65	1729
ML_15 - 094	0.04	6.44	0.05	1.14	1.79	0.45	14.14	4.70	60.36	23.07	109.47	22.07	202.22	39.46	0.28	28.34	22.45	1709
ML_15 - 095	0.05	5.08	0.21	2.66	5.88	1.44	45.45	18.21	267.31	103.17	460.29	83.68	686.80	116.64	0.27	6.80	20.64	1842
ML_15 - 096	0.03	8.43	0.06	0.86	1.66	0.17	9.19	3.09	37.88	14.42	72.56	15.53	145.25	31.05	0.13	37.89	27.17	1769
ML_15 - 097	0.10	11.52	0.19	1.56	2.78	0.49	11.62	3.91	51.17	19.57	94.86	20.67	185.75	37.04	0.27	14.85	25.64	1855
ML_15 - 098	0.01	12.01	0.15	2.36	3.49	0.59	16.99	5.29	63.82	22.87	109.32	21.97	198.84	35.28	0.23	23.44	16.70	1778
ML_15 - 099	0.35	11.89	0.52	4.27	6.34	1.47	25.68	9.63	123.62	49.41	246.45	51.90	483.46	95.66	0.35	5.44	29.96	1857
ML_15 - 100	1.22	27.56	1.89	15.16	13.55	3.20	43.24	13.39	153.47	53.73	242.31	47.26	410.77	78.07	0.40	3.50	14.52	1869
ML_15 - 101	0.00	11.59	0.03	0.67	1.92	0.17	11.70	3.87	52.68	20.47	102.19	21.22	198.77	39.67	0.11	99.78	27.27	1834
ML_15 - 102	0.31	13.45	0.54	4.30	5.32	1.39	16.32	5.25	61.40	23.26	115.96	25.49	245.41	51.06	0.46	6.17	25.16	1851
ML_15 - 103	0.01	9.72	0.09	1.53	2.76	0.19	14.07	4.52	55.90	20.72	98.79	20.19	179.01	34.70	0.09	30.11	19.84	1849
ML_15 - 104	4.49	60.66	6.85	43.32	30.00	10.98	41.56	8.78	73.59	20.83	101.59	24.19	250.19	53.62	0.95	2.12	10.38	1752
ML_15 - 105	0.00	6.69	0.04	0.56	1.50	0.11	8.82	2.97	38.76	14.42	70.75	14.32	130.86	25.58	0.09	46.16	23.32	1828
ML_15 - 106	0.01	2.78	0.03	0.80	2.11	0.17	15.24	5.15	70.39	26.73	130.99	26.68	244.21	47.97	0.09	22.17	25.32	2489
ML_15 - 107	0.01	8.65	0.06	0.96	1.75	0.14	9.58	3.56	43.14	16.92	81.59	16.98	152.02	29.45	0.10	45.13	24.72	1866
ML_15 - 109	0.25	10.82	0.30	2.05	3.05	0.59	14.25	4.39	53.13	20.11	93.81	19.09	165.50	32.85	0.27	8.17	18.54	1844
ML_15 - 110	0.00	8.85	0.04	0.63	1.55	0.14	9.78	3.38	43.90	17.38	85.21	17.75	161.39	32.03	0.11	58.84	26.35	1846
ML_15 - 111	0.03	7.00	0.06	1.18	3.56	0.33	27.79	11.16	159.77	65.28	328.93	68.66	624.80	122.24	0.10	30.48	35.38	1869
ML_15 - 112	3.07	55.60	4.83	32.71	28.86	9.86	66.05	17.93	190.04	58.65	261.66	51.61	468.70	87.26	0.69	2.78	10.63	1797

ML_15 - 113	0.15	9.80	0.15	1.03	1.13	0.17	7.09	2.34	32.49	12.14	63.14	13.17	121.28	24.86	0.18	14.21	28.20	1780
ML_15 - 114	0.00	4.94	0.04	0.77	1.34	0.32	8.59	2.86	35.94	12.89	65.18	14.66	144.04	30.66	0.29	40.35	28.71	2430
ML_15 - 115	0.07	7.35	0.06	0.96	1.62	0.16	9.73	3.23	42.48	15.05	73.55	15.13	138.49	27.12	0.12	25.39	22.41	1811
ML_15 - 116	2.67	38.86	4.05	25.35	16.51	5.94	26.78	6.60	61.46	19.78	100.56	22.21	227.88	49.24	0.86	2.30	14.79	1596
ML_15 - 117	0.00	6.09	0.06	1.03	2.16	0.39	12.57	4.31	54.28	20.53	102.49	20.52	185.77	36.52	0.23	31.12	23.36	1751
ML_15 - 118	0.00	9.98	0.06	1.22	2.55	0.22	15.15	4.97	65.97	23.63	112.97	22.69	201.75	39.63	0.11	52.82	21.05	1822
ML_15 - 120	0.01	5.13	0.19	3.09	6.04	0.84	27.23	8.13	88.44	30.25	133.62	25.45	213.14	39.78	0.20	8.23	11.75	1877
ML_15 - 121	2.01	30.12	3.52	24.21	19.57	7.14	41.39	10.47	103.98	31.32	141.63	28.32	259.95	52.33	0.77	2.11	10.17	1693
ML_15 - 122	14.44	51.98	5.58	24.89	6.79	0.30	14.02	3.87	46.54	17.52	85.80	17.59	158.46	32.08	0.10	1.39	18.41	1864
ML_15 - 123	1.01	17.19	1.39	8.37	7.89	2.83	19.94	6.26	72.61	26.88	134.83	27.51	258.02	50.23	0.69	2.91	20.26	1853
ML_15 - 125	0.74	9.05	0.91	6.90	6.89	1.61	23.58	6.58	76.46	26.80	120.00	23.65	208.96	40.56	0.39	2.28	13.84	1850
ML_15 - 126	0.01	7.34	0.06	1.01	1.98	0.32	11.14	3.81	47.76	16.91	84.33	16.46	145.53	28.63	0.21	36.61	20.68	1770
ML_15 - 127	0.21	4.10	0.36	3.31	3.93	0.72	13.33	3.40	33.54	9.78	40.39	7.45	69.03	12.95	0.30	2.81	7.82	1898
ML_15 - 128	0.10	6.64	0.65	8.32	10.85	1.87	47.51	13.73	150.50	50.83	223.65	40.55	343.83	64.92	0.25	2.93	10.99	1791
ML_15 - 129	0.00	6.19	0.01	0.28	0.81	0.14	5.70	3.03	50.10	21.15	121.25	29.13	277.63	55.80	0.20	158.44	78.76	1841
ML_15 - 130	0.00	0.59	0.00	0.01	0.04	0.00	0.12	0.02	1.27	0.78	4.74	1.51	18.54	5.93	0.17	99.79	386.83	1876
ML_15 - 131	1.05	11.40	1.59	9.71	7.46	3.36	18.92	6.28	92.32	39.23	231.28	62.01	693.08	146.82	0.86	1.72	62.43	1827
ML_15 - 132	0.28	62.46	0.72	9.63	13.29	3.32	44.07	10.58	109.10	34.98	151.34	29.08	250.48	47.16	0.42	22.83	8.61	2808
ML_15 - 133	1.74	23.30	2.98	20.39	15.44	5.87	45.02	13.02	148.69	51.24	246.92	49.00	439.08	82.78	0.68	1.92	14.79	1913
ML_15 - 136	0.66	13.71	1.43	9.73	6.92	2.61	18.75	5.27	61.01	22.39	103.63	21.43	195.30	38.66	0.70	2.45	16.58	1805
ML_15 - 137	0.03	4.25	0.12	1.56	4.09	0.18	23.37	7.89	103.29	38.72	179.31	35.11	306.71	58.89	0.06	9.67	20.27	1861
ML_15 - 138	1.27	24.57	1.64	11.71	11.63	3.80	34.45	9.79	105.62	35.65	164.98	33.03	301.54	58.49	0.58	3.46	13.66	1710
ML_15 - 139	0.00	4.41	0.04	0.70	1.62	0.12	8.30	2.79	34.11	12.55	62.61	12.26	110.67	21.28	0.10	31.85	20.63	1811
ML_15 - 140	0.02	7.64	0.23	3.33	5.63	0.67	26.44	8.14	97.32	34.29	156.71	30.19	262.91	48.55	0.17	9.59	14.77	1790
ML_15 - 142	0.26	13.00	0.32	2.41	2.61	0.83	11.07	3.51	45.42	17.15	85.58	18.13	166.25	32.01	0.47	9.23	23.26	1841
ML_15 - 143	0.00	14.91	0.04	0.77	2.31	0.24	15.21	5.73	76.78	30.59	152.70	31.46	289.61	57.15	0.12	116.34	30.22	1899
ML_15 - 144	0.00	5.87	0.03	0.66	1.93	0.33	12.90	4.43	57.35	22.79	114.94	24.57	234.14	47.48	0.20	50.75	29.61	1873
ML_15 - 145	0.01	0.60	0.02	0.28	1.04	0.04	7.93	3.20	43.73	16.23	79.97	16.22	141.38	26.00	0.04	10.33	26.38	2393
ML_15 - 146	0.06	18.74	0.08	0.75	0.58	0.47	2.41	0.65	7.99	3.02	18.33	4.99	64.84	20.66	1.22	55.70	68.95	2030
ML_15 - 148	0.00	10.17	0.05	0.71	1.54	0.10	9.81	3.52	45.90	17.86	91.08	19.66	180.08	35.24	0.08	59.78	28.88	1845
ML_15 - 149	0.07	14.21	0.19	1.61	2.11	0.60	9.34	2.68	33.68	12.72	63.52	13.93	140.94	30.42	0.41	19.58	26.20	1598
ML_15 - 150	0.01	13.26	0.07	1.27	2.50	0.19	14.86	4.89	61.70	23.66	112.55	22.78	203.75	39.58	0.09	52.10	21.42	1796
ML_15 - 151	0.01	7.55	0.05	1.03	2.04	0.11	12.42	4.15	49.45	19.45	91.03	18.16	158.53	31.50	0.07	45.57	20.40	1837
ML_15 - 153	0.01	9.15	0.10	1.92	4.08	0.25	20.39	6.65	81.35	28.87	131.34	26.19	226.51	42.13	0.08	25.98	16.62	1856
ML_15 - 154	0.01	1.19	0.12	1.23	3.58	0.16	22.79	7.11	72.19	20.74	72.15	12.19	92.67	15.32	0.05	2.88	5.41	2466
ML_15 - 155	0.02	1.75	0.05	0.48	1.38	0.15	14.65	7.25	91.66	25.45	82.56	11.42	72.82	10.48	0.10	9.42	5.75	1845
ML_16 - 001	0.00	5.85	0.03	0.70	1.53	0.13	9.44	3.50	45.21	17.71	85.02	16.81	154.60	30.00	0.11	58.50	25.55	1772
ML_16 - 002	0.01	6.33	0.04	0.63	1.05	0.15	7.13	2.64	33.73	12.73	62.52	13.08	117.15	23.17	0.17	45.35	26.14	1831
ML_16 - 003	0.00	3.81	0.04	0.77	2.47	0.17	16.97	6.45	85.65	33.23	164.15	33.26	296.44	59.24	0.08	25.52	28.08	1860
ML_16 - 005	1.67	38.51	2.02	14.75	20.72	13.70	94.43	19.94	166.18	46.49	191.66	37.14	320.40	60.85	0.95	4.34	5.18	1735
ML_16 - 006	0.01	12.62	0.10	1.97	3.93	0.21	21.80	6.75	83.79	30.04	139.78	27.71	247.22	47.31	0.07	38.35	17.46	1849

ML_16 - 007	0.00	34.07	0.08	1.34	2.35	0.57	12.36	4.05	49.87	19.13	95.34	20.21	184.50	36.67	0.32	126.72	23.87	1593
ML_16 - 008	0.79	20.89	0.97	6.86	7.88	3.47	28.45	8.73	95.75	32.02	148.78	30.19	274.65	52.43	0.71	4.92	14.82	1844
ML_16 - 010	0.59	22.73	0.77	7.92	10.85	3.46	53.70	15.12	171.12	58.46	268.33	51.94	449.45	84.81	0.44	6.83	12.70	1740
ML_16 - 013	0.70	33.89	1.15	8.71	15.70	10.56	72.31	14.69	115.75	26.85	100.92	19.17	173.31	38.95	0.96	7.19	4.33	1584
ML_16 - 014	0.04	11.71	0.09	1.10	2.40	0.23	14.67	5.24	68.37	26.45	132.00	26.50	245.61	46.60	0.12	31.60	25.56	1850
ML_16 - 015	0.18	14.84	0.31	3.18	5.94	2.00	33.35	9.70	115.31	41.24	188.68	37.49	327.41	62.85	0.43	11.68	15.16	1742
ML_16 - 016	0.01	16.22	0.18	3.44	6.44	0.36	34.89	11.24	133.91	48.49	223.11	43.20	377.20	69.95	0.07	26.85	16.13	1867
ML_16 - 017	0.01	37.86	0.06	0.94	1.70	0.49	10.60	3.50	45.32	18.40	95.14	20.43	197.52	39.90	0.35	171.89	30.29	1565
ML_16 - 018	0.97	42.50	1.24	8.59	9.29	3.33	31.50	9.27	98.62	33.89	154.60	30.01	269.74	51.33	0.60	7.90	13.11	1604
ML_16 - 020	0.58	17.47	0.76	4.36	4.57	2.10	15.32	4.73	53.56	19.50	94.49	19.47	179.52	35.33	0.77	5.32	18.55	1757
ML_16 - 021	0.53	73.44	0.91	10.11	15.69	2.29	77.40	26.34	323.94	118.10	525.43	94.74	765.61	134.13	0.20	19.90	13.94	1601
ML_16 - 022	1.87	30.09	2.46	17.19	18.18	9.77	60.19	13.57	119.78	32.94	137.93	26.41	243.17	51.52	0.90	2.85	6.88	1618
ML_16 - 024	0.00	7.29	0.05	0.95	2.21	0.32	12.89	4.61	54.54	20.36	99.08	19.92	180.99	34.46	0.18	39.58	21.50	1833
ML_16 - 025	0.10	7.65	0.57	7.81	10.54	0.51	47.04	13.07	143.11	48.18	206.26	37.40	314.88	54.37	0.07	3.82	9.30	1980
ML_16 - 026	0.38	8.26	0.40	3.35	2.40	0.26	9.87	3.06	37.77	13.95	67.71	13.72	125.25	25.02	0.17	4.51	20.40	1840
ML_16 - 027	0.03	12.91	0.03	0.35	1.25	0.45	6.19	2.08	24.73	9.43	50.64	11.29	117.24	25.38	0.50	92.27	32.96	2200
ML_16 - 028	0.03	44.31	0.22	3.39	5.59	1.63	26.76	8.54	101.27	36.99	179.74	36.58	337.62	67.50	0.41	58.57	20.29	1565
ML_16 - 029	0.00	39.54	0.05	0.58	0.92	0.33	6.42	2.39	31.41	13.53	74.77	18.16	190.35	42.56	0.41	254.29	53.34	1597
ML_16 - 031	1.15	37.69	1.17	8.23	8.48	4.02	30.32	7.77	81.59	27.09	124.61	25.70	235.30	45.54	0.77	7.03	12.08	1588
ML_16 - 032	0.03	17.01	0.09	0.92	1.78	0.19	10.90	4.16	56.62	22.75	117.48	24.84	224.82	43.31	0.13	51.41	31.95	1795

APPENDIX C: RUTILE U-PB AGE DATA

Analysis	206Pb/238U Age (Ma)	206Pb/238U Error (Ma)	207Pb/206Pb Age (Ma)	207Pb/206Pb Error (Ma)
ML-14_rutile - 1	1572.289	26.52922	1585.74	23.08013
ML-14_rutile - 2	1476.198	30.69612	1552.998	39.86565
ML-14_rutile - 3	1618.929	26.22643	1589.456	13.13438
ML-14_rutile - 4	1670.771	34.45167	1668.736	25.60828
ML-14_rutile - 5	1604.962	26.33489	1569.245	11.47925
ML-14_rutile - 6	1697.391	29.11073	1598.651	20.94062
ML-14_rutile - 7	1561.108	34.55608	1566.047	49.13211
ML-14_rutile - 8	1558.183	27.22787	1565.357	22.07997
ML-14_rutile - 9	1609.339	25.84673	1571.026	12.36261

APPENDIX D: RUTILE REE (PPM)

29Si	43Ca	47Ti	57Fe	90Zr	93Nb	181Ta	204Pb	206Pb	207Pb	208Pb	232Th	238U
146.5528	13.01135	599400	5140.446	513.4399	4698.983	219.2622	-7.2E-05	13.75768	1.355223	0.028052	0.121234	53.91726
145.2283	-2.29227	599400	5022.04	50.36578	1461.851	105.1309	0.000642	3.96957	0.384254	0.005125	-0.00031	16.9771
134.3961	8.609289	599400	7943.669	893.6237	10895.47	2891.118	-0.00022	53.08791	5.235223	0.01068	0.010261	196.1633
624.5258	36.93994	599400	5183.975	494.9381	3515.267	125.8598	0.005256	11.5293	1.18597	0.19973	0.888819	41.68942
146.5467	6.585752	599400	8980.927	972.694	5315.955	302.8512	0.002907	157.9809	15.41064	0.049331	0.276092	593.8123
153.1632	-15.3103	599400	6333.427	714.9877	3074.476	540.0947	0.003929	34.56438	3.424583	0.140221	0.457065	118.4208
118.2008	4.154119	599400	4430.3	259.9076	704.5549	115.8252	0.000833	3.602728	0.350882	0.028512	0.447835	13.84777
2831.567	6.964708	599400	5971.489	229.3231	3537.79	205.9511	0.001921	14.90082	1.451376	0.07015	0.030469	58.31852
157.7619	13.72658	599400	5632.442	388.3161	3327.748	170.8573	0.001061	112.4688	10.99049	0.010799	0.027017	419.3461

APPENDIX E: HF ISOTOPE DATA

Sample **Analysis** **238U/206Pb** **Error[38/06] 2σ**

Analysis N	Hf176/Hf177	2 S.E.	Lu176/Hf177	Hf Chur (t)	Hf DM (t)	Hf NC(t)	Hf_i	epsilon	2s
ML_001 - 1	0.28206	0.000045	0.00143	0.281686	0.281994	0.281921	0.282013	11.62	1.575
ML_001 - 10	0.282519	0.000038	0.002077	0.282373	0.282779	0.282694	0.282494	4.28	1.33
ML_001 - 12	0.282103	0.000037	0.000597	0.282105	0.282472	0.282393	0.282091	-0.48	1.295
ML_001 - 15	0.281418	0.000063	0.00393	0.281541	0.281828	0.281758	0.281272	-9.52	2.205
ML_001 - 16	0.282346	0.00004	0.000447	0.282350	0.282753	0.282668	0.282340	-0.34	1.4
ML_001 - 2	0.282137	0.000038	0.000843	0.282030	0.282387	0.282308	0.282118	3.13	1.33
ML_001 - 20	0.281231	0.000045	0.000663	0.282024	0.282380	0.282302	0.281216	-28.65	1.575
ML_001 - 21	0.281987	0.000042	0.00136	0.281634	0.281935	0.281863	0.281940	10.88	1.47
ML_001 - 22	0.282175	0.000033	0.000585	0.282027	0.282384	0.282305	0.282162	4.78	1.155
ML_001 - 23	0.281967	0.000038	0.000628	0.281927	0.282269	0.282193	0.281951	0.85	1.33
ML_001 - 24	0.281928	0.000048	0.00179	0.281718	0.282030	0.281957	0.281871	5.45	1.68
ML_001 - 25	0.281945	0.000036	0.000888	0.281902	0.282241	0.282165	0.281922	0.70	1.26
ML_001 - 27	0.282107	0.00004	0.000542	0.282032	0.282389	0.282310	0.282095	2.24	1.4
ML_001 - 28	0.282046	0.000041	0.00097	0.282035	0.282393	0.282314	0.282024	-0.37	1.435
ML_001 - 3	0.281161	0.000046	0.000718	0.282370	0.282776	0.282691	0.281152	-43.13	1.61
ML_001 - 31	0.28196	0.000037	0.000718	0.282092	0.282458	0.282379	0.281945	-5.22	1.295
ML_001 - 32	0.282153	0.000039	0.001093	0.281985	0.282336	0.282258	0.282127	5.02	1.365
ML_001 - 37	0.281953	0.000041	0.000423	0.281919	0.282261	0.282184	0.281942	0.81	1.435
ML_001 - 39	0.282131	0.000043	0.001562	0.282073	0.282436	0.282357	0.282098	0.90	1.505
ML_001 - 4	0.282104	0.000036	0.000532	0.281990	0.282341	0.282264	0.282091	3.60	1.26
ML_001 - 40	0.282226	0.000045	0.000656	0.281941	0.282286	0.282209	0.282210	9.52	1.575
ML_001 - 41	0.282304	0.000038	0.000672	0.282370	0.282776	0.282691	0.282296	-2.64	1.33
ML_001 - 43	0.282283	0.000048	0.000921	0.282052	0.282412	0.282333	0.282263	7.47	1.68
ML_001 - 5	0.282349	0.000038	0.000311	0.282369	0.282775	0.282691	0.282345	-0.86	1.33
ML_001 - 6	0.28138	0.000048	0.0021	0.282369	0.282775	0.282691	0.281354	-35.96	1.68
ML_001 - 7	0.28223	0.000048	0.000985	0.282152	0.282526	0.282446	0.282211	2.11	1.68
ML_001 - 8	0.282214	0.000041	0.000659	0.282128	0.282499	0.282418	0.282201	2.61	1.435
ML_001 - 9	0.281801	0.000038	0.000486	0.282045	0.282404	0.282326	0.281790	-9.03	1.33
ML_002 - 12	0.282138	0.00004	0.00141	0.281871	0.282205	0.282130	0.282100	8.11	1.4
ML_002 - 13	0.282377	0.000044	0.001201	0.282359	0.282763	0.282678	0.282362	0.11	1.54
ML_002 - 14	0.281635	0.000051	0.001197	0.281586	0.281880	0.281809	0.281592	0.22	1.785
ML_002 - 7	0.282144	0.000043	0.000868	0.281838	0.282167	0.282092	0.282120	10.00	1.505
ML_006 - 1	0.281445	0.000043	0.000521	0.281678	0.281985	0.281913	0.281428	-8.88	1.505
ML_006 - 10	0.281675	0.000035	0.000562	0.281583	0.281876	0.281805	0.281655	2.56	1.225
ML_006 - 11	0.281597	0.000031	0.001346	0.281610	0.281907	0.281836	0.281550	-2.13	1.085
ML_006 - 12	0.281644	0.000046	0.000579	0.281675	0.281981	0.281909	0.281625	-1.77	1.61
ML_006 - 13	0.281513	0.000049	0.001117	0.281598	0.281893	0.281822	0.281474	-4.41	1.715
ML_006 - 14	0.28164	0.000042	0.00173	0.281524	0.281808	0.281739	0.281575	1.83	1.47
ML_006 - 15	0.281592	0.000038	0.001059	0.281602	0.281898	0.281827	0.281555	-1.67	1.33
ML_006 - 16	0.281544	0.000037	0.000709	0.281660	0.281964	0.281892	0.281520	-4.96	1.295
ML_006 - 17	0.281872	0.00005	0.00386	0.281762	0.282081	0.282007	0.281754	-0.27	1.75
ML_006 - 18	0.281589	0.000044	0.000566	0.281661	0.281966	0.281894	0.281570	-3.24	1.54
ML_006 - 19	0.281626	0.000033	0.000415	0.281661	0.281966	0.281894	0.281612	-1.74	1.155
ML_006 - 2	0.281614	0.000032	0.00116	0.281598	0.281894	0.281823	0.281573	-0.90	1.12
ML_006 - 20	0.28143	0.00005	0.000433	0.281629	0.281929	0.281857	0.281415	-7.59	1.75
ML_006 - 21	0.281164	0.000041	0.000916	0.281039	0.281254	0.281193	0.281116	2.77	1.435
ML_006 - 22	0.281183	0.000044	0.000343	0.281186	0.281422	0.281359	0.281167	-0.68	1.54
ML_006 - 23	0.28149	0.000036	0.000901	0.281633	0.281934	0.281862	0.281459	-6.19	1.26
ML_006 - 24	0.281577	0.000036	0.000613	0.281607	0.281904	0.281833	0.281556	-1.84	1.26
ML_006 - 25	0.281181	0.000029	0.00147	0.281261	0.281508	0.281443	0.281114	-5.20	1.015
ML_006 - 26	0.281717	0.000038	0.000801	0.281598	0.281893	0.281822	0.281689	3.23	1.33
ML_006 - 27	0.281625	0.000039	0.001597	0.281599	0.281895	0.281824	0.281569	-1.08	1.365
ML_006 - 28	0.281548	0.000046	0.001416	0.280604	0.280758	0.280705	0.281456	30.36	1.61
ML_006 - 29	0.281529	0.000036	0.000478	0.281682	0.281989	0.281917	0.281513	-5.99	1.26

ML_006 - 3	0.281177	0.000036	0.001237	0.281150	0.281382	0.281319	0.281117	-1.20	1.26
ML_006 - 30	0.281576	0.000074	0.000872	0.281615	0.281913	0.281842	0.281546	-2.47	2.59
ML_006 - 31	0.281551	0.000036	0.00088	0.281600	0.281896	0.281825	0.281520	-2.85	1.26
ML_006 - 32	0.28163	0.000033	0.000372	0.281685	0.281993	0.281921	0.281618	-2.39	1.155
ML_006 - 33	0.281589	0.00004	0.000653	0.281644	0.281946	0.281875	0.281567	-2.75	1.4
ML_006 - 34	0.281584	0.000043	0.00106	0.281606	0.281903	0.281832	0.281547	-2.11	1.505
ML_006 - 35	0.28115	0.000027	0.000535	0.281606	0.281903	0.281832	0.281131	-16.86	0.945
ML_006 - 36	0.281535	0.000042	0.00206	0.281669	0.281975	0.281902	0.281467	-7.19	1.47
ML_006 - 37	0.291	0.015	0.00189	0.281482	0.281761	0.281692	0.290927	335.53	525
ML_006 - 38	0.281597	0.000041	0.001234	0.281598	0.281894	0.281823	0.281553	-1.60	1.435
ML_006 - 39	0.281208	0.000033	0.000347	0.281222	0.281464	0.281400	0.281192	-1.07	1.155
ML_006 - 4	0.280899	0.000038	0.00039	0.281314	0.281569	0.281503	0.280882	-15.37	1.33
ML_006 - 40	0.281623	0.000042	0.001892	0.281653	0.281957	0.281885	0.281559	-3.34	1.47
ML_006 - 41	0.281156	0.000037	0.000278	0.281227	0.281470	0.281406	0.281143	-2.99	1.295
ML_006 - 42	0.281257	0.000043	0.00181	0.281635	0.281935	0.281864	0.281195	-15.61	1.505
ML_006 - 43	0.281203	0.000042	0.00168	0.281230	0.281473	0.281408	0.281125	-3.72	1.47
ML_006 - 44	0.28173	0.000039	0.000623	0.281700	0.282010	0.281937	0.281710	0.35	1.365
ML_006 - 45	0.281551	0.000043	0.000621	0.281635	0.281935	0.281864	0.281530	-3.72	1.505
ML_006 - 46	0.281652	0.000032	0.000663	0.281599	0.281895	0.281824	0.281629	1.05	1.12
ML_006 - 47	0.28159	0.000044	0.000725	0.281063	0.281282	0.281221	0.281553	17.43	1.54
ML_006 - 48	0.281441	0.000041	0.00132	0.281305	0.281558	0.281492	0.281383	2.78	1.435
ML_006 - 5	0.281219	0.000037	0.000713	0.281237	0.281481	0.281417	0.281186	-1.81	1.295
ML_006 - 6	0.281651	0.000045	0.000879	0.281587	0.281880	0.281810	0.281620	1.17	1.575
ML_006 - 7	0.281761	0.000045	0.001059	0.281660	0.281964	0.281892	0.281726	2.33	1.575
ML_006 - 8	0.281752	0.00004	0.000534	0.281635	0.281935	0.281864	0.281734	3.52	1.4
ML_006 - 9	0.281559	0.000038	0.001303	0.281568	0.281859	0.281789	0.281512	-1.99	1.33
ML_007 - 1	0.281529	0.000046	0.0009	0.281603	0.281899	0.281828	0.281497	-3.75	1.61
ML_007 - 10	0.281607	0.000035	0.000345	0.281610	0.281907	0.281836	0.281595	-0.54	1.225
ML_007 - 11	0.281608	0.000036	0.000644	0.281574	0.281866	0.281796	0.281585	0.37	1.26
ML_007 - 12	0.281618	0.000033	0.000545	0.281585	0.281878	0.281808	0.281599	0.49	1.155
ML_007 - 13	0.281605	0.000036	0.001105	0.281604	0.281901	0.281830	0.281566	-1.35	1.26
ML_007 - 14	0.281618	0.000046	0.000652	0.281605	0.281901	0.281830	0.281595	-0.35	1.61
ML_007 - 15	0.281568	0.000038	0.00187	0.281521	0.281805	0.281736	0.281498	-0.83	1.33
ML_007 - 16	0.281663	0.000052	0.001945	0.281600	0.281895	0.281824	0.281594	-0.19	1.82
ML_007 - 17	0.281607	0.000039	0.000645	0.281609	0.281906	0.281835	0.281584	-0.89	1.365
ML_007 - 18	no value	NAN	no value	0.281580	0.281873	0.281803	#VALUE!	#VALUE!	#VALUE!
ML_007 - 19	0.281562	0.000033	0.00132	0.281609	0.281906	0.281835	0.281516	-3.32	1.155
ML_007 - 2	0.281646	0.000044	0.000834	0.281679	0.281986	0.281914	0.281619	-2.16	1.54
ML_007 - 20	0.281614	0.000037	0.00137	0.281620	0.281919	0.281848	0.281567	-1.91	1.295
ML_007 - 21	0.28124	0.000041	0.001227	0.281196	0.281434	0.281370	0.281182	-0.49	1.435
ML_007 - 22	0.281768	0.000035	0.000797	0.281652	0.281955	0.281884	0.281741	3.16	1.225
ML_007 - 23	0.281182	0.000052	0.00068	0.281308	0.281563	0.281497	0.281152	-5.56	1.82
ML_007 - 24	0.281627	0.000034	0.000567	0.281615	0.281913	0.281842	0.281607	-0.28	1.19
ML_007 - 25	0.281628	0.000037	0.000521	0.281603	0.281899	0.281828	0.281610	0.24	1.295
ML_007 - 26	0.281578	0.000036	0.00087	0.281620	0.281918	0.281847	0.281548	-2.55	1.26
ML_007 - 27	0.281607	0.00004	0.001009	0.281614	0.281912	0.281841	0.281572	-1.49	1.4
ML_007 - 28	0.281654	0.000042	0.001984	0.281539	0.281826	0.281756	0.281580	1.48	1.47
ML_007 - 29	0.281585	0.00004	0.000468	0.281667	0.281972	0.281900	0.281569	-3.47	1.4
ML_007 - 3	0.281575	0.000037	0.000427	0.281613	0.281911	0.281840	0.281560	-1.89	1.295
ML_007 - 30	0.28117	0.00003	0.000434	0.281190	0.281427	0.281363	0.281149	-1.44	1.05
ML_007 - 31	0.281638	0.000035	0.001438	0.281598	0.281893	0.281822	0.281587	-0.37	1.225
ML_007 - 32	0.281623	0.000035	0.000648	0.281620	0.281919	0.281848	0.281601	-0.71	1.225
ML_007 - 33	0.281785	0.000041	0.001781	0.281677	0.281984	0.281912	0.281726	1.74	1.435
ML_007 - 34	0.281727	0.000037	0.00058	0.281613	0.281910	0.281839	0.281707	3.34	1.295
ML_007 - 35	0.28162	0.000035	0.000437	0.281595	0.281890	0.281819	0.281605	0.33	1.225
ML_007 - 36	0.281589	0.000033	0.00162	0.281602	0.281898	0.281827	0.281532	-2.47	1.155
ML_007 - 4	0.281567	0.000044	0.000595	0.281107	0.281332	0.281270	0.281537	15.31	1.54
ML_007 - 5	0.28179	0.000045	0.000971	0.281631	0.281931	0.281859	0.281757	4.47	1.575
ML_007 - 6	0.281606	0.000039	0.000744	0.281609	0.281906	0.281835	0.281580	-1.04	1.365
ML_007 - 7	0.2816	0.00004	0.00056	0.281620	0.281918	0.281847	0.281581	-1.39	1.4
ML_007 - 8	0.281398	0.000033	0.000986	0.281552	0.281841	0.281771	0.281362	-6.76	1.155
ML_007 - 9	0.281714	0.000036	0.001039	0.281686	0.281994	0.281921	0.281680	-0.21	1.26
ML_008 - 1	0.281709	0.000035	0.000558	0.281725	0.282038	0.281965	0.281691	-1.18	1.225
ML_008 - 10	0.28194	0.000037	0.001075	0.282058	0.282419	0.282340	0.281917	-5.00	1.295
ML_008 - 11	0.282122	0.000047	0.001214	0.282115	0.282484	0.282404	0.282098	-0.60	1.645
ML_008 - 12	0.281816	0.000035	0.000362	0.281756	0.282074	0.282000	0.281805	1.75	1.225
ML_008 - 13	0.28196	0.000047	0.000956	0.282302	0.282697	0.282614	0.281946	-12.59	1.645

ML_008 - 14	0.281597	0.000045	0.001423	0.281639	0.281940	0.281868	0.281548	-3.20	1.575
ML_008 - 15	0.282347	0.000044	0.000658	0.282181	0.282559	0.282478	0.282335	5.48	1.54
ML_008 - 16	0.281214	0.000035	0.002243	0.281081	0.281303	0.281241	0.281100	0.67	1.225
ML_008 - 17	0.281241	0.000035	0.000198	0.281314	0.281568	0.281503	0.281232	-2.89	1.225
ML_008 - 18	0.281683	0.000031	0.00043	0.281962	0.282309	0.282232	0.281672	-10.26	1.085
ML_008 - 19	0.282224	0.000037	0.000373	0.282171	0.282548	0.282467	0.282217	1.64	1.295
ML_008 - 2	0.281348	0.000039	0.000932	0.281432	0.281704	0.281636	0.281310	-4.31	1.365
ML_008 - 20	0.281648	0.000031	4.11E-05	0.282094	0.282461	0.282381	0.281647	-15.85	1.085
ML_008 - 21	0.281789	0.000044	0.0006	0.281888	0.282225	0.282149	0.281773	-4.10	1.54
ML_008 - 22	0.281979	0.000037	0.000767	0.281788	0.282110	0.282036	0.281956	5.97	1.295
ML_008 - 23	0.281899	0.000029	0.000443	0.282106	0.282475	0.282395	0.281890	-7.67	1.015
ML_008 - 24	0.282346	0.000041	0.000808	0.282176	0.282554	0.282473	0.282331	5.50	1.435
ML_008 - 25	0.281102	0.000044	0.000763	0.281121	0.281348	0.281286	0.281064	-2.01	1.54
ML_008 - 26	0.281627	0.000062	0.001056	0.281661	0.281966	0.281894	0.281592	-2.47	2.17
ML_008 - 27	0.28203	0.000039	0.001317	0.282037	0.282396	0.282317	0.282001	-1.30	1.365
ML_008 - 28	0.281646	0.000033	0.000585	0.281618	0.281917	0.281846	0.281626	0.26	1.155
ML_008 - 29	0.281815	0.000035	0.000577	0.281767	0.282086	0.282012	0.281798	1.10	1.225
ML_008 - 3	0.282312	0.000039	0.001913	0.282310	0.282708	0.282624	0.282285	-0.90	1.365
ML_008 - 30	0.281663	0.000036	0.001418	0.281611	0.281909	0.281838	0.281613	0.08	1.26
ML_008 - 31	0.281485	0.000035	0.000825	0.281498	0.281779	0.281710	0.281453	-1.57	1.225
ML_008 - 32	0.282051	0.000039	0.001056	0.282083	0.282448	0.282369	0.282029	-1.93	1.365
ML_008 - 33	0.281934	0.000037	0.001082	0.281741	0.282057	0.281984	0.281900	5.64	1.295
ML_008 - 34	0.282025	0.000043	0.000619	0.282096	0.282462	0.282382	0.282012	-2.95	1.505
ML_008 - 35	0.281042	0.000039	0.000516	0.281240	0.281484	0.281420	0.281018	-7.87	1.365
ML_008 - 36	0.281819	0.000043	0.001062	0.281758	0.282076	0.282002	0.281787	1.03	1.505
ML_008 - 37	0.281901	0.000044	0.001541	0.281713	0.282025	0.281952	0.281852	4.93	1.54
ML_008 - 38	0.281282	0.000038	0.000603	0.281533	0.281819	0.281749	0.281260	-9.71	1.33
ML_008 - 39	0.282084	0.000035	0.000951	0.282311	0.282708	0.282625	0.282071	-8.52	1.225
ML_008 - 4	0.281695	0.000036	0.000583	0.281744	0.282060	0.281987	0.281677	-2.38	1.26
ML_008 - 40	0.28205	0.000035	0.000294	0.282331	0.282731	0.282647	0.282046	-10.09	1.225
ML_008 - 41	0.281094	0.00004	0.001148	0.281043	0.281259	0.281198	0.281035	-0.31	1.4
ML_008 - 42	0.280911	0.000041	0.000209	0.281189	0.281425	0.281362	0.280901	-10.22	1.435
ML_008 - 43	0.281212	0.000049	0.000303	0.281208	0.281448	0.281384	0.281198	-0.37	1.715
ML_008 - 44	0.282136	0.000033	0.000478	0.282785	0.283250	0.283158	0.282136	-22.95	1.155
ML_008 - 45	0.28201	0.000034	0.000699	0.281688	0.281996	0.281924	0.281987	10.63	1.19
ML_008 - 46	0.28214	0.000037	0.000668	0.282078	0.282442	0.282363	0.282126	1.69	1.295
ML_008 - 47	0.281834	0.000028	0.000945	0.281759	0.282077	0.282004	0.281805	1.64	0.98
ML_008 - 48	0.282095	0.000033	0.000799	0.282147	0.282521	0.282441	0.282080	-2.39	1.155
ML_008 - 49	0.28128	0.000042	0.000802	0.281651	0.281954	0.281882	0.281253	-14.13	1.47
ML_008 - 5	0.282369	0.000044	0.000774	0.282175	0.282553	0.282472	0.282355	6.38	1.54
ML_008 - 6	0.282113	0.000038	0.000278	0.282190	0.282570	0.282489	0.282108	-2.91	1.33
ML_008 - 7	0.282008	0.000039	0.000605	0.281967	0.282316	0.282238	0.281993	0.92	1.365
ML_008 - 8	0.28159	0.000045	0.000669	0.281599	0.281895	0.281824	0.281566	-1.16	1.575
ML_008 - 9	0.281351	0.000034	0.00082	0.281427	0.281698	0.281631	0.281318	-3.89	1.19
ML_009 - 1	0.28178	0.000037	0.000974	0.281713	0.282025	0.281952	0.281749	1.28	1.295
ML_009 - 10	0.281462	0.000053	0.00062	0.281683	0.281990	0.281918	0.281442	-8.55	1.855
ML_009 - 11	0.281858	0.000043	0.00123	0.281725	0.282039	0.281966	0.281819	3.33	1.505
ML_009 - 12	0.281335	0.000039	4.47E-05	0.281670	0.281976	0.281904	0.281334	-11.96	1.365
ML_009 - 13	0.281507	0.000036	0.000315	0.281682	0.281989	0.281917	0.281497	-6.58	1.26
ML_009 - 14	0.282282	0.000035	0.001034	0.282158	0.282534	0.282453	0.282263	3.70	1.225
ML_009 - 15	0.281924	0.000039	0.000752	0.281727	0.282040	0.281967	0.281900	6.17	1.365
ML_009 - 16	0.281942	0.000041	0.001582	0.281764	0.282083	0.282009	0.281894	4.61	1.435
ML_009 - 17	0.281854	0.000048	0.00165	0.281758	0.282077	0.282003	0.281804	1.61	1.68
ML_009 - 18	0.281832	0.000038	0.000959	0.281761	0.282079	0.282006	0.281803	1.49	1.33
ML_009 - 19	0.282117	0.000041	0.00104	0.281123	0.281351	0.281289	0.282066	33.51	1.435
ML_009 - 2	0.281825	0.000041	0.00175	0.281688	0.281996	0.281924	0.281768	2.84	1.435
ML_009 - 20	0.282001	0.000037	0.001173	0.281703	0.282013	0.281940	0.281963	9.25	1.295
ML_009 - 21	0.281864	0.000041	0.000308	0.281754	0.282072	0.281999	0.281855	3.56	1.435
ML_009 - 22	0.282044	0.000042	0.000909	0.281695	0.282004	0.281932	0.282015	11.35	1.47
ML_009 - 23	0.281833	0.000041	0.000968	0.281732	0.282046	0.281973	0.281803	2.52	1.435
ML_009 - 24	0.281906	0.00004	0.000716	0.281408	0.281677	0.281609	0.281877	16.64	1.4
ML_009 - 25	0.281929	0.000035	0.001088	0.281745	0.282062	0.281988	0.281895	5.33	1.225
ML_009 - 26	0.281825	0.000037	0.000712	0.281778	0.282099	0.282025	0.281804	0.93	1.295
ML_009 - 27	0.281883	0.000037	0.000222	0.281750	0.282067	0.281993	0.281876	4.48	1.295
ML_009 - 28	0.280921	0.000048	0.001423	0.281135	0.281364	0.281301	0.280851	-10.09	1.68
ML_009 - 29	0.280802	0.00004	0.000356	0.280921	0.281120	0.281061	0.280782	-4.94	1.4
ML_009 - 3	0.28107	0.000035	0.000379	0.281097	0.281320	0.281258	0.281051	-1.62	1.225

ML_009 - 30	0.281753	0.000038	0.00064	0.281792	0.282115	0.282041	0.281734	-2.05	1.33
ML_009 - 31	0.281639	0.000035	0.000642	0.281640	0.281942	0.281870	0.281617	-0.83	1.225
ML_009 - 32	0.281871	0.000049	0.000529	0.281762	0.282081	0.282007	0.281855	3.29	1.715
ML_009 - 33	0.281949	0.000037	0.001245	0.281781	0.282103	0.282029	0.281912	4.63	1.295
ML_009 - 34	0.281792	0.000047	0.001128	0.281699	0.282009	0.281936	0.281756	2.02	1.645
ML_009 - 35	0.281882	0.000038	0.000659	0.281772	0.282093	0.282019	0.281862	3.18	1.33
ML_009 - 36	0.281749	0.000043	0.000885	0.281792	0.282116	0.282041	0.281723	-2.47	1.505
ML_009 - 37	0.281855	0.000041	0.000765	0.281760	0.282078	0.282004	0.281832	2.56	1.435
ML_009 - 38	0.281865	0.000046	0.000795	0.281767	0.282086	0.282012	0.281841	2.64	1.61
ML_009 - 39	0.281857	0.000041	0.001275	0.281026	0.281240	0.281179	0.281790	27.19	1.435
ML_009 - 4	0.281853	0.000039	0.000525	0.281475	0.281753	0.281684	0.281833	12.71	1.365
ML_009 - 40	0.281799	0.000036	0.000779	0.281741	0.282057	0.281984	0.281775	1.19	1.26
ML_009 - 41	0.281839	0.000038	0.000824	0.281746	0.282063	0.281989	0.281814	2.40	1.33
ML_009 - 42	0.281536	0.000037	0.000572	0.281600	0.281896	0.281825	0.281516	-3.00	1.295
ML_009 - 5	0.28127	0.00004	0.00203	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1.4
ML_009 - 6	0.281223	0.00004	0.000681	0.281089	0.281312	0.281250	0.281189	3.53	1.4
ML_009 - 7	0.281091	0.000041	0.000765	0.281156	0.281388	0.281325	0.281054	-3.62	1.435
ML_009 - 8	0.281672	0.000036	0.000633	0.281699	0.282009	0.281936	0.281652	-1.68	1.26
ML_009 - 9	0.281899	0.000041	0.000641	0.281752	0.282070	0.281996	0.281879	4.50	1.435
ML_012 - 10	0.281598	0.000039	0.0017	0.281726	0.282040	0.281967	0.281544	-6.44	1.365
ML_012 - 11	0.281545	0.000049	0.000887	0.281559	0.281849	0.281779	0.281513	-1.66	1.715
ML_012 - 12	0.281085	0.000054	0.00057	0.280884	0.281077	0.281019	0.281053	6.01	1.89
ML_012 - 13	0.281628	0.000037	0.00262	0.281624	0.281923	0.281851	0.281537	-3.06	1.295
ML_012 - 14	0.281622	0.000054	0.00328	0.281696	0.282006	0.281933	0.281516	-6.41	1.89
ML_012 - 15	0.281467	0.000058	0.001535	0.281781	0.282102	0.282028	0.281421	-12.77	2.03
ML_012 - 16	0.281657	0.000039	0.000935	0.281556	0.281846	0.281776	0.281623	2.37	1.365
ML_012 - 17	0.281702	0.00004	0.00117	0.281604	0.281900	0.281829	0.281661	2.04	1.4
ML_012 - 18	0.281617	0.000036	0.001367	0.281763	0.282082	0.282008	0.281575	-6.65	1.26
ML_012 - 19	0.28125	0.000045	0.000826	0.281134	0.281363	0.281301	0.281209	2.68	1.575
ML_012 - 20	0.281761	0.000037	0.000469	0.281763	0.282082	0.282008	0.281747	-0.57	1.295
ML_012 - 21	0.281794	0.000043	0.001793	0.281775	0.282096	0.282022	0.281740	-1.24	1.505
ML_012 - 22	0.281745	0.000042	0.00106	0.281786	0.282108	0.282034	0.281713	-2.57	1.47
ML_012 - 23	0.281662	0.000032	0.001862	0.281760	0.282078	0.282004	0.281605	-5.48	1.12
ML_012 - 24	0.281601	0.000061	0.000304	0.281569	0.281860	0.281790	0.281590	0.74	2.135
ML_012 - 25	0.28161	0.000039	0.0006	0.281523	0.281808	0.281738	0.281587	2.29	1.365
ML_012 - 26	0.281377	0.000047	0.001376	0.281350	0.281610	0.281543	0.281318	-1.12	1.645
ML_012 - 27	0.281649	0.000045	0.001231	0.281607	0.281904	0.281833	0.281606	-0.06	1.575
ML_012 - 28	0.281599	0.000063	0.00173	0.281575	0.281867	0.281797	0.281537	-1.36	2.205
ML_012 - 29	0.281674	0.00003	0.00188	0.281770	0.282091	0.282017	0.281617	-5.44	1.05
ML_013A - 1	0.281196	0.00004	0.000844	0.281218	0.281459	0.281395	0.281157	-2.18	1.4
ML_013A - 10	0.281562	0.000036	0.000603	0.281613	0.281910	0.281839	0.281541	-2.54	1.26
ML_013A - 11	0.281586	0.000037	0.000655	0.281603	0.281899	0.281828	0.281563	-1.42	1.295
ML_013A - 12	0.28169	0.000032	0.0012	0.281600	0.281895	0.281824	0.281648	1.71	1.12
ML_013A - 13	0.281633	0.000044	0.000554	0.281608	0.281905	0.281834	0.281614	0.20	1.54
ML_013A - 14	0.281245	0.00004	0.00097	0.281198	0.281437	0.281373	0.281199	0.03	1.4
ML_013A - 15	0.281244	0.000045	0.00163	0.281157	0.281389	0.281327	0.281165	0.29	1.575
ML_013A - 16	0.281595	0.000042	0.00195	0.281576	0.281868	0.281797	0.281525	-1.80	1.47
ML_013A - 17	0.281606	0.000039	0.000628	0.281618	0.281916	0.281845	0.281584	-1.19	1.365
ML_013A - 18	0.281621	0.000039	0.000749	0.281597	0.281892	0.281822	0.281595	-0.09	1.365
ML_013A - 19	0.281546	0.000034	0.00084	0.281380	0.281644	0.281577	0.281511	4.66	1.19
ML_013A - 2	0.281641	0.000043	0.000594	0.281594	0.281889	0.281819	0.281620	0.91	1.505
ML_013A - 20	0.281633	0.00004	0.000558	0.281605	0.281901	0.281830	0.281613	0.30	1.4
ML_013A - 21	0.281627	0.000048	0.001246	0.281612	0.281909	0.281838	0.281584	-1.01	1.68
ML_013A - 22	0.281656	0.000035	0.000573	0.281601	0.281897	0.281826	0.281636	1.24	1.225
ML_013A - 23	0.281625	0.000034	0.000484	0.281618	0.281917	0.281846	0.281608	-0.36	1.19
ML_013A - 24	0.281642	0.000041	0.000789	0.281614	0.281912	0.281841	0.281615	0.02	1.435
ML_013A - 25	0.281562	0.000047	0.00109	0.281628	0.281928	0.281857	0.281524	-3.68	1.645
ML_013A - 26	0.281233	0.000033	0.000608	0.281238	0.281482	0.281418	0.281205	-1.19	1.155
ML_013A - 27	0.281559	0.000041	0.00116	0.281625	0.281924	0.281853	0.281519	-3.76	1.435
ML_013A - 28	0.281611	0.000036	0.000566	0.281607	0.281903	0.281833	0.281591	-0.56	1.26
ML_013A - 29	0.281668	0.000044	0.00253	0.281589	0.281883	0.281813	0.281578	-0.40	1.54
ML_013A - 3	0.281652	0.000031	0.000828	0.281606	0.281903	0.281832	0.281623	0.60	1.085
ML_013A - 30	0.281609	0.000034	0.000627	0.281599	0.281895	0.281824	0.281587	-0.43	1.19
ML_013A - 31	0.281578	0.000047	0.000822	0.281597	0.281892	0.281822	0.281549	-1.71	1.645
ML_013A - 32	0.281636	0.00004	0.000869	0.281603	0.281899	0.281828	0.281605	0.09	1.4
ML_013A - 33	0.281792	0.000043	0.001005	0.280977	0.281184	0.281124	0.281738	27.07	1.505
ML_013A - 34	0.28163	0.000043	0.001275	0.281593	0.281888	0.281817	0.281585	-0.30	1.505

ML_013A - 35	0.281621	0.000036	0.000614	0.281638	0.281939	0.281868	0.281600	-1.34	1.26
ML_013A - 36	0.281742	0.000043	0.000589	0.281661	0.281966	0.281894	0.281722	2.17	1.505
ML_013A - 37	0.281657	0.000043	0.000767	0.281602	0.281898	0.281827	0.281630	1.01	1.505
ML_013A - 38	0.28149	0.000037	0.00045	0.281597	0.281892	0.281822	0.281474	-4.37	1.295
ML_013A - 39	0.281594	0.000044	0.00233	0.281596	0.281891	0.281820	0.281512	-2.99	1.54
ML_013A - 4	0.281749	0.000046	0.000436	0.281769	0.282088	0.282015	0.281736	-1.16	1.61
ML_013A - 40	0.281644	0.000035	0.000435	0.281609	0.281906	0.281835	0.281629	0.69	1.225
ML_013A - 41	0.281572	0.000041	0.000557	0.281645	0.281947	0.281876	0.281553	-3.26	1.435
ML_013A - 42	0.281705	0.000057	0.00263	0.281627	0.281926	0.281855	0.281614	-0.45	1.995
ML_013A - 43	0.281661	0.000047	0.00098	0.281515	0.281799	0.281729	0.281624	3.86	1.645
ML_013A - 44	0.281601	0.000038	0.00037	0.281611	0.281908	0.281837	0.281588	-0.80	1.33
ML_013A - 5	0.281616	0.000041	0.001301	0.281609	0.281906	0.281835	0.281570	-1.36	1.435
ML_013A - 6	0.281652	0.000038	0.000689	0.281596	0.281891	0.281820	0.281628	1.13	1.33
ML_013A - 7	0.281585	0.000036	0.002166	0.281611	0.281908	0.281837	0.281509	-3.60	1.26
ML_013A - 8	0.281545	0.000036	0.001604	0.281583	0.281876	0.281805	0.281488	-3.38	1.26
ML_013A - 9	0.28141	0.000035	0.00111	0.281580	0.281872	0.281802	0.281370	-7.43	1.225
ML_014 - 1	0.281672	0.000043	0.000888	0.281755	0.282073	0.281999	0.281645	-3.91	1.505
ML_014 - 10	0.281539	0.000044	0.000686	0.281662	0.281966	0.281894	0.281516	-5.18	1.54
ML_014 - 11	0.281702	0.000044	0.000593	0.281629	0.281929	0.281858	0.281682	1.85	1.54
ML_014 - 12	0.281688	0.000044	0.000583	0.281705	0.282015	0.281943	0.281669	-1.25	1.54
ML_014 - 13	0.281748	0.00005	0.000683	0.281747	0.282064	0.281991	0.281727	-0.72	1.75
ML_014 - 14	0.281765	0.000043	0.000595	0.281777	0.282098	0.282024	0.281747	-1.06	1.505
ML_014 - 15	0.281733	0.00004	0.00104	0.281789	0.282112	0.282038	0.281702	-3.09	1.4
ML_014 - 16	0.281674	0.000041	0.00044	0.281787	0.282110	0.282036	0.281661	-4.48	1.435
ML_014 - 17	0.281808	0.000042	0.001165	0.281591	0.281885	0.281814	0.281767	6.25	1.47
ML_014 - 18	0.28154	0.000042	0.000732	0.281633	0.281933	0.281862	0.281515	-4.18	1.47
ML_014 - 19	0.28162	0.000041	0.000358	0.281765	0.282084	0.282010	0.281609	-5.52	1.435
ML_014 - 2	0.28162	0.000045	0.000674	0.281602	0.281898	0.281827	0.281596	-0.21	1.575
ML_014 - 20	0.281577	0.000034	0.00133	0.281619	0.281918	0.281846	0.281531	-3.13	1.19
ML_014 - 21	0.281624	0.000045	0.00186	0.281582	0.281875	0.281805	0.281557	-0.88	1.575
ML_014 - 22	0.281586	0.000038	0.000369	0.281783	0.282105	0.282030	0.281575	-7.37	1.33
ML_014 - 23	0.281604	0.000031	0.001023	0.281743	0.282059	0.281985	0.281572	-6.05	1.085
ML_014 - 24	0.28186	0.000036	5.85E-05	0.281605	0.281902	0.281831	0.281858	8.97	1.26
ML_014 - 25	0.28167	0.000035	0.001781	0.281674	0.281980	0.281908	0.281611	-2.24	1.225
ML_014 - 26	0.28169	0.000037	0.00167	0.281648	0.281950	0.281878	0.281633	-0.50	1.295
ML_014 - 27	0.281568	0.000039	0.000605	0.281609	0.281906	0.281835	0.281547	-2.22	1.365
ML_014 - 28	0.28185	0.00005	0.00181	0.281637	0.281938	0.281867	0.281788	5.36	1.75
ML_014 - 29	0.281697	0.000044	0.001378	0.281594	0.281889	0.281819	0.281648	1.91	1.54
ML_014 - 3	0.281759	0.000039	0.000752	0.281662	0.281966	0.281894	0.281734	2.56	1.365
ML_014 - 30	0.281614	0.00004	0.000954	0.281627	0.281926	0.281855	0.281581	-1.63	1.4
ML_014 - 31	0.281625	0.000029	0.001739	0.281650	0.281953	0.281881	0.281566	-2.98	1.015
ML_014 - 32	0.281628	0.000035	0.00073	0.281607	0.281904	0.281833	0.281602	-0.18	1.225
ML_014 - 33	0.281619	0.000035	0.000399	0.281646	0.281949	0.281877	0.281605	-1.45	1.225
ML_014 - 34	0.281627	0.000035	0.00136	0.281621	0.281920	0.281849	0.281580	-1.46	1.225
ML_014 - 35	0.28122	0.000042	0.000905	0.281175	0.281410	0.281347	0.281177	0.04	1.47
ML_014 - 36	0.281642	0.000028	0.000636	0.281699	0.282009	0.281936	0.281621	-2.74	0.98
ML_014 - 37	0.266	0.021	0.00031	0.281685	0.281992	0.281920	0.265990	-557.17	735
ML_014 - 38	0.281134	0.000055	0.000921	0.281131	0.281359	0.281297	0.281089	-1.50	1.925
ML_014 - 39	0.281171	0.000035	0.000244	0.281227	0.281470	0.281406	0.281160	-2.40	1.225
ML_014 - 4	0.281766	0.000033	0.000897	0.281678	0.281985	0.281913	0.281736	2.07	1.155
ML_014 - 40	0.281688	0.000036	0.001631	0.281620	0.281919	0.281848	0.281631	0.39	1.26
ML_014 - 41	0.281417	0.000053	0.001961	0.281311	0.281565	0.281500	0.281331	0.71	1.855
ML_014 - 42	0.280963	0.000054	0.001096	0.280654	0.280815	0.280761	0.280893	8.53	1.89
ML_014 - 43	0.281717	0.000052	0.001092	0.281648	0.281951	0.281879	0.281680	1.13	1.82
ML_014 - 44	0.281785	0.000039	0.000877	0.281663	0.281967	0.281895	0.281756	3.31	1.365
ML_014 - 45	0.281668	0.00005	0.00143	0.281634	0.281935	0.281863	0.281619	-0.53	1.75
ML_014 - 46	0.2816	0.000045	0.001297	0.281609	0.281906	0.281835	0.281555	-1.92	1.575
ML_014 - 47	0.281642	0.000048	0.001468	0.281629	0.281929	0.281858	0.281592	-1.35	1.68
ML_014 - 48	0.280985	0.000036	0.001	0.280984	0.281192	0.281132	0.280931	-1.89	1.26
ML_014 - 49	0.281626	0.00005	0.00176	0.281672	0.281978	0.281906	0.281568	-3.71	1.75
ML_014 - 5	0.281655	0.000036	0.00098	0.281612	0.281909	0.281838	0.281621	0.31	1.26
ML_014 - 50	0.280938	0.000048	0.000749	0.280799	0.280980	0.280924	0.280894	3.37	1.68
ML_014 - 51	0.281427	0.000045	0.000364	0.281636	0.281937	0.281865	0.281415	-7.86	1.575
ML_014 - 52	0.281206	0.000071	0.001179	0.281123	0.281351	0.281289	0.281148	0.86	2.485
ML_014 - 53	0.281379	0.000048	0.000631	0.281306	0.281560	0.281494	0.281351	1.61	1.68
ML_014 - 54	0.281607	0.000047	0.00124	0.281599	0.281895	0.281824	0.281563	-1.27	1.645
ML_014 - 55	0.281553	0.000035	0.00203	0.281714	0.282026	0.281953	0.281488	-8.00	1.225

ML_014 - 56	0.281222	0.000063	0.000848	0.281035	0.281250	0.281189	0.281178	5.10	2.205
ML_014 - 57	0.28179	0.000032	0.00141	0.281604	0.281901	0.281830	0.281740	4.84	1.12
ML_014 - 58	0.28166	0.000032	0.002096	0.281743	0.282060	0.281986	0.281595	-5.27	1.12
ML_014 - 59	0.281194	0.000045	0.001038	0.281102	0.281326	0.281264	0.281142	1.43	1.575
ML_014 - 6	0.28106	0.000046	0.001064	0.281183	0.281419	0.281355	0.281009	-6.17	1.61
ML_014 - 60	0.28144	0.000035	0.000939	0.281495	0.281776	0.281707	0.281404	-3.24	1.225
ML_014 - 61	0.281684	0.000031	0.002106	0.281639	0.281941	0.281869	0.281612	-0.96	1.085
ML_014 - 62	0.281704	0.000043	0.002472	0.281624	0.281923	0.281851	0.281619	-0.18	1.505
ML_014 - 63	0.281818	0.000046	0.000499	0.281787	0.282109	0.282035	0.281803	0.59	1.61
ML_014 - 64	0.281042	0.000046	0.00093	0.280841	0.281028	0.280971	0.280988	5.24	1.61
ML_014 - 65	0.281571	0.000039	0.000753	0.281598	0.281894	0.281823	0.281544	-1.92	1.365
ML_014 - 7	0.281566	0.000041	0.001206	0.281628	0.281927	0.281856	0.281524	-3.66	1.435
ML_014 - 8	0.281644	0.000044	0.003375	0.280924	0.281124	0.281065	0.281457	18.97	1.54
ML_014 - 9	0.281698	0.000047	0.00119	0.281738	0.282054	0.281980	0.281661	-2.74	1.645
ML_016 - 1	0.28221	0.00012	0.0097	0.281100	0.281325	0.281263	0.281724	22.17	4.2
ML_016 - 10	0.281827	0.000043	0.000454	0.281790	0.282113	0.282038	0.281814	0.84	1.505
ML_016 - 11	0.281631	0.000042	0.000792	0.281675	0.281982	0.281910	0.281605	-2.51	1.47
ML_016 - 12	0.281633	0.000033	0.001034	0.281594	0.281889	0.281819	0.281596	0.07	1.155
ML_016 - 13	0.28166	0.000044	0.00068	0.281605	0.281902	0.281831	0.281636	1.09	1.54
ML_016 - 14	0.281332	0.000042	0.00279	0.281179	0.281414	0.281351	0.281199	0.71	1.47
ML_016 - 15	0.281807	0.000038	0.001547	0.282115	0.282485	0.282405	0.281776	-12.03	1.33
ML_016 - 16	0.281648	0.000026	0.00085	0.281609	0.281906	0.281835	0.281618	0.32	0.91
ML_016 - 17	0.281629	0.000047	0.000393	0.281618	0.281916	0.281845	0.281615	-0.09	1.645
ML_016 - 18	0.281765	0.000032	0.000596	0.281772	0.282092	0.282018	0.281747	-0.88	1.12
ML_016 - 19	0.281667	0.000044	0.000608	0.281606	0.281903	0.281832	0.281646	1.40	1.54
ML_016 - 2	0.281727	0.000041	0.000717	0.281769	0.282089	0.282015	0.281705	-2.27	1.435
ML_016 - 20	0.281697	0.000032	0.000481	0.281656	0.281960	0.281888	0.281681	0.88	1.12
ML_016 - 21	0.28165	0.000035	0.000883	0.281385	0.281650	0.281583	0.281613	8.11	1.225
ML_016 - 3	0.281292	0.000043	0.000422	0.281378	0.281642	0.281575	0.281274	-3.67	1.505
ML_016 - 4	0.281397	0.000047	0.00091	0.281521	0.281805	0.281736	0.281363	-5.62	1.645
ML_016 - 5	0.281942	0.000088	0.00474	0.281767	0.282086	0.282012	0.281798	1.13	3.08
ML_016 - 6	0.281783	0.000052	0.000779	0.281790	0.282113	0.282038	0.281760	-1.06	1.82
ML_016 - 7	0.281624	0.00004	0.000374	0.281617	0.281915	0.281843	0.281611	-0.20	1.4
ML_016 - 8	0.281784	0.000042	0.0014	0.281756	0.282074	0.282000	0.281741	-0.52	1.47
ML_016 - 9	0.281729	0.000061	0.0008	0.281765	0.282084	0.282010	0.281705	-2.13	2.135

APPENDIX F: MAPPING DATA POINTS

B = Bedding; C = Cleavage; O = Observation

Location Number	Latitude	Longitude	Lat (DD)	Long(DD)	Type	Dip	Dip Direction	Unit Observation
1	-34°58'22"S	138°38'36"E	-34.9728	138.6433	B	9	302	1
1	-34°58'22"S	138°38'36"E	-34.9728	138.6433	B	10	266	1
1	-34°58'22"S	138°38'36"E	-34.9728	138.6433	B	16	222	1
1	-34°58'22"S	138°38'36"E	-34.9728	138.6433	C	31	72	1
1	-34°58'22"S	138°38'36"E	-34.9728	138.6433	C	33	67	1
1	-34°58'22"S	138°38'36"E	-34.9728	138.6433	C	34	68	1
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	B	4	158	2
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	B	9	153	2
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	B	12	132	2
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	B	16	157	2
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	C	27	83	2
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	C	30	96	2
2	-34°58'24"S	138°38'37"E	-34.9733	138.6436	C	39	144	2
6	-34°58'28"S	138°38'37"E	-34.9744	138.6436	B	8	236	2
6	-34°58'28"S	138°38'37"E	-34.9744	138.6436	B	9	190	2
6	-34°58'28"S	138°38'37"E	-34.9744	138.6436	B	12	170	2
6	-34°58'28"S	138°38'37"E	-34.9744	138.6436	C	45	91	2
6	-34°58'28"S	138°38'37"E	-34.9744	138.6436	C	46	105	2
6	-34°58'28"S	138°38'37"E	-34.9744	138.6436	C	48	82	2
7	-34°58'30"S	138°38'34"E	-34.975	138.6428	B	10	158	2/3
7	-34°58'30"S	138°38'34"E	-34.975	138.6428	B	17	98	2/3
7	-34°58'30"S	138°38'34"E	-34.975	138.6428	C	45	93	2/3
8	-34°58'32"S	138°38'34"E	-34.9756	138.6428	B	22	73	2/3
8	-34°58'32"S	138°38'34"E	-34.9756	138.6428	B	23	86	2/3
9	-34°58'39"S	138°38'38"E	-34.9775	138.6439	B	18	133	3
9	-34°58'39"S	138°38'38"E	-34.9775	138.6439	B	19	134	3
9	-34°58'39"S	138°38'38"E	-34.9775	138.6439	C	37	99	3
9	-34°58'39"S	138°38'38"E	-34.9775	138.6439	C	38	109	3
10	-34°58'35"S	138°38'55"E	-34.9764	138.6486	O			2/3
11	-34°58'33"S	138°38'57"E	-34.9758	138.6492	B	32	144	3
12	-34°58'33"S	138°38'59"E	-34.9758	138.6497	B	75	295	3
13	-34°58'34"S	138°39'01"E	-34.9761	138.6503	B	44	325	2
13	-34°58'34"S	138°39'01"E	-34.9761	138.6503	B	56	269	3
14	-34°58'35"S	138°39'07"E	-34.9764	138.6519	O			4
15	-34°58'31"S	138°39'06"E	-34.9753	138.6517	O			4
16	-34°58'31"S	138°39'07"E	-34.9753	138.6519	O			4
17	-34°58'29"S	138°39'08"E	-34.9747	138.6522	B	22	127	2
17	-34°58'29"S	138°39'08"E	-34.9747	138.6522	C	70	21	2
17	-34°58'29"S	138°39'08"E	-34.9747	138.6522	C	81	0	2
18	-34°58'28"S	138°39'08"E	-34.9744	138.6522	B	28	54	5
18	-34°58'28"S	138°39'08"E	-34.9744	138.6522	B	80	0	5
19	-34°58'32"S	138°38'52"E	-34.9756	138.6478	O			6
19.1	-34°58'25"S	138°38'52"E	-34.9736	138.6478	O			6
20	-34°58'50"S	138°38'50"E	-34.9806	138.6472	O			3
21	-34°58'16"S	138°38'42"E	-34.9711	138.645	B	29	284	3
22	-34°58'15"S	138°38'40"E	-34.9708	138.6444	B	4	165	2
23	-34°57'50"S	138°38'44"E	-34.9639	138.6456	O			4
23.1	-34°58'10"S	138°38'46"E	-34.9694	138.6461	O			2
23.2	-34°58'09"S	138°38'45"E	-34.9692	138.6458	O			4
24	-34°58'20"S	138°38'39"E	-34.9722	138.6442	C	18	79	1
24	-34°58'20"S	138°38'39"E	-34.9722	138.6442	B	28	225	1
25	-34°58'19"S	138°38'40"E	-34.9719	138.6444	B	10	205	2
25	-34°58'19"S	138°38'40"E	-34.9719	138.6444	C	85	21	2
25	-34°58'19"S	138°38'40"E	-34.9719	138.6444	C	88	198	2
26	-34°58'19"S	138°38'40"E	-34.9719	138.6444	B	25	160	2
27	-34°58'19"S	138°38'40"E	-34.9719	138.6444	B	20	80	2

28	-34°58'19"S	138°38'44"E	-34.9719	138.6456	B	41	162	2
28	-34°58'19"S	138°38'44"E	-34.9719	138.6456	B	44	28	2
28	-34°58'19"S	138°38'44"E	-34.9719	138.6456	C	78	0	2
29	-34°58'20"S	138°38'44"E	-34.9722	138.6456	B	13	118	2/3
29	-34°58'20"S	138°38'44"E	-34.9722	138.6456	B	22	57	2/3
29	-34°58'20"S	138°38'44"E	-34.9722	138.6456	C	78	296	2/3
29	-34°58'20"S	138°38'44"E	-34.9722	138.6456	C	84	318	2/3
29	-34°58'20"S	138°38'44"E	-34.9722	138.6456	C	85	190	2/3
30	-34°58'02"S	138°38'44"E	-34.9672	138.6456	B	16	95	2
30	-34°58'02"S	138°38'44"E	-34.9672	138.6456	C	52	181	2
30	-34°58'02"S	138°38'44"E	-34.9672	138.6456	C	88	246	2
31	-34°58'22"S	138°38'44"E	-34.9728	138.6456	B	18	93	2
31	-34°58'22"S	138°38'44"E	-34.9728	138.6456	B	21	340	2
31	-34°58'22"S	138°38'44"E	-34.9728	138.6456	C	42	198	2
32	-34°58'21"S	138°38'44"E	-34.9725	138.6456	B	14	127	2
32	-34°58'21"S	138°38'44"E	-34.9725	138.6456	B	26	201	2
32	-34°58'21"S	138°38'44"E	-34.9725	138.6456	C	87	286	2
32	-34°58'21"S	138°38'44"E	-34.9725	138.6456	C	89	330	2
33	-34°58'23"S	138°38'45"E	-34.9731	138.6458	O			6
34	-34°58'25"S	138°38'46"E	-34.9736	138.6461	B	27	76	2/3
35	-34°58'39"S	138°39'00"E	-34.9775	138.65	B	31	278	3
35	-34°58'39"S	138°39'00"E	-34.9775	138.65	B	38	275	3
35	-34°58'39"S	138°39'00"E	-34.9775	138.65	B	38	287	3
35	-34°58'39"S	138°39'00"E	-34.9775	138.65	C	77	187	3
35.1	-34°58'39"S	138°39'01"E	-34.9775	138.6503	B	16	80	3
35.1	-34°58'39"S	138°39'01"E	-34.9775	138.6503	B	22	199	3
35.1	-34°58'39"S	138°39'01"E	-34.9775	138.6503	B	43	182	3
35.1	-34°58'39"S	138°39'01"E	-34.9775	138.6503	C	85	27	3
36	-34°58'40"S	138°39'07"E	-34.9778	138.6519	B	37	129	6
36	-34°58'40"S	138°39'07"E	-34.9778	138.6519	B	38	126	6
36	-34°58'40"S	138°39'07"E	-34.9778	138.6519	C	81	224	6
36.1	-34°58'41"S	138°39'06"E	-34.9781	138.6517	O			6
37	-34°58'36"S	138°39'09"E	-34.9767	138.6525	O			6
38	-34°58'36"S	138°39'13"E	-34.9767	138.6536	B	31	98	3
39	-34°58'36"S	138°39'14"E	-34.9767	138.6539	B	44	104	6
39	-34°58'36"S	138°39'14"E	-34.9767	138.6539	B	51	113	6
40	-34°58'40"S	138°39'08"E	-34.9778	138.6522	O			4
41	-34°58'15"S	138°38'08"E	-34.9708	138.6356	B	62	79	2
41	-34°58'15"S	138°38'08"E	-34.9708	138.6356	C	72	176	2
41	-34°58'15"S	138°38'08"E	-34.9708	138.6356	B	75	107	2
41	-34°58'15"S	138°38'08"E	-34.9708	138.6356	C	85	196	2
42	-34°58'15"S	138°38'08"E	-34.9708	138.6356	B	61	64	2
42	-34°58'15"S	138°38'08"E	-34.9708	138.6356	C	80	344	2
42	-34°58'15"S	138°38'08"E	-34.9708	138.6356	B	80	178	2
43	-34°58'37"S	138°38'34"E	-34.9769	138.6428	B	28	24	2/3
43	-34°58'37"S	138°38'34"E	-34.9769	138.6428	B	42	67	2/3
43	-34°58'37"S	138°38'34"E	-34.9769	138.6428	C	75	147	2/3
43	-34°58'37"S	138°38'34"E	-34.9769	138.6428	C	83	42	2/3
44	-34°58'38"S	138°38'35"E	-34.9772	138.6431	B	23	85	3
44	-34°58'38"S	138°38'35"E	-34.9772	138.6431	B	32	101	3
44	-34°58'38"S	138°38'35"E	-34.9772	138.6431	C	32	101	3
44	-34°58'38"S	138°38'35"E	-34.9772	138.6431	B	45	52	3
44	-34°58'38"S	138°38'35"E	-34.9772	138.6431	C	62	180	3
44	-34°58'38"S	138°38'35"E	-34.9772	138.6431	C	84	142	3
45	-34°58'37"S	138°38'23"E	-34.9769	138.6397	B	11	164	2
45	-34°58'37"S	138°38'23"E	-34.9769	138.6397	B	12	64	2
45	-34°58'37"S	138°38'23"E	-34.9769	138.6397	C	89	65	2
45.1	-34°58'36"S	138°38'23"E	-34.9767	138.6397	B	28	248	2
45.1	-34°58'36"S	138°38'23"E	-34.9767	138.6397	C	54	111	2
46	-34°58'27"S	138°38'22"E	-34.9742	138.6394	B	45	108	2
46	-34°58'27"S	138°38'22"E	-34.9742	138.6394	C	80	12	2
46	-34°58'27"S	138°38'22"E	-34.9742	138.6394	C	85	69	2
47	-34°58'29"S	138°38'22"E	-34.9747	138.6394	B	28	78	2
47	-34°58'29"S	138°38'22"E	-34.9747	138.6394	C	80	12	2
47	-34°58'29"S	138°38'22"E	-34.9747	138.6394	C	85	69	2

48	-34°58'34"S	138°38'28"E	-34.9761	138.6411	B	11	310	2/3
48	-34°58'34"S	138°38'28"E	-34.9761	138.6411	B	21	250	2/3
48	-34°58'34"S	138°38'28"E	-34.9761	138.6411	B	25	258	2/3
48	-34°58'34"S	138°38'28"E	-34.9761	138.6411	C	40	352	2/3
48	-34°58'34"S	138°38'28"E	-34.9761	138.6411	C	51	354	2/3
49	-34°58'35"S	138°38'29"E	-34.9764	138.6414	B	58	70	6
50	-34°58'41"S	138°38'21"E	-34.9781	138.6392	C	5	158	2
50	-34°58'41"S	138°38'21"E	-34.9781	138.6392	B	6	179	2
50	-34°58'41"S	138°38'21"E	-34.9781	138.6392	C	79	25	2
51	-34°58'46"S	138°38'16"E	-34.9794	138.6378	B	23	64	2
51	-34°58'46"S	138°38'16"E	-34.9794	138.6378	B	25	74	2
51	-34°58'46"S	138°38'16"E	-34.9794	138.6378	C	40	222	2
52	-34°58'52"S	138°38'12"E	-34.9811	138.6367	B	29	157	2
52	-34°58'52"S	138°38'12"E	-34.9811	138.6367	B	30	132	2
52	-34°58'52"S	138°38'12"E	-34.9811	138.6367	C	68	98	2
53	-34°58'52"S	138°38'05"E	-34.9811	138.6347	B	35	88	2
53	-34°58'52"S	138°38'05"E	-34.9811	138.6347	B	35	61	2
53	-34°58'52"S	138°38'05"E	-34.9811	138.6347	C	80	62	2
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	B	28	199	3
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	B	28	110	3
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	C	41	15	3
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	B	49	65	3
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	C	55	283	3
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	C	61	357	3
54	-34°58'59"S	138°38'02"E	-34.9831	138.6339	C	64	349	3
55	-34°59'00"S	138°38'06"E	-34.9833	138.635	B	36	77	6
55	-34°59'00"S	138°38'06"E	-34.9833	138.635	B	37	67	6
55	-34°59'00"S	138°38'06"E	-34.9833	138.635	C	63	194	6
55	-34°59'00"S	138°38'06"E	-34.9833	138.635	C	64	158	6
56	-34°59'02"S	138°38'05"E	-34.9839	138.6347	B	48	126	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	B	35	144	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	B	37	122	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	B	48	126	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	B	58	133	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	C	76	22	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	C	78	350	2
57	-34°59'04"S	138°38'05"E	-34.9844	138.6347	C	79	332	2
58	-34°59'05"S	138°38'04"E	-34.9847	138.6344	B	17	161	2
58	-34°59'05"S	138°38'04"E	-34.9847	138.6344	C	78	15	2
59	-34°59'05"S	138°38'03"E	-34.9847	138.6342	B	36	137	2
59	-34°59'05"S	138°38'03"E	-34.9847	138.6342	B	37	125	2
59	-34°59'05"S	138°38'03"E	-34.9847	138.6342	C	71	0	2
59	-34°59'05"S	138°38'03"E	-34.9847	138.6342	C	77	54	2
60	-34°59'05"S	138°37'57"E	-34.9847	138.6325	B	16	164	2/3
60	-34°59'05"S	138°37'57"E	-34.9847	138.6325	B	25	153	2/3
60	-34°59'05"S	138°37'57"E	-34.9847	138.6325	B	28	144	2/3
60	-34°59'05"S	138°37'57"E	-34.9847	138.6325	C	41	191	2/3
61	-34°59'07"S	138°37'56"E	-34.9853	138.6322	B	55	114	2/3
62	-34°59'08"S	138°37'56"E	-34.9856	138.6322	B	29	130	2/3
62	-34°59'08"S	138°37'56"E	-34.9856	138.6322	B	35	146	2/3
62	-34°59'08"S	138°37'56"E	-34.9856	138.6322	C	61	358	2/3
62	-34°59'08"S	138°37'56"E	-34.9856	138.6322	C	64	354	2/3
63	-34°59'13"S	138°37'58"E	-34.9869	138.6328	B	48	124	2
63	-34°59'13"S	138°37'58"E	-34.9869	138.6328	C	65	244	2
64	-34°59'40"S	138°37'58"E	-34.9944	138.6328	B	39	108	2
65	-34°59'12"S	138°38'03"E	-34.9867	138.6342	B	29	120	3
66	-34°59'10"S	138°38'05"E	-34.9861	138.6347	B	59	151	3
67	-34°59'09"S	138°38'08"E	-34.9858	138.6356	O			6/3 bounary
68	along top of hill refer to map		0		B	36	140	2/3
68	along top of hill refer to map		0		B	20	132	2/3
68	along top of hill refer to map		0		B	29	120	2/3
68	along top of hill refer to map		0		B	21	115	2/3
68	along top of hill refer to map		0		C	77	13	2/3
68	along top of hill refer to map		0		C	68	24	2/3

69	-34°58'58"S	138°38'26"E	-34.9828	138.6406	O			2/3
70	-34°58'54"S	138°38'26"E	-34.9817	138.6406	O			2
71	-34°58'54"S	138°38'27"E	-34.9817	138.6408	B	43	111	3
72	-34°58'57"S	138°38'43"E	-34.9825	138.6453	B	36	43	6
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	C	5	87	2/3
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	B	16	211	2/3
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	B	16	303	2/3
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	B	20	268	2/3
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	B	22	188	2/3
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	C	48	164	2/3
73	-34°58'16"S	138°39'13"E	-34.9711	138.6536	C	86	141	2/3
74	-34°58'11"S	138°39'13"E	-34.9697	138.6536	B	15	130	2/3
74	-34°58'11"S	138°39'13"E	-34.9697	138.6536	B	25	135	2/3
74	-34°58'11"S	138°39'13"E	-34.9697	138.6536	C	72	182	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	B	21	239	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	B	25	230	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	B	32	86	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	B	32	80	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	B	32	221	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	C	36	234	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	C	71	203	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	C	79	188	2/3
74.1	-34°58'09"S	138°39'16"E	-34.9692	138.6544	C	84	304	2/3
75	other side or road refer to map				B	33	247	2/3
75	other side or road refer to map				B	9	242	2/3
75	other side or road refer to map				B	9	242	2/3
75	other side or road refer to map				C	81	28	2/3
75	other side or road refer to map				C	81	26	2/3
76	-34°58'13"S	138°39'38"E	-34.9703	138.6606	B	16	242	2/3
76	-34°58'13"S	138°39'38"E	-34.9703	138.6606	B	21	251	2/3
76	-34°58'13"S	138°39'38"E	-34.9703	138.6606	B	30	207	2/3
76	-34°58'13"S	138°39'38"E	-34.9703	138.6606	C	81	52	2/3
77	-34°58'12"S	138°39'31"E	-34.97	138.6586	B	11	208	2/3
77	-34°58'12"S	138°39'31"E	-34.97	138.6586	B	28	47	2/3
77	-34°58'12"S	138°39'31"E	-34.97	138.6586	C	85	228	2/3
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	**B**	**40**	**153**	4
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	C	44	173	4
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	B	48	156	4
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	B	64	71	4
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	B	66	266	4
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	C	73	312	4
78	-34°59'00"S	138°37'40"E	-34.9833	138.6278	B	73	317	4
79	-34°35'26"S	138°37'47"E	-34.5906	138.6297	B	16	141	3
79	-34°35'26"S	138°37'47"E	-34.5906	138.6297	B	36	106	3
79	-34°35'26"S	138°37'47"E	-34.5906	138.6297	C	73	128	3
80	-34°59'28"S	138°37'53"E	-34.9911	138.6314	B	38	120	3
81	-34°59'19"S	138°38'13"E	-34.9886	138.6369	B	25	119	2/3
82	-34°59'17"S	138°38'13"E	-34.9881	138.6369	B	16	224	2
82	-34°59'17"S	138°38'13"E	-34.9881	138.6369	B	31	206	2
82	-34°59'17"S	138°38'13"E	-34.9881	138.6369	B	33	155	2
82	-34°59'17"S	138°38'13"E	-34.9881	138.6369	C	68	356	2
82	-34°59'17"S	138°38'13"E	-34.9881	138.6369	C	81	349	2
83	-34°59'17"S	138°38'14"E	-34.9881	138.6372	O			
84	-34°59'15"S	138°38'14"E	-34.9875	138.6372	B	15	253	2
84	-34°59'15"S	138°38'14"E	-34.9875	138.6372	B	21	160	2
85	-34°59'12"S	138°38'16"E	-34.9867	138.6378	B	25	111	2
85	-34°59'12"S	138°38'16"E	-34.9867	138.6378	C	64	33	2
86	-34°59'08"S	138°38'20"E	-34.9856	138.6389	B	19	119	2/3
87	-34°59'05"S	138°38'22"E	-34.9847	138.6394	B	29	119	2/3
88	-34°59'02"S	138°38'23"E	-34.9839	138.6397	B	14	160	2/3
88	-34°59'02"S	138°38'23"E	-34.9839	138.6397	C	87	138	2/3
89	-34°59'14"S	138°38'11"E	-34.9872	138.6364	B	20	155	2/3
90	-34°59'13"S	138°38'08"E	-34.9869	138.6356	B	32	134	2/3
90	-34°59'13"S	138°38'08"E	-34.9869	138.6356	B	34	133	2/3
91	-34°59'17"S	138°38'03"E	-34.9881	138.6342	O			6?

92	-34°59'18"S	138°37'57"E	-34.9883	138.6325	B	37	78	2
92	-34°59'18"S	138°37'57"E	-34.9883	138.6325	C	87	182	2
93	-34°59'14"S	138°37'50"E	-34.9872	138.6306	B	22	194	1
93	-34°59'14"S	138°37'50"E	-34.9872	138.6306	B	28	155	1
93	-34°59'14"S	138°37'50"E	-34.9872	138.6306	C	87	302	1
94	-34°59'15"S	138°37'48"E	-34.9875	138.63	O			2
95	In valley surrounded by trees				O			2
96	-34°58'24"S	138°38'47"E	-34.9733	138.6464	O			6?
97	-34°58'34"S	138°38'54"E	-34.9761	138.6483	B	8	230	2/3
97	-34°58'34"S	138°38'54"E	-34.9761	138.6483	B	10	253	2/3
97	-34°58'34"S	138°38'54"E	-34.9761	138.6483	B	22	272	2/3
97	-34°58'34"S	138°38'54"E	-34.9761	138.6483	C	35	121	2/3
97	-34°58'34"S	138°38'54"E	-34.9761	138.6483	C	36	127	2/3
97	-34°58'34"S	138°38'54"E	-34.9761	138.6483	C	38	140	2/3
98	-34°58'32"S	138°38'52"E	-34.9756	138.6478	O			6
99	-34°58'31"S	138°38'53"E	-34.9753	138.6481	O			6 at 2/3 boundary
100	-34°58'30"S	138°38'53"E	-34.975	138.6481	C	2	354	2/3
100	-34°58'30"S	138°38'53"E	-34.975	138.6481	B	6	179	2/3
100	-34°58'30"S	138°38'53"E	-34.975	138.6481	B	8	139	2/3
101	10 m up hill form 100				O			6
102	-34°58'28"S	138°38'52"E	-34.9744	138.6478	O			6
103	-34°58'28"S	138°38'53"E	-34.9744	138.6481	O			2/3
104	-34°58'23"S	138°38'53"E	-34.9731	138.6481	O			6
105	-34°58'25"S	138°38'53"E	-34.9736	138.6481	O			6
105.1	-34°58'23"S	138°38'53"E	-34.9731	138.6481	O			6 at 2/3 boundary
105.2	-34°58'22"S	138°38'51"E	-34.9728	138.6475	O			2/3
105.3	-34°58'22"S	138°38'50"E	-34.9728	138.6472	O			6 at 2/3 boundary
105.4	-34°57'42"S	138°37'55"E	-34.9617	138.6319	O			6 at 2/3 boundary
107	-34°58'14"S	138°38'45"E	-34.9706	138.6458	O			2 or 4
108	-34°58'26"S	138°38'46"E	-34.9739	138.6461	O			6
109	-34°58'27"S	138°38'45"E	-34.9742	138.6458	O			6
110	-34°58'27"S	138°38'44"E	-34.9742	138.6456	O			6
110.1	-34°58'17"S	138°38'41"E	-34.9714	138.6447	O			2
110.2	-34°58'18"S	138°38'42"E	-34.9717	138.645	O			2
110.3	-34°58'24"S	138°38'47"E	-34.9733	138.6464	O			2
110.4	-34°58'22"S	138°38'51"E	-34.9728	138.6475	O			2/3
110.5	-34°58'23"S	138°38'53"E	-34.9731	138.6481	O			2/3
111	-34°58'17"S	138°38'41"E	-34.9714	138.6447	B	19	89	2
112	-34°57'52"S	138°38'57"E	-34.9644	138.6492	B	44	116	5
113	-34°57'52"S	138°38'58"E	-34.9644	138.6494	B	30	71	1
114	-34°57'57"S	138°39'01"E	-34.9658	138.6503	O			2
115	-34°57'59"S	138°39'03"E	-34.9664	138.6508	B	40	266	2
115	-34°57'59"S	138°39'03"E	-34.9664	138.6508	C	72	34	2
116	-34°58'01"S	138°39'05"E	-34.9669	138.6514	B	31	93	2
116	-34°58'01"S	138°39'05"E	-34.9669	138.6514	B	22	44	2
116	-34°58'01"S	138°39'05"E	-34.9669	138.6514	C	79	309	2
117	-34°58'05"S	138°39'07"E	-34.9681	138.6519	B	12	189	2
117	-34°58'05"S	138°39'07"E	-34.9681	138.6519	C	82	315	2
118	-34°58'05"S	138°39'08"E	-34.9681	138.6522	B	31	43	5
119	-34°58'08"S	138°39'08"E	-34.9689	138.6522	C	86	227	2
119	-34°58'08"S	138°39'08"E	-34.9689	138.6522	B	33	92	2
120	-34°58'12"S	138°39'10"E	-34.97	138.6528	B	22	85	2
121	-34°58'15"S	138°39'10"E	-34.9708	138.6528	O			2/3
122	-34°58'18"S	138°39'16"E	-34.9717	138.6544	O			2
123	-34°58'13"S	138°39'24"E	-34.9703	138.6567	B	21	268	5
123	-34°58'13"S	138°39'24"E	-34.9703	138.6567	B	26	265	5
124	-34°58'12"S	138°39'28"E	-34.97	138.6578	B	30	73	5
124	-34°58'12"S	138°39'28"E	-34.97	138.6578	B	34	63	5
125	-34°58'12"S	138°39'30"E	-34.97	138.6583	B	12	247	2
125	-34°58'12"S	138°39'30"E	-34.97	138.6583	B	8	255	2
126	-34°58'13"S	138°39'31"E	-34.9703	138.6586	B	13	199	2

127	-34°58'20"S	138°39'07"E	-34.9722	138.6519	B	31	176	2
128	-34°59'11"S	138°38'36"E	-34.9864	138.6433	C	77	321	5
128	-34°59'11"S	138°38'36"E	-34.9864	138.6433	B	22	96	5
129	-34°59'07"S	138°38'36"E	-34.9853	138.6433	B	25	87	5
129	-34°59'07"S	138°38'36"E	-34.9853	138.6433	B	29	144	5
130	-34°59'08"S	138°38'42"E	-34.9856	138.645	B	20	151	5
130	-34°59'08"S	138°38'42"E	-34.9856	138.645	B	26	193	5
130	-34°59'08"S	138°38'42"E	-34.9856	138.645	C	76	333	5
131	-34°59'14"S	138°38'28"E	-34.9872	138.6411	O			5
132	-34°59'28"S	138°37'58"E	-34.9911	138.6328	B	23	142	5
132	-34°59'28"S	138°37'58"E	-34.9911	138.6328	B	15	32	5
132	-34°59'28"S	138°37'58"E	-34.9911	138.6328	B	42	129	5
133	-34°59'13"S	138°37'43"E	-34.9869	138.6286	B	36	198	1
133	-34°59'13"S	138°37'43"E	-34.9869	138.6286	B	31	201	1
133	-34°59'13"S	138°37'43"E	-34.9869	138.6286	C	81	46	1