CHAPTER V

RECALIBRATION OF THE PLAGIOCLASE-LIQUID HYGROMETER FOR RHYOLITES

5.1 ABSTRACT

A new dataset that consists of plagioclase liquid pairs from phase equilibrium experiments on rhyolites and rhyodacites from the literature is used to recalibrate the thermodynamic model hygrometer of Lange et al. (2009) to improve calculation of melt H_2O contents in high-SiO_2 liquids. The thermodynamic model incorporates all of the available volumetric and calorimetric data available in the literature for the anorthite ($CaAl_2Si_2O_8$) and albite ($NaAlSi_3O_8$) exchange reaction, and the activities of the crystalline components are taken from Holland and Powell (1992). The dataset for recalibration of the plagioclase-liquid hygrometer for rhyolites consists of 63 H_2O saturated plagioclase-rhyolite/rhyodacite pairs from phase equilibrium experiments from the literature. Four filters were applied to experiments: (1) crystallanities <30%; (2) pure H_2O fluid saturation; (3) compositional totals (including H_2O component) of 95–101% for hydrous quenched glasses; and (4) melt viscosities are <5.1 $\log_{10}$ Pa s. The final dataset spans a range in liquid compositions (69-79 wt% SiO_2), plagioclase compositions (An_{17}-An_{62}) temperatures (750-1040°C), pressures (30-300 MPa), and H_2O contents (1.5-7.3 wt%). The standard error estimate for the model is ±0.38 wt% H_2O, and all liquid compositions are fitted equally well. This calibration of the hygrometer is best applied to metaluminous and peraluminous rhyolites and rhyodacites.

5.2 INTRODUCTION

The H_2O content of magmas controls a wide range of magmatic phenomena, such as phenocryst compositions (e.g., Geschwind & Rutherford, 1995; Gardner *et al*., 1995; Hammer & Rutherford, 2002; Couch *et al*., 2003a, b; Martel & Schmidt, 2003; Larsen, 2005, 2006; Martel, 2006; Tomiya *et al*., 2010; Andrews & Gardner, 2010; Martel, 2012; Waters and Lange, 2013), textures (e.g., Lofgren, 1974; Shea and Hammer, 2013), melt diffusivities (Zhang et al., 2010), and melt viscosities (Zhang et al., 2003; Hui and Zhang, 2007). One advantage to determining H_2O contents in rhyolites is that they are often saturated in multiple phases, which allows pre-eruptive intensive variables (e.g., temperature and fO_2) to be calculated (e.g., Watson and Harrison, 1983; Putirka, 2005; Ghiorso and Evans, 2008). Once temperatures are obtained, pre-eruptive H_2O contents can be calculated with hygrometers (Housh and Luhr, 1991; Putirka, 2005; Lange et al., 2009), modeled with solubility studies (e.g., Moore and Carmichael, 1998; Liu et al., 2005), with thermodynamic programs, (e.g., RMELTS; Ghiorso et al., 2002; Gualda et al., 2012), or by measuring H_2O species (e.g., OH^- groups) in phenocryst phases as a proxy for pre-eruptive melt H_2O contents (e.g., Wade et al., 2008; Humada et al., 2013). Pre-eruptive H_2O contents can be directly measured in melt inclusions in quartz or rapidly quenched glasses (e.g., Eichelberger and Westrich, 1981; Lowenstern, 1994, Wallace et al., 1999; Anderson et al., 2001; Chesner and Luhr, 2010). Although melt H_2O concentrations can be determined from melt inclusions in quartz, not all rhyolites contain quartz phenocrysts and it would be highly useful to have the plagioclase-liquid hygrometer calibrated for rhyolites.

The limitation in the experimental data set for rhyolites was a problem encountered by Lange et al. (2009) during their calibration of the plagioclase-liquid hygrometer. Available high-quality experiments (e.g., those with glass totals, including H_2O, ≥ 97%) were restricted to those with plagioclase ≥ An37, and the application of the 2009 plagioclase-liquid hygrometer to high-silica rhyolites (>73wt% SiO_2) (e.g., Bishop Tuff) results in over-estimates of dissolved melt H_2O contents of ≥1 wt%. Results from the experimental study of Couch et al. (2003) on a low-SiO_2 rhyolite (71.4 wt%) were included in calibration of Lange et al. (2009), whereas experiments on a rhyolite (75.2 wt% SiO_2) from more recent studies (e.g., Tomiya et al., 2010; Martel, 2012; Waters et al., 2012; Castro et al., 2013) were published afterwards. Therefore, application of the 2009 plagioclase-liquid hygrometer to high-silica rhyolites with sodic plagioclase (<An_{35}) has required an extrapolation beyond the calibration. To address this issue, plagioclase-liquid equilibria from the literature on both rhyolite and rhyodacite (Larsen, 2005, 2006; Martel, 2006; Tomiya et al., 2010; Martel, 2012; Waters et al., 2012; Castro et al., 2013) have been used to re-calibrate the plagioclase-liquid hygrometer.

An overview of the Lange et al. (2009) thermodynamic model hygrometer

The plagioclase-liquid hygrometer is based on the equilibrium exchange reaction of the anorthite ($CaAl_2Si_2O_8$) and albite ($NaAlSi_3O_8$) components between crystalline plagioclase and melt phase:

$$CaAl_2Si_2O_8^{crystal} + NaAlSi_3O_8^{melt} = CaAl_2Si_2O_8^{melt} + NaAlSi_3O_8^{crystal} \quad \text{(Equation 5.1)}$$

The anorthite-albite exchange reaction shown in Equation 5.1 is idealized, and, in order to be applied to natural systems, the deviation from standard state conditions must be accounted for by determining the effects of a multi-component liquid. At equilibrium, at

temperature and pressure, the Gibbs free energy of formation for the reaction in equation 5.1 can be written as:

$$\Delta G(T,P) = 0 = \frac{\Delta H°(T)}{RT} - \frac{\Delta S°(T)}{R} + \frac{\int_1^P \Delta V_T^{\circ}(P)dP}{RT} + \ln K \quad \text{(Equation 5.2)}$$

ΔH°(T, P), ΔS°(T, P), and ΔV°(T, P) are the standard state change in enthalpy, entropy and volume of the crystalline and liquid albite and anorthite components, respectively. The rhyolite hygrometer follows the same derivation of the enthalpy, entropy and volume terms as defined by Lange et al. (2009), and the values used in the calculation of these terms are reported in Table 5.1. Lange et al. (2009) include the activity-composition relations for the anorthite and albite components in crystalline plagioclase and multicomponent silicate liquids in the model. This is accomplished with a compositional term, ln*K*, which is the natural log of the equilibrium constant (show in Equation 5.3).

$$\ln(K) = \ln\left(\frac{a^{liquid}_{CaAl_2Si_2O_8}}{a^{liquid}_{NaAlSi_3O_8}}\right) + \ln\left(\frac{a^{crystal}_{NaAlSi_3O_8}}{a^{crystal}_{CaAl_2Si_2O_8}}\right) \quad \text{(Equation 5.3)}$$

The activity terms (a) in Equation 5.3 are further broken down to the mole fractions (X) and activity coefficients (γ) for the crystalline and liquid components in Equations 5.4 and 5.5, respectively.

$$\ln\left(\frac{a^{crystal}_{NaAlSi_3O_8}}{a^{crystal}_{CaAl_2Si_2O_8}}\right) = \ln\left(\frac{\gamma^{crystal}_{NaAlSi_3O_8}}{\gamma^{crystal}_{CaAl_2Si_2O_8}}\right) + \ln\left(\frac{X^{crystal}_{NaAlSi_3O_8}}{X^{crystal}_{CaAl_2Si_2O_8}}\right), \quad \text{Equation 5.4}$$

$$\ln\left(\frac{a^{liquid}_{CaAl_2Si_2O_8}}{a^{liquid}_{NaAlSi_3O_8}}\right) = \ln\left(\frac{\gamma^{liquid}_{CaAl_2Si_2O_8}}{\gamma^{liquid}_{NaAlSi_3O_8}}\right) + \ln\left(\frac{X^{liquid}_{CaAl_2Si_2O_8}}{X^{liquid}_{NaAlSi_3O_8}}\right), \quad \text{Equation 5.5}$$

The mole fraction (X) of anorthite and albite in the plagioclase crystal is measured and based on mixing of Ca and Na in the A site alone. In the hygrometer of Lange et al. (2009) and the new rhyolite hygrometer, the effect of the activity coefficient (γ) on the crystalline components are obtained from the THERMOCALC program

(http://www.earthscii.unimelb.edu.au/tpg/thermocalc/), which is based on the Holland and Powell (1992) model for plagioclase. For the new rhyolite hygrometer, the THERMOCALC program has been parameterized for a range of plagioclase compositions (15 to 100 mol% An) and a range of temperatures (700 to 1250°C).

The activity-composition relations for the liquid components (shown in Equation 5.5), forms the basis of the hygrometer of Lange et al. (2009) and the rhyolite hygrometer. In Equation 5.5, the mole fraction of the anorthite component and the albite component are defined following Carmichael (1977) in Equations 5.6 and 5.7, respectively.

$$X_{CaAl_2Si_2O_8}^{ideal\ liquid} = 64.0\left(X_{CaO}^{liq}\right)\left(X_{Al_2O_3}^{liq}\right)\left(X_{SiO_2}^{liq}\right)^2 \qquad \text{Equation 5.6}$$

$$X_{NaAlSi_3O_8}^{ideal\ liquid} = 18.963\left(X_{Na_2O}^{liq}\right)^{0.5}\left(X_{Al_2O_3}^{liq}\right)^{0.5}\left(X_{SiO_2}^{liq}\right)^3 \qquad \text{Equation 5.7}$$

The equations that produce idealized values of anorthite and albite in the liquid (Equations 5.6 and 5.7) ensure that the activity of these components will each take the value of 1. Following Lange et al. (2009), the ratio of the activity coefficient terms (γ) to be a linear function of liquid components, including the dissolved H_2O components (in Equation 5.8).

$$\ln\left(\frac{\gamma_{CaAl_2Si_2O_8}^{liquid}}{\gamma_{NaAlSi_3O_8}^{liquid}}\right) = a + \frac{b}{T} + \sum d_i X_i + d_{H_2O}X_{H_2O} \qquad \text{Equation 5.8}$$

The terms a, b and d_i are parameters to be fitted from the calibration of hydrous plagioclase-liquid equilibrium experiments, X_{H2O} is the mole fraction of dissolved H_2O in the melt, and X_i is the mole fraction of other oxide components (e.g., SiO_2, Al_2O_3, etc.) in Equation 5.8. Following Lange et al. (2009), the temperature term was added to account for the dependence of H_2O speciation reactions (e.g., OH^- groups and molecular H_2O) on

temperature, which is discussed extensively in Lange et al. (2009).

In Equation 5.9, the equilibrium reaction is shown, where *x,* defined in Equation 5.10, is all of the known thermodynamic data, crystalline anorthite and albite activities, and idealized anorthite and albite compositions in the liquid.

$$0 = x + a + \frac{b}{T} + \sum X_i d_i + X_{H_2O}\left(d_{H_2O}\right) \qquad \text{(Equation 5.9)}$$

$$x = \frac{\Delta H°(T)}{\mathrm{R}T} - \frac{\Delta S°(T)}{\mathrm{R}} + \frac{\int_1^P \Delta V_T^{\circ}(P)dP}{\mathrm{R}T} + \ln\left(\frac{X_{CaAl_2Si_2O_8}^{ideal\ liquid}}{X_{NaAlSi_3O_8}^{ideal\ liquid}}\right) + \ln\left(\frac{a_{NaAlSi_3O_8}^{crystal}}{a_{CaAl_2Si_2O_8}^{crystal}}\right) \qquad \text{(Equation 5.10)}$$

Equation 5.9 is rearranged so that X_{H2O} is the dependent variable in Equation 5.11.

$$X_{H_2O}(-d_{H_2O}) = mx + a + \frac{b}{T} + \sum X_i d_i$$

Both sides Equation 5.11 are divided through by $-d_{H2O}$, which leads to:

$$X_{H_2O} = mx + a' + \frac{b'}{T} + \sum X_i d_i' \qquad \text{(Equation 5.12)}$$

where

$$m = -\frac{1}{d_{H_2O}}, a' = \frac{a}{-d_{H_2O}}, b' = \frac{b}{-d_{H_2O}}, d_i' = \frac{d_i}{-d_{H_2O}} \qquad \text{(Equation 5.13)}$$

Lange et al. (2009) found that the most advantageous form of the regression equation was made by substituting wt% H_2O for X_{H2O}, which allows for the calculation of wt% H_2O without having prior information about the concentration of dissolved melt H_2O. Following Lange et al. (2009), wt% H_2O can be substituted for X_{H2O} by incorporating the molecular weight of H_2O (18.015) into the final form of the regression equation,

$$wt\%\ H_2O = m'x + a'' + \frac{b''}{T} + \sum X_i d_i'' \qquad \text{(Equation 5.14)}$$

where m'=18.1085m, a"=18.015a', b"=18.015b', and d"=18015d'.

Table 5.1A. *Summary of albite thermodynamic data used in the hygrometer model*

Parameter	Value	Reference
T_f	1373 K	Boettcher et al. (1982)
$\Delta H_{fus}(T_f)$	64.5 kJ/(mol·K)	Tenner et al. (2007)
$\Delta S_{fus}(T_f)$	47.0 J/(mol·K)	Tenner et al. (2007)
C_p crystal	$393.64-2415.5T^{-0.5}- 7.8928\ 10^6T^{-2} + 1.07064\ 10^9\ T^{-3}$	Berman (1988)
C_p liquid	359 J/(mol·K)	Tenner et al. (2007)
V_{298K} crystal	100.57 cm^3/mol	Wruck et al. (1991)
α (T) crystal	$2.68 \times 10^{-5}\ K^{-1}$	Fei (1995)
$(\delta V/\delta P)^{crystal}$	-1.67 cm^3/GPa	Tenner et al. (2007); Lange et al. (2009)
V(T) liquid	112.72 + 0.00382 (T-1373) cm^3/mol	Lange (1996)
$(\delta V/\delta P)^{liquid}$	-63.79 - 0.0055 (T-1673) cm^3/GPa	Kress and Carmichael (1988)

Table 5.1B. *Summary of anorthite thermodynamic data used in the hygrometer model*

Parameter	Value	Reference
T_f	1830 K	Rankin and Wright (1915)
$\Delta H_{fus}(T_f)$	142.4 kJ/(mol·K)	Richet and Bottinga (1984)
$\Delta S_{fus}(T_f)$	72.7 J/(mol·K)	Richet and Bottinga (1984)
C_p crystal	$439.37-3734.1T^{-0.5} + 0.317024\ 10^9\ T^{-3}$	Berman (1988)
C_p liquid	432 J/(mol·K)	Richet and Bottinga (1984)
V_{298K} crystal	100.61 cm^3/mol	Wainright and Starky (1971)
α (T) crystal	$1.41 \times 10^{-5}\ K^{-1}$	Fei (1995)
$(\delta V/\delta P)^{crystal}$	-1.16 cm^3/GPa	Angel (2004); Lange et al. (2009)
V(T) liquid	106.3 + 0.00371 (T-1673) cm^3/mol	Lange (1997)
$(\delta V/\delta P)^{liquid}$	-51.82 - 0.0101 (T-1673) cm^3/GPa	Ai and Lange (2008)

5.3 PLAGIOCLASE-LIQUID EQUILIBRIUM DATA

Figure 5.1a is a histogram showing the range of wt% SiO_2 for the experiments used in the calibration of Lange et al. (2009) along with the H_2O saturated phase equilibrium experiments used in this study. The hygrometer of Lange et al. (2009) was calibrated on 72 anhydrous and H_2O saturated phase equilibrium experiments on compositions ranging from basalt to rhyolite (45-73 wt% SiO_2; Fig. 5.1a) and plagioclase compositions ranging from An35-An95 (Fig. 5.1b) (Blatter and Carmichael 1998, 2001;

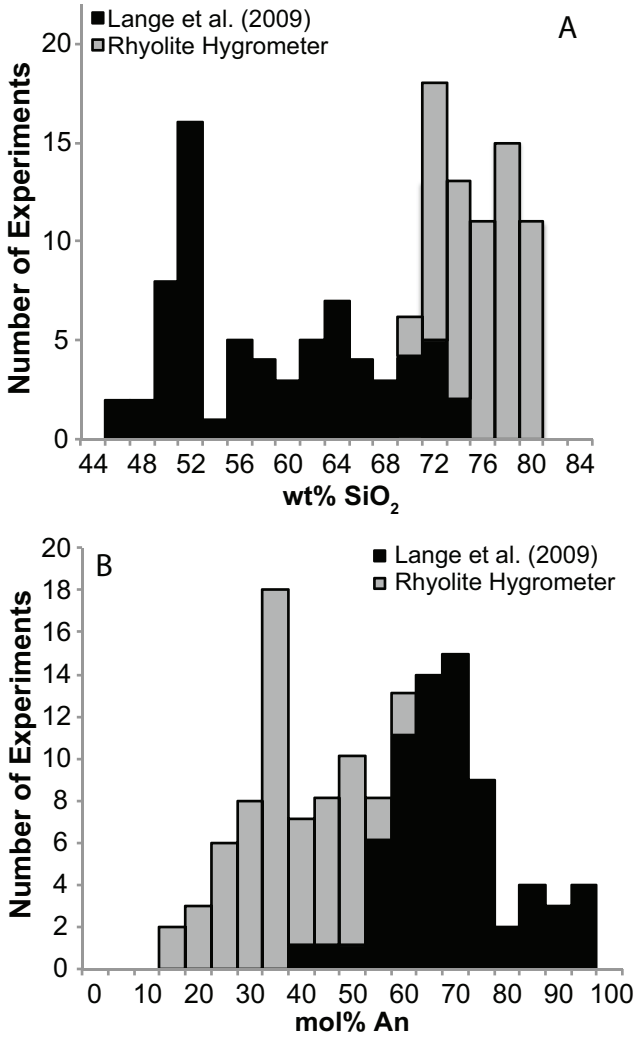

Figure 5.1: Two histograms of the liquid compositions (a) and plagioclase compositions (b) used in the calibrations of Lange et al. (2009) and the rhyolite hygrometer.

Costa et al. 2004; Couch et al. 2003; Gardner et al. 1995; Grove and Juster 1989; Holtz et al. 2005; Juster et al. 1989; Luhr 1990; Martel et al. 1999; Moore and Carmichael 1998; Sisson and Grove 1993a, 1993b; Snyder et al. 1993; Tormey et al. 1987; Wagner et al. 1995). The 2009 calibration has seven experiments >68 wt% SiO_2, with most silicic liquid composition being 73 wt% SiO_2, and, when applied to rhyolites with high concentrations of SiO_2 (≥73 wt% SiO_2), the 2009 hygrometer over predicts H_2O contents due to an extrapolation in terms of the liquid composition.

To make the plagioclase-liquid hygrometer applicable to a wide range of rhyolite liquids, a wide literature search was conducted for H_2O fluid saturated phase equilibrium experiments that pass four filters: (1) saturation in pure H_2O, (2) analytical totals of hydrous glasses must range from 95 to 100.5 wt%, including the H_2O component, (3) overall crystallinities <30%, and (4) melt viscosities ≤5.1 $\log_{10}$ Pa s. The filter applied to the analytical total was changed from 97.5-100.5 wt% (from Lange et al., 2009) to 95-100.5 in the rhyolite hygrometer because no significant change in the results of the regression occurred when including those data with totals lower than 97.5 wt%. Filters (3) and (4) are applied to ensure equilibrium or near-equilibrium conditions for plagioclase-rhyolite liquid pairs. Filter (4) is applied to the rhyolite liquids here to ensure that there is no effect of viscosity on diffusion of plagioclase components (e.g., SiO_2, Al_2O_3, etc.) in viscous liquids. The resulting dataset used for calibration of the rhyolite hygrometer consists of 63 plagioclase-rhyolite liquid pairs from phase equilibrium experiments from the studies of Larsen (2005, 2006), Martel (2006, 2012), Tomiya et al. (2010), Waters et al. (2012), and Castro et al. (2013) (Appendix D Table D1). The rhyolite calibration spans a range of liquid compositions from 69 to 79 wt% SiO_2 (Fig.

5.1a), plagioclase compositions from $An_{62\text{-}17}$ (Fig. 5.1b), temperatures from 750-1040°C, pressures from 30-300 MPa, and dissolved melt H_2O contents from 1.5-7.3 wt% H_2O.

The dataset of Lange et al. (2009) is compared to the calibration of the rhyolite hygrometer in a plot of liquid An number of the liquid v. the mol% An in plagioclase grown in the phase equilibrium experiments (Fig. 5.2), where the liquid An-number is equal to the idealized anorthite component in the liquid divided by the sum of the anorthite and albite components in the liquid (using Equations 3 and 4). There is a trend of gradually decreasing mol% An in plagioclase with decreasing liquid An number observed in the dataset of Lange et al. (2009). In liquids with An-numbers <15, the trend of decreasing mol% An with decreasing liquid An-number steepens dramatically.

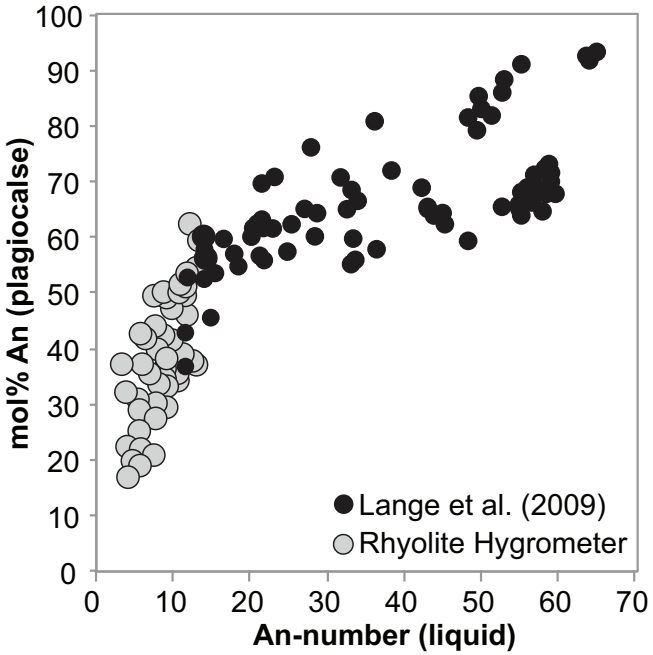

Figure 5.2: A plot of the liquid An-number v. mol% An of the plagioclase grown in the phase equilibrium experiments used in the hygrometer of Lange et al. (2009) and the rhyolite hygrometer.

Because many rhyolites have liquid An-numbers <15 (e.g. Glass Mountain, Medicine Lake, An-number=8; Mesa Falls Tuff, An-number= 5; Novarupta, Katmai Alaska, An-

number=5), the 2009 plagioclase-liquid hygrometer over-predicts H_2O contents in rhyolites due to compositional differences in the liquids in each of the datasets (e.g., Fig. 5.2).

The 63 rhyolite phase equilibrium experiments were added to the calibration of Lange et al. (2009) to test whether the hygrometer could adequately predict dissolved melt H_2O contents for all magmas (e.g., basalts to rhyolites) if calibrated on all the plagioclase-liquid pairs from the calibration of Lange et al. (2009) and the rhyolite calibration. Combining the two calibrations of the hygrometer results in low R^2 values (<0.90), and high standard error estimates (±0.51), and under-estimates of melt H_2O contents in liquids with An-numbers from ~11-15 (e.g., dacites). Therefore, a separate calibration consisting of rhyolite and rhyodacite plagioclase-liquid pairs is used with the hygrometer model of Lange et al. (2009) and provides the most accurate H_2O contents for rhyolite liquids.

5.4 RESULTS OF THE HYGROMETER REGRESSION

A series of unweighted, least squares, multiple linear regressions of the final equation were performed using the backward stepwise method. The fitted terms resulting from the linear regression are shown in Table 5.2. The initial regression included 10 fitted terms (m',a'', b'', and d_i'', where i = SiO_2, Al_2O_3, FeO^T, MgO, CaO, Na_2O, and K_2O). TiO_2 was considered as a d_i term but showed no variance with wt% H_2O, so it was not included in the regression. The goodness of fit of the regression is improved by eliminating parameters having t-test values <3. Two terms, CaO and MgO, have t-test values <3, and removal of these terms improves the fit of the model. As a result, the terms that are considered significant in the hygrometer for rhyolites are m',a'', b'', and d_i'',

where i = SiO_2, Al_2O_3, FeO^T, Na_2O, and K_2O.

Table 5.2: Model Parameters	*Fitted Values ± 1σ*
m'	99.65 ± 12.91
a"	1.07 ± 0.28
b"	3.26 ± 0.18
d" (SiO_2)	130.51 ± 14.02
d" (Al_2O_3)	82.35 ± 20.04
d" (FeO^T)	151.71 ± 21.52
d" (Na_2O)	135.63 ± 14.56
d" (K_2O)	122.26 ± 10.35
Notes: The SEE =0.38 wt% H_2O and R^2= 0.92	

A plot of measured vs. calculated H_2O for the results of the rhyolite calibration is presented in Figure 5.3a with a 1:1 correspondence line. When the terms with t-test values <3 were removed from the regression there was no change to the R^2 value (0.90), a slight improvement in the adjusted R^2 value (0.92), and no change in the standard error estimate for the regression (±0.38). The average residual is ±0.38 wt% H_2O (Fig. 5.3b), and all residuals are <0.84 wt% H_2O. The low R^2 value is due to the natural distribution of the data used to calibrate the rhyolite hygrometer. For example, plagioclase compositions change drastically with little change in liquid composition (Fig. 5.2). The calibration of Lange et al. (2009) is applied to the dataset used to calibrate the rhyolite hygrometer in Figure D1 and the calibration of Lange et al. (2009) systematically over predicts melt H_2O contents by >1 wt%.

Lastly, the model and rhyolite calibration was tested for its ability to be extrapolated. The three most viscous experiments (between 5.04 and 5.07 $\log_{10}$ Pa s) were removed from the calibration and then the dataset was re-regressed. The resultant regression was applied to the three samples that were removed from the calibration. The model accurately recovers the H_2O contents of the three viscous experiments, with an

average residual of 0.21 wt% H_2O, a maximum residual of 0.5 wt% H_2O and a minimum residual of 0.03 wt% H_2O.

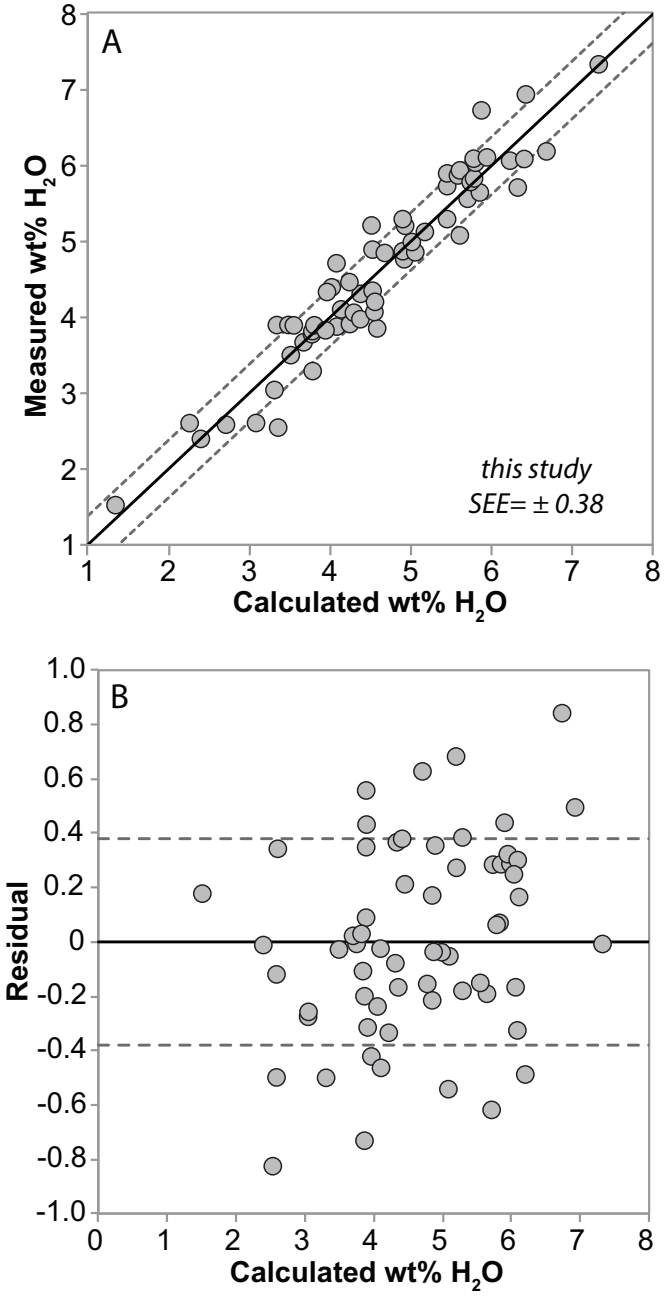

Figure 5. 3: (a) A plot of calculated wt% H_2O by the rhyolite hygrometer and measured wt% H_2O with a 1:1 correspondence line (solid lines) and the standard error (±0.38) (dashed lines) of the model. (b) A plot of wt% H_2O calculated with the rhyolite hygrometer and the residuals with the standard error (±0.38) shown as dashed lines. There are no patterns in the residuals as a function of wt% H_2O.

5.5 APPLICATION OF THE HYGROMETER TO NATURAL RHYOLITES

In the following section, the plagioclase-liquid hygrometer is applied to plagioclase from the oldest unit of the Toba Tuff, from Sumatra, Indonesia, the three Tuffs erupted from Yellowstone Caldera, WY (Huckleberry Ridge, Mesa Falls, Lava Creek Tuffs) and the Bishop Tuff, from Long Valley Caldera, CA, as a test the H_2O contents derived from rhyolite hygrometer against available H_2O contents measured in melt inclusions.

Toba Tuff

The oldest unit of the Toba tuff is a 500 km^3 volume of zoned rhyolite magma (70-75 wt% SiO_2) (Knight et al., 1986; Chesner and Rose, 1991) that is saturated in ten mineral phases: quartz, plagioclase, sanidine, biotite, amphibole, orthopyroxene, titanomagnetite, allanite, zircon, and ilmenite. The melt composition, the range of plagioclase compositions (An_{27}-An_{38}), and pre-eruptive temperature (722°C) that are presented in Chesner (1998) for the Oldest Toba Tuff (sample name OTT in Chesner, 1998) are incorporated into the rhyolite hygrometer to calculate a melt H_2O content of 7.1 wt%. Using the water solubility model of Liu et al. (2005) and the pre-eruptive temperature, 7.1 wt% H_2O corresponds to a pressure of 2,700 bars using the bulk composition of the Older Toba Tuff, under pure H_2O fluid saturated conditions. The pressure that corresponds to a dissolved melt H2O content of 7.1 wt% (2,700 bars) matches the position of the plagioclase-in curve at 722°C, as determined by phase equilibrium experiments of Gardner et al. (2002), which suggests that the rhyolite hygrometer predicts accurate melt H_2O contents.

Dissolved melt H_2O and CO_2 contents measured by FTIR in quartz hosted melt

inclusions from the Older Toba Tuff reported by Chesner and Luhr (2010) range from 2-5.5 wt% and 20-125 ppm, respectively. The rhyolite-hygrometer records melt H_2O contents ~1 wt% higher than those obtained from melt inclusions (Chesner and Luhr, 2010). The discrepancy between the rhyolite hygrometer and melt inclusions can be accounted for by the saturation of plagioclase at higher pressures than quartz at fluid-saturated, shallow crustal conditions (100-300 MPa; Fig., 5.4). Therefore, the plagioclase-liquid hygrometer has the potential to record higher melt H_2O concentrations than quartz-hosted melt inclusions.

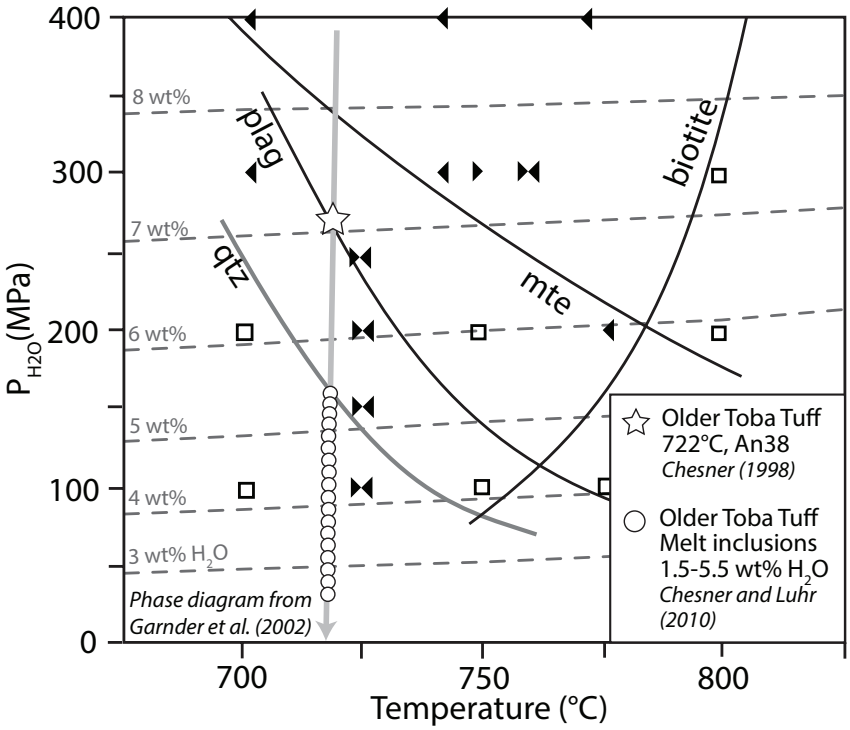

Figure 5.4: Phase diagram for the Toba Tuff from Gardner et al. (2002). Isopleths of dissolved melt H_2O are calculated using the water solubility model of Liu et al. (2005) and the bulk composition used in the phase equilibrium experiments of Gardner et al. (2002). The rhyolite hygrometer predicts a dissolved melt H_2O content of 7.1 wt% (shown as a star) for the bulk composition of the Older Toba Tuff, most calcic plagioclase composition (An30), and pre-eruptive temperature (722°C) presented in Chesner (1998). The H_2O content derived from the hygrometer corresponds to a pressure of 2700 bars using the H_2O solubility model of Liu et al. (2005). Also shown are the wt% H_2O values from FTIR analyses of quartz hosted melt inclusions reported by Chesner and Luhr (2010) (as hollow circles) plotted at the pre-eruptive temperature of the older Toba Tuff reported by Chesner (1998).

Yellowstone Tuffs

The Yellowstone caldera was the origin of three eruptions of large volumes (>500km^3) of rhyolite in the past 2.1 million years: the Huckleberry Ridge Tuff (2500 km^3; 2.1 Mya), Mesa Falls Tuff (500 km^3; 1.2 Mya), and Lava Creek Tuff (1000 km^3; 0.6 Mya) (Christiansen and Blank, 1972; Gansecki, 1998). The three rhyolite tuffs are saturated in nine mineral phases: plagioclase + sanidine + quartz + ilmenite + titanomagnetite + zircon + apatite ± horneblende ± ferro-hedenbergite ± fayalite. Whole rock compositions and pre-eruptive temperatures (784-790°C) are reported for the three tuffs in Gansecki (1998). Plagioclase compositions reported in Gansecki (1998) for the Huckleberry Ridge, Mesa Falls and Lava Creek Tuffs and range from 14-19 mol% An, 16-23 mol% An and 18-19 mol% An, respectively.

The H_2O contents derived from the plagioclase and the rhyolite hygrometer range from 3.1-3.2 wt%, 3.2-3.7 wt%, and 2.6-3.2 wt% in the Huckleberry Ridge, Mesa Falls, and Lava Creek Tuffs, respectively, and are shown with the respective pre-eruptive temperatures in Fig. 5.5. Also shown in Fig. 5.5 are the ranges of H_2O contents measured in melt inclusions from each tuff reported by Gansecki (1998). H_2O contents from melt inclusions range from ~2.7 wt% H_2O, 3.3-4 wt% H_2O, and 1.2-3.8 wt% H_2O for the Huckleberry Ridge, Mesa Falls, and Lava Creek Tuffs, respectively. Gansecki (1998) report a single melt H_2O content (2.77 wt% H_2O) for melt inclusions in the Huckleberry Ridge Tuff, because many of the melt inclusions were not measureable with FTIR due to post-entrapment crystallization. There is good agreement between the H_2O contents derived from the plagioclase liquid hygrometer and the H_2O contents measured in quartz hosted melt inclusions.

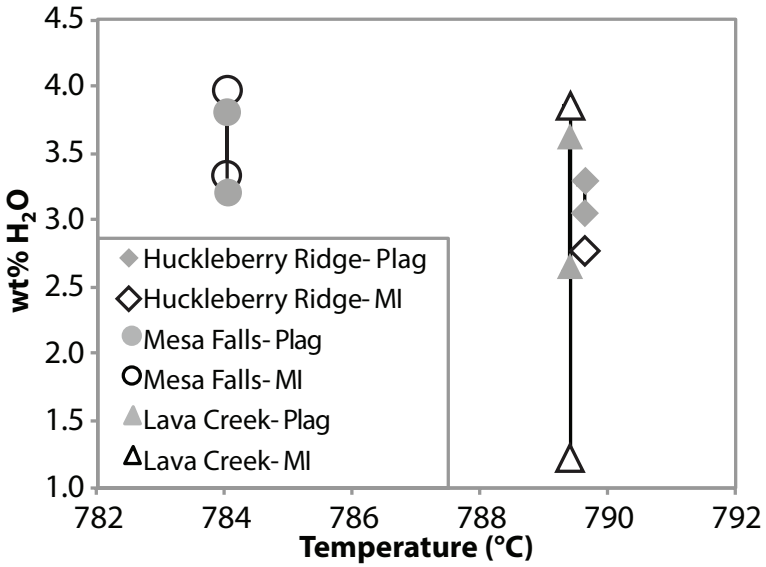

Figure 5.5: Melt H_2O concentrations derived from the plagioclase-liquid hygrometer (noted as –Plag) for the Huckleberry Ridge, Mesa Falls, and Lava Creek Tuffs plotted with the respective pre-eruptive temperatures reported by Gansecki (1998). Also shown are the wt% H_2O concentrations measured in melt inclusions (noted as –MI) in Gansecki (1998) for each of the three tuffs. The dissolved melt H_2O contents derived from the plagioclase hygrometer match those measured in melt inclusions.

Bishop Tuff

The Bishop tuff is a 600 km^3 volume of zoned rhyolite magma (70-75 wt% SiO_2) that is saturated in nine to thirteen mineral phases: quartz + plagioclase + sanidine + biotite + titanomagnetite + ilmenite + augite + zircon + allanite ± orthopyroxene ± monazite ± pyrrhotite. Melt compositions (75.3-77.6 wt% SiO_2), plagioclase compositions (An_{13}-An_{24}), and pre-eruptive temperatures (698-807°C) for the different units of the Bishop Tuff are presented in Hildreth (1977). Application of the rhyolite hygrometer to plagioclase from the Bishop Tuff results in H_2O contents ranging from 3.0-6.6 wt% (Fig. 5.6). In Fig. 5.6a, H_2O contents are caluculated using the pre-eruptive temperatures, whole rock compositions reported by Hildreth (1977), and the maximum mol% An in plagioclase, where the mol% Ab used in the hygrometer is defined as 1-mol% An, which results in the assumption of a negligible concentration of sanidine

($KAlSi_3O_8$) in plagioclase. In Fig. 5.6b, the H_2O contents are caluculated using the maximum mol% Ab, where mol% An incorporated into the hygrometer is defined as 1-mol% Ab (also assuming negligible $KAlSi_3O_8$). Also shown in Fig. 5.6 are the range of H_2O contents measured in quartz-hosted melt inclusion studies of Wallace et al. (1999) and Anderson et al. (2000) for the Early, Middle and Late units of the Bishop Tuff. The H_2O contents caluclated using the maximum mol% Ab in plagioclase and the rhyolite hygrometer closely match the H_2O contents measured in quartz-hosted melt inclusions, whereas melt H_2O contents calculated with maximum mol% An plagcioclase are shifted lower H_2O contents.

The discrepancy between the H_2O contents derived from the maximum mol% An and maximum mol% Ab in plagioclase is due to an increase in the concentration of the sanidine component in plagioclase ($KAlSi_3O_8$) and its effect on the activity of the anorthite and albite components. In plagioclase with low concentrations of anorthite (<16 mol% An), the model of Holland and Powell (1992) predicts that the sanidine component will have a greater activity than the anorthite component. Therefore, the assumption that the concentration of sanidine in plagioclase has an insignificant effect on the activities of anorthite and albite is invalid. To account for effect of sanidine on the activites of anorthite and albite in plagioclase with compositions <16 mol% An in the rhyolite hygrometer, the anorthite contents in plagioclase are best calculated using maximum and minimum albite component in plagioclase (i.e., $X_{An}=1-X_{Ab}$; Fig. 5.6b).

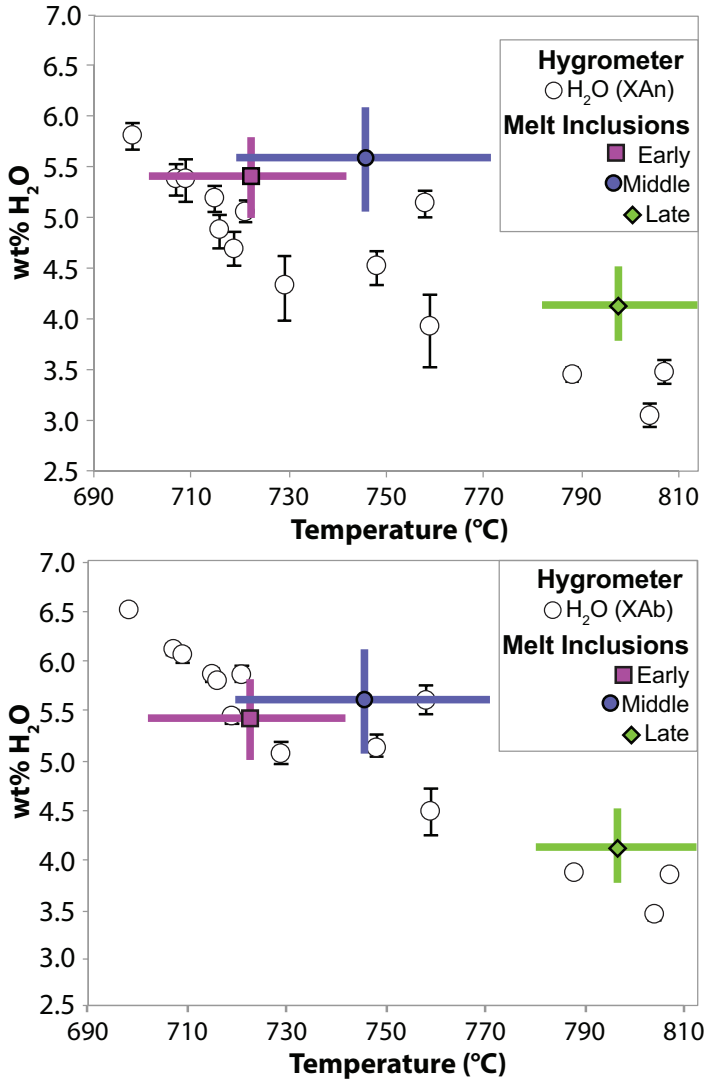

Figure 5.6: (a) Melt H_2O contents calculated for the Bishop Tuff using the bulk compositions from Hildreth (1977), pre-eruptive temperatures, calculated using the iron oxide compositions from Hildreth (1977) and the geo-thermometer of Ghiorso and Evans (2008), and the maximum and minimum mol% An in plagioclase, where the mol% Ab in plagioclase is equal to 1-mol% An. The error bars reflect the range of H_2O contents in a given sample. **(b)** Melt H_2O contents calculated for the Bishop Tuff using the same conditions as in (a), except the plagioclase compositions incorporated into the hygrometer in (b) are calculated using the mol% Ab in plagioclase, where mol% An is defined as 1-mol% Ab. The error bars reflect the range of H_2O contents in a given sample. Also shown in (a) and (b) are the melt water contents measures in melt inclusions from the Bishop Tuff from the studies of Anderson et al. (2000) and Wallace et al. (1999). The symbols are the average temperature and H_2O content measured in the melt inclusions and the X error bars show the range of temperature and spread of wt% H_2O in melt inclusions from the early, middle, and late Bishop Tuff.

5.6 CONCLUSIONS

The new calibration of the plagioclase-liquid hygrometer produces accurate melt H_2O contents for metaluminous and peraluminous rhyolite and rhyodacite liquids (>68

wt% H_2O) over a range of temperatures from 750 to 1040°C. The agreement between H_2O contents derived from the hygrometer and H_2O contents determined by experiment for the Older Toba Tuff (722°C) demonstrates that the hygrometer produces accurate melt H_2O contents when extrapolated to temperatures lower than the range of the calibration.

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CHAPTER VI

CONCLUSIONS

From the evidence presented in the subsequent chapters of the thesis, it is possible to produce a phenocryst assemblage that spans a range of compositions with complex textures through decompression and degassing induced crystallization of a H_2O saturated rhyolite liquid. Samples that are candidates for degassing induced crystallization will have low degrees of crystallization when compared to equilibrium crystallization, owing to retarded or slowed diffusion of plagioclase forming components due to increased melt viscosities. The groundmass crystallization (percentage of microlites) will be controlled by the rate of decompression/degassing. As demonstrated in Chapter IV, the decompression rate affects the conditions at which plagioclase nucleation and growth is suppressed. Evidence from Martel and Schmidt (2003) and Couch et al. (2003) shows that decompression rate, or rate of degassing, affects the pressure, H_2O contents, and melt viscosities at which plagioclase nucleation and growth ceases. At fast decompression rates, plagioclase nucleation and growth ceases at relatively high melt H_2O contents and low melt viscosities when both nucleation and growth rates are low, resulting in some phenocryst growth and no microlite grow, as is the case for MLV36. At slower decompression rates, crystal nucleation and growth will continue into a nucleation-dominated regime, resulting in the growth of both phenocrysts and microlites. Phenocrysts that have compositions that reflect dissolved melt H_2O content, like plagioclase and orthopyroxene, will span a wide range of compositions for relatively low

degrees of crystallinity if they were grown during degassing induced crystallization. The range of compositions that maybe observed in plagioclase and orthopyroxene contrast with the range of compositions observed in minerals like titanomagnetite (Fe_3O_4), which is unaffected by the changing melt H_2O content, owing to the absence of an effect of dissolved melt H_2O on the ferric-ferrous ratio (e.g., Chapter III). Phenocrysts grown during degassing induced crystallization will also have all types of zoning (normal, reverse and none) that accompany a series of complex textures (e.g., blocky, hopper, swallow-tail, vermiform).

The phenocrysts in rhyolite obsidians grow from hydrous, aphyric rhyolite liquids and are not necessarily reflective of the processes by which magmas are formed. The hypothesis of degassing induced crystallization requires that the rhyolites in this work have attained their bulk composition prior to crystallization. Thus, the process by which the rhyolite formed, by extraction of a rhyolite liquid from a crystal rich mush or by partial melting of a pluton, must occur deeper than the upper most crust. Additionally, the rhyolites are saturated in multiple phases (plagioclase + orthopyroxene + ilmenite + titanomagnetite + apatite ± clinopyroxene ± hornblende ± zircon ± sanidine) for very low degrees of crystallinity (<6%), which requires that the source of these rhyolites also be saturated in those phases.

During degassing induced crystallization, phenocrysts compositions record dissolved melt water contents if the activities of the phenocryst components in the melt are affected by H_2O. One significant conclusion from this body of work is that plagioclase nucleation and growth in the six obsidians ceases at relatively high melt water contents, and the H_2O contents at which plagioclase growth ceases is controlled by the

decompression rate. Plagioclase crystallization ceases in the less-evolved obsidians at H_2O contents ranging from 3.5-4.0 wt% H_2O, which correspond to pressures of 94 to 144 MPa under pure H_2O saturated conditions using the water solubility model of Liu et al. (2005). These pressures correspond to depths of ≥2.2-3.9 km or deeper in the presence of CO_2, based on an upper crustal density of 2,700 kg/m^3. Crystallization of the six obsidians occurs deep (>2 km), and it can be concluded that the character of the groundmass of an obsidian is fixed at depth, not in the near surface volcanic conduit.

Future Work

One potential avenue of research to come out of this body of work is the basic theory behind plagioclase speedometry, the potential to use plagioclase phenocrysts, which grew due to degassing induced crystallization, to determine the eruptive rates. Simple H_2O-CO_2 saturated phase equilibrium and decompression experiments have the potential to determine the role of changing melt viscosity on the conditions at which plagioclase growth is suppressed (e.g., pressure, melt H_2O content, and melt viscosity). Alternatively, cooling experiments on basalts and basaltic andesites from above liquidus temperatures to temperatures where plagioclase is stable can be used to approximate the role of changing melt viscosity on plagioclase in liquids with viscosities ranging from 3.5 to 4 $\log_{10}$ Pa s (e.g., anhydrous basalt, anhydrous basaltic andesites, and hydrous dacites), using Hui and Zhang (2007). Establishing decompression rates of magmas in combination with the erupted volumes of magma will improve modeling of conduit shape (e.g., Hagen-Pousille Law) and eruptive dynamics, which both require knowledge of dynamic viscosity. Lastly, combining decompression rates of obsidians with plate motion

from Global Positioning Systems may provide new opportunities to determine the effects regional tectonic stresses on eruptive regime (obsidian, effusive, or explosive volcanism).

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APPENDIX A

Table A1: Whole rock trace element concentrations

Specimen	TEQ21	COMP3	JAL10	MLV36	MLV37	MLV45
Rb				150	150	123
Sr		253		105	107	241
Y		11		21.8	21.8	12
Zr		124		216	219	136
V		7		13	14	16
Ni				<20	<20	<20
Cr				<20	<20	<20
Nb				8.3	8.6	7
Ga				17	17	16
Cu				10	10	<10
Zn				30	30	<30
Co				2	2	1
Ba		1141		838	841	851
La				22.8	23.2	21.7
Ce				44.4	45.5	42.7
U				5.55	5.66	4.7
Th				15.1	15.3	12.1
Sc		2		5	5	3
Pb				20	21	17

Table A2: Titanomagnetite grains

Sample	Number	SiO_2	TiO_2	Al_2O_3	V_2O_3	Cr_2O_3	FeO^T	MnO	MgO	CaO	sum	Fe_2O_3	FeO	corr. sum	mol% Ulv	mol% Mte
TEQ21	Mte 1	0.13	18.1	1.59	0.33	0.01	74.6	0.73	1.13	0.02	96.7	32.0	45.8	99.9	50.8	44.8
TEQ21	Mte 2	0.05	17.5	1.78	0.33	0.05	74.9	0.74	1.04	0.04	96.4	33.1	45.1	99.8	49.0	46.5
TEQ21	Mte 3	0.05	17.7	1.70	0.35	0.00	75.1	0.71	1.05	0.02	96.6	32.8	45.6	99.9	49.5	46.0
TEQ21	Mte 4	0.12	17.9	1.64	0.31	0.02	74.9	0.72	1.12	0.02	96.7	32.6	45.6	100.0	50.0	45.6
TEQ21	Mte 5	0.06	18.0	1.73	0.29	0.04	73.7	0.67	1.05	0.06	95.6	31.6	45.2	98.7	50.9	44.8
TEQ21	Mte 6	0.01	16.8	1.77	0.32	0.02	75.7	0.68	0.98	0.01	96.2	34.4	44.7	99.7	47.1	48.4
TEQ21	Mte 7	0.02	16.3	1.85	0.30	0.01	75.9	0.63	1.05	0.00	96.1	35.3	44.2	99.6	45.8	49.7
TEQ21	Mte 8	0.14	16.0	1.97	0.29	0.00	75.0	0.66	1.08	0.05	95.2	35.0	43.5	98.7	45.2	49.6
TEQ21	Mte 9	0.08	17.4	1.79	0.28	0.04	74.4	0.72	1.17	0.02	95.9	33.0	44.8	99.2	48.9	46.5
TEQ21	Mte 10	0.12	17.9	1.75	0.24	0.00	75.2	0.73	1.12	0.01	97.1	32.6	45.8	100.3	50.0	45.5
COMP3	Mte 1	0.02	5.96	2.29	0.29	0.02	84.7	0.61	1.52	0.02	95.4	56.0	34.3	101.0	28.5	75.9
COMP3	Mte 2	0.06	5.77	2.27	0.25	0.03	85.1	0.63	1.42	0.00	95.5	56.3	34.4	101.2	25.4	71.1
COMP3	Mte 3	0.08	6.03	2.19	0.32	0.02	84.8	0.61	1.59	0.01	95.6	56.0	34.4	101.2	32.2	79.7
COMP3	Mte 4	0.11	4.71	2.38	0.15	0.00	84.5	0.68	1.73	0.03	94.3	57.7	32.5	100.0	15.4	86.3
COMP3	Mte 5	0.12	4.89	2.31	0.30	0.12	84.9	0.72	1.39	0.02	94.7	57.2	33.4	100.5	29.9	69.3
COMP3	Mte 6	0.03	5.83	2.15	0.27	0.02	83.6	0.61	1.63	0.02	94.1	55.4	33.7	99.7	26.5	81.4
COMP3	Mte 7	0.03	5.86	2.19	0.32	0.02	85.3	0.64	1.51	0.03	95.8	56.5	34.5	101.5	32.4	75.6
COMP3	Mte 8	0.07	5.61	2.21	0.25	0.03	83.3	0.59	1.72	0.03	93.8	55.7	33.2	99.4	24.6	86.0
COMP3	Mte 9	0.07	6.11	2.21	0.29	0.06	84.0	0.66	1.65	0.01	95.1	55.4	34.2	100.6	29.3	82.5
COMP3	Mte 10	0.07	5.97	2.12	0.31	0.07	84.1	0.64	1.64	0.03	94.9	55.7	33.9	100.5	31.0	82.2
JAL10	Mte 1	0.11	5.15	2.35	0.08	0.04	85.5	0.62	1.21	0.04	95.1	57.2	34.0	100.8	14.4	80.0
JAL10	Mte 2	0.13	4.87	2.47	0.09	0.00	85.3	0.70	1.06	0.05	94.7	57.3	33.8	100.4	13.7	80.4
JAL10	Mte 3	0.13	6.48	2.35	0.30	0.03	84.5	0.64	1.48	0.01	95.9	54.8	35.2	101.0	17.9	76.0
JAL10	Mte 4	0.12	6.23	2.27	0.31	0.03	84.0	0.67	1.47	0.01	95.1	54.8	34.7	100.6	17.4	76.6
MLV36	Mte 1	0.11	10.9	2.11	1.06	0.14	78.9	0.49	1.39	0.04	95.1	44.6	38.8	99.6	30.6	62.7
MLV36	Mte 2	0.13	10.7	2.17	1.13	0.13	80.0	0.52	1.45	0.03	96.2	45.6	38.9	100.8	29.8	63.3
MLV36	Mte 3	0.12	10.8	2.17	1.14	0.12	79.3	0.48	1.40	0.04	95.5	45.0	38.8	100.0	30.1	63.0
MLV36	Mte 4	0.13	10.9	2.14	1.09	0.10	79.6	0.49	1.35	0.04	95.8	45.0	39.1	100.3	30.3	62.9
MLV36	Mte 5	0.12	10.8	2.34	1.10	0.24	79.0	0.44	1.35	0.03	95.4	44.4	39.0	99.8	30.2	62.3
MLV36	Mte 6	0.07	11.0	2.01	1.10	0.14	79.6	0.45	1.46	0.02	95.8	45.1	39.0	100.3	30.6	63.0
MLV36	Mte 7	0.07	10.9	1.99	1.17	0.06	80.0	0.48	1.40	0.02	96.0	45.4	39.1	100.6	30.3	63.3
MLV36	Mte 8	0.06	11.0	2.05	1.03	0.05	79.8	0.50	1.41	0.03	95.9	45.2	39.1	100.5	30.8	63.0
MLV37	Mte 1	0.17	8.99	2.21	0.39	0.29	80.0	0.45	1.33	0.05	93.9	47.8	36.9	98.6	39.1	66.4
MLV37	Mte 2	0.18	9.82	1.76	0.25	0.02	80.3	0.53	1.02	0.15	94.1	47.4	37.7	98.8	25.2	50.8

Table A3: Ilmenite grains

Sample		SiO_2	TiO_2	Al_2O_3	V_2O_3	Cr_2O_3	FeO^T	MnO	MgO	CaO	sum	Fe_2O_3	FeO	corr. sum	mol% Hem	mol% Ilm	mol% Geik	mol% Pyrph
TEQ21	Ilm 1	0.01	47.3	0.14	0.27	0.01	47.8	0.79	1.74	0.04	98.0	11.7	37.2	99.2	11.2	80.6	6.55	1.68
TEQ21	Ilm 2	0.05	47.4	0.11	0.31	0.04	48.0	0.84	1.73	0.01	98.4	11.8	37.4	99.6	11.1	80.6	6.49	1.79
TEQ21	Ilm 3	0.02	46.9	0.18	0.31	0.02	48.0	0.92	1.74	0.01	98.1	12.8	36.5	99.3	12.2	79.3	6.54	1.96
TEQ21	Ilm 4	0.01	46.8	0.11	0.28	0.04	48.2	0.80	1.75	0.02	98.0	12.6	36.9	99.2	12.0	79.7	6.58	1.71
TEQ21	Ilm 5	0.06	47.9	0.15	0.37	0.02	48.1	0.96	1.67	0.03	99.2	11.7	37.6	100.3	11.0	80.8	6.22	2.02
TEQ21	Ilm 6	0.01	47.3	0.14	0.32	0.00	47.8	0.84	1.70	0.03	98.1	12.0	37.1	99.3	11.3	80.5	6.39	1.78
TEQ21	Ilm 7	0.00	47.3	0.12	0.32	0.01	47.7	0.88	1.67	0.07	98.1	11.7	37.2	99.3	11.1	80.7	6.29	1.89
TEQ21	Ilm 8	0.01	46.7	0.20	0.32	0.02	47.5	0.90	1.78	0.05	97.5	12.7	36.1	98.8	12.1	79.2	6.74	1.94
TEQ21	Ilm 9	0.00	47.7	0.16	0.31	0.06	47.6	0.88	1.69	0.03	98.4	11.4	37.4	99.6	10.8	81.0	6.34	1.88
TEQ21	Ilm 10	0.03	47.4	0.20	0.30	0.04	48.0	0.89	1.81	0.04	98.7	12.5	36.8	100.0	11.7	79.6	6.76	1.88
TEQ21	Ilm 11	0.04	47.8	0.16	0.24	0.02	47.3	0.88	1.89	0.13	98.5	11.1	37.3	99.6	10.5	80.6	7.07	1.88
TEQ21	Ilm 12	0.01	46.6	0.14	0.32	0.03	48.4	0.84	1.72	0.07	98.0	13.3	36.4	99.3	12.6	79.1	6.49	1.79
TEQ21	Ilm 13	0.03	46.6	0.17	0.32	0.00	47.8	0.82	1.77	0.02	97.6	12.8	36.3	98.9	12.2	79.3	6.68	1.76
TEQ21	Ilm 14	0.01	47.6	0.22	0.33	0.03	47.2	0.91	1.76	0.02	98.1	11.5	36.9	99.2	11.0	80.5	6.63	1.95
COMP3	Ilm 1	0.05	38.8	0.27	0.08	0.01	54.2	0.79	2.68	0.04	96.9	29.2	27.9	99.9	27.6	60.7	10.02	1.69
COMP3	Ilm 2	0.02	38.7	0.33	0.09	0.01	53.7	0.81	2.61	0.01	96.3	29.0	27.7	99.2	27.6	60.9	9.83	1.73
COMP3	Ilm 3	0.02	38.6	0.30	0.02	0.02	54.9	0.78	2.65	0.08	97.3	30.1	27.8	100.3	28.3	60.2	9.88	1.65
COMP3	Ilm 4	0.01	38.5	0.28	0.13	0.01	54.4	0.76	2.59	0.13	96.7	29.8	27.6	99.7	28.2	60.5	9.70	1.62
COMP3	Ilm 5	0.10	35.3	0.38	0.15	0.02	57.4	0.63	2.21	0.03	96.2	35.7	25.2	99.7	34.0	56.3	8.32	1.36
COMP3	Ilm 6	0.25	35.6	0.33	0.11	0.03	57.0	0.66	2.36	0.01	96.4	34.8	25.7	99.9	33.0	56.7	8.87	1.40
COMP3	Ilm 7	0.00	38.3	0.32	0.10	0.00	55.2	0.78	2.37	0.07	97.1	30.6	27.7	100.2	28.9	60.6	8.86	1.66
COMP3	Ilm 8	0.03	38.6	0.34	0.04	0.05	54.8	0.71	2.27	0.05	96.8	29.4	28.3	99.8	27.8	62.1	8.52	1.52
JAL10	Ilm 1	0.11	39.7	0.31	0.07	0.00	53.0	0.79	2.49	0.00	96.5	26.6	29.1	99.2	25.3	63.7	9.36	1.70
JAL10	Ilm 2	0.08	39.7	0.34	0.04	0.02	53.0	0.77	2.48	0.02	96.5	26.5	29.1	99.1	25.3	63.7	9.36	1.65
JAL10	Ilm 3	0.04	39.2	0.53	0.08	0.02	53.4	0.82	2.54	0.13	96.7	29.0	27.3	99.6	27.4	61.3	9.52	1.75
JAL10	Ilm 4	0.05	40.2	0.26	0.07	0.03	53.5	0.74	2.28	0.01	97.1	26.1	30.1	99.7	24.7	65.1	8.57	1.58
JAL10	Ilm 5	0.04	40.3	0.38	0.03	0.05	54.2	0.80	2.30	0.00	98.0	27.2	29.7	100.7	25.6	64.2	8.55	1.69
JAL10	Ilm 6	0.04	40.0	0.19	0.08	0.03	53.9	0.73	2.38	0.02	97.3	26.5	30.0	99.9	25.0	64.5	8.91	1.55
JAL10	Ilm 7	0.02	40.4	0.23	0.08	0.01	54.1	0.73	2.27	0.05	97.8	26.5	30.3	100.5	24.9	65.1	8.44	1.54
JAL10	Ilm 8	0.04	41.2	0.73	0.01	0.02	53.6	0.87	2.37	0.03	98.9	27.6	28.8	101.6	25.6	63.9	8.72	1.82
JAL10	Ilm 9	0.06	40.1	0.99	0.11	0.05	53.1	0.76	2.08	0.01	97.2	28.8	27.1	100.1	27.3	63.3	7.78	1.61
JAL10	Ilm 10	0.00	40.6	0.26	0.06	0.03	53.7	0.76	2.38	0.01	97.8	26.1	30.3	100.4	24.5	65.0	8.86	1.60
JAL10	Ilm 11	0.00	40.1	0.29	0.01	0.05	53.5	0.79	2.31	0.01	97.1	26.3	29.9	99.7	24.9	64.8	8.67	1.68
MLV36	Ilm 1	0.09	45.4	0.18	0.51	0.01	49.2	0.64	2.30	0.07	98.4	17.0	33.9	100.1	16.0	74.1	8.56	1.35
MLV36	Ilm 2	0.08	45.4	0.19	0.52	0.02	48.6	0.53	2.34	0.09	97.7	16.4	33.8	99.4	15.5	74.6	8.77	1.12
MLV36	Ilm 3	0.05	46.7	0.22	0.41	0.08	48.3	0.58	2.52	0.03	98.8	15.0	34.8	100.3	14.0	75.5	9.33	1.21
MLV36	Ilm 4	0.02	45.9	0.21	0.48	0.06	48.5	0.58	2.47	0.01	98.2	16.1	34.0	99.8	15.1	74.5	9.19	1.23
MLV36	Ilm 5	0.04	45.5	0.21	0.55	0.03	48.5	0.59	2.48	0.00	97.9	16.7	33.5	99.6	15.7	73.7	9.28	1.26
MLV36	Ilm 6	0.03	46.3	0.93	0.56	0.03	47.8	0.56	2.60	0.07	98.9	18.8	30.9	100.8	17.5	71.7	9.58	1.17
MLV36	Ilm 7	0.03	45.5	0.18	0.52	0.08	48.5	0.58	2.52	0.01	97.9	16.5	33.6	99.5	15.6	73.8	9.41	1.22

MLV36	Ilm 8	0.00	45.7	0.24	0.48	0.05	48.4	0.58	2.52	0.00	98.0	16.4	33.6	99.6	15.5	73.9	9.41	1.22
MLV36	Ilm 9	0.05	45.1	0.22	0.48	0.05	48.8	0.59	2.36	0.04	97.7	17.0	33.5	99.4	16.1	73.8	8.85	1.25
MLV36	Ilm 10	0.07	44.8	0.21	0.52	0.08	49.7	0.58	2.38	0.03	98.4	18.4	33.1	100.2	17.3	72.6	8.84	1.23
MLV36	Ilm 11	0.05	46.4	0.18	0.40	0.07	48.4	0.52	2.48	0.10	98.6	15.1	34.9	100.2	14.1	75.6	9.20	1.09
MLV36	Ilm 12	0.05	46.6	0.21	0.47	0.08	48.3	0.60	2.46	0.05	98.8	15.2	34.6	100.3	14.2	75.4	9.13	1.26
MLV36	Ilm 13	0.02	46.6	0.26	0.45	0.07	47.7	0.62	2.62	0.03	98.4	15.0	34.2	99.9	14.1	74.8	9.76	1.30
MLV36	Ilm 14	0.08	45.3	0.45	0.43	0.06	48.4	0.59	2.08	0.01	97.4	16.6	33.4	99.1	15.8	75.1	7.84	1.27
MLV36	Ilm 15	0.07	45.7	0.17	0.49	0.06	48.6	0.57	2.08	0.03	97.7	15.4	34.7	99.3	14.6	76.3	7.83	1.22
MLV36	Ilm 16	0.06	44.7	0.18	0.45	0.10	49.1	0.62	2.01	0.05	97.2	16.9	33.9	98.9	16.1	75.0	7.61	1.32
MLV36	Ilm 17	0.03	45.3	0.24	0.41	0.12	48.9	0.58	2.47	0.00	98.0	17.0	33.6	99.7	16.0	73.5	9.23	1.23
MLV36	Ilm 18	0.06	46.3	0.22	0.46	0.10	47.8	0.62	2.42	0.01	98.0	14.7	34.6	99.5	13.9	75.7	9.06	1.32
MLV36	Ilm 19	0.06	46.5	0.16	0.42	0.06	48.3	0.56	2.56	0.02	98.6	15.0	34.8	100.1	14.0	75.3	9.51	1.18
MLV36	Ilm 20	0.01	45.9	0.22	0.42	0.08	48.6	0.59	2.47	0.02	98.3	15.9	34.2	99.9	15.0	74.5	9.22	1.26
MLV36	Ilm 21	0.02	46.6	0.20	0.43	0.10	48.2	0.57	2.49	0.03	98.6	14.9	34.8	100.1	14.0	75.6	9.24	1.21
MLV37	Ilm 1	0.05	45.7	0.13	0.47	0.03	49.9	0.62	1.78	0.07	98.7	16.2	35.4	100.3	15.2	76.8	6.63	1.31
MLV37	Ilm 2	0.07	45.3	0.17	0.51	0.04	49.3	0.68	1.84	0.05	98.0	16.3	34.7	99.6	15.4	76.2	6.90	1.44
MLV37	Ilm 3	0.03	45.5	0.17	0.45	0.03	48.8	0.61	1.87	0.07	97.6	15.4	34.9	99.1	14.7	77.0	7.05	1.31
MLV37	Ilm 4	0.05	45.8	0.14	0.45	0.06	48.9	0.62	1.78	0.03	97.8	14.9	35.5	99.3	14.1	77.8	6.71	1.34
MLV37	Ilm 5	0.03	45.6	0.13	0.47	0.04	49.2	0.58	1.86	0.02	98.0	15.5	35.3	99.5	14.7	77.1	6.97	1.25
MLV37	Ilm 6	0.11	45.7	0.12	0.46	0.07	49.2	0.62	1.78	0.01	98.1	15.1	35.6	99.6	14.4	77.7	6.67	1.32
MLV37	Ilm 7	0.07	45.4	0.21	0.48	0.04	48.8	0.69	1.75	0.04	97.5	15.5	34.8	99.1	14.8	77.1	6.61	1.47
MLV37	Ilm 8	0.01	46.0	0.13	0.50	0.07	49.0	0.67	1.79	0.02	98.1	15.0	35.5	99.6	14.2	77.6	6.74	1.43
MLV37	Ilm 9	0.01	46.4	0.15	0.48	0.07	49.7	0.65	1.82	0.02	99.2	15.4	35.8	100.7	14.4	77.5	6.77	1.37
MLV37	Ilm 10	0.60	44.7	0.21	0.46	0.04	48.9	0.58	1.70	0.01	97.2	15.3	35.1	98.7	14.6	77.7	6.43	1.25
MLV37	Ilm 11	0.05	45.7	0.18	0.39	0.04	49.2	0.61	1.89	0.01	98.0	15.4	35.3	99.5	14.6	77.0	7.09	1.30
MLV37	Ilm 12	0.09	45.7	0.11	0.51	0.10	48.9	0.62	1.88	0.02	97.9	15.1	35.3	99.5	14.4	77.2	7.05	1.33
MLV37	Ilm 13	0.07	45.6	0.14	0.44	0.05	48.7	0.63	1.83	0.03	97.5	14.8	35.4	99.0	14.1	77.7	6.89	1.35
MLV37	Ilm 14	0.13	44.8	0.24	0.46	0.07	49.1	0.64	1.92	0.01	97.3	16.7	34.1	99.0	15.9	75.5	7.24	1.37
MLV37	Ilm 15	0.13	45.6	0.16	0.50	0.05	48.5	0.62	1.82	0.01	97.5	14.8	35.2	99.0	14.1	77.7	6.87	1.32
MLV45	Ilm 1	0.00	42.9	0.45	0.39	0.04	51.8	0.52	2.24	0.07	98.3	23.1	31.0	100.6	0.2	0.7	0.08	0.01
MLV45	Ilm 2	0.00	43.4	0.16	0.40	0.01	51.3	0.60	2.21	0.03	97.9	20.8	32.6	100.0	0.2	0.7	0.08	0.01
MLV45	Ilm 3	0.12	42.6	0.20	0.31	0.01	51.5	0.57	2.33	0.24	97.9	22.1	31.7	100.1	0.2	0.7	0.09	0.01
MLV45	Ilm 4	0.08	42.6	0.56	0.33	0.00	51.3	0.57	2.26	0.20	97.8	23.6	30.0	100.1	0.2	0.7	0.08	0.01
MLV45	Ilm 5	0.13	42.8	0.38	0.32	0.01	52.0	0.56	2.17	0.12	98.5	22.8	31.5	100.8	0.2	0.7	0.08	0.01
MLV45	Ilm 6	0.02	42.6	0.38	0.36	0.02	51.4	0.55	2.24	0.16	97.7	22.9	30.8	100.0	0.2	0.7	0.08	0.01
MLV45	Ilm 7	0.18	42.3	0.22	0.36	0.03	51.3	0.54	2.27	0.01	96.9	22.4	31.2	99.1	0.2	0.7	0.09	0.01
MLV45	Ilm 8	0.07	42.3	0.53	0.39	0.04	51.2	0.58	2.23	0.18	97.5	23.6	29.9	99.8	0.2	0.7	0.08	0.01
MLV45	Ilm 9	0.06	43.1	0.62	0.36	0.04	51.4	0.63	2.16	0.16	98.4	23.4	30.3	100.7	0.2	0.7	0.08	0.01
MLV45	Ilm 10	0.08	42.6	0.27	0.32	0.05	51.5	0.65	2.13	0.18	97.8	22.1	31.6	100.0	0.2	0.7	0.08	0.01
MLV45	Ilm 11	0.14	43.0	0.36	0.34	0.05	51.2	0.62	2.25	0.07	98.0	21.8	31.6	100.2	0.2	0.7	0.08	0.01
MLV45	Ilm 12	0.08	42.7	0.58	0.29	0.06	52.1	0.62	2.23	0.16	98.8	24.1	30.4	101.2	0.2	0.7	0.08	0.01
MLV45	Ilm 13	0.07	41.9	0.36	0.33	0.04	51.3	0.61	2.16	0.28	97.1	23.2	30.5	99.4	0.2	0.7	0.08	0.01
MLV45	Ilm 14	0.11	43.0	0.48	0.32	0.05	51.5	0.62	2.22	0.08	98.4	22.5	31.2	100.6	0.2	0.7	0.08	0.01

Table 4A: Plagioclase Compositions

Sample	#	Dist (μm)	SiO_2	Al_2O_3	Fe_2O_3	CaO	BaO	Na_2O	K_2O	sum	mol% An	mol% Ab	mol% Or
TEQ21	1	0	65.5	20.9	0.16	1.93	0.29	8.55	3.09	100	9.2	73.4	17.4
TEQ21	1	30	63.9	21.2	0.19	2.14	0.24	8.44	2.99	99	10.2	72.8	17.0
TEQ21	1	91	65.0	20.4	0.27	1.94	0.38	8.25	3.25	100	9.4	72.0	18.7
TEQ21	1	121	65.4	21.0	0.33	2.32	0.32	8.67	3.42	101	10.5	71.1	18.5
TEQ21	1	151	64.9	21.0	0.26	2.16	0.12	8.39	3.38	100	10.1	71.0	18.8
TEQ21	1	212	65.2	21.1	0.32	2.09	0.33	8.43	3.33	101	9.8	71.6	18.6
TEQ21	1	242	66.1	20.8	0.23	1.68	0.23	8.67	3.33	101	7.9	73.5	18.6
TEQ21	1	303	65.6	21.0	0.19	1.83	0.24	8.33	3.47	101	8.7	71.7	19.7
TEQ21	1	333	64.9	20.8	0.21	1.81	0.08	8.16	3.74	100	8.6	70.2	21.2
TEQ21	1	363	64.5	20.5	0.20	1.54	0.08	8.08	3.93	99	7.4	70.2	22.5
TEQ21	1	393	65.9	20.8	0.18	1.70	0.24	8.22	3.79	101	8.1	70.5	21.4
TEQ21	1	424	65.3	20.8	0.22	2.22	0.17	8.48	3.37	100	10.3	71.1	18.6
TEQ21	1	454	64.7	20.8	0.22	1.98	0.20	8.65	2.72	99	9.5	75.0	15.5
TEQ21	1	484	65.9	20.8	0.24	2.40	0.02	8.71	2.95	101	11.1	72.7	16.2
TEQ21	2	0	68.9	18.5	0.47	1.41	0.15	7.35	3.89	101	7.3	68.7	23.9
TEQ21	2	16	65.4	20.5	0.20	1.95	0.30	8.33	3.55	100	9.2	71.0	19.9
TEQ21	2	31	65.5	20.5	0.36	1.58	0.24	8.26	3.72	100	7.6	71.3	21.1
TEQ21	2	63	66.2	21.0	0.30	1.61	0.33	8.19	3.59	101	7.8	71.6	20.6
TEQ21	2	79	65.2	21.2	0.33	1.65	0.50	8.16	3.76	101	7.9	70.7	21.5
TEQ21	2	94	65.2	20.9	0.27	1.83	0.27	8.41	3.76	101	8.5	70.7	20.8
TEQ21	2	110	65.3	20.7	0.25	1.78	0.47	8.31	3.77	101	8.4	70.6	21.1
TEQ21	2	126	65.3	21.2	0.25	1.88	0.21	8.33	3.71	101	8.8	70.6	20.7
TEQ21	2	142	65.8	20.5	0.24	1.74	0.15	8.51	3.43	101	8.2	72.6	19.2
TEQ21	2	157	69.0	17.6	0.76	1.09	0.05	6.92	4.08	100	5.9	67.8	26.3
TEQ21	3	0	67.1	19.8	0.29	1.47	0.14	7.95	3.90	101	7.2	70.2	22.7
TEQ21	3	25	65.8	20.6	0.36	1.53	0.14	8.27	4.04	101	7.2	70.2	22.6
TEQ21	3	50	65.7	20.5	0.29	1.96	0.11	8.22	3.50	100	9.3	70.9	19.8
TEQ21	3	75	65.4	21.1	0.17	1.88	0.17	8.48	3.60	101	8.7	71.3	19.9
TEQ21	3	101	65.2	20.7	0.21	1.94	0.00	8.49	3.34	100	9.1	72.2	18.7
TEQ21	3	126	65.9	20.5	0.21	1.91	0.03	8.40	3.57	101	8.9	71.2	19.9
TEQ21	3	151	66.0	20.0	0.22	1.61	0.27	8.10	3.69	100	7.8	71.0	21.3
TEQ21	3	176	65.8	20.7	0.34	1.76	0.29	8.03	3.99	101	8.4	69.1	22.6
TEQ21	3	201	66.3	19.7	0.28	1.42	0.21	7.67	4.21	100	7.0	68.4	24.7
TEQ21	3	226	65.9	20.3	0.22	1.53	0.47	8.29	3.82	101	7.3	71.2	21.6
TEQ21	3	251	66.0	20.3	0.24	1.52	0.38	8.35	3.64	100	7.3	72.1	20.7
TEQ21	3	302	64.0	20.6	0.28	1.64	0.35	7.88	3.92	99	8.0	69.3	22.7
TEQ21	3	327	64.7	20.4	0.27	1.53	0.24	8.32	3.56	99	7.3	72.3	20.3
TEQ21	3	352	65.8	20.5	0.28	1.91	0.41	8.15	3.48	100	9.2	70.9	19.9
TEQ21	3	377	66.1	21.2	0.24	1.78	0.33	8.51	3.54	102	8.3	72.0	19.7
TEQ21	3	427	65.9	20.9	0.30	1.82	0.27	8.18	3.85	101	8.6	69.8	21.6
TEQ21	3	452	65.5	21.0	0.25	2.07	0.12	8.23	3.69	101	9.7	69.8	20.5
TEQ21	3	478	65.6	20.7	0.21	1.97	0.20	8.33	3.41	101	9.3	71.4	19.3
TEQ21	3	503	64.8	20.9	0.18	1.81	0.29	8.27	3.56	100	8.6	71.2	20.2
TEQ21	3	528	65.5	20.1	0.24	2.05	0.27	8.23	3.34	100	9.8	71.2	19.0
TEQ21	3	553	65.6	20.8	0.25	1.83	0.17	8.32	3.43	100	8.7	71.8	19.5
TEQ21	3	578	65.5	20.9	0.20	2.12	0.14	8.36	3.14	100	10.1	72.1	17.8
TEQ21	3	603	65.8	20.5	0.19	1.55	0.35	8.22	4.01	101	7.3	70.1	22.5
TEQ21	4	0	66.7	20.4	0.21	1.93	0.21	8.56	3.21	101	9.1	72.9	18.0
TEQ21	4	25	65.5	20.9	0.15	2.04	0.08	8.56	3.41	101	9.4	71.7	18.8
TEQ21	4	49	64.5	20.8	0.09	2.08	0.20	8.45	3.50	100	9.7	71.0	19.3
TEQ21	4	74	66.2	20.8	0.15	1.95	0.18	8.23	3.56	101	9.3	70.6	20.1
TEQ21	4	99	65.6	20.4	0.15	1.53	0.24	8.52	3.90	100	7.1	71.4	21.5
TEQ21	4	124	65.6	20.3	0.10	1.65	0.47	7.97	3.72	100	8.0	70.4	21.6
TEQ21	4	173	65.3	20.3	0.17	1.66	0.45	8.11	3.53	100	8.1	71.4	20.5
TEQ21	4	198	66.1	20.7	0.22	1.55	0.26	8.30	3.79	101	7.3	71.2	21.4
TEQ21	4	222	66.1	20.3	0.10	1.43	0.32	8.18	4.16	100	6.8	69.8	23.4
TEQ21	4	247	65.9	20.5	0.16	1.64	0.12	8.18	4.30	101	7.6	68.7	23.7
TEQ21	4	272	65.8	20.5	0.25	1.53	0.33	8.04	4.24	101	7.2	68.9	23.9
TEQ21	4	321	65.4	20.5	0.18	2.01	0.30	8.22	3.86	100	9.3	69.3	21.4
TEQ21	4	346	65.8	21.0	0.20	1.50	0.32	8.23	3.70	101	7.2	71.6	21.2

TEQ21	4	371	65.5	20.6	0.26	1.77	0.23	8.16	3.88	101	8.4	69.8	21.8
TEQ21	4	395	65.4	20.5	0.26	1.66	0.24	8.29	3.79	100	7.8	70.9	21.3
TEQ21	4	420	65.3	20.3	0.18	1.65	0.18	8.15	3.97	100	7.8	69.8	22.4
TEQ21	5	0	65.2	20.7	0.25	2.16	0.15	8.61	3.14	100	10.1	72.5	17.4
TEQ21	5	15	65.4	20.8	0.24	1.95	0.48	8.59	3.07	100	9.2	73.5	17.3
TEQ21	5	30	65.5	21.2	0.22	2.19	0.26	8.52	3.02	101	10.3	72.7	17.0
TEQ21	5	46	65.5	20.9	0.22	2.01	0.35	8.32	3.27	101	9.6	71.8	18.6
TEQ21	5	61	65.6	20.9	0.17	2.19	0.50	8.34	3.08	101	10.4	72.1	17.5
TEQ21	5	76	65.4	21.0	0.15	1.90	0.54	8.21	3.44	101	9.1	71.3	19.6
TEQ21	5	91	65.4	20.5	0.21	2.12	0.48	8.34	3.21	100	10.1	71.7	18.2
TEQ21	5	106	65.6	20.9	0.28	1.61	0.39	8.32	3.40	100	7.8	72.7	19.6
TEQ21	5	121	63.8	20.0	0.20	1.66	0.30	8.11	3.59	98	8.1	71.2	20.7
TEQ21	5	137	65.3	21.2	0.17	1.87	0.24	8.34	3.68	101	8.8	70.7	20.5
TEQ21	5	152	65.9	20.9	0.30	1.69	0.45	8.30	3.44	101	8.1	72.2	19.7
TEQ21	5	167	66.4	20.2	0.26	1.54	0.35	7.80	3.69	100	7.7	70.4	21.9
TEQ21	5	182	65.5	20.5	0.18	1.85	0.27	8.21	3.56	100	8.8	70.9	20.2
TEQ21	5	197	65.4	20.7	0.18	1.53	0.39	8.01	3.68	100	7.5	71.0	21.5
TEQ21	5	213	65.7	20.5	0.19	1.68	0.30	8.30	3.72	100	8.0	71.1	20.9
TEQ21	5	228	64.9	20.6	0.20	1.75	0.30	8.42	3.71	100	8.2	71.2	20.6
TEQ21	5	243	65.5	20.6	0.26	1.79	0.41	8.14	3.94	100	8.4	69.4	22.1
TEQ21	5	258	65.5	19.9	0.20	1.52	0.41	8.00	4.15	100	7.3	69.2	23.6
TEQ21	5	273	65.7	20.7	0.15	1.57	0.39	8.13	4.25	101	7.4	68.9	23.7
TEQ21	5	288	65.8	20.9	0.17	1.60	0.38	8.24	4.01	101	7.5	70.1	22.4
TEQ21	6	16	68.7	19.0	0.33	1.42	0.35	8.02	3.68	101	7.0	71.5	21.6
TEQ21	6	48	65.9	20.4	0.23	1.69	0.45	7.92	3.83	100	8.2	69.6	22.2
TEQ21	6	63	64.7	20.3	0.23	1.53	0.42	7.87	3.96	99	7.5	69.5	23.0
TEQ21	6	79	64.1	20.7	0.26	1.86	0.32	8.03	3.41	99	9.1	71.1	19.8
TEQ21	6	95	65.4	21.1	0.29	2.00	0.14	8.14	3.55	101	9.5	70.3	20.2
TEQ21	6	111	65.4	21.0	0.32	1.97	0.41	8.57	3.22	101	9.2	72.8	18.0
TEQ21	6	143	66.5	20.7	0.16	2.23	0.35	8.14	3.14	101	10.8	71.2	18.0
TEQ21	6	159	65.7	20.8	0.22	1.93	0.26	8.20	3.22	100	9.4	72.0	18.6
TEQ21	6	175	65.6	20.9	0.17	2.04	0.33	8.28	3.33	101	9.7	71.4	18.9
TEQ21	6	190	65.2	21.3	0.19	2.17	0.42	8.28	3.48	101	10.2	70.3	19.5
TEQ21	6	206	65.5	21.2	0.21	2.20	0.35	8.24	2.83	101	10.7	72.8	16.5
TEQ21	6	222	65.1	21.6	0.15	2.25	0.48	8.38	3.09	101	10.7	71.9	17.4
TEQ21	6	238	65.5	21.3	0.25	2.39	0.35	8.24	3.17	101	11.3	70.8	17.9
TEQ21	6	254	65.6	21.2	0.23	2.00	0.32	8.43	3.27	101	9.5	72.1	18.4
TEQ21	6	270	66.2	20.9	0.26	1.74	0.26	8.26	3.33	101	8.4	72.4	19.2
TEQ21	6	301	65.2	21.2	0.36	1.74	0.23	8.32	3.64	101	8.2	71.2	20.5
TEQ21	6	317	66.1	20.8	0.24	1.93	0.15	8.22	3.06	100	9.4	72.8	17.8
TEQ21	6	349	65.1	21.1	0.27	2.02	0.29	8.51	3.44	101	9.4	71.6	19.1
TEQ21	6	381	66.9	20.1	0.47	1.86	0.29	8.04	3.22	101	9.2	71.9	18.9
TEQ21	7	16	66.2	19.7	0.38	1.70	0.35	8.10	3.42	100	8.3	71.7	20.0
TEQ21	7	31	64.8	20.8	0.26	1.77	0.39	8.10	3.50	100	8.6	71.2	20.2
TEQ21	7	46	65.8	20.6	0.18	1.75	0.48	8.14	3.59	101	8.4	71.0	20.6
TEQ21	7	62	65.7	21.1	0.20	1.78	0.29	8.34	3.66	101	8.4	71.1	20.5
TEQ21	7	77	65.1	20.7	0.12	1.66	0.30	8.20	3.66	100	8.0	71.1	20.9
TEQ21	7	93	66.1	20.3	0.18	1.65	0.18	8.23	3.62	100	7.9	71.4	20.7
TEQ21	7	108	66.0	20.7	0.29	1.93	0.26	7.92	3.47	101	9.4	70.3	20.3
TEQ21	7	124	65.7	20.5	0.15	1.84	0.29	8.26	3.55	101	8.8	71.1	20.1
TEQ21	7	139	65.6	20.5	0.13	1.79	0.20	8.23	3.61	100	8.6	71.0	20.5
TEQ21	7	155	65.6	20.7	0.17	1.91	0.32	8.30	3.75	101	8.9	70.2	20.9
TEQ21	7	170	65.6	20.4	0.15	1.90	0.35	8.20	3.60	100	9.0	70.6	20.4
TEQ21	7	186	65.6	20.9	0.08	1.98	0.30	8.18	3.73	101	9.3	69.7	20.9
TEQ21	7	201	64.7	20.7	0.21	1.84	0.30	8.17	3.40	99	8.9	71.5	19.6
TEQ21	7	217	65.0	20.8	0.30	1.89	0.51	8.31	3.29	100	9.1	72.1	18.8
TEQ21	7	232	65.5	21.0	0.23	1.82	0.36	8.37	3.51	101	8.6	71.6	19.7
TEQ21	7	263	65.1	21.1	0.27	1.92	0.42	8.44	3.51	101	9.0	71.4	19.6
TEQ21	7	279	65.8	20.9	0.20	1.76	0.50	8.34	3.58	101	8.3	71.5	20.2
TEQ21	7	294	65.4	21.0	0.18	1.70	0.24	8.14	3.72	100	8.2	70.6	21.2
TEQ21	7	310	65.4	20.5	0.18	1.91	0.36	8.43	3.72	101	8.8	70.7	20.5
TEQ21	7	325	65.5	20.5	0.14	1.69	0.44	8.28	3.68	100	8.0	71.2	20.8
TEQ21	7	341	65.6	20.6	0.14	1.64	0.26	8.08	3.34	100	8.1	72.2	19.7
TEQ21	7	356	65.9	20.1	0.29	1.54	0.33	8.02	3.69	100	7.5	71.0	21.5

TEQ21	8	0	64.7	21.6	0.24	2.65	0.48	8.34	2.59	101	12.7	72.5	14.8
TEQ21	8	40	65.1	21.1	0.31	2.47	0.44	8.16	2.60	100	12.1	72.7	15.2
TEQ21	8	60	64.8	21.9	0.27	2.68	0.32	8.66	2.53	101	12.5	73.4	14.1
TEQ21	8	80	65.3	21.4	0.21	2.61	0.38	8.65	2.33	101	12.4	74.4	13.2
TEQ21	8	101	65.3	21.5	0.18	2.47	0.24	8.39	2.71	101	11.8	72.7	15.5
TEQ21	8	121	65.4	20.8	0.25	2.43	0.17	8.45	2.55	100	11.7	73.7	14.6
TEQ21	8	141	64.3	22.1	0.29	2.71	0.14	8.80	2.06	100	12.8	75.5	11.6
TEQ21	8	161	64.8	21.9	0.23	2.89	0.29	8.69	1.95	101	13.8	75.1	11.1
TEQ21	8	181	64.1	21.6	0.25	3.07	0.11	8.53	2.04	100	14.6	73.7	11.6
TEQ21	8	201	64.9	21.1	0.31	2.79	0.20	8.91	2.17	101	13.0	75.0	12.0
TEQ21	8	221	64.2	21.6	0.36	2.90	0.06	8.68	2.07	100	13.8	74.5	11.7
TEQ21	8	261	64.7	21.8	0.26	2.71	0.14	8.91	2.22	101	12.6	75.1	12.3
TEQ21	8	281	65.4	21.5	0.28	2.58	0.15	8.90	2.24	101	12.1	75.4	12.5
TEQ21	8	302	64.8	21.6	0.23	2.78	0.29	8.75	2.03	100	13.2	75.3	11.5
TEQ21	8	322	65.3	20.3	0.24	2.24	0.23	8.44	2.94	100	10.6	72.7	16.7
TEQ21	8	342	65.2	20.8	0.15	1.86	0.21	8.12	3.54	100	8.9	70.7	20.3
TEQ21	8	362	66.1	20.4	0.26	2.00	0.59	8.16	3.79	101	9.4	69.4	21.2
TEQ21	8	382	65.4	20.8	0.19	2.02	0.47	8.35	3.23	100	9.6	72.1	18.3
TEQ21	8	402	66.0	20.9	0.23	1.92	0.60	8.18	3.33	101	9.3	71.5	19.2
TEQ21	8	422	65.3	21.0	0.21	2.08	0.42	8.48	3.35	101	9.7	71.7	18.6
TEQ21	8	442	64.3	20.8	0.21	2.07	0.21	8.02	3.13	99	10.2	71.5	18.3
TEQ21	8	462	65.7	21.2	0.19	2.15	0.32	8.28	3.55	101	10.1	70.1	19.8
TEQ21	8	483	65.0	20.6	0.33	2.15	0.29	8.31	2.92	100	10.4	72.8	16.8
TEQ21	8	503	65.2	20.6	0.15	2.23	0.30	8.53	3.03	100	10.5	72.6	17.0
TEQ21	8	523	65.7	20.9	0.22	1.91	0.33	8.28	3.22	101	9.2	72.3	18.5
TEQ21	9	0	68.8	19.0	0.40	1.47	0.15	7.50	3.66	101	7.6	70.0	22.4
TEQ21	9	16	65.3	21.1	0.14	1.94	0.24	8.45	3.23	100	9.2	72.6	18.2
TEQ21	9	31	66.0	20.5	0.20	1.98	0.45	8.43	3.25	101	9.4	72.3	18.3
TEQ21	9	47	65.8	20.8	0.24	1.83	0.27	8.22	3.46	101	8.8	71.4	19.8
TEQ21	9	62	65.7	21.2	0.23	1.92	0.36	8.37	3.55	101	9.0	71.2	19.8
TEQ21	9	78	65.4	20.6	0.21	1.89	0.17	8.32	3.72	100	8.8	70.4	20.7
TEQ21	9	93	64.8	20.4	0.22	1.63	0.30	8.07	3.82	99	7.9	70.2	21.9
TEQ21	9	109	66.0	20.2	0.18	1.31	0.42	8.16	4.18	100	6.2	70.2	23.6
TEQ21	9	124	66.6	19.4	0.35	1.21	0.36	7.29	4.59	100	6.1	66.4	27.5
TEQ21	9	140	66.2	19.6	0.39	1.33	0.45	7.74	4.66	100	6.4	67.1	26.5
TEQ21	9	155	65.7	20.4	0.26	1.56	0.32	8.24	4.21	101	7.3	69.4	23.3
TEQ21	9	171	65.2	20.7	0.18	1.82	0.53	8.24	3.87	100	8.5	69.9	21.6
TEQ21	9	186	65.3	20.4	0.24	1.62	0.36	8.35	3.77	100	7.6	71.2	21.1
TEQ21	9	202	65.3	20.4	0.28	1.70	0.30	8.34	3.75	100	8.0	71.0	21.0
TEQ21	9	217	66.1	20.6	0.19	1.72	0.20	8.24	3.72	101	8.2	70.8	21.0
TEQ21	9	233	65.3	20.7	0.19	1.97	0.35	8.12	3.62	100	9.4	70.0	20.6
TEQ21	9	248	65.0	20.7	0.25	2.08	0.35	8.50	3.60	101	9.6	70.7	19.7
TEQ21	9	264	65.1	20.9	0.11	2.03	0.32	8.32	3.28	100	9.7	71.7	18.6
TEQ21	9	279	64.7	20.4	0.14	1.93	0.36	8.44	3.31	99	9.1	72.2	18.6
TEQ21	9	295	65.1	20.8	0.15	2.04	0.39	8.31	3.52	100	9.6	70.7	19.7
TEQ21	9	310	65.7	20.5	0.16	1.82	0.33	8.19	3.48	100	8.7	71.3	19.9
TEQ21	9	326	65.5	20.7	0.14	1.95	0.30	8.10	3.48	100	9.4	70.6	20.0
TEQ21	9	341	64.9	20.4	0.17	1.80	0.41	8.02	3.63	99	8.7	70.3	21.0
TEQ21	9	357	64.8	20.6	0.13	1.52	0.33	7.86	4.01	99	7.4	69.3	23.3
TEQ21	9	372	65.7	20.6	0.18	1.52	0.27	8.28	4.07	101	7.1	70.2	22.7
TEQ21	9	388	64.7	20.5	0.23	1.51	0.35	7.78	3.79	99	7.5	70.0	22.4
TEQ21	9	403	64.7	20.2	0.23	1.48	0.38	7.89	4.15	99	7.1	69.0	23.9
TEQ21	9	419	65.4	20.2	0.27	1.58	0.38	8.13	3.89	100	7.6	70.3	22.1
TEQ21	9	435	65.7	20.7	0.24	1.65	0.26	7.81	4.20	101	7.9	68.0	24.1
TEQ21	9	450	65.9	20.3	0.14	1.53	0.41	8.01	3.94	100	7.4	70.0	22.6
TEQ21	9	466	65.9	20.2	0.11	1.55	0.35	8.00	3.90	100	7.5	70.0	22.5
TEQ21	9	481	65.8	20.3	0.20	1.71	0.21	8.19	3.67	100	8.2	70.9	20.9
TEQ21	9	497	65.3	20.7	0.20	1.78	0.39	8.21	3.74	101	8.4	70.4	21.1
TEQ21	9	512	65.4	20.4	0.20	1.73	0.53	8.29	3.76	101	8.2	70.7	21.1
TEQ21	9	528	65.4	20.7	0.23	1.84	0.57	8.21	3.83	101	8.6	69.9	21.5
TEQ21	9	543	64.7	21.0	0.24	1.86	0.60	8.38	3.58	101	8.7	71.2	20.0
TEQ21	9	559	65.3	20.6	0.28	1.92	0.54	8.35	3.57	101	9.0	71.0	20.0
TEQ21	9	574	65.3	20.5	0.18	1.74	0.36	7.96	3.58	100	8.5	70.6	20.9
TEQ21	9	590	65.7	20.4	0.17	1.83	0.21	8.13	3.75	100	8.7	70.0	21.2

TEQ21	9	605	63.7	20.1	0.22	1.76	0.35	8.09	3.78	98	8.4	70.0	21.5
TEQ21	10	0	66.1	20.6	0.14	1.77	0.33	8.52	3.49	101	8.3	72.3	19.5
TEQ21	10	15	65.9	20.6	0.28	1.86	0.36	8.16	3.37	100	9.0	71.6	19.4
TEQ21	10	30	65.9	20.8	0.22	1.97	0.39	8.44	3.34	101	9.3	72.0	18.7
TEQ21	10	45	64.6	21.3	0.21	1.91	0.29	8.40	3.16	100	9.1	72.8	18.0
TEQ21	10	61	64.3	20.4	0.22	1.88	0.29	8.37	3.44	99	8.9	71.7	19.4
TEQ21	10	76	65.5	21.0	0.18	1.80	0.24	8.12	3.51	100	8.7	71.1	20.2
TEQ21	10	91	64.8	20.5	0.21	1.82	0.46	8.13	3.54	99	8.8	70.9	20.3
TEQ21	10	106	65.9	20.6	0.21	1.54	0.35	8.24	3.71	101	7.4	71.4	21.2
TEQ21	10	121	65.7	20.7	0.20	1.51	0.33	8.10	4.24	101	7.1	69.1	23.8
TEQ21	10	136	66.0	20.5	0.17	1.48	0.20	8.18	4.09	101	7.0	70.0	23.0
TEQ21	10	152	66.1	20.2	0.21	1.39	0.33	8.00	4.25	100	6.6	69.2	24.2
TEQ21	10	167	66.3	20.4	0.17	1.79	0.35	8.18	3.91	101	8.4	69.7	21.9
TEQ21	10	182	66.0	20.6	0.17	1.62	0.26	8.22	3.45	100	7.8	72.2	20.0
TEQ21	10	197	65.5	20.7	0.10	1.56	0.36	8.23	3.61	100	7.5	71.8	20.7
TEQ21	10	212	65.7	20.8	0.15	1.90	0.46	8.21	3.48	101	9.1	71.1	19.9
TEQ21	10	227	65.8	21.0	0.24	1.90	0.30	8.23	3.58	101	9.0	70.7	20.2
TEQ21	10	243	65.6	21.1	0.15	1.99	0.24	8.36	3.57	101	9.3	70.8	19.9
TEQ21	10	258	65.7	20.6	0.24	1.86	0.29	8.30	3.54	101	8.8	71.2	20.0
TEQ21	10	273	65.6	20.2	0.13	1.76	0.29	8.16	3.70	100	8.4	70.5	21.0
TEQ21	10	303	65.6	20.7	0.24	1.71	0.34	8.04	3.77	101	8.2	70.1	21.6
TEQ21	10	318	66.4	20.1	0.22	1.67	0.34	8.10	3.83	101	8.0	70.2	21.8
TEQ21	11	15	66.0	20.1	0.22	1.76	0.24	8.32	3.25	100	8.5	72.8	18.7
TEQ21	11	31	65.5	20.4	0.23	1.90	0.09	8.34	3.42	100	9.0	71.7	19.3
TEQ21	11	46	65.3	20.7	0.17	1.94	0.08	8.34	3.24	100	9.3	72.3	18.5
TEQ21	11	62	65.8	20.8	0.19	2.01	0.24	8.47	3.31	101	9.5	72.1	18.5
TEQ21	11	77	64.6	21.2	0.12	1.75	0.38	8.23	3.21	100	8.5	72.8	18.7
TEQ21	11	93	65.9	20.6	0.13	1.96	0.32	8.44	3.42	101	9.2	71.7	19.1
TEQ21	11	108	64.7	20.7	0.15	2.03	0.20	8.72	3.44	100	9.3	72.0	18.7
TEQ21	11	123	64.5	20.9	0.27	1.94	0.39	8.34	3.55	100	9.1	71.0	19.9
TEQ21	11	154	65.1	20.6	0.22	1.95	0.27	8.41	3.38	100	9.2	71.8	19.0
TEQ21	11	170	65.5	21.3	0.21	2.08	0.24	8.30	3.42	101	9.8	71.0	19.2
TEQ21	11	185	64.5	20.9	0.28	1.96	0.15	8.27	3.45	99	9.3	71.2	19.5
TEQ21	11	201	64.9	20.8	0.21	1.98	0.21	8.19	3.45	100	9.5	70.9	19.7
TEQ21	11	216	65.4	20.8	0.24	1.92	0.21	8.35	3.69	100	8.9	70.6	20.5
TEQ21	11	231	65.5	20.8	0.26	1.75	0.18	8.18	3.91	100	8.3	69.8	21.9
TEQ21	11	247	65.2	20.5	0.17	1.80	0.44	8.05	3.82	100	8.6	69.6	21.7
TEQ21	11	262	64.9	20.7	0.25	1.77	0.08	8.14	3.83	100	8.4	70.0	21.7
TEQ21	11	278	65.7	20.9	0.26	1.84	0.42	8.11	4.11	101	8.6	68.5	22.9
TEQ21	11	293	65.1	20.4	0.24	1.67	0.35	8.17	3.85	100	7.9	70.3	21.8
TEQ21	11	309	65.6	20.7	0.20	1.61	0.39	8.08	4.14	101	7.6	69.1	23.3
TEQ21	11	324	65.9	20.7	0.24	1.65	0.26	8.24	4.05	101	7.7	69.7	22.5
TEQ21	11	370	65.2	20.6	0.29	1.47	0.32	8.13	3.82	100	7.1	71.0	21.9
TEQ21	11	386	66.5	20.6	0.22	1.59	0.42	8.17	3.90	101	7.6	70.3	22.1
TEQ21	11	401	65.9	20.7	0.21	1.69	0.39	7.81	3.93	101	8.2	68.9	22.8
TEQ21	11	432	66.2	20.9	0.26	1.49	0.33	8.28	3.97	102	7.0	70.7	22.3
TEQ21	11	447	65.8	20.7	0.26	1.43	0.27	8.22	3.69	100	6.9	71.9	21.2
TEQ21	12	0	65.5	20.9	0.16	1.93	0.29	8.55	3.09	100	9.2	73.4	17.4
TEQ21	12	30	63.9	21.2	0.19	2.14	0.24	8.44	2.99	99	10.2	72.8	17.0
TEQ21	12	91	65.0	20.4	0.27	1.94	0.38	8.25	3.25	100	9.4	72.0	18.7
TEQ21	12	121	65.4	21.0	0.33	2.32	0.32	8.67	3.42	101	10.5	71.1	18.5
TEQ21	12	151	64.9	21.0	0.26	2.16	0.12	8.39	3.38	100	10.1	71.0	18.8
TEQ21	12	182	62.7	19.9	0.31	1.89	0.14	8.43	2.70	96	9.3	74.9	15.8
TEQ21	12	212	65.2	21.1	0.32	2.09	0.33	8.43	3.33	101	9.8	71.6	18.6
TEQ21	12	242	66.1	20.8	0.23	1.68	0.23	8.67	3.33	101	7.9	73.5	18.6
TEQ21	12	272	63.4	20.7	0.25	1.67	0.21	7.79	3.67	98	8.3	70.0	21.7
TEQ21	12	303	65.6	21.0	0.19	1.83	0.24	8.33	3.47	101	8.7	71.7	19.7
TEQ21	12	333	64.9	20.8	0.21	1.81	0.08	8.16	3.74	100	8.6	70.2	21.2
TEQ21	12	363	64.5	20.5	0.20	1.54	0.08	8.08	3.93	99	7.4	70.2	22.5
TEQ21	12	393	65.9	20.8	0.18	1.70	0.24	8.22	3.79	101	8.1	70.5	21.4
TEQ21	12	424	65.3	20.8	0.22	2.22	0.17	8.48	3.37	100	10.3	71.1	18.6
TEQ21	12	454	64.7	20.8	0.22	1.98	0.20	8.65	2.72	99	9.5	75.0	15.5
TEQ21	12	484	65.9	20.8	0.24	2.40	0.02	8.71	2.95	101	11.1	72.7	16.2
TEQ21	13	0	68.9	18.5	0.47	1.41	0.15	7.35	3.89	101	7.3	68.7	23.9

TEQ21	13	16	65.4	20.5	0.20	1.95	0.30	8.33	3.55	100	9.2	71.0	19.9
TEQ21	13	31	65.5	20.5	0.36	1.58	0.24	8.26	3.72	100	7.6	71.3	21.1
TEQ21	13	47	66.6	21.1	0.25	1.54	0.18	8.30	3.76	102	7.3	71.4	21.3
TEQ21	13	63	66.2	21.0	0.30	1.61	0.33	8.19	3.59	101	7.8	71.6	20.6
TEQ21	13	79	65.2	21.2	0.33	1.65	0.50	8.16	3.76	101	7.9	70.7	21.5
TEQ21	13	94	65.2	20.9	0.27	1.83	0.27	8.41	3.76	101	8.5	70.7	20.8
TEQ21	13	110	65.3	20.7	0.25	1.78	0.47	8.31	3.77	101	8.4	70.6	21.1
TEQ21	13	126	65.3	21.2	0.25	1.88	0.21	8.33	3.71	101	8.8	70.6	20.7
TEQ21	13	142	65.8	20.5	0.24	1.74	0.15	8.51	3.43	101	8.2	72.6	19.2
TEQ21	13	157	69.0	17.6	0.76	1.09	0.05	6.92	4.08	100	5.9	67.8	26.3
TEQ21	14	0	67.1	19.8	0.29	1.47	0.14	7.95	3.90	101	7.2	70.2	22.7
TEQ21	14	25	65.8	20.6	0.36	1.53	0.14	8.27	4.04	101	7.2	70.2	22.6
TEQ21	14	50	65.7	20.5	0.29	1.96	0.11	8.22	3.50	100	9.3	70.9	19.8
TEQ21	14	75	65.4	21.1	0.17	1.88	0.17	8.48	3.60	101	8.7	71.3	19.9
TEQ21	14	101	65.2	20.7	0.21	1.94	0.00	8.49	3.34	100	9.1	72.2	18.7
TEQ21	14	126	65.9	20.5	0.21	1.91	0.03	8.40	3.57	101	8.9	71.2	19.9
TEQ21	14	151	66.0	20.0	0.22	1.61	0.27	8.10	3.69	100	7.8	71.0	21.3
TEQ21	14	176	65.8	20.7	0.34	1.76	0.29	8.03	3.99	101	8.4	69.1	22.6
TEQ21	14	201	66.3	19.7	0.28	1.42	0.21	7.67	4.21	100	7.0	68.4	24.7
TEQ21	14	226	65.9	20.3	0.22	1.53	0.47	8.29	3.82	101	7.3	71.2	21.6
TEQ21	14	251	66.0	20.3	0.24	1.52	0.38	8.35	3.64	100	7.3	72.1	20.7
TEQ21	14	302	64.0	20.6	0.28	1.64	0.35	7.88	3.92	99	8.0	69.3	22.7
TEQ21	14	327	64.7	20.4	0.27	1.53	0.24	8.32	3.56	99	7.3	72.3	20.3
TEQ21	14	352	65.8	20.5	0.28	1.91	0.41	8.15	3.48	100	9.2	70.9	19.9
TEQ21	14	427	65.9	20.9	0.30	1.82	0.27	8.18	3.85	101	8.6	69.8	21.6
TEQ21	14	452	65.5	21.0	0.25	2.07	0.12	8.23	3.69	101	9.7	69.8	20.5
TEQ21	14	478	65.6	20.7	0.21	1.97	0.20	8.33	3.41	101	9.3	71.4	19.3
TEQ21	14	503	64.8	20.9	0.18	1.81	0.29	8.27	3.56	100	8.6	71.2	20.2
TEQ21	14	528	65.5	20.1	0.24	2.05	0.27	8.23	3.34	100	9.8	71.2	19.0
TEQ21	14	553	65.6	20.8	0.25	1.83	0.17	8.32	3.43	100	8.7	71.8	19.5
TEQ21	14	578	65.5	20.9	0.20	2.12	0.14	8.36	3.14	100	10.1	72.1	17.8
TEQ21	14	603	65.8	20.5	0.19	1.55	0.35	8.22	4.01	101	7.3	70.1	22.5
TEQ21	15	0	66.7	20.4	0.21	1.93	0.21	8.56	3.21	101	9.1	72.9	18.0
TEQ21	15	25	65.5	20.9	0.15	2.04	0.08	8.56	3.41	101	9.4	71.7	18.8
TEQ21	15	49	64.5	20.8	0.09	2.08	0.20	8.45	3.50	100	9.7	71.0	19.3
TEQ21	15	74	66.2	20.8	0.15	1.95	0.18	8.23	3.56	101	9.3	70.6	20.1
TEQ21	15	99	65.6	20.4	0.15	1.53	0.24	8.52	3.90	100	7.1	71.4	21.5
TEQ21	15	124	65.6	20.3	0.10	1.65	0.47	7.97	3.72	100	8.0	70.4	21.6
TEQ21	15	173	65.3	20.3	0.17	1.66	0.45	8.11	3.53	100	8.1	71.4	20.5
TEQ21	15	198	66.1	20.7	0.22	1.55	0.26	8.30	3.79	101	7.3	71.2	21.4
TEQ21	15	222	66.1	20.3	0.10	1.43	0.32	8.18	4.16	100	6.8	69.8	23.4
TEQ21	15	247	65.9	20.5	0.16	1.64	0.12	8.18	4.30	101	7.6	68.7	23.7
TEQ21	15	272	65.8	20.5	0.25	1.53	0.33	8.04	4.24	101	7.2	68.9	23.9
TEQ21	15	321	65.4	20.5	0.18	2.01	0.30	8.22	3.86	100	9.3	69.3	21.4
TEQ21	15	346	65.8	21.0	0.20	1.50	0.32	8.23	3.70	101	7.2	71.6	21.2
TEQ21	15	371	65.5	20.6	0.26	1.77	0.23	8.16	3.88	101	8.4	69.8	21.8
TEQ21	15	395	65.4	20.5	0.26	1.66	0.24	8.29	3.79	100	7.8	70.9	21.3
TEQ21	15	420	65.3	20.3	0.18	1.65	0.18	8.15	3.97	100	7.8	69.8	22.4
TEQ21	15	445	71.0	17.0	0.87	1.16	0.08	6.45	4.37	101	6.4	64.7	28.9
TEQ21	16	0	65.2	20.7	0.25	2.16	0.15	8.61	3.14	100	10.1	72.5	17.4
TEQ21	16	15	65.4	20.8	0.24	1.95	0.48	8.59	3.07	100	9.2	73.5	17.3
TEQ21	16	30	65.5	21.2	0.22	2.19	0.26	8.52	3.02	101	10.3	72.7	17.0
TEQ21	16	46	65.5	20.9	0.22	2.01	0.35	8.32	3.27	101	9.6	71.8	18.6
TEQ21	16	61	65.6	20.9	0.17	2.19	0.50	8.34	3.08	101	10.4	72.1	17.5
TEQ21	16	76	65.4	21.0	0.15	1.90	0.54	8.21	3.44	101	9.1	71.3	19.6
TEQ21	16	91	65.4	20.5	0.21	2.12	0.48	8.34	3.21	100	10.1	71.7	18.2
TEQ21	16	106	65.6	20.9	0.28	1.61	0.39	8.32	3.40	100	7.8	72.7	19.6
TEQ21	16	137	65.3	21.2	0.17	1.87	0.24	8.34	3.68	101	8.8	70.7	20.5
TEQ21	16	152	65.9	20.9	0.30	1.69	0.45	8.30	3.44	101	8.1	72.2	19.7
TEQ21	16	167	66.4	20.2	0.26	1.54	0.35	7.80	3.69	100	7.7	70.4	21.9
TEQ21	16	182	65.5	20.5	0.18	1.85	0.27	8.21	3.56	100	8.8	70.9	20.2
TEQ21	16	197	65.4	20.7	0.18	1.53	0.39	8.01	3.68	100	7.5	71.0	21.5
TEQ21	16	213	65.7	20.5	0.19	1.68	0.30	8.30	3.72	100	8.0	71.1	20.9
TEQ21	16	228	64.9	20.6	0.20	1.75	0.30	8.42	3.71	100	8.2	71.2	20.6

TEQ21	16	243	65.5	20.6	0.26	1.79	0.41	8.14	3.94	100	8.4	69.4	22.1
TEQ21	16	258	65.5	19.9	0.20	1.52	0.41	8.00	4.15	100	7.3	69.2	23.6
TEQ21	16	273	65.7	20.7	0.15	1.57	0.39	8.13	4.25	101	7.4	68.9	23.7
TEQ21	16	288	65.8	20.9	0.17	1.60	0.38	8.24	4.01	101	7.5	70.1	22.4
TEQ21	17	0	65.2	20.7	0.25	2.16	0.15	8.61	3.14	100	10.1	72.5	17.4
TEQ21	17	15	65.4	20.8	0.24	1.95	0.48	8.59	3.07	100	9.2	73.5	17.3
TEQ21	17	30	65.5	21.2	0.22	2.19	0.26	8.52	3.02	101	10.3	72.7	17.0
TEQ21	17	46	65.5	20.9	0.22	2.01	0.35	8.32	3.27	101	9.6	71.8	18.6
TEQ21	17	61	65.6	20.9	0.17	2.19	0.50	8.34	3.08	101	10.4	72.1	17.5
TEQ21	17	76	65.4	21.0	0.15	1.90	0.54	8.21	3.44	101	9.1	71.3	19.6
TEQ21	17	91	65.4	20.5	0.21	2.12	0.48	8.34	3.21	100	10.1	71.7	18.2
TEQ21	17	106	65.6	20.9	0.28	1.61	0.39	8.32	3.40	100	7.8	72.7	19.6
TEQ21	17	137	65.3	21.2	0.17	1.87	0.24	8.34	3.68	101	8.8	70.7	20.5
TEQ21	17	152	65.9	20.9	0.30	1.69	0.45	8.30	3.44	101	8.1	72.2	19.7
TEQ21	17	167	66.4	20.2	0.26	1.54	0.35	7.80	3.69	100	7.7	70.4	21.9
TEQ21	17	182	65.5	20.5	0.18	1.85	0.27	8.21	3.56	100	8.8	70.9	20.2
TEQ21	17	197	65.4	20.7	0.18	1.53	0.39	8.01	3.68	100	7.5	71.0	21.5
TEQ21	17	213	65.7	20.5	0.19	1.68	0.30	8.30	3.72	100	8.0	71.1	20.9
TEQ21	17	228	64.9	20.6	0.20	1.75	0.30	8.42	3.71	100	8.2	71.2	20.6
TEQ21	17	243	65.5	20.6	0.26	1.79	0.41	8.14	3.94	100	8.4	69.4	22.1
TEQ21	17	258	65.5	19.9	0.20	1.52	0.41	8.00	4.15	100	7.3	69.2	23.6
TEQ21	17	273	65.7	20.7	0.15	1.57	0.39	8.13	4.25	101	7.4	68.9	23.7
TEQ21	17	288	65.8	20.9	0.17	1.60	0.38	8.24	4.01	101	7.5	70.1	22.4
TEQ21	18	0	71.4	15.8	1.51	1.16	0.23	5.99	4.14	101	6.8	64.1	29.1
TEQ21	18	16	68.7	19.0	0.33	1.42	0.35	8.02	3.68	101	7.0	71.5	21.6
TEQ21	18	48	65.9	20.4	0.23	1.69	0.45	7.92	3.83	100	8.2	69.6	22.2
TEQ21	18	63	64.7	20.3	0.23	1.53	0.42	7.87	3.96	99	7.5	69.5	23.0
TEQ21	18	79	64.1	20.7	0.26	1.86	0.32	8.03	3.41	99	9.1	71.1	19.8
TEQ21	18	95	65.4	21.1	0.29	2.00	0.14	8.14	3.55	101	9.5	70.3	20.2
TEQ21	18	111	65.4	21.0	0.32	1.97	0.41	8.57	3.22	101	9.2	72.8	18.0
TEQ21	18	143	66.5	20.7	0.16	2.23	0.35	8.14	3.14	101	10.8	71.2	18.0
TEQ21	18	159	65.7	20.8	0.22	1.93	0.26	8.20	3.22	100	9.4	72.0	18.6
TEQ21	18	175	65.6	20.9	0.17	2.04	0.33	8.28	3.33	101	9.7	71.4	18.9
TEQ21	18	190	65.2	21.3	0.19	2.17	0.42	8.28	3.48	101	10.2	70.3	19.5
TEQ21	18	206	65.5	21.2	0.21	2.20	0.35	8.24	2.83	101	10.7	72.8	16.5
TEQ21	18	222	65.1	21.6	0.15	2.25	0.48	8.38	3.09	101	10.7	71.9	17.4
TEQ21	18	238	65.5	21.3	0.25	2.39	0.35	8.24	3.17	101	11.3	70.8	17.9
TEQ21	18	254	65.6	21.2	0.23	2.00	0.32	8.43	3.27	101	9.5	72.1	18.4
TEQ21	18	270	66.2	20.9	0.26	1.74	0.26	8.26	3.33	101	8.4	72.4	19.2
TEQ21	18	301	65.2	21.2	0.36	1.74	0.23	8.32	3.64	101	8.2	71.2	20.5
TEQ21	18	317	66.1	20.8	0.24	1.93	0.15	8.22	3.06	100	9.4	72.8	17.8
TEQ21	18	349	65.1	21.1	0.27	2.02	0.29	8.51	3.44	101	9.4	71.6	19.1
TEQ21	18	381	66.9	20.1	0.47	1.86	0.29	8.04	3.22	101	9.2	71.9	18.9
TEQ21	19	0	70.9	16.5	1.04	1.01	0.09	6.15	4.34	100	5.8	64.3	29.8
TEQ21	19	16	66.2	19.7	0.38	1.70	0.35	8.10	3.42	100	8.3	71.7	20.0
TEQ21	19	31	64.8	20.8	0.26	1.77	0.39	8.10	3.50	100	8.6	71.2	20.2
TEQ21	19	46	65.8	20.6	0.18	1.75	0.48	8.14	3.59	101	8.4	71.0	20.6
TEQ21	19	62	65.7	21.1	0.20	1.78	0.29	8.34	3.66	101	8.4	71.1	20.5
TEQ21	19	77	65.1	20.7	0.12	1.66	0.30	8.20	3.66	100	8.0	71.1	20.9
TEQ21	19	93	66.1	20.3	0.18	1.65	0.18	8.23	3.62	100	7.9	71.4	20.7
TEQ21	19	108	66.0	20.7	0.29	1.93	0.26	7.92	3.47	101	9.4	70.3	20.3
TEQ21	19	124	65.7	20.5	0.15	1.84	0.29	8.26	3.55	101	8.8	71.1	20.1
TEQ21	19	139	65.6	20.5	0.13	1.79	0.20	8.23	3.61	100	8.6	71.0	20.5
TEQ21	19	155	65.6	20.7	0.17	1.91	0.32	8.30	3.75	101	8.9	70.2	20.9
TEQ21	19	170	65.6	20.4	0.15	1.90	0.35	8.20	3.60	100	9.0	70.6	20.4
TEQ21	19	186	65.6	20.9	0.08	1.98	0.30	8.18	3.73	101	9.3	69.7	20.9
TEQ21	19	201	64.7	20.7	0.21	1.84	0.30	8.17	3.40	99	8.9	71.5	19.6
TEQ21	19	217	65.0	20.8	0.30	1.89	0.51	8.31	3.29	100	9.1	72.1	18.8
TEQ21	19	232	65.5	21.0	0.23	1.82	0.36	8.37	3.51	101	8.6	71.6	19.7
TEQ21	19	263	65.1	21.1	0.27	1.92	0.42	8.44	3.51	101	9.0	71.4	19.6
TEQ21	19	279	65.8	20.9	0.20	1.76	0.50	8.34	3.58	101	8.3	71.5	20.2
TEQ21	19	294	65.4	21.0	0.18	1.70	0.24	8.14	3.72	100	8.2	70.6	21.2
TEQ21	19	310	65.4	20.5	0.18	1.91	0.36	8.43	3.72	101	8.8	70.7	20.5
TEQ21	19	325	65.5	20.5	0.14	1.69	0.44	8.28	3.68	100	8.0	71.2	20.8

TEQ21	19	341	65.6	20.6	0.14	1.64	0.26	8.08	3.34	100	8.1	72.2	19.7
TEQ21	19	356	65.9	20.1	0.29	1.54	0.33	8.02	3.69	100	7.5	71.0	21.5
TEQ21	20	0	64.7	21.6	0.24	2.65	0.48	8.34	2.59	101	12.7	72.5	14.8
TEQ21	20	40	65.1	21.1	0.31	2.47	0.44	8.16	2.60	100	12.1	72.7	15.2
TEQ21	20	60	64.8	21.9	0.27	2.68	0.32	8.66	2.53	101	12.5	73.4	14.1
TEQ21	20	80	65.3	21.4	0.21	2.61	0.38	8.65	2.33	101	12.4	74.4	13.2
TEQ21	20	101	65.3	21.5	0.18	2.47	0.24	8.39	2.71	101	11.8	72.7	15.5
TEQ21	20	121	65.4	20.8	0.25	2.43	0.17	8.45	2.55	100	11.7	73.7	14.6
TEQ21	20	141	64.3	22.1	0.29	2.71	0.14	8.80	2.06	100	12.8	75.5	11.6
TEQ21	20	161	64.8	21.9	0.23	2.89	0.29	8.69	1.95	101	13.8	75.1	11.1
TEQ21	20	181	64.1	21.6	0.25	3.07	0.11	8.53	2.04	100	14.6	73.7	11.6
TEQ21	20	201	64.9	21.1	0.31	2.79	0.20	8.91	2.17	101	13.0	75.0	12.0
TEQ21	20	221	64.2	21.6	0.36	2.90	0.06	8.68	2.07	100	13.8	74.5	11.7
TEQ21	20	261	64.7	21.8	0.26	2.71	0.14	8.91	2.22	101	12.6	75.1	12.3
TEQ21	20	281	65.4	21.5	0.28	2.58	0.15	8.90	2.24	101	12.1	75.4	12.5
TEQ21	20	302	64.8	21.6	0.23	2.78	0.29	8.75	2.03	100	13.2	75.3	11.5
TEQ21	20	322	65.3	20.3	0.24	2.24	0.23	8.44	2.94	100	10.6	72.7	16.7
TEQ21	20	342	65.2	20.8	0.15	1.86	0.21	8.12	3.54	100	8.9	70.7	20.3
TEQ21	20	362	66.1	20.4	0.26	2.00	0.59	8.16	3.79	101	9.4	69.4	21.2
TEQ21	20	382	65.4	20.8	0.19	2.02	0.47	8.35	3.23	100	9.6	72.1	18.3
TEQ21	20	402	66.0	20.9	0.23	1.92	0.60	8.18	3.33	101	9.3	71.5	19.2
TEQ21	20	422	65.3	21.0	0.21	2.08	0.42	8.48	3.35	101	9.7	71.7	18.6
TEQ21	20	442	64.3	20.8	0.21	2.07	0.21	8.02	3.13	99	10.2	71.5	18.3
TEQ21	20	462	65.7	21.2	0.19	2.15	0.32	8.28	3.55	101	10.1	70.1	19.8
TEQ21	20	483	65.0	20.6	0.33	2.15	0.29	8.31	2.92	100	10.4	72.8	16.8
TEQ21	20	503	65.2	20.6	0.15	2.23	0.30	8.53	3.03	100	10.5	72.6	17.0
TEQ21	20	523	65.7	20.9	0.22	1.91	0.33	8.28	3.22	101	9.2	72.3	18.5
TEQ21	21	0	68.8	19.0	0.40	1.47	0.15	7.50	3.66	101	9.2	72.3	18.5
TEQ21	21	16	65.3	21.1	0.14	1.94	0.24	8.45	3.23	100	7.6	70.0	22.4
TEQ21	21	31	66.0	20.5	0.20	1.98	0.45	8.43	3.25	101	9.2	72.6	18.2
TEQ21	21	47	65.8	20.8	0.24	1.83	0.27	8.22	3.46	101	9.4	72.3	18.3
TEQ21	21	62	65.7	21.2	0.23	1.92	0.36	8.37	3.55	101	8.8	71.4	19.8
TEQ21	21	78	65.4	20.6	0.21	1.89	0.17	8.32	3.72	100	9.0	71.2	19.8
TEQ21	21	93	64.8	20.4	0.22	1.63	0.30	8.07	3.82	99	8.8	70.4	20.7
TEQ21	21	109	66.0	20.2	0.18	1.31	0.42	8.16	4.18	100	7.9	70.2	21.9
TEQ21	21	124	66.6	19.4	0.35	1.21	0.36	7.29	4.59	100	6.2	70.2	23.6
TEQ21	21	140	66.2	19.6	0.39	1.33	0.45	7.74	4.66	100	6.1	66.4	27.5
TEQ21	21	155	65.7	20.4	0.26	1.56	0.32	8.24	4.21	101	6.4	67.1	26.5
TEQ21	21	171	65.2	20.7	0.18	1.82	0.53	8.24	3.87	100	7.3	69.4	23.3
TEQ21	21	186	65.3	20.4	0.24	1.62	0.36	8.35	3.77	100	8.5	69.9	21.6
TEQ21	21	202	65.3	20.4	0.28	1.70	0.30	8.34	3.75	100	7.6	71.2	21.1
TEQ21	21	217	66.1	20.6	0.19	1.72	0.20	8.24	3.72	101	8.0	71.0	21.0
TEQ21	21	233	65.3	20.7	0.19	1.97	0.35	8.12	3.62	100	8.2	70.8	21.0
TEQ21	21	248	65.0	20.7	0.25	2.08	0.35	8.50	3.60	101	9.4	70.0	20.6
TEQ21	21	264	65.1	20.9	0.11	2.03	0.32	8.32	3.28	100	9.6	70.7	19.7
TEQ21	21	279	64.7	20.4	0.14	1.93	0.36	8.44	3.31	99	9.7	71.7	18.6
TEQ21	21	295	65.1	20.8	0.15	2.04	0.39	8.31	3.52	100	9.1	72.2	18.6
TEQ21	21	310	65.7	20.5	0.16	1.82	0.33	8.19	3.48	100	9.6	70.7	19.7
TEQ21	21	326	65.5	20.7	0.14	1.95	0.30	8.10	3.48	100	8.7	71.3	19.9
TEQ21	21	341	64.9	20.4	0.17	1.80	0.41	8.02	3.63	99	9.4	70.6	20.0
TEQ21	21	357	64.8	20.6	0.13	1.52	0.33	7.86	4.01	99	8.7	70.3	21.0
TEQ21	21	372	65.7	20.6	0.18	1.52	0.27	8.28	4.07	101	7.4	69.3	23.3
TEQ21	21	388	64.7	20.5	0.23	1.51	0.35	7.78	3.79	99	7.1	70.2	22.7
TEQ21	21	403	64.7	20.2	0.23	1.48	0.38	7.89	4.15	99	7.5	70.0	22.4
TEQ21	21	419	65.4	20.2	0.27	1.58	0.38	8.13	3.89	100	7.1	69.0	23.9
TEQ21	21	435	65.7	20.7	0.24	1.65	0.26	7.81	4.20	101	7.6	70.3	22.1
TEQ21	21	450	65.9	20.3	0.14	1.53	0.41	8.01	3.94	100	7.9	68.0	24.1
TEQ21	21	466	65.9	20.2	0.11	1.55	0.35	8.00	3.90	100	7.4	70.0	22.6
TEQ21	21	481	65.8	20.3	0.20	1.71	0.21	8.19	3.67	100	7.5	70.0	22.5
TEQ21	21	497	65.3	20.7	0.20	1.78	0.39	8.21	3.74	101	8.2	70.9	20.9
TEQ21	21	512	65.4	20.4	0.20	1.73	0.53	8.29	3.76	101	8.4	70.4	21.1
TEQ21	21	528	65.4	20.7	0.23	1.84	0.57	8.21	3.83	101	8.2	70.7	21.1
TEQ21	21	543	64.7	21.0	0.24	1.86	0.60	8.38	3.58	101	8.6	69.9	21.5
TEQ21	21	559	65.3	20.6	0.28	1.92	0.54	8.35	3.57	101	8.7	71.2	20.0

TEQ21	21	574	65.3	20.5	0.18	1.74	0.36	7.96	3.58	100	9.0	71.0	20.0
TEQ21	21	590	65.7	20.4	0.17	1.83	0.21	8.13	3.75	100	8.5	70.6	20.9
TEQ21	22	0	68.8	19.0	0.40	1.47	0.15	7.50	3.66	101	9.2	72.3	18.5
TEQ21	22	16	65.3	21.1	0.14	1.94	0.24	8.45	3.23	100	7.6	70.0	22.4
TEQ21	22	31	66.0	20.5	0.20	1.98	0.45	8.43	3.25	101	9.2	72.6	18.2
TEQ21	22	47	65.8	20.8	0.24	1.83	0.27	8.22	3.46	101	9.4	72.3	18.3
TEQ21	22	62	65.7	21.2	0.23	1.92	0.36	8.37	3.55	101	8.8	71.4	19.8
TEQ21	22	78	65.4	20.6	0.21	1.89	0.17	8.32	3.72	100	9.0	71.2	19.8
TEQ21	22	93	64.8	20.4	0.22	1.63	0.30	8.07	3.82	99	8.8	70.4	20.7
TEQ21	22	109	66.0	20.2	0.18	1.31	0.42	8.16	4.18	100	7.9	70.2	21.9
TEQ21	22	124	66.6	19.4	0.35	1.21	0.36	7.29	4.59	100	6.2	70.2	23.6
TEQ21	22	140	66.2	19.6	0.39	1.33	0.45	7.74	4.66	100	6.1	66.4	27.5
TEQ21	22	155	65.7	20.4	0.26	1.56	0.32	8.24	4.21	101	6.4	67.1	26.5
TEQ21	22	171	65.2	20.7	0.18	1.82	0.53	8.24	3.87	100	7.3	69.4	23.3
TEQ21	22	186	65.3	20.4	0.24	1.62	0.36	8.35	3.77	100	8.5	69.9	21.6
TEQ21	22	202	65.3	20.4	0.28	1.70	0.30	8.34	3.75	100	7.6	71.2	21.1
TEQ21	22	217	66.1	20.6	0.19	1.72	0.20	8.24	3.72	101	8.0	71.0	21.0
TEQ21	22	233	65.3	20.7	0.19	1.97	0.35	8.12	3.62	100	8.2	70.8	21.0
TEQ21	22	248	65.0	20.7	0.25	2.08	0.35	8.50	3.60	101	9.4	70.0	20.6
TEQ21	22	264	65.1	20.9	0.11	2.03	0.32	8.32	3.28	100	9.6	70.7	19.7
TEQ21	22	279	64.7	20.4	0.14	1.93	0.36	8.44	3.31	99	9.7	71.7	18.6
TEQ21	22	295	65.1	20.8	0.15	2.04	0.39	8.31	3.52	100	9.1	72.2	18.6
TEQ21	22	310	65.7	20.5	0.16	1.82	0.33	8.19	3.48	100	9.6	70.7	19.7
TEQ21	22	326	65.5	20.7	0.14	1.95	0.30	8.10	3.48	100	8.7	71.3	19.9
TEQ21	22	341	64.9	20.4	0.17	1.80	0.41	8.02	3.63	99	9.4	70.6	20.0
TEQ21	22	357	64.8	20.6	0.13	1.52	0.33	7.86	4.01	99	8.7	70.3	21.0
TEQ21	22	372	65.7	20.6	0.18	1.52	0.27	8.28	4.07	101	7.4	69.3	23.3
TEQ21	22	388	64.7	20.5	0.23	1.51	0.35	7.78	3.79	99	7.1	70.2	22.7
TEQ21	22	403	64.7	20.2	0.23	1.48	0.38	7.89	4.15	99	7.5	70.0	22.4
TEQ21	22	419	65.4	20.2	0.27	1.58	0.38	8.13	3.89	100	7.1	69.0	23.9
TEQ21	22	435	65.7	20.7	0.24	1.65	0.26	7.81	4.20	101	7.6	70.3	22.1
TEQ21	22	450	65.9	20.3	0.14	1.53	0.41	8.01	3.94	100	7.9	68.0	24.1
TEQ21	22	466	65.9	20.2	0.11	1.55	0.35	8.00	3.90	100	7.4	70.0	22.6
TEQ21	22	481	65.8	20.3	0.20	1.71	0.21	8.19	3.67	100	7.5	70.0	22.5
TEQ21	22	497	65.3	20.7	0.20	1.78	0.39	8.21	3.74	101	8.2	70.9	20.9
TEQ21	22	512	65.4	20.4	0.20	1.73	0.53	8.29	3.76	101	8.4	70.4	21.1
TEQ21	22	528	65.4	20.7	0.23	1.84	0.57	8.21	3.83	101	8.2	70.7	21.1
TEQ21	22	543	64.7	21.0	0.24	1.86	0.60	8.38	3.58	101	8.6	69.9	21.5
TEQ21	22	559	65.3	20.6	0.28	1.92	0.54	8.35	3.57	101	8.7	71.2	20.0
TEQ21	22	574	65.3	20.5	0.18	1.74	0.36	7.96	3.58	100	9.0	71.0	20.0
TEQ21	22	590	65.7	20.4	0.17	1.83	0.21	8.13	3.75	100	8.5	70.6	20.9
TEQ21	23	0	66.1	20.6	0.14	1.77	0.33	8.52	3.49	101	8.3	72.3	19.5
TEQ21	23	15	65.9	20.6	0.28	1.86	0.36	8.16	3.37	100	9.0	71.6	19.4
TEQ21	23	30	65.9	20.8	0.22	1.97	0.39	8.44	3.34	101	9.3	72.0	18.7
TEQ21	23	45	64.6	21.3	0.21	1.91	0.29	8.40	3.16	100	9.1	72.8	18.0
TEQ21	23	61	64.3	20.4	0.22	1.88	0.29	8.37	3.44	99	8.9	71.7	19.4
TEQ21	23	76	65.5	21.0	0.18	1.80	0.24	8.12	3.51	100	8.7	71.1	20.2
TEQ21	23	91	64.8	20.5	0.21	1.82	0.46	8.13	3.54	99	8.8	70.9	20.3
TEQ21	23	106	65.9	20.6	0.21	1.54	0.35	8.24	3.71	101	7.4	71.4	21.2
TEQ21	23	121	65.7	20.7	0.20	1.51	0.33	8.10	4.24	101	7.1	69.1	23.8
TEQ21	23	136	66.0	20.5	0.17	1.48	0.20	8.18	4.09	101	7.0	70.0	23.0
TEQ21	23	152	66.1	20.2	0.21	1.39	0.33	8.00	4.25	100	6.6	69.2	24.2
TEQ21	23	167	66.3	20.4	0.17	1.79	0.35	8.18	3.91	101	8.4	69.7	21.9
TEQ21	23	182	66.0	20.6	0.17	1.62	0.26	8.22	3.45	100	7.8	72.2	20.0
TEQ21	23	197	65.5	20.7	0.10	1.56	0.36	8.23	3.61	100	7.5	71.8	20.7
TEQ21	23	212	65.7	20.8	0.15	1.90	0.46	8.21	3.48	101	9.1	71.1	19.9
TEQ21	23	227	65.8	21.0	0.24	1.90	0.30	8.23	3.58	101	9.0	70.7	20.2
TEQ21	23	243	65.6	21.1	0.15	1.99	0.24	8.36	3.57	101	9.3	70.8	19.9
TEQ21	23	258	65.7	20.6	0.24	1.86	0.29	8.30	3.54	101	8.8	71.2	20.0
TEQ21	23	273	65.6	20.2	0.13	1.76	0.29	8.16	3.70	100	8.4	70.5	21.0
TEQ21	23	288	66.6	20.8	0.20	1.72	0.15	8.25	3.65	102	8.2	71.1	20.7
TEQ21	23	303	65.6	20.7	0.24	1.71	0.34	8.04	3.77	101	8.2	70.1	21.6
TEQ21	23	318	66.4	20.1	0.22	1.67	0.34	8.10	3.83	101	8.0	70.2	21.8
TEQ21	23	334	67.8	17.6	0.69	1.07	0.08	6.83	3.95	98	5.9	68.2	25.9

TEQ21	24	0	72.0	15.7	1.02	0.80	0.05	5.65	4.52	100	4.8	62.3	32.8
TEQ21	24	15	66.0	20.1	0.22	1.76	0.24	8.32	3.25	100	8.5	72.8	18.7
TEQ21	24	31	65.5	20.4	0.23	1.90	0.09	8.34	3.42	100	9.0	71.7	19.3
TEQ21	24	46	65.3	20.7	0.17	1.94	0.08	8.34	3.24	100	9.3	72.3	18.5
TEQ21	24	62	65.8	20.8	0.19	2.01	0.24	8.47	3.31	101	9.5	72.1	18.5
TEQ21	24	77	64.6	21.2	0.12	1.75	0.38	8.23	3.21	100	8.5	72.8	18.7
TEQ21	24	93	65.9	20.6	0.13	1.96	0.32	8.44	3.42	101	9.2	71.7	19.1
TEQ21	24	108	64.7	20.7	0.15	2.03	0.20	8.72	3.44	100	9.3	72.0	18.7
TEQ21	24	123	64.5	20.9	0.27	1.94	0.39	8.34	3.55	100	9.1	71.0	19.9
TEQ21	24	139	66.1	21.3	0.17	1.98	0.36	8.57	3.42	102	9.2	71.9	18.9
TEQ21	24	154	65.1	20.6	0.22	1.95	0.27	8.41	3.38	100	9.2	71.8	19.0
TEQ21	24	170	65.5	21.3	0.21	2.08	0.24	8.30	3.42	101	9.8	71.0	19.2
TEQ21	24	185	64.5	20.9	0.28	1.96	0.15	8.27	3.45	99	9.3	71.2	19.5
TEQ21	24	201	64.9	20.8	0.21	1.98	0.21	8.19	3.45	100	9.5	70.9	19.7
TEQ21	24	216	65.4	20.8	0.24	1.92	0.21	8.35	3.69	100	8.9	70.6	20.5
TEQ21	24	231	65.5	20.8	0.26	1.75	0.18	8.18	3.91	100	8.3	69.8	21.9
TEQ21	24	247	65.2	20.5	0.17	1.80	0.44	8.05	3.82	100	8.6	69.6	21.7
TEQ21	24	262	64.9	20.7	0.25	1.77	0.08	8.14	3.83	100	8.4	70.0	21.7
TEQ21	24	278	65.7	20.9	0.26	1.84	0.42	8.11	4.11	101	8.6	68.5	22.9
TEQ21	24	293	65.1	20.4	0.24	1.67	0.35	8.17	3.85	100	7.9	70.3	21.8
TEQ21	24	309	65.6	20.7	0.20	1.61	0.39	8.08	4.14	101	7.6	69.1	23.3
TEQ21	24	324	65.9	20.7	0.24	1.65	0.26	8.24	4.05	101	7.7	69.7	22.5
TEQ21	24	370	65.2	20.6	0.29	1.47	0.32	8.13	3.82	100	7.1	71.0	21.9
TEQ21	24	386	66.5	20.6	0.22	1.59	0.42	8.17	3.90	101	7.6	70.3	22.1
TEQ21	24	401	65.9	20.7	0.21	1.69	0.39	7.81	3.93	101	8.2	68.9	22.8
TEQ21	24	432	66.2	20.9	0.26	1.49	0.33	8.28	3.97	102	7.0	70.7	22.3
TEQ21	24	447	65.8	20.7	0.26	1.43	0.27	8.22	3.69	100	6.9	71.9	21.2
TEQ21	25	0	65.8	20.7	0.20	1.84	0.29	7.72	2.70	99	9.7	73.4	16.9
TEQ21	25	21	66.0	20.6	0.21	1.92	0.32	8.26	3.61	101	9.1	70.6	20.3
TEQ21	25	62	65.8	21.2	0.18	2.13	0.29	8.20	3.12	101	10.3	71.8	17.9
TEQ21	25	81	65.6	20.9	0.15	2.21	0.29	8.61	2.87	101	10.4	73.5	16.1
TEQ21	25	102	65.5	21.8	0.17	2.78	0.16	8.64	1.94	101	13.4	75.4	11.2
TEQ21	25	122	64.7	21.7	0.19	3.00	0.24	8.92	1.84	101	14.0	75.7	10.3
TEQ21	25	162	64.5	22.4	0.13	3.47	0.20	8.56	1.62	101	16.6	74.2	9.2
TEQ21	25	182	65.3	21.6	0.19	3.09	0.26	8.75	2.03	101	14.5	74.2	11.3
TEQ21	25	202	65.3	21.1	0.20	2.56	0.29	8.54	2.51	100	12.2	73.6	14.2
TEQ21	25	222	65.5	21.4	0.14	2.61	0.26	8.68	2.40	101	12.3	74.2	13.5
TEQ21	25	243	65.7	21.5	0.18	2.44	0.20	8.52	2.58	101	11.7	73.6	14.7
TEQ21	25	262	65.9	21.1	0.23	2.42	0.23	8.67	2.63	101	11.4	73.9	14.7
TEQ21	25	283	65.9	21.1	0.17	2.13	0.30	8.53	3.02	101	10.1	72.9	17.0
TEQ21	25	303	65.4	21.1	0.19	2.29	0.23	8.59	2.93	101	10.7	72.9	16.4
TEQ21	25	323	65.8	21.0	0.18	2.02	0.28	8.40	3.20	101	9.6	72.3	18.1
TEQ21	25	364	65.5	21.0	0.17	2.11	0.36	8.53	3.11	101	9.9	72.6	17.4
TEQ21	25	383	65.4	21.4	0.23	2.47	0.18	8.59	2.49	101	11.8	74.1	14.1
TEQ21	25	404	65.7	20.7	0.18	1.92	0.39	8.36	3.47	101	9.1	71.4	19.5
TEQ21	25	424	66.1	21.0	0.19	2.01	0.38	8.11	3.71	102	9.5	69.5	20.9
TEQ21	25	443	66.0	20.8	0.16	1.94	0.30	8.26	3.72	101	9.1	70.1	20.8
TEQ21	25	465	66.4	20.4	0.16	1.55	0.37	7.96	4.26	101	7.4	68.5	24.1
TEQ21	25	484	66.0	20.7	0.18	2.03	0.35	8.33	3.41	101	9.6	71.2	19.2
TEQ21	25	505	65.9	21.0	0.19	1.78	0.35	7.74	3.71	101	8.8	69.3	21.9
TEQ21	25	525	66.2	20.6	0.16	1.95	0.36	8.24	3.73	101	9.2	70.0	20.9
TEQ21	25	545	66.1	20.9	0.17	1.86	0.37	8.09	3.68	101	8.9	70.1	21.0
TEQ21	25	586	66.1	20.6	0.19	1.95	0.30	8.20	3.59	101	9.2	70.5	20.3
TEQ21	25	605	65.3	21.4	0.17	2.16	0.38	8.07	3.48	101	10.3	69.8	19.8
TEQ21	25	626	64.1	20.8	0.22	2.26	0.24	7.54	3.25	98	11.5	69.0	19.6
TEQ21	25	646	65.6	21.5	0.19	2.26	0.30	8.13	3.07	101	11.0	71.3	17.7
TEQ21	25	686	66.5	20.9	0.20	2.34	0.22	8.34	3.09	102	11.1	71.5	17.4
TEQ21	26	0	65.1	21.3	0.15	2.34	0.21	6.82	2.83	99	13.0	68.3	18.7
TEQ21	26	34	65.5	20.9	0.19	2.18	0.37	8.17	3.10	100	10.5	71.6	17.9
TEQ21	26	51	65.5	21.1	0.18	2.56	0.30	8.68	2.64	101	12.0	73.4	14.7
TEQ21	26	69	65.9	20.8	0.18	2.02	0.41	8.03	3.55	101	9.7	70.0	20.3
TEQ21	26	86	65.6	21.1	0.17	2.15	0.33	8.34	3.30	101	10.2	71.3	18.6
TEQ21	26	103	65.3	20.8	0.19	2.09	0.38	7.59	3.33	100	10.6	69.4	20.0
TEQ21	26	121	65.9	20.7	0.18	1.94	0.28	8.31	3.71	101	9.1	70.3	20.7

TEQ21	26	138	65.8	20.9	0.18	1.86	0.39	8.13	3.77	101	8.9	69.9	21.3
TEQ21	26	155	65.9	20.9	0.21	2.17	0.33	8.41	3.31	101	10.2	71.3	18.5
TEQ21	26	172	65.4	20.8	0.20	1.90	0.30	7.57	3.54	100	9.6	69.1	21.3
TEQ21	26	190	66.1	20.7	0.22	2.07	0.37	8.35	3.47	101	9.7	70.9	19.4
TEQ21	26	207	65.8	21.0	0.19	1.97	0.32	8.12	3.39	101	9.5	71.0	19.5
TEQ21	26	224	66.0	20.8	0.16	2.00	0.28	8.33	3.33	101	9.5	71.6	18.9
TEQ21	26	242	68.1	19.9	0.39	1.64	0.31	8.39	1.87	101	8.6	79.7	11.7
TEQ21	27	0	65.7	20.8	0.19	1.83	0.41	8.03	3.79	101	8.8	69.6	21.6
TEQ21	27	21	65.7	20.9	0.18	2.16	0.26	8.29	3.30	101	10.2	71.1	18.7
TEQ21	27	42	65.3	20.9	0.17	2.25	0.26	8.23	3.20	100	10.7	71.1	18.2
TEQ21	27	63	65.6	20.9	0.16	2.18	0.28	8.26	3.26	101	10.4	71.2	18.5
TEQ21	27	84	65.3	21.2	0.16	2.65	0.17	8.62	2.39	101	12.6	74.0	13.5
TEQ21	27	105	65.8	21.1	0.16	2.51	0.25	8.59	2.71	101	11.8	73.0	15.2
TEQ21	27	127	65.7	20.5	0.16	1.91	0.33	7.96	3.65	100	9.2	69.7	21.0
TEQ21	27	148	66.0	20.8	0.16	2.23	0.22	8.36	3.19	101	10.5	71.5	17.9
TEQ21	27	169	65.5	21.3	0.20	2.26	0.27	8.46	2.97	101	10.7	72.5	16.8
TEQ21	27	190	66.0	20.5	0.17	1.75	0.32	8.23	3.80	101	8.3	70.4	21.4
TEQ21	27	211	65.5	20.7	0.19	1.99	0.39	8.22	3.49	101	9.5	70.8	19.8
TEQ21	27	233	65.9	20.7	0.18	2.04	0.25	8.31	3.35	101	9.7	71.4	18.9
TEQ21	27	253	65.9	20.8	0.17	1.83	0.30	8.12	3.69	101	8.8	70.2	21.0
TEQ21	27	275	66.0	20.6	0.14	1.89	0.27	8.24	3.71	101	8.9	70.3	20.8
TEQ21	27	296	65.9	20.8	0.15	1.83	0.30	8.15	3.68	101	8.7	70.4	20.9
TEQ21	27	317	65.8	21.1	0.20	2.00	0.28	8.44	3.34	101	9.4	71.8	18.7
TEQ21	27	339	66.3	20.7	0.20	1.77	0.35	7.97	3.75	101	8.6	69.8	21.6
TEQ21	27	359	65.6	20.6	0.18	1.98	0.25	8.43	3.46	100	9.3	71.4	19.3
TEQ21	27	381	65.8	20.6	0.18	2.03	0.29	8.21	3.50	101	9.6	70.6	19.8
TEQ21	27	403	65.6	21.4	0.19	2.64	0.21	8.68	2.48	101	12.4	73.8	13.9
TEQ21	28	0	65.8	20.3	0.17	1.57	0.38	7.96	4.10	100	7.5	69.0	23.4
TEQ21	28	21	65.9	20.6	0.23	1.78	0.30	8.32	3.76	101	8.4	70.6	21.0
TEQ21	28	43	66.3	20.4	0.18	1.78	0.34	8.01	4.02	101	8.5	68.8	22.7
TEQ21	28	65	65.7	20.6	0.19	1.73	0.31	7.87	3.97	100	8.4	68.8	22.8
TEQ21	28	87	66.3	20.3	0.15	1.60	0.34	8.11	4.12	101	7.6	69.3	23.2
TEQ21	28	109	65.9	20.3	0.17	1.43	0.39	7.53	4.44	100	7.0	67.0	26.0
TEQ21	28	131	66.5	20.4	0.16	1.54	0.33	8.16	4.18	101	7.3	69.4	23.4
TEQ21	28	153	66.0	20.6	0.17	1.78	0.35	8.17	3.78	101	8.5	70.2	21.4
TEQ21	28	175	65.4	20.6	0.17	1.80	0.34	6.93	3.81	99	9.5	66.4	24.0
TEQ21	28	197	64.5	20.7	0.20	1.77	0.27	7.86	3.86	99	8.6	69.1	22.3
TEQ21	28	219	65.5	21.0	0.14	1.77	0.32	7.77	4.17	101	8.5	67.6	23.8
TEQ21	28	241	65.8	20.3	0.19	1.75	0.46	8.23	3.92	101	8.2	69.9	21.9
TEQ21	28	263	65.8	20.6	0.17	1.85	0.39	7.79	3.99	101	8.9	68.1	23.0
TEQ21	28	285	66.0	20.4	0.19	1.79	0.37	8.13	3.80	101	8.5	70.0	21.5
TEQ21	28	307	65.6	21.2	0.20	1.77	0.31	8.28	3.92	101	8.2	69.9	21.8
TEQ21	28	329	63.7	21.1	0.19	1.67	0.36	8.22	3.80	99	7.9	70.6	21.5
TEQ21	28	351	66.2	20.6	0.14	1.75	0.37	8.06	3.83	101	8.4	69.8	21.8
TEQ21	28	373	65.9	20.4	0.16	1.77	0.35	8.25	3.98	101	8.3	69.6	22.1
TEQ21	28	395	66.1	20.5	0.18	1.70	0.33	8.19	3.96	101	8.0	69.8	22.2
TEQ21	28	417	66.0	20.6	0.23	1.87	0.38	8.29	3.70	101	8.8	70.5	20.7
TEQ21	28	439	65.5	20.6	0.16	1.82	0.31	8.02	3.79	100	8.7	69.7	21.6
TEQ21	28	461	65.8	20.5	0.17	1.90	0.36	8.13	3.78	101	9.0	69.7	21.3
TEQ21	28	483	65.6	20.8	0.19	1.97	0.36	8.19	3.64	101	9.3	70.1	20.5
TEQ21	28	505	65.4	20.5	0.20	1.89	0.37	8.38	3.51	100	8.9	71.4	19.7
TEQ21	28	528	65.0	20.6	0.17	1.95	0.36	7.42	3.75	99	9.8	67.7	22.5
TEQ21	28	550	65.6	20.7	0.18	1.98	0.34	8.34	3.85	101	9.2	69.7	21.1
TEQ21	28	572	65.8	20.9	0.16	1.95	0.28	8.36	3.54	101	9.1	71.1	19.8
TEQ21	28	594	65.7	20.7	0.17	1.94	0.27	8.18	3.60	101	9.2	70.4	20.4
TEQ21	28	616	65.6	20.9	0.13	2.06	0.30	7.51	3.55	100	10.4	68.4	21.3
TEQ21	28	638	65.8	20.6	0.14	1.89	0.27	8.67	3.67	101	8.6	71.5	19.9
TEQ21	28	660	65.6	20.6	0.18	1.91	0.24	7.88	3.72	100	9.3	69.2	21.5
TEQ21	28	682	66.1	20.5	0.17	1.84	0.28	8.35	3.58	101	8.7	71.2	20.1
TEQ21	28	704	65.4	20.9	0.18	1.83	0.29	8.34	3.67	101	8.6	70.9	20.5
TEQ21	29	0	66.0	20.3	0.18	1.63	0.33	8.10	4.15	101	7.7	69.0	23.3
TEQ21	29	19	66.0	20.4	0.18	1.48	0.38	7.64	4.30	100	7.2	67.7	25.1
TEQ21	29	38	66.0	20.2	0.17	1.56	0.47	8.11	4.31	101	7.3	68.7	24.0
TEQ21	29	57	65.8	20.2	0.14	1.41	0.38	8.10	4.34	100	6.6	69.0	24.3

TEQ21	29	76	66.4	20.0	0.17	1.41	0.34	8.08	4.42	101	6.6	68.7	24.7
TEQ21	29	95	66.3	19.9	0.20	1.45	0.39	7.98	4.21	101	6.9	69.1	24.0
TEQ21	29	114	66.1	20.0	0.20	1.49	0.30	8.15	4.23	101	7.0	69.3	23.7
TEQ21	29	132	66.3	20.3	0.17	1.48	0.36	8.18	4.06	101	7.0	70.1	22.9
TEQ21	29	151	66.5	20.6	0.14	1.69	0.34	8.29	3.87	101	7.9	70.4	21.6
TEQ21	29	170	65.7	20.6	0.20	1.71	0.29	8.17	3.86	101	8.1	70.1	21.8
TEQ21	29	188	65.9	20.8	0.21	1.83	0.32	8.27	3.97	101	8.5	69.5	22.0
TEQ21	29	208	65.7	20.3	0.20	1.72	0.33	7.34	4.30	100	8.6	66.0	25.4
TEQ21	29	227	66.3	20.0	0.16	1.60	0.41	7.97	4.41	101	7.5	67.8	24.7
TEQ21	29	245	65.0	20.3	0.15	1.73	0.39	7.20	3.97	99	8.9	66.9	24.3
TEQ21	29	264	66.6	19.9	0.21	1.56	0.29	8.24	3.92	101	7.4	70.5	22.1
TEQ21	29	282	65.8	20.1	0.15	1.49	0.41	7.20	4.50	100	7.5	65.6	26.9
TEQ21	29	302	65.6	20.4	0.15	1.77	0.42	8.25	3.97	101	8.2	69.7	22.0
TEQ21	29	320	65.6	20.3	0.19	1.41	0.41	7.47	4.39	100	7.0	67.1	25.9
TEQ21	29	339	65.5	20.2	0.18	1.65	0.30	8.26	4.14	100	7.7	69.4	22.9
TEQ21	29	358	65.7	20.2	0.21	1.67	0.45	7.64	4.02	100	8.2	68.1	23.6
TEQ21	29	377	66.0	20.2	0.18	1.83	0.31	8.21	3.91	101	8.6	69.6	21.8
TEQ21	29	395	66.0	20.4	0.13	1.67	0.35	7.68	4.01	100	8.2	68.3	23.5
TEQ21	29	414	65.6	20.1	0.13	1.74	0.41	8.25	3.76	100	8.2	70.6	21.2
TEQ21	29	433	65.1	20.5	0.18	1.81	0.29	7.76	3.72	99	8.9	69.2	21.8
TEQ21	29	452	65.5	20.5	0.20	2.07	0.31	8.38	3.51	100	9.7	70.8	19.5
TEQ21	29	471	65.1	20.4	0.16	1.82	0.37	7.57	3.94	99	9.0	67.8	23.2
TEQ21	29	490	65.9	20.2	0.14	1.73	0.36	8.13	3.99	100	8.2	69.4	22.4
TEQ21	29	508	65.6	20.3	0.18	1.67	0.33	7.84	3.93	100	8.1	69.1	22.8
TEQ21	29	527	66.0	20.4	0.19	1.96	0.30	8.22	3.82	101	9.2	69.6	21.3
TEQ21	29	546	65.3	20.5	0.21	1.92	0.40	7.98	3.77	100	9.2	69.3	21.5
TEQ21	29	565	65.1	21.0	0.18	1.99	0.33	8.26	3.48	100	9.4	70.9	19.7
TEQ21	29	584	65.7	20.7	0.19	1.79	0.31	8.05	3.82	101	8.6	69.6	21.8
TEQ21	29	602	65.2	20.7	0.18	2.00	0.38	8.41	3.68	101	9.3	70.4	20.3
TEQ21	29	621	65.8	20.4	0.18	1.68	0.36	7.90	4.21	101	8.0	68.1	23.9
TEQ21	29	639	65.1	20.5	0.14	1.78	0.38	8.32	3.70	100	8.4	70.9	20.8
TEQ21	30	0	65.9	20.4	0.21	1.71	0.40	8.09	4.31	101	8.0	68.1	23.9
TEQ21	30	24	65.6	20.4	0.15	1.56	0.41	7.70	4.26	100	7.6	67.8	24.6
TEQ21	30	48	66.2	20.3	0.15	1.59	0.49	8.16	4.21	101	7.5	69.1	23.5
TEQ21	30	72	66.3	20.3	0.15	1.38	0.46	7.57	4.57	101	6.7	66.8	26.5
TEQ21	30	95	66.3	20.0	0.15	1.47	0.36	8.03	4.31	101	7.0	68.8	24.3
TEQ21	30	119	66.5	20.3	0.18	1.51	0.34	8.00	4.06	101	7.3	69.5	23.2
TEQ21	30	144	65.7	20.7	0.18	2.09	0.39	8.05	3.37	101	10.1	70.5	19.4
TEQ21	30	192	65.5	21.7	0.17	2.78	0.27	8.63	2.35	101	13.1	73.7	13.2
TEQ21	30	216	65.5	21.5	0.18	2.68	0.21	8.66	2.34	101	12.7	74.1	13.2
TEQ21	30	239	65.5	21.1	0.15	2.61	0.23	8.64	2.43	101	12.4	74.0	13.7
TEQ21	30	264	65.6	20.8	0.17	2.05	0.32	8.03	3.40	100	9.9	70.5	19.6
TEQ21	30	288	66.2	20.3	0.18	1.82	0.34	8.14	3.86	101	8.6	69.7	21.7
TEQ21	30	312	65.3	21.3	0.13	2.08	0.37	8.05	3.28	101	10.1	70.9	19.0
TEQ21	30	336	65.2	20.8	0.16	2.09	0.43	8.40	3.26	100	9.9	71.8	18.3
TEQ21	30	360	65.8	21.1	0.12	1.90	0.41	8.03	3.58	101	9.2	70.2	20.6
TEQ21	30	384	65.7	20.9	0.17	2.13	0.46	8.37	3.30	101	10.0	71.4	18.5
TEQ21	30	409	65.3	20.7	0.19	2.13	0.37	7.92	3.55	100	10.3	69.3	20.4
TEQ21	30	432	65.1	21.5	0.16	2.62	0.22	8.71	2.42	101	12.3	74.1	13.6
TEQ21	30	456	65.2	21.4	0.18	2.68	0.22	8.31	2.40	100	13.0	73.1	13.9
TEQ21	30	480	65.1	21.1	0.23	2.46	0.19	8.68	2.55	100	11.6	74.1	14.3
TEQ21	30	504	65.0	21.2	0.19	2.59	0.15	8.57	2.53	100	12.3	73.5	14.3
TEQ21	30	529	65.3	20.6	0.16	1.97	0.44	8.22	3.71	100	9.3	69.9	20.8
TEQ21	30	553	65.7	20.7	0.15	1.72	0.33	8.12	3.81	101	8.2	70.1	21.6
TEQ21	30	577	65.9	20.4	0.14	1.89	0.31	8.12	3.83	101	8.9	69.5	21.6
TEQ21	30	601	65.8	20.9	0.15	1.88	0.41	8.00	3.70	101	9.1	69.7	21.2
TEQ21	30	625	65.6	20.5	0.17	1.93	0.39	8.34	3.60	101	9.1	70.8	20.1
TEQ21	30	648	65.9	20.6	0.13	1.84	0.37	8.06	3.64	101	8.9	70.3	20.9
TEQ21	30	673	65.7	20.9	0.19	2.06	0.23	8.38	3.35	101	9.7	71.5	18.8
TEQ21	30	697	65.8	20.8	0.20	2.10	0.31	8.30	3.31	101	10.0	71.3	18.7
TEQ21	30	721	65.9	20.6	0.21	1.85	0.34	8.32	3.62	101	8.7	71.0	20.3
TEQ21	30	745	65.8	20.5	0.19	1.64	0.38	7.62	3.97	100	8.2	68.4	23.4
TEQ21	30	769	65.6	20.5	0.16	1.92	0.29	8.26	3.60	100	9.1	70.7	20.3
TEQ21	30	793	66.0	20.6	0.20	1.71	0.35	7.47	3.83	100	8.6	68.4	23.0

TEQ21	30	817	65.8	20.3	0.18	1.75	0.42	8.16	3.87	101	8.3	69.9	21.8
TEQ21	30	841	66.2	20.4	0.14	1.71	0.39	7.44	4.04	100	8.5	67.4	24.1
TEQ21	30	865	66.6	20.0	0.16	1.43	0.33	8.04	4.33	101	6.8	68.8	24.4
TEQ21	30	889	65.5	20.4	0.17	1.51	0.40	7.36	4.35	100	7.5	66.6	25.9
TEQ21	30	913	66.5	20.2	0.16	1.38	0.36	7.91	4.61	101	6.5	67.5	25.9
TEQ21	30	938	66.6	20.2	0.18	1.19	0.42	7.65	4.88	101	5.7	66.4	27.9
TEQ21	30	962	66.4	20.3	0.16	1.59	0.40	8.13	4.18	101	7.4	69.2	23.4
TEQ21	30	985	66.2	20.4	0.14	1.41	0.33	7.78	4.43	101	6.8	67.8	25.4
TEQ21	30	1009	65.9	20.2	0.16	1.69	0.42	8.03	4.20	101	8.0	68.5	23.6
TEQ21	30	1033	66.1	20.5	0.19	1.57	0.35	7.90	4.24	101	7.5	68.4	24.1
TEQ21	30	1058	65.9	20.1	0.18	1.51	0.36	8.12	4.22	100	7.1	69.2	23.7
TEQ21	31	0	66.1	20.0	0.21	1.65	0.40	8.41	3.69	100	7.8	71.6	20.7
TEQ21	31	20	65.6	20.8	0.18	1.90	0.38	8.08	3.84	101	9.0	69.3	21.7
TEQ21	31	40	66.1	20.3	0.15	1.66	0.36	8.24	3.93	101	7.8	70.2	22.0
TEQ21	31	59	65.8	20.6	0.18	1.56	0.31	8.13	3.80	100	7.5	70.7	21.8
TEQ21	31	80	66.3	20.5	0.22	1.66	0.33	8.36	3.73	101	7.8	71.3	20.9
TEQ21	31	100	66.0	20.3	0.18	1.69	0.31	8.15	3.93	101	8.0	69.8	22.2
TEQ21	31	120	66.4	19.9	0.19	1.26	0.37	7.82	4.66	101	6.0	67.5	26.5
TEQ21	31	141	66.1	20.3	0.20	1.55	0.31	8.21	3.77	100	7.4	71.1	21.5
TEQ21	31	160	66.0	20.6	0.21	1.83	0.46	8.31	3.78	101	8.6	70.4	21.1
TEQ21	31	180	66.1	20.2	0.20	1.59	0.40	7.96	4.24	101	7.6	68.5	24.0
TEQ21	31	200	65.8	20.6	0.18	1.76	0.36	8.65	3.57	101	8.1	72.2	19.6
TEQ21	31	221	65.3	20.4	0.15	1.85	0.39	7.73	3.55	99	9.2	69.8	21.0
TEQ21	31	241	66.1	20.1	0.16	1.67	0.27	8.15	3.95	100	7.9	69.8	22.3
TEQ21	31	261	65.6	20.9	0.21	1.89	0.37	8.06	3.72	101	9.0	69.8	21.2
TEQ21	31	281	65.7	20.5	0.20	1.84	0.36	8.27	3.51	100	8.8	71.3	19.9
TEQ21	31	301	65.6	20.6	0.19	1.83	0.27	7.17	3.65	99	9.6	67.7	22.7
TEQ21	31	321	66.1	20.7	0.18	1.85	0.47	8.36	3.57	101	8.7	71.3	20.0
TEQ21	31	341	66.3	20.4	0.16	1.40	0.37	7.80	4.34	101	6.8	68.2	25.0
TEQ21	31	361	66.0	20.4	0.15	1.69	0.40	8.15	4.00	101	8.0	69.6	22.5
TEQ21	31	381	65.7	20.7	0.20	1.94	0.30	8.05	3.67	101	9.3	69.8	20.9
TEQ21	31	401	66.0	20.5	0.21	1.80	0.30	8.32	3.87	101	8.4	70.2	21.5
TEQ21	31	422	65.8	20.7	0.21	1.93	0.33	8.29	3.55	101	9.1	70.9	20.0
TEQ21	31	441	65.6	20.8	0.18	1.93	0.40	8.13	3.67	101	9.2	70.0	20.8
TEQ21	31	461	66.4	20.1	0.15	1.40	0.34	7.85	4.35	101	6.7	68.4	24.9
TEQ21	31	482	66.6	20.1	0.14	1.43	0.47	8.29	4.06	101	6.7	70.6	22.7
COMP3	1	20	58.5	26.2	0.33	8.04	0.01	6.77	0.34	100	38.8	59.2	2.0
COMP3	1	39	58.6	26.2	0.29	8.49	0.02	7.08	0.34	101	39.1	59.0	1.9
COMP3	1	59	58.2	25.8	0.34	8.82	0.07	6.85	0.30	100	40.9	57.5	1.7
COMP3	1	79	58.6	26.0	0.19	8.38	0.03	6.93	0.38	100	39.2	58.7	2.1
COMP3	1	99	58.5	25.9	0.23	8.48	0.08	6.77	0.41	100	40.0	57.7	2.3
COMP3	1	118	58.3	26.2	0.19	8.02	0.03	6.73	0.37	100	38.9	59.0	2.1
COMP3	1	138	59.1	26.2	0.18	8.40	0.08	6.88	0.35	101	39.5	58.5	2.0
COMP3	1	158	58.9	26.8	0.23	7.98	0.11	6.96	0.36	101	38.0	60.0	2.1
COMP3	1	178	58.8	26.4	0.20	8.40	0.11	6.68	0.36	101	40.2	57.8	2.0
COMP3	1	197	58.3	25.9	0.31	8.16	0.03	6.82	0.32	100	39.1	59.1	1.8
COMP3	1	217	58.7	26.1	0.28	8.51	0.04	6.70	0.35	101	40.4	57.6	2.0
COMP3	1	237	58.5	26.4	0.25	8.23	0.05	6.73	0.34	100	39.5	58.5	1.9
COMP3	1	257	58.1	26.6	0.21	8.47	0.04	6.46	0.41	100	41.0	56.6	2.4
COMP3	1	276	58.0	26.3	0.15	8.78	0.02	6.69	0.28	100	41.4	57.1	1.6
COMP3	1	296	57.7	26.4	0.18	8.19	0.08	6.72	0.33	100	39.5	58.6	1.9
COMP3	1	316	57.5	26.9	0.18	9.28	0.03	6.32	0.38	101	43.9	54.0	2.1
COMP3	1	336	57.4	27.2	0.22	9.27	0.03	6.16	0.20	101	44.9	54.0	1.1
COMP3	1	355	56.7	27.0	0.31	9.49	0.03	5.97	0.22	100	46.2	52.6	1.2
COMP3	1	375	56.4	27.1	0.23	9.92	0.09	6.32	0.28	100	45.8	52.7	1.5
COMP3	1	395	56.9	27.6	0.40	9.67	0.11	5.82	0.27	101	47.1	51.3	1.6
COMP3	1	414	56.0	27.4	0.40	9.35	0.06	5.93	0.21	99	46.0	52.8	1.2
COMP3	1	434	54.4	27.1	0.43	10.24	0.00	5.67	0.79	99	47.8	47.9	4.4
COMP3	1	454	56.5	28.2	0.43	10.15	0.05	5.72	0.23	101	48.9	49.8	1.3
COMP3	1	474	56.3	28.0	0.40	10.27	0.09	5.77	0.28	101	48.8	49.6	1.6
COMP3	1	493	56.6	27.5	0.28	9.45	0.05	5.78	0.20	100	46.9	51.9	1.2
COMP3	1	513	58.8	25.3	0.45	7.57	0.13	7.03	0.52	100	36.2	60.9	2.9
COMP3	1	553	56.1	26.7	0.34	9.80	0.19	5.96	0.19	99	47.1	51.8	1.1
COMP3	1	572	55.3	27.5	0.32	9.77	0.08	5.93	0.26	99	47.0	51.6	1.5

COMP3	2	0	58.1	26.4	0.16	8.14	0.05	6.59	0.45	100	39.5	57.9	2.6
COMP3	2	30	58.9	26.1	0.23	8.49	0.02	6.79	0.35	101	40.1	58.0	2.0
COMP3	2	76	46.0	41.2	0.24	6.53	0.04	4.87	0.28	99	41.6	56.2	2.2
COMP3	2	106	52.9	32.7	0.28	7.26	0.07	5.83	0.28	99	40.0	58.1	1.9
COMP3	2	152	58.6	26.9	0.26	7.82	0.11	6.79	0.33	101	38.1	59.9	1.9
COMP3	2	243	57.5	27.5	0.24	8.29	0.04	6.39	0.23	100	41.2	57.4	1.4
COMP3	2	243	56.4	27.7	0.19	8.02	0.15	6.37	0.24	99	40.4	58.1	1.4
COMP3	2	258	58.1	26.2	0.26	8.42	0.21	6.61	0.34	100	40.5	57.6	1.9
COMP3	2	273	56.5	28.0	0.28	7.89	0.04	6.33	0.38	99	39.8	57.9	2.3
COMP3	2	302	59.1	26.4	0.22	8.47	0.03	6.89	0.27	101	39.8	58.6	1.5
COMP3	2	331	55.1	29.3	0.25	7.98	0.03	6.27	0.35	99	40.4	57.5	2.1
COMP3	2	361	57.9	27.3	0.12	8.15	0.01	6.79	0.41	101	38.9	58.7	2.3
COMP3	2	375	58.5	26.7	0.23	7.86	0.10	6.79	0.32	100	38.3	59.9	1.8
COMP3	3	0	57.4	27.3	0.37	8.19	0.15	6.64	0.40	101	39.6	58.1	2.3
COMP3	3	16.0863296	56.2	27.8	0.27	8.14	0.15	6.48	0.42	100	40.0	57.6	2.4
COMP3	3	64.31877868	54.2	30.5	0.29	7.58	0.11	6.17	0.25	99	39.8	58.6	1.6
COMP3	3	112.6063378	56.3	28.9	0.22	7.57	0.06	6.34	0.33	100	39.0	59.0	2.0
COMP3	3	144.8075674	55.8	28.1	0.37	7.98	0.19	6.26	0.31	99	40.5	57.6	1.9
COMP3	3	160.893897	56.9	27.7	0.39	8.75	0.11	6.36	0.28	101	42.5	55.9	1.6
COMP3	3	176.9251165	57.9	26.7	0.28	8.01	0.04	6.60	0.40	100	39.2	58.5	2.3
COMP3	3	209.126346	55.8	28.2	0.26	7.73	0.03	6.46	0.43	99	38.8	58.7	2.5
COMP3	4	40	58.8	26.5	0.28	8.45	0.10	6.55	0.32	101	40.9	57.3	1.8
COMP3	4	81	55.8	30.6	0.28	7.70	0.02	6.15	0.37	101	40.0	57.8	2.3
COMP3	4	101	58.0	27.0	0.32	8.00	0.12	6.84	0.38	101	38.4	59.4	2.1
COMP3	4	122	58.7	26.3	0.31	8.22	0.06	6.76	0.40	101	39.3	58.4	2.3
COMP3	4	182	56.9	27.6	0.34	8.29	0.03	6.79	0.33	100	39.5	58.6	1.9
COMP3	4	223	58.1	26.6	0.33	8.33	0.07	6.67	0.25	100	40.2	58.3	1.5
COMP3	4	243	56.3	28.1	0.36	8.81	0.03	6.45	0.37	100	42.1	55.8	2.1
COMP3	4	284	56.5	27.2	0.31	9.68	0.05	5.93	0.21	100	46.9	51.9	1.2
COMP3	4	344	57.4	26.9	0.31	9.18	0.16	6.37	0.27	101	43.7	54.8	1.5
COMP3	4	365	57.0	26.7	0.34	8.99	0.00	6.45	0.36	100	42.6	55.3	2.0
COMP3	4	385	56.8	26.5	0.33	9.04	0.05	6.40	0.34	99	43.0	55.1	1.9
COMP3	4	425	54.7	30.6	0.26	8.62	0.08	5.58	0.43	100	44.9	52.5	2.6
COMP3	4	466	56.8	27.2	0.29	9.23	0.09	6.23	0.27	100	44.3	54.1	1.5
COMP3	4	486	56.2	27.6	0.29	8.44	0.12	6.42	0.28	99	41.4	57.0	1.7
COMP3	4	547	57.9	27.0	0.36	7.95	0.08	6.54	0.29	100	39.5	58.8	1.7
COMP3	4	567	55.8	28.5	0.22	8.45	0.04	6.29	0.35	100	41.8	56.2	2.0
COMP3	4	587	50.5	34.5	0.20	7.33	0.01	5.61	0.35	99	41.0	56.7	2.3
COMP3	4	608	57.9	27.5	0.25	7.74	0.13	6.61	0.34	101	38.5	59.5	2.0
COMP3	4	628	56.3	27.9	0.19	8.12	0.04	6.59	0.33	99	39.7	58.3	1.9
COMP3	4	648	56.7	28.2	0.15	7.68	0.09	6.36	0.46	100	38.9	58.3	2.8
COMP3	4	668	57.7	26.4	0.31	8.15	0.09	6.81	0.37	100	39.0	58.9	2.1
COMP3	4	729	57.2	27.7	0.37	8.25	0.07	6.76	0.31	101	39.5	58.7	1.8
COMP3	4	749	58.3	26.9	0.24	7.70	0.07	6.64	0.40	100	38.1	59.5	2.3
COMP3	4	770	58.7	26.1	0.23	8.13	0.06	6.82	0.33	100	39.0	59.2	1.9
COMP3	4	790	54.0	32.5	0.21	7.55	0.07	5.96	0.32	101	40.4	57.6	2.0
COMP3	5	0	54.4	29.2	0.33	11.56	0.07	4.85	0.25	101	56.0	42.5	1.4
COMP3	5	25	53.7	29.1	0.38	11.64	0.07	4.92	0.15	100	56.2	43.0	0.9
COMP3	5	50	53.1	29.8	0.33	11.90	0.17	4.60	0.17	100	58.3	40.7	1.0
COMP3	5	75	52.9	30.6	0.27	12.79	0.07	4.23	0.10	101	62.2	37.2	0.6
COMP3	5	100	52.0	30.4	0.37	13.19	0.09	3.85	0.04	100	65.2	34.5	0.3
COMP3	5	125	51.5	30.4	0.33	13.46	0.09	3.87	0.09	100	65.4	34.0	0.5
COMP3	5	149	51.5	31.1	0.27	13.40	0.02	3.95	0.06	100	65.0	34.7	0.4
COMP3	5	174	51.4	31.3	0.26	13.47	0.18	3.61	0.09	100	67.0	32.5	0.5
COMP3	5	199	50.6	31.0	0.37	14.04	0.13	3.74	0.23	100	66.6	32.1	1.3
COMP3	5	224	51.0	31.6	0.29	14.53	0.11	3.41	0.13	101	69.7	29.6	0.7
COMP3	5	249	49.6	31.8	0.42	14.69	0.16	3.31	0.12	100	70.6	28.8	0.7
COMP3	5	274	49.6	31.8	0.23	14.63	0.14	3.24	0.11	100	70.9	28.4	0.6
COMP3	5	299	51.1	30.6	0.22	13.32	0.06	3.95	0.19	100	64.4	34.5	1.1
COMP3	5	324	51.8	30.9	0.30	13.83	0.05	3.77	0.16	101	66.4	32.7	0.9

COMP3	5	349	50.6	31.5	0.29	13.51	0.15	3.69	0.18	100	66.2	32.7	1.1
COMP3	5	374	52.4	31.2	0.32	13.31	0.02	3.97	0.12	101	64.5	34.8	0.7
COMP3	5	399	51.3	31.0	0.28	13.76	0.02	4.00	0.12	101	65.1	34.3	0.7
COMP3	5	423	50.7	31.5	0.32	14.55	0.07	3.43	0.13	101	69.6	29.7	0.8
COMP3	5	448	51.4	31.4	0.20	13.14	0.01	3.78	0.09	100	65.4	34.1	0.5
COMP3	5	473	51.6	31.2	0.26	13.09	0.07	3.83	0.10	100	65.0	34.4	0.6
COMP3	5	523	51.7	30.6	0.34	13.36	0.01	3.87	0.15	100	65.1	34.1	0.9
COMP3	5	548	51.5	30.6	0.42	13.18	0.04	3.92	0.11	100	64.6	34.8	0.6
COMP3	5	573	51.7	30.9	0.41	13.65	0.13	3.74	0.17	101	66.2	32.8	1.0
COMP3	5	598	51.2	30.9	0.48	14.74	0.07	3.70	0.18	101	68.1	30.9	1.0
COMP3	5	623	50.7	31.1	0.32	13.78	0.00	3.55	0.12	100	67.7	31.6	0.7
COMP3	5	648	51.5	31.1	0.32	13.46	0.01	3.75	0.16	100	65.9	33.2	0.9
COMP3	5	673	50.7	31.1	0.36	14.07	0.08	3.70	0.15	100	67.2	32.0	0.8
COMP3	5	698	50.8	30.7	0.43	13.43	0.22	3.72	0.15	99	66.0	33.1	0.9
COMP3	5	722	51.8	31.2	0.54	14.01	0.09	3.63	0.16	101	67.5	31.6	0.9
COMP3	5	747	50.6	31.1	0.43	14.04	0.01	3.66	0.15	100	67.4	31.8	0.9
COMP3	5	772	47.4	33.0	0.55	16.45	0.01	2.26	0.08	100	79.8	19.8	0.5
COMP3	5	797	51.3	30.8	0.41	13.75	0.06	3.76	0.14	100	66.4	32.8	0.8
COMP3	5	822	50.4	31.2	0.40	14.06	0.09	3.42	0.07	100	69.2	30.4	0.4
COMP3	5	847	51.4	31.0	0.48	14.33	0.07	3.59	0.12	101	68.3	31.0	0.7
COMP3	5	872	51.2	31.0	0.36	13.97	0.04	3.74	0.10	100	67.0	32.5	0.6
COMP3	5	897	53.0	30.3	0.35	12.48	0.04	4.57	0.15	101	59.7	39.5	0.8
COMP3	5	922	54.1	28.6	0.28	10.99	0.02	4.91	0.22	99	54.6	44.1	1.3
COMP3	5	947	55.5	28.2	0.18	10.14	0.04	5.53	0.25	100	49.6	48.9	1.5
COMP3	5	972	57.7	27.3	0.37	8.99	0.05	6.30	0.23	101	43.5	55.2	1.3
COMP3	6	0	50.9	30.7	0.38	13.74	0.04	3.71	0.09	100	66.8	32.7	0.5
COMP3	6	15	52.1	30.2	0.42	12.93	0.13	3.84	0.13	100	64.6	34.7	0.8
COMP3	6	30	56.0	28.4	0.18	9.91	0.10	5.57	0.23	101	48.9	49.7	1.4
COMP3	6	45	57.2	26.4	0.33	9.50	0.10	6.08	0.38	100	45.3	52.5	2.2
COMP3	6	60	55.7	28.0	0.23	10.54	0.12	5.81	0.30	101	49.2	49.1	1.7
COMP3	6	75	55.3	28.8	0.36	10.84	0.08	5.36	0.22	101	52.1	46.6	1.2
COMP3	6	90	52.0	30.6	0.48	12.96	0.01	3.99	0.17	100	63.6	35.4	1.0
COMP3	6	104	51.2	31.0	0.31	13.59	0.01	3.98	0.09	100	65.0	34.5	0.5
COMP3	6	119	46.9	33.0	0.43	13.69	0.01	3.38	0.15	98	68.5	30.6	0.9
COMP3	6	134	52.0	30.0	0.35	13.51	0.02	3.87	0.14	100	65.3	33.9	0.8
COMP3	6	149	51.5	30.9	0.40	13.91	0.10	3.94	0.13	101	65.6	33.6	0.7
COMP3	6	164	51.0	31.3	0.51	13.87	0.06	3.69	0.07	101	67.2	32.4	0.4
COMP3	6	179	51.1	30.7	0.44	13.46	0.06	3.93	0.12	100	65.0	34.3	0.7
COMP3	6	194	46.8	32.5	0.33	16.10	0.03	2.15	0.09	98	80.1	19.4	0.5
COMP3	6	209	56.2	27.8	0.23	9.91	0.02	5.83	0.25	100	47.7	50.8	1.4
COMP3	6	224	56.0	28.1	0.31	9.95	0.01	5.99	0.34	101	46.9	51.1	1.9
COMP3	6	239	56.6	26.8	0.21	9.42	0.13	6.12	0.27	100	45.3	53.2	1.5
COMP3	6	254	56.7	27.1	0.19	9.00	0.01	6.30	0.33	100	43.3	54.8	1.9
COMP3	6	269	55.8	27.4	0.26	10.79	0.08	5.56	0.32	100	50.8	47.4	1.8
COMP3	6	284	76.9	12.8	0.71	0.96	0.08	3.91	3.57	99	7.8	57.6	34.6
COMP3	7	0	51.8	30.1	0.54	13.18	0.09	4.10	0.17	100	63.4	35.6	0.9
COMP3	7	15	51.7	30.3	0.54	13.78	0.02	4.05	0.07	101	65.0	34.6	0.4
COMP3	7	31	51.4	30.8	0.55	13.38	0.09	3.69	0.11	100	66.3	33.1	0.6
COMP3	7	46	47.5	33.4	0.49	16.64	0.02	2.03	0.01	100	81.9	18.0	0.1
COMP3	7	62	54.5	28.6	0.34	11.47	0.03	5.35	0.17	101	53.7	45.3	1.0
COMP3	7	93	53.2	29.2	0.29	11.66	0.12	4.62	0.12	99	57.8	41.4	0.7
COMP3	7	108	51.4	30.9	0.34	13.18	0.10	3.77	0.14	100	65.3	33.8	0.8
COMP3	7	124	50.9	31.1	0.27	13.84	0.02	3.50	0.06	100	68.4	31.3	0.3
COMP3	7	155	48.3	33.6	0.29	16.34	0.02	2.22	0.03	101	80.1	19.7	0.2
COMP3	7	170	51.6	31.5	0.31	14.08	0.04	3.61	0.08	101	68.0	31.6	0.5
COMP3	7	185	51.0	31.3	0.29	13.50	0.01	3.71	0.07	100	66.5	33.1	0.4
COMP3	7	201	51.0	30.7	0.48	14.23	0.11	3.59	0.25	100	67.7	30.9	1.4
COMP3	7	216	50.8	30.8	0.54	14.19	0.09	3.75	0.13	100	67.1	32.1	0.7
COMP3	7	232	52.2	30.7	0.33	13.13	0.05	3.91	0.11	100	64.6	34.8	0.6
COMP3	7	247	52.3	29.9	0.42	13.43	0.02	4.10	0.13	100	63.9	35.3	0.7
COMP3	7	263	53.3	29.5	0.32	12.19	0.02	4.60	0.14	100	59.0	40.2	0.8
COMP3	7	278	53.1	29.0	0.39	11.51	0.08	4.71	0.15	99	57.0	42.2	0.9
COMP3	7	294	55.2	28.2	0.28	10.38	0.03	5.60	0.27	100	49.8	48.6	1.5
COMP3	8	0	54.4	29.2	0.33	11.56	0.07	4.85	0.25	101	56.0	42.5	1.4

COMP3	8	25	53.7	29.1	0.38	11.64	0.07	4.92	0.15	100	56.2	43.0	0.9
COMP3	8	50	53.1	29.8	0.33	11.90	0.17	4.60	0.17	100	58.3	40.7	1.0
COMP3	8	75	52.9	30.6	0.27	12.79	0.07	4.23	0.10	101	62.2	37.2	0.6
COMP3	8	100	52.0	30.4	0.37	13.19	0.09	3.85	0.04	100	65.2	34.5	0.3
COMP3	8	125	51.5	30.4	0.33	13.46	0.09	3.87	0.09	100	65.4	34.0	0.5
COMP3	8	149	51.5	31.1	0.27	13.40	0.02	3.95	0.06	100	65.0	34.7	0.4
COMP3	8	174	51.4	31.3	0.26	13.47	0.18	3.61	0.09	100	67.0	32.5	0.5
COMP3	8	199	50.6	31.0	0.37	14.04	0.13	3.74	0.23	100	66.6	32.1	1.3
COMP3	8	224	51.0	31.6	0.29	14.53	0.11	3.41	0.13	101	69.7	29.6	0.7
COMP3	8	249	49.6	31.8	0.42	14.69	0.16	3.31	0.12	100	70.6	28.8	0.7
COMP3	8	274	49.6	31.8	0.23	14.63	0.14	3.24	0.11	100	70.9	28.4	0.6
COMP3	8	299	51.1	30.6	0.22	13.32	0.06	3.95	0.19	100	64.4	34.5	1.1
COMP3	8	324	51.8	30.9	0.30	13.83	0.05	3.77	0.16	101	66.4	32.7	0.9
COMP3	8	349	50.6	31.5	0.29	13.51	0.15	3.69	0.18	100	66.2	32.7	1.1
COMP3	8	374	52.4	31.2	0.32	13.31	0.02	3.97	0.12	101	64.5	34.8	0.7
COMP3	8	399	51.3	31.0	0.28	13.76	0.02	4.00	0.12	101	65.1	34.3	0.7
COMP3	8	423	50.7	31.5	0.32	14.55	0.07	3.43	0.13	101	69.6	29.7	0.8
COMP3	8	448	51.4	31.4	0.20	13.14	0.01	3.78	0.09	100	65.4	34.1	0.5
COMP3	8	473	51.6	31.2	0.26	13.09	0.07	3.83	0.10	100	65.0	34.4	0.6
COMP3	8	498	49.1	31.4	0.34	13.78	0.12	3.58	0.12	98	67.5	31.8	0.7
COMP3	8	523	51.7	30.6	0.34	13.36	0.01	3.87	0.15	100	65.1	34.1	0.9
COMP3	8	548	51.5	30.6	0.42	13.18	0.04	3.92	0.11	100	64.6	34.8	0.6
COMP3	8	573	51.7	30.9	0.41	13.65	0.13	3.74	0.17	101	66.2	32.8	1.0
COMP3	8	598	51.2	30.9	0.48	14.74	0.07	3.70	0.18	101	68.1	30.9	1.0
COMP3	8	623	50.7	31.1	0.32	13.78	0.00	3.55	0.12	100	67.7	31.6	0.7
COMP3	8	648	51.5	31.1	0.32	13.46	0.01	3.75	0.16	100	65.9	33.2	0.9
COMP3	8	673	50.7	31.1	0.36	14.07	0.08	3.70	0.15	100	67.2	32.0	0.8
COMP3	8	698	50.8	30.7	0.43	13.43	0.22	3.72	0.15	99	66.0	33.1	0.9
COMP3	8	722	51.8	31.2	0.54	14.01	0.09	3.63	0.16	101	67.5	31.6	0.9
COMP3	8	747	50.6	31.1	0.43	14.04	0.01	3.66	0.15	100	67.4	31.8	0.9
COMP3	8	772	47.4	33.0	0.55	16.45	0.01	2.26	0.08	100	79.8	19.8	0.5
COMP3	8	797	51.3	30.8	0.41	13.75	0.06	3.76	0.14	100	66.4	32.8	0.8
COMP3	8	822	50.4	31.2	0.40	14.06	0.09	3.42	0.07	100	69.2	30.4	0.4
COMP3	8	847	51.4	31.0	0.48	14.33	0.07	3.59	0.12	101	68.3	31.0	0.7
COMP3	8	872	51.2	31.0	0.36	13.97	0.04	3.74	0.10	100	67.0	32.5	0.6
COMP3	8	897	53.0	30.3	0.35	12.48	0.04	4.57	0.15	101	59.7	39.5	0.8
COMP3	8	922	54.1	28.6	0.28	10.99	0.02	4.91	0.22	99	54.6	44.1	1.3
COMP3	8	947	55.5	28.2	0.18	10.14	0.04	5.53	0.25	100	49.6	48.9	1.5
COMP3	8	972	57.7	27.3	0.37	8.99	0.05	6.30	0.23	101	43.5	55.2	1.3
COMP3	9	0	58.5	26.4	0.22	8.18	0.01	6.79	0.36	101	39.2	58.8	2.0
COMP3	9	17	57.8	26.5	0.26	8.31	0.01	6.74	0.40	100	39.6	58.1	2.3
COMP3	9	35	58.5	26.8	0.24	8.24	0.05	6.69	0.36	101	39.7	58.3	2.0
COMP3	9	51	58.0	26.6	0.23	8.28	0.02	6.84	0.38	100	39.2	58.6	2.1
COMP3	9	69	59.0	26.2	0.24	7.75	0.07	7.09	0.37	101	36.9	61.1	2.1
COMP3	9	85	58.7	26.6	0.22	8.32	0.05	6.75	0.38	101	39.7	58.2	2.1
COMP3	9	103	58.2	26.6	0.25	8.00	0.01	6.76	0.36	100	38.7	59.2	2.1
COMP3	9	120	58.0	26.4	0.23	8.44	0.05	6.76	0.32	100	40.1	58.1	1.8
COMP3	9	137	58.4	26.6	0.19	8.30	0.00	6.80	0.35	101	39.5	58.5	2.0
COMP3	9	154	57.9	26.9	0.19	8.42	0.06	6.66	0.34	100	40.3	57.7	1.9
COMP3	9	171	57.9	26.7	0.19	8.50	0.02	6.57	0.32	100	40.9	57.2	1.9
COMP3	9	188	57.6	27.0	0.24	8.69	0.01	6.55	0.34	100	41.5	56.6	1.9
COMP3	9	205	58.1	26.6	0.22	8.43	0.02	6.67	0.29	100	40.4	57.9	1.6
COMP3	9	222	58.4	26.5	0.23	8.28	0.04	6.81	0.33	101	39.4	58.7	1.9
COMP3	9	239	57.9	26.7	0.21	8.28	0.01	6.75	0.30	100	39.7	58.6	1.7
COMP3	9	256	58.7	26.5	0.25	8.10	0.01	6.78	0.35	101	39.0	59.1	2.0
COMP3	9	273	57.9	26.3	0.24	8.14	0.05	6.78	0.33	100	39.1	59.0	1.9
COMP3	9	290	57.8	26.6	0.23	8.30	0.00	6.87	0.31	100	39.3	58.9	1.8
COMP3	9	307	58.1	26.4	0.21	8.22	0.03	6.92	0.41	100	38.7	59.0	2.3
COMP3	9	325	58.1	26.6	0.22	8.12	0.03	6.91	0.39	100	38.5	59.3	2.2
COMP3	9	341	57.7	26.4	0.22	8.13	0.02	6.73	0.35	100	39.2	58.8	2.0
COMP3	9	359	58.4	26.2	0.21	8.24	0.02	6.78	0.36	100	39.4	58.6	2.0
COMP3	9	375	57.8	26.5	0.20	8.47	0.03	6.59	0.36	100	40.7	57.3	2.1
COMP3	9	393	58.2	26.7	0.18	8.08	0.00	6.81	0.36	100	38.8	59.2	2.1
COMP3	9	410	58.4	26.1	0.19	7.75	0.01	7.08	0.34	100	37.0	61.1	1.9

COMP3	10	0	58.3	27.2	0.25	8.12	0.04	6.68	0.32	101	39.4	58.7	1.9
COMP3	10	15	57.5	26.1	0.23	8.41	0.00	6.28	0.34	99	41.7	56.3	2.0
COMP3	10	30	57.9	27.1	0.25	8.44	0.05	6.59	0.33	101	40.6	57.4	1.9
COMP3	10	45	51.4	33.9	0.22	7.40	0.03	5.69	0.33	99	40.9	56.9	2.2
COMP3	10	60	57.8	27.6	0.21	8.32	0.04	6.47	0.36	101	40.7	57.2	2.1
COMP3	10	91	57.5	27.4	0.23	8.25	0.03	6.57	0.33	100	40.2	57.9	1.9
COMP3	10	136	58.3	26.5	0.25	8.31	0.01	6.65	0.32	100	40.1	58.0	1.9
COMP3	10	152	58.4	26.4	0.20	8.33	0.04	6.72	0.33	100	39.9	58.2	1.9
COMP3	10	167	57.8	26.8	0.23	8.37	0.00	6.68	0.35	100	40.1	57.9	2.0
COMP3	10	182	58.2	26.9	0.29	8.47	0.01	6.72	0.37	101	40.2	57.7	2.1
COMP3	10	212	56.5	28.8	0.21	7.92	0.01	6.17	0.36	100	40.6	57.2	2.2
COMP3	10	228	54.9	29.2	0.22	7.98	0.02	6.30	0.32	99	40.4	57.7	1.9
COMP3	10	243	56.8	28.9	0.26	8.22	0.06	6.35	0.32	101	40.9	57.2	1.9
COMP3	10	258	57.9	26.9	0.19	8.24	0.02	6.64	0.33	100	39.9	58.2	1.9
COMP3	10	273	58.5	26.8	0.26	8.37	0.12	6.81	0.33	101	39.7	58.4	1.9
COMP3	10	288	54.0	30.5	0.27	7.91	0.02	6.17	0.35	99	40.6	57.3	2.1
COMP3	10	304	56.7	27.7	0.24	8.28	0.03	6.73	0.35	100	39.7	58.3	2.0
COMP3	10	334	58.7	26.7	0.20	8.10	0.02	6.72	0.35	101	39.2	58.8	2.0
COMP3	10	349	57.7	26.5	0.24	8.21	0.03	6.80	0.36	100	39.2	58.7	2.1
COMP3	10	365	57.8	26.6	0.22	8.30	0.04	6.64	0.37	100	40.0	57.9	2.1
COMP3	11	0	52.7	31.9	0.28	7.44	0.00	5.62	0.33	98	41.3	56.4	2.2
COMP3	11	10	30.1	61.3	0.23	4.27	0.05	2.72	0.17	99	45.5	52.4	2.2
COMP3	11	42	52.7	31.9	0.25	7.64	0.02	5.74	0.34	99	41.5	56.4	2.2
COMP3	11	64	53.8	31.4	0.24	7.15	0.02	6.06	0.30	99	38.7	59.3	1.9
COMP3	11	74	49.1	34.2	0.33	11.23	0.05	4.09	0.15	99	59.7	39.3	1.0
COMP3	11	97	44.0	37.9	0.54	15.26	0.00	1.90	0.05	100	81.3	18.4	0.3
COMP3	12	0	58.5	26.5	0.20	8.12	0.02	6.78	0.34	100	39.1	59.0	1.9
COMP3	12	13	58.0	26.2	0.26	8.11	0.00	6.71	0.30	100	39.3	58.9	1.7
COMP3	12	41	54.1	30.4	0.26	7.61	0.02	6.10	0.34	99	39.9	57.9	2.1
COMP3	12	69	55.3	29.4	0.26	7.74	0.02	6.37	0.31	99	39.4	58.7	1.9
COMP3	12	84	54.5	29.4	0.22	7.84	0.00	6.14	0.33	99	40.5	57.5	2.0
COMP3	12	97	54.4	29.7	0.24	7.66	0.05	6.22	0.36	99	39.6	58.2	2.2
COMP3	12	112	55.1	29.1	0.20	7.91	0.03	6.38	0.35	99	39.8	58.1	2.1
COMP3	12	125	55.9	28.4	0.20	7.84	0.06	6.12	0.34	99	40.6	57.3	2.1
COMP3	12	140	57.0	28.0	0.22	7.80	0.01	6.61	0.36	100	38.6	59.2	2.1
COMP3	12	153	57.2	27.6	0.26	8.24	0.01	6.49	0.32	100	40.5	57.7	1.9
COMP3	12	168	56.3	29.6	0.28	7.82	0.00	6.61	0.33	101	38.8	59.3	1.9
COMP3	13	0	57.8	26.3	0.22	8.13	0.05	6.73	0.33	100	39.3	58.9	1.9
COMP3	13	13	58.3	26.3	0.21	7.98	0.01	6.77	0.31	100	38.8	59.5	1.8
COMP3	13	27	45.0	42.9	0.26	6.28	0.02	4.86	0.31	100	40.6	57.0	2.4
COMP3	13	40	55.9	28.7	0.24	7.84	0.02	6.46	0.37	100	39.3	58.5	2.2
COMP3	13	68	55.3	28.7	0.24	7.92	0.04	6.45	0.36	99	39.6	58.3	2.1
COMP3	13	81	56.0	28.2	0.25	7.67	0.00	6.47	0.36	99	38.7	59.1	2.2
COMP3	13	95	57.0	28.3	0.27	7.39	0.00	6.60	0.36	100	37.4	60.4	2.2
COMP3	13	108	56.6	27.4	0.25	7.91	0.03	6.55	0.32	99	39.3	58.8	1.9
COMP3	13	122	57.3	27.0	0.25	8.09	0.07	6.66	0.34	100	39.4	58.6	2.0
COMP3	13	150	56.8	28.4	0.23	8.01	0.02	6.53	0.32	100	39.6	58.5	1.9
COMP3	13	177	56.2	28.2	0.22	8.07	0.01	6.57	0.33	100	39.6	58.4	1.9
COMP3	13	190	56.5	28.3	0.23	7.99	0.04	6.38	0.35	100	40.0	57.9	2.1
COMP3	13	204	55.0	29.0	0.29	8.75	0.00	6.03	0.29	99	43.8	54.5	1.7
COMP3	13	218	55.2	28.7	0.24	9.46	0.02	5.80	0.26	100	46.7	51.8	1.5
COMP3	13	231	55.4	28.4	0.29	9.33	0.03	5.95	0.27	100	45.7	52.7	1.6
COMP3	13	245	54.1	29.5	0.25	8.77	0.05	5.38	0.30	98	46.5	51.6	1.9
COMP3	13	259	55.9	28.8	0.25	8.75	0.00	6.08	0.29	100	43.5	54.7	1.7
COMP3	14	0	54.5	29.9	0.24	7.78	0.03	5.70	0.37	99	42.0	55.7	2.4
COMP3	14	14	55.2	29.8	0.19	7.67	0.03	6.23	0.31	100	39.7	58.4	1.9
COMP3	14	27	55.1	29.9	0.22	7.66	0.01	6.12	0.33	99	40.1	57.9	2.1
COMP3	14	40	55.3	29.3	0.27	7.85	0.03	6.26	0.37	99	40.0	57.8	2.2
COMP3	14	53	52.5	32.6	0.24	7.67	0.06	5.93	0.31	99	40.9	57.2	1.9
COMP3	14	66	56.0	28.9	0.32	8.00	0.03	6.30	0.32	100	40.5	57.6	1.9
COMP3	14	92	55.8	29.0	0.25	7.78	0.04	6.23	0.35	99	40.0	57.9	2.1
COMP3	14	119	55.4	28.5	0.22	7.68	0.04	6.36	0.37	99	39.1	58.6	2.3
COMP3	14	132	56.2	28.9	0.18	7.58	0.00	6.48	0.38	100	38.4	59.3	2.3
COMP3	14	145	56.7	29.0	0.26	7.63	0.01	6.51	0.35	101	38.5	59.4	2.1

COMP3	14	158	56.3	28.5	0.26	7.80	0.00	6.08	0.32	99	40.7	57.4	2.0
COMP3	15	27	56.0	28.9	0.26	7.90	0.02	6.32	0.39	100	39.9	57.8	2.4
COMP3	15	41	55.2	29.0	0.26	7.96	0.02	6.23	0.34	99	40.5	57.4	2.0
COMP3	15	55	55.9	28.7	0.25	7.48	0.01	6.19	0.33	99	39.2	58.7	2.0
COMP3	15	82	51.5	33.4	0.26	7.48	0.04	5.71	0.31	99	41.1	56.8	2.0
COMP3	15	110	52.3	32.9	0.23	7.08	0.04	6.07	0.29	99	38.5	59.7	1.9
COMP3	16	33	58.5	26.3	0.20	7.97	0.01	6.89	0.35	100	38.2	59.8	2.0
COMP3	16	50	57.6	26.7	0.24	8.07	0.02	6.85	0.34	100	38.7	59.4	1.9
COMP3	16	84	58.5	26.2	0.23	7.92	0.03	5.85	0.38	99	41.8	55.9	2.4
COMP3	16	100	58.7	26.2	0.28	8.23	0.03	6.75	0.34	101	39.4	58.6	2.0
COMP3	16	116	58.2	26.3	0.27	8.12	0.01	5.71	0.32	99	43.1	54.8	2.0
COMP3	16	133	58.3	27.1	0.21	8.12	0.04	6.76	0.33	101	39.1	59.0	1.9
COMP3	16	150	58.2	27.8	0.21	8.07	0.02	5.29	0.34	100	44.8	53.0	2.2
COMP3	16	166	58.0	26.8	0.22	8.36	0.01	6.61	0.32	101	40.4	57.8	1.9
COMP3	16	182	47.8	37.5	0.22	7.36	0.03	5.24	0.29	99	42.8	55.1	2.0
COMP3	16	199	57.0	27.7	0.25	8.11	0.00	6.53	0.36	100	39.9	58.1	2.1
COMP3	16	232	58.1	27.1	0.26	8.19	0.03	6.62	0.37	101	39.7	58.1	2.2
COMP3	16	248	57.0	27.4	0.29	8.30	0.04	6.64	0.34	100	40.0	58.0	2.0
COMP3	16	265	53.0	32.7	0.24	7.78	0.01	5.93	0.31	100	41.2	56.8	2.0
COMP3	16	281	57.7	27.0	0.25	8.19	0.03	6.61	0.33	100	39.9	58.2	1.9
COMP3	16	314	56.9	27.7	0.22	8.13	0.00	6.45	0.38	100	40.1	57.6	2.2
COMP3	16	331	57.8	26.5	0.21	7.34	0.01	6.95	0.44	99	35.9	61.6	2.5
COMP3	16	348	57.5	27.4	0.25	7.66	0.00	6.77	0.36	100	37.7	60.2	2.1
COMP3	16	364	36.1	51.6	0.23	5.02	0.05	5.10	0.39	99	34.1	62.8	3.1
COMP3	16	447	57.4	27.7	0.25	7.64	0.08	6.64	0.36	100	38.0	59.9	2.1
COMP3	16	463	56.1	28.4	0.22	7.80	0.03	6.47	0.33	99	39.2	58.8	2.0
COMP3	16	480	56.1	28.2	0.23	7.82	0.02	6.43	0.33	99	39.4	58.6	2.0
COMP3	16	496	43.7	43.4	0.24	6.47	0.02	4.60	0.31	99	42.7	54.9	2.4
COMP3	16	529	45.4	42.6	0.21	6.48	0.06	4.33	0.29	99	44.2	53.4	2.4
COMP3	16	545	57.1	27.2	0.26	8.04	0.01	6.54	0.36	99	39.6	58.3	2.1
COMP3	16	563	57.1	26.5	0.21	8.05	0.01	6.47	0.39	99	39.8	57.9	2.3
COMP3	16	579	56.5	28.1	0.27	7.85	0.01	6.41	0.35	99	39.5	58.4	2.1
COMP3	16	662	58.4	26.7	0.22	7.83	0.02	6.45	0.40	100	39.2	58.4	2.4
COMP3	16	678	57.3	27.3	0.23	7.87	0.00	6.35	0.36	99	39.8	58.1	2.2
COMP3	16	695	57.0	27.4	0.26	7.73	0.03	6.67	0.33	99	38.3	59.8	2.0
COMP3	16	727	57.2	28.0	0.25	7.88	0.00	6.66	0.34	100	38.7	59.3	2.0
COMP3	17	0	58.1	26.5	0.24	8.25	0.05	6.84	0.34	100	39.3	58.8	1.9
COMP3	17	22	58.3	26.5	0.20	8.16	0.01	6.75	0.33	100	39.3	58.8	1.9
COMP3	17	45	58.4	26.3	0.22	8.38	0.03	6.73	0.30	100	40.1	58.2	1.7
COMP3	17	67	56.3	25.0	0.20	7.61	0.03	7.14	2.38	99	32.6	55.3	12.1
COMP3	17	89	58.0	26.5	0.22	8.18	0.02	6.75	0.37	100	39.3	58.7	2.1
COMP3	17	112	58.8	26.5	0.27	8.21	0.03	6.83	0.35	101	39.1	58.9	2.0
COMP3	17	134	58.9	26.6	0.23	8.08	0.03	6.93	0.33	101	38.4	59.7	1.9
COMP3	17	157	57.9	26.7	0.22	8.13	0.01	6.84	0.39	100	38.7	59.1	2.2
COMP3	17	179	58.2	26.2	0.23	8.42	0.05	6.81	0.38	100	39.7	58.1	2.1
COMP3	17	201	58.4	26.8	0.27	8.10	0.04	7.30	0.37	101	37.2	60.7	2.0
COMP3	17	224	58.7	26.5	0.20	7.96	0.06	6.69	0.38	101	38.8	59.0	2.2
COMP3	17	268	58.5	26.3	0.22	8.15	0.03	6.66	0.33	100	39.6	58.5	1.9
COMP3	17	291	58.1	26.9	0.26	8.57	0.03	6.76	0.34	101	40.4	57.7	1.9
COMP3	17	313	58.5	26.5	0.21	8.37	0.04	6.79	0.33	101	39.8	58.4	1.9
COMP3	17	335	58.6	26.6	0.19	8.21	0.03	6.83	0.35	101	39.1	58.9	2.0
COMP3	17	357	58.3	26.4	0.25	8.15	0.00	6.81	0.35	100	39.0	59.0	2.0
COMP3	17	379	58.5	26.6	0.24	8.40	0.03	6.70	0.38	101	40.1	57.8	2.1
COMP3	17	402	58.1	26.5	0.21	8.18	0.01	6.73	0.36	100	39.4	58.6	2.0
COMP3	17	424	57.4	26.5	0.25	8.15	0.00	6.83	0.36	100	38.9	59.0	2.0
COMP3	17	446	58.2	26.7	0.24	8.12	0.02	6.75	0.36	100	39.1	58.8	2.0
COMP3	17	469	58.0	26.4	0.22	8.32	0.03	6.72	0.32	100	39.9	58.3	1.8
COMP3	17	491	57.8	26.2	0.20	8.06	0.00	6.63	0.34	99	39.4	58.6	2.0
COMP3	17	513	58.1	26.5	0.25	8.23	0.01	6.69	0.34	100	39.7	58.4	1.9
COMP3	17	558	57.9	26.6	0.23	8.22	0.01	6.77	0.38	100	39.3	58.6	2.1
COMP3	17	580	57.7	26.4	0.24	8.19	0.02	6.78	0.29	100	39.4	59.0	1.6
COMP3	17	603	57.8	26.4	0.22	8.23	0.02	6.77	0.33	100	39.5	58.7	1.9
COMP3	17	625	58.4	26.5	0.21	8.36	0.01	6.80	0.34	101	39.7	58.4	1.9
COMP3	17	648	58.1	26.6	0.25	8.04	0.02	6.78	0.33	100	38.8	59.2	1.9

COMP3	17	669	57.6	26.4	0.24	8.43	0.06	6.75	0.35	100	40.0	58.0	2.0
COMP3	17	691	58.0	26.5	0.21	8.11	0.00	6.82	0.33	100	38.9	59.2	1.9
COMP3	17	714	57.9	26.3	0.21	8.31	0.02	6.73	0.31	100	39.8	58.4	1.8
COMP3	17	736	57.8	26.6	0.22	8.26	0.01	6.71	0.37	100	39.7	58.3	2.1
COMP3	17	758	58.0	26.5	0.22	8.10	0.02	6.85	0.33	100	38.8	59.4	1.9
COMP3	17	781	58.5	26.3	0.24	8.31	0.05	6.80	0.34	101	39.5	58.6	1.9
COMP3	17	803	58.8	26.5	0.24	8.29	0.00	6.89	0.34	101	39.1	58.9	1.9
COMP3	17	826	58.2	26.6	0.26	8.07	0.02	6.91	0.36	100	38.4	59.5	2.0
COMP3	17	848	58.9	26.5	0.26	8.19	0.04	6.76	0.34	101	39.3	58.7	1.9
COMP3	17	870	57.8	26.7	0.24	8.26	0.07	6.90	0.34	100	39.0	59.0	1.9
COMP3	17	893	58.3	26.3	0.22	8.10	0.00	6.61	0.34	100	39.6	58.4	2.0
COMP3	17	915	58.3	26.6	0.26	8.41	0.05	6.78	0.39	101	39.8	58.0	2.2
COMP3	17	937	58.3	26.3	0.26	8.07	0.01	6.70	0.39	100	39.1	58.7	2.2
COMP3	17	960	58.6	26.3	0.26	8.22	0.01	6.84	0.34	101	39.2	58.9	1.9
COMP3	18	0	58.3	26.7	0.23	8.55	0.04	6.65	0.30	101	40.9	57.5	1.7
COMP3	18	16	58.4	26.5	0.28	8.28	0.01	6.81	0.38	101	39.3	58.5	2.2
COMP3	18	32	58.6	26.1	0.22	7.88	0.04	6.93	0.35	100	37.8	60.2	2.0
COMP3	18	47	58.5	26.6	0.22	8.13	0.03	6.90	0.34	101	38.7	59.4	1.9
COMP3	18	63	58.3	26.5	0.26	8.09	0.02	6.82	0.37	100	38.7	59.1	2.1
COMP3	18	79	58.4	26.1	0.25	8.22	0.03	6.84	0.39	100	39.0	58.8	2.2
COMP3	18	95	57.9	26.4	0.19	8.33	0.01	6.77	0.35	100	39.7	58.3	2.0
COMP3	18	111	58.2	26.5	0.23	8.31	0.02	6.74	0.36	100	39.7	58.3	2.0
COMP3	18	126	58.1	26.9	0.24	8.33	0.02	6.75	0.37	101	39.7	58.2	2.1
COMP3	18	142	57.7	26.8	0.22	8.33	0.03	6.68	0.34	100	40.0	58.0	1.9
COMP3	18	158	57.9	26.5	0.23	8.14	0.11	6.77	0.33	100	39.1	59.0	1.9
COMP3	18	173	58.8	26.5	0.25	8.09	0.04	6.77	0.34	101	39.0	59.0	1.9
COMP3	18	189	58.3	26.5	0.24	8.31	0.02	6.72	0.35	100	39.8	58.2	2.0
COMP3	18	205	58.8	26.6	0.27	8.06	0.02	7.00	0.35	101	38.1	59.9	2.0
COMP3	18	220	58.0	26.4	0.27	8.21	0.03	6.79	0.33	100	39.3	58.8	1.9
COMP3	18	236	58.5	26.5	0.23	8.21	0.05	6.88	0.35	101	38.9	59.1	2.0
COMP3	18	251	58.3	26.4	0.25	8.13	0.00	6.87	0.35	100	38.7	59.3	2.0
COMP3	18	284	58.2	26.3	0.21	7.99	0.04	6.87	0.35	100	38.3	59.6	2.0
COMP3	18	299	58.2	26.3	0.19	7.83	0.01	6.99	0.39	100	37.4	60.4	2.2
COMP3	18	315	58.0	26.2	0.24	8.00	0.03	6.86	0.38	100	38.4	59.5	2.1
COMP3	18	331	60.6	27.5	0.19	8.03	0.04	6.96	0.38	104	38.1	59.7	2.2
COMP3	18	346	58.3	26.5	0.27	8.03	0.03	6.81	0.35	100	38.6	59.3	2.0
COMP3	18	362	58.4	26.5	0.21	8.23	0.03	6.97	0.40	101	38.6	59.2	2.2
COMP3	18	377	58.4	26.2	0.21	7.98	0.01	6.88	0.35	100	38.3	59.7	2.0
COMP3	19	0	53.2	30.0	0.24	11.84	0.01	4.66	0.18	100	57.8	41.2	1.1
COMP3	19	22	54.2	29.8	0.26	11.65	0.03	4.83	0.21	101	56.5	42.3	1.2
COMP3	19	44	53.0	30.1	0.28	11.96	0.00	4.59	0.18	100	58.4	40.6	1.0
COMP3	19	65	52.2	30.6	0.30	12.80	0.05	4.23	0.16	100	62.0	37.1	0.9
COMP3	19	86	51.7	30.7	0.32	13.24	0.00	3.99	0.18	100	64.1	34.9	1.0
COMP3	19	108	51.5	31.0	0.31	13.43	0.02	3.90	0.16	100	64.9	34.2	0.9
COMP3	19	129	51.4	31.3	0.30	13.57	0.02	3.75	0.14	100	66.1	33.1	0.8
COMP3	19	151	51.5	31.3	0.39	13.81	0.03	3.77	0.13	101	66.4	32.8	0.8
COMP3	19	172	51.1	31.7	0.41	13.56	0.04	3.66	0.13	101	66.7	32.5	0.8
COMP3	19	193	51.0	31.2	0.37	13.86	0.04	3.65	0.15	100	67.1	32.0	0.9
COMP3	19	214	50.2	31.5	0.47	14.05	0.04	3.43	0.14	100	68.8	30.4	0.8
COMP3	19	236	48.9	32.8	0.40	14.41	0.04	3.29	0.17	100	70.1	28.9	1.0
COMP3	19	257	49.5	32.4	0.32	15.19	0.05	2.93	0.10	101	73.7	25.7	0.6
COMP3	19	278	50.5	31.6	0.31	13.71	0.04	3.58	0.15	100	67.3	31.8	0.9
COMP3	19	300	50.7	31.1	0.34	13.60	0.04	3.65	0.16	100	66.7	32.4	0.9
COMP3	19	321	51.3	31.3	0.30	13.63	0.05	3.86	0.13	100	65.6	33.6	0.8
COMP3	19	343	50.9	31.5	0.30	14.04	0.03	3.73	0.13	101	67.0	32.2	0.7
COMP3	19	385	51.4	31.2	0.29	13.48	0.03	3.73	0.14	100	66.1	33.1	0.8
COMP3	19	406	54.7	29.1	0.28	10.81	0.03	5.19	0.23	100	52.8	45.9	1.3
COMP3	19	428	51.3	31.6	0.33	13.66	0.04	3.68	0.13	101	66.7	32.5	0.8
COMP3	19	449	51.5	31.5	0.35	14.22	0.05	3.56	0.14	101	68.3	30.9	0.8
COMP3	19	470	50.7	31.1	0.26	13.83	0.03	3.69	0.15	100	66.8	32.3	0.8
COMP3	19	493	51.2	31.1	0.34	13.60	0.01	3.77	0.17	100	66.0	33.1	1.0
COMP3	19	514	51.1	31.0	0.29	13.34	0.01	3.84	0.16	100	65.1	34.0	0.9
COMP3	19	535	50.9	31.3	0.41	14.00	0.01	3.71	0.15	100	67.0	32.1	0.8
COMP3	19	578	51.6	31.3	0.30	13.71	0.00	3.75	0.15	101	66.3	32.8	0.9

COMP3	19	599	51.8	31.1	0.34	13.44	0.05	3.85	0.15	101	65.3	33.9	0.9
COMP3	19	620	51.7	31.0	0.39	13.54	0.01	3.89	0.11	101	65.4	34.0	0.6
COMP3	19	642	51.8	31.3	0.33	13.09	0.02	3.94	0.13	101	64.3	35.0	0.8
COMP3	19	663	52.0	31.0	0.30	13.19	0.04	4.31	0.16	101	62.3	36.8	0.9
COMP3	19	685	51.4	30.7	0.36	13.17	0.02	3.98	0.16	100	64.0	35.0	0.9
COMP3	19	706	51.1	31.3	0.39	13.76	0.04	3.74	0.13	101	66.5	32.7	0.8
COMP3	19	727	50.7	31.9	0.47	14.35	0.05	3.51	0.13	101	68.8	30.5	0.7
COMP3	19	749	49.4	32.0	0.38	14.87	0.01	3.14	0.08	100	72.0	27.5	0.5
COMP3	19	812	51.2	31.5	0.43	13.81	0.02	3.72	0.14	101	66.7	32.5	0.8
COMP3	19	834	51.3	31.4	0.36	13.86	0.07	3.65	0.15	101	67.1	32.0	0.9
COMP3	19	855	51.7	31.1	0.33	13.44	0.01	3.83	0.14	101	65.4	33.7	0.8
COMP3	19	877	52.9	30.3	0.33	12.53	0.06	4.43	0.20	101	60.3	38.6	1.1
COMP3	19	898	53.8	29.2	0.35	11.57	0.02	4.90	0.21	100	56.0	42.8	1.2
COMP3	19	919	54.8	28.9	0.23	11.07	0.04	5.27	0.24	101	53.0	45.6	1.4
COMP3	19	940	55.7	28.3	0.26	10.13	0.05	5.67	0.29	100	48.9	49.5	1.7
COMP3	20	0	52.9	30.1	0.28	12.58	0.02	4.43	0.22	101	60.3	38.4	1.3
COMP3	20	17	51.6	30.6	0.47	13.22	0.01	4.00	0.17	100	64.0	35.0	1.0
COMP3	20	33	50.8	31.4	0.41	13.93	0.05	3.68	0.12	100	67.2	32.1	0.7
COMP3	20	50	50.8	31.6	0.38	14.36	0.04	3.39	0.13	101	69.5	29.7	0.7
COMP3	20	67	50.6	31.5	0.36	14.15	0.05	3.37	0.13	100	69.3	29.9	0.8
COMP3	20	83	56.5	27.7	0.24	9.87	0.02	5.93	0.27	101	47.2	51.3	1.5
COMP3	20	100	52.6	30.2	0.24	12.30	0.04	4.45	0.18	100	59.8	39.2	1.1
COMP3	20	117	51.3	31.2	0.24	13.57	0.02	3.49	0.17	100	67.6	31.4	1.0
COMP3	20	133	51.3	31.2	0.27	13.75	0.06	3.75	0.17	100	66.3	32.7	1.0
COMP3	20	150	50.8	31.6	0.26	14.19	0.03	3.48	0.12	100	68.8	30.5	0.7
COMP3	20	167	47.5	33.8	0.40	16.51	0.08	2.08	0.08	100	81.0	18.5	0.5
COMP3	20	200	51.2	31.2	0.30	13.78	0.04	3.66	0.15	100	67.0	32.2	0.9
COMP3	20	216	50.5	31.7	0.35	14.16	0.05	3.43	0.12	100	69.1	30.3	0.7
COMP3	20	233	51.3	30.8	0.35	13.36	0.01	3.78	0.10	100	65.7	33.7	0.6
COMP3	20	250	52.2	30.7	0.32	12.94	0.03	4.11	0.14	100	63.0	36.2	0.8
COMP3	20	266	52.8	30.4	0.34	12.58	0.00	4.43	0.17	101	60.5	38.5	1.0
COMP3	20	283	53.0	29.9	0.32	12.08	0.03	4.54	0.24	100	58.7	39.9	1.4
COMP3	20	300	54.9	28.9	0.24	10.46	0.01	5.44	0.22	100	50.9	47.9	1.3
COMP3	20	317	56.2	28.0	0.24	9.90	0.05	5.72	0.26	100	48.2	50.3	1.5
COMP3	21	0	56.2	28.1	0.20	9.77	0.01	5.87	0.31	101	47.1	51.1	1.8
COMP3	21	14	53.1	29.7	0.25	11.99	0.06	4.69	0.21	100	57.9	40.9	1.2
COMP3	21	28	51.5	31.0	0.30	13.62	0.02	3.91	0.16	101	65.2	33.9	0.9
COMP3	21	42	49.9	31.4	0.39	14.25	0.09	3.50	0.12	100	68.7	30.6	0.7
COMP3	21	56	46.9	33.8	0.40	16.54	0.03	2.09	0.05	100	81.1	18.6	0.3
COMP3	21	70	50.9	31.4	0.29	13.67	0.02	3.64	0.12	100	67.0	32.3	0.7
COMP3	21	84	51.3	31.1	0.34	13.13	0.06	3.89	0.15	100	64.5	34.6	0.9
COMP3	21	98	50.9	31.0	0.30	13.68	0.01	3.76	0.13	100	66.3	33.0	0.7
COMP3	21	112	51.2	30.9	0.30	13.39	0.03	3.92	0.15	100	64.8	34.3	0.8
COMP3	21	125	48.8	32.4	0.32	15.18	0.10	2.75	0.09	100	74.9	24.5	0.5
COMP3	21	139	55.4	28.4	0.23	10.26	0.01	5.61	0.25	100	49.5	49.0	1.5
COMP3	21	153	55.1	28.3	0.23	10.40	0.00	5.66	0.26	100	49.7	48.9	1.5
COMP3	21	167	55.4	28.4	0.26	10.21	0.03	5.78	0.30	100	48.6	49.7	1.7
COMP3	21	181	55.5	28.3	0.21	10.11	0.00	5.55	0.25	100	49.4	49.1	1.5
COMP3	21	195	55.8	28.3	0.21	10.31	0.00	5.77	0.31	101	48.8	49.5	1.7
COMP3	22	0	53.5	29.5	0.34	11.45	0.00	4.79	0.21	100	56.2	42.5	1.2
COMP3	22	18	51.5	30.9	0.36	13.24	0.01	3.93	0.14	100	64.5	34.7	0.8
COMP3	22	53	50.3	31.9	0.33	12.79	0.03	3.63	0.21	99	65.3	33.5	1.3
COMP3	22	70	51.1	31.2	0.44	13.68	0.03	3.78	0.15	100	66.1	33.1	0.8
COMP3	22	105	55.1	28.1	0.22	10.00	0.05	5.66	0.25	99	48.7	49.8	1.5
COMP3	22	123	53.8	29.2	0.29	11.25	0.00	5.01	0.25	100	54.6	44.0	1.4
COMP3	22	140	53.8	29.5	0.29	11.12	0.06	4.97	0.22	100	54.6	44.1	1.3
COMP3	22	157	53.5	29.6	0.34	11.55	0.02	4.85	0.20	100	56.2	42.7	1.2
COMP3	22	175	53.2	29.6	0.25	11.69	0.01	4.86	0.20	100	56.4	42.4	1.1
COMP3	22	192	53.7	29.5	0.26	11.45	0.00	4.99	0.22	100	55.2	43.5	1.3
COMP3	22	210	53.5	29.5	0.32	11.44	0.05	4.87	0.19	100	55.9	43.0	1.1
COMP3	22	227	53.2	29.6	0.30	11.61	0.05	4.78	0.18	100	56.7	42.3	1.0
COMP3	22	245	55.3	28.3	0.29	10.49	0.06	5.49	0.24	100	50.6	48.0	1.4
COMP3	23	0	58.4	26.5	0.24	8.04	0.04	6.66	0.32	100	39.3	58.8	1.9
COMP3	23	45	57.9	26.6	0.25	7.91	0.04	6.36	0.32	99	40.0	58.1	1.9

COMP3	23	67	58.6	26.3	0.26	8.00	0.04	6.78	0.36	100	38.6	59.3	2.1
COMP3	23	89	58.1	26.4	0.23	7.96	0.00	6.67	0.30	100	39.1	59.2	1.7
COMP3	23	156	55.5	29.4	0.22	7.92	0.03	6.12	0.37	100	40.8	57.0	2.3
COMP3	23	178	54.9	29.1	0.23	7.58	0.04	6.55	0.34	99	38.2	59.7	2.1
COMP3	23	200	58.6	26.5	0.20	8.07	0.02	6.75	0.38	101	38.9	58.9	2.2
COMP3	23	222	57.0	27.3	0.24	8.48	0.03	6.57	0.33	100	40.9	57.3	1.9
COMP3	23	244	53.3	30.9	0.27	8.15	0.02	5.75	0.27	99	43.2	55.1	1.7
COMP3	23	266	56.6	27.2	0.30	8.75	0.02	6.39	0.30	100	42.3	55.9	1.8
COMP3	23	289	57.0	26.9	0.24	8.60	0.01	6.39	0.32	100	41.8	56.3	1.8
COMP3	23	399	57.9	26.6	0.28	8.28	0.02	6.74	0.32	100	39.7	58.5	1.8
COMP3	23	421	58.6	26.0	0.25	7.65	0.08	6.95	0.36	100	37.0	60.9	2.1
COMP3	23	443	57.9	26.6	0.24	8.09	0.03	6.80	0.33	100	38.9	59.2	1.9
COMP3	23	509	58.0	26.2	0.24	8.10	0.07	6.80	0.36	100	38.9	59.1	2.1
COMP3	23	532	57.9	26.0	0.27	7.88	0.02	6.48	0.39	99	39.3	58.4	2.3
COMP3	23	554	58.2	26.1	0.19	8.13	0.05	6.71	0.33	100	39.3	58.8	1.9
COMP3	23	576	58.2	26.1	0.27	8.07	0.01	6.78	0.41	100	38.8	58.9	2.3
COMP3	23	598	58.1	26.3	0.24	8.02	0.01	6.84	0.38	100	38.5	59.4	2.2
COMP3	24	0	57.9	26.6	0.29	8.15	0.01	6.68	0.36	100	39.4	58.5	2.1
COMP3	24	12	57.9	26.5	0.23	8.34	0.01	6.25	0.35	100	41.5	56.4	2.1
COMP3	24	24	56.7	26.2	0.24	7.97	0.02	7.34	0.31	99	36.8	61.4	1.7
COMP3	24	48	57.9	26.5	0.27	8.38	0.02	6.70	0.34	100	40.1	58.0	1.9
COMP3	24	61	58.9	26.9	0.23	8.48	0.07	5.19	0.32	100	46.4	51.5	2.1
COMP3	24	73	57.8	26.4	0.22	8.29	0.04	6.76	0.35	100	39.6	58.4	2.0
COMP3	24	85	58.9	26.7	0.18	7.95	0.02	6.67	0.33	101	38.9	59.1	1.9
COMP3	24	98	58.8	26.5	0.22	8.35	0.01	6.83	0.38	101	39.5	58.4	2.1
COMP3	24	122	58.2	26.6	0.24	8.28	0.01	6.63	0.34	100	40.0	58.0	2.0
COMP3	24	135	58.2	26.4	0.22	8.40	0.04	6.54	0.40	100	40.6	57.1	2.3
COMP3	24	147	58.3	26.7	0.24	8.05	0.02	6.75	0.34	100	39.0	59.1	2.0
COMP3	24	159	58.0	26.5	0.21	8.36	0.01	6.74	0.39	100	39.8	58.0	2.2
COMP3	24	172	58.1	26.5	0.24	8.09	0.03	6.85	0.34	100	38.7	59.3	1.9
COMP3	24	184	57.6	26.1	0.25	8.25	0.08	6.73	0.40	100	39.5	58.3	2.2
COMP3	24	197	58.5	26.4	0.26	8.25	0.01	6.78	0.38	101	39.4	58.5	2.2
COMP3	24	208	58.1	26.6	0.20	8.35	0.09	6.66	0.34	100	40.1	57.9	2.0
COMP3	24	221	58.5	27.0	0.25	8.27	0.02	6.77	0.41	101	39.4	58.3	2.3
COMP3	24	246	57.9	26.5	0.25	8.25	0.04	6.73	0.33	100	39.6	58.5	1.9
COMP3	24	258	58.3	26.7	0.21	8.22	0.05	6.60	0.34	100	40.0	58.1	2.0
COMP3	24	271	58.6	26.5	0.25	8.18	0.02	6.76	0.40	101	39.2	58.5	2.3
COMP3	24	282	58.7	26.1	0.24	7.92	0.08	6.94	0.37	100	37.8	60.0	2.1
COMP3	24	295	58.0	26.1	0.21	7.85	0.01	6.76	0.36	99	38.3	59.7	2.1
COMP3	24	307	58.1	26.3	0.21	8.16	0.03	6.64	0.34	100	39.6	58.4	2.0
COMP3	24	319	58.3	26.3	0.23	7.97	0.02	6.77	0.37	100	38.6	59.3	2.1
COMP3	24	332	57.8	26.2	0.21	7.99	0.06	6.61	0.34	99	39.2	58.7	2.0
COMP3	24	344	58.3	26.5	0.22	7.99	0.01	6.81	0.33	100	38.6	59.5	1.9
COMP3	24	357	58.0	26.4	0.20	8.13	0.01	6.73	0.30	100	39.3	58.9	1.7
COMP3	25	0	58.2	26.6	0.24	8.27	0.01	6.73	0.36	100	39.6	58.3	2.1
COMP3	25	15	58.2	26.6	0.23	8.20	0.03	6.30	0.35	100	41.0	57.0	2.1
COMP3	25	29	57.6	26.6	0.22	8.19	0.02	6.53	0.37	99	40.1	57.8	2.1
COMP3	25	58	58.2	26.5	0.26	8.12	0.03	6.62	0.35	100	39.6	58.4	2.0
COMP3	25	73	57.9	26.5	0.25	8.31	0.01	6.63	0.36	100	40.1	57.8	2.1
COMP3	25	88	58.3	26.2	0.26	8.24	0.01	6.73	0.38	100	39.5	58.4	2.1
COMP3	25	103	58.1	26.8	0.19	8.32	0.03	6.70	0.32	100	40.0	58.2	1.8
COMP3	25	117	58.1	26.6	0.21	8.15	0.01	6.73	0.32	100	39.4	58.8	1.8
COMP3	25	132	57.6	27.3	0.22	8.27	0.00	6.79	0.31	101	39.5	58.7	1.8
COMP3	25	146	58.0	26.6	0.23	8.32	0.00	6.73	0.32	100	39.8	58.3	1.8
COMP3	25	176	58.7	26.3	0.23	7.95	0.02	6.94	0.37	101	38.0	60.0	2.1
COMP3	25	190	58.2	26.3	0.23	7.88	0.02	6.90	0.41	100	37.8	59.9	2.3
COMP3	25	220	57.8	26.9	0.24	8.12	0.02	6.51	0.36	100	40.0	57.9	2.1
COMP3	25	235	58.2	26.6	0.21	8.19	0.04	6.75	0.36	100	39.3	58.6	2.1
COMP3	25	249	56.5	27.6	0.24	8.98	0.04	5.61	0.28	99	46.1	52.1	1.7
COMP3	25	264	56.9	27.4	0.21	8.96	0.04	6.30	0.30	100	43.3	55.0	1.7
COMP3	25	279	56.9	27.1	0.20	9.21	0.02	6.19	0.30	100	44.3	54.0	1.7
COMP3	25	293	56.7	27.1	0.24	8.98	0.05	6.30	0.32	100	43.2	54.9	1.8
COMP3	25	308	57.5	27.2	0.24	8.66	0.02	6.44	0.31	100	41.9	56.3	1.8
COMP3	25	323	57.2	26.9	0.27	8.72	0.00	6.35	0.32	100	42.3	55.8	1.8

COMP3	25	338	58.9	26.0	0.22	7.79	0.02	7.10	0.36	100	37.0	61.0	2.1
COMP3	25	353	59.7	25.8	0.29	7.70	0.00	7.12	0.37	101	36.6	61.3	2.1
COMP3	25	367	58.2	26.9	0.27	8.40	0.03	6.61	0.32	101	40.5	57.6	1.9
COMP3	25	382	58.3	26.8	0.25	8.39	0.02	6.75	0.34	101	40.0	58.1	1.9
COMP3	25	411	58.2	26.5	0.24	8.13	0.04	6.67	0.38	100	39.4	58.5	2.2
COMP3	25	426	58.2	26.5	0.25	8.22	0.02	6.63	0.37	100	39.8	58.1	2.1
COMP3	26	0	58.2	26.4	0.21	8.09	0.01	6.96	0.39	100	38.2	59.6	2.2
COMP3	26	14	58.2	26.2	0.23	7.78	0.02	6.90	0.34	100	37.7	60.4	1.9
COMP3	26	43	57.1	27.4	0.22	8.19	0.02	6.51	0.36	100	40.1	57.8	2.1
COMP3	26	57	58.4	26.2	0.19	8.06	0.02	6.60	0.36	100	39.4	58.5	2.1
COMP3	26	72	57.8	26.4	0.23	8.41	0.05	6.78	0.35	100	39.9	58.1	2.0
COMP3	26	86	57.5	26.2	0.21	8.18	0.03	6.46	0.32	99	40.4	57.7	1.9
COMP3	26	101	55.7	28.1	0.23	8.23	0.05	6.36	0.32	99	40.9	57.2	1.9
COMP3	26	115	57.7	26.6	0.25	8.45	0.04	6.63	0.35	100	40.5	57.5	2.0
COMP3	26	143	57.2	26.6	0.19	8.30	0.01	6.66	0.34	99	40.0	58.1	1.9
COMP3	26	172	58.2	26.1	0.26	8.30	0.03	6.66	0.30	100	40.1	58.2	1.7
COMP3	26	187	58.3	26.6	0.28	8.51	0.04	6.76	0.34	101	40.2	57.8	1.9
COMP3	26	201	57.4	26.3	0.23	8.13	0.01	6.77	0.33	99	39.1	59.0	1.9
COMP3	26	215	58.1	26.0	0.20	7.76	0.03	6.18	0.38	99	40.0	57.7	2.3
COMP3	26	230	58.1	26.1	0.27	8.03	0.02	6.86	0.35	100	38.5	59.5	2.0
COMP3	26	244	56.2	27.5	0.20	7.93	0.01	6.23	0.34	98	40.5	57.5	2.0
COMP3	26	272	58.8	26.4	0.28	8.28	0.06	6.65	0.32	101	40.0	58.2	1.8
COMP3	27	0	54.3	31.5	0.31	8.03	0.00	5.90	0.32	100	42.1	56.0	2.0
COMP3	27	24	57.8	26.6	0.25	8.09	0.03	6.73	0.34	100	39.1	58.9	2.0
COMP3	27	49	57.6	26.4	0.27	8.15	0.00	6.57	0.33	99	39.9	58.2	1.9
COMP3	27	74	57.5	27.2	0.23	8.26	0.01	6.27	0.32	100	41.3	56.8	1.9
COMP3	27	124	56.3	28.0	0.19	7.96	0.04	6.93	0.34	100	38.1	60.0	1.9
COMP3	27	174	57.6	26.7	0.23	8.45	0.01	6.70	0.33	100	40.3	57.8	1.9
COMP3	27	199	57.9	26.7	0.25	8.50	0.03	6.59	0.33	100	40.8	57.3	1.9
COMP3	27	224	57.5	27.2	0.24	8.20	0.00	6.53	0.30	100	40.2	58.0	1.7
COMP3	27	248	58.2	26.8	0.21	8.07	0.01	6.70	0.33	100	39.2	58.9	1.9
COMP3	27	273	58.2	26.5	0.23	8.27	0.00	6.73	0.33	100	39.7	58.4	1.9
COMP3	27	323	54.5	29.9	0.22	7.80	0.02	6.12	0.36	99	40.4	57.4	2.2
COMP3	27	348	58.9	25.7	0.24	7.18	0.04	7.24	0.41	100	34.6	63.1	2.4
COMP3	27	373	57.6	26.6	0.23	8.34	0.01	6.50	0.36	100	40.6	57.3	2.1
COMP3	27	398	57.7	26.5	0.23	8.24	0.02	6.71	0.32	100	39.7	58.5	1.8
COMP3	27	423	57.6	26.7	0.27	8.27	0.04	6.77	0.34	100	39.5	58.6	1.9
COMP3	27	472	58.9	25.9	0.21	7.47	0.02	7.15	0.39	100	35.8	62.0	2.2
COMP3	27	498	58.1	26.0	0.23	7.78	0.07	7.05	0.37	100	37.1	60.8	2.1
COMP3	27	522	58.3	26.3	0.25	7.90	0.03	7.04	0.39	100	37.5	60.4	2.2
COMP3	27	547	58.8	26.2	0.21	7.98	0.01	6.83	0.39	101	38.4	59.4	2.2
COMP3	27	572	58.3	26.6	0.24	7.68	0.06	7.01	0.39	100	36.9	60.9	2.2
COMP3	27	597	58.4	26.0	0.24	7.85	0.03	7.05	0.42	100	37.2	60.5	2.3
COMP3	27	621	57.9	26.2	0.25	7.90	0.01	5.91	0.35	99	41.5	56.3	2.2
COMP3	27	647	58.5	26.4	0.23	7.89	0.03	6.87	0.39	100	38.0	59.8	2.2
COMP3	27	671	58.1	26.2	0.18	7.69	0.03	7.02	0.37	100	36.9	61.0	2.1
COMP3	27	697	58.8	26.2	0.24	7.99	0.03	7.03	0.39	101	37.7	60.1	2.2
COMP3	27	747	59.8	25.4	0.26	6.81	0.01	7.47	0.48	100	32.6	64.7	2.7
COMP3	27	797	58.7	26.2	0.19	7.85	0.03	7.04	0.38	100	37.3	60.5	2.2
COMP3	27	821	58.8	25.8	0.30	7.42	0.01	7.20	0.44	100	35.4	62.1	2.5
COMP3	27	846	58.4	26.2	0.20	7.93	0.01	6.94	0.38	100	37.9	60.0	2.1
COMP3	28	0	60.9	24.4	0.25	6.19	0.02	7.79	0.42	100	29.8	67.9	2.4
COMP3	28	22	57.8	26.7	0.24	8.51	0.04	6.58	0.34	100	40.9	57.2	1.9
COMP3	28	43	57.8	26.6	0.26	8.34	0.02	6.69	0.36	100	39.9	58.0	2.1
COMP3	28	65	57.7	26.3	0.24	8.07	0.01	6.53	0.34	99	39.8	58.2	2.0
COMP3	28	86	57.6	26.4	0.26	8.11	0.00	6.64	0.37	99	39.4	58.4	2.1
COMP3	28	107	57.3	26.7	0.21	8.71	0.04	6.59	0.32	100	41.4	56.7	1.8
COMP3	28	129	57.4	26.4	0.21	8.35	0.06	6.65	0.34	99	40.2	57.9	1.9
COMP3	28	150	57.3	26.5	0.23	8.58	0.02	6.54	0.28	99	41.4	57.0	1.6
COMP3	28	172	58.3	26.3	0.28	7.91	0.04	6.86	0.35	100	38.1	59.9	2.0
COMP3	28	193	55.7	28.2	0.24	7.95	0.02	6.32	0.31	99	40.2	57.9	1.9
COMP3	28	214	58.0	26.4	0.24	8.21	0.02	6.71	0.31	100	39.6	58.6	1.8
COMP3	28	257	58.7	26.2	0.21	7.92	0.03	6.25	0.34	100	40.4	57.6	2.1
COMP3	28	300	57.9	26.2	0.25	8.17	0.00	6.72	0.38	100	39.3	58.5	2.2

COMP3	28	321	58.5	25.9	0.26	7.73	0.03	6.97	0.40	100	37.1	60.6	2.3
COMP3	28	342	57.8	26.3	0.29	8.13	0.05	6.74	0.35	100	39.2	58.8	2.0
COMP3	28	386	58.1	27.5	0.22	7.67	0.02	6.10	0.39	100	40.0	57.6	2.4
COMP3	29	0	57.3	26.3	0.21	8.27	0.01	6.77	0.31	99	39.6	58.7	1.8
COMP3	29	24	57.4	26.5	0.29	8.40	0.01	6.58	0.35	100	40.5	57.5	2.0
COMP3	29	48	57.6	27.0	0.24	8.59	0.01	6.63	0.35	100	40.9	57.1	2.0
COMP3	29	71	57.6	26.7	0.24	8.36	0.04	6.67	0.33	100	40.1	58.0	1.9
COMP3	29	95	57.4	26.5	0.28	8.48	0.04	6.62	0.34	100	40.6	57.4	2.0
COMP3	29	118	58.0	26.2	0.21	7.92	0.02	6.76	0.46	100	38.3	59.1	2.6
COMP3	29	142	56.8	26.6	0.21	8.51	0.02	6.58	0.31	99	40.9	57.3	1.8
COMP3	29	165	57.1	26.6	0.25	8.55	0.01	6.55	0.34	100	41.1	57.0	1.9
COMP3	29	189	56.9	26.6	0.23	8.68	0.01	6.57	0.31	99	41.4	56.8	1.8
COMP3	29	212	57.3	27.0	0.27	8.60	0.07	6.52	0.35	100	41.3	56.7	2.0
COMP3	29	236	57.5	26.7	0.25	8.56	0.01	6.59	0.33	100	41.0	57.1	1.9
COMP3	29	259	57.4	26.7	0.22	8.48	0.01	6.61	0.37	100	40.6	57.3	2.1
COMP3	29	283	57.4	26.7	0.23	8.72	0.02	6.57	0.40	100	41.4	56.4	2.2
COMP3	29	306	57.0	26.1	0.18	8.20	0.05	7.48	0.29	99	37.1	61.3	1.6
COMP3	29	329	57.3	26.8	0.21	8.33	0.07	6.54	0.33	100	40.5	57.6	1.9
COMP3	29	353	58.6	25.8	0.24	7.42	0.05	7.19	0.38	100	35.5	62.3	2.1
COMP3	29	377	58.8	25.6	0.24	7.54	0.04	7.02	0.41	100	36.4	61.3	2.3
COMP3	29	400	57.8	26.1	0.22	7.59	0.02	7.01	0.35	99	36.7	61.3	2.0
COMP3	29	423	57.9	26.4	0.25	8.15	0.00	6.86	0.32	100	38.9	59.3	1.8
COMP3	29	448	57.8	26.3	0.22	8.03	0.04	6.78	0.42	100	38.6	59.0	2.4
COMP3	29	471	57.8	26.5	0.20	8.09	0.05	6.82	0.33	100	38.9	59.2	1.9
COMP3	29	494	57.8	26.2	0.24	8.10	0.03	6.82	0.36	100	38.8	59.1	2.0
COMP3	29	517	57.9	26.5	0.25	8.18	0.01	6.85	0.36	100	39.0	59.0	2.0
COMP3	29	541	58.0	26.0	0.24	7.89	0.03	6.94	0.35	99	37.8	60.2	2.0
COMP3	29	565	58.1	26.0	0.20	7.90	0.01	7.04	0.39	100	37.4	60.4	2.2
COMP3	29	588	57.6	26.2	0.20	8.22	0.00	6.91	0.36	100	38.9	59.1	2.0
COMP3	29	611	57.5	26.5	0.22	8.32	0.04	6.67	0.36	100	40.0	58.0	2.1
COMP3	29	636	57.0	26.8	0.25	8.36	0.02	6.63	0.31	99	40.3	57.9	1.8
COMP3	29	658	57.8	26.6	0.25	8.48	0.02	6.66	0.36	100	40.5	57.5	2.1
COMP3	29	682	57.7	26.8	0.26	8.37	0.01	6.62	0.33	100	40.4	57.7	1.9
COMP3	29	705	57.4	26.6	0.23	8.33	0.05	6.62	0.35	100	40.2	57.8	2.0
COMP3	29	729	57.5	26.6	0.25	8.54	0.01	6.69	0.36	100	40.5	57.4	2.0
COMP3	29	753	57.8	26.7	0.21	8.46	0.03	6.63	0.31	100	40.7	57.6	1.7
COMP3	29	776	57.6	26.5	0.23	8.37	0.02	6.57	0.34	100	40.5	57.5	2.0
COMP3	29	799	58.0	26.6	0.26	8.12	0.02	6.74	0.35	100	39.2	58.8	2.0
COMP3	30	0	57.0	26.7	0.25	8.03	0.02	7.08	0.33	99	37.8	60.3	1.9
COMP3	30	16	57.5	26.3	0.28	8.21	0.03	6.60	0.37	99	39.9	58.0	2.2
COMP3	30	33	59.0	25.5	0.24	7.17	0.03	7.30	0.42	100	34.3	63.3	2.4
COMP3	30	67	58.5	25.7	0.24	7.68	0.03	7.15	0.37	100	36.5	61.4	2.1
COMP3	30	84	58.0	26.0	0.27	7.90	0.03	6.94	0.39	99	37.8	60.0	2.2
COMP3	30	100	57.9	26.3	0.26	8.03	0.01	6.93	0.33	100	38.3	59.9	1.9
COMP3	30	117	57.6	26.4	0.24	8.12	0.01	6.74	0.35	99	39.2	58.8	2.0
COMP3	30	134	56.9	26.4	0.22	8.17	0.01	6.80	0.34	99	39.1	58.9	1.9
COMP3	30	151	57.7	26.3	0.25	8.28	0.03	6.68	0.31	100	39.9	58.3	1.8
COMP3	30	168	58.0	26.2	0.20	8.23	0.01	6.62	0.35	100	39.9	58.1	2.0
COMP3	30	184	57.6	26.5	0.31	8.25	0.05	6.73	0.34	100	39.6	58.5	1.9
COMP3	31	0	58.4	26.7	0.22	8.21	0.06	6.83	0.36	101	39.1	58.8	2.0
COMP3	31	34	57.9	26.7	0.27	8.20	0.02	6.72	0.34	100	39.5	58.6	2.0
COMP3	31	51	57.3	27.2	0.21	8.42	0.05	5.90	0.33	99	43.2	54.8	2.0
COMP3	31	69	58.3	26.9	0.25	8.37	0.01	6.55	0.33	101	40.6	57.5	1.9
COMP3	31	87	57.6	26.8	0.21	8.47	0.02	6.44	0.27	100	41.4	57.0	1.6
COMP3	31	103	57.8	26.9	0.26	8.40	0.03	6.57	0.34	100	40.6	57.4	2.0
COMP3	31	121	57.6	27.0	0.26	8.53	0.00	6.54	0.30	100	41.2	57.1	1.7
COMP3	31	139	57.7	26.9	0.23	8.37	0.02	6.62	0.31	100	40.4	57.8	1.8
COMP3	31	155	57.5	26.9	0.24	8.67	0.02	6.34	0.32	100	42.2	55.9	1.9
COMP3	31	191	57.3	27.2	0.30	8.79	0.05	6.47	0.30	100	42.1	56.2	1.7
COMP3	31	207	57.8	27.3	0.29	9.03	0.07	6.33	0.30	101	43.3	55.0	1.7
COMP3	31	225	57.3	27.3	0.23	8.76	0.02	6.32	0.31	100	42.6	55.6	1.8
COMP3	31	243	57.4	27.2	0.27	8.79	0.00	6.40	0.31	100	42.4	55.9	1.8
COMP3	31	277	57.7	27.4	0.29	8.84	0.01	6.40	0.30	101	42.5	55.8	1.7
COMP3	31	295	42.3	46.5	0.42	5.18	0.01	3.55	0.47	99	42.6	52.8	4.6

COMP3	31	311	58.4	26.6	0.22	8.28	0.03	6.76	0.37	101	39.6	58.4	2.1
COMP3	31	329	58.1	26.8	0.26	8.18	0.04	6.77	0.35	100	39.3	58.8	2.0
COMP3	31	347	57.6	26.8	0.26	8.45	0.03	6.60	0.35	100	40.6	57.4	2.0
COMP3	31	381	58.2	26.6	0.24	8.30	0.02	6.74	0.36	101	39.6	58.3	2.0
COMP3	31	399	57.2	27.6	0.25	9.08	0.02	6.30	0.34	101	43.5	54.6	1.9
COMP3	31	415	58.0	26.7	0.24	8.36	0.01	6.69	0.33	100	40.1	58.0	1.9
COMP3	31	433	58.0	26.8	0.27	8.48	0.07	6.76	0.34	101	40.1	57.9	1.9
COMP3	31	451	56.6	26.7	0.22	8.26	0.05	6.69	0.34	99	39.8	58.3	1.9
COMP3	31	468	57.7	27.8	0.23	8.16	0.03	5.93	0.33	100	42.3	55.7	2.0
COMP3	31	485	58.1	26.5	0.26	8.32	0.01	6.75	0.35	100	39.7	58.3	2.0
COMP3	31	503	58.9	26.5	0.22	8.01	0.04	5.36	0.34	99	44.3	53.5	2.2
COMP3	32	16	58.4	26.6	0.20	8.26	0.05	6.59	0.32	101	40.2	58.0	1.9
COMP3	32	33	58.4	26.7	0.17	8.50	0.03	6.50	0.28	101	41.3	57.1	1.6
COMP3	32	48	58.5	26.5	0.39	8.09	0.10	6.67	0.40	101	39.2	58.5	2.3
COMP3	32	65	58.0	26.6	0.19	8.02	0.12	6.54	0.27	100	39.8	58.7	1.6
COMP3	32	98	57.7	26.6	0.32	8.52	0.02	6.32	0.37	100	41.8	56.1	2.2
COMP3	32	115	58.4	27.0	0.21	8.02	0.02	6.79	0.42	101	38.5	59.1	2.4
COMP3	32	148	58.8	26.7	0.18	7.81	0.09	6.47	0.38	100	39.1	58.6	2.2
COMP3	32	181	58.7	26.6	0.30	8.29	0.10	6.58	0.32	101	40.3	57.9	1.8
COMP3	32	213	58.8	26.4	0.19	8.07	0.14	6.41	0.37	100	40.1	57.7	2.2
COMP3	33	15	58.8	26.7	0.28	8.12	0.06	6.52	0.22	101	40.3	58.5	1.3
COMP3	33	62	59.3	26.0	0.28	7.94	0.00	6.90	0.32	101	38.1	60.0	1.8
COMP3	33	93	58.7	26.7	0.27	8.09	0.02	6.77	0.38	101	38.9	58.9	2.2
COMP3	33	109	60.0	25.5	0.36	6.91	0.09	7.03	0.46	100	34.3	63.0	2.7
COMP3	33	125	60.6	24.8	0.20	6.13	0.11	7.41	0.48	100	30.5	66.7	2.9
COMP3	33	140	61.3	24.8	0.17	5.83	0.16	7.61	0.51	100	28.9	68.1	3.0
COMP3	33	187	60.1	24.6	0.21	5.88	0.25	7.55	0.48	99	29.2	67.9	2.8
COMP3	33	202	61.2	25.1	0.22	6.59	0.01	7.07	0.51	101	33.0	64.0	3.0
COMP3	34	0	58.1	26.6	0.32	8.05	0.03	6.88	0.31	100	38.6	59.7	1.8
COMP3	34	29	57.6	26.4	0.18	8.49	0.00	6.78	0.37	100	40.0	57.9	2.1
COMP3	34	44	58.4	26.8	0.34	8.35	0.02	6.59	0.30	101	40.5	57.8	1.7
COMP3	34	59	59.2	26.3	0.25	7.93	0.01	6.67	0.27	101	39.0	59.4	1.6
COMP3	34	74	57.6	27.3	0.31	8.57	0.13	6.58	0.26	101	41.2	57.3	1.5
COMP3	34	88	57.5	27.4	0.34	8.77	0.10	6.22	0.27	101	43.1	55.3	1.6
COMP3	34	103	56.8	27.2	0.26	9.14	0.02	6.33	0.25	100	43.8	54.8	1.4
COMP3	34	118	57.7	27.2	0.26	8.69	0.03	6.29	0.26	100	42.6	55.8	1.5
COMP3	34	133	58.1	26.7	0.27	8.20	0.03	6.46	0.32	100	40.5	57.7	1.9
COMP3	34	163	57.4	26.1	0.23	7.92	0.04	6.54	0.31	99	39.4	58.8	1.8
COMP3	34	177	57.5	26.7	0.29	8.77	0.03	6.32	0.31	100	42.6	55.6	1.8
COMP3	34	192	58.0	27.0	0.25	8.12	0.11	6.39	0.32	100	40.5	57.6	1.9
COMP3	34	207	59.2	26.9	0.13	8.46	0.12	6.56	0.33	102	40.8	57.3	1.9
COMP3	34	222	58.4	26.6	0.38	8.30	0.13	6.41	0.38	101	40.8	57.0	2.2
COMP3	34	237	58.7	26.5	0.36	8.35	0.00	6.43	0.40	101	40.8	56.8	2.3
COMP3	34	252	58.3	26.8	0.29	7.96	0.16	6.49	0.30	100	39.7	58.6	1.8
COMP3	35	0	58.7	26.3	0.39	8.09	0.10	6.70	0.34	101	39.3	58.8	1.9
COMP3	35	15	57.7	26.5	0.16	8.21	0.05	6.41	0.35	99	40.6	57.3	2.1
COMP3	35	45	57.6	27.4	0.21	8.73	0.09	6.09	0.31	100	43.4	54.7	1.9
COMP3	35	59	57.8	26.9	0.29	8.92	0.02	6.40	0.27	101	42.8	55.6	1.5
COMP3	35	75	57.5	27.2	0.33	8.72	0.08	6.34	0.29	100	42.5	55.8	1.7
COMP3	35	89	57.1	27.0	0.29	8.89	0.11	6.32	0.37	100	42.8	55.1	2.1
COMP3	35	104	56.7	27.5	0.34	8.82	0.09	6.28	0.27	100	43.1	55.4	1.5
COMP3	35	149	57.8	27.1	0.30	8.85	0.09	6.27	0.31	101	43.0	55.2	1.8
COMP3	35	163	57.2	27.5	0.38	8.63	0.12	6.08	0.33	100	43.1	55.0	2.0
COMP3	35	178	58.2	27.3	0.35	8.89	0.16	6.21	0.23	101	43.6	55.1	1.4
COMP3	35	193	57.9	27.3	0.18	9.28	0.03	6.21	0.29	101	44.5	53.9	1.6
COMP3	35	207	57.3	27.4	0.23	8.81	0.13	6.19	0.34	100	43.2	54.9	2.0
COMP3	36	0	58.3	26.3	0.26	8.12	0.03	6.63	0.35	100	39.6	58.4	2.0
COMP3	36	33	57.9	26.6	0.23	8.33	0.03	6.53	0.32	100	40.6	57.6	1.8
COMP3	36	49	58.1	26.8	0.25	8.31	0.01	6.53	0.33	100	40.5	57.6	1.9
COMP3	36	65	59.2	26.0	0.23	8.25	0.03	6.56	0.35	101	40.2	57.8	2.0
COMP3	36	97	58.9	26.0	0.34	7.72	0.01	6.80	0.26	100	38.0	60.5	1.5
COMP3	36	145	58.5	26.3	0.34	8.11	0.08	6.65	0.34	100	39.5	58.6	2.0
COMP3	37	35	56.6	27.6	0.31	9.75	0.05	6.01	0.29	101	46.5	51.8	1.7
COMP3	37	53	56.3	27.5	0.23	9.85	0.09	5.79	0.26	100	47.7	50.8	1.5

COMP3	37	70	56.0	27.9	0.35	10.10	0.00	5.71	0.20	100	48.9	50.0	1.1
COMP3	37	88	55.7	28.2	0.16	9.95	0.05	5.79	0.21	100	48.1	50.7	1.2
COMP3	37	105	55.8	27.9	0.30	10.05	0.07	5.78	0.28	100	48.2	50.2	1.6
COMP3	37	123	55.5	27.7	0.33	9.47	0.03	5.74	0.22	99	47.1	51.7	1.3
COMP3	37	140	56.9	27.3	0.40	9.18	0.03	6.00	0.27	100	45.1	53.3	1.6
COMP3	37	192	57.3	26.8	0.27	8.73	0.06	6.27	0.26	100	42.8	55.6	1.5
COMP3	37	210	57.2	26.7	0.24	8.85	0.10	6.26	0.27	100	43.2	55.3	1.5
COMP3	37	227	58.5	26.6	0.43	8.62	0.03	6.52	0.34	101	41.4	56.7	2.0
COMP3	37	244	58.5	26.2	0.24	8.23	0.01	6.55	0.36	100	40.1	57.8	2.1
COMP3	37	262	59.2	26.2	0.23	7.95	0.20	6.68	0.31	101	39.0	59.2	1.8
COMP3	37	279	59.2	26.5	0.18	7.86	0.12	6.51	0.36	101	39.2	58.7	2.1
COMP3	37	297	58.8	26.8	0.39	8.40	0.01	6.74	0.38	102	39.9	58.0	2.1
COMP3	38	0	58.4	26.8	0.31	8.30	0.10	6.52	0.35	101	40.4	57.6	2.0
COMP3	38	27	57.9	26.6	0.29	8.62	0.06	6.46	0.26	100	41.8	56.7	1.5
COMP3	38	54	57.2	26.9	0.28	8.51	0.06	6.41	0.28	100	41.6	56.7	1.6
COMP3	38	81	58.2	26.6	0.23	8.10	0.12	6.50	0.36	100	39.9	58.0	2.1
COMP3	38	108	58.8	25.9	0.17	7.27	0.07	6.93	0.51	100	35.6	61.4	2.9
COMP3	38	162	55.9	26.8	0.42	9.42	0.24	6.23	0.28	99	44.8	53.6	1.6
COMP3	38	216	51.2	31.5	0.39	13.76	0.02	3.39	0.09	100	68.8	30.6	0.6
COMP3	38	243	49.9	31.9	0.39	15.33	0.02	3.07	0.06	101	73.1	26.5	0.3
COMP3	38	269	50.0	31.9	0.51	14.60	0.10	3.03	0.08	100	72.4	27.1	0.5
COMP3	38	296	50.6	32.1	0.45	13.96	0.10	3.34	0.17	101	69.1	29.9	1.0
COMP3	38	323	57.9	27.0	0.31	8.79	0.06	6.22	0.28	101	43.2	55.2	1.6
COMP3	38	350	59.5	25.9	0.36	7.76	0.06	6.92	0.37	101	37.5	60.4	2.1
COMP3	38	377	59.4	26.4	0.31	7.74	0.03	6.77	0.34	101	38.0	60.1	2.0
COMP3	38	431	59.4	26.3	0.30	7.88	0.01	6.77	0.27	101	38.5	59.9	1.6
COMP3	39	0	58.1	26.8	0.30	8.32	0.04	6.40	0.27	100	41.2	57.3	1.6
COMP3	39	65	59.0	26.1	0.33	7.62	0.03	6.60	0.29	100	38.3	60.0	1.7
COMP3	39	81	58.6	26.7	0.29	8.22	0.01	6.74	0.36	101	39.4	58.5	2.1
COMP3	39	98	58.8	25.8	0.29	8.07	0.07	6.88	0.29	100	38.7	59.7	1.6
COMP3	39	114	58.4	26.3	0.26	8.16	0.05	6.41	0.40	100	40.3	57.3	2.4
COMP3	39	130	58.4	26.2	0.24	8.14	0.17	6.56	0.29	100	40.0	58.3	1.7
COMP3	39	146	58.5	26.0	0.38	8.13	0.01	6.59	0.35	100	39.7	58.3	2.0
COMP3	39	162	58.5	26.3	0.24	8.15	0.12	6.48	0.37	100	40.1	57.7	2.2
COMP3	40	15	58.3	26.9	0.40	8.16	0.02	6.51	0.27	101	40.3	58.1	1.6
COMP3	40	30	58.2	26.5	0.35	7.94	0.11	6.70	0.24	100	39.0	59.6	1.4
COMP3	40	45	58.7	26.5	0.31	8.21	0.02	6.64	0.34	101	39.8	58.2	2.0
COMP3	40	60	58.6	26.4	0.22	8.51	0.09	6.73	0.36	101	40.3	57.7	2.0
COMP3	40	76	58.3	26.0	0.25	8.31	0.04	6.48	0.23	100	40.9	57.7	1.4
COMP3	40	91	58.4	26.1	0.23	8.43	0.10	6.44	0.34	100	41.2	56.9	2.0
COMP3	40	121	58.2	26.8	0.33	8.53	0.02	6.59	0.28	101	41.0	57.4	1.6
COMP3	40	136	58.4	26.5	0.35	8.27	0.03	6.47	0.31	100	40.7	57.5	1.8
COMP3	40	151	57.9	26.2	0.21	7.94	0.04	6.52	0.31	99	39.5	58.7	1.8
COMP3	40	166	58.5	26.4	0.32	8.52	0.10	6.73	0.26	101	40.5	58.0	1.5
COMP3	40	181	58.8	26.3	0.29	8.30	0.03	6.66	0.20	101	40.3	58.5	1.2
COMP3	40	196	58.0	25.9	0.32	8.04	0.09	6.85	0.33	100	38.6	59.5	1.9
COMP3	41	0	57.6	26.7	0.19	8.51	0.02	6.54	0.31	100	41.1	57.1	1.8
COMP3	41	52	58.1	26.3	0.35	8.25	0.11	6.46	0.30	100	40.7	57.6	1.8
COMP3	41	105	57.1	27.5	0.33	9.05	0.15	5.74	0.29	100	45.7	52.5	1.8
COMP3	41	130	76.4	13.5	0.88	0.93	0.24	2.73	3.70	99	9.1	48.0	42.9
COMP3	41	236	76.0	13.8	0.78	0.88	0.10	3.09	4.01	99	7.9	49.7	42.5
COMP3	41	261	58.1	25.8	0.19	7.89	0.12	6.49	0.36	99	39.3	58.5	2.1
COMP3	41	314	59.4	25.4	0.28	7.55	0.04	6.87	0.36	100	37.0	60.9	2.1
COMP3	41	339	58.0	26.4	0.27	8.35	0.09	6.47	0.30	100	40.9	57.4	1.7
COMP3	42	0	57.9	26.3	0.30	8.51	0.05	6.62	0.30	100	40.8	57.4	1.7
COMP3	42	16	58.0	26.1	0.23	8.23	0.15	6.46	0.32	100	40.5	57.6	1.9
COMP3	42	34	57.7	26.1	0.43	8.59	0.20	6.32	0.30	100	42.2	56.1	1.8
COMP3	42	50	58.8	26.4	0.26	8.13	0.05	6.44	0.35	101	40.2	57.7	2.1
COMP3	42	85	58.0	25.9	0.26	8.48	0.01	6.60	0.32	100	40.7	57.4	1.8
COMP3	42	119	57.8	26.2	0.26	8.60	0.11	6.66	0.30	100	40.9	57.4	1.7
COMP3	42	136	58.4	26.5	0.20	8.64	0.12	6.71	0.40	101	40.6	57.1	2.2
COMP3	43	0	59.0	26.5	0.30	8.32	0.05	6.51	0.24	101	40.8	57.8	1.4
COMP3	43	26	58.7	26.6	0.30	8.28	0.09	6.63	0.22	101	40.3	58.4	1.3
COMP3	43	104	58.7	26.4	0.21	8.59	0.00	6.33	0.21	100	42.3	56.5	1.2

COMP3	43	129	57.9	26.9	0.18	8.59	0.07	6.47	0.25	101	41.7	56.9	1.4
COMP3	43	155	58.6	26.7	0.25	8.25	0.09	6.80	0.26	101	39.5	59.0	1.5
COMP3	43	180	58.0	26.4	0.25	8.54	0.24	6.72	0.28	100	40.6	57.8	1.6
COMP3	43	207	59.0	26.2	0.28	8.33	0.04	6.48	0.30	101	40.8	57.5	1.8
COMP3	43	232	58.6	26.8	0.31	8.28	0.07	6.53	0.41	101	40.2	57.4	2.4
COMP3	43	258	58.1	26.6	0.17	8.22	0.14	6.49	0.39	100	40.2	57.5	2.3
COMP3	43	284	57.9	25.8	0.32	8.07	0.05	6.63	0.28	99	39.5	58.8	1.6
COMP3	43	310	58.8	26.3	0.22	8.20	0.07	6.53	0.31	100	40.2	58.0	1.8
COMP3	43	335	58.2	26.2	0.25	8.28	0.10	6.44	0.36	100	40.7	57.2	2.1
COMP3	44	15	59.1	26.1	0.35	8.30	0.16	6.50	0.33	101	40.6	57.5	1.9
COMP3	44	77	58.7	26.4	0.22	8.18	0.05	6.86	0.30	101	39.0	59.2	1.7
COMP3	44	124	59.0	26.5	0.25	8.10	0.03	6.60	0.22	101	39.9	58.8	1.3
COMP3	44	139	58.0	26.1	0.27	8.02	0.10	6.60	0.35	100	39.4	58.6	2.0
COMP3	44	170	59.0	25.8	0.17	8.02	0.01	6.58	0.38	100	39.4	58.4	2.2
COMP3	44	185	57.9	26.3	0.40	8.08	0.19	6.62	0.33	100	39.5	58.6	1.9
COMP3	44	216	59.4	26.1	0.27	7.80	0.07	6.79	0.33	101	38.1	60.0	1.9
COMP3	44	263	58.4	25.8	0.31	8.05	0.09	6.78	0.36	100	38.8	59.1	2.1
COMP3	44	310	58.8	26.6	0.19	8.07	0.10	6.67	0.28	101	39.4	59.0	1.6
COMP3	44	325	58.5	26.4	0.20	8.40	0.02	6.59	0.29	100	40.6	57.7	1.7
COMP3	44	340	58.6	26.2	0.31	8.03	0.00	6.70	0.39	100	39.0	58.8	2.2
COMP3	44	372	58.4	26.6	0.21	8.13	0.08	6.68	0.39	101	39.3	58.5	2.3
COMP3	m1		67.8	20.5	0.34	4.21	0.23	7.13	1.22	101	22.7	69.5	7.8
COMP3	m2		65.8	21.7	0.37	4.43	0.15	7.35	0.79	101	23.7	71.2	5.1
COMP3	m3		62.5	23.5	0.34	5.85	0.12	7.56	0.48	100	29.1	68.1	2.8
COMP3	m4		63.3	22.5	0.27	4.58	0.00	7.83	0.70	99	23.4	72.4	4.2
COMP3	m5		68.1	20.4	0.34	4.44	0.06	6.73	0.94	101	25.0	68.7	6.3
COMP3	m6		64.2	22.8	0.41	4.79	0.07	7.63	0.44	100	25.1	72.2	2.7
COMP3	m7		64.7	23.2	0.36	5.26	0.03	7.54	0.56	102	26.9	69.7	3.4
COMP3	m8		68.6	19.5	0.46	4.60	0.10	5.68	1.16	100	28.3	63.2	8.5
COMP3	m9		64.3	22.6	0.48	4.96	0.12	7.57	0.52	101	25.7	71.1	3.2
COMP3	m10		63.1	23.2	0.31	5.21	0.28	7.94	0.66	101	25.6	70.5	3.9
COMP3	m11		52.1	30.1	0.52	12.94	0.04	4.16	0.13	100	62.8	36.5	0.7
COMP3	m12		58.3	26.5	0.28	8.46	0.04	6.29	0.34	100	41.8	56.2	2.0
COMP3	m13		54.4	29.5	0.29	11.40	0.07	4.98	0.19	101	55.2	43.7	1.1
COMP3	m14		63.4	23.0	0.46	5.07	0.19	8.01	0.62	101	25.0	71.4	3.6
COMP3	m15		59.4	26.1	0.18	7.74	0.17	6.65	0.23	101	38.6	60.0	1.4
COMP3	m16		59.7	25.9	0.28	8.21	0.07	6.63	0.32	101	39.9	58.3	1.8
COMP3	m17		60.5	23.2	0.37	5.10	0.19	8.48	0.55	98	24.2	72.7	3.1
COMP3	m18		58.8	26.4	0.18	8.27	0.12	6.54	0.30	101	40.4	57.8	1.7
COMP3	m19		59.4	26.0	0.31	8.15	0.15	6.64	0.38	101	39.5	58.3	2.2
COMP3	m20		49.7	32.0	0.55	14.80	0.02	2.82	0.06	100	74.1	25.5	0.4
COMP3	m21		59.5	26.2	0.25	8.14	0.03	6.65	0.28	101	39.7	58.7	1.6
COMP3	m22		58.7	26.5	0.16	8.45	0.04	6.43	0.35	101	41.2	56.7	2.1
COMP3	m23		63.6	23.8	0.32	4.98	0.16	7.85	0.43	101	25.3	72.1	2.6
COMP3	m24		62.6	24.1	0.25	5.83	0.23	7.82	0.40	101	28.5	69.2	2.3
COMP3	m25		63.7	23.7	0.20	4.92	0.07	8.38	0.56	102	23.7	73.1	3.2
COMP3	m26		60.2	25.8	0.31	7.44	0.03	6.72	0.25	101	37.4	61.1	1.5
COMP3	m27		59.8	26.0	0.15	7.52	0.14	6.92	0.41	101	36.6	61.0	2.4
COMP3	m28		59.9	25.7	0.26	6.98	0.11	7.00	0.48	101	34.5	62.6	2.8
COMP3	m29		60.3	26.0	0.17	7.44	0.02	7.15	0.34	100	35.8	62.3	1.9
COMP3	m30		63.0	24.2	0.30	5.78	0.00	7.59	0.45	101	28.8	68.5	2.7
COMP3	m31		61.9	25.3	0.37	6.34	0.06	7.28	0.30	101	31.9	66.3	1.8
COMP3	m32		59.7	26.2	0.30	8.11	0.02	6.76	0.37	101	39.0	58.9	2.1
COMP3	m33		58.6	26.4	0.32	7.79	0.12	6.81	0.37	100	37.9	60.0	2.1
COMP3	m34		58.8	26.8	0.30	7.64	0.07	6.62	0.26	101	38.3	60.1	1.5
COMP3	m35		59.3	26.3	0.31	8.23	0.07	6.62	0.34	101	39.9	58.1	1.9
COMP3	m36		59.7	26.6	0.22	7.84	0.04	6.81	0.42	102	37.9	59.6	2.4
COMP3	m37		59.6	25.8	0.37	7.62	0.01	6.63	0.29	100	38.2	60.1	1.7
COMP3	m38		59.0	25.9	0.24	8.07	0.11	6.74	0.33	101	39.1	59.0	1.9
COMP3	m39		58.9	26.9	0.13	8.05	0.08	6.77	0.35	101	38.9	59.1	2.0
COMP3	m40		59.4	26.0	0.26	7.99	0.09	6.68	0.29	101	39.1	59.2	1.7
COMP3	m41		59.3	26.5	0.29	8.25	0.08	6.70	0.36	100	39.7	58.3	2.1
COMP3	m42		59.4	25.9	0.36	7.57	0.05	6.77	0.28	100	37.6	60.8	1.7
COMP3	m43		59.0	26.1	0.22	7.86	0.02	6.52	0.36	100	39.1	58.7	2.2

COMP3	m44		59.1	26.3	0.31	8.15	0.18	6.49	0.38	101	40.1	57.7	2.2
COMP3	m45		59.0	26.5	0.28	8.63	0.01	6.46	0.32	100	41.7	56.5	1.8
COMP3	m46		58.6	25.9	0.32	8.39	0.04	6.37	0.30	100	41.4	56.8	1.8
COMP3	m47		59.4	26.5	0.35	8.20	0.07	6.31	0.30	100	41.0	57.2	1.8
COMP3	m48		57.9	26.9	0.35	9.04	0.14	6.00	0.31	101	44.6	53.6	1.8
COMP3	m49		58.5	27.3	0.20	9.41	0.04	6.05	0.29	101	45.5	52.9	1.6
COMP3	m50		57.6	27.1	0.31	9.38	0.06	6.17	0.32	101	44.9	53.4	1.8
COMP3	m51		58.2	27.0	0.33	8.48	0.10	6.13	0.29	101	42.6	55.7	1.8
COMP3	m52		57.7	27.3	0.25	9.25	0.03	5.89	0.31	101	45.6	52.6	1.8
COMP3	m53		58.1	26.9	0.29	8.54	0.06	6.11	0.21	100	43.1	55.7	1.2
COMP3	m54		57.7	27.4	0.32	8.89	0.16	6.17	0.32	101	43.5	54.6	1.9
COMP3	m55		58.9	26.6	0.22	8.13	0.03	6.75	0.35	100	39.2	58.8	2.0
COMP3	m56		58.7	26.6	0.42	8.06	0.00	6.48	0.28	101	40.1	58.3	1.7
COMP3	m57		58.9	26.5	0.36	8.26	0.11	6.28	0.31	101	41.3	56.9	1.9
COMP3	m58		58.7	26.7	0.26	7.99	0.18	6.51	0.29	101	39.7	58.5	1.7
COMP3	m59		59.5	26.1	0.24	7.85	0.06	6.75	0.42	101	38.2	59.4	2.4
COMP3	m60		59.2	26.0	0.45	8.09	0.11	6.68	0.38	100	39.2	58.6	2.2
COMP3	m61		59.0	26.0	0.34	7.69	0.03	6.81	0.48	100	37.4	59.9	2.8
COMP3	m62		57.0	27.7	0.29	8.83	0.08	6.27	0.41	101	42.7	54.9	2.4
COMP3	m63		57.8	27.5	0.19	9.39	0.00	6.11	0.37	100	45.0	52.9	2.1
COMP3	m64		58.1	27.4	0.31	9.30	0.11	6.00	0.34	101	45.2	52.8	2.0
COMP3	m65		59.4	26.2	0.23	7.82	0.07	6.63	0.34	101	38.7	59.3	2.0
COMP3	m66		59.3	25.5	0.25	7.53	0.08	6.96	0.29	100	36.8	61.5	1.7
COMP3	m67		59.1	26.0	0.30	7.84	0.03	6.65	0.36	100	38.6	59.2	2.1
COMP3	m68		59.2	26.4	0.30	7.51	0.16	6.82	0.32	101	37.1	61.0	1.9
COMP3	m69		60.2	25.4	0.19	7.69	0.00	6.92	0.36	101	37.2	60.7	2.1
COMP3	m70		59.3	26.1	0.32	7.99	0.06	6.65	0.34	101	39.1	58.9	2.0
COMP3	m71		58.7	26.3	0.39	8.03	0.14	6.62	0.33	101	39.4	58.7	1.9
COMP3	m72		60.0	26.2	0.22	7.66	0.04	6.57	0.43	100	38.2	59.3	2.6
JAL10	1	0	58.7	26.1	0.36	7.93	0.02	6.92	0.35	100	38.0	60.0	2.0
JAL10	1	21	59.1	26.3	0.33	7.85	0.02	6.96	0.35	101	37.6	60.4	2.0
JAL10	1	121	57.0	27.8	0.29	9.37	0.02	6.10	0.30	101	45.2	53.1	1.7
JAL10	1	182	54.1	30.8	0.33	8.82	0.03	6.16	0.24	101	43.6	55.0	1.4
JAL10	1	222	56.0	28.3	0.44	10.23	0.01	5.61	0.25	101	49.5	49.1	1.5
JAL10	1	242	55.9	28.3	0.43	10.32	0.01	5.70	0.23	101	49.3	49.4	1.3
JAL10	1	383	55.2	28.7	0.41	10.82	0.01	5.33	0.24	101	52.2	46.5	1.4
JAL10	1	423	55.5	28.1	0.42	10.81	0.02	5.29	0.22	100	52.4	46.4	1.3
JAL10	1	443	55.1	28.7	0.41	10.69	0.00	5.41	0.21	101	51.6	47.2	1.2
JAL10	1	464	55.2	29.2	0.34	10.69	0.02	5.31	0.17	101	52.2	46.8	1.0
JAL10	1	504	55.4	28.5	0.40	10.61	0.01	5.51	0.22	101	50.9	47.9	1.2
JAL10	1	585	55.6	28.7	0.39	10.44	0.06	5.48	0.20	101	50.7	48.2	1.1
JAL10	1	605	55.6	28.8	0.43	10.13	0.03	5.59	0.23	101	49.4	49.3	1.3
JAL10	1	625	55.7	28.5	0.48	10.37	0.01	5.52	0.24	101	50.3	48.4	1.4
JAL10	1	645	55.8	28.6	0.41	10.29	0.00	5.57	0.26	101	49.8	48.8	1.5
JAL10	1	686	54.5	28.0	0.42	10.03	0.05	5.58	0.26	99	49.1	49.4	1.5
JAL10	1	726	56.3	28.2	0.33	10.04	0.06	5.62	0.27	101	48.9	49.5	1.6
JAL10	1	766	56.5	28.0	0.39	9.68	0.03	5.68	0.25	101	47.8	50.8	1.5
JAL10	1	807	56.7	27.7	0.32	9.43	0.00	6.13	0.29	101	45.2	53.2	1.6
JAL10	1	886	59.0	26.5	0.28	7.90	0.01	6.79	0.37	101	38.3	59.5	2.1
JAL10	2	175	58.5	26.7	0.28	8.24	0.06	6.67	0.37	101	39.7	58.1	2.1
JAL10	2	200	58.7	26.7	0.34	8.21	0.03	6.68	0.33	101	39.7	58.4	1.9
JAL10	2	224	57.9	26.7	0.30	8.70	0.01	6.75	0.29	101	40.9	57.5	1.6
JAL10	2	299	53.3	30.7	0.29	11.65	0.04	4.59	0.17	101	57.8	41.2	1.0
JAL10	2	400	59.0	26.2	0.30	7.98	0.03	6.92	0.34	101	38.2	59.9	1.9
JAL10	2	474	59.4	26.1	0.23	7.64	0.05	7.04	0.39	101	36.6	61.1	2.2
JAL10	2	499	59.4	26.3	0.28	7.56	0.02	7.04	0.38	101	36.4	61.4	2.2
JAL10	2	525	57.8	27.3	0.35	8.53	0.01	6.54	0.28	101	41.2	57.2	1.6
JAL10	2	649	57.9	26.8	0.34	8.26	0.04	6.59	0.33	100	40.2	57.9	1.9
JAL10	2	674	58.6	26.6	0.31	8.31	0.06	6.50	0.32	101	40.6	57.5	1.9
JAL10	2	800	58.3	26.6	0.31	8.32	0.03	6.67	0.32	101	40.1	58.1	1.8
JAL10	2	825	58.7	26.6	0.30	8.08	0.08	6.82	0.35	101	38.8	59.2	2.0
JAL10	2	850	58.7	26.5	0.33	8.03	0.00	6.89	0.36	101	38.4	59.6	2.0
JAL10	3	34	60.4	25.8	0.34	7.18	0.11	7.28	0.41	101	34.5	63.2	2.3
JAL10	3	51	60.1	25.8	0.23	7.07	0.13	7.28	0.47	100	34.0	63.3	2.7

JAL10	3	68	61.2	25.3	0.27	6.63	0.10	7.45	0.47	100	32.1	65.2	2.7
JAL10	3	85	61.2	25.4	0.27	6.61	0.10	7.46	0.40	100	32.1	65.6	2.3
JAL10	3	102	60.5	25.4	0.32	7.00	0.06	7.42	0.47	100	33.4	64.0	2.7
JAL10	3	119	60.2	25.9	0.27	7.28	0.11	7.06	0.40	100	35.5	62.2	2.3
JAL10	3	135	60.3	25.9	0.27	7.20	0.06	7.15	0.39	100	35.0	62.8	2.2
JAL10	3	152	59.5	25.8	0.29	7.45	0.04	7.11	0.43	101	35.8	61.8	2.5
JAL10	3	170	60.0	25.8	0.25	7.22	0.09	7.09	0.38	101	35.2	62.6	2.2
JAL10	3	271	60.4	25.5	0.26	6.75	0.00	7.36	0.45	101	32.7	64.6	2.6
JAL10	3	288	60.0	25.7	0.28	7.16	0.08	7.26	0.44	101	34.4	63.1	2.5
JAL10	3	304	59.2	26.2	0.27	7.75	0.06	6.91	0.39	101	37.4	60.4	2.2
JAL10	3	321	58.9	26.6	0.33	8.10	0.04	6.79	0.38	100	38.9	59.0	2.2
JAL10	4	0	61.3	24.6	0.38	6.24	0.07	7.66	0.51	101	30.2	66.9	2.9
JAL10	4	15	60.0	26.0	0.30	7.52	0.04	7.09	0.37	100	36.2	61.7	2.1
JAL10	4	30	59.7	25.9	0.27	7.23	0.04	7.05	0.40	101	35.3	62.3	2.3
JAL10	4	46	60.2	25.8	0.31	7.12	0.07	7.36	0.41	100	34.0	63.6	2.3
JAL10	4	61	60.3	25.9	0.27	7.19	0.07	7.10	0.39	100	35.1	62.7	2.3
JAL10	4	92	59.9	25.9	0.20	7.32	0.05	7.24	0.38	100	35.0	62.8	2.2
JAL10	4	108	59.9	25.9	0.21	7.19	0.07	7.14	0.43	101	34.9	62.6	2.5
JAL10	4	123	59.8	25.8	0.25	7.17	0.05	7.26	0.42	101	34.4	63.2	2.4
JAL10	4	138	60.3	25.6	0.32	7.00	0.00	7.27	0.42	101	33.9	63.7	2.4
JAL10	4	200	59.7	26.2	0.25	7.59	0.04	6.92	0.35	100	37.0	61.0	2.0
JAL10	4	216	61.7	24.9	0.38	6.10	0.04	7.74	0.46	101	29.5	67.8	2.6
JAL10	5	0	59.8	26.2	0.31	7.67	0.04	6.97	0.40	100	37.0	60.7	2.3
JAL10	5	16	60.7	25.6	0.26	7.11	0.01	7.29	0.42	100	34.2	63.4	2.4
JAL10	5	32	60.3	25.8	0.28	7.08	0.02	7.36	0.37	100	34.0	63.9	2.1
JAL10	5	49	60.4	25.8	0.29	6.97	0.06	7.41	0.45	100	33.3	64.1	2.6
JAL10	5	65	60.3	25.8	0.27	6.83	0.05	7.25	0.40	101	33.5	64.2	2.3
JAL10	5	81	60.1	25.8	0.26	7.17	0.03	7.20	0.44	100	34.6	62.9	2.5
JAL10	5	97	60.1	25.8	0.30	7.26	0.02	7.33	0.41	100	34.5	63.1	2.3
JAL10	5	113	60.0	26.1	0.33	7.49	0.03	7.09	0.36	100	36.1	61.8	2.0
JAL10	5	130	59.8	25.7	0.35	7.39	0.04	7.13	0.37	101	35.6	62.2	2.1
JAL10	5	195	60.4	25.6	0.27	6.83	0.03	7.34	0.40	101	33.1	64.5	2.3
JAL10	5	211	60.2	25.9	0.25	7.06	0.04	7.18	0.44	100	34.3	63.1	2.5
JAL10	5	227	61.4	24.6	0.33	6.36	0.01	7.65	0.45	101	30.7	66.7	2.6
JAL10	6	17	60.4	25.3	0.22	6.84	0.05	7.45	0.43	101	32.8	64.7	2.5
JAL10	6	33	59.7	25.5	0.25	7.03	0.06	7.32	0.43	100	33.8	63.7	2.5
JAL10	6	49	60.5	25.2	0.29	6.78	0.04	7.42	0.47	101	32.7	64.7	2.7
JAL10	6	65	60.1	25.6	0.29	6.87	0.01	7.32	0.44	101	33.3	64.2	2.5
JAL10	6	82	61.5	25.1	0.26	6.40	0.09	7.59	0.47	100	30.9	66.4	2.7
JAL10	6	97	60.6	25.2	0.24	6.63	0.09	7.53	0.43	101	31.9	65.6	2.5
JAL10	6	113	60.3	25.5	0.28	7.10	0.06	7.36	0.45	100	33.9	63.6	2.5
JAL10	6	130	60.2	25.7	0.26	7.09	0.04	7.25	0.41	101	34.2	63.4	2.3
JAL10	6	146	60.2	25.7	0.29	6.98	0.07	7.38	0.45	100	33.4	64.0	2.6
JAL10	6	178	60.1	25.2	0.30	6.98	0.04	7.39	0.42	100	33.5	64.1	2.4
JAL10	6	195	60.6	25.4	0.29	6.73	0.00	7.50	0.44	101	32.3	65.2	2.5
JAL10	6	211	60.6	25.5	0.27	6.79	0.10	7.50	0.46	100	32.5	64.9	2.6
JAL10	6	227	60.5	25.1	0.26	6.57	0.03	7.47	0.43	100	31.9	65.6	2.5
JAL10	6	243	59.6	26.2	0.30	7.75	0.02	7.04	0.45	100	36.8	60.6	2.5
JAL10	6	259	60.1	25.9	0.32	7.47	0.04	7.12	0.39	100	35.9	61.9	2.2
JAL10	6	276	59.0	26.5	0.27	7.77	0.03	6.81	0.37	101	37.9	60.0	2.1
JAL10	7	0	59.3	26.4	0.31	7.92	0.03	6.83	0.36	100	38.2	59.7	2.1
JAL10	7	41	58.5	26.8	0.29	8.45	0.07	6.58	0.33	101	40.7	57.4	1.9
JAL10	7	61	58.8	27.0	0.29	8.16	0.02	6.72	0.34	100	39.4	58.7	2.0
JAL10	7	82	58.7	27.0	0.32	8.26	0.05	6.57	0.34	100	40.2	57.9	2.0
JAL10	7	102	58.3	27.2	0.29	8.64	0.04	6.47	0.36	100	41.6	56.3	2.1
JAL10	7	123	58.7	26.9	0.31	8.22	0.03	6.69	0.35	100	39.6	58.4	2.0
JAL10	7	143	58.7	26.6	0.29	8.19	0.01	6.76	0.34	101	39.3	58.8	1.9
JAL10	7	164	58.0	27.2	0.32	8.68	0.03	6.44	0.31	101	41.9	56.3	1.8
JAL10	7	184	58.2	26.9	0.30	8.22	0.06	6.54	0.32	101	40.2	57.9	1.9
JAL10	7	369	57.2	28.2	0.33	9.50	0.00	4.77	0.27	100	51.5	46.8	1.7
JAL10	7	390	57.0	28.6	0.29	9.93	0.00	5.16	0.26	101	50.7	47.7	1.6
JAL10	8	0	60.9	24.9	0.42	6.36	0.09	7.56	0.41	101	31.0	66.6	2.4
JAL10	8	18	58.6	26.7	0.33	8.31	0.07	6.67	0.35	100	40.0	58.0	2.0
JAL10	8	37	58.5	26.9	0.29	8.41	0.01	6.54	0.36	100	40.7	57.2	2.1

JAL10	8	55	58.2	26.9	0.37	8.66	0.01	6.50	0.27	101	41.7	56.7	1.6
JAL10	8	74	55.8	28.8	0.34	10.44	0.00	5.60	0.21	100	50.1	48.7	1.2
JAL10	8	92	55.9	28.9	0.36	10.37	0.02	5.62	0.25	100	49.8	48.8	1.4
JAL10	8	111	55.8	28.9	0.39	10.73	0.02	5.40	0.22	100	51.7	47.1	1.3
JAL10	8	130	55.9	28.8	0.28	10.24	0.04	5.69	0.28	100	49.1	49.3	1.6
JAL10	8	148	55.5	28.8	0.33	10.53	0.04	5.43	0.20	101	51.1	47.7	1.2
JAL10	8	167	59.8	25.8	0.33	7.37	0.01	7.08	0.38	101	35.7	62.1	2.2
JAL10	8	204	58.6	26.8	0.28	8.26	0.08	6.74	0.37	100	39.5	58.4	2.1
JAL10	8	241	57.1	27.5	0.29	9.24	0.05	6.11	0.29	101	44.7	53.6	1.6
JAL10	8	260	58.7	26.8	0.31	8.28	0.02	6.73	0.32	100	39.7	58.4	1.8
JAL10	9	14	59.5	26.5	0.31	7.70	0.07	6.95	0.34	100	37.2	60.8	1.9
JAL10	9	29	59.7	25.8	0.27	7.61	0.01	7.08	0.34	101	36.6	61.5	1.9
JAL10	9	42	59.4	26.2	0.25	7.63	0.02	7.02	0.40	101	36.6	61.1	2.3
JAL10	9	57	59.6	26.1	0.28	7.64	0.04	7.09	0.39	100	36.5	61.3	2.2
JAL10	9	71	59.5	26.1	0.25	7.40	0.06	7.02	0.41	101	35.9	61.7	2.4
JAL10	9	85	59.0	26.2	0.27	8.00	0.07	6.87	0.40	101	38.3	59.5	2.3
JAL10	9	99	58.7	26.5	0.31	8.01	0.03	6.86	0.37	101	38.4	59.5	2.1
JAL10	9	114	58.8	26.6	0.30	8.00	0.04	6.70	0.38	101	38.9	58.9	2.2
JAL10	9	127	60.3	25.7	0.36	7.46	0.10	6.86	0.41	100	36.6	61.0	2.4
JAL10	9	156	59.2	26.0	0.32	7.53	0.05	7.19	0.38	101	35.9	62.0	2.1
JAL10	9	170	59.8	25.8	0.30	6.99	0.06	7.36	0.40	101	33.6	64.1	2.3
JAL10	9	184	59.1	26.4	0.31	7.90	0.03	6.86	0.38	101	38.0	59.8	2.2
JAL10	9	198	60.6	25.2	0.34	6.75	0.02	7.50	0.41	101	32.4	65.2	2.4
JAL10	10	17	59.5	26.4	0.27	7.70	0.03	6.95	0.38	100	37.2	60.7	2.2
JAL10	10	36	60.4	25.6	0.26	7.07	0.06	7.36	0.42	100	33.9	63.8	2.4
JAL10	10	53	60.5	25.3	0.23	6.81	0.02	7.37	0.40	101	33.0	64.7	2.3
JAL10	10	89	60.9	25.3	0.25	6.60	0.04	7.41	0.46	100	32.1	65.2	2.7
JAL10	10	125	60.8	25.3	0.26	6.68	0.08	7.50	0.43	100	32.2	65.4	2.4
JAL10	10	142	60.7	25.5	0.27	6.69	0.06	7.20	0.47	101	33.0	64.3	2.7
JAL10	10	161	60.6	25.1	0.26	6.58	0.08	7.44	0.49	101	31.9	65.3	2.8
JAL10	10	178	60.8	25.6	0.28	6.80	0.06	7.51	0.41	100	32.6	65.1	2.3
JAL10	10	214	59.9	26.0	0.27	7.38	0.05	7.10	0.41	100	35.6	62.0	2.4
JAL10	10	232	59.1	26.3	0.25	7.78	0.06	7.05	0.36	101	37.1	60.9	2.0
JAL10	11	0	58.5	26.8	0.35	8.09	0.00	6.72	0.35	101	39.2	58.8	2.0
JAL10	11	14	58.9	26.9	0.31	8.12	0.00	6.75	0.36	100	39.1	58.8	2.1
JAL10	11	29	59.1	26.9	0.30	8.03	0.01	6.72	0.38	100	38.9	58.9	2.2
JAL10	11	88	60.3	25.5	0.27	6.95	0.05	7.40	0.42	101	33.3	64.2	2.4
JAL10	11	146	59.5	26.1	0.29	7.47	0.02	7.10	0.38	101	36.0	61.9	2.2
JAL10	11	176	60.5	25.9	0.29	6.85	0.06	7.30	0.47	100	33.2	64.1	2.7
JAL10	11	191	60.6	25.7	0.28	6.90	0.00	7.41	0.45	100	33.1	64.3	2.6
JAL10	11	205	59.9	25.6	0.30	7.00	0.04	7.33	0.44	101	33.7	63.8	2.5
JAL10	11	221	60.1	25.9	0.34	7.11	0.03	7.28	0.42	100	34.2	63.4	2.4
JAL10	11	235	60.2	26.1	0.27	7.14	0.10	7.27	0.40	100	34.4	63.3	2.3
JAL10	11	250	60.3	25.8	0.24	7.29	0.04	7.22	0.42	100	35.0	62.6	2.4
JAL10	11	264	58.8	26.5	0.31	8.17	0.02	6.90	0.34	100	38.8	59.3	1.9
JAL10	11	279	60.5	25.7	0.25	7.02	0.04	7.42	0.41	100	33.5	64.1	2.4
JAL10	11	294	60.6	25.4	0.26	7.02	0.11	7.32	0.39	100	33.9	63.9	2.3
JAL10	11	308	59.5	26.1	0.32	7.59	0.05	6.99	0.41	100	36.6	61.0	2.4
JAL10	11	338	60.1	26.2	0.27	7.29	0.09	7.11	0.40	100	35.3	62.4	2.3
JAL10	11	353	59.4	26.4	0.28	7.80	0.01	6.99	0.37	100	37.3	60.6	2.1
JAL10	11	367	58.8	26.8	0.29	8.12	0.04	6.90	0.35	100	38.6	59.4	2.0
JAL10	11	383	59.0	26.6	0.27	8.03	0.04	6.84	0.36	100	38.5	59.4	2.1
JAL10	11	397	59.3	26.7	0.27	7.92	0.01	6.91	0.32	100	38.1	60.1	1.8
JAL10	11	412	59.0	26.4	0.34	8.02	0.05	6.82	0.41	100	38.5	59.2	2.3
JAL10	12	0	60.0	25.7	0.27	7.02	0.01	7.21	0.41	101	34.1	63.5	2.4
JAL10	12	39	60.6	25.4	0.29	6.72	0.02	7.40	0.43	101	32.6	64.9	2.5
JAL10	12	78	60.3	25.7	0.26	7.15	0.00	7.39	0.41	100	34.0	63.7	2.3
JAL10	12	117	59.7	25.7	0.37	7.73	0.01	7.00	0.32	101	37.2	60.9	1.9
JAL10	12	136	58.9	26.7	0.27	8.26	0.00	6.08	0.35	101	42.0	55.9	2.1
JAL10	12	175	59.1	26.2	0.26	7.78	0.04	6.87	0.38	101	37.7	60.2	2.2
JAL10	12	214	58.9	26.6	0.25	7.89	0.07	6.80	0.35	101	38.3	59.7	2.0
JAL10	12	233	59.8	25.6	0.27	7.34	0.02	7.07	0.40	101	35.6	62.1	2.3
JAL10	12	272	59.3	26.2	0.26	7.78	0.01	6.81	0.37	101	37.9	60.0	2.2
JAL10	12	292	59.2	26.5	0.26	8.01	0.05	6.91	0.33	100	38.3	59.8	1.9

JAL10	12	311	59.1	26.3	0.31	8.00	0.06	6.86	0.38	100	38.3	59.5	2.2
JAL10	12	330	59.2	26.5	0.29	8.16	0.00	6.74	0.33	100	39.3	58.8	1.9
JAL10	12	350	59.2	26.0	0.33	8.01	0.04	6.85	0.33	101	38.5	59.6	1.9
JAL10	12	369	59.0	26.6	0.28	7.98	0.03	6.81	0.42	100	38.3	59.2	2.4
JAL10	12	389	59.9	25.8	0.30	7.34	0.05	7.18	0.38	100	35.3	62.5	2.2
JAL10	12	408	60.0	25.9	0.28	7.09	0.07	7.29	0.40	100	34.2	63.5	2.3
JAL10	12	428	59.1	26.5	0.31	8.01	0.00	6.82	0.42	100	38.4	59.2	2.4
JAL10	12	465	59.1	26.4	0.28	7.97	0.07	6.84	0.34	100	38.4	59.7	2.0
JAL10	13	21	60.0	25.8	0.27	7.24	0.05	7.13	0.39	101	35.1	62.6	2.3
JAL10	13	42	59.8	25.7	0.33	7.30	0.05	7.13	0.39	101	35.3	62.4	2.3
JAL10	13	63	59.9	26.1	0.30	7.39	0.02	7.15	0.39	100	35.5	62.2	2.2
JAL10	13	84	59.8	26.3	0.27	7.46	0.02	7.13	0.38	100	35.9	61.9	2.2
JAL10	13	126	60.1	26.1	0.25	7.28	0.06	7.20	0.44	100	34.9	62.5	2.5
JAL10	13	147	60.0	26.0	0.28	7.31	0.03	7.17	0.37	100	35.3	62.6	2.1
JAL10	13	168	60.1	25.9	0.29	7.21	0.05	7.25	0.39	100	34.7	63.1	2.3
JAL10	13	189	60.0	26.0	0.25	7.05	0.04	7.33	0.40	100	33.9	63.8	2.3
JAL10	13	210	59.9	26.1	0.29	7.42	0.01	7.23	0.40	100	35.4	62.3	2.3
JAL10	13	231	59.5	25.8	0.28	7.55	0.04	7.13	0.39	101	36.1	61.7	2.2
JAL10	13	252	59.9	26.0	0.30	7.56	0.02	7.09	0.36	100	36.3	61.6	2.1
JAL10	13	273	59.3	26.3	0.33	7.76	0.04	6.86	0.34	101	37.7	60.3	2.0
JAL10	13	294	59.9	26.0	0.28	7.53	0.07	7.26	0.39	100	35.7	62.1	2.2
JAL10	13	315	59.7	26.1	0.28	7.63	0.03	7.16	0.39	100	36.2	61.5	2.2
JAL10	13	336	60.1	25.7	0.28	7.32	0.01	7.24	0.38	100	35.1	62.8	2.2
JAL10	13	357	60.1	26.1	0.26	7.54	0.01	7.04	0.37	100	36.4	61.5	2.1
JAL10	13	378	59.2	26.0	0.28	7.56	0.02	7.02	0.34	100	36.6	61.4	2.0
JAL10	13	399	59.8	26.3	0.27	7.36	0.02	6.84	0.40	101	36.4	61.2	2.3
JAL10	13	420	59.8	26.0	0.32	7.53	0.00	7.08	0.40	100	36.1	61.5	2.3
JAL10	13	441	59.3	25.7	0.25	7.55	0.06	7.00	0.37	100	36.5	61.3	2.1
JAL10	13	462	59.3	26.4	0.29	7.89	0.01	6.96	0.37	100	37.7	60.2	2.1
JAL10	13	483	59.0	26.1	0.32	7.99	0.01	6.94	0.38	101	38.1	59.8	2.1
JAL10	13	504	59.0	26.4	0.31	8.01	0.01	6.80	0.36	101	38.6	59.3	2.1
JAL10	13	525	58.6	26.3	0.30	8.16	0.01	6.83	0.37	101	38.9	59.0	2.1
JAL10	13	547	59.5	26.3	0.30	7.64	0.01	7.04	0.36	100	36.7	61.3	2.0
JAL10	13	568	59.7	25.9	0.28	7.49	0.09	7.20	0.39	101	35.7	62.1	2.2
JAL10	13	610	59.5	25.9	0.27	7.26	0.03	7.14	0.39	100	35.2	62.6	2.3
JAL10	13	631	59.6	25.9	0.28	7.44	0.03	7.14	0.40	101	35.7	62.0	2.3
JAL10	13	652	59.6	25.7	0.27	7.47	0.03	7.09	0.40	101	35.9	61.8	2.3
JAL10	13	673	59.8	25.9	0.28	7.36	0.04	7.14	0.38	101	35.5	62.3	2.2
JAL10	13	694	59.5	25.6	0.21	7.37	0.02	7.14	0.40	100	35.5	62.2	2.3
JAL10	13	715	59.0	26.6	0.31	8.01	0.04	6.82	0.40	101	38.4	59.3	2.3
JAL10	14	0	59.1	26.5	0.28	7.84	0.08	7.00	0.36	100	37.5	60.5	2.0
JAL10	14	20	60.0	25.9	0.31	7.21	0.02	7.25	0.38	100	34.7	63.1	2.2
JAL10	14	39	60.2	25.7	0.28	7.11	0.10	7.36	0.42	100	34.0	63.6	2.4
JAL10	14	58	59.8	25.9	0.31	7.31	0.07	7.17	0.39	101	35.2	62.5	2.3
JAL10	14	77	59.5	26.2	0.30	7.53	0.00	7.15	0.42	100	35.9	61.7	2.4
JAL10	14	96	60.0	25.9	0.28	7.46	0.01	7.09	0.38	100	36.0	61.9	2.2
JAL10	14	115	59.7	24.9	0.28	7.41	0.06	7.06	0.37	100	35.9	61.9	2.2
JAL10	14	134	59.8	26.0	0.27	7.62	0.04	7.01	0.40	100	36.7	61.0	2.3
JAL10	14	153	59.1	26.4	0.27	7.86	0.00	6.89	0.39	101	37.8	59.9	2.2
JAL10	14	173	59.7	25.9	0.29	7.52	0.05	7.06	0.40	101	36.2	61.5	2.3
JAL10	14	192	60.2	25.8	0.28	7.17	0.07	7.27	0.43	100	34.4	63.1	2.5
JAL10	14	211	60.2	25.8	0.25	7.08	0.00	7.35	0.41	100	33.9	63.7	2.4
JAL10	14	230	59.9	25.6	0.24	7.16	0.00	7.25	0.44	101	34.4	63.1	2.5
JAL10	14	249	60.2	26.0	0.27	7.20	0.03	7.24	0.43	100	34.6	62.9	2.5
JAL10	14	268	59.5	26.6	0.27	7.08	0.06	7.28	0.41	100	34.1	63.5	2.4
JAL10	14	287	60.0	25.7	0.23	7.24	0.01	7.21	0.38	101	34.9	62.9	2.2
JAL10	14	306	60.0	25.6	0.28	7.17	0.01	7.19	0.38	101	34.8	63.1	2.2
JAL10	14	326	60.1	25.8	0.29	7.27	0.06	7.21	0.37	100	35.0	62.9	2.1
JAL10	14	364	60.3	25.8	0.24	7.19	0.02	7.34	0.40	100	34.3	63.4	2.3
JAL10	14	402	60.1	25.8	0.25	7.25	0.08	7.33	0.40	100	34.5	63.2	2.3
JAL10	14	421	60.4	25.9	0.26	7.11	0.07	7.28	0.39	100	34.3	63.5	2.2
JAL10	14	440	60.4	25.9	0.25	7.11	0.00	7.33	0.46	100	34.0	63.4	2.6
JAL10	14	459	59.9	25.6	0.32	6.95	0.06	7.32	0.40	101	33.6	64.1	2.3
JAL10	15	0	64.2	23.3	0.26	4.82	0.06	8.08	0.52	100	24.0	72.9	3.1

JAL10	15	14	59.0	26.4	0.35	7.95	0.00	6.82	0.34	101	38.4	59.6	2.0
JAL10	15	28	59.1	26.6	0.30	7.91	0.05	6.25	0.36	100	40.2	57.6	2.2
JAL10	15	41	59.2	26.1	0.24	7.93	0.01	6.95	0.35	101	37.9	60.1	2.0
JAL10	15	56	59.2	26.7	0.28	8.05	0.06	6.79	0.39	101	38.7	59.0	2.2
JAL10	15	70	60.2	25.5	0.25	6.96	0.02	7.44	0.43	101	33.2	64.3	2.4
JAL10	15	97	61.8	24.8	0.32	6.05	0.09	7.64	0.52	100	29.5	67.4	3.0
JAL10	15	111	61.1	25.2	0.27	6.46	0.03	7.44	0.44	101	31.6	65.9	2.6
JAL10	15	124	60.1	25.4	0.27	7.04	0.06	7.33	0.40	100	33.9	63.8	2.3
JAL10	15	138	60.1	25.5	0.27	6.96	0.07	7.40	0.42	101	33.4	64.2	2.4
JAL10	15	152	59.8	25.5	0.28	7.04	0.07	7.30	0.38	100	34.0	63.8	2.2
JAL10	15	166	60.2	25.5	0.25	6.85	0.05	7.31	0.45	101	33.2	64.1	2.6
JAL10	15	180	58.8	26.2	0.29	7.83	0.01	6.96	0.39	100	37.5	60.3	2.2
JAL10	15	193	60.4	24.9	0.36	6.29	0.04	7.23	0.47	100	31.6	65.7	2.8
JAL10	16	0	57.1	27.7	0.32	9.41	0.06	6.10	0.26	101	45.4	53.2	1.5
JAL10	16	19	57.1	28.2	0.31	9.46	0.02	6.01	0.27	100	45.8	52.7	1.5
JAL10	16	38	57.0	27.8	0.36	9.29	0.01	5.97	0.28	101	45.5	52.9	1.6
JAL10	16	57	57.2	27.7	0.33	9.46	0.08	6.13	0.27	100	45.3	53.1	1.5
JAL10	16	76	57.1	28.0	0.32	9.41	0.01	6.08	0.27	100	45.4	53.1	1.5
JAL10	16	95	57.5	27.3	0.35	9.36	0.02	6.10	0.26	101	45.2	53.3	1.5
JAL10	16	114	56.7	27.7	0.31	9.68	0.01	6.02	0.26	101	46.4	52.2	1.5
JAL10	16	134	57.3	27.8	0.36	9.34	0.00	6.15	0.28	100	44.9	53.5	1.6
JAL10	16	153	57.2	27.3	0.37	9.32	0.00	6.23	0.27	101	44.6	53.9	1.5
JAL10	16	172	57.1	27.7	0.42	9.36	0.04	5.95	0.26	101	45.8	52.7	1.5
JAL10	16	191	57.4	27.4	0.29	9.36	0.07	6.30	0.30	100	44.3	54.0	1.7
JAL10	16	210	57.5	27.0	0.37	8.74	0.01	6.38	0.32	100	42.3	55.9	1.8
JAL10	16	229	57.6	27.3	0.33	8.87	0.11	6.33	0.30	101	42.9	55.4	1.7
JAL10	16	268	58.5	26.6	0.33	8.23	0.03	6.67	0.33	101	39.8	58.3	1.9
JAL10	16	287	58.8	26.5	0.28	7.92	0.02	6.83	0.38	101	38.2	59.6	2.2
JAL10	16	306	58.3	26.5	0.31	8.38	0.02	6.60	0.36	101	40.4	57.6	2.1
JAL10	16	325	58.6	26.8	0.33	8.51	0.02	6.66	0.31	100	40.7	57.6	1.8
JAL10	16	344	58.8	27.0	0.31	8.46	0.03	6.61	0.32	100	40.7	57.5	1.8
JAL10	16	364	58.6	26.7	0.30	8.25	0.08	6.58	0.29	101	40.2	58.1	1.7
JAL10	17	0	66.8	21.9	0.78	3.62	0.04	5.48	1.47	101	23.7	64.9	11.5
JAL10	17	19	60.3	25.6	0.28	7.28	0.04	7.25	0.43	100	34.8	62.8	2.4
JAL10	17	39	60.0	25.9	0.33	7.43	0.03	7.17	0.41	100	35.6	62.1	2.3
JAL10	17	59	59.5	26.2	0.33	7.53	0.05	7.04	0.38	100	36.3	61.5	2.2
JAL10	17	80	60.4	25.8	0.27	7.06	0.02	7.32	0.43	100	33.9	63.6	2.4
JAL10	17	100	59.1	26.1	0.27	7.85	0.03	6.98	0.34	101	37.6	60.5	1.9
JAL10	17	120	59.4	26.2	0.29	7.49	0.03	7.01	0.37	101	36.3	61.5	2.1
JAL10	17	140	58.7	26.8	0.27	8.39	0.03	6.56	0.31	100	40.7	57.6	1.8
JAL10	17	160	56.6	27.8	0.27	8.98	0.08	6.25	0.28	100	43.6	54.8	1.6
JAL10	17	180	60.2	25.7	0.26	6.91	0.01	7.28	0.42	101	33.6	64.0	2.5
JAL10	17	199	60.6	25.8	0.25	6.99	0.00	7.32	0.47	100	33.6	63.7	2.7
JAL10	17	220	59.7	26.2	0.24	7.60	0.03	7.08	0.39	100	36.4	61.4	2.2
JAL10	17	240	58.3	27.1	0.21	8.39	0.04	6.69	0.34	101	40.2	57.9	1.9
JAL10	17	260	57.2	27.7	0.22	9.47	0.00	6.09	0.30	101	45.4	52.9	1.7
JAL10	17	300	57.0	28.1	0.25	9.53	0.02	6.00	0.28	100	46.0	52.4	1.6
JAL10	17	320	57.2	27.7	0.24	9.23	0.01	6.22	0.31	101	44.3	54.0	1.8
JAL10	17	340	57.2	27.7	0.20	9.22	0.02	6.07	0.30	101	44.8	53.5	1.7
JAL10	17	360	57.3	27.8	0.25	9.30	0.02	6.23	0.28	100	44.5	53.9	1.6
JAL10	17	381	58.1	27.1	0.29	8.41	0.04	6.59	0.29	101	40.7	57.7	1.6
JAL10	17	400	58.3	26.7	0.29	8.43	0.02	6.74	0.35	101	40.0	58.0	2.0
JAL10	17	420	59.4	26.5	0.22	8.02	0.05	7.03	0.36	101	37.9	60.1	2.0
JAL10	17	440	57.3	27.3	0.29	9.16	0.08	6.33	0.28	101	43.7	54.7	1.6
JAL10	17	460	59.4	26.1	0.23	7.66	0.05	7.05	0.42	101	36.6	61.0	2.4
JAL10	17	480	59.9	25.9	0.26	7.44	0.03	6.97	0.41	101	36.2	61.4	2.4
JAL10	17	561	60.2	25.5	0.30	7.20	0.04	7.32	0.43	100	34.4	63.2	2.4
JAL10	17	581	59.4	26.2	0.28	7.65	0.01	6.91	0.38	101	37.1	60.7	2.2
JAL10	18	0	58.7	26.3	0.30	7.78	0.03	6.83	0.36	100	23.7	64.9	11.5
JAL10	18	18	59.2	26.6	0.28	7.91	0.05	6.90	0.30	100	34.8	62.8	2.4
JAL10	18	37	60.2	25.5	0.28	6.89	0.05	7.32	0.43	101	35.6	62.1	2.3
JAL10	18	56	60.4	25.5	0.27	6.83	0.08	7.48	0.44	100	36.3	61.5	2.2
JAL10	18	93	60.2	25.8	0.26	6.96	0.07	7.32	0.45	101	33.9	63.6	2.4
JAL10	18	112	58.8	26.2	0.26	7.96	0.02	6.90	0.35	100	37.6	60.5	1.9

JAL10	18	130	58.9	26.4	0.27	7.99	0.01	6.81	0.35	101	36.3	61.5	2.1
JAL10	18	149	59.3	26.0	0.27	7.60	0.02	6.99	0.38	101	40.7	57.6	1.8
JAL10	18	168	59.5	26.3	0.22	7.56	0.08	7.03	0.38	100	43.6	54.8	1.6
JAL10	18	187	58.6	26.6	0.22	8.23	0.05	6.80	0.33	101	33.6	64.0	2.5
JAL10	18	205	58.1	27.1	0.25	8.63	0.02	6.48	0.32	101	33.6	63.7	2.7
JAL10	18	224	57.9	27.4	0.28	8.88	0.04	6.35	0.31	100	36.4	61.4	2.2
JAL10	18	242	60.2	25.7	0.24	7.03	0.03	7.28	0.46	100	40.2	57.9	1.9
JAL10	18	261	59.4	25.9	0.28	7.56	0.06	7.04	0.36	101	45.4	52.9	1.7
JAL10	18	280	61.1	24.9	0.27	6.37	0.03	7.67	0.48	101	46.0	52.4	1.6
JAL10	18	317	59.6	26.1	0.30	7.50	0.01	6.93	0.36	101	44.3	54.0	1.8
JAL10	18	336	59.3	26.5	0.28	7.78	0.03	6.91	0.34	100	44.8	53.5	1.7
JAL10	19	0	66.8	20.8	0.40	4.64	0.08	6.33	1.00	100	26.8	66.3	6.9
JAL10	19	20	59.1	26.4	0.38	7.90	0.05	6.72	0.35	101	38.6	59.4	2.0
JAL10	19	42	60.0	25.9	0.30	7.23	0.04	7.18	0.40	101	34.9	62.8	2.3
JAL10	19	63	59.8	25.9	0.27	7.31	0.03	7.17	0.37	101	35.3	62.6	2.1
JAL10	19	126	60.3	25.6	0.26	6.99	0.08	7.18	0.42	101	34.1	63.4	2.4
JAL10	19	147	60.2	25.8	0.26	7.08	0.08	7.21	0.42	100	34.3	63.3	2.4
JAL10	19	169	60.3	25.7	0.26	6.85	0.05	7.37	0.38	101	33.2	64.6	2.2
JAL10	19	189	59.1	26.6	0.31	8.20	0.03	6.72	0.40	100	39.4	58.4	2.3
JAL10	19	210	58.3	26.4	0.30	8.15	0.05	6.78	0.37	100	39.1	58.8	2.1
JAL10	19	232	59.6	26.2	0.27	7.63	0.07	6.99	0.37	100	36.8	61.0	2.1
JAL10	19	253	59.2	26.2	0.28	7.56	0.05	7.02	0.36	101	36.5	61.4	2.0
JAL10	19	273	61.3	25.0	0.28	6.44	0.06	7.62	0.43	100	31.1	66.5	2.5
JAL10	19	295	59.8	25.8	0.27	7.07	0.04	7.20	0.43	101	34.3	63.2	2.5
JAL10	19	316	60.7	25.3	0.26	6.80	0.02	7.40	0.44	100	32.8	64.7	2.5
JAL10	19	337	61.0	24.8	0.25	6.39	0.04	7.61	0.45	101	30.9	66.5	2.6
JAL10	19	358	61.2	25.2	0.24	6.26	0.07	7.66	0.48	100	30.2	67.0	2.8
JAL10	19	379	60.1	25.5	0.28	7.23	0.00	7.04	0.49	101	35.2	62.0	2.9
JAL10	19	400	61.3	24.9	0.25	6.39	0.05	7.62	0.47	100	30.8	66.5	2.7
JAL10	19	422	61.1	25.1	0.27	6.51	0.03	7.34	0.45	101	32.0	65.3	2.7
JAL10	19	442	60.4	25.2	0.21	6.61	0.07	7.47	0.44	100	32.0	65.4	2.5
JAL10	19	463	59.9	25.8	0.25	7.09	0.01	7.26	0.41	101	34.3	63.4	2.4
JAL10	19	506	59.6	26.2	0.28	7.64	0.08	7.07	0.34	100	36.7	61.4	2.0
JAL10	19	527	59.8	26.3	0.28	7.33	0.02	7.13	0.39	100	35.4	62.4	2.2
JAL10	19	569	59.1	26.6	0.25	7.96	0.03	6.83	0.35	100	38.4	59.6	2.0
JAL10	19	590	59.0	26.4	0.28	7.75	0.07	6.88	0.36	101	37.6	60.4	2.1
JAL10	20	0	59.3	26.1	0.42	7.88	0.18	6.61	0.41	101	38.8	58.8	2.4
JAL10	20	15	59.2	26.2	0.30	7.93	0.03	6.86	0.32	101	38.3	59.9	1.8
JAL10	20	31	59.1	26.0	0.19	7.93	0.09	6.49	0.46	100	39.2	58.1	2.7
JAL10	20	46	58.6	25.8	0.24	8.05	0.14	6.69	0.28	100	39.3	59.1	1.6
JAL10	20	61	61.8	24.7	0.30	6.40	0.03	7.29	0.47	101	31.8	65.5	2.8
JAL10	20	76	58.7	26.1	0.26	7.96	0.02	6.73	0.29	100	38.9	59.4	1.7
JAL10	20	91	59.6	25.8	0.25	7.90	0.00	6.65	0.35	101	38.8	59.2	2.0
JAL10	20	107	58.2	25.9	0.33	7.96	0.02	6.54	0.33	99	39.4	58.6	2.0
JAL10	20	122	60.4	25.6	0.39	7.67	0.10	6.47	0.32	101	38.8	59.2	1.9
JAL10	20	137	60.8	24.7	0.31	7.23	0.13	6.87	0.40	100	35.9	61.7	2.3
JAL10	20	152	58.6	25.6	0.20	7.82	0.02	6.68	0.31	99	38.6	59.6	1.8
JAL10	20	168	59.2	26.3	0.26	8.18	0.05	6.62	0.35	101	39.8	58.2	2.0
JAL10	20	183	58.7	26.6	0.28	8.44	0.07	6.46	0.28	101	41.2	57.1	1.6
JAL10	20	228	57.9	26.1	0.21	8.39	0.10	6.58	0.27	100	40.7	57.8	1.6
JAL10	20	244	59.7	26.3	0.24	7.34	0.02	6.88	0.35	101	36.3	61.6	2.0
JAL10	20	259	60.4	25.2	0.29	6.31	0.12	7.56	0.57	101	30.5	66.2	3.3
JAL10	21	0	59.2	26.0	0.30	7.77	0.02	6.56	0.44	100	38.6	58.8	2.6
JAL10	21	20	59.3	26.0	0.26	8.71	0.04	6.73	0.28	101	41.1	57.4	1.6
JAL10	21	60	52.3	29.9	0.56	13.42	0.10	3.91	0.11	100	65.1	34.3	0.6
JAL10	21	100	52.1	30.4	0.51	13.69	0.00	3.79	0.16	101	66.0	33.1	0.9
JAL10	21	120	51.9	31.0	0.52	13.40	0.10	3.83	0.07	101	65.6	33.9	0.4
JAL10	21	140	51.1	31.0	0.37	13.51	0.09	3.65	0.07	100	66.9	32.7	0.4
JAL10	21	160	49.9	32.0	0.44	15.26	0.05	2.99	0.10	101	73.5	26.0	0.5
JAL10	21	180	50.7	32.0	0.45	14.11	0.02	2.94	0.01	100	72.6	27.4	0.1
JAL10	21	200	50.4	31.4	0.35	14.06	0.06	3.21	0.04	99	70.6	29.2	0.2
JAL10	21	240	50.2	31.8	0.53	14.31	0.07	3.21	0.10	100	70.7	28.7	0.6
JAL10	21	280	52.9	30.4	0.48	12.45	0.08	4.00	0.06	100	63.0	36.6	0.4
JAL10	21	300	52.4	30.2	0.42	13.08	0.01	4.03	0.07	100	63.9	35.6	0.4

JAL10	21	360	53.0	30.4	0.36	13.16	0.06	4.07	0.09	101	63.8	35.7	0.5
JAL10	21	380	53.4	29.9	0.28	12.91	0.07	4.16	0.12	101	62.7	36.5	0.7
JAL10	21	400	53.6	29.5	0.47	12.26	0.03	4.03	0.10	100	62.3	37.1	0.6
JAL10	21	420	54.8	29.2	0.53	11.39	0.04	4.58	0.16	101	57.3	41.7	1.0
JAL10	21	440	54.6	29.0	0.42	11.52	0.11	4.92	0.16	101	55.9	43.2	0.9
JAL10	21	460	55.4	28.4	0.35	11.07	0.03	5.04	0.19	100	54.2	44.7	1.1
JAL10	21	480	55.2	28.5	0.38	11.51	0.02	4.99	0.22	101	55.3	43.4	1.3
JAL10	21	620	60.4	25.5	0.30	7.60	0.00	6.82	0.37	101	37.3	60.6	2.2
JAL10	21	640	59.1	25.7	0.23	7.39	0.08	7.07	0.36	100	35.9	62.1	2.1
JAL10	21	660	59.9	25.7	0.27	7.46	0.10	6.99	0.43	101	36.2	61.3	2.5
JAL10	22	0	59.6	26.2	0.18	7.95	0.10	6.46	0.32	101	39.7	58.4	1.9
JAL10	22	61	59.9	25.8	0.40	7.77	0.05	6.50	0.38	101	38.9	58.9	2.3
JAL10	22	101	59.4	26.0	0.24	8.29	0.07	6.47	0.41	101	40.5	57.1	2.4
JAL10	22	122	59.3	26.5	0.29	7.92	0.08	6.58	0.36	100	39.1	58.8	2.1
JAL10	22	142	59.1	26.6	0.29	8.44	0.14	6.31	0.40	100	41.5	56.1	2.3
JAL10	22	162	59.0	26.1	0.35	8.23	0.00	6.51	0.22	100	40.6	58.1	1.3
JAL10	22	264	59.9	26.1	0.22	7.52	0.06	6.66	0.29	101	37.8	60.5	1.7
JAL10	23	0	58.8	26.7	0.38	8.52	0.02	6.59	0.34	100	40.9	57.2	1.9
JAL10	23	20	58.8	26.0	0.22	8.27	0.09	6.52	0.24	100	40.6	57.9	1.4
JAL10	23	40	59.0	26.2	0.26	8.44	0.10	6.67	0.35	100	40.3	57.7	2.0
JAL10	23	60	60.8	25.5	0.32	7.27	0.10	7.07	0.31	100	35.6	62.6	1.8
JAL10	23	81	60.1	24.8	0.30	6.96	0.15	7.19	0.44	100	34.0	63.5	2.5
JAL10	23	163	59.8	25.6	0.31	7.96	0.01	6.45	0.39	101	39.6	58.1	2.3
JAL10	23	183	59.5	25.7	0.28	7.83	0.13	6.83	0.40	101	37.9	59.8	2.3
JAL10	23	204	61.7	25.1	0.29	6.21	0.17	7.49	0.43	100	30.6	66.9	2.5
JAL10	23	224	62.0	24.4	0.25	6.05	0.05	7.51	0.44	101	30.0	67.4	2.6
JAL10	23	265	60.5	25.3	0.29	7.72	0.21	6.90	0.40	100	37.3	60.4	2.3
JAL10	23	285	60.3	26.2	0.29	7.46	0.15	6.62	0.32	100	37.6	60.4	1.9
JAL10	23	305	60.5	25.8	0.30	7.62	0.01	6.92	0.38	100	37.0	60.8	2.2
JAL10	23	326	60.7	26.3	0.41	7.34	0.02	6.81	0.37	101	36.5	61.3	2.2
JAL10	24	0	62.3	24.6	0.43	5.95	0.12	7.54	0.56	101	29.4	67.4	3.3
JAL10	24	11	59.6	26.3	0.22	8.32	0.06	6.77	0.27	101	39.8	58.6	1.5
JAL10	24	23	61.3	24.9	0.37	6.86	0.09	7.26	0.43	100	33.5	64.1	2.5
JAL10	24	35	61.1	25.6	0.26	6.79	0.03	7.17	0.47	100	33.4	63.8	2.8
JAL10	24	59	61.0	25.2	0.21	7.12	0.05	7.00	0.38	101	35.2	62.6	2.2
JAL10	24	71	60.8	25.4	0.38	7.11	0.02	6.99	0.45	100	35.0	62.3	2.7
JAL10	24	83	60.9	25.6	0.24	7.12	0.09	7.11	0.42	101	34.8	62.8	2.4
JAL10	24	95	61.0	24.6	0.32	7.16	0.26	7.15	0.40	100	34.8	62.9	2.3
JAL10	24	107	60.5	25.0	0.22	6.78	0.17	7.04	0.44	100	33.8	63.6	2.6
JAL10	25	40	59.8	25.8	0.30	7.84	0.08	6.81	0.35	101	38.1	59.9	2.0
JAL10	25	59	58.7	26.8	0.33	8.23	0.05	6.48	0.23	101	40.7	58.0	1.3
JAL10	25	79	58.4	26.6	0.41	8.65	0.03	6.53	0.37	101	41.4	56.5	2.1
JAL10	25	99	58.0	26.1	0.30	8.96	0.09	6.33	0.32	100	43.1	55.1	1.8
JAL10	25	159	58.9	26.1	0.18	8.11	0.02	6.60	0.33	100	39.7	58.4	1.9
JAL10	25	198	58.6	26.6	0.47	8.94	0.04	6.07	0.35	101	43.9	54.0	2.0
JAL10	25	238	77.9	13.0	0.71	0.48	0.24	2.81	4.04	100	4.6	49.0	46.3
JAL10	25	357	53.2	29.0	0.26	10.65	0.13	6.20	0.14	100	48.4	50.9	0.7
JAL10	25	397	59.2	26.5	0.33	8.24	0.04	6.44	0.31	100	40.7	57.5	1.8
JAL10	25	416	59.5	26.1	0.21	8.15	0.12	6.81	0.42	100	38.9	58.7	2.4
JAL10	25	436	58.1	25.8	0.21	8.22	0.01	6.47	0.24	99	40.6	58.0	1.4
JAL10	25	517	59.3	25.8	0.30	8.24	0.04	6.69	0.35	101	39.7	58.3	2.0
JAL10	26	21	61.0	24.7	0.27	7.16	0.19	7.11	0.36	101	35.0	62.9	2.1
JAL10	26	62	60.8	25.2	0.27	7.26	0.05	7.12	0.30	100	35.4	62.8	1.7
JAL10	26	82	60.4	25.3	0.24	6.59	0.03	7.11	0.40	100	33.1	64.5	2.4
JAL10	26	103	62.3	24.2	0.23	5.95	0.22	7.61	0.59	100	29.1	67.5	3.4
JAL10	26	144	61.8	24.6	0.31	6.62	0.04	7.36	0.48	100	32.3	65.0	2.8
JAL10	26	185	61.1	24.3	0.23	6.33	0.05	7.37	0.36	100	31.5	66.4	2.2
JAL10	26	226	58.9	26.0	0.45	7.78	0.07	6.66	0.28	100	38.6	59.8	1.6
JAL10	26	267	61.8	24.6	0.28	5.93	0.29	7.37	0.53	101	29.8	67.0	3.2
JAL10	26	287	59.8	24.9	0.20	6.65	0.13	7.09	0.48	99	33.2	64.0	2.8
JAL10	26	308	60.7	25.1	0.21	7.06	0.23	7.13	0.43	101	34.5	63.0	2.5
JAL10	27	31	58.8	26.1	0.22	8.30	0.07	6.59	0.31	100	40.3	57.9	1.8
JAL10	27	46	59.5	26.6	0.27	8.01	0.02	6.69	0.32	100	39.0	59.1	1.9
JAL10	27	61	60.0	25.8	0.20	7.86	0.12	6.79	0.34	100	38.3	59.8	2.0

JAL10	27	91	59.6	26.4	0.34	7.66	0.20	6.71	0.34	101	37.9	60.1	2.0
JAL10	27	121	58.3	25.7	0.24	8.36	0.07	6.43	0.24	99	41.2	57.4	1.4
JAL10	27	136	59.6	26.4	0.32	8.25	0.10	6.56	0.31	101	40.3	57.9	1.8
JAL10	27	166	58.6	26.4	0.26	8.43	0.01	6.47	0.41	101	40.9	56.8	2.3
JAL10	27	241	59.4	25.7	0.26	8.01	0.00	6.11	0.37	100	41.1	56.7	2.2
JAL10	27	256	59.9	26.8	0.22	7.97	0.20	6.59	0.32	102	39.3	58.8	1.9
JAL10	27	271	58.3	25.6	0.20	8.04	0.08	6.93	0.25	99	38.5	60.0	1.4
JAL10	27	301	58.7	26.1	0.31	7.91	0.16	6.80	0.28	100	38.5	59.9	1.6
JAL10	27	316	59.3	26.4	0.24	8.01	0.06	6.68	0.35	101	39.0	58.9	2.0
JAL10	27	331	59.6	26.2	0.32	7.83	0.05	6.66	0.31	101	38.7	59.5	1.8
JAL10	27	360	59.0	26.3	0.26	8.07	0.01	6.76	0.29	101	39.1	59.2	1.7
JAL10	28	0	59.2	26.3	0.30	8.41	0.08	6.53	0.37	100	40.7	57.2	2.2
JAL10	28	21	58.8	26.8	0.28	8.52	0.14	6.38	0.33	100	41.6	56.4	1.9
JAL10	28	41	59.6	26.1	0.37	8.68	0.02	6.36	0.23	100	42.5	56.2	1.3
JAL10	28	62	58.1	25.7	0.34	8.87	0.06	6.35	0.27	100	42.9	55.5	1.6
JAL10	28	82	58.6	26.5	0.25	8.37	0.06	6.29	0.32	100	41.6	56.5	1.9
JAL10	28	103	58.7	26.8	0.39	8.60	0.05	6.34	0.37	100	41.9	55.9	2.2
JAL10	28	123	59.2	26.1	0.33	8.45	0.12	6.33	0.32	101	41.7	56.5	1.9
JAL10	28	144	59.3	26.2	0.29	8.50	0.13	6.44	0.33	100	41.3	56.7	1.9
JAL10	28	164	58.8	26.5	0.19	8.31	0.07	6.52	0.35	101	40.5	57.5	2.0
JAL10	28	205	59.4	26.2	0.31	8.39	0.09	6.50	0.26	100	41.0	57.5	1.5
JAL10	28	225	58.0	26.4	0.26	8.64	0.01	6.50	0.21	100	41.9	56.9	1.2
JAL10	28	287	58.7	26.6	0.36	8.58	0.22	6.53	0.28	100	41.4	57.0	1.6
JAL10	28	307	58.3	26.7	0.31	8.47	0.06	6.39	0.24	101	41.7	56.9	1.4
JAL10	28	327	59.8	25.8	0.32	7.26	0.02	6.77	0.33	100	36.5	61.5	2.0
JAL10	29	0	60.0	24.9	0.25	7.34	0.05	7.07	0.36	100	35.7	62.2	2.1
JAL10	29	81	60.6	25.5	0.20	7.16	0.02	6.98	0.38	101	35.4	62.4	2.2
JAL10	29	97	59.4	25.6	0.25	7.99	0.14	6.84	0.61	101	37.9	58.7	3.5
JAL10	29	113	60.4	25.1	0.30	7.11	0.01	7.04	0.41	100	35.0	62.6	2.4
JAL10	29	129	60.5	25.1	0.18	7.14	0.07	7.06	0.40	100	35.0	62.6	2.3
JAL10	29	145	61.0	25.5	0.33	7.25	0.04	7.01	0.31	101	35.7	62.5	1.8
JAL10	29	161	60.2	25.5	0.26	7.49	0.31	6.91	0.35	100	36.7	61.2	2.0
JAL10	29	177	59.3	25.2	0.22	7.41	0.03	6.89	0.30	99	36.6	61.6	1.8
JAL10	29	193	60.0	25.3	0.31	7.43	0.01	6.95	0.46	100	36.2	61.2	2.7
JAL10	29	210	60.5	25.3	0.37	7.29	0.00	6.93	0.44	101	35.8	61.6	2.6
JAL10	29	226	60.5	24.9	0.22	7.08	0.08	6.92	0.40	100	35.3	62.4	2.4
JAL10	29	242	60.7	24.8	0.31	7.50	0.07	6.92	0.41	101	36.6	61.1	2.4
JAL10	29	258	61.6	24.8	0.25	7.15	0.12	7.02	0.28	100	35.4	62.9	1.6
JAL10	29	275	59.9	24.8	0.25	7.09	0.31	7.19	0.38	100	34.5	63.3	2.2
JAL10	29	291	60.5	25.2	0.24	7.35	0.16	6.95	0.33	101	36.2	61.9	1.9
JAL10	29	306	60.2	24.9	0.28	7.32	0.15	6.99	0.32	100	36.0	62.1	1.9
JAL10	29	322	61.1	24.9	0.20	7.14	0.05	7.28	0.32	100	34.5	63.6	1.9
JAL10	29	339	59.5	25.8	0.33	7.76	0.01	6.77	0.36	101	38.0	59.9	2.1
JAL10	29	355	60.0	26.0	0.32	8.15	0.16	6.90	0.35	101	38.7	59.3	2.0
JAL10	29	371	59.1	25.9	0.28	7.92	0.06	6.64	0.37	100	38.9	59.0	2.2
JAL10	29	387	60.1	26.0	0.30	7.43	0.06	7.01	0.43	100	36.0	61.5	2.5
JAL10	29	403	60.3	25.1	0.32	7.36	0.22	7.19	0.44	100	35.2	62.3	2.5
JAL10	30	0	59.2	26.2	0.33	8.35	0.13	6.70	0.30	100	40.1	58.2	1.7
JAL10	30	15	59.8	25.6	0.27	8.08	0.10	6.82	0.36	101	38.7	59.2	2.1
JAL10	30	30	59.5	26.1	0.32	8.58	0.11	6.60	0.33	101	41.0	57.1	1.9
JAL10	30	45	59.4	25.9	0.29	8.02	0.03	6.76	0.24	101	39.1	59.6	1.4
JAL10	30	60	59.3	26.2	0.32	8.13	0.06	6.68	0.33	100	39.4	58.7	1.9
JAL10	30	74	59.4	26.1	0.32	7.98	0.07	6.42	0.36	101	39.8	58.0	2.2
JAL10	30	89	59.6	25.9	0.23	8.11	0.04	6.45	0.33	101	40.2	57.9	1.9
JAL10	30	105	58.8	26.0	0.24	8.16	0.04	6.46	0.31	100	40.3	57.8	1.8
JAL10	30	149	58.7	26.1	0.17	8.42	0.22	6.60	0.50	101	40.2	57.0	2.9
JAL10	30	164	59.1	26.0	0.22	8.20	0.12	6.69	0.36	101	39.5	58.4	2.1
JAL10	30	194	59.3	25.8	0.31	7.80	0.02	6.50	0.23	100	39.3	59.3	1.4
JAL10	30	208	59.5	26.1	0.18	8.38	0.02	6.41	0.26	101	41.3	57.2	1.5
JAL10	30	223	59.1	26.2	0.28	8.07	0.10	6.54	0.40	101	39.6	58.1	2.3
JAL10	30	253	58.8	26.0	0.41	8.25	0.01	6.36	0.24	100	41.1	57.4	1.4
JAL10	30	267	58.8	26.3	0.24	8.35	0.11	6.12	0.32	100	42.2	55.9	1.9
JAL10	30	282	58.6	25.8	0.24	8.49	0.06	6.57	0.32	100	40.9	57.3	1.8
JAL10	30	328	59.0	25.9	0.31	7.74	0.16	6.45	0.34	100	39.1	58.9	2.0

JAL10	30	342	59.2	26.4	0.24	8.31	0.23	6.33	0.28	101	41.3	57.0	1.7
JAL10	30	357	59.2	25.8	0.36	8.13	0.08	6.38	0.28	100	40.6	57.7	1.7
JAL10	30	372	59.7	25.7	0.22	7.96	0.16	6.71	0.30	101	38.9	59.3	1.7
JAL10	30	387	59.4	26.3	0.32	8.03	0.07	6.58	0.26	101	39.7	58.8	1.5
JAL10	30	401	59.1	26.1	0.36	8.33	0.01	6.43	0.40	101	40.8	56.9	2.3
JAL10	30	431	59.3	25.8	0.42	8.13	0.10	6.61	0.32	101	39.7	58.4	1.9
JAL10	30	460	59.0	26.1	0.27	8.44	0.10	6.53	0.28	101	41.0	57.4	1.6
JAL10	m1		61.4	23.3	0.34	5.38	0.14	7.75	0.70	99	26.6	69.3	4.1
JAL10	m2		63.0	22.9	0.43	4.51	0.25	7.96	0.69	100	22.9	73.0	4.2
JAL10	m3		62.3	23.8	0.43	5.25	0.16	7.73	0.74	100	26.1	69.6	4.4
JAL10	m4		62.2	23.7	0.28	5.68	0.28	7.79	0.49	100	27.9	69.2	2.9
JAL10	m5		61.3	24.6	0.35	5.93	0.43	7.49	0.48	101	29.6	67.6	2.8
JAL10	m6		63.4	23.3	0.24	4.88	0.24	7.66	0.66	100	25.0	71.0	4.0
JAL10	m7		63.3	23.2	0.31	4.96	0.20	7.87	0.64	101	24.8	71.3	3.8
JAL10	m8		63.9	22.4	0.32	4.36	0.19	8.08	0.79	100	21.9	73.4	4.7
JAL10	m9		61.8	23.9	0.40	5.61	0.01	8.09	0.66	101	26.7	69.6	3.7
JAL10	m10		61.5	24.1	0.47	6.27	0.10	7.37	0.52	100	31.0	65.9	3.0
JAL10	m11		63.3	22.5	0.24	4.38	0.08	7.60	0.89	99	22.8	71.7	5.5
JAL10	m12		63.1	22.9	0.20	4.91	0.25	7.89	0.68	100	24.6	71.4	4.1
JAL10	m13		64.2	22.8	0.32	4.79	0.22	7.76	0.72	101	24.3	71.3	4.3
JAL10	m14		66.7	20.8	0.35	3.22	0.24	7.38	1.33	100	17.7	73.5	8.7
JAL10	m15		61.8	23.5	0.32	5.51	0.06	7.48	0.47	99	28.1	69.0	2.9
JAL10	m16		62.6	23.4	0.41	4.28	0.24	8.09	0.62	100	21.8	74.5	3.8
JAL10	m17		59.6	25.8	0.41	7.86	0.09	6.88	0.25	101	38.1	60.5	1.4
JAL10	m18		64.2	22.5	0.32	4.10	0.24	8.29	0.80	101	20.4	74.8	4.7
JAL10	m19		61.9	24.0	0.25	5.49	0.26	7.53	0.66	100	27.6	68.5	3.9
JAL10	m20		58.9	25.7	0.49	7.96	0.06	6.62	0.37	100	39.1	58.8	2.2
JAL10	m21		63.4	22.4	0.26	4.46	0.10	7.64	0.64	99	23.4	72.6	4.0
JAL10	m22		61.9	23.6	0.22	5.54	0.15	7.80	0.60	100	27.2	69.3	3.5
JAL10	m23		61.6	23.9	0.33	5.59	0.16	7.41	0.50	100	28.5	68.4	3.0
JAL10	m24		63.9	22.7	0.22	4.52	0.26	7.77	0.88	100	23.0	71.6	5.3
JAL10	m25		63.1	23.6	0.33	5.08	0.19	7.68	0.45	100	26.0	71.2	2.8
JAL10	m26		61.6	23.6	0.44	5.32	0.09	7.71	0.59	99	26.6	69.9	3.5
JAL10	m27		63.2	23.4	0.26	4.33	0.21	7.97	0.85	100	21.9	72.9	5.1
JAL10	m28		60.4	24.3	0.33	6.09	0.15	7.47	0.63	99	29.9	66.4	3.7
JAL10	m29		56.1	27.3	0.50	10.04	0.01	5.55	0.20	100	49.4	49.4	1.1
JAL10	m30		62.3	24.4	0.45	5.68	0.06	7.69	0.60	100	28.0	68.5	3.5
JAL10	m31		62.9	23.2	0.47	5.03	0.13	7.92	0.58	100	25.1	71.5	3.4
JAL10	m32		63.0	24.0	0.20	4.66	0.35	8.13	0.81	101	22.9	72.4	4.7
JAL10	m33		63.5	23.3	0.10	4.45	0.37	8.30	0.73	101	21.9	73.9	4.2
JAL10	m34		62.3	22.9	0.62	5.69	0.30	7.18	0.58	100	29.4	67.0	3.6
JAL10	m35		63.1	22.8	0.28	4.56	0.03	7.96	0.78	99	22.9	72.4	4.7
JAL10	m36		61.8	23.5	0.31	5.30	0.27	8.06	0.63	100	25.7	70.7	3.6
JAL10	m37		49.2	32.4	0.32	16.19	0.02	2.64	0.13	101	76.7	22.6	0.8
JAL10	m38		64.5	21.7	0.39	4.24	0.19	7.61	0.86	100	22.3	72.4	5.4
JAL10	m39		63.0	21.9	0.50	4.70	0.31	7.07	1.07	99	25.1	68.2	6.8
JAL10	m40		63.7	22.9	0.21	4.42	0.13	8.43	0.86	101	21.3	73.7	5.0
JAL10	m41		62.4	23.1	0.24	5.04	0.21	8.00	0.75	100	24.7	70.9	4.4
JAL10	m42		65.6	20.5	0.49	3.59	0.24	7.35	1.22	99	19.6	72.5	7.9
JAL10	m43		61.3	23.3	0.35	5.36	0.12	7.45	0.72	99	27.2	68.4	4.4
JAL10	m44		61.9	23.8	0.32	4.97	0.06	7.96	0.74	100	24.5	71.1	4.4
JAL10	m45		61.3	23.4	0.48	5.24	0.15	7.49	0.72	99	26.7	69.0	4.3
JAL10	m46		62.4	24.0	0.30	5.20	0.17	7.32	0.76	100	26.9	68.5	4.6
JAL10	m47		61.6	24.0	0.32	5.52	0.15	7.91	0.57	100	26.9	69.8	3.3
JAL10	m48		60.4	24.5	0.43	6.25	0.29	7.37	0.55	100	30.9	65.9	3.2
JAL10	m49		65.0	21.9	0.39	3.56	0.17	7.82	0.95	100	18.9	75.1	6.0
JAL10	m50		63.7	22.6	0.35	4.99	0.11	7.52	0.89	100	25.4	69.3	5.4
JAL10	m51		63.7	22.5	0.27	4.39	0.42	8.35	0.69	100	21.6	74.4	4.0
JAL10	m52		63.0	22.9	0.35	4.49	0.26	8.03	0.75	100	22.5	73.0	4.5
JAL10	m53		63.5	22.2	0.40	4.53	0.12	7.25	0.79	99	24.4	70.6	5.0
JAL10	m54		64.1	21.8	0.19	4.64	0.21	7.76	0.80	100	23.6	71.5	4.8
JAL10	m55		63.5	22.4	0.25	4.25	0.19	7.84	0.90	99	21.8	72.7	5.5
JAL10	m56		62.7	23.9	0.25	5.10	0.25	7.75	0.57	101	25.7	70.8	3.4
JAL10	m57		62.3	22.7	0.50	5.04	0.18	7.67	0.57	99	25.7	70.8	3.5

JAL10	m58	59.9	24.3	0.37	6.45	0.20	7.30	0.52	99	31.8	65.2	3.0
JAL10	m59	62.1	23.2	0.45	5.08	0.19	7.88	0.67	100	25.3	70.8	4.0
JAL10	m60	63.6	23.2	0.35	4.76	0.33	7.74	0.66	101	24.3	71.6	4.0
JAL10	m61	65.2	22.5	0.19	4.15	0.07	7.95	0.89	101	21.2	73.4	5.4
JAL10	m62	65.2	21.9	0.26	3.97	0.05	8.16	0.68	100	20.3	75.5	4.1
JAL10	m63	66.0	21.6	0.43	4.59	0.05	7.10	1.07	101	24.5	68.7	6.8
JAL10	m64	63.9	23.6	0.23	4.52	0.11	7.91	0.68	101	23.0	72.8	4.1
JAL10	m65	69.1	18.7	0.41	3.68	0.05	5.16	1.42	99	25.0	63.5	11.5
JAL10	m66	62.7	22.9	0.56	4.06	0.13	8.24	0.85	100	20.3	74.6	5.1
JAL10	m67	63.5	22.8	0.18	4.40	0.21	8.36	0.88	100	21.4	73.5	5.1
JAL10	m68	63.8	23.3	0.48	4.59	0.21	7.96	0.66	100	23.2	72.8	4.0
JAL10	m69	63.9	22.3	0.22	4.34	0.25	7.91	0.66	100	22.3	73.6	4.0
JAL10	m70	62.3	23.8	0.49	5.48	0.23	7.98	0.65	101	26.5	69.8	3.7
JAL10	m71	63.7	23.3	0.24	4.96	0.00	7.96	0.66	101	24.6	71.5	3.9
JAL10	m72	63.1	23.5	0.30	5.19	0.17	8.05	0.61	101	25.3	71.1	3.6
JAL10	m73	62.2	24.0	0.36	6.27	0.05	7.43	0.46	101	30.9	66.4	2.7
JAL10	m74	62.2	24.4	0.44	5.52	0.10	7.71	0.63	101	27.3	69.0	3.7
JAL10	m75	62.4	23.5	0.34	5.26	0.05	7.69	0.48	100	26.6	70.4	2.9
JAL10	m76	62.7	23.1	0.42	5.20	0.25	7.55	0.62	100	26.5	69.7	3.8
JAL10	m77	59.5	25.5	0.48	8.11	0.15	6.00	0.40	100	41.7	55.8	2.4
JAL10	m78	58.0	26.3	0.45	8.52	0.03	6.13	0.32	100	42.6	55.5	1.9
JAL10	m79	57.8	26.4	0.50	8.74	0.08	6.04	0.30	100	43.7	54.6	1.8
JAL10	m80	64.8	22.7	0.21	3.65	0.08	8.35	0.82	101	18.5	76.6	4.9
JAL10	m81	64.3	22.7	0.32	3.95	0.21	8.14	0.86	101	20.0	74.7	5.2
JAL10	m82	63.7	22.2	0.38	3.96	0.14	8.02	1.20	100	19.9	72.9	7.2
JAL10	m83	58.2	25.9	0.33	8.38	0.07	6.32	0.31	100	41.5	56.7	1.8
JAL10	m84	58.7	25.9	0.40	7.37	0.02	6.65	0.41	100	37.1	60.5	2.4
JAL10	m85	60.8	24.6	0.35	6.48	0.22	7.18	0.37	100	32.5	65.2	2.2
JAL10	m86	58.4	26.4	0.33	8.36	0.18	6.28	0.39	100	41.4	56.3	2.3
JAL10	m87	61.8	23.8	0.30	5.68	0.19	7.40	0.58	100	28.7	67.8	3.5
JAL10	m88	62.4	23.3	0.45	5.03	0.05	7.16	0.66	99	26.8	69.0	4.2
JAL10	m89	63.6	22.1	0.44	4.77	0.12	7.25	0.64	99	25.6	70.3	4.1
JAL10	m90	62.1	24.1	0.46	5.83	0.26	7.61	0.48	101	28.9	68.3	2.8
JAL10	m91	61.6	24.5	0.41	6.00	0.12	7.23	0.60	101	30.3	66.1	3.6
JAL10	m92	61.3	24.5	0.24	6.54	0.07	7.42	0.49	101	31.8	65.3	2.9
JAL10	m93	62.5	23.9	0.38	5.52	0.08	7.75	0.57	101	27.3	69.4	3.3
JAL10	m94	60.7	24.2	0.47	5.96	0.14	7.56	0.53	100	29.4	67.5	3.1
JAL10	m95	63.4	23.1	0.23	4.92	0.21	8.05	0.54	100	24.4	72.4	3.2
JAL10	m96	62.8	23.3	0.27	5.12	0.29	8.00	0.60	100	25.2	71.3	3.5
JAL10	m97	63.0	23.7	0.48	5.19	0.15	7.50	0.67	101	26.5	69.4	4.1
JAL10	m98	62.7	24.1	0.31	5.25	0.28	7.73	0.66	101	26.2	69.9	3.9
JAL10	m99	55.5	27.7	0.41	9.94	0.03	5.22	0.19	99	50.7	48.2	1.2
JAL10	m100	55.3	27.7	0.47	10.39	0.16	5.33	0.30	100	51.0	47.3	1.7
JAL10	m101	55.5	27.4	0.57	10.02	0.01	5.33	0.15	99	50.5	48.6	0.9
JAL10	m102	55.8	28.2	0.65	10.31	0.08	5.11	0.31	101	51.8	46.4	1.8
JAL10	m103	63.5	23.2	0.28	4.87	0.22	7.73	0.75	101	24.7	70.8	4.5
JAL10	m104	63.2	23.3	0.36	4.64	0.31	8.25	0.68	101	22.8	73.3	4.0
JAL10	m105	63.2	23.4	0.17	4.69	0.16	8.23	0.68	100	23.0	73.0	3.9
JAL10	m106	61.5	24.0	0.38	5.89	0.08	7.44	0.55	100	29.4	67.3	3.3
JAL10	m107	63.0	23.8	0.31	5.03	0.08	7.74	0.67	101	25.4	70.6	4.0
JAL10	m108	62.5	23.5	0.48	5.56	0.30	7.66	0.59	101	27.6	68.9	3.5
JAL10	m109	63.5	23.0	0.29	4.43	0.27	8.20	0.61	100	22.2	74.2	3.6
JAL10	m110	63.1	23.1	0.28	4.51	0.26	8.12	0.93	100	22.2	72.4	5.5
JAL10	m111	64.5	22.3	0.30	4.00	0.11	8.21	0.83	100	20.1	74.9	5.0
JAL10	m112	61.6	23.5	0.44	5.71	0.03	7.40	0.54	99	28.9	67.8	3.3
JAL10	m113	62.8	23.7	0.25	4.70	0.29	7.73	0.70	100	24.1	71.6	4.3
JAL10	m114	62.8	23.9	0.29	4.67	0.29	8.02	0.48	100	23.6	73.5	2.9
JAL10	m115	63.2	24.0	0.21	5.09	0.10	7.76	0.65	101	25.6	70.6	3.9
JAL10	m116	63.7	23.3	0.50	5.17	0.19	7.72	0.60	101	26.1	70.3	3.6
JAL10	m117	61.4	24.2	0.47	5.72	0.09	7.49	0.49	100	28.8	68.3	3.0
JAL10	m118	63.2	23.4	0.28	4.65	0.18	8.02	0.72	101	23.2	72.5	4.3
JAL10	m119	62.1	24.1	0.18	5.91	0.09	7.52	0.51	100	29.3	67.6	3.0
JAL10	m120	65.3	22.1	0.24	3.54	0.31	8.46	0.98	101	17.7	76.5	5.8
JAL10	m121	63.9	22.9	0.28	4.61	0.19	7.75	0.75	100	23.6	71.8	4.6
JAL10	m122	62.9	23.9	0.24	5.30	0.08	7.84	0.56	101	26.3	70.4	3.3
JAL10	m123	63.8	22.8	0.19	4.47	0.45	7.90	0.81	101	22.6	72.5	4.9

MLV36	1	0	59.3	26.4	0.40	8.22	0.00	6.47	0.51	100	40.0	57.0	2.9
MLV36	1	19	58.2	26.6	0.37	8.27	0.05	6.44	0.39	100	40.6	57.2	2.2
MLV36	1	39	58.3	26.2	0.30	8.24	0.01	5.99	0.44	99	42.0	55.3	2.7
MLV36	1	59	57.6	26.9	0.32	9.67	0.05	5.82	0.48	101	46.5	50.7	2.8
MLV36	1	78	57.6	26.5	0.28	8.46	0.15	6.22	0.47	99	41.7	55.5	2.7
MLV36	1	97	59.0	26.0	0.26	8.49	0.08	6.52	0.59	101	40.4	56.2	3.4
MLV36	1	116	59.6	26.7	0.21	8.13	0.14	6.48	0.58	101	39.6	57.1	3.3
MLV36	1	136	60.2	25.2	0.31	7.08	0.02	6.86	0.65	100	35.0	61.3	3.8
MLV36	1	156	56.4	27.6	0.27	10.22	0.22	5.70	0.48	101	48.4	48.9	2.7
MLV36	1	174	56.8	28.0	0.25	10.22	0.08	5.63	0.31	100	49.2	49.0	1.8
MLV36	1	194	56.9	26.6	0.28	8.95	0.08	6.20	0.55	99	43.0	53.9	3.2
MLV36	1	214	57.3	27.1	0.36	9.33	0.07	6.11	0.42	101	44.7	52.9	2.4
MLV36	1	233	58.5	26.8	0.29	8.89	0.06	6.19	0.53	100	42.9	54.1	3.0
MLV36	1	252	58.2	26.9	0.38	8.94	0.02	6.33	0.46	100	42.7	54.7	2.6
MLV36	1	271	58.3	25.7	0.41	8.14	0.12	6.32	0.45	99	40.5	56.9	2.7
MLV36	1	291	58.8	25.0	0.50	7.72	0.08	6.60	0.64	99	37.8	58.5	3.7
MLV36	2	0	56.5	28.2	0.44	9.88	0.00	5.68	0.33	100	48.1	50.0	1.9
MLV36	2	46	59.2	25.2	0.30	7.37	0.04	6.99	0.63	100	35.5	60.9	3.6
MLV36	2	137	59.9	24.9	0.14	7.54	0.04	7.04	0.60	100	35.9	60.7	3.4
MLV36	2	183	56.2	26.7	0.19	9.53	0.09	5.83	0.47	99	46.2	51.1	2.7
MLV36	2	228	59.1	25.6	0.37	8.20	0.04	6.45	0.62	100	39.8	56.6	3.6
MLV36	2	274	59.7	25.5	0.28	7.76	0.12	6.67	0.69	101	37.6	58.4	4.0
MLV36	2	319	60.0	25.0	0.20	7.32	0.05	7.17	0.67	100	34.7	61.5	3.8
MLV36	2	364	57.4	27.1	0.38	9.52	0.03	5.91	0.45	101	45.9	51.6	2.6
MLV36	2	409	58.3	26.1	0.36	7.91	0.05	6.50	0.62	100	38.8	57.6	3.6
MLV36	2	455	58.5	26.1	0.29	8.79	0.00	6.41	0.46	101	42.0	55.4	2.6
MLV36	2	500	57.9	25.8	0.26	8.66	0.06	6.28	0.45	99	42.1	55.3	2.6
MLV36	2	546	58.5	26.0	0.26	8.64	0.06	6.34	0.57	100	41.6	55.2	3.3
MLV36	2	592	58.3	25.8	0.27	8.47	0.02	6.13	0.56	99	41.9	54.8	3.3
MLV36	2	683	59.1	26.0	0.24	7.77	0.09	6.53	0.62	100	38.2	58.2	3.6
MLV36	2	727	57.9	26.2	0.28	8.92	0.03	6.26	0.45	100	42.9	54.5	2.6
MLV36	2	773	57.9	26.3	0.26	8.42	0.07	6.24	0.49	100	41.5	55.6	2.9
MLV36	2	819	59.0	25.9	0.35	7.80	0.06	6.73	0.57	100	37.7	59.0	3.3
MLV36	2	864	56.0	27.7	0.32	10.54	0.10	5.59	0.29	100	50.2	48.1	1.7
MLV36	2	910	56.8	27.7	0.27	9.93	0.03	5.79	0.50	100	47.3	49.9	2.9
MLV36	2	1001	56.3	27.0	0.19	8.81	0.03	5.95	0.43	99	43.9	53.6	2.6
MLV36	2	1046	57.7	26.9	0.27	9.40	0.05	5.97	0.46	101	45.3	52.1	2.6
MLV36	2	1091	56.9	27.2	0.37	9.23	0.04	5.87	0.48	100	45.2	52.0	2.8
MLV36	3	0	58.5	26.4	0.34	8.40	0.19	6.44	0.55	101	40.5	56.3	3.2
MLV36	3	17	58.2	27.2	0.35	8.95	0.10	6.27	0.46	100	42.9	54.4	2.6
MLV36	3	33	56.0	28.0	0.26	10.64	0.01	5.12	0.31	100	52.5	45.7	1.8
MLV36	3	50	52.6	29.7	0.39	12.49	0.09	4.40	0.26	100	60.2	38.3	1.5
MLV36	3	66	53.2	29.8	0.40	12.49	0.06	4.32	0.20	101	60.8	38.0	1.2
MLV36	3	82	53.4	29.8	0.35	12.15	0.06	4.55	0.23	101	58.8	39.8	1.3
MLV36	3	99	56.1	27.5	0.36	10.28	0.01	5.31	0.38	100	50.5	47.2	2.2
MLV36	3	116	56.2	28.1	0.29	10.61	0.12	5.47	0.37	100	50.7	47.2	2.1
MLV36	3	131	58.9	25.7	0.48	8.29	0.06	6.50	0.60	101	39.9	56.7	3.4
MLV36	3	197	57.7	26.5	0.38	8.93	0.07	6.18	0.58	100	42.9	53.8	3.3
MLV36	3	214	58.3	26.0	0.31	8.34	0.10	6.41	0.52	100	40.6	56.4	3.0
MLV36	3	230	58.2	26.5	0.35	8.82	0.01	6.20	0.47	101	42.8	54.5	2.7
MLV36	4	30	59.2	25.5	0.41	8.07	0.02	6.70	0.61	101	38.6	57.9	3.5
MLV36	4	60	58.3	25.8	0.43	8.10	0.06	6.50	0.62	100	39.3	57.1	3.6
MLV36	4	90	57.1	26.3	0.53	9.70	0.02	5.86	0.35	100	46.8	51.2	2.0
MLV36	4	150	57.0	26.3	0.42	9.19	0.18	5.92	0.45	100	45.0	52.4	2.6
MLV36	4	179	56.6	27.2	0.52	9.88	0.03	5.80	0.40	101	47.4	50.3	2.3
MLV36	4	209	56.5	27.0	0.32	9.88	0.12	5.64	0.34	100	48.2	49.8	2.0
MLV36	4	239	56.1	26.9	0.48	9.54	0.01	5.82	0.34	99	46.6	51.4	2.0
MLV36	4	269	56.4	26.8	0.44	9.79	0.08	5.93	0.40	100	46.6	51.1	2.3
MLV36	4	388	56.0	26.4	0.33	9.38	0.20	5.88	0.44	99	45.7	51.8	2.5
MLV36	4	418	56.2	27.6	0.51	10.85	0.01	5.41	0.34	101	51.6	46.5	1.9
MLV36	4	447	56.5	26.5	0.40	9.40	0.03	5.90	0.46	99	45.6	51.8	2.6
MLV36	4	478	57.2	26.2	0.54	8.95	0.07	6.16	0.40	100	43.5	54.2	2.3
MLV36	4	507	57.9	26.6	0.37	9.17	0.03	6.04	0.47	101	44.4	52.9	2.7
MLV36	4	537	57.7	26.2	0.40	9.27	0.00	5.88	0.38	100	45.5	52.3	2.2

MLV36	5	0	58.2	26.7	0.28	8.53	0.04	6.36	0.54	101	41.3	55.6	3.1
MLV36	5	21	57.5	27.1	0.34	8.85	0.09	6.13	0.51	101	43.1	54.0	2.9
MLV36	5	43	56.3	27.1	0.46	9.83	0.06	5.94	0.36	100	46.8	51.1	2.1
MLV36	5	64	56.8	26.0	0.32	8.68	0.16	6.52	0.54	99	41.1	55.9	3.0
MLV36	6	0	58.5	25.7	0.44	8.34	0.02	6.47	0.50	100	40.4	56.7	2.9
MLV36	6	20	58.7	25.6	0.28	8.16	0.02	6.66	0.56	100	39.1	57.7	3.2
MLV36	6	40	58.0	25.9	0.36	8.03	0.08	6.38	0.58	99	39.6	57.0	3.4
MLV36	6	60	58.7	26.0	0.27	7.93	0.18	6.58	0.58	100	38.6	58.0	3.4
MLV36	6	80	59.4	24.9	0.44	7.06	0.10	6.83	0.74	100	34.8	60.9	4.3
MLV36	6	100	59.8	25.0	0.31	7.00	0.17	7.20	0.73	100	33.5	62.3	4.1
MLV36	6	120	60.4	24.6	0.15	7.08	0.11	6.99	0.69	100	34.5	61.6	4.0
MLV36	6	159	60.2	24.3	0.32	6.49	0.23	7.19	0.77	100	31.8	63.7	4.5
MLV36	6	179	60.6	24.7	0.31	6.65	0.04	7.22	0.73	100	32.3	63.5	4.2
MLV36	6	199	60.5	25.2	0.35	7.68	0.07	6.85	0.65	100	36.8	59.5	3.7
MLV36	6	218	59.4	25.7	0.34	7.36	0.15	6.89	0.60	100	35.8	60.7	3.5
MLV36	6	238	59.7	25.1	0.30	7.27	0.19	6.83	0.69	100	35.6	60.4	4.0
MLV36	7	0	57.2	26.7	0.30	9.01	0.03	5.92	0.38	100	44.7	53.1	2.3
MLV36	7	16	56.8	27.5	0.37	9.45	0.05	5.80	0.40	100	46.3	51.4	2.3
MLV36	7	32	57.2	26.3	0.33	9.52	0.06	5.92	0.40	100	46.0	51.7	2.3
MLV36	7	47	57.8	27.0	0.27	9.53	0.06	5.87	0.38	101	46.3	51.5	2.2
MLV36	7	78	56.9	27.8	0.28	9.67	0.07	5.76	0.31	101	47.2	50.9	1.8
MLV36	7	94	55.9	28.1	0.46	10.05	0.12	5.59	0.33	101	48.9	49.2	1.9
MLV36	7	109	61.5	23.6	0.52	7.40	0.03	6.45	0.61	100	37.4	59.0	3.7
MLV36	7	125	60.0	25.4	0.29	7.12	0.17	6.96	0.63	100	34.8	61.6	3.6
MLV36	7	187	59.0	26.3	0.44	7.99	0.02	6.35	0.58	101	39.6	57.0	3.4
MLV36	7	219	57.9	26.8	0.25	9.21	0.12	6.08	0.42	101	44.5	53.1	2.4
MLV36	7	234	57.3	26.7	0.31	9.30	0.12	5.99	0.50	100	44.8	52.3	2.9
MLV36	7	250	56.6	27.4	0.34	9.93	0.07	5.77	0.46	101	47.4	49.9	2.6
MLV36	7	265	57.4	27.0	0.31	9.21	0.14	5.86	0.52	100	45.1	51.9	3.0
MLV36	7	281	57.1	27.0	0.37	9.59	0.03	5.80	0.44	101	46.5	51.0	2.5
MLV36	8	0	57.0	26.7	0.45	9.49	0.16	5.89	0.49	100	45.7	51.4	2.8
MLV36	8	21	57.8	26.9	0.50	9.17	0.20	6.10	0.35	100	44.5	53.5	2.0
MLV36	8	42	57.3	26.6	0.15	9.33	0.18	6.09	0.45	100	44.6	52.8	2.6
MLV36	8	62	57.0	27.6	0.27	9.08	0.08	5.97	0.42	100	44.6	53.0	2.5
MLV36	8	104	58.7	26.7	0.27	8.45	0.17	6.47	0.52	100	40.7	56.4	3.0
MLV36	8	125	57.8	26.1	0.38	8.50	0.17	6.32	0.47	100	41.5	55.8	2.7
MLV36	8	166	58.2	26.8	0.48	8.50	0.06	6.17	0.41	100	42.2	55.4	2.4
MLV36	8	187	57.0	26.9	0.26	8.81	0.10	6.11	0.41	100	43.3	54.3	2.4
MLV36	8	208	58.1	26.1	0.32	8.24	0.05	6.11	0.55	100	41.3	55.4	3.3
MLV36	8	228	57.1	26.8	0.26	9.28	0.13	5.93	0.48	100	45.1	52.2	2.7
MLV36	8	269	57.7	26.7	0.27	8.61	0.18	6.14	0.37	100	42.7	55.1	2.2
MLV36	8	289	57.1	26.6	0.22	9.04	0.01	6.22	0.46	100	43.4	54.0	2.6
MLV36	8	310	56.3	27.3	0.30	9.68	0.17	5.68	0.36	100	47.5	50.4	2.1
MLV36	8	331	56.6	26.1	0.26	8.63	0.01	6.22	0.60	98	41.9	54.7	3.4
MLV36	8	352	59.8	25.6	0.24	7.11	0.05	6.96	0.55	100	34.9	61.9	3.2
MLV36	8	373	56.8	26.9	0.20	9.19	0.24	6.09	0.38	100	44.5	53.3	2.2
MLV36	8	393	54.6	27.4	0.34	10.82	0.02	5.54	0.31	99	51.0	47.2	1.8
MLV36	8	414	57.7	26.7	0.53	9.32	0.08	5.84	0.43	100	45.7	51.8	2.5
MLV36	8	434	56.6	26.5	0.51	9.36	0.05	6.06	0.41	99	45.0	52.7	2.3
MLV36	8	455	57.0	26.5	0.42	9.37	0.20	6.19	0.50	100	44.3	52.9	2.8
MLV36	8	476	56.5	26.2	0.33	9.73	0.22	5.73	0.42	99	47.3	50.3	2.4
MLV36	8	497	56.4	27.0	0.31	9.36	0.02	6.21	0.33	100	44.6	53.6	1.9
MLV36	8	518	56.4	26.7	0.43	9.33	0.15	5.80	0.36	99	46.1	51.8	2.1
MLV36	8	537	60.2	24.3	0.43	6.80	0.16	6.93	0.63	100	33.9	62.4	3.7
MLV36	9	0	55.9	28.0	0.40	10.00	0.02	5.49	0.26	100	49.4	49.1	1.5
MLV36	9	16	56.0	27.6	0.39	10.10	0.05	5.68	0.44	100	48.3	49.2	2.5
MLV36	9	33	55.9	27.1	0.27	10.58	0.08	5.36	0.39	100	51.0	46.8	2.2
MLV36	9	49	56.0	27.2	0.39	10.41	0.08	5.67	0.42	100	49.2	48.5	2.3
MLV36	9	66	55.8	27.0	0.46	10.44	0.03	5.49	0.38	100	50.1	47.7	2.2
MLV36	9	81	55.8	27.4	0.45	9.99	0.10	5.61	0.31	99	48.7	49.5	1.8
MLV36	9	98	55.5	27.5	0.47	10.93	0.09	5.42	0.42	100	51.5	46.2	2.4
MLV36	9	114	56.6	26.8	0.46	9.36	0.03	5.65	0.32	99	46.9	51.2	1.9
MLV36	9	131	56.1	26.8	0.42	9.72	0.12	5.61	0.43	99	47.7	49.8	2.5
MLV36	10	0	58.0	26.0	0.36	8.61	0.00	6.23	0.44	100	42.2	55.2	2.6

MLV36	10	23	57.8	26.3	0.48	8.67	0.11	6.43	0.46	100	41.6	55.8	2.6
MLV36	10	47	56.2	27.0	0.33	8.84	0.01	6.12	0.46	99	43.2	54.2	2.7
MLV36	10	72	57.4	26.1	0.25	8.16	0.07	6.25	0.49	99	40.7	56.4	2.9
MLV36	10	96	58.4	25.3	0.24	7.92	0.03	6.54	0.47	99	39.0	58.3	2.7
MLV36	10	120	60.1	24.5	0.31	7.04	0.04	7.10	0.78	100	33.8	61.7	4.5
MLV36	10	144	58.4	25.8	0.16	7.82	0.16	6.77	0.69	100	37.4	58.6	3.9
MLV36	10	169	58.7	25.8	0.27	8.17	0.04	6.51	0.65	100	39.4	56.9	3.7
MLV36	10	193	58.2	25.8	0.27	8.10	0.04	6.59	0.65	100	38.9	57.4	3.7
MLV36	10	216	78.3	10.2	2.27	0.62	0.10	3.24	4.81	100	5.1	48.0	46.9
MLV36	10	265	58.4	25.7	0.23	7.76	0.17	6.72	0.51	99	37.8	59.3	3.0
MLV36	10	289	57.6	25.6	0.28	8.37	0.11	6.39	0.48	99	40.8	56.4	2.8
MLV36	10	313	58.7	25.2	0.28	7.33	0.03	6.88	0.61	99	35.7	60.7	3.5
MLV36	10	337	59.6	24.3	0.09	7.09	0.22	7.07	0.68	99	34.3	61.8	3.9
MLV36	10	362	58.4	25.3	0.12	7.31	0.01	6.53	0.73	99	36.6	59.1	4.3
MLV36	10	386	59.8	25.4	0.38	7.60	0.02	6.68	0.54	100	37.4	59.5	3.2
MLV36	10	409	58.8	25.8	0.41	7.53	0.06	6.87	0.64	100	36.3	60.0	3.7
MLV36	10	433	58.3	25.9	0.24	7.81	0.20	6.41	0.59	99	38.8	57.7	3.5
MLV36	10	458	57.6	26.5	0.29	9.19	0.04	6.24	0.46	100	43.7	53.7	2.6
MLV36	10	506	58.0	25.9	0.34	8.53	0.06	6.27	0.47	100	41.7	55.5	2.7
MLV36	10	555	57.9	26.5	0.36	8.50	0.00	6.20	0.58	100	41.6	55.0	3.4
MLV36	10	579	57.9	26.4	0.41	8.89	0.02	6.18	0.53	100	42.9	54.1	3.0
MLV36	11	14	57.4	26.8	0.21	8.50	0.02	6.44	0.48	100	41.0	56.2	2.8
MLV36	11	29	57.5	26.6	0.21	8.80	0.04	5.96	0.55	100	43.5	53.2	3.3
MLV36	11	44	57.3	26.6	0.35	8.71	0.03	6.07	0.44	100	43.1	54.3	2.6
MLV36	11	58	57.1	26.6	0.27	9.19	0.15	6.10	0.39	100	44.4	53.4	2.2
MLV36	11	73	58.9	25.6	0.28	7.86	0.11	6.94	0.54	100	37.3	59.6	3.1
MLV36	11	88	58.9	24.8	0.27	7.68	0.05	6.66	0.53	99	37.7	59.2	3.1
MLV36	11	103	59.2	26.0	0.32	7.87	0.06	6.57	0.54	100	38.6	58.3	3.2
MLV36	11	117	57.8	26.8	0.36	8.77	0.01	6.04	0.46	100	43.3	54.0	2.7
MLV36	11	132	58.0	27.0	0.32	8.80	0.02	6.12	0.52	101	43.0	54.0	3.0
MLV36	11	147	56.2	27.5	0.29	8.45	0.03	6.08	0.46	99	42.2	55.0	2.8
MLV36	11	161	57.7	27.0	0.35	9.06	0.13	5.97	0.51	101	44.2	52.8	3.0
MLV36	11	176	57.0	26.5	0.39	8.47	0.12	6.30	0.52	99	41.3	55.6	3.0
MLV36	11	191	57.6	26.8	0.42	8.70	0.12	6.21	0.52	100	42.3	54.6	3.0
MLV36	12	0	58.0	26.1	0.47	8.72	0.14	6.39	0.42	100	41.9	55.7	2.4
MLV36	12	29	58.0	26.7	0.35	8.43	0.06	6.22	0.41	100	41.8	55.8	2.4
MLV36	12	44	58.3	26.4	0.28	8.56	0.05	6.46	0.49	100	41.1	56.1	2.8
MLV36	12	59	58.2	25.9	0.29	8.62	0.08	6.16	0.46	100	42.4	54.9	2.7
MLV36	12	73	58.1	26.4	0.30	8.49	0.09	6.32	0.44	100	41.5	55.9	2.6
MLV36	12	88	57.3	26.6	0.21	8.60	0.12	6.27	0.33	99	42.3	55.8	1.9
MLV36	12	103	59.2	25.6	0.28	8.46	0.08	6.57	0.51	101	40.4	56.7	2.9
MLV36	12	118	59.0	25.2	0.37	7.48	0.06	6.97	0.63	100	35.9	60.5	3.6
MLV36	12	133	58.2	26.2	0.39	7.34	0.16	7.09	0.55	100	35.2	61.6	3.2
MLV36	12	147	58.9	26.2	0.32	8.32	0.01	6.13	0.43	100	41.8	55.6	2.6
MLV36	12	162	58.6	26.1	0.35	8.16	0.25	6.36	0.49	100	40.3	56.8	2.9
MLV36	12	177	58.7	26.4	0.26	8.10	0.10	6.47	0.44	100	39.8	57.6	2.6
MLV36	12	192	58.4	26.3	0.46	8.66	0.15	6.30	0.48	101	42.0	55.3	2.8
MLV36	12	207	61.3	24.8	0.32	7.52	0.05	6.58	0.47	100	37.6	59.6	2.8
MLV36	13	0	58.4	25.8	0.27	8.32	0.17	6.43	0.58	100	40.3	56.3	3.4
MLV36	13	9	57.9	25.6	0.32	8.19	0.06	6.37	0.56	99	40.2	56.6	3.2
MLV36	13	19	57.9	25.7	0.35	8.12	0.03	6.40	0.67	99	39.6	56.5	3.9
MLV36	13	39	58.5	25.2	0.40	7.83	0.14	6.66	0.46	99	38.3	59.0	2.7
MLV36	13	48	58.4	25.8	0.27	8.04	0.06	6.50	0.59	100	39.2	57.4	3.4
MLV36	13	58	58.8	25.9	0.33	7.93	0.08	6.58	0.64	100	38.5	57.8	3.7
MLV36	13	68	58.2	25.1	0.29	7.94	0.17	6.78	0.69	99	37.8	58.3	3.9
MLV36	13	78	57.3	26.6	0.23	8.74	0.07	6.17	0.50	99	42.6	54.5	2.9
MLV36	13	88	58.8	25.4	0.38	7.78	0.06	6.65	0.51	100	38.1	58.9	3.0
MLV36	13	96	58.2	25.8	0.20	7.84	0.04	6.39	0.47	99	39.3	57.9	2.8
MLV36	13	106	58.1	25.7	0.27	8.23	0.01	6.47	0.51	99	40.0	57.0	2.9
MLV36	13	116	59.2	25.0	0.29	7.40	0.01	6.70	0.59	99	36.6	59.9	3.5
MLV36	13	126	60.5	24.3	0.39	6.49	0.03	7.33	0.88	100	31.2	63.8	5.1
MLV36	13	135	59.0	25.1	0.31	7.78	0.05	6.78	0.57	100	37.5	59.2	3.3
MLV36	13	145	58.2	25.1	0.33	7.47	0.11	6.70	0.47	99	37.0	60.2	2.8
MLV36	13	155	58.5	25.1	0.39	8.38	0.02	6.51	0.60	100	40.1	56.5	3.4

MLV36	13	165	57.9	26.0	0.22	7.75	0.48	6.50	0.52	99	38.5	58.4	3.1
MLV36	13	175	58.7	25.7	0.31	7.31	0.08	6.74	0.71	100	35.9	59.9	4.1
MLV36	13	184	59.5	25.4	0.24	7.14	0.18	6.86	0.65	100	35.1	61.1	3.8
MLV36	13	194	58.3	25.1	0.26	7.77	0.06	6.75	0.65	99	37.4	58.9	3.7
MLV36	13	204	59.1	25.6	0.25	7.55	0.17	6.68	0.58	100	37.1	59.5	3.4
MLV36	14	0	58.4	25.4	0.28	7.93	0.02	6.56	0.55	99	38.8	58.0	3.2
MLV36	14	14	58.1	25.1	0.23	7.73	0.20	6.72	0.68	99	37.3	58.7	3.9
MLV36	14	28	58.4	25.3	0.38	7.52	0.02	6.57	0.60	99	37.4	59.1	3.5
MLV36	14	42	58.4	25.2	0.34	7.46	0.15	6.75	0.53	99	36.7	60.2	3.1
MLV36	14	56	58.7	25.8	0.27	7.57	0.09	6.73	0.60	100	37.0	59.5	3.5
MLV36	14	71	58.9	25.6	0.34	7.65	0.07	6.85	0.54	100	37.0	59.9	3.1
MLV36	14	85	58.5	25.2	0.22	7.49	0.17	6.62	0.58	99	37.1	59.4	3.4
MLV36	14	99	59.4	25.2	0.31	7.13	0.07	6.96	0.68	100	34.7	61.4	3.9
MLV36	14	113	59.0	25.2	0.26	7.64	0.02	6.86	0.56	99	36.9	59.9	3.2
MLV36	14	127	58.4	25.6	0.33	7.01	0.04	6.51	0.62	99	35.9	60.3	3.8
MLV36	14	141	57.9	25.5	0.24	8.11	0.14	6.51	0.48	99	39.6	57.5	2.8
MLV36	14	155	58.4	25.8	0.29	7.82	0.03	6.58	0.32	99	38.9	59.2	1.9
MLV36	14	169	57.8	26.0	0.25	8.06	0.05	6.33	0.50	99	40.1	57.0	2.9
MLV36	14	212	57.8	26.4	0.28	8.41	0.13	6.22	0.43	100	41.7	55.8	2.5
MLV36	14	226	57.1	25.9	0.36	8.75	0.14	6.05	0.47	99	43.2	54.0	2.8
MLV36	14	240	56.6	26.4	0.42	9.07	0.03	6.04	0.43	99	44.2	53.3	2.5
MLV36	14	268	56.2	27.0	0.34	9.26	0.15	5.98	0.30	99	45.3	52.9	1.7
MLV36	14	297	56.3	26.9	0.28	9.52	0.03	5.82	0.39	99	46.4	51.3	2.3
MLV36	14	311	56.0	26.9	0.30	9.29	0.06	5.90	0.24	99	45.9	52.7	1.4
MLV36	14	325	56.1	26.5	0.41	9.42	0.12	6.04	0.50	99	45.0	52.2	2.9
MLV36	14	339	56.0	27.1	0.44	9.92	0.06	5.81	0.45	100	47.3	50.1	2.5
MLV36	14	353	56.4	27.5	0.33	9.79	0.08	5.71	0.45	100	47.4	50.0	2.6
MLV36	14	367	55.9	27.1	0.43	9.80	0.06	5.71	0.46	99	47.4	50.0	2.7
MLV36	14	396	56.7	26.9	0.36	9.82	0.11	5.69	0.44	100	47.6	49.9	2.5
MLV36	14	411	55.4	27.5	0.52	9.56	0.10	5.61	0.44	99	47.3	50.2	2.6
MLV36	15	34	56.7	26.7	0.34	9.69	0.14	5.71	0.33	100	47.5	50.6	1.9
MLV36	15	51	55.8	27.2	0.41	10.09	0.06	5.53	0.33	99	49.2	48.8	1.9
MLV36	15	68	54.6	27.4	0.42	10.30	0.02	5.45	0.40	98	49.9	47.8	2.3
MLV36	15	102	54.8	27.4	0.43	10.40	0.01	5.35	0.30	99	50.9	47.4	1.7
MLV36	15	119	55.8	27.3	0.40	9.96	0.01	5.39	0.32	99	49.6	48.5	1.9
MLV36	15	136	55.4	27.6	0.24	10.09	0.01	5.45	0.35	99	49.5	48.4	2.1
MLV36	15	153	56.4	27.4	0.24	9.52	0.07	5.87	0.45	100	46.1	51.4	2.6
MLV36	15	170	55.2	27.7	0.26	10.25	0.10	5.39	0.28	99	50.4	48.0	1.6
MLV36	15	187	57.9	26.0	0.28	8.70	0.15	6.09	0.49	100	42.8	54.3	2.9
MLV36	15	204	54.6	28.2	0.30	10.13	0.14	5.56	0.32	99	49.3	48.9	1.9
MLV36	15	222	55.3	27.5	0.26	9.90	0.09	5.53	0.36	99	48.7	49.2	2.1
MLV36	15	256	55.9	27.2	0.30	9.76	0.10	5.51	0.46	99	48.1	49.2	2.7
MLV36	15	273	55.9	27.7	0.38	10.24	0.11	5.55	0.39	100	49.3	48.4	2.2
MLV36	15	324	55.8	27.1	0.37	10.23	0.09	5.70	0.34	100	48.8	49.2	1.9
MLV36	15	358	56.1	26.6	0.37	9.40	0.07	5.56	0.47	98	46.9	50.3	2.8
MLV36	15	375	56.3	26.9	0.31	9.76	0.14	5.55	0.26	99	48.5	49.9	1.6
MLV36	15	392	55.6	26.8	0.40	10.02	0.06	5.55	0.39	99	48.8	48.9	2.2
MLV36	15	409	56.0	27.0	0.29	9.48	0.03	5.62	0.38	99	47.2	50.6	2.3
MLV36	15	426	56.0	26.9	0.36	9.81	0.16	5.77	0.40	99	47.3	50.3	2.3
MLV36	15	444	56.2	27.0	0.38	9.63	0.07	5.55	0.45	99	47.6	49.7	2.7
MLV36	15	461	56.2	27.1	0.40	9.46	0.07	5.67	0.42	99	46.8	50.7	2.5
MLV36	15	478	56.2	27.2	0.46	9.56	0.03	5.80	0.37	100	46.6	51.2	2.1
MLV36	15	495	57.2	26.7	0.33	8.60	0.07	5.90	0.51	99	43.3	53.7	3.0
MLV36	15	512	59.9	24.6	0.28	7.31	0.12	7.10	0.75	100	34.7	61.0	4.2
MLV36	15	529	58.5	25.2	0.25	8.27	0.01	6.37	0.53	99	40.5	56.4	3.1
MLV36	15	546	58.4	25.9	0.23	8.53	0.10	6.24	0.52	100	41.7	55.2	3.0
MLV36	15	563	56.3	27.0	0.38	8.66	0.26	6.16	0.56	99	42.3	54.4	3.2
MLV36	15	597	56.8	25.8	0.24	8.95	0.05	6.30	0.44	99	42.9	54.6	2.5
MLV36	15	614	57.2	25.6	0.38	8.61	0.08	6.34	0.69	99	41.2	54.9	3.9
MLV36	15	631	57.6	26.2	0.26	8.30	0.02	6.38	0.51	99	40.6	56.5	3.0
MLV36	15	648	58.5	26.3	0.35	8.42	0.11	6.32	0.54	101	41.1	55.8	3.1
MLV36	15	666	58.1	25.8	0.33	8.35	0.09	6.39	0.48	100	40.8	56.5	2.8
MLV36	16	0	55.4	27.7	0.31	10.29	0.06	5.33	0.29	99	50.7	47.6	1.7
MLV36	16	9	55.2	27.8	0.35	9.99	0.02	5.29	0.37	99	50.0	47.9	2.2

MLV36	16	19	55.3	27.2	0.35	10.18	0.03	5.50	0.28	99	49.7	48.6	1.7
MLV36	16	30	55.1	27.8	0.26	10.54	0.01	5.63	0.41	100	49.7	48.0	2.3
MLV36	16	39	55.0	27.5	0.23	10.31	0.02	5.36	0.39	99	50.4	47.4	2.3
MLV36	16	49	56.3	27.5	0.35	9.97	0.01	5.60	0.30	100	48.7	49.5	1.7
MLV36	16	59	57.8	26.6	0.31	9.39	0.03	6.00	0.44	101	45.2	52.3	2.5
MLV36	16	69	58.2	25.5	0.27	7.55	0.11	6.48	0.60	99	37.8	58.7	3.5
MLV36	16	80	58.1	25.6	0.33	8.14	0.02	6.27	0.56	99	40.4	56.3	3.3
MLV36	16	90	57.6	26.0	0.26	8.14	0.14	6.50	0.51	99	39.7	57.3	3.0
MLV36	16	99	57.2	26.3	0.29	8.55	0.09	6.36	0.55	99	41.3	55.6	3.2
MLV36	16	110	57.9	26.3	0.30	8.62	0.08	6.23	0.46	100	42.2	55.2	2.7
MLV36	16	119	57.2	26.7	0.30	8.80	0.04	6.13	0.55	100	42.9	54.0	3.2
MLV36	16	129	57.1	25.9	0.37	8.65	0.07	6.14	0.54	99	42.4	54.4	3.2
MLV36	16	140	56.9	26.9	0.28	9.04	0.09	6.07	0.51	100	43.8	53.3	3.0
MLV36	16	149	57.0	26.5	0.35	9.41	0.12	5.88	0.44	100	45.7	51.7	2.5
MLV36	16	160	55.8	26.9	0.25	9.69	0.01	5.82	0.43	99	46.7	50.8	2.5
MLV36	16	170	55.4	27.7	0.26	10.05	0.19	5.59	0.30	99	49.0	49.3	1.7
MLV36	16	179	54.9	27.5	0.30	10.19	0.02	5.47	0.34	99	49.7	48.3	2.0
MLV36	16	190	55.3	27.7	0.19	10.53	0.08	5.67	0.35	100	49.7	48.4	1.9
MLV36	16	199	55.2	28.0	0.25	10.54	0.03	5.42	0.35	100	50.7	47.3	2.0
MLV36	16	210	55.5	27.3	0.35	10.10	0.05	5.54	0.36	99	49.2	48.8	2.1
MLV36	16	220	55.7	28.1	0.39	10.20	0.09	5.42	0.44	100	49.7	47.8	2.5
MLV36	16	240	54.9	27.5	0.44	10.76	0.10	5.53	0.45	100	50.5	47.0	2.5
MLV36	16	259	55.1	28.0	0.33	9.77	0.13	5.48	0.40	99	48.5	49.2	2.3
MLV36	16	270	55.4	27.4	0.36	9.96	0.14	5.39	0.36	99	49.4	48.5	2.1
MLV36	16	279	55.6	27.7	0.24	10.42	0.05	5.63	0.38	100	49.5	48.3	2.2
MLV36	16	290	55.9	27.4	0.44	10.70	0.09	5.39	0.37	100	51.2	46.7	2.1
MLV36	16	300	55.1	27.5	0.42	10.56	0.03	5.50	0.43	100	50.2	47.3	2.5
MLV36	16	309	55.0	27.6	0.44	10.72	0.16	5.40	0.37	100	51.2	46.7	2.1
MLV36	16	329	55.6	27.5	0.48	9.71	0.23	5.73	0.46	100	47.1	50.3	2.6
MLV36	16	340	56.9	27.0	0.39	9.45	0.03	5.64	0.41	100	46.9	50.7	2.4
MLV36	17	0	58.3	26.4	0.24	8.93	0.06	6.29	0.44	101	42.9	54.6	2.5
MLV36	17	15	57.5	25.9	0.33	8.74	0.04	6.10	0.48	99	42.9	54.2	2.8
MLV36	17	30	57.8	26.4	0.28	9.07	0.13	6.27	0.50	100	43.2	54.0	2.9
MLV36	17	45	57.8	25.8	0.24	8.22	0.22	6.37	0.55	99	40.3	56.5	3.2
MLV36	17	59	58.4	26.2	0.26	8.36	0.06	6.47	0.56	100	40.3	56.4	3.2
MLV36	17	75	57.3	26.1	0.31	8.29	0.08	6.41	0.46	99	40.5	56.8	2.7
MLV36	17	90	58.0	26.1	0.40	8.39	0.04	6.57	0.58	100	40.0	56.7	3.3
MLV36	17	104	55.8	27.7	0.37	9.98	0.11	5.57	0.49	100	48.3	48.9	2.8
MLV36	17	119	59.2	25.3	0.32	7.91	0.09	6.54	0.53	100	38.8	58.1	3.1
MLV36	17	149	57.8	26.6	0.41	8.92	0.01	6.27	0.45	100	42.9	54.6	2.6
MLV36	17	178	57.7	26.4	0.23	8.51	0.12	6.26	0.51	100	41.6	55.4	3.0
MLV36	17	194	57.1	26.2	0.35	8.78	0.09	6.05	0.44	99	43.4	54.1	2.6
MLV36	17	208	57.6	26.6	0.29	8.92	0.07	6.02	0.45	100	43.8	53.6	2.6
MLV36	17	223	55.9	27.7	0.33	10.36	0.05	5.45	0.45	100	49.9	47.5	2.6
MLV36	17	238	55.3	27.7	0.19	10.34	0.15	5.56	0.40	100	49.5	48.2	2.3
MLV36	17	267	55.9	26.9	0.43	9.67	0.12	5.69	0.37	99	47.4	50.5	2.1
MLV36	17	282	56.0	27.5	0.32	9.15	0.04	5.68	0.41	99	45.9	51.6	2.5
MLV36	17	298	56.4	26.6	0.30	9.71	0.11	5.83	0.33	100	47.0	51.1	1.9
MLV36	17	327	56.8	26.8	0.27	9.11	0.10	6.03	0.39	100	44.5	53.3	2.2
MLV36	17	342	56.1	26.6	0.30	9.44	0.09	5.92	0.38	99	45.8	52.0	2.2
MLV36	17	356	57.3	26.4	0.40	8.73	0.06	6.18	0.54	100	42.5	54.4	3.1
MLV36	17	270	55.4	27.4	0.36	9.96	0.14	5.39	0.36	99	49.4	48.5	2.1
MLV36	17	279	55.6	27.7	0.24	10.42	0.05	5.63	0.38	100	49.5	48.3	2.2
MLV36	17	290	55.9	27.4	0.44	10.70	0.09	5.39	0.37	100	51.2	46.7	2.1
MLV36	17	300	55.1	27.5	0.42	10.56	0.03	5.50	0.43	100	50.2	47.3	2.5
MLV36	17	309	55.0	27.6	0.44	10.72	0.16	5.40	0.37	100	51.2	46.7	2.1
MLV36	17	329	55.6	27.5	0.48	9.71	0.23	5.73	0.46	100	47.1	50.3	2.6
MLV36	17	340	56.9	27.0	0.39	9.45	0.03	5.64	0.41	100	46.9	50.7	2.4
MLV36	18	0	58.0	26.1	0.32	8.72	0.05	6.12	0.50	100	42.8	54.3	2.9
MLV36	18	40	56.3	26.4	0.36	9.00	0.07	6.10	0.46	99	43.7	53.6	2.6
MLV36	18	60	57.1	26.7	0.38	9.28	0.14	5.93	0.46	100	45.1	52.2	2.7
MLV36	18	79	56.1	27.1	0.46	9.11	0.02	6.05	0.35	99	44.5	53.5	2.0
MLV36	18	100	57.1	26.7	0.48	9.15	0.01	6.17	0.50	100	43.7	53.4	2.8
MLV36	18	120	57.9	26.0	0.34	8.88	0.04	6.34	0.50	100	42.4	54.8	2.8

MLV36	18	140	56.7	26.8	0.32	9.28	0.22	6.08	0.51	100	44.4	52.7	2.9
MLV36	18	160	57.8	26.0	0.35	8.95	0.05	6.37	0.55	100	42.4	54.6	3.1
MLV36	18	180	58.1	26.2	0.30	8.80	0.34	6.34	0.41	101	42.4	55.3	2.4
MLV36	18	200	57.9	26.3	0.30	8.21	0.16	6.41	0.55	100	40.1	56.7	3.2
MLV36	18	220	57.1	26.9	0.34	8.94	0.10	6.24	0.46	100	43.0	54.3	2.6
MLV36	18	260	57.8	26.1	0.28	8.69	0.03	6.29	0.50	100	42.0	55.1	2.9
MLV36	18	280	56.9	26.8	0.31	8.59	0.05	6.21	0.59	100	41.8	54.7	3.4
MLV36	18	301	57.4	26.9	0.35	9.16	0.03	6.15	0.49	100	43.9	53.3	2.8
MLV36	18	320	56.7	26.4	0.25	8.79	0.05	6.28	0.55	99	42.3	54.6	3.2
MLV36	18	340	56.9	26.8	0.31	8.98	0.14	5.98	0.43	99	44.2	53.2	2.5
MLV36	18	361	56.6	27.0	0.36	9.68	0.03	6.14	0.53	100	45.2	51.9	2.9
MLV36	18	380	57.8	26.7	0.31	8.80	0.04	6.25	0.45	100	42.6	54.8	2.6
MLV36	18	400	57.0	27.8	0.30	8.93	0.11	6.03	0.49	101	43.7	53.4	2.9
MLV36	18	421	56.8	27.0	0.25	9.18	0.08	5.92	0.49	100	44.8	52.3	2.9
MLV36	18	440	57.4	27.0	0.36	8.76	0.03	6.36	0.51	100	41.9	55.1	2.9
MLV36	18	461	58.7	25.9	0.33	8.09	0.08	6.63	0.47	100	39.2	58.1	2.7
MLV36	18	481	57.0	26.4	0.14	8.80	0.01	6.13	0.54	99	42.8	54.0	3.1
MLV36	19	31	58.6	25.2	0.28	7.70	0.01	6.84	0.51	99	37.2	59.9	2.9
MLV36	19	46	59.6	25.1	0.33	7.37	0.19	6.79	0.56	100	36.3	60.4	3.3
MLV36	19	62	59.1	25.0	0.20	7.57	0.07	6.77	0.64	99	36.8	59.5	3.7
MLV36	19	77	59.9	25.1	0.28	6.78	0.05	7.14	0.76	100	32.9	62.7	4.4
MLV36	19	94	58.6	25.1	0.20	7.88	0.05	6.80	0.59	99	37.7	58.9	3.4
MLV36	19	110	58.4	25.1	0.23	7.46	0.13	6.77	0.71	99	36.3	59.6	4.1
MLV36	19	125	58.6	25.6	0.35	7.60	0.04	6.53	0.61	99	37.7	58.7	3.6
MLV36	19	141	57.9	26.1	0.31	8.38	0.01	6.25	0.47	99	41.4	55.9	2.8
MLV36	19	156	57.6	26.7	0.28	8.38	0.06	6.28	0.55	100	41.1	55.7	3.2
MLV36	19	172	58.7	25.5	0.28	7.61	0.04	6.52	0.56	99	37.9	58.8	3.3
MLV36	19	187	56.8	26.2	0.29	9.16	0.07	6.25	0.40	99	43.7	54.0	2.3
MLV36	19	219	57.8	26.1	0.30	8.53	0.02	6.24	0.49	100	41.8	55.3	2.9
MLV36	19	234	58.4	25.4	0.36	7.91	0.15	6.42	0.53	99	39.2	57.6	3.1
MLV36	19	250	57.3	25.9	0.35	8.19	0.14	6.38	0.55	99	40.2	56.6	3.2
MLV36	19	266	58.1	27.2	0.33	8.67	0.18	6.31	0.44	101	42.1	55.4	2.5
MLV36	19	282	56.9	26.9	0.30	8.35	0.05	6.19	0.45	99	41.6	55.8	2.7
MLV36	19	298	57.7	26.0	0.27	8.23	0.03	6.47	0.62	99	39.8	56.6	3.6
MLV36	20	20	58.6	25.2	0.21	7.27	0.03	6.82	0.77	99	35.4	60.1	4.5
MLV36	20	40	59.0	25.1	0.17	7.81	0.08	6.65	0.67	100	37.8	58.3	3.9
MLV36	20	60	58.9	25.6	0.30	7.89	0.05	6.62	0.62	100	38.3	58.1	3.6
MLV36	20	80	59.0	25.9	0.20	8.24	0.04	6.39	0.60	100	40.2	56.3	3.5
MLV36	20	100	57.8	26.1	0.33	8.16	0.13	6.40	0.61	99	39.9	56.6	3.5
MLV36	20	120	58.1	25.8	0.32	8.31	0.02	6.52	0.52	100	40.1	56.9	3.0
MLV36	20	139	57.8	26.1	0.26	8.07	0.11	6.16	0.52	99	40.7	56.2	3.1
MLV36	20	160	57.7	26.1	0.34	8.55	0.09	6.49	0.50	100	40.9	56.2	2.9
MLV36	20	180	57.4	26.3	0.42	8.36	0.13	6.42	0.41	100	40.9	56.7	2.4
MLV36	20	200	58.0	26.0	0.32	8.71	0.11	6.22	0.47	100	42.5	54.8	2.7
MLV36	20	220	57.4	26.5	0.42	8.66	0.10	6.45	0.54	100	41.3	55.6	3.1
MLV36	20	239	57.2	26.6	0.38	8.91	0.02	6.19	0.39	100	43.3	54.5	2.2
MLV36	20	260	57.0	26.4	0.27	8.92	0.01	5.93	0.59	99	43.8	52.7	3.5
MLV36	20	279	56.8	26.2	0.39	9.03	0.06	6.01	0.46	99	44.1	53.2	2.7
MLV36	20	300	56.9	26.8	0.41	9.05	0.01	5.93	0.40	100	44.7	53.0	2.4
MLV36	20	319	56.9	26.8	0.29	8.60	0.08	6.07	0.48	99	42.7	54.5	2.8
MLV36	20	340	57.8	26.3	0.26	8.86	0.01	6.13	0.46	100	43.2	54.1	2.7
MLV36	20	379	57.5	26.2	0.41	8.67	0.01	6.09	0.53	99	42.7	54.2	3.1
MLV36	20	399	52.1	33.2	0.33	7.86	0.01	6.25	0.42	100	39.9	57.5	2.6
MLV36	20	419	57.4	26.2	0.32	9.19	0.04	6.23	0.41	100	43.9	53.8	2.3
MLV36	20	439	57.1	26.7	0.42	9.11	0.08	6.08	0.45	100	44.1	53.3	2.6
MLV36	20	459	57.4	25.6	0.41	9.17	0.08	6.12	0.48	99	44.0	53.2	2.7
MLV36	20	478	56.9	25.8	0.36	8.70	0.19	6.16	0.47	99	42.6	54.6	2.7
MLV36	21	0	58.0	25.9	0.39	8.47	0.12	6.49	0.41	100	40.9	56.7	2.3
MLV36	21	20	58.3	25.7	0.42	8.10	0.05	6.57	0.47	99	39.4	57.9	2.7
MLV36	21	40	58.0	26.1	0.37	8.57	0.08	6.53	0.57	100	40.7	56.1	3.2
MLV36	21	60	58.7	26.3	0.36	8.31	0.04	6.54	0.46	101	40.2	57.2	2.7
MLV36	21	120	58.4	25.6	0.49	7.78	0.18	6.40	0.61	99	38.7	57.7	3.6
MLV36	21	140	57.5	25.9	0.34	8.56	0.23	6.38	0.40	99	41.6	56.1	2.3
MLV36	21	160	57.6	26.1	0.39	8.42	0.12	6.23	0.56	99	41.4	55.4	3.3

MLV36	21	180	57.0	26.6	0.43	8.69	0.18	6.12	0.39	100	43.0	54.8	2.3
MLV36	21	200	57.8	26.1	0.37	8.72	0.00	6.28	0.57	100	42.0	54.7	3.3
MLV36	21	220	58.8	25.7	0.39	8.33	0.05	6.47	0.42	100	40.6	57.0	2.4
MLV36	21	240	58.1	25.2	0.38	8.57	0.13	6.53	0.38	99	41.1	56.7	2.2
MLV36	21	260	59.1	25.8	0.42	7.42	0.02	6.66	0.52	100	36.9	60.0	3.1
MLV36	21	280	58.8	25.4	0.34	7.22	0.10	6.64	0.52	99	36.4	60.5	3.1
MLV36	21	300	58.3	25.3	0.41	8.26	0.01	6.62	0.52	99	39.6	57.4	3.0
MLV36	21	340	58.6	25.5	0.35	8.24	0.01	6.43	0.44	100	40.4	57.0	2.6
MLV36	21	361	58.2	26.1	0.37	8.29	0.05	6.52	0.54	100	40.0	56.9	3.1
MLV36	21	381	58.1	26.2	0.33	7.98	0.14	6.33	0.45	100	39.9	57.4	2.7
MLV36	21	401	57.9	25.9	0.35	8.16	0.21	6.44	0.43	99	40.1	57.4	2.5
MLV36	21	421	58.0	25.9	0.27	8.25	0.05	6.56	0.40	100	40.0	57.6	2.3
MLV36	21	441	57.8	25.3	0.31	8.28	0.10	6.39	0.44	99	40.6	56.8	2.6
MLV36	21	461	58.2	25.9	0.37	7.84	0.06	6.42	0.56	99	39.0	57.7	3.3
MLV36	21	481	57.6	25.8	0.29	8.32	0.02	6.43	0.54	99	40.4	56.5	3.1
MLV37	1	0	57.1	26.9	0.46	10.08	0.01	5.90	0.38	101	47.5	50.3	2.1
MLV37	1	62	56.1	28.1	0.37	10.10	0.07	5.57	0.39	101	48.9	48.8	2.3
MLV37	1	93	57.3	27.1	0.31	9.10	0.01	5.99	0.49	100	44.4	52.8	2.9
MLV37	1	129	58.3	26.4	0.24	8.65	0.03	6.41	0.52	100	41.5	55.6	2.9
MLV37	1	155	57.2	27.3	0.24	9.45	0.09	5.95	0.43	101	45.6	51.9	2.5
MLV37	1	186	56.0	27.9	0.36	9.98	0.25	5.66	0.46	100	48.1	49.3	2.6
MLV37	1	217.	62.3	23.3	0.60	7.59	0.11	5.66	0.81	100	40.4	54.5	5.1
MLV37	1	248	55.3	27.8	0.24	10.72	0.01	5.17	0.36	100	52.3	45.6	2.1
MLV37	1	279	55.3	27.6	0.22	10.23	0.00	5.57	0.41	99	49.2	48.5	2.3
MLV37	1	312	56.6	27.2	0.21	9.97	0.07	5.67	0.37	100	48.2	49.7	2.1
MLV37	1	341	56.6	27.0	0.30	9.48	0.16	5.88	0.38	100	46.1	51.7	2.2
MLV37	1	372	57.2	27.0	0.21	9.26	0.11	5.90	0.50	100	45.1	52.0	2.9
MLV37	1	403	57.4	27.2	0.25	8.49	0.01	6.21	0.55	100	41.7	55.1	3.2
MLV37	1	434	57.1	26.3	0.35	9.01	0.02	5.81	0.46	99	44.9	52.4	2.7
MLV37	1	465	56.7	27.1	0.24	9.45	0.04	5.90	0.42	100	45.8	51.8	2.4
MLV37	1	496	55.6	27.8	0.29	10.28	0.06	5.36	0.37	100	50.4	47.5	2.1
MLV37	1	528	55.4	28.1	0.39	10.63	0.05	5.43	0.33	100	51.0	47.1	1.9
MLV37	1	558	56.1	27.9	0.37	10.48	0.09	5.29	0.30	100	51.4	46.9	1.7
MLV37	1	589	56.5	27.4	0.36	10.20	0.03	5.47	0.26	100	50.0	48.5	1.5
MLV37	1	621	55.6	27.2	0.32	10.31	0.02	5.43	0.35	99	50.2	47.8	2.1
MLV37	1	651	56.3	27.4	0.31	10.03	0.04	5.74	0.45	100	47.9	49.6	2.5
MLV37	1	682	57.3	26.7	0.31	9.29	0.05	5.82	0.31	100	46.0	52.2	1.8
MLV37	1	713	57.1	27.1	0.38	9.59	0.02	5.95	0.38	100	46.1	51.7	2.2
MLV37	1	743	56.7	26.1	0.46	9.23	0.06	6.01	0.41	99	44.8	52.8	2.4
MLV37	2	0	56.1	27.3	0.21	9.19	0.16	6.08	0.41	100	44.4	53.2	2.3
MLV37	2	23	56.6	27.0	0.28	9.94	0.08	5.72	0.42	100	47.8	49.8	2.4
MLV37	2	46	57.2	26.5	0.26	9.56	0.10	5.71	0.43	100	46.9	50.6	2.5
MLV37	2	69	57.1	26.0	0.36	8.49	0.07	6.18	0.53	99	41.8	55.1	3.1
MLV37	2	92	55.2	28.3	0.30	10.29	0.04	5.19	0.37	100	51.1	46.7	2.2
MLV37	2	116	54.3	28.5	0.33	11.09	0.03	4.89	0.31	100	54.6	43.5	1.8
MLV37	2	138	54.4	27.9	0.30	10.74	0.04	5.07	0.31	99	53.0	45.2	1.8
MLV37	2	162	57.6	26.3	0.25	8.70	0.21	6.34	0.49	100	41.9	55.3	2.8
MLV37	2	185	57.3	26.7	0.29	9.50	0.03	6.13	0.33	100	45.3	52.9	1.8
MLV37	3	0	58.9	26.4	0.38	8.40	0.09	6.16	0.57	101	41.5	55.1	3.3
MLV37	3	19	56.9	27.0	0.28	9.30	0.02	6.02	0.47	100	44.8	52.5	2.7
MLV37	3	39	59.0	25.6	0.35	8.07	0.03	6.38	0.49	100	40.0	57.1	2.9
MLV37	3	59	57.1	26.3	0.18	8.79	0.14	6.28	0.55	99	42.2	54.6	3.1
MLV37	3	79	56.8	27.4	0.33	9.84	0.04	5.66	0.49	101	47.6	49.6	2.8
MLV37	3	98	58.5	26.3	0.17	8.31	0.17	6.24	0.51	100	41.1	55.9	3.0
MLV37	3	118	55.9	27.1	0.31	9.52	0.06	5.73	0.33	99	47.0	51.1	1.9
MLV37	3	138	57.0	26.3	0.33	8.46	0.02	6.32	0.49	99	41.3	55.9	2.8
MLV37	3	157	58.4	25.9	0.37	7.94	0.07	6.50	0.60	100	38.9	57.6	3.5
MLV37	3	177	57.6	27.8	0.38	9.18	0.01	5.83	0.44	101	45.3	52.1	2.6
MLV37	3	197	56.1	27.0	0.29	9.74	0.06	5.96	0.32	99	46.6	51.6	1.8
MLV37	3	217	56.7	26.7	0.29	9.27	0.01	5.86	0.45	99	45.4	52.0	2.6
MLV37	3	236	57.0	26.1	0.30	9.40	0.06	5.81	0.39	99	46.1	51.6	2.3
MLV37	3	256	56.9	26.8	0.39	9.41	0.00	5.85	0.51	100	45.7	51.4	3.0
MLV37	3	276	57.2	26.3	0.30	9.03	0.09	6.11	0.41	100	43.9	53.7	2.4
MLV37	3	296	57.8	25.7	0.33	8.10	0.06	6.21	0.56	99	40.5	56.2	3.3

MLV37	4	0	58.9	26.0	0.28	7.66	0.18	6.53	0.49	100	38.2	58.9	2.9
MLV37	4	20	57.8	26.1	0.30	8.78	0.01	6.41	0.53	100	41.8	55.2	3.0
MLV37	4	41	56.4	26.7	0.45	9.13	0.09	5.80	0.39	99	45.4	52.3	2.3
MLV37	4	62	56.9	27.3	0.27	9.32	0.10	5.86	0.45	100	45.6	51.8	2.6
MLV37	4	82	56.8	26.2	0.28	9.41	0.06	5.76	0.45	99	46.2	51.2	2.6
MLV37	4	103	58.8	26.0	0.30	8.16	0.10	6.38	0.57	100	40.0	56.6	3.3
MLV37	4	125	57.4	26.7	0.23	9.34	0.30	5.93	0.44	100	45.3	52.1	2.6
MLV37	4	145	57.0	27.1	0.25	9.31	0.01	5.97	0.40	100	45.2	52.5	2.3
MLV37	4	166	56.2	26.8	0.36	9.98	0.12	5.67	0.47	99	48.0	49.3	2.7
MLV37	4	187	56.7	27.3	0.38	9.68	0.06	5.78	0.46	100	46.8	50.6	2.6
MLV37	4	207	57.2	27.2	0.43	9.72	0.05	5.84	0.46	101	46.7	50.7	2.6
MLV37	4	228	56.0	26.8	0.34	9.73	0.01	5.83	0.41	99	46.8	50.8	2.4
MLV37	4	249	56.2	26.3	0.39	9.58	0.08	6.10	0.43	99	45.4	52.2	2.4
MLV37	4	269	56.3	27.1	0.32	8.81	0.00	5.81	0.53	99	44.2	52.7	3.2
MLV37	4	290	58.0	25.7	0.35	8.42	0.09	6.31	0.57	99	41.0	55.7	3.3
MLV37	4	311	57.8	26.1	0.23	8.73	0.05	6.53	0.52	100	41.3	55.8	2.9
MLV37	5	13	58.1	25.4	0.32	8.31	0.20	6.23	0.59	99	41.0	55.6	3.5
MLV37	5	26	58.4	25.8	0.30	8.58	0.08	6.49	0.48	100	41.0	56.2	2.7
MLV37	5	40	59.8	24.6	0.23	7.32	0.06	6.99	0.73	100	35.1	60.7	4.2
MLV37	5	53	57.6	25.6	0.33	8.21	0.06	6.23	0.61	99	40.6	55.8	3.6
MLV37	5	66	57.8	26.9	0.26	9.09	0.03	6.20	0.45	101	43.6	53.8	2.6
MLV37	5	80	59.1	26.2	0.30	8.26	0.19	6.27	0.61	101	40.6	55.8	3.6
MLV37	5	94	57.4	27.7	0.34	9.24	0.09	5.75	0.50	101	45.6	51.4	2.9
MLV37	5	0	59.5	25.8	0.22	7.77	0.24	6.43	0.54	101	38.8	58.0	3.2
MLV37	5	22	59.2	26.0	0.31	8.33	0.02	6.39	0.67	101	40.3	55.9	3.8
MLV37	5	43	58.6	26.3	0.40	8.69	0.09	6.18	0.51	101	42.4	54.6	3.0
MLV37	5	65	59.2	26.2	0.32	9.11	0.17	6.41	0.60	102	42.5	54.2	3.3
MLV37	5	86	58.0	26.4	0.33	8.87	0.01	6.12	0.47	100	43.2	54.0	2.8
MLV37	5	107	58.5	26.9	0.33	8.73	0.11	6.30	0.52	102	42.1	55.0	3.0
MLV37	5	150	56.8	27.7	0.30	9.27	0.15	5.93	0.46	101	45.1	52.2	2.6
MLV37	5	172	58.4	26.3	0.45	9.05	0.03	6.18	0.45	101	43.6	53.9	2.6
MLV37	5	193	59.1	26.0	0.29	8.26	0.12	6.55	0.46	101	40.0	57.4	2.6
MLV37	5	214	58.4	26.0	0.21	8.15	0.10	6.46	0.53	100	39.8	57.1	3.1
MLV37	5	236	59.7	25.4	0.32	7.42	0.05	6.59	0.52	100	37.2	59.7	3.1
MLV37	5	279	59.5	25.9	0.25	8.00	0.03	6.57	0.58	101	38.9	57.8	3.4
MLV37	5	300	58.1	26.1	0.25	7.97	0.20	6.38	0.47	99	39.7	57.5	2.8
MLV37	5	321	56.4	27.6	0.26	9.42	0.02	5.79	0.51	100	45.9	51.1	2.9
MLV37	5	342	58.6	26.2	0.24	8.25	0.02	6.47	0.59	100	39.9	56.7	3.4
MLV37	5	386	57.2	27.0	0.27	9.21	0.06	6.05	0.50	100	44.4	52.7	2.9
MLV37	6	0	57.9	26.3	0.43	8.90	0.01	6.13	0.45	100	43.4	54.0	2.6
MLV37	6	25	58.4	26.9	0.39	8.98	0.03	6.08	0.55	101	43.5	53.3	3.2
MLV37	6	50	55.9	27.0	0.29	9.64	0.03	5.58	0.36	99	47.8	50.1	2.1
MLV37	6	75	56.6	27.8	0.40	10.03	0.08	5.58	0.35	101	48.9	49.1	2.0
MLV37	6	100	56.8	27.6	0.33	9.95	0.04	5.62	0.27	101	48.7	49.8	1.6
MLV37	6	124	56.4	27.9	0.28	10.29	0.04	5.43	0.34	101	50.1	47.9	1.9
MLV37	6	149	55.2	27.5	0.41	10.53	0.04	5.37	0.34	99	51.0	47.1	1.9
MLV37	6	174	56.4	27.5	0.26	10.62	0.09	5.40	0.33	100	51.1	47.0	1.9
MLV37	6	199	56.7	28.0	0.45	10.02	0.07	5.54	0.39	101	48.8	48.9	2.3
MLV37	6	223	56.3	27.6	0.35	10.37	0.07	5.30	0.40	100	50.7	46.9	2.3
MLV37	6	248	56.9	27.6	0.31	10.07	0.11	5.58	0.37	101	48.9	49.0	2.2
MLV37	6	274	56.8	27.4	0.40	9.73	0.08	5.58	0.44	100	47.8	49.6	2.6
MLV37	6	299	57.0	27.6	0.33	10.01	0.06	5.55	0.33	101	49.0	49.1	1.9
MLV37	6	348	57.5	27.0	0.35	9.40	0.02	6.19	0.45	101	44.5	53.0	2.5
MLV37	6	373	56.9	27.3	0.46	9.30	0.05	5.98	0.46	101	45.0	52.4	2.6
MLV37	6	398	56.7	27.5	0.39	9.58	0.10	5.66	0.48	100	47.0	50.2	2.8
MLV37	6	422	57.3	27.3	0.37	10.09	0.04	5.86	0.39	101	47.7	50.1	2.2
MLV37	6	447	56.2	27.7	0.36	9.60	0.10	5.64	0.45	100	47.2	50.1	2.6
MLV37	6	472	55.2	26.5	0.27	10.09	0.02	5.74	0.39	98	48.2	49.6	2.2
MLV37	6	497	56.7	27.4	0.37	10.03	0.01	5.79	0.34	101	48.0	50.1	1.9
MLV37	6	521	56.2	27.8	0.36	10.16	0.02	5.70	0.43	101	48.4	49.2	2.4
MLV37	6	546	56.6	27.5	0.49	10.19	0.04	5.70	0.42	101	48.5	49.1	2.4
MLV37	6	571	56.9	27.2	0.36	9.66	0.02	5.56	0.42	100	47.7	49.8	2.5
MLV37	6	596	56.2	27.8	0.35	9.90	0.04	5.77	0.36	100	47.7	50.3	2.1
MLV37	6	620	56.9	28.1	0.36	9.75	0.08	5.85	0.35	101	47.0	51.0	2.0

MLV37	7	0	66.7	19.3	0.63	4.89	0.09	5.60	1.85	99	28.4	58.9	12.8
MLV37	7	15	60.5	25.0	0.24	7.12	0.07	6.87	0.62	100	35.1	61.3	3.6
MLV37	7	31	59.8	24.5	0.24	7.12	0.07	6.92	0.70	99	34.8	61.2	4.1
MLV37	7	45	59.8	25.1	0.29	7.67	0.01	6.77	0.63	100	37.1	59.3	3.6
MLV37	7	61	56.7	26.6	0.21	9.33	0.18	6.09	0.42	99	44.8	52.8	2.4
MLV37	7	76	58.7	25.4	0.16	7.27	0.02	6.91	0.61	99	35.5	61.0	3.6
MLV37	7	90	58.1	26.3	0.30	8.53	0.05	6.45	0.44	100	41.1	56.3	2.5
MLV37	7	106	60.7	24.6	0.34	6.60	0.05	6.93	0.85	100	32.8	62.2	5.0
MLV37	7	122	59.4	25.5	0.20	7.25	0.00	6.70	0.55	100	36.2	60.5	3.3
MLV37	7	136	76.3	13.1	1.60	1.49	0.07	3.62	3.81	101	11.8	52.1	36.1
MLV37	7	151	57.5	26.4	0.35	8.57	0.05	6.06	0.50	99	42.6	54.5	2.9
MLV37	7	166	57.9	27.1	0.34	9.00	0.10	6.04	0.40	101	44.1	53.6	2.3
MLV37	7	181	57.4	26.3	0.31	8.58	0.24	6.56	0.50	100	40.8	56.4	2.8
MLV37	7	197	57.7	26.0	0.27	7.97	0.04	6.56	0.39	99	39.2	58.5	2.3
MLV37	7	212	58.0	26.5	0.12	8.74	0.16	6.32	0.57	100	41.9	54.8	3.2
MLV37	8	0	61.0	24.1	0.35	6.02	0.24	7.19	0.73	100	30.2	65.4	4.4
MLV37	8	14	57.6	25.6	0.26	8.37	0.03	6.30	0.51	99	41.1	55.9	3.0
MLV37	8	29	58.0	26.0	0.34	8.33	0.06	6.46	0.50	100	40.4	56.7	2.9
MLV37	8	44	56.6	27.3	0.30	9.76	0.09	5.62	0.47	100	47.6	49.6	2.7
MLV37	8	59	56.5	27.1	0.22	9.32	0.14	5.42	0.34	99	47.7	50.2	2.1
MLV37	8	73	55.5	27.8	0.34	10.43	0.05	5.59	0.38	100	49.7	48.2	2.1
MLV37	8	88	55.3	27.4	0.29	10.26	0.04	5.41	0.28	99	50.3	48.0	1.6
MLV37	8	104	54.5	27.6	0.20	11.18	0.20	5.06	0.25	99	54.2	44.4	1.4
MLV37	8	119	55.8	27.6	0.26	10.53	0.13	5.41	0.35	100	50.8	47.2	2.0
MLV37	8	133	53.9	28.5	0.25	10.72	0.08	5.06	0.27	99	53.1	45.3	1.6
MLV37	8	148	56.1	27.7	0.22	10.16	0.01	5.56	0.33	100	49.3	48.8	1.9
MLV37	8	177	55.2	27.6	0.26	10.09	0.06	5.36	0.41	99	49.7	47.9	2.4
MLV37	8	193	58.2	25.8	0.20	7.69	0.04	6.41	0.54	99	38.6	58.2	3.2
MLV37	9	0	57.1	26.3	0.30	9.10	0.17	5.98	0.44	100	44.5	52.9	2.5
MLV37	9	16	57.9	26.7	0.29	9.48	0.07	5.98	0.39	101	45.6	52.1	2.3
MLV37	9	47	56.5	27.4	0.36	9.36	0.03	6.02	0.38	100	45.2	52.6	2.2
MLV37	9	63	57.4	27.2	0.29	9.53	0.22	5.72	0.38	101	46.8	50.9	2.2
MLV37	9	78	58.8	26.1	0.22	8.18	0.12	6.45	0.55	101	39.9	57.0	3.2
MLV37	9	109	59.6	25.7	0.32	7.79	0.13	6.69	0.59	101	37.8	58.8	3.4
MLV37	9	125	59.2	25.2	0.29	7.71	0.04	6.66	0.56	100	37.7	59.0	3.2
MLV37	9	140	57.8	27.0	0.37	8.57	0.13	6.10	0.47	100	42.5	54.7	2.8
MLV37	10	0	57.0	27.2	0.49	9.35	0.14	5.83	0.46	100	45.7	51.6	2.7
MLV37	10	16	57.0	26.4	0.37	9.40	0.01	5.91	0.36	99	45.8	52.1	2.1
MLV37	10	46	55.8	27.4	0.36	10.07	0.04	5.48	0.34	100	49.4	48.6	2.0
MLV37	10	61	57.0	27.5	0.36	10.23	0.08	5.49	0.31	100	49.8	48.4	1.8
MLV37	10	76	55.1	27.5	0.40	9.95	0.08	5.30	0.31	99	50.0	48.2	1.8
MLV37	10	91	55.4	28.0	0.25	10.68	0.07	5.24	0.34	100	51.9	46.1	1.9
MLV37	10	106	55.9	27.8	0.22	10.49	0.06	5.40	0.35	100	50.8	47.3	2.0
MLV37	10	121	55.7	27.5	0.34	10.17	0.05	5.41	0.38	100	49.8	47.9	2.2
MLV37	10	152	57.1	27.2	0.23	8.71	0.06	6.00	0.39	100	43.5	54.2	2.3
MLV37	10	167	57.9	26.3	0.40	8.55	0.09	6.37	0.56	100	41.2	55.6	3.2
MLV37	10	182	57.7	26.4	0.28	8.92	0.03	6.17	0.46	100	43.2	54.1	2.7
MLV37	10	197	58.2	25.4	0.25	8.04	0.06	6.61	0.50	99	39.0	58.1	2.9
MLV37	10	212	58.6	25.9	0.24	9.06	0.18	6.41	0.58	101	42.4	54.3	3.2
MLV37	10	227	57.3	27.1	0.24	8.89	0.11	5.99	0.54	100	43.6	53.2	3.1
MLV37	10	242	59.4	25.9	0.34	7.73	0.14	6.78	0.59	101	37.3	59.3	3.4
MLV37	10	257	59.4	25.6	0.31	7.86	0.09	6.67	0.69	101	37.9	58.2	3.9
MLV37	11	0	60.1	24.9	0.34	7.18	0.04	6.96	0.79	100	34.7	60.8	4.5
MLV37	11	16	59.5	24.0	0.38	6.73	0.05	6.94	0.66	98	33.5	62.6	3.9
MLV37	11	32	59.1	25.3	0.33	7.54	0.05	6.86	0.60	100	36.5	60.1	3.4
MLV37	11	49	59.2	25.3	0.21	7.04	0.02	7.11	0.61	100	34.1	62.3	3.5
MLV37	11	64	60.8	24.4	0.21	6.72	0.11	7.04	0.80	100	32.9	62.4	4.7
MLV37	11	97	60.1	25.3	0.25	7.18	0.13	6.95	0.64	100	35.0	61.3	3.7
MLV37	11	113	58.1	26.1	0.24	7.88	0.06	6.46	0.60	100	38.9	57.6	3.5
MLV37	11	129	58.2	27.1	0.21	6.82	0.12	6.48	0.67	100	35.3	60.6	4.1
MLV37	11	145	60.1	25.0	0.39	7.03	0.12	6.98	0.76	100	34.2	61.4	4.4
MLV37	11	161	59.2	26.0	0.26	7.96	0.06	6.38	0.58	100	39.4	57.2	3.4
MLV37	11	177	59.4	26.0	0.25	7.94	0.07	6.71	0.57	101	38.3	58.5	3.2
MLV37	11	194	58.6	25.6	0.20	7.87	0.18	6.59	0.62	100	38.3	58.1	3.6

MLV37	11	210	60.2	25.4	0.29	6.97	0.05	7.00	0.78	101	33.9	61.6	4.5
MLV37	11	242	58.7	24.9	0.21	7.75	0.07	6.61	0.62	99	37.9	58.5	3.6
MLV37	11	258	58.7	25.4	0.26	7.69	0.11	6.73	0.59	100	37.4	59.2	3.4
MLV37	12	77	52.1	30.9	0.41	13.43	0.13	3.55	0.21	101	66.8	31.9	1.3
MLV37	12	93	46.8	33.5	0.38	17.60	0.07	1.65	0.09	100	85.1	14.4	0.5
MLV37	12	108	46.4	33.7	0.46	17.24	0.06	1.54	0.09	100	85.6	13.8	0.5
MLV37	12	139	46.4	34.4	0.44	17.81	0.07	1.68	0.11	101	84.9	14.5	0.6
MLV37	12	155	45.9	34.1	0.46	17.98	0.12	1.53	0.02	100	86.6	13.3	0.1
MLV37	12	186	45.9	33.5	0.43	17.85	0.13	1.28	0.06	99	88.2	11.5	0.4
MLV37	12	216	46.6	34.1	0.47	17.31	0.11	1.59	0.08	100	85.4	14.2	0.4
MLV37	12	232	45.4	33.8	0.48	17.60	0.11	1.35	0.05	99	87.5	12.2	0.3
MLV37	12	247	46.5	34.1	0.44	17.61	0.02	1.52	0.04	100	86.3	13.5	0.2
MLV37	12	278	46.4	33.4	0.38	17.30	0.04	1.81	0.04	99	83.9	15.9	0.2
MLV37	12	294	43.8	37.1	0.35	16.32	0.05	1.68	0.07	99	84.0	15.6	0.4
MLV37	12	309	46.3	33.4	0.31	17.19	0.12	1.65	0.06	99	84.9	14.7	0.3
MLV37	12	325	46.6	34.6	0.25	17.77	0.01	1.68	0.04	101	85.2	14.6	0.2
MLV37	12	356	52.3	30.6	0.33	12.81	0.11	4.06	0.20	100	62.8	36.0	1.2
MLV37	12	371	55.9	27.3	0.24	10.10	0.02	5.62	0.39	99	48.7	49.0	2.2
MLV37	12	387	56.8	27.1	0.38	9.70	0.07	5.64	0.39	100	47.6	50.1	2.3
MLV37	12	418	56.8	27.6	0.31	9.62	0.09	6.23	0.40	100	45.0	52.7	2.2
MLV37	12	433	57.1	27.0	0.39	9.95	0.08	5.79	0.39	101	47.6	50.1	2.2
MLV37	13	0	56.0	27.6	0.32	10.01	0.18	5.45	0.34	100	49.4	48.6	2.0
MLV37	13	17	57.4	27.3	0.25	9.70	0.05	5.41	0.45	100	48.4	48.9	2.7
MLV37	13	33	57.6	26.7	0.36	9.03	0.01	6.24	0.40	100	43.4	54.3	2.3
MLV37	13	49	56.0	28.0	0.38	9.68	0.11	5.47	0.37	100	48.3	49.4	2.2
MLV37	13	98	56.6	28.3	0.30	9.17	0.23	5.77	0.42	101	45.6	51.9	2.5
MLV37	13	114	58.4	26.1	0.33	8.91	0.02	6.30	0.59	101	42.4	54.3	3.3
MLV37	13	146	57.7	27.0	0.28	8.84	0.15	6.21	0.45	101	42.9	54.5	2.6
MLV37	13	163	57.9	27.0	0.37	9.08	0.05	5.98	0.52	101	44.2	52.7	3.0
MLV37	13	179	56.6	26.8	0.29	9.24	0.00	5.96	0.31	99	45.3	52.9	1.8
MLV37	13	211	57.2	26.8	0.21	8.46	0.01	6.15	0.55	99	41.8	55.0	3.2
MLV37	13	244	57.7	26.5	0.30	8.59	0.02	6.20	0.47	100	42.2	55.1	2.7
MLV37	13	260	58.3	26.4	0.27	8.58	0.15	6.40	0.57	100	41.2	55.6	3.3
MLV37	13	276	58.2	26.9	0.22	8.70	0.18	6.22	0.45	101	42.5	54.9	2.6
MLV37	13	292	58.4	26.5	0.31	9.00	0.11	6.06	0.45	101	43.9	53.5	2.6
MLV37	13	308	57.9	26.6	0.37	8.80	0.01	6.42	0.46	101	42.0	55.4	2.6
MLV37	14	0	57.8	27.2	0.26	9.22	0.06	5.93	0.40	101	45.1	52.6	2.3
MLV37	14	15	53.6	29.5	0.28	12.11	0.04	4.34	0.25	100	59.8	38.7	1.5
MLV37	14	30	55.8	29.7	0.29	7.97	0.01	6.17	0.48	100	40.5	56.6	2.9
MLV37	14	45	57.9	26.3	0.24	8.51	0.12	6.25	0.44	100	41.8	55.6	2.6
MLV37	14	60	60.2	25.0	0.41	7.77	0.04	6.42	0.54	100	38.8	58.0	3.2
MLV37	14	75	57.5	26.2	0.27	8.98	0.00	5.96	0.49	99	44.1	53.0	2.9
MLV37	14	90	58.9	26.1	0.34	7.95	0.12	6.42	0.47	100	39.5	57.7	2.8
MLV37	14	104	59.0	26.4	0.15	8.43	0.01	6.41	0.59	101	40.6	56.0	3.4
MLV37	14	119	59.5	26.0	0.27	7.35	0.10	6.83	0.57	101	36.0	60.6	3.3
MLV37	14	149	58.4	26.2	0.19	8.56	0.09	6.43	0.57	100	41.0	55.7	3.3
MLV37	14	179	58.2	25.8	0.34	8.18	0.00	6.17	0.51	99	41.0	56.0	3.0
MLV37	14	194	58.3	26.3	0.29	8.34	0.05	6.51	0.52	100	40.2	56.8	3.0
MLV37	14	208	57.3	27.2	0.31	9.82	0.05	5.81	0.32	101	47.4	50.8	1.8
MLV37	15	14	56.9	26.6	0.31	9.60	0.03	5.77	0.34	100	47.0	51.1	2.0
MLV37	15	44	58.0	26.1	0.37	8.62	0.05	6.16	0.46	100	42.4	54.9	2.7
MLV37	15	60	58.8	25.8	0.14	7.87	0.05	6.45	0.55	100	38.9	57.8	3.3
MLV37	15	74	57.4	27.0	0.29	9.11	0.02	6.14	0.41	100	44.0	53.7	2.4
MLV37	15	89	60.2	24.8	0.29	6.69	0.14	7.06	0.78	100	32.8	62.7	4.5
MLV37	15	120	55.1	28.6	0.36	10.72	0.01	4.99	0.30	100	53.3	44.9	1.8
MLV37	15	135	58.2	26.4	0.32	8.37	0.09	6.19	0.52	100	41.5	55.4	3.1
MLV37	16	0	58.5	26.1	0.23	8.32	0.07	6.34	0.49	100	40.8	56.3	2.9
MLV37	16	15	58.8	25.9	0.29	7.93	0.11	6.49	0.54	100	39.0	57.8	3.2
MLV37	16	30	59.0	25.9	0.31	8.11	0.04	6.47	0.52	100	39.7	57.3	3.0
MLV37	16	44	58.9	26.2	0.23	8.13	0.05	6.48	0.58	101	39.6	57.1	3.4
MLV37	16	59	58.5	26.0	0.27	8.29	0.23	6.64	0.40	100	39.9	57.8	2.3
MLV37	16	74	57.7	26.6	0.40	8.22	0.01	6.08	0.38	99	41.8	55.9	2.3
MLV37	16	89	57.6	25.9	0.56	8.29	0.15	6.39	0.61	100	40.3	56.2	3.5
MLV37	16	103	57.2	27.3	0.31	9.07	0.13	6.11	0.46	101	43.9	53.5	2.7

MLV37	16	148	59.3	26.0	0.36	7.64	0.04	6.62	0.62	101	37.5	58.9	3.6
MLV37	16	177	57.4	26.1	0.23	9.24	0.05	5.99	0.47	99	44.8	52.5	2.7
MLV37	16	192	57.9	26.5	0.45	8.60	0.00	6.35	0.55	100	41.5	55.4	3.2
MLV37	16	207	59.2	25.1	0.32	8.22	0.10	6.35	0.46	100	40.6	56.7	2.7
MLV37	16	221	59.4	26.0	0.33	7.99	0.01	6.39	0.53	101	39.6	57.3	3.1
MLV37	16	236	58.4	25.7	0.35	8.02	0.05	6.27	0.57	99	40.0	56.6	3.4
MLV37	16	251	57.8	26.4	0.33	8.56	0.09	6.34	0.59	100	41.3	55.3	3.4
MLV37	16	266	58.5	26.0	0.35	8.23	0.02	6.08	0.53	100	41.4	55.4	3.2
MLV37	16	281	58.9	26.0	0.28	8.31	0.03	6.41	0.47	100	40.6	56.7	2.7
MLV37	17	0	57.1	26.9	0.48	9.19	0.03	5.90	0.55	100	44.8	52.1	3.2
MLV37	17	16	56.9	26.8	0.42	8.88	0.05	6.20	0.54	100	42.8	54.0	3.1
MLV37	17	30	56.8	27.3	0.35	8.96	0.03	6.05	0.42	100	43.9	53.6	2.4
MLV37	17	45	56.6	27.1	0.43	9.59	0.11	6.01	0.39	100	45.8	51.9	2.2
MLV37	17	60	56.6	27.5	0.39	9.65	0.02	5.89	0.31	100	46.7	51.6	1.8
MLV37	17	75	56.5	26.9	0.32	9.31	0.18	5.85	0.44	100	45.6	51.8	2.5
MLV37	17	89	57.1	27.0	0.42	9.31	0.03	5.88	0.47	100	45.4	51.9	2.7
MLV37	17	105	56.6	27.3	0.44	9.56	0.09	5.81	0.36	100	46.6	51.3	2.1
MLV37	17	135	56.2	27.7	0.48	9.75	0.08	5.83	0.39	100	46.9	50.8	2.2
MLV37	17	149	55.6	26.7	0.25	9.53	0.11	5.99	0.50	99	45.4	51.7	2.8
MLV37	17	165	56.4	27.9	0.39	10.00	0.12	5.71	0.38	101	48.1	49.7	2.2
MLV37	17	179	57.2	27.8	0.37	9.78	0.00	5.93	0.50	102	46.4	50.8	2.8
MLV37	17	194	56.8	27.9	0.36	9.39	0.08	5.71	0.42	100	46.4	51.1	2.5
MLV37	17	209	51.9	31.3	0.27	11.50	0.00	4.52	0.21	100	57.7	41.1	1.3
MLV37	17	238	53.0	29.6	0.20	12.14	0.10	4.56	0.26	100	58.6	39.9	1.5
MLV37	17	253	52.9	30.3	0.42	12.52	0.13	4.38	0.26	101	60.3	38.2	1.5
MLV37	17	268	51.1	30.3	0.41	13.56	0.01	3.75	0.30	99	65.5	32.8	1.7
MLV37	17	283	51.9	30.6	0.42	13.19	0.03	4.19	0.14	100	63.0	36.2	0.8
MLV37	17	298	51.8	31.0	0.40	12.55	0.13	4.02	0.19	100	62.6	36.3	1.1
MLV37	17	328	49.8	31.1	0.41	14.73	0.11	3.47	0.08	100	69.8	29.7	0.5
MLV37	17	342	52.5	30.3	0.47	12.56	0.17	4.55	0.29	101	59.4	38.9	1.7
MLV37	17	358	53.2	29.0	0.39	12.11	0.19	4.49	0.21	100	59.1	39.7	1.2
MLV37	17	372	53.4	29.6	0.31	11.48	0.13	4.76	0.19	100	56.5	42.4	1.1
MLV37	17	387	53.7	28.8	0.49	11.21	0.12	4.89	0.24	99	55.1	43.5	1.4
MLV37	17	402	54.3	29.3	0.53	11.63	0.02	4.82	0.29	101	56.2	42.2	1.7
MLV37	17	417	52.8	29.1	0.43	11.63	0.03	4.65	0.25	99	57.2	41.4	1.4
MLV37	17	432	53.2	29.4	0.55	12.32	0.03	4.40	0.26	100	59.9	38.7	1.5
MLV37	17	462	56.5	27.7	0.51	9.39	0.05	5.89	0.38	100	45.8	52.0	2.2
MLV37	17	477	56.6	27.6	0.44	9.85	0.01	5.83	0.35	101	47.3	50.7	2.0
MLV37	17	491	56.5	27.7	0.45	9.72	0.12	5.74	0.47	101	47.1	50.3	2.7
MLV37	17	506	57.0	27.7	0.29	9.39	0.05	5.82	0.40	101	46.0	51.6	2.3
MLV37	18	0	59.7	25.4	0.36	7.52	0.27	6.90	0.56	101	36.4	60.4	3.2
MLV37	18	15	56.4	27.5	0.37	9.39	0.07	5.73	0.50	100	46.2	50.9	2.9
MLV37	18	58	49.0	32.1	0.45	15.14	0.16	2.74	0.07	100	75.0	24.6	0.4
MLV37	18	72	54.2	29.6	0.45	11.47	0.13	4.88	0.19	101	55.9	43.0	1.1
MLV37	18	87	56.5	27.7	0.43	9.56	0.11	5.95	0.37	100	46.0	51.8	2.1
MLV37	18	102	56.9	27.1	0.45	9.30	0.06	6.01	0.42	100	45.0	52.6	2.4
MLV37	18	116	55.7	27.0	0.48	9.48	0.08	5.89	0.44	99	45.9	51.6	2.6
MLV37	18	131	58.1	26.2	0.52	8.39	0.16	6.45	0.56	100	40.5	56.3	3.2
MLV37	19	0	57.4	26.5	0.67	9.05	0.17	6.30	0.49	101	43.0	54.2	2.8
MLV37	19	15	57.1	27.4	0.50	8.95	0.13	6.24	0.43	101	43.1	54.4	2.5
MLV37	19	30	57.9	27.3	0.52	9.19	0.06	6.11	0.40	102	44.3	53.4	2.3
MLV37	19	45	56.1	26.8	0.44	9.06	0.06	5.90	0.41	99	44.8	52.8	2.4
MLV37	19	60	57.0	27.3	0.37	8.83	0.07	6.16	0.48	100	43.0	54.3	2.8
MLV37	19	74	56.9	27.3	0.41	8.92	0.07	5.81	0.52	100	44.5	52.4	3.1
MLV37	19	90	56.5	27.1	0.48	9.48	0.08	5.98	0.46	100	45.5	51.9	2.6
MLV37	19	105	57.0	27.6	0.48	9.32	0.12	6.02	0.34	101	45.2	52.8	2.0
MLV37	19	121	57.0	27.0	0.51	9.02	0.14	6.04	0.49	100	43.9	53.2	2.8
MLV37	19	135	55.9	26.7	0.45	9.53	0.02	5.86	0.40	99	46.3	51.4	2.3
MLV37	19	150	55.0	27.6	0.45	10.10	0.15	5.73	0.35	99	48.3	49.6	2.0
MLV37	19	165	56.6	26.8	0.44	9.53	0.11	5.75	0.34	100	46.9	51.1	2.0
MLV37	19	180	56.5	27.0	0.33	9.84	0.05	5.91	0.48	100	46.6	50.7	2.7
MLV37	19	195	57.7	27.9	0.61	9.20	0.02	5.81	0.38	102	45.7	52.1	2.2
MLV37	19	210	56.2	26.9	0.52	9.82	0.14	5.65	0.51	100	47.6	49.5	2.9
MLV37	19	225	56.7	27.3	0.35	9.82	0.05	5.86	0.50	101	46.7	50.4	2.8

MLV37	19	240	55.3	27.7	0.28	10.05	0.08	5.65	0.34	99	48.6	49.4	2.0
MLV37	19	255	55.0	27.5	0.44	10.31	0.03	5.67	0.30	99	49.3	49.0	1.7
MLV37	19	269	55.2	27.9	0.43	9.45	0.09	5.67	0.26	99	47.2	51.3	1.6
MLV37	19	285	56.2	28.1	0.35	9.58	0.02	5.83	0.37	101	46.6	51.3	2.1
MLV37	19	300	55.9	27.4	0.36	9.65	0.01	5.90	0.36	100	46.5	51.4	2.1
MLV37	19	330	56.3	27.5	0.31	9.97	0.13	5.70	0.39	100	48.0	49.7	2.3
MLV37	19	345	55.9	27.6	0.38	9.85	0.11	5.90	0.34	100	47.1	51.0	1.9
MLV37	19	360	56.2	27.8	0.44	9.82	0.01	5.68	0.41	100	47.7	49.9	2.3
MLV37	19	375	55.4	28.0	0.39	10.06	0.09	5.67	0.42	100	48.3	49.3	2.4
MLV37	19	390	55.5	27.9	0.50	10.38	0.23	5.96	0.35	101	48.1	50.0	1.9
MLV37	19	405	55.5	27.5	0.43	9.89	0.15	5.63	0.36	100	48.2	49.7	2.1
MLV37	19	420	56.9	27.1	0.38	9.38	0.03	5.84	0.43	100	45.8	51.7	2.5
MLV37	19	435	56.3	26.4	0.40	9.54	0.00	6.02	0.35	99	45.8	52.3	2.0
MLV37	19	450	57.1	26.8	0.35	9.67	0.04	6.10	0.47	100	45.4	51.9	2.6
MLV37	19	465	56.8	27.5	0.43	9.66	0.00	5.90	0.45	101	46.3	51.2	2.5
MLV37	19	480	56.2	27.6	0.53	9.71	0.08	5.79	0.31	100	47.2	51.0	1.8
MLV37	19	495	57.2	27.2	0.34	9.28	0.14	6.01	0.44	100	44.9	52.6	2.5
MLV37	19	510	57.2	27.4	0.23	9.07	0.00	5.89	0.41	100	44.8	52.7	2.4
MLV37	19	525	56.8	26.7	0.42	9.50	0.10	6.10	0.44	100	45.1	52.4	2.5
MLV37	19	554	57.2	27.0	0.30	8.95	0.05	5.93	0.34	100	44.6	53.4	2.0
MLV37	19	570	57.4	27.1	0.44	9.41	0.09	6.14	0.38	101	44.9	53.0	2.1
MLV37	19	585	57.4	27.0	0.31	9.23	0.20	6.05	0.44	101	44.6	52.9	2.5
MLV37	19	601	57.5	27.1	0.32	9.16	0.13	5.97	0.43	101	44.8	52.8	2.5
MLV37	19	615	57.2	27.3	0.40	8.80	0.06	6.26	0.51	100	42.4	54.6	3.0
MLV37	19	630	57.8	26.7	0.34	8.70	0.14	6.38	0.49	101	41.7	55.5	2.8
MLV37	19	645	56.9	26.7	0.34	8.36	0.07	6.38	0.55	99	40.7	56.1	3.2
MLV37	19	660	58.3	26.9	0.20	8.63	0.20	6.36	0.56	100	41.5	55.3	3.2
MLV37	19	675	58.9	25.8	0.33	7.30	0.02	6.76	0.56	100	36.1	60.6	3.3
MLV37	20	0	57.7	26.6	0.29	8.00	0.10	6.39	0.56	100	39.6	57.1	3.3
MLV37	20	15	58.1	26.8	0.33	8.34	0.04	6.50	0.53	101	40.2	56.7	3.1
MLV37	20	29	57.1	26.7	0.20	8.56	0.03	6.09	0.46	99	42.5	54.8	2.7
MLV37	20	44	57.7	26.9	0.32	9.04	0.13	6.17	0.52	101	43.4	53.6	3.0
MLV37	20	59	56.6	27.4	0.25	9.51	0.07	5.81	0.41	100	46.4	51.3	2.4
MLV37	20	73	55.4	27.8	0.32	10.45	0.07	5.35	0.42	100	50.7	46.9	2.4
MLV37	20	88	56.3	28.0	0.35	9.50	0.12	5.69	0.40	100	46.9	50.8	2.3
MLV37	20	103	54.6	28.2	0.34	9.91	0.07	5.49	0.39	99	48.8	48.9	2.3
MLV37	20	118	56.3	27.4	0.34	9.38	0.09	5.94	0.40	100	45.5	52.1	2.3
MLV37	20	133	55.2	28.1	0.37	10.30	0.01	5.41	0.42	100	50.0	47.6	2.4
MLV37	20	147	56.8	27.6	0.31	9.82	0.14	5.79	0.40	101	47.3	50.5	2.3
MLV37	20	162	57.4	26.8	0.25	8.96	0.03	6.20	0.55	100	43.0	53.9	3.1
MLV37	20	177	58.1	26.2	0.30	8.57	0.01	6.39	0.59	100	41.1	55.5	3.4
MLV37	20	191	57.4	26.4	0.26	8.84	0.08	6.26	0.51	100	42.5	54.5	2.9
MLV37	20	207	57.0	27.1	0.26	9.83	0.12	6.01	0.51	101	46.1	51.0	2.8
MLV37	20	221	56.1	28.1	0.41	9.62	0.10	5.76	0.38	100	46.9	50.9	2.2
MLV37	20	236	55.6	27.7	0.29	10.03	0.13	5.62	0.36	100	48.6	49.3	2.0
MLV37	20	251	57.3	26.8	0.33	8.32	0.10	6.32	0.41	100	41.1	56.5	2.4
MLV37	20	265	55.4	28.0	0.23	10.04	0.03	5.45	0.32	100	49.5	48.6	1.9
MLV37	20	280	56.3	27.9	0.55	10.21	0.04	5.54	0.33	101	49.5	48.6	1.9
MLV37	20	295	56.6	27.2	0.31	10.10	0.07	5.38	0.45	100	49.6	47.8	2.6
MLV37	20	310	56.1	27.6	0.27	9.83	0.09	5.55	0.49	100	48.1	49.1	2.9
MLV37	20	325	56.5	27.6	0.33	9.86	0.12	5.70	0.39	101	47.7	50.0	2.3
MLV37	20	339	56.7	27.6	0.33	9.15	0.03	5.79	0.53	100	45.2	51.7	3.1
MLV37	20	354	56.6	27.4	0.39	9.44	0.12	5.79	0.42	100	46.2	51.3	2.4
MLV37	20	369	57.2	26.6	0.31	9.37	0.03	6.10	0.54	100	44.5	52.4	3.0
MLV37	20	383	57.5	26.6	0.44	8.56	0.15	6.33	0.50	100	41.5	55.6	2.9
MLV37	20	399	59.0	25.8	0.46	7.77	0.11	6.79	0.51	100	37.6	59.4	2.9
MLV37	21	0	55.6	27.8	0.30	10.57	0.01	5.42	0.26	100	51.1	47.4	1.5
MLV37	21	20	56.1	27.8	0.48	9.99	0.06	5.75	0.40	100	47.9	49.8	2.3
MLV37	21	30	56.4	27.9	0.35	9.90	0.01	5.61	0.42	101	48.2	49.4	2.4
MLV37	21	40	55.6	28.1	0.31	10.10	0.07	5.38	0.42	100	49.7	47.9	2.5
MLV37	21	50	55.3	28.5	0.40	10.26	0.06	5.66	0.24	101	49.3	49.3	1.4
MLV37	21	60	55.0	27.9	0.30	10.18	0.09	5.44	0.28	99	50.0	48.4	1.6
MLV37	21	70	56.1	28.1	0.33	10.20	0.01	5.49	0.37	101	49.6	48.3	2.1
MLV37	21	80	56.2	28.2	0.39	10.08	0.04	5.58	0.39	101	48.8	48.9	2.2

MLV37	21	90	55.5	27.9	0.38	10.22	0.07	5.70	0.46	100	48.5	48.9	2.6
MLV37	21	100	58.3	26.1	0.29	8.07	0.04	6.30	0.57	100	40.1	56.6	3.3
MLV37	21	110	56.6	28.1	0.35	9.89	0.03	5.54	0.25	101	48.9	49.6	1.5
MLV37	21	120	58.1	26.6	0.23	8.25	0.19	6.46	0.48	100	40.2	57.0	2.8
MLV37	21	130	57.1	26.9	0.17	9.42	0.05	5.93	0.49	100	45.5	51.7	2.8
MLV37	21	140	55.4	27.8	0.19	10.16	0.06	5.69	0.34	100	48.7	49.4	1.9
MLV37	21	150	55.6	28.6	0.30	10.30	0.14	5.55	0.36	101	49.6	48.3	2.1
MLV37	21	160	55.2	28.0	0.22	10.76	0.08	5.44	0.35	100	51.2	46.8	2.0
MLV37	21	170	55.8	27.8	0.28	10.41	0.15	5.54	0.32	100	50.0	48.1	1.8
MLV37	21	180	56.2	28.1	0.30	9.92	0.10	5.59	0.38	100	48.4	49.3	2.2
MLV37	21	191	56.5	28.5	0.28	9.83	0.13	5.51	0.34	101	48.7	49.4	2.0
MLV37	21	201	56.0	27.9	0.22	10.47	0.27	5.61	0.36	101	49.7	48.2	2.0
MLV37	21	211	55.6	27.9	0.23	10.20	0.10	5.46	0.40	100	49.6	48.0	2.3
MLV37	21	221	56.2	28.0	0.28	10.41	0.24	5.73	0.35	101	49.1	48.9	2.0
MLV37	21	241	58.3	25.7	0.26	8.41	0.28	6.21	0.59	100	41.3	55.2	3.5
MLV37	21	251	55.0	27.7	0.22	9.96	0.19	5.54	0.31	99	48.9	49.3	1.8
MLV37	21	261	55.3	28.1	0.30	10.05	0.06	5.58	0.34	100	48.9	49.1	1.9
MLV37	21	281	55.1	28.6	0.31	10.28	0.09	5.53	0.43	100	49.5	48.1	2.4
MLV37	21	291	55.1	28.6	0.43	10.04	0.02	5.45	0.34	100	49.5	48.6	2.0
MLV37	21	301	55.7	27.5	0.29	10.29	0.11	5.59	0.38	100	49.4	48.5	2.1
MLV37	21	321	55.8	27.9	0.32	9.83	0.15	5.56	0.38	100	48.3	49.5	2.2
MLV37	21	331	55.0	28.0	0.19	10.48	0.03	5.30	0.36	99	51.1	46.8	2.1
MLV37	21	351	54.9	28.0	0.32	10.60	0.01	5.46	0.39	100	50.6	47.2	2.2
MLV37	21	361	58.8	25.7	0.29	7.76	0.04	6.63	0.58	100	37.9	58.7	3.4
MLV37	21	372	58.0	26.4	0.38	8.33	0.01	6.23	0.41	100	41.5	56.1	2.4
MLV37	22	0	56.7	27.2	0.33	9.35	0.06	5.90	0.39	100	45.6	52.1	2.3
MLV37	22	14	55.5	27.8	0.29	10.61	0.00	5.59	0.42	100	50.0	47.6	2.4
MLV37	22	45	56.1	27.8	0.40	10.14	0.18	5.53	0.33	100	49.4	48.7	1.9
MLV37	22	75	55.7	27.8	0.35	10.31	0.01	5.68	0.32	100	49.2	49.0	1.8
MLV37	22	89	55.4	27.2	0.35	9.72	0.07	5.83	0.22	99	47.3	51.4	1.3
MLV37	22	105	56.1	27.7	0.49	9.76	0.01	5.71	0.38	100	47.5	50.3	2.2
MLV37	22	180	56.9	27.1	0.43	9.31	0.07	5.96	0.45	100	45.1	52.3	2.6
MLV37	22	194	57.8	26.8	0.27	9.15	0.06	6.09	0.56	101	43.9	52.9	3.2
MLV37	22	210	57.5	26.8	0.30	8.59	0.05	6.40	0.61	100	41.1	55.4	3.5
MLV37	22	225	58.1	26.4	0.31	8.53	0.04	6.49	0.46	100	41.0	56.4	2.6
MLV37	22	240	58.0	26.4	0.30	8.39	0.15	6.17	0.56	100	41.5	55.2	3.3
MLV37	22	255	57.2	28.6	0.38	7.81	0.29	6.01	0.51	101	40.5	56.4	3.1
MLV37	23	0	58.3	26.1	0.40	8.05	0.25	6.87	0.48	100	38.2	59.0	2.7
MLV37	23	16	58.2	26.6	0.39	8.73	0.09	6.51	0.57	100	41.2	55.6	3.2
MLV37	23	45	58.1	27.1	0.33	7.75	0.10	6.56	0.55	101	38.2	58.6	3.2
MLV37	23	61	57.3	27.3	0.45	9.06	0.05	5.94	0.47	101	44.5	52.8	2.8
MLV37	23	76	56.8	27.5	0.37	9.84	0.04	5.79	0.41	101	47.3	50.4	2.4
MLV37	23	91	56.3	27.7	0.29	10.29	0.02	5.60	0.40	101	49.2	48.5	2.3
MLV37	23	106	58.0	26.4	0.38	8.51	0.03	6.29	0.55	100	41.4	55.4	3.2
MLV37	23	122	55.9	28.2	0.31	9.85	0.08	5.59	0.38	100	48.3	49.5	2.2
MLV37	23	136	56.4	27.9	0.49	9.71	0.03	5.74	0.36	101	47.3	50.6	2.1
MLV37	23	152	56.2	27.8	0.20	9.83	0.06	5.38	0.33	100	49.2	48.8	2.0
MLV37	23	167	57.8	26.8	0.36	9.08	0.08	5.93	0.59	100	44.3	52.3	3.4
MLV37	23	181	60.1	25.2	0.33	7.15	0.06	7.22	0.68	101	34.0	62.1	3.8
MLV37	23	197	63.8	20.3	0.70	4.33	0.28	6.30	2.90	99	22.6	59.5	18.0
MLV37	23	227	57.9	26.0	0.40	8.58	0.02	6.21	0.49	100	42.1	55.1	2.8
MLV37	23	287	55.5	28.1	0.34	10.02	0.05	5.63	0.34	100	48.6	49.4	2.0
MLV37	23	317	57.1	26.5	0.47	8.67	0.20	5.94	0.49	99	43.4	53.7	2.9
MLV37	23	333	54.7	28.1	0.34	10.00	0.08	5.59	0.40	99	48.5	49.2	2.3
MLV37	23	348	56.0	27.9	0.28	10.27	0.04	5.66	0.36	101	49.0	48.9	2.1
MLV37	23	363	56.3	27.4	0.45	9.58	0.21	5.63	0.43	100	47.2	50.3	2.5
MLV37	23	378	57.3	27.3	0.38	9.09	0.16	6.02	0.43	101	44.3	53.1	2.5
MLV37	23	394	58.3	26.3	0.25	8.02	0.01	6.29	0.48	100	40.2	57.0	2.9
MLV37	23	408	58.6	25.7	0.43	7.93	0.04	6.62	0.64	100	38.4	57.9	3.7
MLV37	m1		62.6	23.0	0.26	5.16	0.23	7.67	1.02	100	25.5	68.5	6.0
MLV37	m2		62.5	23.5	0.27	5.23	0.23	7.63	0.91	100	26.0	68.6	5.4
MLV37	m3		63.6	23.3	0.26	4.80	0.39	7.68	1.22	100	23.8	69.0	7.2
MLV37	m4		63.5	23.1	0.11	5.03	0.22	7.74	1.09	101	24.7	68.9	6.4
MLV37	m5		62.7	23.3	0.26	5.19	0.10	7.65	1.10	100	25.5	68.1	6.4

MLV37	m6	62.4	23.8	0.42	5.76	0.10	7.36	0.85	101	28.7	66.3	5.1
MLV37	m7	62.6	23.5	0.27	5.00	0.14	7.71	0.91	100	24.9	69.6	5.4
MLV37	m8	61.6	24.1	0.28	5.91	0.38	7.64	0.99	101	28.2	66.1	5.7
MLV37	m9	62.3	23.7	0.27	5.27	0.08	8.08	0.94	101	25.1	69.6	5.3
MLV37	m10	62.1	22.8	0.26	4.81	0.38	7.61	1.17	99	24.1	69.0	7.0
MLV37	m11	62.0	24.0	0.29	5.58	0.13	7.59	0.87	100	27.4	67.5	5.1
MLV37	m12	63.0	23.0	0.44	5.93	0.06	6.98	0.91	100	30.2	64.3	5.5
MLV37	m13	61.3	24.4	0.35	6.26	0.04	7.27	0.81	100	30.7	64.6	4.7
MLV37	m14	60.5	24.0	0.50	6.80	0.26	7.09	0.71	100	33.2	62.7	4.1
MLV37	m15	61.9	23.9	0.34	6.36	0.01	6.87	0.67	100	32.5	63.5	4.1
MLV37	m16	60.2	24.3	0.38	7.19	0.17	6.80	0.77	100	35.2	60.3	4.5
MLV37	m17	57.0	27.2	0.28	8.65	0.07	5.96	0.49	100	43.2	53.9	2.9
MLV37	m18	60.8	24.5	0.36	7.08	0.00	7.06	0.69	101	34.3	61.8	3.9
MLV37	m19	63.4	22.6	0.27	4.45	0.31	7.94	1.47	100	21.6	69.9	8.5
MLV37	m20	60.7	23.9	0.21	5.80	0.31	7.51	1.06	99	28.1	65.8	6.1
MLV37	m21	61.4	24.2	0.32	6.28	0.26	7.48	0.81	101	30.2	65.1	4.6
MLV37	m22	62.2	24.4	0.53	5.84	0.21	7.21	0.81	101	29.4	65.7	4.8
MLV37	m23	65.5	21.2	0.52	4.20	0.39	7.40	1.34	101	21.9	69.8	8.3
MLV37	m24	62.0	24.1	0.22	5.33	0.27	7.40	0.92	100	26.9	67.6	5.5
MLV37	m25	67.3	19.7	0.78	4.70	0.15	5.92	1.27	100	27.8	63.3	8.9
MLV37	m26	61.8	23.2	0.25	5.32	0.01	7.64	0.93	99	26.3	68.3	5.5
MLV37	m27	59.7	25.1	0.37	7.15	0.04	6.85	0.61	100	35.2	61.2	3.6
MLV37	m28	60.8	23.8	0.31	5.80	0.18	7.53	0.86	99	28.4	66.6	5.0
MLV37	m29	62.0	22.9	0.49	5.47	0.32	7.28	0.73	99	28.0	67.5	4.5
MLV37	m30	61.6	24.1	0.21	6.02	0.15	7.41	0.90	100	29.4	65.4	5.2
MLV37	m31	63.1	22.6	0.33	5.42	0.19	7.49	0.85	100	27.1	67.8	5.1
MLV37	m32	61.0	23.8	0.44	6.57	0.07	7.56	1.14	101	30.4	63.3	6.3
MLV37	m33	63.1	22.8	0.33	5.38	0.27	7.42	0.84	100	27.1	67.8	5.0
MLV37	m34	62.4	23.7	0.30	5.04	0.13	7.78	1.30	101	24.4	68.1	7.5
MLV37	m35	61.8	24.3	0.39	5.96	0.06	7.37	0.78	101	29.5	65.9	4.6
MLV37	m36	62.0	23.5	0.31	6.22	0.09	7.48	0.80	101	30.0	65.4	4.6
MLV37	m37	62.4	22.7	0.21	4.57	0.16	7.92	1.30	99	22.4	70.1	7.6
MLV37	m38	64.6	21.2	0.42	4.88	0.20	7.35	0.94	100	25.3	68.9	5.8
MLV37	m39	60.8	24.3	0.36	6.51	0.10	7.25	0.81	100	31.6	63.7	4.7
MLV37	m40	62.3	23.6	0.32	5.44	0.02	7.50	0.96	100	27.0	67.4	5.6
MLV37	m41	59.9	23.5	0.38	5.82	0.27	7.28	1.07	98	28.7	65.0	6.3
MLV37	m42	61.2	24.3	0.38	6.15	0.30	7.33	1.05	101	29.8	64.2	6.0
MLV37	m43	62.8	23.5	0.32	5.53	0.08	7.54	1.09	101	27.0	66.6	6.4
MLV37	m44	63.0	23.6	0.32	5.18	0.12	7.51	1.13	101	25.7	67.6	6.7
MLV37	m45	62.3	24.0	0.25	5.83	0.12	7.48	0.94	101	28.5	66.1	5.5
MLV37	m46	61.7	23.2	0.23	5.13	0.08	7.57	1.05	99	25.5	68.2	6.2
MLV37	m47	63.8	22.1	0.23	4.66	0.11	7.89	1.16	100	22.9	70.3	6.8
MLV37	m48	61.9	24.1	0.47	5.76	0.22	7.52	0.85	101	28.3	66.8	4.9
MLV37	m49	64.7	21.8	0.33	3.64	0.40	7.95	2.12	101	17.7	70.0	12.3
MLV37	m50	61.1	24.5	0.40	6.66	0.18	6.94	0.70	101	33.2	62.6	4.2
MLV37	m51	61.9	24.3	0.34	6.14	0.19	7.40	0.89	101	29.8	65.1	5.1
MLV37	m52	62.0	23.5	0.27	5.77	0.15	7.31	0.90	100	28.8	65.9	5.3
MLV37	m53	62.4	24.1	0.21	5.97	0.12	7.53	0.81	101	29.0	66.3	4.7
MLV37	m54	62.5	23.5	0.32	5.25	0.10	7.71	0.97	100	25.8	68.5	5.7
MLV37	m55	65.6	21.1	0.53	4.49	0.21	7.02	1.46	100	23.7	67.1	9.2
MLV37	m56	62.1	23.2	0.33	4.98	0.30	7.93	1.16	100	24.0	69.3	6.7
MLV37	m57	60.5	24.8	0.36	6.39	0.13	7.05	0.71	100	32.0	63.8	4.2
MLV37	m58	62.6	23.8	0.20	5.48	0.20	7.71	1.05	101	26.5	67.4	6.0
MLV37	m59	62.4	23.0	0.24	4.91	0.29	7.60	1.17	100	24.5	68.6	6.9
MLV37	m60	60.5	24.6	0.37	6.32	0.27	7.07	0.84	100	31.4	63.6	5.0
MLV37	m61	61.0	24.7	0.35	6.81	0.10	6.94	0.64	101	33.8	62.4	3.8
MLV37	m62	62.6	23.3	0.26	5.35	0.21	7.54	0.97	100	26.6	67.7	5.7
MLV37	m63	61.0	24.6	0.41	6.38	0.14	7.14	0.84	101	31.4	63.7	4.9
MLV37	m64	62.4	23.1	0.28	5.81	0.07	7.75	0.82	100	27.9	67.4	4.7
MLV37	m65	62.7	23.6	0.26	5.48	0.22	7.23	1.04	101	27.7	66.1	6.3
MLV37	m66	62.8	23.7	0.42	5.00	0.02	7.66	0.85	100	25.2	69.7	5.1
MLV37	m67	63.6	23.2	0.37	5.31	0.11	7.79	0.72	101	26.2	69.6	4.2
MLV37	m68	63.7	22.8	0.31	4.55	0.21	7.73	1.27	100	22.7	69.8	7.5
MLV37	m69	62.6	23.7	0.33	5.43	0.36	7.57	1.04	101	26.7	67.2	6.1

MLV37	m70		61.4	23.5	0.43	5.73	0.27	7.20	0.92	100	28.9	65.6	5.5
MLV37	m71		62.1	23.0	0.79	4.93	0.10	7.49	0.90	100	25.2	69.3	5.5
MLV37	m72		62.0	24.1	0.26	5.26	0.21	7.55	0.79	100	26.5	68.8	4.7
MLV37	m73		62.2	24.1	0.37	5.99	0.03	7.28	0.76	101	29.8	65.6	4.5
MLV37	m74		61.7	24.5	0.32	6.35	0.14	7.30	0.72	101	31.1	64.7	4.2
MLV37	m75		61.4	24.4	0.45	5.89	0.31	7.71	0.82	101	28.3	67.0	4.7
MLV37	m76		62.1	23.8	0.40	5.76	0.13	7.18	0.80	100	29.2	65.9	4.8
MLV37	m77		61.0	24.9	0.36	6.50	0.08	7.06	0.57	101	32.6	64.0	3.4
MLV37	m78		61.0	24.5	0.30	6.66	0.23	7.15	0.62	100	32.8	63.6	3.6
MLV37	m79		64.6	22.4	0.23	4.02	0.20	7.88	1.35	101	20.2	71.7	8.1
MLV37	m80		62.4	23.4	0.39	5.66	0.15	7.31	0.90	100	28.3	66.3	5.4
MLV37	m81		64.0	22.8	0.26	4.43	0.33	7.88	0.91	101	22.4	72.1	5.5
MLV37	m82		62.3	23.8	0.32	5.51	0.26	7.43	1.02	101	27.3	66.7	6.0
MLV37	m83		63.4	22.9	0.15	4.91	0.29	6.79	0.98	99	26.8	66.9	6.4
MLV37	m84		64.8	22.1	0.35	4.20	0.28	7.91	1.27	101	21.0	71.5	7.6
MLV37	m85		62.8	23.3	0.31	5.41	0.03	7.53	0.79	100	27.1	68.2	4.7
MLV37	m86		61.7	24.0	0.46	5.51	0.04	7.68	0.84	100	27.0	68.1	4.9
MLV37	m87		62.1	23.8	0.23	5.76	0.27	7.45	0.94	100	28.3	66.2	5.5
MLV37	m88		62.3	24.2	0.42	5.51	0.11	7.03	0.92	101	28.5	65.8	5.7
MLV37	m89		60.9	24.8	0.40	6.11	0.20	7.17	0.85	100	30.4	64.6	5.0
MLV37	m90		63.2	23.0	0.26	4.66	0.23	7.63	1.16	100	23.5	69.5	7.0
MLV37	m91		61.7	24.0	0.43	6.42	0.13	7.17	0.90	101	31.4	63.4	5.2
MLV45	1	0	58.3	27.2	0.26	9.33	0.08	5.62	0.71	101	45.9	50.0	4.1
MLV45	1	12	58.0	27.3	0.26	8.87	0.16	6.44	0.45	101	42.1	55.3	2.6
MLV45	1	23	56.8	27.3	0.28	9.82	0.00	6.08	0.36	101	46.2	51.8	2.0
MLV45	1	35	55.4	28.4	0.28	10.33	0.05	5.20	0.27	100	51.5	46.9	1.6
MLV45	1	46	54.2	28.8	0.33	11.15	0.16	5.19	0.24	100	53.6	45.1	1.4
MLV45	1	58	48.9	32.0	0.36	15.11	0.03	2.89	0.08	99	73.9	25.6	0.5
MLV45	1	70	48.0	33.1	0.38	15.97	0.05	2.27	0.12	100	79.0	20.3	0.7
MLV45	1	81	48.8	32.3	0.40	15.89	0.14	2.55	0.14	100	76.9	22.4	0.8
MLV45	2	0	58.4	25.5	0.54	8.36	0.08	6.37	0.53	100	40.7	56.2	3.1
MLV45	2	15	56.3	27.5	0.28	9.62	0.01	6.08	0.31	100	45.9	52.4	1.7
MLV45	2	30	56.6	26.6	0.24	9.29	0.06	6.14	0.29	99	44.8	53.6	1.7
MLV45	2	44	56.4	27.3	0.29	9.20	0.06	6.06	0.34	100	44.7	53.3	2.0
MLV45	2	59	58.1	26.9	0.17	8.51	0.06	6.39	0.33	100	41.6	56.5	1.9
MLV45	2	74	58.0	26.3	0.19	8.71	0.01	6.61	0.36	100	41.3	56.7	2.0
MLV45	2	89	56.5	27.3	0.20	9.44	0.00	6.17	0.32	100	45.0	53.2	1.8
MLV45	2	104	56.9	27.0	0.16	9.71	0.05	6.13	0.31	100	45.9	52.4	1.8
MLV45	2	118	57.4	26.8	0.20	9.28	0.06	6.22	0.37	100	44.3	53.6	2.1
MLV45	2	133	58.4	27.2	0.23	8.87	0.05	6.00	0.31	101	44.1	54.0	1.9
MLV45	2	148	57.6	26.5	0.24	9.15	0.03	6.14	0.42	100	44.1	53.5	2.4
MLV45	2	163	57.5	27.0	0.28	9.35	0.02	6.04	0.38	101	45.1	52.7	2.2
MLV45	2	178	57.1	27.4	0.24	9.78	0.09	5.84	0.31	101	47.2	51.0	1.8
MLV45	2	192	55.4	26.8	0.20	9.44	0.10	5.97	0.31	98	45.8	52.4	1.8
MLV45	2	207	55.9	27.8	0.23	10.10	0.02	5.70	0.33	100	48.5	49.6	1.9
MLV45	2	222	56.2	27.8	0.31	9.88	0.09	5.66	0.26	100	48.3	50.2	1.5
MLV45	2	237	57.0	27.0	0.29	8.92	0.17	6.24	0.43	100	43.0	54.5	2.5
MLV45	2	252	56.8	27.2	0.25	9.46	0.10	6.10	0.27	100	45.5	53.0	1.5
MLV45	2	266	56.9	28.0	0.28	9.34	0.09	5.79	0.33	101	46.2	51.8	2.0
MLV45	2	281	55.8	28.0	0.27	9.89	0.12	5.55	0.25	100	48.9	49.6	1.5
MLV45	2	296	58.0	27.9	0.26	9.29	0.05	5.88	0.36	102	45.6	52.3	2.1
MLV45	2	311	57.1	27.3	0.18	9.52	0.05	6.05	0.33	100	45.6	52.5	1.9
MLV45	2	326	55.4	27.6	0.25	10.31	0.03	5.61	0.30	100	49.5	48.8	1.7
MLV45	3	0	53.1	29.6	0.49	11.54	0.03	4.75	0.11	100	56.9	42.4	0.6
MLV45	3	11	53.4	29.0	0.64	11.71	0.05	4.65	0.14	100	57.7	41.5	0.8
MLV45	3	22	51.0	30.4	0.45	13.34	0.01	3.84	0.06	99	65.5	34.1	0.3
MLV45	3	43	51.7	30.4	0.46	13.25	0.05	4.03	0.07	100	64.2	35.4	0.4
MLV45	3	54	51.7	30.8	0.48	13.65	0.10	3.93	0.06	101	65.5	34.2	0.3
MLV45	3	65	51.7	30.7	0.48	13.00	0.03	3.78	0.10	100	65.2	34.2	0.6
MLV45	3	76	51.7	30.8	0.57	13.52	0.04	4.12	0.07	101	64.2	35.4	0.4
MLV45	3	87	51.8	29.6	0.58	12.37	0.07	4.15	0.08	98	61.9	37.6	0.5
MLV45	3	98	52.5	29.3	0.64	12.55	0.09	4.22	0.08	99	61.9	37.7	0.5
MLV45	3	109	51.0	30.2	0.65	13.01	0.01	3.99	0.08	99	64.0	35.5	0.5
MLV45	3	119	52.4	29.7	0.68	12.54	0.11	3.99	0.10	99	63.1	36.3	0.6

MLV45	3	130	52.7	30.4	0.55	12.76	0.06	4.47	0.14	101	60.7	38.5	0.8
MLV45	3	141	52.8	30.0	0.56	12.94	0.05	4.06	0.12	101	63.3	36.0	0.7
MLV45	3	152	50.2	31.3	0.63	14.50	0.02	3.23	0.14	100	70.7	28.5	0.8
MLV45	3	163	52.2	30.0	0.68	12.67	0.01	4.11	0.07	100	62.7	36.8	0.4
MLV45	3	174	53.9	28.4	0.57	11.19	0.01	4.77	0.09	99	56.1	43.3	0.6
MLV45	3	184	56.8	27.8	0.55	9.98	0.11	5.73	0.23	101	48.4	50.3	1.3
MLV45	3	195	55.1	28.1	0.49	10.16	0.11	5.56	0.36	100	49.2	48.7	2.1
MLV45	4	30	57.6	27.1	0.43	9.11	0.11	6.34	0.44	101	43.2	54.4	2.5
MLV45	4	45	55.4	29.0	0.30	10.82	0.23	5.46	0.25	101	51.5	47.0	1.4
MLV45	4	60	54.0	29.6	0.27	11.74	0.15	5.00	0.25	101	55.7	42.9	1.4
MLV45	4	75	54.2	29.2	0.31	11.57	0.06	4.97	0.25	101	55.5	43.1	1.4
MLV45	4	90	55.9	27.6	0.31	9.72	0.15	5.64	0.38	100	47.7	50.1	2.2
MLV45	4	105	57.0	27.1	0.29	9.43	0.05	5.88	0.29	100	46.2	52.1	1.7
MLV45	4	120	55.7	28.1	0.29	10.00	0.06	5.55	0.28	100	49.1	49.3	1.6
MLV45	4	135	55.2	28.4	0.28	11.02	0.00	5.20	0.22	101	53.2	45.5	1.3
MLV45	4	149	53.2	28.6	0.25	11.06	0.00	4.78	0.30	98	55.1	43.1	1.8
MLV45	4	164	55.0	28.2	0.34	10.63	0.21	5.39	0.30	100	51.3	47.0	1.7
MLV45	4	179	57.2	27.1	0.23	9.12	0.08	6.09	0.34	100	44.4	53.6	2.0
MLV45	4	194	57.5	26.9	0.43	8.70	0.05	6.32	0.40	100	42.2	55.5	2.3
MLV45	4	209	58.4	26.9	0.24	7.91	0.05	6.38	0.36	100	39.8	58.1	2.2
MLV45	4	224	58.3	26.8	0.24	8.58	0.03	6.29	0.37	101	42.0	55.8	2.2
MLV45	4	239	57.8	26.7	0.28	8.75	0.07	6.18	0.43	100	42.8	54.7	2.5
MLV45	5	0	53.2	29.6	0.54	12.56	0.13	4.49	0.16	101	60.2	38.9	0.9
MLV45	5	20	53.5	29.5	0.62	12.43	0.03	4.41	0.19	101	60.2	38.7	1.1
MLV45	5	40	53.4	30.4	0.44	12.44	0.03	4.47	0.17	101	60.0	39.0	1.0
MLV45	5	60	52.2	30.1	0.41	12.45	0.00	4.31	0.15	100	61.0	38.2	0.9
MLV45	5	80	51.9	29.8	0.56	12.50	0.00	4.23	0.14	99	61.5	37.6	0.8
MLV45	5	101	52.6	29.6	0.52	12.01	0.00	4.44	0.20	100	59.2	39.6	1.2
MLV45	5	121	52.3	28.9	0.53	12.50	0.01	4.57	0.18	99	59.5	39.4	1.0
MLV45	5	141	53.8	29.4	0.49	12.05	0.05	4.76	0.16	101	57.8	41.3	0.9
MLV45	5	161	51.0	30.6	0.43	13.91	0.00	3.81	0.13	100	66.4	32.9	0.8
MLV45	5	181	53.1	30.1	0.66	12.43	0.02	4.32	0.16	101	60.8	38.3	0.9
MLV45	5	201	52.8	29.2	0.50	12.03	0.08	4.57	0.11	99	58.9	40.5	0.6
MLV45	5	241	52.0	29.6	0.44	12.51	0.00	4.36	0.14	99	60.8	38.3	0.8
MLV45	5	262	52.7	29.6	0.54	12.25	0.02	4.20	0.19	100	61.0	37.8	1.1
MLV45	5	282	53.3	29.3	0.52	11.80	0.03	4.56	0.20	100	58.2	40.6	1.2
MLV45	5	302	53.1	29.7	0.51	12.07	0.03	4.41	0.13	100	59.7	39.5	0.8
MLV45	5	322	53.3	28.9	0.57	11.43	0.05	4.59	0.15	99	57.4	41.7	0.9
MLV45	5	342	53.6	28.8	0.49	11.84	0.02	4.82	0.14	100	57.1	42.1	0.8
MLV45	5	362	53.5	29.5	0.54	11.62	0.14	4.45	0.14	100	58.6	40.6	0.9
MLV45	5	382	54.2	29.1	0.55	12.17	0.00	4.85	0.13	101	57.7	41.6	0.8
MLV45	5	402	54.6	29.3	0.56	11.48	0.13	4.65	0.13	101	57.3	42.0	0.8
MLV45	5	423	54.0	29.1	0.63	11.54	0.03	4.92	0.14	100	56.0	43.2	0.8
MLV45	5	443	54.1	28.9	0.48	11.49	0.10	4.81	0.17	100	56.3	42.7	1.0
MLV45	5	463	53.4	28.8	0.60	11.96	0.13	4.56	0.11	100	58.8	40.5	0.7
MLV45	5	483	53.9	29.0	0.53	11.80	0.13	4.71	0.10	100	57.7	41.7	0.6
MLV45	5	503	53.0	29.4	0.46	11.82	0.14	4.60	0.16	100	58.1	41.0	0.9
MLV45	5	523	51.8	30.8	0.50	13.15	0.03	3.93	0.08	100	64.6	34.9	0.5
MLV45	6	0	58.5	27.3	0.30	8.79	0.10	6.15	0.42	101	43.0	54.5	2.4
MLV45	6	10	57.6	26.5	0.30	8.65	0.00	6.32	0.34	100	42.2	55.8	2.0
MLV45	6	21	57.6	26.9	0.33	8.37	0.06	6.35	0.39	100	41.2	56.5	2.3
MLV45	6	31	58.3	26.5	0.36	8.35	0.05	6.54	0.40	101	40.4	57.3	2.3
MLV45	6	41	57.8	26.9	0.23	8.92	0.03	6.16	0.35	100	43.5	54.4	2.0
MLV45	6	52	57.8	27.1	0.28	8.62	0.03	6.40	0.37	100	41.8	56.1	2.1
MLV45	6	62	57.1	26.8	0.17	8.82	0.06	6.12	0.32	99	43.5	54.6	1.9
MLV45	6	73	56.0	27.1	0.37	8.89	0.02	5.83	0.38	98	44.7	53.0	2.3
MLV45	6	83	54.6	28.7	0.24	11.34	0.00	5.03	0.25	100	54.7	43.9	1.4
MLV45	6	93	55.6	28.3	0.30	10.00	0.08	5.65	0.38	100	48.4	49.4	2.2
MLV45	6	104	54.0	29.4	0.26	12.07	0.12	5.04	0.28	101	56.1	42.4	1.5
MLV45	6	114	53.5	29.1	0.22	11.47	0.12	4.87	0.23	99	55.8	42.9	1.3
MLV45	6	124	56.4	27.9	0.17	9.69	0.04	5.67	0.34	100	47.6	50.4	2.0
MLV45	6	135	55.6	28.5	0.25	10.13	0.02	5.57	0.35	100	49.1	48.9	2.0
MLV45	6	145	55.3	28.1	0.28	10.64	0.10	5.61	0.35	100	50.2	47.8	2.0
MLV45	6	156	54.9	28.7	0.33	11.26	0.02	5.05	0.28	100	54.3	44.1	1.6

MLV45	6	166	54.0	29.0	0.19	11.07	0.05	5.01	0.24	99	54.2	44.4	1.4
MLV45	6	176	55.4	29.1	0.26	10.71	0.10	5.10	0.21	101	53.1	45.7	1.2
MLV45	6	187	56.3	28.4	0.24	10.12	0.21	5.45	0.25	101	49.9	48.6	1.5
MLV45	6	197	55.4	28.5	0.27	10.63	0.09	5.48	0.24	101	51.0	47.6	1.4
MLV45	7	15	57.3	26.3	0.36	8.35	0.19	6.33	0.42	99	41.1	56.4	2.5
MLV45	7	31	58.1	26.3	0.46	7.79	0.18	6.56	0.53	100	38.4	58.5	3.1
MLV45	7	46	58.6	26.4	0.42	7.80	0.26	6.50	0.52	101	38.7	58.3	3.1
MLV45	7	61	57.9	26.0	0.52	8.07	0.08	6.36	0.45	100	40.1	57.2	2.7
MLV45	7	77	57.9	26.4	0.38	8.42	0.03	6.16	0.47	100	41.8	55.4	2.8
MLV45	7	92	55.9	26.4	0.45	9.12	0.21	6.07	0.42	99	44.2	53.3	2.4
MLV45	7	107	57.4	26.0	0.33	8.06	0.14	6.37	0.51	99	39.9	57.1	3.0
MLV45	7	123	58.4	26.4	0.34	8.17	0.19	6.41	0.52	101	40.1	56.9	3.0
MLV45	7	138	59.0	26.0	0.40	7.27	0.29	6.78	0.65	101	35.8	60.4	3.8
MLV45	7	153	60.4	25.8	0.44	7.11	0.17	6.98	0.64	102	34.7	61.6	3.7
MLV45	7	169	56.0	28.0	0.32	9.70	0.08	5.52	0.39	100	48.1	49.6	2.3
MLV45	7	184	56.9	27.2	0.33	9.49	0.14	5.74	0.34	100	46.8	51.2	2.0
MLV45	8	0	53.7	29.1	0.29	11.17	0.06	4.91	0.23	99	54.9	43.7	1.3
MLV45	8	16	54.6	28.7	0.32	10.66	0.08	4.90	0.24	100	53.8	44.7	1.5
MLV45	8	31	54.5	28.6	0.21	10.58	0.06	5.03	0.29	99	52.8	45.5	1.7
MLV45	8	46	54.8	28.3	0.27	10.78	0.00	5.33	0.23	100	52.1	46.6	1.3
MLV45	8	62	54.6	28.1	0.36	10.43	0.08	5.20	0.23	99	51.8	46.8	1.4
MLV45	8	77	54.3	28.5	0.25	11.01	0.01	5.31	0.27	100	52.6	45.9	1.5
MLV45	8	93	55.4	28.4	0.29	10.20	0.09	5.52	0.32	100	49.6	48.6	1.9
MLV45	8	108	55.4	27.7	0.29	9.55	0.03	5.58	0.33	99	47.7	50.4	1.9
MLV45	8	124	56.1	27.8	0.25	9.69	0.07	5.49	0.41	100	48.2	49.4	2.4
MLV45	8	139	55.6	29.2	0.21	10.63	0.02	5.30	0.31	101	51.6	46.6	1.8
MLV45	8	155	54.7	28.4	0.37	10.43	0.07	5.11	0.30	99	52.1	46.2	1.8
MLV45	8	170	54.4	28.7	0.29	11.09	0.06	5.06	0.35	100	53.7	44.4	2.0
MLV45	8	186	53.2	29.5	0.28	11.69	0.04	4.52	0.25	100	58.0	40.5	1.5
MLV45	8	201	55.0	28.5	0.30	10.54	0.12	5.23	0.21	100	52.1	46.7	1.2
MLV45	8	217	55.4	28.3	0.28	10.64	0.04	5.36	0.34	100	51.3	46.8	2.0
MLV45	8	232	56.9	26.8	0.26	9.48	0.04	5.92	0.43	100	45.8	51.7	2.5
MLV45	8	247	57.9	26.3	0.29	8.26	0.04	6.34	0.59	100	40.4	56.1	3.4
MLV45	8	263	57.8	26.0	0.15	7.91	0.10	6.59	0.45	99	38.8	58.5	2.6
MLV45	8	278	57.8	26.3	0.08	8.45	0.04	6.32	0.44	99	41.4	56.0	2.6
MLV45	8	294	56.1	27.3	0.23	9.07	0.11	5.85	0.29	99	45.3	53.0	1.7
MLV45	9	20	56.1	27.4	0.29	9.49	0.07	5.64	0.24	99	47.5	51.1	1.4
MLV45	9	41	55.3	27.4	0.29	10.07	0.03	5.49	0.20	99	49.7	49.1	1.2
MLV45	9	61	56.9	26.3	0.15	8.43	0.07	6.34	0.42	98	41.3	56.2	2.5
MLV45	9	81	56.3	27.3	0.27	9.92	0.10	5.70	0.29	100	48.2	50.1	1.7
MLV45	9	101	58.2	26.2	0.20	7.65	0.01	6.59	0.46	99	38.0	59.3	2.7
MLV45	9	122	58.5	26.5	0.16	8.60	0.04	6.41	0.43	101	41.5	56.0	2.5
MLV45	9	142	56.9	26.9	0.22	9.38	0.08	6.10	0.39	100	44.9	52.9	2.2
MLV45	9	162	56.4	27.4	0.21	9.78	0.11	5.68	0.36	100	47.8	50.2	2.1
MLV45	9	183	54.2	29.5	0.24	11.29	0.08	4.98	0.23	100	54.8	43.8	1.3
MLV45	9	203	54.0	29.0	0.19	11.41	0.16	4.76	0.20	100	56.3	42.5	1.2
MLV45	9	223	54.7	28.6	0.25	10.35	0.05	5.13	0.32	99	51.7	46.4	1.9
MLV45	9	244	55.0	28.8	0.25	11.40	0.08	5.21	0.30	101	53.8	44.5	1.7
MLV45	9	264	55.2	28.1	0.39	10.46	0.15	5.72	0.32	100	49.3	48.9	1.8
MLV45	9	284	55.8	28.4	0.23	10.50	0.13	5.41	0.35	101	50.7	47.3	2.0
MLV45	9	304	56.7	27.3	0.22	9.40	0.10	5.91	0.35	100	45.8	52.1	2.0
MLV45	9	325	56.6	27.5	0.15	9.71	0.07	5.74	0.33	100	47.4	50.7	1.9
MLV45	9	345	56.5	27.5	0.25	10.09	0.10	5.69	0.28	100	48.7	49.7	1.6
MLV45	9	365	55.2	28.3	0.28	10.20	0.10	5.50	0.29	100	49.7	48.6	1.7
MLV45	9	386	55.5	27.3	0.35	9.98	0.26	5.75	0.29	99	48.2	50.2	1.7
MLV45	9	406	56.3	27.9	0.34	9.79	0.05	5.65	0.22	100	48.3	50.4	1.3
MLV45	9	426	56.2	28.4	0.24	10.45	0.04	5.39	0.25	101	51.0	47.6	1.4
MLV45	9	447	55.1	28.0	0.21	10.68	0.08	5.25	0.21	99	52.3	46.5	1.2
MLV45	9	467	54.6	28.4	0.23	10.18	0.12	5.30	0.22	99	50.8	47.9	1.3
MLV45	9	487	55.2	28.4	0.20	10.80	0.03	5.24	0.28	100	52.4	46.0	1.6
MLV45	9	507	55.6	28.6	0.24	10.50	0.01	5.22	0.19	100	52.0	46.8	1.1
MLV45	9	528	53.5	29.5	0.19	11.42	0.07	4.88	0.19	100	55.8	43.1	1.1
MLV45	9	548	52.8	29.3	0.35	12.74	0.11	4.27	0.15	100	61.7	37.4	0.9
MLV45	9	568	53.1	30.2	0.29	12.61	0.04	4.28	0.18	101	61.3	37.6	1.1

MLV45	9	589	57.2	26.4	0.24	9.02	0.00	6.23	0.47	100	43.3	54.1	2.7
MLV45	10	15	46.0	33.0	0.72	17.18	0.16	1.79	0.01	99	84.1	15.8	0.1
MLV45	10	31	45.7	33.8	0.59	17.30	0.00	1.49	0.02	99	86.4	13.4	0.1
MLV45	10	46	46.3	34.8	0.74	17.76	0.02	1.34	0.02	101	88.1	12.0	0.1
MLV45	10	61	45.5	34.2	0.68	17.03	0.08	1.41	0.05	99	86.7	13.0	0.3
MLV45	10	77	46.4	33.7	0.69	17.23	0.08	1.46	0.04	100	86.5	13.3	0.2
MLV45	10	92	46.7	33.4	0.65	17.01	0.03	1.67	0.00	100	85.0	15.1	0.0
MLV45	10	107	45.0	33.8	0.57	17.81	0.04	1.30	0.08	99	87.9	11.6	0.5
MLV45	10	123	45.8	34.1	0.70	17.22	0.06	1.53	0.07	99	85.8	13.8	0.4
MLV45	10	138	45.6	34.4	0.70	17.36	0.00	1.46	0.03	100	86.6	13.2	0.2
MLV45	10	153	46.6	33.9	0.73	17.22	0.03	1.55	0.05	100	85.7	14.0	0.3
MLV45	10	169	45.7	34.5	0.69	17.80	0.06	1.45	0.01	100	87.1	12.8	0.1
MLV45	10	184	46.1	33.9	0.73	17.37	0.06	1.60	0.03	100	85.5	14.3	0.2
MLV45	10	199	46.4	32.8	0.75	17.31	0.07	1.97	0.05	99	82.6	17.1	0.3
MLV45	10	214	46.1	34.2	0.71	16.53	0.06	1.83	0.08	99	82.9	16.6	0.5
MLV45	11	0	56.7	27.7	0.50	10.19	0.03	6.05	0.34	102	47.3	50.8	1.9
MLV45	11	16	56.7	28.7	0.52	10.15	0.00	5.79	0.20	102	48.7	50.2	1.2
MLV45	11	31	53.7	29.2	0.57	11.31	0.06	4.83	0.17	100	55.8	43.2	1.0
MLV45	11	47	54.9	28.8	0.65	11.03	0.01	4.95	0.16	101	54.7	44.4	1.0
MLV45	11	63	54.3	29.1	0.62	11.40	0.01	4.97	0.21	101	55.2	43.6	1.2
MLV45	11	79	53.8	28.9	0.62	11.63	0.08	4.75	0.18	100	56.9	42.1	1.1
MLV45	11	94	53.2	29.3	0.62	12.01	0.02	4.59	0.08	100	58.9	40.7	0.5
MLV45	11	110	53.4	29.7	0.78	11.86	0.04	4.57	0.12	101	58.5	40.8	0.7
MLV45	11	126	52.8	28.9	0.56	11.56	0.06	4.38	0.07	98	59.1	40.5	0.4
MLV45	11	141	53.1	29.5	0.64	12.29	0.01	4.27	0.11	100	61.0	38.3	0.6
MLV45	11	157	53.2	30.0	0.70	12.85	0.04	4.27	0.15	101	61.9	37.2	0.8
MLV45	11	173	51.0	29.0	0.74	12.07	0.06	4.31	0.15	97	60.2	38.9	0.9
MLV45	11	189	53.3	29.0	0.61	12.05	0.07	4.57	0.19	100	58.7	40.3	1.1
MLV45	11	204	52.8	29.8	0.59	12.16	0.06	4.59	0.18	100	58.8	40.2	1.0
MLV45	11	220	53.9	29.4	0.57	12.53	0.06	4.66	0.21	101	59.1	39.8	1.2
MLV45	12	0	55.3	28.2	0.47	10.15	0.08	5.38	0.39	100	49.9	47.9	2.3
MLV45	12	15	55.9	27.8	0.42	9.77	0.03	5.57	0.32	100	48.3	49.8	1.9
MLV45	12	29	56.2	27.6	0.26	9.91	0.02	5.80	0.39	100	47.5	50.3	2.2
MLV45	12	44	55.6	27.9	0.31	9.71	0.01	5.75	0.41	100	47.1	50.5	2.3
MLV45	12	58	56.5	27.0	0.38	9.97	0.04	5.60	0.28	100	48.8	49.6	1.6
MLV45	12	73	55.1	26.9	0.25	9.67	0.03	5.45	0.27	98	48.7	49.7	1.6
MLV45	12	87	56.6	27.5	0.34	9.29	0.01	5.82	0.41	100	45.7	51.8	2.4
MLV45	12	102	55.7	28.0	0.21	9.83	0.09	5.70	0.29	100	48.0	50.3	1.7
MLV45	12	117	57.0	26.8	0.18	8.74	0.12	5.92	0.41	99	43.8	53.7	2.5
MLV45	12	131	57.7	27.6	0.29	9.31	0.07	5.90	0.29	101	45.8	52.5	1.7
MLV45	12	146	58.2	27.1	0.21	8.33	0.04	6.23	0.41	101	41.5	56.1	2.4
MLV45	13	15	56.1	28.0	0.41	10.47	0.04	5.51	0.26	101	50.5	48.0	1.5
MLV45	13	30	56.1	28.0	0.42	10.36	0.01	5.41	0.25	101	50.7	47.9	1.4
MLV45	13	45	54.2	28.9	0.46	11.52	0.04	5.01	0.13	100	55.6	43.7	0.7
MLV45	13	60	53.4	29.2	0.45	11.76	0.01	4.86	0.12	100	56.8	42.5	0.7
MLV45	13	75	54.2	29.6	0.35	12.05	0.01	4.70	0.11	101	58.2	41.1	0.6
MLV45	13	90	54.5	29.3	0.49	11.28	0.15	4.97	0.14	101	55.2	44.0	0.8
MLV45	13	105	53.1	29.4	0.49	11.82	0.06	4.79	0.04	100	57.5	42.2	0.3
MLV45	13	120	54.0	29.5	0.61	11.94	0.07	4.81	0.09	101	57.6	41.9	0.5
MLV45	13	135	54.1	28.8	0.43	11.29	0.03	4.86	0.08	100	55.9	43.6	0.5
MLV45	13	150	55.6	28.6	0.43	10.56	0.07	5.09	0.15	101	53.0	46.1	0.9
MLV45	14	0	54.9	29.1	0.46	10.92	0.02	5.12	0.21	101	53.4	45.3	1.2
MLV45	14	20	55.4	28.2	0.22	10.21	0.04	5.65	0.25	100	49.2	49.3	1.4
MLV45	14	40	55.6	27.9	0.25	9.98	0.18	5.48	0.20	100	49.6	49.2	1.2
MLV45	14	60	55.6	27.5	0.30	9.58	0.04	5.76	0.26	99	47.2	51.3	1.5
MLV45	14	80	55.9	27.1	0.17	9.33	0.15	5.87	0.24	99	46.1	52.5	1.4
MLV45	14	100	56.1	27.3	0.28	8.76	0.07	5.82	0.39	98	44.4	53.3	2.3
MLV45	14	120	55.4	28.0	0.36	10.20	0.10	5.29	0.29	100	50.7	47.6	1.7
MLV45	14	139	56.3	27.6	0.27	9.75	0.02	5.59	0.27	100	48.3	50.1	1.6
MLV45	14	159	54.3	28.5	0.30	10.72	0.10	4.93	0.22	99	53.9	44.8	1.3
MLV45	14	179	55.4	27.9	0.41	10.74	0.23	5.49	0.28	100	51.1	47.3	1.6
MLV45	14	199	55.4	27.9	0.38	10.56	0.07	5.40	0.28	100	51.1	47.3	1.6
MLV45	14	219	55.7	28.4	0.33	10.41	0.05	5.18	0.27	100	51.8	46.6	1.6
MLV45	14	239	55.3	28.2	0.38	10.85	0.05	5.39	0.20	100	52.1	46.8	1.2

MLV45	14	259	53.9	27.8	0.41	10.83	0.15	5.35	0.31	99	51.9	46.4	1.7
MLV45	14	299	54.8	28.3	0.37	10.57	0.10	5.16	0.24	99	52.4	46.2	1.4
MLV45	14	319	54.0	28.4	0.40	11.07	0.05	4.95	0.27	99	54.4	44.0	1.6
MLV45	14	339	56.5	27.3	0.26	9.66	0.01	5.97	0.34	100	46.3	51.8	1.9
MLV45	14	359	56.4	27.8	0.23	10.02	0.01	5.67	0.41	101	48.3	49.4	2.4
MLV45	14	379	55.8	27.8	0.34	9.62	0.01	5.74	0.33	100	47.1	50.9	1.9
MLV45	14	399	54.8	27.7	0.22	10.04	0.12	5.44	0.32	98	49.5	48.6	1.9
MLV45	14	458	53.0	29.1	0.25	11.65	0.01	4.69	0.35	99	56.7	41.3	2.0
MLV45	15	16	56.3	26.5	0.35	9.42	0.06	5.78	0.29	99	46.6	51.7	1.7
MLV45	15	31	57.1	27.1	0.23	9.27	0.03	6.23	0.38	100	44.1	53.7	2.1
MLV45	15	47	57.0	27.2	0.29	8.80	0.08	6.15	0.30	100	43.4	54.9	1.8
MLV45	15	62	56.9	27.0	0.21	9.12	0.01	5.95	0.36	100	44.9	53.0	2.1
MLV45	15	78	56.0	26.9	0.18	9.04	0.01	5.94	0.31	98	44.9	53.3	1.8
MLV45	15	93	56.0	27.0	0.30	9.08	0.07	5.88	0.33	99	45.2	52.9	1.9
MLV45	15	109	55.4	27.2	0.26	9.39	0.03	5.72	0.30	98	46.7	51.5	1.8
MLV45	15	124	57.2	25.9	0.28	8.29	0.06	6.44	0.45	99	40.5	56.9	2.6
MLV45	15	140	54.6	28.1	0.24	10.49	0.06	5.13	0.26	99	52.2	46.2	1.6
MLV45	15	155	54.2	29.0	0.24	10.93	0.04	4.82	0.25	99	54.8	43.7	1.5
MLV45	15	171	57.9	25.0	0.59	7.41	0.15	6.69	0.49	98	36.9	60.2	2.9
MLV45	16	20	55.8	28.5	0.40	10.72	0.01	5.39	0.24	101	51.6	47.0	1.4
MLV45	16	39	54.9	28.0	0.21	10.61	0.04	5.58	0.23	100	50.6	48.1	1.3
MLV45	16	59	55.2	28.6	0.22	10.53	0.05	5.34	0.17	100	51.6	47.4	1.0
MLV45	16	78	55.7	28.7	0.18	10.21	0.02	5.35	0.21	100	50.7	48.1	1.3
MLV45	16	98	54.8	28.3	0.30	10.72	0.05	5.55	0.19	100	51.1	47.9	1.1
MLV45	16	117	54.9	28.1	0.32	10.53	0.04	5.58	0.24	100	50.3	48.3	1.4
MLV45	16	137	55.0	27.9	0.24	9.83	0.01	5.90	0.26	99	47.2	51.3	1.5
MLV45	16	157	55.6	27.9	0.25	10.23	0.05	5.60	0.21	100	49.6	49.2	1.2
MLV45	16	176	55.8	28.0	0.21	10.00	0.08	5.46	0.24	100	49.6	49.0	1.4
MLV45	16	196	53.8	28.9	0.35	11.54	0.08	5.15	0.23	100	54.6	44.1	1.3
MLV45	16	215	54.9	28.5	0.20	10.41	0.03	5.35	0.22	99	51.1	47.6	1.3
MLV45	16	235	54.9	28.5	0.26	10.81	0.08	5.29	0.25	100	52.3	46.3	1.4
MLV45	16	255	56.8	28.1	0.25	9.73	0.06	5.70	0.38	101	47.5	50.3	2.2
MLV45	16	274	56.7	28.2	0.34	9.60	0.10	5.86	0.36	101	46.5	51.4	2.1
MLV45	16	333	57.1	27.4	0.52	9.94	0.13	5.70	0.40	101	48.0	49.7	2.3
MLV45	16	352	55.5	28.4	0.25	10.22	0.00	5.58	0.32	100	49.4	48.8	1.8
MLV45	16	372	55.7	27.4	0.34	9.93	0.02	5.55	0.33	99	48.8	49.3	1.9
MLV45	16	392	56.5	26.7	0.22	8.99	0.03	6.08	0.37	99	44.0	53.8	2.1
MLV45	17	16	56.5	27.4	0.31	9.88	0.00	5.87	0.26	100	47.5	51.0	1.5
MLV45	17	32	55.7	27.8	0.37	10.51	0.03	5.44	0.34	100	50.6	47.4	1.9
MLV45	17	47	56.7	27.2	0.31	9.63	0.02	5.84	0.28	100	46.9	51.5	1.6
MLV45	17	63	57.4	26.9	0.24	8.76	0.07	6.13	0.33	100	43.3	54.8	1.9
MLV45	17	79	57.5	26.8	0.21	8.40	0.01	6.43	0.36	100	41.1	56.8	2.1
MLV45	17	95	55.4	27.8	0.28	10.58	0.05	5.46	0.23	100	51.1	47.6	1.3
MLV45	17	110	57.8	26.4	0.37	8.15	0.22	6.37	0.42	100	40.4	57.2	2.5
MLV45	17	126	56.5	27.9	0.25	9.74	0.21	5.73	0.31	101	47.6	50.6	1.8
MLV45	17	142	58.5	26.1	0.25	7.98	0.22	6.73	0.45	100	38.6	58.8	2.6
MLV45	17	158	57.2	27.5	0.26	9.01	0.19	6.47	0.34	101	42.7	55.4	1.9
MLV45	17	173	56.3	27.5	0.23	9.75	0.04	5.66	0.32	100	47.9	50.3	1.9
MLV45	17	221	53.5	29.3	0.30	11.30	0.11	4.97	0.22	100	55.0	43.7	1.3
MLV45	17	236	54.2	29.3	0.28	12.11	0.13	4.89	0.30	101	56.8	41.5	1.7
MLV45	17	252	54.2	29.1	0.24	10.88	0.16	5.22	0.24	100	52.8	45.8	1.4
MLV45	18	0	59.7	24.6	0.55	7.24	0.07	6.69	0.76	99	35.7	59.8	4.5
MLV45	18	15	54.5	28.6	0.38	10.72	0.04	5.33	0.22	100	52.0	46.8	1.3
MLV45	18	46	54.4	27.7	0.32	10.96	0.07	5.17	0.21	99	53.3	45.5	1.2
MLV45	18	76	56.0	28.0	0.36	10.39	0.11	5.67	0.33	101	49.4	48.7	1.9
MLV45	18	91	57.8	26.5	0.27	8.46	0.05	6.28	0.36	100	41.8	56.1	2.1
MLV45	18	107	55.2	27.2	0.37	10.24	0.04	6.06	0.30	100	47.5	50.8	1.6
MLV45	18	137	54.3	28.8	0.36	11.26	0.04	4.97	0.30	100	54.6	43.7	1.7
MLV45	18	152	56.7	27.8	0.21	9.67	0.03	5.65	0.31	100	47.7	50.5	1.8
MLV45	18	168	54.7	28.3	0.22	10.83	0.04	5.19	0.25	99	52.8	45.8	1.4
MLV45	18	183	55.3	28.6	0.23	11.27	0.14	5.26	0.19	101	53.6	45.3	1.1
MLV45	18	198	52.2	29.8	0.10	12.85	0.16	4.48	0.15	100	60.8	38.4	0.9
MLV45	18	213	57.5	27.1	0.19	9.17	0.12	6.09	0.35	101	44.5	53.5	2.0
MLV45	18	228	58.4	26.4	0.27	7.93	0.11	6.51	0.38	100	39.3	58.4	2.2

MLV45	18	244	59.4	25.8	0.21	7.82	0.12	6.89	0.46	101	37.5	59.9	2.6
MLV45	18	259	55.8	27.8	0.22	10.16	0.03	5.68	0.28	100	48.9	49.5	1.6
MLV45	18	274	55.8	27.9	0.33	10.24	0.14	5.67	0.29	100	49.1	49.2	1.7
MLV45	18	289	56.8	28.1	0.24	10.14	0.20	5.52	0.30	101	49.5	48.8	1.7
MLV45	18	305	56.0	27.8	0.28	9.64	0.01	5.42	0.27	100	48.8	49.6	1.6
MLV45	18	335	55.5	27.4	0.28	10.10	0.06	5.31	0.30	99	50.3	47.9	1.8
MLV45	19	75	57.2	27.6	0.40	8.83	0.07	6.06	0.19	100	44.1	54.8	1.2
MLV45	19	90	56.3	27.7	0.57	9.96	0.04	5.82	0.14	101	48.2	51.0	0.8
MLV45	19	120	53.8	28.6	0.55	11.72	0.07	4.92	0.21	100	56.2	42.7	1.2
MLV45	19	135	54.3	28.7	0.53	10.53	0.00	5.01	0.12	99	53.3	45.9	0.7
MLV45	19	150	54.6	28.6	0.58	11.08	0.03	5.14	0.23	100	53.7	45.0	1.3
MLV45	19	166	54.9	29.3	0.62	11.30	0.17	5.19	0.17	102	54.1	44.9	1.0
MLV45	19	181	54.3	29.1	0.54	11.12	0.14	5.21	0.16	101	53.6	45.4	0.9
MLV45	20	15	58.0	26.4	0.27	8.40	0.14	6.59	0.46	100	40.2	57.1	2.6
MLV45	20	30	52.4	30.8	0.33	12.11	0.08	4.32	0.25	100	59.9	38.6	1.5
MLV45	20	45	53.4	28.3	0.23	10.83	0.16	5.04	0.22	98	53.6	45.1	1.3
MLV45	20	60	53.8	28.5	0.29	11.61	0.03	4.94	0.28	100	55.6	42.8	1.6
MLV45	20	75	54.3	28.7	0.28	10.70	0.05	5.21	0.27	99	52.3	46.1	1.6
MLV45	20	105	54.1	28.5	0.34	11.25	0.06	4.88	0.17	99	55.5	43.5	1.0
MLV45	20	120	54.5	27.6	0.26	10.24	0.04	5.62	0.26	98	49.4	49.1	1.5
MLV45	20	135	54.2	28.1	0.22	10.43	0.02	5.33	0.29	99	51.1	47.2	1.7
MLV45	20	150	53.3	29.5	0.27	11.31	0.09	4.92	0.26	99	55.1	43.4	1.5
MLV45	20	165	52.4	29.1	0.36	11.98	0.04	4.54	0.16	99	58.8	40.3	0.9
MLV45	21	0	49.0	32.5	0.95	15.26	0.00	3.05	0.09	101	73.1	26.4	0.5
MLV45	21	13	48.8	32.7	0.82	15.73	0.10	2.73	0.04	101	75.9	23.8	0.2
MLV45	21	25	50.6	32.1	0.76	15.34	0.05	3.22	0.05	102	72.3	27.5	0.3
MLV45	21	38	48.3	32.9	0.62	15.64	0.10	2.76	0.06	100	75.6	24.1	0.4
MLV45	21	50	49.1	31.9	0.55	15.29	0.05	3.08	0.04	100	73.1	26.7	0.2
MLV45	21	63	48.0	32.1	0.60	15.33	0.07	2.70	0.07	99	75.5	24.1	0.4
MLV45	21	75	52.4	30.0	0.54	12.36	0.09	4.24	0.13	100	61.2	38.0	0.8
MLV45	21	88	53.2	32.0	0.59	13.04	0.03	3.96	0.18	103	63.9	35.1	1.1
MLV45	21	100	48.5	31.3	0.48	15.17	0.12	2.96	0.09	99	73.5	26.0	0.5
MLV45	21	113	47.2	30.5	0.62	14.26	0.08	2.64	0.02	95	74.8	25.0	0.1
MLV45	21	125	49.1	32.2	0.63	14.85	0.04	2.96	0.09	100	73.1	26.4	0.5
MLV45	21	138	48.8	33.3	0.62	15.68	0.09	2.46	0.05	101	77.6	22.1	0.3
MLV45	21	150	48.5	33.2	0.64	14.90	0.02	2.73	0.03	100	75.0	24.8	0.2
MLV45	21	163	49.6	32.5	0.53	14.94	0.17	2.90	0.07	101	73.7	25.9	0.4
MLV45	21	176	48.9	32.1	0.59	14.97	0.01	2.81	0.09	100	74.2	25.2	0.6
MLV45	21	188	51.4	30.9	0.69	14.05	0.05	3.67	0.13	101	67.4	31.9	0.8
MLV45	21	201	52.2	29.6	0.53	12.40	0.09	4.49	0.12	99	60.0	39.3	0.7
MLV45	21	213	53.1	29.2	0.55	12.35	0.01	4.55	0.12	100	59.6	39.7	0.7
MLV45	21	226	52.8	30.0	0.61	12.33	0.01	4.48	0.09	100	60.0	39.5	0.5
MLV45	21	238	53.2	30.0	0.58	11.89	0.09	4.70	0.14	101	57.8	41.3	0.8
MLV45	21	251	52.2	29.6	0.53	12.38	0.04	4.47	0.09	99	60.2	39.3	0.5
MLV45	21	263	53.0	29.7	0.69	11.66	0.07	4.51	0.12	100	58.4	40.9	0.7
MLV45	21	276	52.6	29.4	0.67	11.97	0.08	4.65	0.13	100	58.3	41.0	0.7
MLV45	21	288	53.1	29.4	0.49	11.91	0.07	4.88	0.14	100	57.0	42.2	0.8
MLV45	21	301	53.1	27.6	0.57	10.60	0.05	5.01	0.17	97	53.3	45.6	1.0
MLV45	21	313	55.2	28.4	0.47	10.14	0.10	5.40	0.19	100	50.4	48.5	1.1
MLV45	21	326	54.5	26.4	0.41	9.53	0.05	5.96	0.21	97	46.3	52.4	1.2
MLV45	21	338	56.4	27.6	0.33	9.35	0.13	6.23	0.27	100	44.7	53.8	1.6
MLV45	21	351	57.8	26.3	0.34	8.24	0.06	6.44	0.32	100	40.7	57.5	1.9
MLV45	22	45	59.7	25.1	0.70	7.13	0.00	7.33	0.56	101	33.9	63.0	3.1
MLV45	22	60	56.1	27.5	0.58	9.58	0.04	5.95	0.31	100	46.3	52.0	1.8
MLV45	22	75	56.2	27.3	0.42	8.83	0.05	6.03	0.16	99	44.3	54.7	1.0
MLV45	22	90	56.6	27.8	0.34	9.36	0.09	6.29	0.19	101	44.6	54.3	1.1
MLV45	22	105	56.7	27.9	0.42	9.52	0.07	6.19	0.18	101	45.5	53.5	1.0
MLV45	22	120	55.7	28.1	0.42	9.43	0.02	5.90	0.18	100	46.4	52.5	1.1
MLV45	22	135	53.8	28.8	0.38	11.20	0.02	5.16	0.14	100	54.1	45.1	0.8
MLV45	22	150	54.2	28.9	0.46	11.06	0.12	5.20	0.10	100	53.7	45.7	0.6
MLV45	22	165	54.0	29.2	0.44	11.44	0.02	5.19	0.17	101	54.4	44.7	0.9
MLV45	22	180	54.3	29.0	0.56	11.37	0.00	4.95	0.14	100	55.5	43.7	0.8
MLV45	22	195	53.6	29.5	0.53	11.26	0.08	4.76	0.15	100	56.1	43.0	0.9
MLV45	22	210	53.3	29.7	0.55	11.66	0.05	4.77	0.13	100	57.0	42.2	0.8

MLV45	22	225	53.2	29.6	0.51	12.03	0.12	4.78	0.11	100	57.8	41.5	0.7
MLV45	22	240	52.2	29.6	0.61	12.06	0.07	4.78	0.12	99	57.8	41.5	0.7
MLV45	22	255	53.4	29.6	0.55	12.08	0.17	4.74	0.11	100	58.1	41.3	0.6
MLV45	22	270	52.1	29.5	0.56	12.12	0.01	4.44	0.16	99	59.6	39.5	0.9
MLV45	22	285	52.0	29.7	0.64	12.22	0.09	4.47	0.16	99	59.6	39.4	0.9
MLV45	22	300	52.5	30.1	0.58	12.44	0.03	4.36	0.11	100	60.8	38.6	0.6
MLV45	22	315	52.6	30.9	0.52	12.60	0.07	4.58	0.21	101	59.6	39.2	1.2
MLV45	22	330	51.0	30.7	0.53	13.46	0.03	3.80	0.10	100	65.8	33.6	0.6
MLV45	22	345	51.1	30.6	0.69	13.89	0.07	3.94	0.10	100	65.7	33.7	0.6
MLV45	22	360	51.5	30.5	0.69	12.28	0.04	4.03	0.10	99	62.4	37.0	0.6
MLV45	22	375	51.1	31.2	0.68	14.38	0.18	3.89	0.13	101	66.7	32.6	0.7
MLV45	22	390	51.4	31.4	0.49	13.26	0.00	3.89	0.10	101	64.9	34.5	0.6
MLV45	22	405	51.0	30.8	0.47	13.26	0.09	3.88	0.07	100	65.1	34.5	0.4
MLV45	22	420	50.6	30.3	0.42	13.38	0.01	4.01	0.04	99	64.7	35.1	0.2
MLV45	22	436	51.6	29.9	0.59	12.19	0.15	4.38	0.09	99	60.3	39.2	0.5
MLV45	23	0	54.6	28.2	0.38	10.25	0.00	5.57	0.29	99	49.6	48.7	1.7
MLV45	23	15	54.4	28.6	0.47	10.59	0.02	5.26	0.22	100	52.0	46.7	1.3
MLV45	23	29	53.9	28.9	0.35	11.31	0.02	5.31	0.16	100	53.6	45.5	0.9
MLV45	23	44	53.9	29.2	0.47	11.27	0.00	4.99	0.14	100	55.1	44.1	0.8
MLV45	23	59	53.4	29.7	0.45	11.59	0.12	4.88	0.20	100	56.1	42.8	1.2
MLV45	23	74	52.5	30.0	0.52	12.16	0.04	4.73	0.18	100	58.1	40.9	1.0
MLV45	23	88	52.1	29.8	0.38	12.81	0.10	4.39	0.12	100	61.3	38.0	0.7
MLV45	23	103	52.6	29.8	0.53	12.10	0.07	4.44	0.22	100	59.3	39.4	1.3
MLV45	23	118	54.1	29.6	0.42	11.61	0.05	4.75	0.20	101	56.8	42.1	1.2
MLV45	23	133	53.8	29.0	0.35	11.13	0.02	5.07	0.14	99	54.4	44.8	0.8
MLV45	23	147	53.3	28.3	0.48	11.51	0.03	4.98	0.17	99	55.5	43.5	1.0
MLV45	23	162	51.6	27.1	0.37	10.47	0.00	4.88	0.21	95	53.6	45.2	1.3
MLV45	23	177	54.0	29.0	0.40	11.29	0.05	5.07	0.16	100	54.7	44.4	0.9
MLV45	23	191	54.1	28.4	0.47	10.90	0.01	5.23	0.21	99	52.9	45.9	1.2
MLV45	23	206	53.9	29.6	0.38	11.51	0.02	4.82	0.19	100	56.3	42.6	1.1
MLV45	23	221	56.4	28.0	0.35	9.57	0.05	5.99	0.45	101	45.7	51.8	2.5
MLV45	24	0	56.0	27.9	0.62	9.87	0.15	5.97	0.19	101	47.2	51.7	1.1
MLV45	24	20	56.1	27.6	0.56	9.44	0.07	5.81	0.28	100	46.5	51.9	1.6
MLV45	24	40	55.8	27.4	0.49	10.03	0.15	5.85	0.10	100	48.3	51.1	0.6
MLV45	24	60	56.1	28.0	0.53	9.99	0.07	5.74	0.24	101	48.4	50.3	1.4
MLV45	24	80	55.3	27.8	0.66	10.47	0.05	5.58	0.16	100	50.4	48.6	0.9
MLV45	24	139	49.5	31.9	0.55	15.07	0.09	3.27	0.14	101	71.3	27.9	0.8
MLV45	24	159	48.3	32.8	0.59	15.86	0.04	2.79	0.05	100	75.6	24.1	0.3
MLV45	24	179	48.6	33.0	0.48	15.94	0.05	2.77	0.10	101	75.6	23.8	0.6
MLV45	24	239	49.4	31.6	0.60	14.53	0.15	3.14	0.04	99	71.7	28.0	0.3
MLV45	24	259	51.3	31.3	0.69	14.01	0.02	3.58	0.09	101	68.0	31.5	0.5
MLV45	24	279	53.0	29.7	0.57	12.26	0.17	4.28	0.14	100	60.8	38.4	0.8
MLV45	24	299	55.4	28.1	0.66	10.42	0.09	5.76	0.18	101	49.5	49.5	1.0
MLV45	24	318	55.7	28.0	0.57	10.20	0.15	5.81	0.14	100	48.9	50.4	0.8
MLV45	24	338	55.7	28.1	0.42	9.69	0.00	6.12	0.20	100	46.2	52.7	1.1
MLV45	24	358	58.9	26.3	0.30	7.43	0.09	6.79	0.44	100	36.7	60.7	2.6
MLV45	25	0	52.7	29.2	0.62	11.82	0.12	4.86	0.15	99	56.9	42.3	0.8
MLV45	25	14	50.8	31.9	0.58	13.82	0.10	3.37	0.09	101	69.0	30.5	0.5
MLV45	25	29	53.3	29.8	0.62	12.34	0.02	4.60	0.15	101	59.2	39.9	0.8
MLV45	25	43	56.4	27.7	0.57	10.15	0.07	5.56	0.21	101	49.6	49.2	1.2
MLV45	25	58	55.9	27.4	0.60	9.56	0.01	6.06	0.29	100	45.8	52.5	1.7
MLV45	25	72	54.0	28.7	0.53	10.42	0.02	5.37	0.15	99	51.3	47.8	0.9
MLV45	25	87	53.4	29.4	0.49	12.12	0.04	4.79	0.13	100	57.9	41.4	0.7
MLV45	25	101	52.3	29.6	0.64	12.21	0.07	4.69	0.18	100	58.4	40.6	1.0
MLV45	25	115	50.6	31.2	0.58	14.01	0.10	3.74	0.06	100	67.2	32.4	0.4
MLV45	25	130	48.6	31.7	0.57	15.35	0.13	3.03	0.11	99	73.2	26.2	0.6
MLV45	25	144	49.9	32.1	0.72	14.76	0.18	3.05	0.06	101	72.5	27.1	0.4
MLV45	25	159	49.7	32.0	0.57	14.84	0.12	3.06	0.02	100	72.7	27.2	0.1
MLV45	25	173	49.6	32.1	0.48	14.32	0.05	3.24	0.04	100	70.8	29.0	0.3
MLV45	25	187	50.8	32.0	0.65	13.58	0.12	3.55	0.11	101	67.4	31.9	0.7
MLV45	25	202	51.4	30.7	0.38	13.35	0.01	3.71	0.10	100	66.1	33.2	0.6
MLV45	25	216	52.0	30.7	0.53	13.55	0.12	3.96	0.07	101	65.1	34.5	0.4
MLV45	25	231	50.3	31.5	0.62	14.84	0.05	3.18	0.03	101	71.9	27.9	0.2
MLV45	25	245	49.5	32.3	0.71	14.97	0.05	2.96	0.09	101	73.2	26.2	0.5

MLV45	25	260	50.6	31.4	0.63	14.29	0.10	3.46	0.11	100	69.1	30.2	0.7
MLV45	25	274	52.8	29.9	0.71	12.00	0.00	4.35	0.10	100	60.0	39.4	0.6
MLV45	25	288	53.2	29.5	0.70	12.11	0.04	4.52	0.17	100	59.1	39.9	1.0
MLV45	25	303	63.9	21.3	0.59	5.51	0.07	5.87	1.41	99	30.9	59.7	9.4
MLV45	26	0	56.7	27.0	0.40	8.87	0.07	6.31	0.37	100	42.8	55.1	2.1
MLV45	26	15	57.2	27.1	0.42	8.82	0.07	6.59	0.31	100	41.8	56.5	1.8
MLV45	26	30	58.0	27.0	0.40	8.63	0.02	6.60	0.39	101	41.0	56.8	2.2
MLV45	26	44	57.2	26.3	0.24	8.62	0.09	6.59	0.37	100	41.1	56.8	2.1
MLV45	26	59	57.9	26.2	0.39	8.60	0.02	6.57	0.24	100	41.4	57.2	1.4
MLV45	26	74	58.3	27.0	0.30	8.11	0.04	6.59	0.26	101	39.9	58.6	1.5
MLV45	26	89	56.9	26.8	0.31	8.65	0.00	6.44	0.37	99	41.7	56.2	2.1
MLV45	26	103	56.4	27.4	0.20	8.68	0.02	6.20	0.28	99	42.9	55.4	1.6
MLV45	26	133	61.7	24.3	0.33	7.36	0.09	6.01	1.11	101	37.6	55.6	6.8
MLV45	26	148	63.0	24.1	0.64	7.96	0.09	5.22	1.42	102	41.7	49.4	8.9
MLV45	26	163	55.6	28.1	0.57	9.60	0.09	5.73	0.28	100	47.3	51.1	1.6
MLV45	26	177	55.0	28.7	0.42	10.95	0.17	5.64	0.17	101	51.3	47.8	1.0
MLV45	26	192	56.0	27.7	0.43	9.72	0.03	5.94	0.16	100	47.1	52.0	0.9
MLV45	26	207	56.8	27.1	0.34	9.09	0.10	6.37	0.31	100	43.3	54.9	1.7
MLV45	27	16	59.0	25.4	0.32	7.69	0.03	7.00	0.44	100	36.8	60.7	2.5
MLV45	27	31	60.7	24.1	0.22	6.66	0.05	6.58	0.98	99	33.8	60.3	5.9
MLV45	27	47	57.9	26.3	0.27	7.66	0.12	7.07	0.38	99	36.7	61.2	2.1
MLV45	27	62	56.7	27.4	0.23	8.97	0.05	5.94	0.40	100	44.4	53.2	2.3
MLV45	27	78	55.6	27.4	0.21	9.19	0.09	5.97	0.41	99	44.8	52.7	2.4
MLV45	27	94	57.1	26.8	0.20	8.70	0.00	6.49	0.42	100	41.5	56.1	2.4
MLV45	27	109	57.8	27.0	0.29	8.60	0.03	6.52	0.42	101	41.1	56.5	2.4
MLV45	27	125	58.2	26.9	0.22	8.76	0.10	6.73	0.39	101	40.9	56.9	2.1
MLV45	27	140	57.1	27.1	0.23	8.77	0.04	6.54	0.43	100	41.5	56.0	2.4
MLV45	27	156	55.8	27.3	0.17	9.24	0.00	6.29	0.31	99	44.0	54.2	1.8
MLV45	27	171	56.3	28.2	0.11	9.66	0.10	6.00	0.27	100	46.4	52.1	1.6
MLV45	27	187	55.4	27.9	0.17	9.61	0.05	5.94	0.30	99	46.4	51.9	1.7
MLV45	27	203	55.8	28.5	0.21	10.02	0.05	5.84	0.33	101	47.8	50.4	1.9
MLV45	27	218	56.0	28.0	0.22	9.67	0.10	5.82	0.35	100	46.9	51.1	2.0
MLV45	27	234	55.7	27.7	0.17	9.31	0.13	6.12	0.27	99	45.0	53.5	1.6
MLV45	27	249	55.6	27.9	0.21	9.57	0.05	5.93	0.38	99	46.1	51.7	2.2
MLV45	27	265	55.8	27.6	0.20	9.75	0.05	5.99	0.27	100	46.6	51.8	1.6
MLV45	27	281	56.0	27.3	0.14	9.40	0.05	6.01	0.32	99	45.5	52.7	1.8
MLV45	27	296	56.5	27.4	0.26	9.42	0.07	6.08	0.25	100	45.5	53.1	1.4
MLV45	27	312	78.1	10.2	1.81	0.30	0.07	2.87	4.95	99	2.6	45.6	51.7
MLV45	27	327	77.6	9.5	1.87	0.27	0.07	2.17	4.78	97	2.7	39.7	57.5
MLV45	27	343	55.3	27.8	0.31	9.69	0.09	6.24	0.39	100	45.2	52.7	2.2
MLV45	27	359	57.8	26.5	0.36	8.73	0.01	6.35	0.31	100	42.4	55.8	1.8
MLV45	27	374	58.1	26.5	0.16	8.26	0.03	6.80	0.39	100	39.3	58.5	2.2
MLV45	27	390	56.3	28.2	0.18	9.73	0.09	6.01	0.36	101	46.3	51.7	2.0
MLV45	27	405	55.7	27.6	0.36	10.02	0.13	5.72	0.30	100	48.4	49.9	1.7
MLV45	27	421	56.6	27.4	0.34	9.10	0.04	5.73	0.37	100	45.7	52.1	2.2
MLV45	27	436	55.9	27.5	0.15	9.71	0.04	5.94	0.32	100	46.6	51.6	1.8
MLV45	27	452	56.5	27.5	0.21	9.46	0.03	5.89	0.31	100	46.2	52.0	1.8
MLV45	27	468	55.9	27.1	0.25	9.36	0.09	6.09	0.30	99	45.1	53.1	1.7
MLV45	27	483	57.1	27.4	0.22	9.36	0.15	6.17	0.39	101	44.6	53.2	2.2
MLV45	27	499	56.2	27.2	0.29	9.03	0.07	6.29	0.26	99	43.6	54.9	1.5
MLV45	27	514	57.6	26.2	0.18	8.43	0.04	6.69	0.34	99	40.3	57.8	1.9
MLV45	28	0	55.6	27.4	0.28	10.15	0.04	6.01	0.37	100	47.3	50.7	2.1
MLV45	28	15	56.1	28.1	0.25	10.24	0.09	5.89	0.31	101	48.2	50.1	1.7
MLV45	28	30	54.4	27.2	0.29	10.29	0.02	6.11	0.30	99	47.4	51.0	1.7
MLV45	28	46	54.9	27.6	0.31	10.16	0.02	5.49	0.31	99	49.6	48.5	1.8
MLV45	28	61	55.3	28.3	0.26	10.16	0.09	5.50	0.25	100	49.8	48.8	1.5
MLV45	28	76	55.3	28.2	0.31	10.70	0.12	5.61	0.25	100	50.6	48.0	1.4
MLV45	28	91	55.4	28.1	0.42	10.37	0.10	5.61	0.27	100	49.8	48.7	1.5
MLV45	28	106	55.3	28.0	0.26	10.56	0.02	5.61	0.20	100	50.4	48.5	1.1
MLV45	28	121	54.6	28.5	0.25	10.10	0.05	5.64	0.28	99	48.9	49.4	1.6
MLV45	28	137	55.9	27.9	0.31	9.77	0.09	5.63	0.23	100	48.3	50.4	1.4
MLV45	28	152	54.2	27.9	0.42	9.76	0.07	5.80	0.30	98	47.3	50.9	1.7
MLV45	28	167	54.8	28.1	0.37	9.93	0.12	5.64	0.31	99	48.4	49.8	1.8
MLV45	28	182	56.0	28.2	0.38	10.48	0.04	5.61	0.28	101	50.0	48.4	1.6

MLV45	28	197	55.4	28.4	0.38	10.04	0.03	5.70	0.34	100	48.4	49.7	2.0
MLV45	28	213	55.5	27.9	0.24	10.59	0.12	5.77	0.28	100	49.6	48.9	1.6
MLV45	28	228	54.9	28.0	0.28	10.20	0.02	5.79	0.26	99	48.6	49.9	1.5
MLV45	28	243	55.4	28.1	0.29	9.84	0.02	5.86	0.29	100	47.3	51.0	1.7
MLV45	28	258	58.0	26.4	0.50	8.68	0.12	6.29	0.41	100	42.2	55.4	2.4
MLV45	m1		60.0	25.1	0.66	6.75	0.00	6.97	0.61	100	33.6	62.8	3.6
MLV45	m2		61.0	24.6	0.43	7.04	0.10	6.79	0.74	101	34.9	60.8	4.4
MLV45	m3		61.5	23.4	0.37	6.43	0.08	6.56	1.13	100	32.7	60.4	6.9
MLV45	m4		59.2	25.1	0.46	6.89	0.06	6.81	0.51	99	34.8	62.2	3.0
MLV45	m5		60.6	24.6	0.59	6.14	0.04	7.00	0.56	100	31.5	65.0	3.4
MLV45	m6		66.6	19.6	0.48	4.82	0.00	5.69	1.71	99	28.1	60.0	11.9
MLV45	m7		60.0	25.0	0.59	6.51	0.06	7.18	0.71	100	32.0	63.9	4.1
MLV45	m8		62.0	24.6	0.51	6.66	0.04	7.21	0.67	102	32.5	63.6	3.9
MLV45	m9		62.8	19.5	0.42	5.53	0.04	6.18	2.06	97	28.8	58.3	12.8
MLV45	m10		62.7	23.6	0.43	5.71	0.01	7.04	1.03	100	29.0	64.8	6.2
MLV45	m11		61.5	23.3	0.45	5.58	0.04	6.70	1.13	99	29.3	63.7	7.0
MLV45	m12		60.0	25.0	0.31	7.13	0.05	7.12	0.58	100	34.4	62.2	3.3
MLV45	m13		58.2	25.7	0.46	7.85	0.07	6.62	0.52	100	38.4	58.6	3.0
MLV45	m14		59.3	26.2	0.40	7.48	0.06	6.84	0.50	101	36.6	60.5	2.9
MLV45	m15		59.7	24.8	0.36	6.95	0.03	7.02	0.60	99	34.1	62.4	3.5
MLV45	m16		58.5	25.3	0.31	7.37	0.12	6.80	0.47	99	36.4	60.8	2.8
MLV45	m17		59.2	25.1	0.39	7.21	0.08	6.99	0.56	100	35.1	61.6	3.3
MLV45	m18		58.9	25.0	0.45	7.09	0.12	6.96	0.67	99	34.6	61.5	3.9
MLV45	m19		58.9	25.2	0.36	7.25	0.18	6.80	0.56	99	35.8	60.8	3.3
MLV45	m20		56.5	26.6	0.53	8.83	0.03	6.36	0.39	99	42.4	55.3	2.2
MLV45	m21		58.1	26.7	0.50	8.54	0.09	6.35	0.34	101	41.8	56.2	2.0
MLV45	m22		56.7	27.4	0.45	9.08	0.08	6.03	0.39	100	44.4	53.3	2.2
MLV45	m23		56.5	26.4	0.47	8.42	0.03	6.30	0.32	98	41.7	56.4	1.9
MLV45	m24		56.3	26.9	0.33	9.24	0.04	6.22	0.27	99	44.4	54.1	1.5
MLV45	m25		61.6	24.2	0.45	7.07	0.01	6.14	0.95	101	36.6	57.5	5.8
MLV45	m26		59.2	26.0	0.45	7.30	0.04	6.59	0.58	100	36.7	59.9	3.5
MLV45	m27		58.6	25.0	0.49	7.92	0.09	6.58	0.53	99	38.7	58.2	3.1
MLV45	m28		61.4	24.3	0.54	6.85	0.02	6.16	0.82	100	36.1	58.8	5.1
MLV45	m29		69.7	17.6	0.44	3.48	0.16	5.40	2.66	100	21.2	59.5	19.3
MLV45	m30		59.8	26.3	0.33	7.85	0.08	6.74	0.44	101	38.2	59.3	2.6
MLV45	m31		58.5	26.0	0.42	8.10	0.03	6.79	0.45	100	38.7	58.7	2.5
MLV45	m32		61.7	24.1	0.41	6.74	0.12	7.00	0.83	101	33.1	62.1	4.8
MLV45	m33		65.4	20.1	0.49	4.91	0.03	5.69	1.88	99	28.1	59.0	12.8
MLV45	m34		76.4	11.4	1.30	0.67	0.01	2.83	4.56	98	5.9	45.7	48.4
MLV45	m35		59.9	25.2	0.39	7.14	0.00	6.90	0.55	100	35.2	61.5	3.2
MLV45	m36		59.8	25.6	0.33	7.53	0.04	7.11	0.53	101	35.8	61.2	3.0
MLV45	m37		59.0	25.9	0.42	8.14	0.01	6.77	0.45	101	38.9	58.5	2.5
MLV45	m38		59.5	26.2	0.31	7.69	0.01	6.91	0.46	101	37.1	60.3	2.6
MLV45	m39		58.7	25.6	0.46	7.75	0.00	6.86	0.47	100	37.4	59.9	2.7
MLV45	m40		60.2	25.5	0.35	7.08	0.04	7.10	0.53	101	34.4	62.5	3.1
MLV45	m41		53.3	22.6	0.36	7.16	0.00	6.81	0.50	91	35.6	61.4	3.0
MLV45	m42		60.2	24.7	0.43	6.43	0.02	6.91	0.62	99	32.7	63.6	3.8
MLV45	m43		59.2	23.7	1.31	6.27	0.07	7.02	0.87	100	31.3	63.5	5.2
MLV45	m44		53.4	29.0	0.61	11.67	0.11	4.44	0.23	99	58.4	40.2	1.4
MLV45	m45		53.3	28.9	0.74	11.82	0.03	4.54	0.26	100	58.1	40.4	1.5
MLV45	m46		53.3	28.8	0.71	11.74	0.08	4.48	0.26	99	58.3	40.2	1.5
MLV45	m47		52.4	28.9	0.53	11.41	0.06	4.65	0.23	98	56.8	41.9	1.4
MLV45	m48		53.0	29.9	0.51	12.16	0.11	4.44	0.24	100	59.4	39.2	1.4
MLV45	m49		52.9	28.8	0.52	11.60	0.01	4.83	0.24	99	56.3	42.4	1.4
MLV45	m50		52.9	29.0	0.59	11.86	0.04	4.49	0.19	99	58.7	40.2	1.1
MLV45	m51		60.3	25.3	0.44	6.96	0.08	6.92	0.56	100	34.5	62.1	3.3
MLV45	m52		60.6	25.0	0.38	7.21	0.20	6.91	0.56	101	35.4	61.4	3.2
MLV45	m53		59.4	26.4	0.41	8.22	0.08	6.54	0.45	102	39.9	57.5	2.6
MLV45	m54		58.9	26.3	0.49	7.84	0.02	6.62	0.37	101	38.7	59.1	2.2
MLV45	m55		59.8	24.9	0.31	6.94	0.07	6.78	0.55	99	34.9	61.8	3.3
MLV45	m56		62.5	23.8	0.54	6.01	0.02	7.56	0.81	101	29.1	66.2	4.7
MLV45	m57		59.2	25.5	0.38	7.24	0.08	6.71	0.58	100	36.1	60.5	3.4
MLV45	m58		59.6	25.7	0.51	7.31	0.04	6.85	0.52	101	36.0	61.0	3.0
MLV45	m59		59.1	26.3	0.38	8.27	0.16	6.32	0.42	101	41.0	56.6	2.5

MLV45	m60	58.4	26.4	0.26	8.45	0.04	6.20	0.34	100	42.1	55.9	2.0
MLV45	m61	58.4	25.7	0.33	7.82	0.01	6.55	0.47	99	38.7	58.6	2.7
MLV45	m62	58.9	25.7	0.50	7.81	0.08	6.63	0.53	100	38.2	58.7	3.1
MLV45	m63	58.9	25.6	0.45	7.40	0.12	6.65	0.52	99	36.9	60.0	3.1
MLV45	m64	58.4	26.0	0.43	8.26	0.12	6.69	0.52	100	39.4	57.7	3.0
MLV45	m65	58.9	25.7	0.51	7.57	0.02	6.54	0.46	100	38.0	59.3	2.7
MLV45	m66	59.1	25.6	0.53	7.76	0.12	6.60	0.60	100	38.0	58.5	3.5
MLV45	m67	54.2	29.0	0.56	11.63	0.04	4.83	0.34	100	56.0	42.1	1.9
MLV45	m68	57.0	27.5	0.44	10.21	0.12	5.53	0.40	101	49.3	48.4	2.3
MLV45	m69	56.4	28.3	0.51	10.21	0.11	4.80	0.36	101	52.8	45.0	2.2
MLV45	m70	54.8	26.7	0.77	11.52	0.02	4.81	0.33	99	55.9	42.2	1.9
MLV45	m71	60.4	24.5	0.64	6.29	0.03	7.18	0.65	100	31.4	64.8	3.9
MLV45	m72	60.4	23.9	0.91	5.99	0.00	7.00	0.70	99	30.7	65.0	4.3
MLV45	m73	58.9	24.9	0.55	6.96	0.02	7.31	0.63	99	33.2	63.2	3.6
MLV45	m74	59.2	24.6	1.17	6.68	0.02	6.97	0.67	100	33.3	62.8	4.0
MLV45	m75	59.4	24.4	0.56	6.39	0.01	7.15	0.81	99	31.5	63.7	4.7
MLV45	m76	59.7	24.7	0.53	6.52	0.12	7.38	0.69	99	31.5	64.5	4.0
MLV45	m77	60.3	24.9	0.48	6.60	0.06	7.05	0.66	100	32.8	63.3	3.9
MLV45	m78	56.9	26.9	0.48	9.23	0.08	5.87	0.23	100	45.9	52.8	1.4
MLV45	m79	56.5	26.9	0.62	9.21	0.07	5.66	0.18	99	46.9	52.1	1.1
MLV45	m80	56.5	27.7	0.38	9.60	0.08	5.70	0.28	100	47.4	50.9	1.7
MLV45	m81	56.4	27.3	0.55	9.31	0.03	5.90	0.29	100	45.8	52.5	1.7
MLV45	m82	61.4	23.3	0.45	5.54	0.05	7.62	0.80	99	27.3	68.0	4.7
MLV45	m83	53.4	29.6	0.61	11.69	0.04	4.56	0.19	100	58.0	40.9	1.1
MLV45	m84	53.0	28.7	0.58	11.61	0.06	4.82	0.22	99	56.3	42.4	1.3
MLV45	m85	54.6	28.5	0.67	11.43	0.03	4.97	0.18	100	55.4	43.6	1.1
MLV45	m86	57.6	25.8	0.32	8.09	0.09	6.68	0.49	99	39.0	58.2	2.8
MLV45	m87	58.4	25.6	0.44	8.17	0.03	6.54	0.49	100	39.7	57.5	2.8
MLV45	m88	59.0	26.2	0.42	8.08	0.05	6.49	0.46	101	39.7	57.7	2.7
MLV45	m89	58.1	26.1	0.37	8.18	0.09	6.47	0.45	100	40.1	57.3	2.6
MLV45	m90	57.9	26.2	0.32	7.81	0.08	6.70	0.37	99	38.3	59.5	2.2
MLV45	m91	58.6	25.8	0.29	7.98	0.01	6.59	0.48	100	39.0	58.3	2.8
MLV45	m92	59.8	26.0	0.34	7.80	0.01	6.67	0.47	101	38.2	59.1	2.7
MLV45	m93	59.7	24.9	0.50	6.59	0.08	6.88	0.67	99	33.2	62.8	4.0
MLV45	m94	64.6	20.7	1.04	4.89	0.02	6.40	1.43	99	26.9	63.7	9.3
MLV45	m95	63.9	22.2	0.83	5.12	0.12	7.23	1.07	101	26.3	67.2	6.5
MLV45	m96	58.1	26.3	0.29	8.06	0.10	6.45	0.38	100	39.9	57.8	2.3
MLV45	m97	57.1	27.8	0.45	9.35	0.07	6.05	0.33	101	45.2	52.9	1.9
MLV45	m98	58.3	26.4	0.34	8.64	0.05	6.40	0.37	101	41.8	56.0	2.1
MLV45	m99	58.4	26.5	0.33	8.63	0.00	6.28	0.38	101	42.2	55.6	2.2
MLV45	m100	57.4	26.8	0.37	9.16	0.05	6.02	0.31	100	44.8	53.3	1.8
MLV45	m101	57.1	27.0	0.35	8.89	0.02	6.20	0.35	100	43.3	54.7	2.0
MLV45	m102	57.8	26.3	0.29	8.16	0.00	6.44	0.42	99	40.2	57.4	2.4
MLV45	m103	57.2	26.4	0.31	8.59	0.04	6.31	0.35	99	42.1	55.9	2.0
MLV45	m104	57.2	25.7	0.32	7.75	0.05	6.43	0.52	98	38.7	58.2	3.1
MLV45	m105	57.4	25.8	0.45	8.19	0.07	6.43	0.34	99	40.5	57.5	2.0
MLV45	m106	57.5	26.4	0.49	8.42	0.04	6.16	0.59	100	41.6	55.0	3.5
MLV45	m107	58.1	25.8	0.35	7.79	0.03	6.57	0.44	99	38.6	58.9	2.6
MLV45	m108	57.5	26.6	0.54	8.68	0.04	6.16	0.45	100	42.6	54.8	2.6
MLV45	m109	66.6	18.0	1.02	4.09	0.20	5.62	2.00	98	24.6	61.1	14.3
MLV45	m110	53.5	28.0	0.86	11.38	0.08	4.70	0.27	99	56.3	42.1	1.6
MLV45	m111	55.7	28.0	0.43	10.06	0.01	5.54	0.28	100	49.3	49.1	1.6
MLV45	m112	55.4	28.3	0.69	9.99	0.04	5.58	0.36	100	48.7	49.2	2.1
MLV45	m113	66.5	21.2	0.24	4.04	0.06	7.31	1.20	101	21.6	70.7	7.6
MLV45	m114	62.1	23.8	0.43	5.68	0.12	7.54	0.69	100	28.2	67.7	4.1
MLV45	m115	60.8	24.7	0.34	6.85	0.08	6.95	0.54	100	34.1	62.6	3.2
MLV45	m116	60.5	24.2	0.38	6.11	0.03	7.41	0.72	99	30.0	65.8	4.2
MLV45	m117	61.4	24.0	0.34	5.59	0.00	7.58	0.65	100	27.8	68.3	3.8
MLV45	m118	62.5	23.7	0.39	5.43	0.05	7.53	0.68	100	27.3	68.6	4.1
MLV45	m119	61.9	24.3	0.23	5.43	0.04	7.64	0.75	100	26.9	68.6	4.4
MLV45	m120	54.9	27.8	0.57	10.42	0.06	5.33	0.28	99	51.1	47.3	1.6
MLV45	m121	56.3	27.0	0.74	9.58	0.12	5.70	0.32	100	47.3	50.9	1.9
MLV45	m122	60.4	24.8	0.34	6.28	0.12	7.16	0.70	100	31.3	64.6	4.1
MLV45	m123	59.7	24.4	0.34	6.69	0.03	7.02	0.65	99	33.2	63.0	3.9

MLV45	m124	59.6	24.5	0.37	6.82	0.06	6.88	0.72	99	33.9	61.8	4.2
MLV45	m125	60.1	25.0	0.42	7.44	0.02	6.49	0.69	100	37.2	58.7	4.1
MLV45	m126	60.0	24.7	0.34	7.40	0.07	6.58	0.59	100	37.0	59.5	3.5
MLV45	m127	61.3	24.9	0.32	6.49	0.03	6.79	0.75	101	33.0	62.5	4.5
MLV45	m128	59.2	25.5	0.37	7.69	0.07	6.42	0.61	100	38.4	58.0	3.6
MLV45	m129	69.3	16.9	0.37	3.20	0.10	4.86	2.86	100	20.8	57.1	22.1
MLV45	m130	59.6	25.5	0.54	6.99	0.04	6.67	0.50	100	35.6	61.4	3.0
MLV45	m131	59.7	25.1	0.56	7.48	0.05	6.87	0.64	101	36.2	60.1	3.7
MLV45	m132	56.0	22.5	0.32	6.30	0.02	6.80	0.60	93	32.6	63.7	3.7
MLV45	m133	58.9	25.2	0.49	7.16	0.06	7.08	0.58	99	34.6	62.0	3.3
MLV45	m134	59.8	25.0	0.50	6.77	0.01	6.84	0.61	100	34.1	62.3	3.7
MLV45	m135	59.9	24.2	0.61	6.68	0.10	6.81	0.61	99	33.8	62.4	3.7
MLV45	m136	66.9	19.6	0.57	3.92	0.02	6.26	1.84	99	22.5	65.0	12.6
MLV45	m137	66.5	20.3	0.62	4.26	0.11	6.42	1.98	100	23.3	63.7	12.9
MLV45	m138	65.6	20.3	0.65	4.36	0.03	6.39	1.60	99	24.4	64.9	10.7
MLV45	m139	66.2	20.4	0.47	4.28	0.21	6.77	1.50	100	23.4	66.9	9.7
MLV45	m140	61.9	23.3	0.56	5.53	0.04	7.31	0.82	99	28.0	67.0	5.0
MLV45	m141	58.6	25.8	0.48	7.62	0.07	6.68	0.54	100	37.4	59.4	3.2
MLV45	m142	58.9	24.8	0.51	7.02	0.04	6.88	0.46	99	35.1	62.2	2.7
MLV45	m143	65.9	20.7	0.68	4.28	0.08	6.62	1.53	100	23.7	66.2	10.1
MLV45	m144	65.8	19.8	0.65	4.29	0.05	6.50	1.65	99	23.8	65.3	10.9
MLV45	m145	59.1	25.5	0.50	7.87	0.06	6.63	0.51	100	38.4	58.6	2.9
MLV45	m146	57.6	26.4	0.34	8.47	0.07	6.25	0.36	100	41.9	55.9	2.1
MLV45	m147	58.2	26.7	0.48	7.78	0.08	6.42	0.47	100	39.0	58.2	2.8
MLV45	m148	58.3	26.5	0.55	7.98	0.04	6.25	0.46	100	40.2	57.0	2.8
MLV45	m149	58.8	25.6	0.48	7.54	0.00	6.67	0.49	100	37.4	59.8	2.9
MLV45	m150	59.1	25.2	0.44	8.05	0.08	6.81	0.44	100	38.5	59.0	2.5
MLV45	m151	58.4	26.0	0.34	7.36	0.01	6.93	0.53	99	35.8	61.1	3.1
MLV45	m152	58.9	25.5	0.39	7.52	0.08	6.64	0.61	100	37.1	59.3	3.6
MLV45	m153	57.5	25.2	0.43	7.30	0.07	6.66	0.51	98	36.6	60.4	3.0
MLV45	m154	60.0	25.7	0.42	7.14	0.14	6.77	0.63	100	35.5	60.8	3.7
MLV45	m155	59.3	25.0	0.49	7.54	0.08	6.68	0.60	100	37.0	59.4	3.5
MLV45	m156	60.9	25.0	0.49	6.87	0.12	6.56	0.73	100	35.0	60.5	4.4
MLV45	m157	58.9	25.7	0.39	7.54	0.02	6.77	0.43	100	37.1	60.3	2.5
MLV45	m158	57.8	26.9	0.36	8.28	0.04	6.57	0.42	100	40.0	57.6	2.4
MLV45	m159	58.3	26.3	0.37	8.41	0.09	6.58	0.41	100	40.4	57.2	2.3
MLV45	m160	58.4	25.6	0.37	7.91	0.01	6.61	0.53	99	38.6	58.3	3.1
MLV45	m161	57.7	25.2	0.44	7.74	0.02	6.60	0.47	98	38.3	59.0	2.7
MLV45	m162	58.7	26.2	0.43	7.65	0.06	6.71	0.46	100	37.6	59.7	2.7
MLV45	m163	57.8	25.6	0.38	7.82	0.04	6.64	0.47	99	38.4	58.9	2.7
MLV45	m164	58.7	25.6	0.39	7.29	0.08	6.93	0.52	99	35.7	61.3	3.0
MLV45	m165	57.5	25.9	0.36	8.09	0.03	6.61	0.48	99	39.2	58.0	2.8
MLV45	m166	53.9	29.2	0.29	12.07	0.03	4.58	0.23	100	58.5	40.2	1.3
MLV45	m167	53.2	28.9	0.34	11.70	0.02	4.51	0.25	99	58.1	40.5	1.5
MLV45	m168	53.0	29.0	0.34	11.58	0.08	4.83	0.23	99	56.2	42.4	1.3
MLV45	m169	56.4	27.8	0.44	10.19	0.03	5.66	0.33	101	48.9	49.2	1.9
MLV45	m170	55.9	27.4	0.34	9.81	0.03	5.67	0.28	99	48.1	50.3	1.6
MLV45	m171	57.4	27.4	0.33	8.73	0.08	5.88	0.39	100	44.0	53.6	2.4
MLV45	m172	59.0	26.0	0.40	7.46	0.03	6.75	0.54	100	36.7	60.1	3.2
MLV45	m173	59.2	24.5	0.39	6.71	0.04	7.13	0.59	99	33.0	63.5	3.5
MLV45	m174	56.1	26.6	0.54	9.28	0.01	6.09	0.37	99	44.7	53.1	2.1
MLV45	m175	55.4	27.3	0.49	9.55	0.10	6.00	0.34	99	45.9	52.1	2.0
MLV45	m176	52.2	29.8	0.61	11.95	0.16	4.29	0.18	99	60.0	39.0	1.1
MLV45	m177	56.1	27.7	0.36	9.58	0.06	5.72	0.29	100	47.3	51.0	1.7
MLV45	m178	59.0	25.2	0.42	7.19	0.13	6.88	0.45	99	35.7	61.7	2.7
MLV45	m179	57.6	26.0	0.34	7.90	0.06	6.51	0.39	99	39.2	58.5	2.3
MLV45	m180	58.7	25.6	0.48	7.27	0.04	6.63	0.46	99	36.7	60.5	2.8
MLV45	m181	58.0	25.4	0.36	7.72	0.05	6.52	0.59	99	38.2	58.3	3.5
MLV45	m182	59.9	25.3	0.45	6.98	0.05	6.97	0.53	100	34.5	62.4	3.1
MLV45	m183	58.5	24.7	0.38	7.58	0.09	6.81	0.57	99	36.8	59.9	3.3
MLV45	m184	58.9	25.9	0.51	7.83	0.09	6.84	0.54	100	37.6	59.4	3.1
MLV45	m185	57.6	26.3	0.44	8.31	0.01	6.26	0.35	99	41.4	56.5	2.1
MLV45	m186	58.6	26.5	0.42	8.12	0.01	6.45	0.37	100	40.2	57.7	2.2

Table 5A: Orthopyroxene Compositions

Sample	#	Dist (μm)	SiO_2	TiO_2	Al_2O_3	Cr_2O_3	FeO	MnO	MgO	CaO	Na_2O	K_2O	Total	Mg#
TEQ21	1	0	49.8	0.08	0.18	0.03	31.2	2.16	14.4	1.31	0.06	0.00	99.2	45.1
TEQ21	1	9	49.9	0.14	0.21	0.00	31.1	2.23	14.3	1.41	0.04	0.03	99.3	45.1
TEQ21	1	19	50.0	0.11	0.18	0.01	31.5	2.39	14.3	1.35	0.11	0.00	100.0	44.8
TEQ21	1	29	49.4	0.11	0.30	0.01	31.4	2.36	14.2	1.40	0.19	0.01	99.3	44.6
TEQ21	1	38	49.6	0.09	0.17	0.00	31.6	2.37	14.3	1.31	0.02	0.01	99.5	44.6
TEQ21	1	49	49.9	0.11	0.20	0.01	31.5	2.39	14.4	1.26	0.39	0.04	100.2	45.0
TEQ21	1	58	49.5	0.11	0.22	0.01	31.3	2.33	14.2	1.35	0.05	0.04	99.1	44.7
TEQ21	1	68	49.1	0.13	0.21	0.01	31.6	2.31	14.4	1.37	0.05	0.01	99.2	44.8
TEQ21	1	77	49.6	0.09	0.22	0.02	31.3	2.39	14.4	1.43	0.04	0.01	99.4	45.1
TEQ21	1	88	49.8	0.11	0.34	0.00	30.9	2.24	14.6	1.37	0.05	0.05	99.5	45.7
COMP3	1	0	52.9	0.10	0.83	0.02	19.6	1.30	25.1	0.60	0.01	0.00	100.4	69.5
COMP3	1	11	52.4	0.10	0.83	0.01	19.3	1.25	25.1	0.59	0.01	0.01	99.6	69.9
COMP3	1	22	51.5	0.10	0.95	0.01	19.4	1.16	24.8	1.08	0.02	0.03	99.2	69.5
COMP3	1	34	52.2	0.12	0.92	0.00	19.1	1.28	25.2	0.60	0.00	0.01	99.5	70.1
COMP3	1	45	52.5	0.12	0.89	0.02	19.7	1.29	24.8	0.57	0.00	0.01	99.8	69.2
COMP3	1	57	52.6	0.11	0.94	0.00	19.7	1.29	25.0	0.56	0.02	0.01	100.2	69.4
COMP3	1	68	52.2	0.11	1.01	0.01	19.5	1.18	24.9	0.63	0.00	0.02	99.6	69.5
COMP3	1	80	52.7	0.12	1.10	0.01	19.8	1.32	24.9	0.58	0.01	0.02	100.5	69.2
COMP3	1	91	52.8	0.12	0.98	0.00	19.6	1.22	24.9	0.61	0.00	0.01	100.2	69.4
COMP3	1	103	52.7	0.12	1.06	0.00	19.5	1.18	25.4	0.53	0.01	0.02	100.5	69.9
COMP3	1	114	53.0	0.12	0.91	0.02	19.8	1.25	25.1	0.56	0.01	0.02	100.7	69.4
COMP3	1	126	53.7	0.13	1.74	0.03	19.2	1.23	22.5	0.59	0.01	0.01	99.1	67.6
COMP3	1	136	52.5	0.10	0.87	0.02	19.6	1.35	24.9	0.55	0.02	0.03	99.8	69.4
COMP3	1	148	52.2	0.10	0.85	0.00	19.0	1.21	24.9	0.50	0.01	0.03	98.8	70.0
COMP3	1	160	52.6	0.12	0.97	0.01	19.4	1.29	24.9	0.58	0.02	0.01	99.9	69.6
COMP3	1	171	53.4	0.07	0.84	0.02	19.4	1.26	25.1	0.57	0.02	0.02	100.7	69.7
COMP3	1	182	52.3	0.09	0.91	0.02	19.6	1.27	24.8	0.54	0.02	0.02	99.4	69.3
COMP3	1	194	52.9	0.11	0.85	0.00	19.7	1.26	24.9	0.56	0.01	0.01	100.4	69.3
COMP3	1	206	52.3	0.11	0.80	0.02	19.3	1.22	24.8	0.56	0.00	0.03	99.1	69.6
COMP3	2	0	53.3	0.10	0.53	0.01	19.5	1.33	25.0	0.58	0.03	0.02	100.5	69.5
COMP3	2	11	53.6	0.04	0.46	0.00	19.1	1.30	25.4	0.62	0.02	0.02	100.6	70.3
COMP3	2	22	52.9	0.09	0.50	0.01	19.3	1.24	25.3	0.59	0.01	0.01	100.0	70.0
COMP3	2	34	53.3	0.08	0.58	0.00	19.3	1.24	25.3	0.56	0.01	0.01	100.3	70.0
COMP3	2	45	53.4	0.07	0.45	0.02	19.5	1.26	25.4	0.56	0.01	0.00	100.6	70.0
COMP3	2	57	53.6	0.07	0.65	0.01	19.2	1.29	25.2	0.62	0.00	0.01	100.7	70.0
COMP3	2	68	52.5	0.10	0.79	0.01	19.2	1.22	24.4	0.61	0.00	0.01	98.8	69.4
COMP3	2	80	53.4	0.07	0.49	0.01	19.2	1.20	25.2	0.59	0.01	0.00	100.0	70.1
COMP3	2	90	51.9	0.10	1.06	0.00	19.5	1.25	24.5	0.61	0.02	0.02	99.0	69.1
COMP3	2	103	52.5	0.11	1.18	0.01	19.2	1.24	23.9	0.56	0.02	0.00	98.7	68.9
COMP3	2	114	53.0	0.11	0.93	0.02	19.7	1.23	24.7	0.53	0.01	0.00	100.1	69.2
COMP3	2	125	52.3	0.11	1.31	0.03	19.2	1.23	24.7	0.57	0.01	0.01	99.4	69.6
COMP3	2	137	53.0	0.13	0.83	0.01	19.4	1.27	25.1	0.58	0.02	0.01	100.3	69.7
COMP3	2	148	52.9	0.10	0.87	0.03	19.4	1.22	25.2	0.55	0.01	0.02	100.3	69.8
COMP3	2	160	51.9	0.12	1.55	0.02	18.9	1.27	25.3	0.54	0.04	0.01	99.7	70.5
COMP3	3	0	53.0	0.09	0.73	0.03	19.1	1.30	24.8	0.59	0.02	0.03	99.6	69.8
COMP3	3	10	53.0	0.12	0.51	0.01	19.1	1.25	24.9	0.64	0.01	0.03	99.6	69.9
COMP3	3	20	52.9	0.10	0.48	0.03	19.6	1.35	24.4	0.60	0.02	0.01	99.4	69.0
COMP3	3	30	53.1	0.09	0.43	0.02	19.7	1.27	24.8	0.63	0.00	0.03	100.0	69.1
COMP3	3	40	52.9	0.10	0.41	0.01	19.7	1.38	24.6	0.59	0.01	0.01	99.6	68.9
COMP3	3	50	51.7	0.07	0.51	0.00	19.3	1.42	24.7	0.63	0.02	0.02	98.4	69.5
COMP3	3	60	53.3	0.11	0.59	0.00	18.8	1.22	25.1	0.66	0.03	0.04	99.8	70.4
COMP3	3	70	53.3	0.12	0.43	0.01	19.0	1.30	24.6	0.71	0.08	0.01	99.6	69.8
COMP3	4	0	52.7	0.11	0.98	0.01	19.2	1.25	24.9	0.53	0.01	0.01	99.7	69.8
COMP3	4	11	52.5	0.13	0.89	0.03	19.2	1.16	24.7	0.52	0.01	0.01	99.1	69.7
COMP3	4	22	52.7	0.10	0.87	0.01	19.1	1.25	24.8	0.53	0.02	0.02	99.3	69.8
COMP3	4	32	52.3	0.10	0.87	0.00	19.1	1.20	24.7	0.51	0.01	0.00	98.9	69.8
COMP3	4	43	52.7	0.06	0.90	0.01	19.5	1.27	25.1	0.52	0.01	0.00	100.1	69.6
COMP3	4	53	52.5	0.08	0.74	0.01	19.4	1.27	24.8	0.54	0.00	0.01	99.4	69.5
COMP3	4	64	53.4	0.11	0.61	0.00	19.2	1.19	24.8	0.55	0.00	0.00	99.9	69.7

COMP3	4	74	52.8	0.10	0.66	0.00	19.3	1.19	25.2	0.59	0.00	0.01	99.9	69.9
COMP3	4	84	52.5	0.08	0.88	0.00	19.2	1.27	24.7	0.55	0.00	0.01	99.2	69.6
COMP3	4	95	52.7	0.12	0.90	0.03	19.6	1.16	24.8	0.56	0.00	0.01	99.9	69.3
COMP3	4	105	52.3	0.14	0.99	0.00	19.5	1.20	24.4	0.57	0.02	0.02	99.1	69.1
COMP3	4	117	52.4	0.16	0.93	0.01	19.1	1.17	24.6	0.56	0.00	0.00	99.0	69.6
COMP3	4	127	53.2	0.11	0.96	0.00	19.8	1.17	25.1	0.57	0.00	0.03	100.9	69.3
COMP3	4	138	52.6	0.08	0.41	0.01	19.3	1.32	25.0	0.55	0.01	0.00	99.3	69.8
COMP3	4	148	53.4	0.08	0.47	0.01	19.7	1.24	25.3	0.50	0.03	0.01	100.7	69.6
COMP3	4	159	53.5	0.10	0.40	0.01	19.1	1.25	25.0	0.54	0.02	0.00	100.0	70.0
COMP3	4	169	53.0	0.10	0.49	0.01	19.3	1.26	24.9	0.55	0.01	0.00	99.6	69.7
COMP3	4	179	53.5	0.08	0.53	0.00	19.2	1.25	25.1	0.61	0.01	0.02	100.2	69.9
COMP3	4	190	52.6	0.09	0.43	0.01	19.1	1.27	25.0	0.58	0.00	0.01	99.0	70.0
COMP3	4	200	53.1	0.08	0.43	0.02	19.3	1.30	25.0	0.59	0.00	0.02	99.8	69.9
COMP3	4	211	53.1	0.08	0.54	0.02	19.3	1.26	24.9	0.52	0.01	0.00	99.7	69.7
COMP3	5	0	53.1	0.09	0.49	0.03	18.8	1.29	24.7	0.56	0.01	0.01	99.1	70.1
COMP3	5	9	53.0	0.07	0.52	0.00	19.3	1.29	24.9	0.52	0.00	0.01	99.6	69.7
COMP3	5	18	53.1	0.07	0.64	0.00	19.2	1.26	25.0	0.56	0.01	0.02	99.8	69.9
COMP3	5	27	52.8	0.11	0.59	0.00	19.0	1.22	24.8	0.53	0.03	0.00	99.1	69.9
COMP3	5	36	52.5	0.14	0.93	0.01	19.4	1.25	24.6	0.58	0.02	0.01	99.4	69.4
COMP3	5	45	53.1	0.08	0.92	0.03	19.4	1.23	25.2	0.55	0.01	0.03	100.7	69.8
COMP3	5	55	52.8	0.13	1.03	0.00	19.3	1.26	24.9	0.55	0.01	0.03	100.0	69.6
COMP3	5	64	52.2	0.08	1.04	0.00	19.0	1.20	24.3	0.60	0.02	0.00	98.5	69.5
COMP3	5	73	52.9	0.10	1.02	0.02	19.4	1.29	24.9	0.56	0.03	0.00	100.1	69.6
COMP3	5	82	52.9	0.12	0.90	0.03	19.2	1.22	24.6	0.54	0.01	0.03	99.5	69.6
COMP3	5	92	52.7	0.09	0.87	0.01	19.4	1.18	24.8	0.55	0.00	0.02	99.7	69.5
COMP3	5	101	53.1	0.10	0.80	0.00	19.3	1.29	25.0	0.57	0.00	0.03	100.2	69.8
COMP3	5	110	52.8	0.09	0.85	0.03	19.0	1.29	24.6	0.49	0.01	0.02	99.1	69.8
COMP3	6	0	53.0	0.08	0.50	0.01	19.4	1.26	25.3	0.59	0.00	0.01	100.2	69.9
COMP3	6	12	53.5	0.10	0.52	0.02	19.7	1.26	25.0	0.59	0.01	0.00	100.7	69.3
COMP3	6	23	52.9	0.07	0.43	0.01	19.2	1.29	25.0	0.62	0.01	0.01	99.5	69.8
COMP3	6	35	53.3	0.10	0.67	0.01	19.6	1.23	25.1	0.53	0.00	0.02	100.5	69.5
COMP3	6	47	53.3	0.08	0.43	0.01	19.5	1.23	25.0	0.58	0.00	0.02	100.0	69.6
COMP3	6	58	52.4	0.12	0.78	0.00	19.6	1.27	24.7	0.54	0.01	0.00	99.4	69.2
COMP3	6	69	52.6	0.13	1.07	0.00	19.6	1.30	24.7	0.59	0.00	0.01	99.8	69.2
COMP3	6	81	52.7	0.12	1.01	0.02	19.5	1.17	24.5	0.64	0.02	0.03	99.7	69.2
COMP3	6	93	53.2	0.12	0.91	0.01	19.7	1.23	25.1	0.48	0.00	0.00	100.6	69.4
COMP3	6	104	52.7	0.12	1.05	0.01	19.4	1.20	24.4	0.54	0.01	0.01	99.4	69.1
COMP3	6	116	52.6	0.11	0.91	0.03	19.6	1.27	25.1	0.60	0.02	0.02	100.1	69.5
COMP3	6	127	52.5	0.12	0.91	0.01	19.6	1.25	24.7	0.54	0.01	0.01	99.5	69.3
COMP3	6	138	52.6	0.11	0.93	0.03	19.5	1.24	25.1	0.60	0.02	0.01	100.1	69.7
COMP3	6	150	52.6	0.10	0.93	0.02	19.6	1.21	25.2	0.47	0.00	0.00	100.1	69.6
COMP3	6	162	52.6	0.11	0.91	0.00	19.5	1.27	24.9	0.56	0.00	0.00	99.9	69.5
COMP3	6	173	52.6	0.14	0.93	0.00	19.6	1.17	25.0	0.57	0.01	0.03	100.1	69.4
COMP3	7	0	52.9	0.09	0.57	0.01	19.2	1.24	24.5	0.55	0.01	0.03	99.1	69.4
COMP3	7	10	53.0	0.12	0.65	0.00	19.2	1.28	24.5	0.55	0.03	0.00	99.4	69.4
COMP3	7	20	53.0	0.12	0.92	0.02	19.6	1.32	24.8	0.56	0.01	0.00	100.4	69.3
COMP3	7	30	53.0	0.08	0.89	0.01	19.4	1.26	24.7	0.53	0.01	0.01	99.8	69.5
COMP3	7	40	52.9	0.11	0.94	0.02	19.7	1.26	24.7	0.56	0.02	0.01	100.2	69.1
COMP3	7	50	53.7	0.07	0.89	0.03	19.2	1.20	24.4	0.55	0.02	0.02	100.1	69.3
COMP3	7	61	51.9	0.10	0.88	0.02	19.6	1.21	24.6	0.54	0.01	0.01	98.9	69.2
COMP3	7	70	52.9	0.12	0.89	0.00	19.6	1.24	24.9	0.57	0.02	0.03	100.2	69.4
COMP3	7	80	52.8	0.10	0.91	0.01	19.2	1.23	24.6	0.51	0.01	0.00	99.4	69.5
COMP3	7	91	52.9	0.12	0.87	0.02	19.6	1.26	24.9	0.50	0.02	0.01	100.1	69.4
COMP3	7	101	52.9	0.11	0.87	0.00	19.7	1.25	25.0	0.54	0.02	0.02	100.4	69.4
COMP3	7	121	53.1	0.10	0.97	0.01	19.4	1.20	25.0	0.61	0.00	0.01	100.4	69.8
COMP3	7	131	53.5	0.12	0.91	0.00	19.4	1.16	25.0	0.58	0.02	0.02	100.6	69.7
COMP3	7	141	53.1	0.12	0.87	0.01	19.4	1.29	24.9	0.54	0.00	0.01	100.2	69.5
COMP3	7	151	53.6	0.10	0.60	0.01	19.5	1.28	25.0	0.57	0.02	0.00	100.6	69.6
COMP3	7	161	52.7	0.08	0.48	0.02	19.1	1.19	24.8	0.55	0.02	0.00	98.9	69.9
COMP3	7	172	52.8	0.07	0.59	0.00	19.4	1.27	24.9	0.56	0.00	0.01	99.6	69.6
COMP3	7	182	53.1	0.07	0.46	0.01	19.2	1.21	25.1	0.52	0.01	0.01	99.7	70.0
JAL10	1	0	66.3	0.16	15.09	0.01	5.5	0.25	4.3	2.09	4.86	1.86	100.4	58.4
JAL10	1	83	52.2	0.17	0.85	0.02	19.8	1.14	24.4	0.74	0.02	0.01	99.3	68.7
JAL10	1	125	52.1	0.18	0.89	0.00	20.0	1.18	24.5	0.68	0.01	0.02	99.5	68.5

JAL10	1	146	52.1	0.13	0.96	0.01	19.7	1.19	24.4	0.63	0.01	0.01	99.1	68.8
JAL10	1	167	52.4	0.15	0.83	0.02	19.8	1.08	24.4	0.62	0.01	0.01	99.4	68.7
JAL10	1	187	52.6	0.17	0.78	0.00	20.0	1.25	24.4	0.59	0.02	0.01	99.7	68.5
JAL10	1	208	52.2	0.14	0.82	0.01	20.0	1.28	23.7	0.58	0.02	0.02	98.7	67.8
JAL10	1	229	53.0	0.14	0.80	0.03	19.6	1.18	24.2	0.66	0.01	0.01	99.6	68.8
JAL10	1	250	52.6	0.12	0.80	0.01	19.6	1.10	24.4	0.59	0.02	0.01	99.2	69.0
JAL10	1	270	52.2	0.14	1.00	0.02	19.8	1.12	24.2	0.64	0.02	0.02	99.1	68.6
JAL10	1	291	52.4	0.17	1.08	0.04	19.9	1.07	24.3	0.77	0.02	0.03	99.8	68.6
JAL10	1	312	52.0	0.16	1.28	0.02	20.2	1.04	24.0	0.90	0.02	0.01	99.6	68.0
JAL10	1	334	52.9	0.07	0.68	0.04	20.0	1.09	24.3	0.62	0.01	0.04	99.7	68.3
JAL10	1	354	52.0	0.11	0.65	0.04	19.9	1.12	24.3	0.61	0.02	0.01	98.6	68.6
JAL10	1	396	52.2	0.11	0.71	0.02	19.6	1.16	25.2	0.64	0.02	0.02	99.6	69.6
JAL10	1	417	52.1	0.16	1.17	0.02	19.7	1.13	24.3	0.68	0.01	0.03	99.2	68.7
JAL10	1	437	52.1	0.12	1.07	0.03	19.8	1.08	24.2	0.71	0.02	0.01	99.1	68.6
JAL10	1	479	52.0	0.16	1.19	0.03	19.9	1.11	24.2	0.71	0.01	0.01	99.3	68.5
JAL10	1	500	52.5	0.15	1.00	0.00	19.9	1.14	24.0	0.75	0.01	0.01	99.5	68.2
JAL10	2	0	52.6	0.13	0.76	0.03	19.7	1.20	24.4	0.62	0.02	0.01	99.4	68.9
JAL10	2	10	53.5	0.14	0.77	0.02	20.1	1.12	24.0	0.68	0.01	0.02	100.3	68.1
JAL10	2	41	52.7	0.11	0.61	0.03	20.6	1.67	23.6	0.50	0.01	0.00	99.8	67.0
JAL10	2	62	52.7	0.05	0.64	0.00	20.8	1.81	23.1	0.64	0.04	0.01	99.7	66.5
JAL10	2	72	52.2	0.13	0.70	0.02	20.3	1.27	24.1	0.65	0.00	0.03	99.4	68.0
JAL10	2	83	52.8	0.12	0.71	0.03	19.6	1.22	24.4	0.67	0.02	0.02	99.5	68.9
JAL10	2	93	57.4	0.10	3.22	0.01	15.9	1.12	20.9	0.60	0.57	0.83	100.7	70.1
JAL10	2	114	52.6	0.15	0.69	0.01	20.0	1.23	24.2	0.69	0.01	0.03	99.6	68.3
JAL10	2	124	52.8	0.11	0.62	0.03	19.9	1.26	24.1	0.64	0.01	0.01	99.4	68.4
JAL10	2	135	52.5	0.09	0.61	0.00	19.9	1.41	24.1	0.62	0.02	0.00	99.3	68.3
JAL10	2	145	53.0	0.09	0.59	0.02	19.9	1.54	24.1	0.54	0.01	0.02	99.8	68.4
JAL10	2	156	52.8	0.08	0.62	0.02	20.2	1.31	24.3	0.57	0.02	0.02	99.8	68.2
JAL10	2	166	53.3	0.08	0.47	0.00	20.1	1.41	25.2	0.48	0.03	0.03	100.9	69.1
JAL10	2	197	51.7	0.06	0.61	0.03	21.2	1.76	22.9	0.58	0.00	0.00	98.8	65.9
JAL10	2	208	51.7	0.09	0.55	0.00	20.8	1.63	23.8	0.49	0.01	0.00	99.1	67.1
JAL10	2	218	52.7	0.09	0.89	0.01	20.0	1.28	22.9	0.54	0.01	0.03	98.5	67.1
JAL10	2	229	52.1	0.14	0.69	0.01	19.8	1.19	24.3	0.64	0.00	0.01	98.8	68.6
JAL10	2	239	52.4	0.15	0.75	0.03	20.2	1.17	24.5	0.65	0.02	0.01	99.8	68.4
JAL10	2	250	52.3	0.13	0.73	0.02	19.6	1.18	24.2	0.66	0.03	0.02	98.9	68.7
JAL10	3	0	52.4	0.16	0.76	0.01	19.8	1.16	24.5	0.65	0.00	0.00	99.4	68.9
JAL10	3	13	52.6	0.09	0.66	0.03	20.1	1.29	24.0	0.57	0.03	0.01	99.3	68.1
JAL10	3	26	52.7	0.11	0.60	0.01	21.0	1.54	23.4	0.55	0.01	0.02	99.8	66.5
JAL10	3	39	52.4	0.10	0.57	0.01	21.1	1.52	23.1	0.59	0.00	0.01	99.4	66.2
JAL10	3	51	52.3	0.12	0.55	0.00	21.2	1.76	23.3	0.56	0.01	0.00	99.8	66.3
JAL10	3	77	52.3	0.06	0.64	0.02	20.5	1.65	23.6	0.55	0.01	0.00	99.3	67.3
JAL10	3	88	52.2	0.05	0.60	0.00	20.5	1.47	23.7	0.59	0.01	0.03	99.2	67.3
JAL10	3	101	52.5	0.09	0.60	0.02	20.7	1.59	23.5	0.52	0.01	0.00	99.6	66.9
JAL10	3	114	52.8	0.13	0.56	0.01	20.0	1.62	23.8	0.62	0.05	0.01	99.6	67.9
JAL10	3	126	52.8	0.08	0.57	0.01	20.4	1.56	23.1	0.55	0.02	0.01	99.1	66.8
JAL10	3	139	52.5	0.08	0.64	0.03	20.9	1.63	23.9	0.57	0.01	0.02	100.2	67.1
JAL10	3	164	52.4	0.12	0.68	0.00	20.7	1.50	23.4	0.55	0.02	0.00	99.4	66.8
JAL10	3	177	52.0	0.11	0.64	0.01	20.3	1.53	23.7	0.59	0.01	0.00	98.9	67.6
JAL10	3	190	52.8	0.09	0.60	0.02	20.4	1.40	23.8	0.51	0.02	0.01	99.5	67.5
JAL10	3	201	52.5	0.09	0.55	0.00	20.3	1.36	23.9	0.52	0.02	0.04	99.3	67.7
JAL10	3	214	52.5	0.12	0.65	0.02	19.8	1.21	24.2	0.61	0.00	0.01	99.0	68.6
JAL10	3	227	52.4	0.10	0.75	0.00	19.8	1.17	24.3	0.63	0.02	0.01	99.2	68.7
JAL10	3	239	52.9	0.13	0.74	0.02	19.9	1.08	24.4	0.60	0.01	0.01	99.8	68.5
JAL10	4	0	52.4	0.10	0.98	0.01	19.9	1.16	23.4	0.64	0.09	0.07	98.7	67.7
JAL10	4	13	52.1	0.12	0.79	0.01	19.8	1.29	24.1	0.56	0.00	0.01	98.8	68.4
JAL10	4	26	52.6	0.11	0.59	0.00	20.1	1.34	24.2	0.55	0.02	0.03	99.6	68.2
JAL10	4	39	52.4	0.10	0.55	0.01	20.1	1.56	24.2	0.43	0.02	0.01	99.5	68.2
JAL10	4	52	52.6	0.07	0.57	0.02	20.4	1.45	24.1	0.47	0.01	0.02	99.7	67.9
JAL10	4	66	52.2	0.09	0.68	0.02	20.6	1.59	23.6	0.57	0.02	0.02	99.3	67.1
JAL10	4	80	52.2	0.07	0.59	0.02	20.7	1.76	23.2	0.63	0.01	0.03	99.1	66.6
JAL10	4	93	52.8	0.09	0.58	0.00	20.5	1.67	23.9	0.64	0.02	0.01	100.2	67.5
JAL10	4	106	52.3	0.09	0.69	0.02	20.1	1.34	24.1	0.60	0.01	0.00	99.2	68.1
JAL10	4	119	52.5	0.10	0.61	0.02	20.0	1.36	24.2	0.59	0.06	0.04	99.4	68.3
JAL10	4	133	52.4	0.10	0.53	0.02	20.4	1.54	23.7	0.56	0.02	0.01	99.3	67.4

JAL10	4	146	48.4	0.09	0.56	0.00	19.1	1.46	21.5	0.54	0.01	0.01	91.6	66.8
JAL10	4	159	52.7	0.08	0.63	0.01	20.6	1.33	24.5	0.49	0.00	0.01	100.3	68.0
JAL10	4	172	52.0	0.14	1.32	0.01	20.2	1.27	23.7	0.59	0.00	0.04	99.2	67.6
JAL10	4	186	52.3	0.14	0.74	0.01	20.3	1.34	24.2	0.63	0.01	0.01	99.6	67.9
JAL10	5	0	52.1	0.16	0.76	0.01	20.9	1.36	24.0	0.60	0.00	0.01	99.9	67.2
JAL10	5	14	52.7	0.11	0.87	0.01	20.6	1.35	24.1	0.66	0.02	0.00	100.4	67.6
JAL10	5	28	51.7	0.14	1.07	0.01	20.1	1.28	23.8	0.77	0.01	0.00	98.8	67.8
JAL10	5	43	52.5	0.15	0.86	0.02	20.2	1.17	24.4	0.63	0.00	0.00	99.9	68.3
JAL10	5	58	52.2	0.13	0.76	0.02	20.5	1.35	23.9	0.63	0.03	0.01	99.5	67.5
JAL10	5	72	51.6	0.15	0.75	0.01	21.3	1.34	23.0	0.59	0.02	0.01	98.8	65.9
JAL10	5	87	52.2	0.12	0.85	0.00	21.2	1.37	23.1	0.76	0.02	0.01	99.6	66.0
JAL10	5	102	52.6	0.12	0.69	0.01	21.3	1.36	23.6	0.68	0.01	0.01	100.4	66.4
JAL10	5	132	52.0	0.11	0.79	0.00	20.2	1.28	24.0	0.61	0.01	0.01	99.0	67.9
JAL10	5	146	52.9	0.11	0.79	0.01	20.1	1.20	24.4	0.59	0.02	0.01	100.1	68.5
JAL10	5	176	52.5	0.17	0.97	0.03	20.7	1.23	24.2	0.74	0.01	0.01	100.5	67.6
JAL10	5	190	52.3	0.13	0.76	0.02	19.9	1.19	23.9	0.67	0.02	0.02	98.9	68.2
JAL10	5	205	52.4	0.15	0.85	0.01	20.3	1.31	24.3	0.63	0.03	0.02	99.9	68.1
JAL10	6	0	51.5	0.14	0.89	0.01	20.0	1.14	24.2	0.68	0.00	0.01	98.5	68.3
JAL10	6	26	52.0	0.10	0.58	0.03	20.8	1.48	24.0	0.50	0.01	0.01	99.4	67.3
JAL10	6	39	52.7	0.10	0.56	0.01	20.8	1.69	23.5	0.54	0.00	0.00	99.9	66.8
JAL10	6	52	52.4	0.09	0.53	0.01	20.8	1.53	23.6	0.49	0.03	0.02	99.5	66.9
JAL10	6	65	52.7	0.09	0.55	0.01	20.7	1.44	24.3	0.52	0.02	0.00	100.3	67.7
JAL10	6	79	52.1	0.13	0.78	0.04	19.9	1.18	24.0	0.69	0.03	0.02	99.0	68.2
JAL10	6	92	52.7	0.12	0.73	0.01	20.1	1.29	24.4	0.60	0.02	0.03	100.0	68.4
JAL10	6	105	52.0	0.09	0.58	0.02	20.3	1.42	23.6	0.50	0.02	0.01	98.6	67.4
JAL10	6	118	52.1	0.11	0.95	0.01	21.2	1.55	23.1	0.56	0.01	0.03	99.6	66.0
JAL10	6	131	51.7	0.10	0.59	0.01	21.3	1.63	23.0	0.51	0.02	0.00	98.8	65.8
JAL10	6	144	51.7	0.12	0.79	0.00	22.0	1.99	22.5	0.62	0.00	0.01	99.7	64.6
JAL10	6	157	51.5	0.07	0.55	0.02	22.2	1.98	22.4	0.52	0.01	0.03	99.3	64.3
JAL10	6	170	52.2	0.05	0.55	0.02	21.4	1.91	22.7	0.54	0.01	0.08	99.3	65.4
JAL10	6	183	52.4	0.09	0.52	0.02	20.9	1.65	23.3	0.57	0.01	0.01	99.4	66.5
JAL10	6	196	52.5	0.11	0.63	0.01	21.2	1.74	23.1	0.64	0.02	0.01	99.9	66.0
JAL10	6	210	52.1	0.08	0.62	0.01	21.7	1.91	22.6	0.61	0.02	0.01	99.7	65.0
JAL10	6	223	52.4	0.11	0.62	0.01	21.8	1.99	22.5	0.55	0.01	0.02	100.0	64.7
JAL10	6	236	52.2	0.11	0.61	0.00	21.9	1.79	22.3	0.51	0.01	0.01	99.4	64.5
JAL10	6	249	52.5	0.09	0.59	0.01	21.6	1.75	23.0	0.55	0.01	0.01	100.1	65.5
JAL10	6	262	51.5	0.13	0.99	0.01	21.8	1.67	22.9	0.66	0.02	0.01	99.6	65.2
JAL10	6	275	52.1	0.08	0.52	0.01	21.0	1.78	23.5	0.45	0.01	0.00	99.5	66.5
JAL10	6	288	51.7	0.11	0.62	0.00	20.2	1.39	24.2	0.57	0.02	0.00	98.8	68.0
JAL10	6	302	51.9	0.15	0.73	0.01	19.8	1.27	24.3	0.61	0.01	0.03	98.7	68.6
MLV36	1	0	51.0	0.29	1.27	0.03	23.8	0.68	20.1	1.92	0.02	0.03	99.1	60.0
MLV36	1	7	50.6	0.26	1.56	0.03	23.5	0.64	20.7	1.32	0.03	0.03	98.6	61.1
MLV36	1	13	50.7	0.27	1.63	0.04	23.0	0.58	21.0	1.65	0.03	0.02	98.8	61.9
MLV36	1	20	51.3	0.34	1.36	0.01	23.1	0.62	20.9	2.21	0.04	0.03	99.8	61.7
MLV36	1	26	49.0	0.70	2.84	0.01	14.0	0.49	13.6	16.49	0.35	0.01	97.5	63.2
MLV36	1	32	48.6	0.72	3.07	0.02	13.3	0.46	13.2	17.48	0.39	0.03	97.3	63.9
MLV36	1	40	49.3	0.67	2.89	0.01	12.5	0.41	13.1	18.08	0.37	0.00	97.2	65.2
MLV36	1	46	50.0	0.68	2.40	0.01	12.4	0.34	13.2	18.69	0.36	0.04	98.1	65.4
MLV36	1	52	50.0	0.65	2.37	0.01	12.5	0.37	13.2	18.66	0.39	0.04	98.3	65.3
MLV36	2	9	50.8	0.13	0.47	0.00	25.5	0.85	20.0	1.03	0.02	0.01	98.8	58.2
MLV36	2	19	50.9	0.11	0.49	0.01	26.8	0.85	19.4	0.98	0.01	0.01	99.5	56.3
MLV36	2	29	51.0	0.11	0.52	0.03	27.6	0.95	19.0	0.73	0.02	0.02	99.9	55.1
MLV36	2	38	51.4	0.10	0.51	0.02	27.2	1.06	19.3	0.73	0.01	0.00	100.4	55.9
MLV36	2	48	50.6	0.07	0.53	0.02	26.6	1.05	19.1	0.79	0.03	0.02	98.8	56.2
MLV36	2	58	50.5	0.06	0.96	0.04	27.2	1.03	18.6	0.58	0.03	0.01	99.0	54.9
MLV36	2	67	50.4	0.07	0.94	0.00	27.6	1.08	18.8	0.58	0.04	0.01	99.4	54.8
MLV36	2	77	50.3	0.08	0.83	0.01	27.4	1.06	18.6	0.67	0.02	0.02	99.1	54.7
MLV36	2	87	50.6	0.08	0.67	0.02	27.7	1.03	18.7	0.66	0.02	0.01	99.4	54.6
MLV36	2	95	51.1	0.06	0.60	0.06	27.5	1.03	19.1	0.69	0.00	0.01	100.1	55.4
MLV36	2	105	51.0	0.11	0.54	0.01	27.0	0.99	18.9	0.76	0.01	0.03	99.4	55.5
MLV36	2	115	51.2	0.09	0.44	0.03	27.1	0.92	19.3	0.83	0.01	0.00	99.9	55.9
MLV36	2	125	51.2	0.10	0.39	0.02	26.6	0.87	19.5	0.80	0.01	0.02	99.5	56.6
MLV36	2	134	50.9	0.10	0.38	0.04	26.7	0.75	19.4	0.84	0.02	0.02	99.1	56.4
MLV36	2	144	51.2	0.10	0.36	0.01	27.0	0.83	19.4	0.96	0.02	0.01	99.9	56.1

MLV36	2	154	51.2	0.20	0.49	0.02	27.4	0.92	19.0	1.08	0.02	0.01	100.3	55.3
MLV36	2	164	50.8	0.17	0.51	0.03	26.5	0.80	19.3	1.00	0.02	0.01	99.1	56.4
MLV36	2	173	51.0	0.13	0.43	0.01	26.6	0.89	19.8	1.09	0.01	0.00	99.9	57.0
MLV36	2	183	51.2	0.11	0.46	0.03	25.6	0.85	20.3	1.16	0.02	0.00	99.6	58.5
MLV36	3	0	50.9	0.15	0.63	0.02	26.8	0.77	19.1	1.13	0.00	0.04	99.6	55.9
MLV36	3	11	50.2	0.14	0.47	0.01	26.8	0.81	18.7	0.87	0.03	0.01	98.1	55.5
MLV36	3	21	51.3	0.08	0.32	0.03	27.2	0.93	18.9	0.92	0.02	0.01	99.7	55.4
MLV36	3	32	50.9	0.07	0.32	0.00	26.8	0.95	19.1	0.89	0.01	0.03	99.0	56.0
MLV36	3	42	51.1	0.15	0.41	0.02	26.9	0.83	19.0	0.96	0.01	0.02	99.4	55.7
MLV36	3	54	51.2	0.06	0.34	0.04	27.1	0.84	19.0	0.82	0.03	0.00	99.4	55.6
MLV36	3	65	50.5	0.07	0.35	0.01	27.8	0.84	18.2	0.92	0.02	0.01	98.7	53.9
MLV36	3	75	50.6	0.14	0.43	0.02	27.1	0.87	18.5	0.99	0.03	0.01	98.6	54.9
MLV36	3	86	50.9	0.15	0.91	0.01	27.8	0.97	17.6	1.12	0.09	0.08	99.6	53.1
MLV36	3	96	50.2	0.15	0.51	0.00	29.4	0.85	17.4	1.15	0.01	0.01	99.7	51.4
MLV36	3	108	50.5	0.14	0.47	0.01	28.9	0.89	17.8	0.97	0.01	0.01	99.7	52.2
MLV36	3	119	50.3	0.16	0.43	0.01	28.3	0.91	17.9	1.04	0.01	0.03	99.1	52.9
MLV36	3	129	50.8	0.15	0.43	0.01	27.5	0.93	18.6	1.00	0.01	0.02	99.4	54.7
MLV36	3	140	51.1	0.14	0.39	0.02	26.5	0.91	19.5	0.99	0.02	0.03	99.5	56.8
MLV36	4	0	50.3	0.11	0.39	0.00	27.9	0.90	18.1	1.03	0.02	0.04	98.9	53.6
MLV36	4	12	50.2	0.19	0.53	0.02	29.2	0.89	17.7	0.98	0.00	0.03	99.7	52.0
MLV36	4	24	51.2	0.15	0.58	0.00	26.6	0.81	19.1	1.05	0.02	0.00	99.5	56.1
MLV36	4	36	51.3	0.13	0.49	0.03	24.8	0.75	20.6	1.04	0.03	0.03	99.3	59.7
MLV36	4	48	51.3	0.11	0.39	0.00	25.4	0.81	20.5	0.94	0.02	0.00	99.3	59.0
MLV36	4	60	51.5	0.09	0.45	0.03	25.1	0.75	20.4	0.81	0.03	0.03	99.1	59.1
MLV36	4	72	50.8	0.11	0.65	0.03	25.6	0.81	20.0	0.96	0.02	0.00	99.0	58.2
MLV36	4	84	51.6	0.10	0.41	0.00	25.8	0.83	20.0	0.98	0.01	0.02	99.7	58.1
MLV36	4	96	51.4	0.12	0.45	0.03	26.0	0.80	19.9	0.98	0.00	0.04	99.7	57.7
MLV36	5	0	50.9	0.13	0.39	0.01	26.2	0.86	19.1	1.04	0.02	0.01	98.6	56.5
MLV36	5	12	50.4	0.11	0.38	0.02	28.9	0.98	17.5	1.08	0.00	0.01	99.4	52.0
MLV36	5	22	50.8	0.17	0.42	0.01	28.8	0.88	17.6	1.01	0.02	0.00	99.8	52.1
MLV36	5	34	50.7	0.14	0.43	0.01	28.5	0.92	17.7	1.00	0.00	0.01	99.4	52.6
MLV36	5	45	50.7	0.14	0.41	0.01	28.0	0.97	18.1	1.02	0.01	0.01	99.3	53.5
MLV36	5	57	50.8	0.13	0.35	0.02	27.8	0.91	18.6	0.92	0.01	0.02	99.4	54.4
MLV36	5	67	51.0	0.12	0.33	0.01	27.5	0.90	19.1	1.01	0.00	0.01	99.9	55.3
MLV36	6	0	50.7	0.22	1.05	0.01	25.2	0.77	19.9	1.23	0.01	0.00	99.0	58.4
MLV36	6	22	51.1	0.23	0.94	0.01	25.0	0.73	19.4	1.74	0.02	0.01	99.1	58.1
MLV36	6	34	51.5	0.19	0.84	0.01	25.0	0.70	20.2	1.21	0.02	0.00	99.6	59.0
MLV36	6	45	50.4	0.23	0.88	0.00	24.5	0.70	20.0	1.18	0.01	0.01	97.9	59.2
MLV36	6	56	51.3	0.20	0.71	0.02	25.0	0.77	20.3	1.16	0.01	0.00	99.4	59.2
MLV36	6	68	51.4	0.19	0.75	0.03	25.3	0.77	20.1	1.18	0.02	0.01	99.6	58.6
MLV36	6	79	51.1	0.17	0.52	0.02	25.3	0.76	20.1	1.09	0.01	0.02	99.1	58.6
MLV36	6	90	51.0	0.18	1.04	0.00	26.2	0.69	19.5	1.09	0.02	0.01	99.7	57.0
MLV36	6	102	51.2	0.17	0.81	0.00	26.1	0.83	19.5	1.05	0.02	0.02	99.7	57.2
MLV36	7	0	50.6	0.23	0.93	0.01	24.6	0.76	19.5	1.56	0.03	0.02	98.2	58.6
MLV36	7	11	50.2	0.26	1.03	0.01	24.9	0.71	19.6	1.51	0.03	0.03	98.3	58.4
MLV36	7	22	50.9	0.23	1.01	0.01	25.0	0.79	19.9	1.32	0.03	0.02	99.1	58.6
MLV36	7	33	51.7	0.18	0.77	0.01	24.7	0.75	20.3	1.16	0.02	0.02	99.7	59.4
MLV36	7	44	51.4	0.16	0.64	0.03	25.4	0.72	19.8	1.13	0.01	0.01	99.3	58.2
MLV36	7	55	50.9	0.18	0.55	0.00	25.8	0.75	19.7	1.15	0.00	0.03	99.0	57.6
MLV36	8	0	50.0	0.16	0.41	0.01	29.4	0.88	17.2	1.01	0.01	0.01	99.1	51.1
MLV36	8	10	50.2	0.12	0.45	0.01	29.3	0.88	17.4	1.10	0.00	0.01	99.5	51.5
MLV36	8	19	50.2	0.16	0.44	0.01	29.0	0.95	17.7	1.12	0.04	0.02	99.7	52.1
MLV36	8	29	50.7	0.15	0.39	0.01	27.9	0.89	18.1	1.08	0.02	0.04	99.3	53.6
MLV36	8	38	50.6	0.16	0.44	0.01	28.4	0.90	17.9	1.06	0.02	0.02	99.5	52.9
MLV36	8	48	50.6	0.14	0.41	0.00	28.7	0.89	17.9	1.01	0.01	0.01	99.6	52.6
MLV36	8	57	50.5	0.15	0.39	0.01	27.9	0.86	18.5	1.13	0.01	0.02	99.6	54.2
MLV36	8	67	41.6	0.19	1.42	0.04	27.1	0.79	15.6	1.11	0.05	0.01	87.9	50.6
MLV36	8	76	50.2	0.19	0.54	0.02	26.6	0.81	19.4	1.27	0.04	0.01	99.1	56.5
MLV36	8	86	49.9	0.16	0.50	0.02	26.7	0.73	19.2	1.21	0.01	0.03	98.4	56.2
MLV36	8	95	49.8	0.17	0.62	0.00	26.6	0.82	19.2	1.17	0.02	0.00	98.5	56.3
MLV36	8	105	50.1	0.17	0.55	0.01	26.9	0.71	19.0	1.18	0.01	0.03	98.7	55.7
MLV36	9	0	49.9	0.37	1.90	0.01	25.5	0.75	19.2	1.42	0.02	0.05	99.1	57.3
MLV36	9	10	49.8	0.32	1.82	0.01	26.6	0.74	18.8	1.43	0.04	0.00	99.6	55.8
MLV36	9	20	50.7	0.27	1.18	0.02	26.7	0.74	18.9	1.31	0.01	0.02	99.9	55.7

MLV36	9	30	50.6	0.25	0.84	0.03	27.1	0.79	19.0	1.16	0.01	0.03	99.8	55.6
MLV36	9	40	50.6	0.31	0.83	0.00	27.0	0.79	19.0	1.18	0.01	0.01	99.7	55.6
MLV36	9	49	50.8	0.17	0.60	0.02	26.8	0.76	19.0	1.11	0.03	0.02	99.3	55.9
MLV36	9	59	50.7	0.20	0.80	0.01	27.0	0.78	18.8	1.28	0.02	0.01	99.5	55.4
MLV36	9	69	50.3	0.17	0.64	0.02	27.6	0.81	18.5	1.23	0.01	0.01	99.3	54.5
MLV36	9	79	50.7	0.18	0.69	0.02	27.8	0.84	18.4	1.18	0.02	0.00	99.8	54.1
MLV36	9	89	50.5	0.14	0.56	0.01	27.5	0.83	18.6	1.16	0.00	0.01	99.3	54.7
MLV36	9	98	50.3	0.16	0.99	0.02	28.1	0.83	18.6	0.99	0.06	0.00	99.9	54.2
MLV36	9	108	51.1	0.12	0.41	0.01	27.8	0.92	18.8	1.04	0.02	0.02	100.2	54.7
MLV36	9	118	50.7	0.14	0.55	0.01	27.3	0.80	18.7	1.07	0.02	0.00	99.3	54.9
MLV36	9	128	50.5	0.14	0.54	0.02	26.7	0.80	18.9	1.09	0.04	0.01	98.7	55.9
MLV36	9	137	50.8	0.14	0.56	0.04	25.9	0.85	19.7	1.09	0.02	0.04	99.1	57.6
MLV36	10	11	50.2	0.40	1.72	0.01	12.1	0.39	13.5	19.20	0.32	0.00	97.8	66.5
MLV36	10	23	50.5	0.26	1.05	0.02	22.9	0.69	20.5	1.92	0.03	0.01	97.9	61.4
MLV36	10	34	50.4	0.23	2.74	0.00	23.7	0.63	20.8	1.37	0.02	0.00	99.9	61.0
MLV36	10	45	51.2	0.19	0.88	0.03	24.2	0.70	20.7	1.26	0.00	0.01	99.1	60.3
MLV36	10	57	51.5	0.19	0.95	0.00	24.3	0.67	20.9	1.22	0.01	0.02	99.7	60.5
MLV36	10	68	50.7	0.21	0.90	0.01	24.4	0.69	20.4	1.17	0.00	0.03	98.3	59.8
MLV36	10	79	51.2	0.20	0.81	0.04	24.6	0.64	20.6	1.19	0.00	0.00	99.2	59.9
MLV36	10	91	50.8	0.20	0.80	0.02	24.2	0.70	20.0	1.37	0.01	0.01	98.2	59.6
MLV36	10	102	51.1	0.18	1.79	0.01	24.2	0.74	20.4	1.21	0.15	0.04	99.8	60.0
MLV36	11	0	50.9	0.17	1.13	0.02	26.0	0.77	19.2	1.05	0.01	0.01	99.2	56.8
MLV36	11	12	51.4	0.18	0.58	0.03	25.7	0.76	20.2	1.03	0.03	0.02	99.9	58.3
MLV36	11	25	51.0	0.18	0.71	0.01	25.0	0.76	20.4	1.10	0.00	0.02	99.1	59.3
MLV36	11	37	52.1	0.17	0.64	0.01	24.3	0.79	20.8	1.07	0.02	0.00	99.9	60.4
MLV36	11	50	51.8	0.18	0.75	0.05	24.4	0.75	20.9	1.08	0.00	0.02	100.0	60.4
MLV36	11	63	51.9	0.14	0.59	0.03	23.8	0.75	21.5	0.87	0.01	0.02	99.5	61.6
MLV36	11	76	52.1	0.09	0.54	0.01	23.5	0.81	21.6	0.87	0.01	0.03	99.5	62.2
MLV36	11	88	51.0	0.10	1.18	0.01	23.7	0.70	21.1	0.73	0.02	0.01	98.6	61.4
MLV36	11	101	51.4	0.07	0.90	0.00	23.6	0.68	21.7	0.61	0.00	0.01	99.0	62.1
MLV36	11	114	51.8	0.09	0.56	0.03	23.3	0.80	21.9	0.86	0.01	0.02	99.3	62.6
MLV36	11	127	51.7	0.07	0.65	0.03	23.6	0.79	21.8	0.78	0.00	0.02	99.3	62.2
MLV36	11	139	52.0	0.09	0.48	0.01	23.4	0.65	22.0	0.79	0.01	0.01	99.3	62.6
MLV36	11	152	51.4	0.16	0.82	0.02	24.0	0.66	21.0	1.15	0.02	0.00	99.3	60.9
MLV36	11	165	51.5	0.11	0.71	0.01	23.9	0.77	21.5	1.11	0.01	0.02	99.6	61.6
MLV36	11	177	52.3	0.12	0.67	0.01	23.8	0.72	21.2	1.03	0.00	0.00	99.9	61.4
MLV36	11	190	51.8	0.16	0.83	0.01	24.7	0.74	20.6	1.11	0.02	0.01	100.0	59.8
MLV36	12	0	50.9	0.11	0.53	0.02	27.3	0.81	18.7	0.99	0.02	0.04	99.4	55.1
MLV36	12	10	51.2	0.12	0.71	0.02	27.2	0.92	18.9	0.99	0.06	0.01	100.2	55.4
MLV36	12	20	50.8	0.12	0.50	0.00	27.0	0.87	18.8	0.90	0.01	0.01	99.0	55.4
MLV36	12	30	50.8	0.13	0.53	0.02	27.3	0.84	19.0	0.82	0.00	0.01	99.4	55.4
MLV36	12	40	51.2	0.14	0.96	0.01	26.7	0.74	19.4	0.89	0.03	0.01	100.0	56.4
MLV36	12	50	51.4	0.11	0.47	0.02	26.6	0.76	19.8	0.85	0.01	0.01	100.1	57.1
MLV36	12	60	50.5	0.19	1.05	0.06	26.5	0.79	19.2	1.06	0.01	0.01	99.3	56.4
MLV36	12	70	50.6	0.19	1.33	0.03	26.2	0.70	19.5	1.17	0.06	0.00	99.8	57.0
MLV36	12	80	51.5	0.11	0.57	0.01	26.4	0.85	19.7	1.00	0.01	0.02	100.2	57.0
MLV36	12	90	51.3	0.14	0.65	0.00	25.7	0.79	19.3	0.96	0.07	0.04	99.0	57.2
MLV36	12	100	50.9	0.09	0.44	0.03	26.5	0.84	19.3	0.90	0.03	0.01	99.0	56.5
MLV36	12	110	51.5	0.17	0.59	0.02	26.6	0.86	19.5	1.01	0.02	0.02	100.3	56.6
MLV36	13	0	51.1	0.21	0.56	0.00	25.4	0.75	19.8	0.99	0.02	0.02	98.8	58.1
MLV36	13	8	51.0	0.18	0.64	0.02	26.4	0.82	19.0	1.17	0.02	0.01	99.3	56.2
MLV36	13	16	51.2	0.13	0.60	0.01	27.0	0.79	18.9	1.13	0.01	0.00	99.7	55.5
MLV36	13	24	51.2	0.19	0.53	0.01	26.9	0.82	19.2	1.10	0.02	0.01	99.9	56.0
MLV36	13	33	51.8	0.14	0.64	0.00	25.7	0.82	20.0	1.03	0.03	0.05	100.2	58.2
MLV36	13	41	51.0	0.15	0.48	0.03	26.3	0.77	19.4	0.98	0.02	0.03	99.0	56.8
MLV36	13	48	50.7	0.19	0.74	0.02	26.5	0.82	19.3	1.14	0.02	0.01	99.4	56.4
MLV36	13	57	51.0	0.23	1.20	0.01	24.4	0.68	20.3	1.26	0.03	0.02	99.1	59.8
MLV36	13	65	51.0	0.20	0.97	0.01	24.0	0.64	20.6	1.32	0.02	0.03	98.8	60.5
MLV36	13	74	51.4	0.20	0.85	0.00	24.8	0.71	20.4	1.27	0.02	0.05	99.6	59.4
MLV36	13	82	51.6	0.18	0.91	0.02	24.9	0.71	20.2	1.11	0.03	0.01	99.6	59.1
MLV36	13	90	40.3	0.15	20.34	0.02	20.5	0.61	14.5	1.10	0.12	0.01	97.6	55.8
MLV36	14	0	50.8	0.23	1.17	0.00	26.5	0.78	18.7	1.28	0.02	0.02	99.5	55.7
MLV36	14	6	50.4	0.21	1.04	0.00	26.7	0.82	18.4	1.20	0.04	0.01	98.9	55.1
MLV36	14	11	50.6	0.17	0.56	0.02	27.0	0.87	18.9	1.09	0.01	0.02	99.2	55.5

MLV36	14	16	50.9	0.19	0.56	0.01	26.8	0.79	19.1	1.04	0.01	0.02	99.4	56.0
MLV36	14	21	52.0	0.16	1.46	0.01	25.9	0.82	18.4	1.48	0.22	0.09	100.5	55.9
MLV37	1	0	50.8	0.15	0.65	0.02	25.7	0.80	19.6	1.24	0.01	0.03	98.9	57.7
MLV37	1	10	51.4	0.14	0.56	0.01	25.7	0.80	20.2	1.19	0.00	0.01	99.9	58.4
MLV37	1	20	51.2	0.15	0.54	0.01	25.4	0.75	20.1	1.15	0.00	0.00	99.2	58.5
MLV37	1	30	51.2	0.16	0.57	0.01	25.6	0.76	20.2	1.21	0.04	0.00	99.7	58.5
MLV37	1	41	50.5	0.17	0.57	0.01	26.2	0.81	19.0	1.11	0.04	0.00	98.3	56.4
MLV37	1	51	50.9	0.19	0.50	0.01	26.3	0.83	19.4	1.07	0.03	0.02	99.1	56.8
MLV37	1	61	51.8	0.15	0.33	0.02	26.5	0.85	19.7	1.01	0.01	0.01	100.5	57.0
MLV37	1	71	50.9	0.13	0.36	0.01	26.2	0.86	19.6	0.97	0.03	0.00	99.0	57.2
MLV37	1	81	50.8	0.13	0.51	0.03	26.5	0.85	19.4	1.08	0.02	0.02	99.3	56.6
MLV37	1	92	51.2	0.16	0.47	0.00	26.3	0.83	19.4	1.09	0.02	0.00	99.4	56.8
MLV37	2	0	50.9	0.15	0.58	0.02	26.9	0.87	18.5	1.24	0.02	0.00	99.1	55.0
MLV37	2	11	50.3	0.21	0.67	0.01	26.5	0.82	18.9	1.04	0.04	0.01	98.4	56.0
MLV37	2	23	50.7	0.14	0.83	0.02	26.7	0.80	18.7	1.10	0.01	0.01	99.0	55.5
MLV37	2	35	50.9	0.13	0.43	0.02	27.1	0.87	18.6	1.12	0.00	0.01	99.2	55.0
MLV37	2	47	51.0	0.14	0.34	0.01	27.4	0.81	18.3	1.19	0.02	0.02	99.3	54.4
MLV37	2	59	51.0	0.15	0.43	0.02	27.4	0.93	18.7	1.20	0.01	0.00	99.9	54.9
MLV37	2	71	51.9	0.13	0.41	0.02	25.8	0.92	20.0	1.10	0.01	0.01	100.3	58.0
MLV37	2	82	48.7	0.16	0.52	0.03	25.7	0.82	18.1	2.55	0.02	0.00	96.5	55.7
MLV37	2	95	50.7	0.27	0.63	0.00	27.1	0.86	18.5	1.09	0.02	0.01	99.2	54.9
MLV37	2	106	50.5	0.23	0.61	0.01	27.6	0.94	17.9	1.34	0.02	0.09	99.2	53.7
MLV37	2	118	50.8	0.09	0.49	0.01	27.8	0.81	18.0	1.08	0.01	0.01	99.1	53.5
MLV37	2	130	50.8	0.10	0.49	0.01	28.3	0.92	17.9	0.95	0.02	0.00	99.4	53.0
MLV37	2	142	50.2	0.15	0.49	0.02	28.3	0.85	17.7	1.08	0.02	0.02	98.9	52.8
MLV37	2	154	51.6	0.18	0.51	0.01	26.4	0.83	19.2	1.14	0.03	0.01	99.8	56.5
MLV37	3	0	50.4	0.20	0.99	0.01	26.3	0.81	18.8	1.25	0.02	0.01	98.8	56.0
MLV37	3	10	50.0	0.32	1.66	0.01	26.9	0.75	18.3	1.49	0.05	0.02	99.6	54.8
MLV37	3	20	50.1	0.29	1.24	0.03	27.3	0.76	18.5	1.30	0.02	0.02	99.5	54.7
MLV37	3	39	50.4	0.19	1.33	0.01	27.2	0.76	18.5	1.19	0.00	0.00	99.6	54.8
MLV37	3	50	49.7	0.18	1.09	0.01	27.1	0.84	18.5	1.10	0.01	0.02	98.5	54.8
MLV37	3	59	50.9	0.13	0.56	0.02	27.1	0.80	18.4	1.13	0.02	0.03	99.0	54.8
MLV37	3	69	50.7	0.15	0.70	0.01	27.2	0.73	18.4	1.21	0.03	0.02	99.1	54.6
MLV37	3	79	50.3	0.17	0.89	0.05	27.4	0.73	18.5	1.22	0.01	0.01	99.1	54.6
MLV37	3	88	51.0	0.17	0.60	0.01	27.2	0.76	18.6	1.15	0.02	0.01	99.5	54.9
MLV37	3	98	50.5	0.12	0.59	0.01	27.1	0.82	18.7	1.14	0.01	0.03	99.1	55.2
MLV37	3	108	50.7	0.16	0.52	0.01	26.6	0.81	18.8	1.16	0.01	0.01	98.7	55.7
MLV37	3	117	50.9	0.12	0.42	0.01	26.8	0.86	18.9	1.28	0.01	0.02	99.3	55.7
MLV37	3	127	51.0	0.16	0.53	0.03	26.6	0.82	18.9	1.28	0.01	0.02	99.4	55.9
MLV37	3	138	51.0	0.15	1.02	0.01	26.6	0.85	18.6	1.30	0.00	0.02	99.6	55.5
MLV37	3	147	51.0	0.15	0.62	0.00	26.8	0.78	18.7	1.21	0.02	0.02	99.3	55.4
MLV37	3	157	50.8	0.15	0.54	0.01	26.9	0.80	18.6	1.19	0.01	0.01	99.0	55.3
MLV37	3	167	51.2	0.13	0.51	0.00	26.9	0.87	18.8	1.15	0.01	0.00	99.4	55.5
MLV37	3	176	50.6	0.12	0.45	0.03	26.9	0.86	18.9	1.02	0.02	0.01	98.7	55.6
MLV37	3	186	51.1	0.13	0.45	0.02	27.1	0.79	19.0	1.11	0.02	0.01	99.8	55.5
MLV37	3	196	51.2	0.16	0.49	0.02	26.7	0.74	19.0	1.11	0.01	0.02	99.5	55.9
MLV37	3	205	51.0	0.13	0.47	0.01	27.1	0.84	18.7	1.11	0.03	0.01	99.4	55.2
MLV37	3	216	50.8	0.17	0.51	0.01	27.0	0.86	18.7	1.11	0.00	0.01	99.2	55.3
MLV37	3	226	50.6	0.13	0.46	0.02	27.1	0.83	18.5	1.14	0.00	0.01	98.7	54.9
MLV37	3	235	50.6	0.13	0.43	0.00	27.3	0.90	18.3	1.03	0.03	0.02	98.7	54.4
MLV37	3	245	51.0	0.10	0.43	0.01	27.9	0.90	18.3	1.10	0.02	0.01	99.7	53.8
MLV37	3	254	50.7	0.11	0.43	0.03	27.7	0.90	17.7	1.10	0.01	0.01	98.6	53.3
MLV37	4	0	50.6	0.14	0.69	0.02	26.4	0.90	18.8	1.25	0.00	0.01	98.8	55.8
MLV37	4	13	50.3	0.17	0.82	0.00	27.6	0.86	17.9	1.34	0.02	0.01	98.9	53.6
MLV37	4	39	50.4	0.16	0.63	0.01	28.2	0.89	17.8	1.32	0.00	0.01	99.5	53.0
MLV37	4	52	50.7	0.13	0.43	0.03	27.1	0.86	18.4	1.05	0.03	0.02	98.7	54.8
MLV37	4	65	51.5	0.13	0.41	0.01	26.6	0.89	19.2	1.11	0.01	0.01	99.9	56.2
MLV37	4	78	51.1	0.11	0.36	0.01	26.8	0.92	18.6	1.02	0.03	0.00	99.0	55.3
MLV37	4	91	50.9	0.16	0.49	0.03	27.0	0.88	18.8	1.02	0.00	0.02	99.3	55.4
MLV37	4	104	51.5	0.14	0.56	0.02	26.4	0.86	19.2	1.10	0.02	0.01	99.8	56.5
MLV37	4	116	53.3	0.17	2.45	0.01	24.6	0.76	17.6	1.32	0.37	0.45	101.1	56.1
MLV37	5	0	51.1	0.21	0.68	0.03	25.5	0.68	19.5	1.23	0.01	0.01	98.9	57.7
MLV37	5	17	50.6	0.22	0.68	0.00	25.6	0.80	19.3	1.21	0.01	0.01	98.4	57.3
MLV37	5	35	48.8	0.17	5.80	0.00	24.5	0.73	16.8	1.09	0.22	0.31	98.4	55.0

MLV37	5	52	50.6	0.22	0.79	0.02	26.0	0.81	19.2	1.40	0.03	0.00	99.0	56.8
MLV37	5	71	50.5	0.20	0.85	0.05	26.0	0.73	19.4	1.25	0.03	0.03	99.0	57.1
MLV37	5	88	50.6	0.16	0.74	0.03	26.3	0.76	19.5	1.14	0.00	0.03	99.2	57.0
MLV37	5	106	50.2	0.18	0.75	0.03	25.9	0.82	19.3	1.14	0.03	0.00	98.3	57.0
MLV37	5	123	51.0	0.20	0.69	0.03	25.8	0.79	19.5	1.08	0.03	0.02	99.1	57.3
MLV37	5	142	50.7	0.20	0.74	0.00	26.4	0.81	19.2	1.20	0.01	0.01	99.2	56.5
MLV37	5	159	51.0	0.17	0.60	0.01	26.5	0.78	19.1	1.13	0.01	0.01	99.2	56.2
MLV37	5	176	51.0	0.15	0.57	0.03	26.4	0.74	19.3	1.17	0.03	0.03	99.4	56.7
MLV37	5	194	50.4	0.18	0.98	0.01	26.6	0.84	18.7	1.22	0.04	0.03	98.9	55.6
MLV37	6	0	51.1	0.13	0.41	0.04	26.2	0.87	19.2	1.19	0.02	0.01	99.2	56.7
MLV37	6	8	50.9	0.14	0.39	0.00	26.5	0.76	19.2	1.00	0.03	0.00	98.9	56.3
MLV37	6	17	50.6	0.15	0.40	0.00	26.3	0.79	19.2	1.11	0.02	0.02	98.7	56.5
MLV37	6	25	51.0	0.13	0.52	0.01	26.2	0.81	19.1	1.07	0.01	0.02	98.8	56.5
MLV37	6	33	51.3	0.13	0.45	0.02	26.9	0.85	19.2	1.07	0.01	0.00	99.8	56.0
MLV37	6	42	50.9	0.10	0.51	0.01	26.9	0.82	19.2	0.69	0.00	0.01	99.0	56.0
MLV37	6	50	51.2	0.08	0.48	0.00	27.2	0.86	19.5	0.79	0.01	0.01	100.2	56.2
MLV37	6	58	51.0	0.09	0.41	0.01	26.8	0.88	19.3	0.61	0.02	0.01	99.1	56.2
MLV37	6	67	50.9	0.10	0.39	0.00	26.8	0.88	19.2	0.73	0.02	0.00	99.0	56.1
MLV37	6	75	50.9	0.08	0.43	0.02	26.7	0.93	19.3	0.67	0.02	0.01	99.0	56.3
MLV37	6	84	51.2	0.09	0.43	0.01	26.6	0.92	19.4	0.64	0.01	0.00	99.3	56.5
MLV37	6	92	50.5	0.05	0.37	0.00	26.1	0.90	19.7	0.69	0.01	0.01	98.3	57.4
MLV37	6	100	51.4	0.08	0.46	0.00	26.5	0.81	19.9	0.76	0.07	0.00	100.0	57.2
MLV37	6	108	51.2	0.12	0.45	0.01	26.3	0.81	19.8	0.85	0.03	0.00	99.6	57.2
MLV37	6	117	51.2	0.10	0.41	0.02	25.7	0.84	19.9	1.03	0.03	0.01	99.2	58.0
MLV37	6	126	51.5	0.11	0.54	0.01	25.8	0.82	20.0	0.98	0.02	0.03	99.9	58.1
MLV37	7	0	50.8	0.12	0.61	0.02	25.7	0.82	19.9	1.07	0.02	0.00	99.0	57.9
MLV37	7	8	50.2	0.15	0.70	0.02	27.5	0.92	18.2	0.80	0.00	0.00	98.5	54.1
MLV37	7	16	50.5	0.12	0.59	0.01	27.7	0.90	18.2	0.79	0.02	0.00	98.9	54.0
MLV37	7	24	50.8	0.11	0.41	0.01	27.6	0.84	18.3	0.85	0.01	0.00	98.9	54.2
MLV37	7	32	51.0	0.17	0.53	0.01	27.3	0.87	18.7	1.05	0.01	0.02	99.7	55.0
MLV37	7	40	50.8	0.13	0.57	0.02	27.8	0.91	18.2	1.06	0.01	0.02	99.4	53.9
MLV37	7	48	50.9	0.14	0.51	0.02	26.9	0.83	18.8	1.07	0.01	0.01	99.2	55.5
MLV37	7	56	50.8	0.17	0.53	0.02	26.7	0.87	18.8	1.03	0.01	0.01	99.0	55.7
MLV37	7	64	51.2	0.14	0.55	0.02	25.8	0.87	19.2	1.01	0.01	0.04	98.8	57.1
MLV37	8	0	51.2	0.12	0.56	0.01	27.4	0.79	18.4	1.07	0.02	0.03	99.5	54.5
MLV37	8	9	50.6	0.14	1.05	0.01	26.6	0.72	18.5	1.03	0.02	0.01	98.7	55.4
MLV37	8	19	51.1	0.13	0.38	0.01	26.5	0.80	19.1	0.97	0.02	0.01	99.1	56.3
MLV37	8	29	51.3	0.09	0.36	0.01	26.5	0.79	19.5	0.84	0.03	0.02	99.4	56.7
MLV37	8	39	51.5	0.10	0.49	0.01	25.9	0.81	19.5	0.82	0.00	0.05	99.2	57.3
MLV37	8	50	51.0	0.09	0.40	0.01	26.0	0.82	19.6	0.93	0.00	0.00	98.9	57.3
MLV37	8	59	51.4	0.15	0.51	0.02	25.9	0.83	19.8	1.07	0.01	0.02	99.6	57.6
MLV37	8	70	50.7	0.16	0.62	0.01	25.3	0.79	19.7	1.08	0.02	0.02	98.5	58.1
MLV37	8	80	51.1	0.18	0.57	0.02	25.8	0.80	19.5	1.07	0.00	0.02	99.0	57.4
MLV37	9	0	50.1	0.12	0.63	0.06	26.1	0.81	19.1	1.06	0.04	0.00	97.9	56.6
MLV37	9	10	50.6	0.13	0.73	0.03	25.2	0.75	19.7	1.01	0.03	0.01	98.1	58.2
MLV37	9	21	51.5	0.14	0.62	0.02	26.0	0.71	20.3	1.01	0.02	0.02	100.4	58.1
MLV37	9	33	51.2	0.10	0.46	0.03	26.6	0.79	19.4	0.88	0.00	0.00	99.4	56.6
MLV37	9	44	50.6	0.17	0.70	0.00	25.7	0.80	19.8	1.01	0.01	0.00	98.8	57.8
MLV37	9	55	50.7	0.16	0.87	0.03	26.2	0.80	19.7	1.10	0.02	0.02	99.5	57.4
MLV37	9	66	51.6	0.19	0.81	0.05	26.0	0.77	20.0	1.09	0.02	0.01	100.6	57.8
MLV37	9	77	51.5	0.17	0.82	0.09	25.9	0.76	19.6	1.04	0.01	0.01	99.9	57.4
MLV37	9	89	50.3	0.20	0.77	0.06	25.0	0.81	19.7	1.03	0.02	0.00	97.8	58.4
MLV37	9	100	51.6	0.16	0.76	0.06	25.3	0.73	20.4	0.98	0.00	0.01	99.9	59.0
MLV37	9	111	50.7	0.14	0.81	0.03	24.5	0.64	20.7	1.14	0.02	0.01	98.7	60.1
MLV37	9	122	51.4	0.16	0.75	0.06	24.6	0.68	20.9	1.11	0.01	0.02	99.7	60.3
MLV37	9	133	51.6	0.14	0.78	0.05	24.4	0.65	21.2	1.01	0.01	0.01	99.7	60.7
MLV37	9	144	51.7	0.15	0.70	0.06	23.7	0.70	21.3	1.01	0.00	0.02	99.3	61.6
MLV37	9	155	52.0	0.18	1.01	0.06	23.8	0.74	21.4	1.05	0.01	0.00	100.3	61.5
MLV37	9	166	51.3	0.17	0.82	0.04	23.5	0.68	21.7	1.12	0.02	0.01	99.3	62.2
MLV37	9	177	52.0	0.17	0.79	0.05	23.4	0.67	21.7	1.21	0.01	0.01	100.0	62.3
MLV37	9	188	52.4	0.19	1.05	0.03	23.4	0.73	22.0	1.16	0.01	0.02	100.9	62.6
MLV37	9	200	51.6	0.21	0.74	0.02	23.4	0.68	21.6	1.14	0.00	0.03	99.5	62.2
MLV37	9	211	51.0	0.16	0.85	0.05	22.5	0.68	21.6	1.07	0.01	0.02	98.0	63.1
MLV37	9	222	51.4	0.16	0.82	0.05	22.9	0.74	21.4	1.17	0.00	0.00	98.7	62.5

MLV37	9	233	52.0	0.15	0.82	0.07	23.5	0.67	21.6	1.15	0.01	0.01	99.9	62.2
MLV37	9	245	51.4	0.17	0.82	0.02	23.2	0.71	21.5	1.13	0.02	0.00	98.9	62.3
MLV37	9	256	52.1	0.19	0.74	0.07	23.2	0.69	21.7	1.15	0.00	0.02	99.8	62.5
MLV37	9	267	51.2	0.18	0.76	0.05	22.9	0.62	21.4	1.16	0.02	0.00	98.4	62.5
MLV37	9	278	51.1	0.17	0.86	0.06	23.2	0.71	20.9	1.18	0.02	0.01	98.3	61.7
MLV37	10	0	51.4	0.15	0.69	0.06	25.2	0.76	20.4	1.07	0.01	0.00	99.7	59.0
MLV37	10	15	51.7	0.15	0.77	0.05	24.7	0.75	20.6	1.03	0.02	0.02	99.7	59.8
MLV37	10	30	51.3	0.11	1.02	0.05	24.5	0.76	20.7	1.02	0.01	0.01	99.4	60.1
MLV37	10	45	51.3	0.13	0.60	0.01	24.8	0.77	20.9	0.99	0.02	0.02	99.5	60.1
MLV37	10	60	51.5	0.14	0.61	0.05	23.7	0.75	21.1	1.04	0.00	0.01	98.9	61.4
MLV37	10	75	52.1	0.10	0.49	0.03	23.8	0.78	21.6	0.94	0.02	0.01	99.9	61.8
MLV37	10	90	51.3	0.16	0.95	0.05	23.4	0.69	21.2	1.04	0.02	0.01	98.8	61.7
MLV37	10	105	51.5	0.15	0.78	0.03	23.5	0.68	21.4	1.10	0.01	0.05	99.1	61.9
MLV37	10	119	51.8	0.11	0.55	0.02	22.9	0.71	22.0	1.08	0.02	0.01	99.1	63.1
MLV37	10	135	52.4	0.12	0.60	0.01	23.3	0.70	21.9	1.02	0.00	0.02	100.1	62.6
MLV37	10	149	51.1	0.16	1.06	0.04	22.9	0.69	21.7	1.16	0.01	0.00	98.9	62.8
MLV37	10	165	51.5	0.17	0.76	0.02	23.6	0.65	21.9	1.05	0.02	0.02	99.6	62.3
MLV37	10	180	51.2	0.12	0.74	0.01	23.6	0.70	21.5	1.07	0.01	0.02	98.9	61.8
MLV37	10	195	51.5	0.18	0.72	0.00	24.3	0.75	21.3	1.15	0.01	0.02	99.9	60.9
MLV37	10	210	51.2	0.17	0.63	0.02	24.2	0.70	20.7	1.20	0.01	0.02	98.8	60.4
MLV37	10	225	51.3	0.16	0.62	0.01	25.5	0.78	20.4	1.07	0.01	0.01	99.9	58.8
MLV37	11	0	51.6	0.10	0.39	0.01	25.3	0.84	19.9	1.11	0.01	0.03	99.2	58.3
MLV37	11	9	51.2	0.10	0.33	0.00	26.6	0.88	19.0	1.07	0.03	0.01	99.2	55.9
MLV37	11	19	50.3	0.13	0.40	0.00	27.9	0.95	18.4	1.10	0.01	0.01	99.2	54.0
MLV37	11	29	50.2	0.15	0.75	0.02	27.4	0.80	18.0	1.08	0.03	0.03	98.5	53.9
MLV37	11	38	50.8	0.18	1.50	0.02	27.2	0.78	18.1	0.98	0.11	0.05	99.7	54.3
MLV37	11	48	51.2	0.14	1.19	0.04	24.7	0.67	20.6	0.89	0.00	0.02	99.5	59.8
MLV37	11	58	51.6	0.17	2.52	0.04	19.9	0.33	24.2	1.08	0.00	0.02	99.8	68.5
MLV37	11	67	51.7	0.20	3.40	0.06	17.2	0.34	25.5	1.09	0.01	0.04	99.5	72.6
MLV37	11	77	51.8	0.15	3.62	0.30	15.7	0.25	26.2	1.17	0.04	0.00	99.3	74.8
MLV37	11	87	53.9	0.15	3.53	0.17	14.0	0.29	24.1	1.91	0.21	0.32	98.6	75.4
MLV37	11	97	53.3	0.17	2.73	0.16	16.1	0.30	26.7	1.06	0.01	0.02	100.5	74.8
MLV37	11	107	53.6	0.17	1.17	0.06	15.9	0.35	27.1	1.01	0.01	0.00	99.3	75.2
MLV37	11	117	52.6	0.15	1.25	0.10	18.9	0.40	24.9	1.07	0.01	0.01	99.4	70.2
MLV37	11	126	51.8	0.19	1.18	0.07	23.0	0.53	22.3	0.86	0.01	0.03	100.0	63.4
MLV37	11	136	50.2	0.22	2.23	0.01	25.2	0.76	19.6	0.97	0.05	0.01	99.2	58.0
MLV37	11	146	50.8	0.16	0.55	0.00	26.6	0.80	19.4	0.84	0.01	0.03	99.2	56.5
MLV37	11	155	51.3	0.10	0.47	0.02	26.8	0.89	19.3	0.89	0.00	0.01	99.8	56.2
MLV37	11	165	50.7	0.13	0.52	0.02	26.5	0.80	19.0	1.10	0.02	0.00	98.8	56.1
MLV37	11	175	50.6	0.13	0.45	0.01	27.1	0.85	19.0	1.08	0.01	0.00	99.2	55.5
MLV37	11	185	51.0	0.13	0.40	0.00	27.3	0.85	18.7	1.02	0.03	0.03	99.5	54.9
MLV37	12	0	51.0	0.17	0.64	0.01	26.1	0.80	19.6	1.23	0.02	0.02	99.5	57.3
MLV37	12	20	51.2	0.17	0.63	0.01	26.1	0.83	19.7	1.13	0.01	0.01	99.7	57.3
MLV37	12	40	51.0	0.22	0.63	0.01	26.0	0.73	19.6	1.14	0.03	0.01	99.3	57.4
MLV37	12	60	50.6	0.18	0.61	0.01	25.7	0.80	19.7	1.09	0.02	0.02	98.7	57.7
MLV37	12	80	50.8	0.17	0.63	0.03	25.8	0.85	19.3	1.20	0.01	0.02	98.8	57.1
MLV37	12	100	50.7	0.16	0.62	0.00	25.9	0.73	19.5	1.16	0.02	0.02	98.7	57.2
MLV37	12	120	50.9	0.17	0.63	0.01	26.3	0.80	19.7	1.15	0.00	0.02	99.6	57.2
MLV37	12	139	51.4	0.19	0.65	0.02	26.0	0.87	19.5	1.24	0.02	0.01	99.7	57.2
MLV37	12	159	51.1	0.18	0.67	0.01	26.0	0.76	19.8	1.17	0.01	0.01	99.7	57.6
MLV37	12	179	50.8	0.18	0.63	0.00	26.1	0.79	19.6	1.15	0.00	0.01	99.3	57.2
MLV37	12	198	51.0	0.13	0.72	0.02	25.7	0.77	19.6	1.10	0.01	0.02	99.1	57.6
MLV37	12	218	50.9	0.15	0.65	0.03	26.1	0.84	19.5	1.13	0.04	0.02	99.4	57.2
MLV37	12	239	50.8	0.17	0.73	0.01	26.0	0.77	19.5	1.17	0.02	0.01	99.2	57.2
MLV37	12	258	51.1	0.18	0.72	0.02	25.9	0.74	19.4	1.28	0.01	0.01	99.3	57.1
MLV37	12	278	50.4	0.17	0.69	0.00	26.0	0.81	19.3	1.19	0.02	0.02	98.7	57.0
MLV37	12	298	50.7	0.14	0.66	0.01	26.2	0.77	19.4	1.27	0.02	0.01	99.1	56.9
MLV37	12	317	50.7	0.14	0.65	0.03	26.1	0.78	19.2	1.06	0.02	0.01	98.6	56.7
MLV37	12	337	50.8	0.20	0.60	0.01	26.1	0.81	19.4	1.31	0.02	0.02	99.2	57.0
MLV37	12	357	49.7	0.17	0.78	0.01	25.1	0.78	18.8	1.18	0.02	0.00	96.5	57.2
MLV37	12	377	51.2	0.19	0.66	0.02	25.8	0.73	19.5	1.17	0.01	0.01	99.3	57.4
MLV37	12	397	51.3	0.19	0.70	0.02	26.1	0.81	19.6	1.14	0.01	0.01	99.8	57.2
MLV37	12	417	50.8	0.17	0.70	0.01	26.0	0.80	19.4	1.17	0.01	0.01	99.1	57.1
MLV37	12	437	51.1	0.17	0.63	0.04	25.9	0.77	19.7	1.10	0.02	0.02	99.4	57.5

MLV37	12	456	51.4	0.16	0.61	0.01	25.8	0.76	19.8	1.04	0.02	0.01	99.6	57.7
MLV37	12	476	50.9	0.19	0.64	0.03	25.6	0.81	19.6	1.15	0.04	0.01	98.9	57.7
MLV37	12	496	51.0	0.16	0.56	0.01	25.5	0.78	19.8	1.08	0.02	0.00	98.9	58.1
MLV37	12	516	51.1	0.18	0.61	0.00	25.7	0.79	19.8	0.99	0.01	0.01	99.2	58.0
MLV37	12	536	52.3	0.19	1.16	0.04	25.1	0.74	18.7	1.10	0.15	0.19	99.6	57.1
MLV37	12	575	51.2	0.14	0.71	0.01	26.1	0.77	20.0	0.98	0.02	0.02	99.9	57.7
MLV37	12	595	51.5	0.17	0.74	0.01	26.1	0.78	19.6	1.25	0.03	0.01	100.2	57.2
MLV37	12	615	50.8	0.20	0.72	0.01	26.0	0.82	19.5	1.32	0.01	0.01	99.4	57.2
MLV37	12	634	50.9	0.18	0.82	0.02	25.6	0.74	19.5	1.42	0.03	0.01	99.2	57.6
MLV37	12	654	51.2	0.17	0.77	0.01	26.0	0.81	19.4	1.36	0.02	0.02	99.7	57.1
MLV37	12	675	50.7	0.15	0.60	0.02	25.6	0.79	19.3	1.18	0.01	0.01	98.4	57.4
MLV37	12	694	50.8	0.19	0.69	0.02	26.3	0.79	19.2	1.06	0.03	0.02	99.1	56.6
MLV37	12	714	51.5	0.19	0.60	0.02	26.0	0.80	19.4	1.16	0.04	0.01	99.7	57.1
MLV37	12	734	51.5	0.12	0.75	0.00	26.3	0.83	19.2	1.31	0.04	0.00	100.1	56.6
MLV37	12	753	50.4	0.14	0.91	0.03	26.1	0.75	19.3	1.12	0.01	0.03	98.8	56.9
MLV37	12	773	51.3	0.11	0.43	0.01	25.8	0.84	19.4	1.28	0.03	0.01	99.2	57.3
MLV37	12	793	50.8	0.18	0.55	0.00	26.0	0.81	19.4	1.14	0.01	0.00	98.8	57.1
MLV37	12	813	51.2	0.11	0.47	0.01	25.4	0.74	19.9	1.21	0.03	0.02	99.2	58.2
MLV37	13	0	51.2	0.11	0.50	0.03	26.4	0.65	19.6	0.97	0.00	0.05	99.5	56.9
MLV37	13	12	51.5	0.08	0.44	0.02	26.4	0.87	19.8	0.96	0.02	0.01	100.1	57.2
MLV37	13	33	51.4	0.12	0.45	0.01	26.5	0.79	19.6	0.89	0.01	0.02	99.8	56.8
MLV37	13	44	50.9	0.11	0.43	0.07	26.4	0.82	19.6	0.82	0.01	0.03	99.2	56.9
MLV37	13	54	50.9	0.08	0.41	0.02	26.6	0.87	19.4	0.78	0.02	0.04	99.2	56.6
MLV37	13	65	50.7	0.12	0.49	0.01	26.9	0.75	19.3	0.90	0.00	0.01	99.1	56.1
MLV37	13	75	50.9	0.19	0.57	0.02	27.0	0.85	19.0	0.86	0.00	0.02	99.4	55.6
MLV37	13	87	50.4	0.09	0.37	0.02	27.0	0.77	18.8	0.70	0.01	0.01	98.1	55.4
MLV37	13	97	51.0	0.10	0.51	0.00	27.0	0.77	18.9	0.80	0.03	0.01	99.1	55.5
MLV37	13	108	50.5	0.17	0.83	0.03	27.4	0.78	18.9	0.84	0.01	0.02	99.5	55.2
MLV37	13	119	50.4	0.12	0.60	0.03	26.9	0.81	19.0	1.12	0.02	0.01	99.0	55.7
MLV37	13	129	51.6	0.08	0.59	0.02	27.0	0.82	18.4	0.94	0.01	0.01	99.4	54.9
MLV37	13	140	50.7	0.06	0.46	0.02	26.4	0.77	19.3	0.93	0.02	0.01	98.6	56.6
MLV37	13	150	50.9	0.13	0.66	0.00	26.8	0.89	19.2	0.87	0.02	0.01	99.5	56.0
MLV37	14	0	51.1	0.11	0.30	0.03	26.7	0.93	18.8	1.11	0.01	0.00	99.0	55.6
MLV37	14	9	50.9	0.13	0.37	0.01	27.5	1.03	18.3	1.05	0.02	0.01	99.3	54.2
MLV37	14	18	50.7	0.19	0.53	0.03	28.3	0.85	18.3	0.97	0.01	0.00	99.9	53.5
MLV37	14	28	50.4	0.13	0.51	0.02	26.6	0.95	19.1	0.78	0.02	0.03	98.5	56.2
MLV37	14	38	51.2	0.11	0.54	0.01	26.5	0.89	19.5	0.69	0.01	0.01	99.4	56.8
MLV37	14	46	51.5	0.07	0.49	0.01	27.1	0.94	19.5	0.81	0.01	0.00	100.5	56.1
MLV37	14	56	50.7	0.10	0.67	0.03	27.0	0.93	19.3	0.77	0.01	0.01	99.5	56.1
MLV37	14	66	50.8	0.11	0.50	0.01	26.5	0.88	19.3	0.91	0.01	0.03	99.1	56.5
MLV37	14	75	51.4	0.09	0.35	0.01	26.8	0.82	19.6	1.00	0.00	0.01	100.0	56.6
MLV37	14	84	50.5	0.13	0.48	0.02	26.7	0.86	19.4	0.93	0.02	0.00	99.1	56.4
MLV37	14	94	51.4	0.11	0.43	0.02	26.8	0.87	19.5	0.94	0.02	0.01	100.1	56.4
MLV37	14	103	51.1	0.13	0.53	0.01	26.6	0.82	19.4	0.92	0.00	0.03	99.4	56.5
MLV37	14	113	50.9	0.14	0.56	0.00	27.0	0.85	18.9	1.06	0.00	0.01	99.4	55.6
MLV37	14	123	50.7	0.10	0.37	0.00	26.7	0.80	19.3	1.03	0.00	0.00	99.0	56.3
MLV37	15	0	50.9	0.16	0.46	0.01	26.1	0.89	19.4	1.09	0.02	0.00	99.0	56.9
MLV37	15	17	51.1	0.14	0.52	0.00	26.9	0.85	19.1	1.09	0.01	0.01	99.7	55.9
MLV37	15	33	50.7	0.17	0.60	0.00	26.2	0.80	19.0	0.99	0.01	0.02	98.5	56.3
MLV37	15	49	51.5	0.14	0.53	0.03	26.8	0.82	19.3	0.99	0.01	0.01	100.2	56.2
MLV37	15	64	51.0	0.11	0.74	0.01	26.9	0.77	19.2	0.94	0.01	0.01	99.7	56.0
MLV37	15	81	50.9	0.10	0.40	0.01	26.6	0.82	19.4	0.88	0.02	0.00	99.1	56.4
MLV37	15	97	51.4	0.11	0.57	0.03	26.4	0.83	19.8	0.76	0.01	0.00	99.9	57.2
MLV37	15	129	51.1	0.14	0.56	0.02	26.0	0.87	19.8	0.95	0.02	0.00	99.4	57.5
MLV37	15	161	51.3	0.13	0.58	0.01	26.5	0.82	19.8	0.67	0.01	0.00	99.8	57.2
MLV37	15	177	50.5	0.11	0.48	0.02	25.2	0.80	20.2	0.88	0.01	0.00	98.2	58.8
MLV37	15	193	51.7	0.14	0.51	0.00	25.5	0.79	20.7	0.99	0.02	0.01	100.3	59.1
MLV37	15	209	51.5	0.13	0.60	0.00	24.7	0.78	20.6	1.03	0.02	0.02	99.4	59.7
MLV37	15	225	51.2	0.17	0.70	0.06	24.9	0.73	20.2	1.07	0.01	0.01	98.9	59.1
MLV37	15	240	50.9	0.15	0.53	0.01	25.2	0.73	20.0	1.14	0.01	0.01	98.7	58.5
MLV37	16	0	51.0	0.17	0.68	0.03	24.9	0.83	20.1	1.24	0.03	0.01	99.0	59.0
MLV37	16	14	51.1	0.18	0.75	0.01	24.8	0.85	20.6	1.26	0.01	0.00	99.5	59.7
MLV37	16	29	50.7	0.20	0.81	0.02	24.3	0.96	20.3	1.37	0.02	0.01	98.7	59.9
MLV37	16	44	51.1	0.20	0.76	0.01	24.4	0.83	20.3	1.30	0.02	0.01	99.0	59.7

MLV37	16	59	51.1	0.18	0.62	0.01	24.6	0.87	20.5	1.34	0.03	0.00	99.2	59.8
MLV37	16	74	51.2	0.18	0.70	0.03	24.5	0.93	20.9	1.23	0.01	0.00	99.7	60.3
MLV37	16	89	51.5	0.17	0.59	0.00	23.9	0.94	21.0	1.18	0.02	0.00	99.3	61.1
MLV37	16	104	51.1	0.15	0.66	0.01	23.6	0.92	21.3	1.17	0.03	0.01	99.0	61.7
MLV37	16	118	51.4	0.16	0.73	0.02	23.7	0.89	21.3	1.13	0.02	0.00	99.3	61.7
MLV37	16	133	51.2	0.15	0.72	0.01	23.6	0.94	21.2	1.16	0.03	0.01	99.0	61.6
MLV37	16	148	51.3	0.17	0.72	0.02	23.6	0.90	21.2	1.20	0.01	0.00	99.1	61.6
MLV37	16	163	51.5	0.15	0.61	0.02	23.3	0.95	21.4	1.07	0.00	0.00	99.0	62.1
MLV37	16	178	51.8	0.14	0.63	0.02	23.4	0.91	21.4	1.00	0.02	0.01	99.2	62.0
MLV37	16	193	50.8	0.12	2.40	0.01	23.1	0.90	20.9	1.01	0.03	0.03	99.3	61.7
MLV37	16	208	51.6	0.13	0.65	0.02	23.6	0.87	21.2	1.02	0.02	0.01	99.1	61.6
MLV37	16	222	51.3	0.16	0.74	0.02	24.0	0.91	20.7	1.09	0.03	0.01	98.9	60.6
MLV37	16	237	51.7	0.16	0.72	0.01	24.4	0.87	20.7	1.03	0.03	0.01	99.6	60.2
MLV37	16	252	50.8	0.15	0.82	0.02	24.4	0.83	20.6	1.07	0.02	0.01	98.7	60.1
MLV37	16	267	51.4	0.18	0.64	0.01	25.1	0.77	20.5	1.16	0.03	0.01	99.8	59.2
MLV37	17	0	50.9	0.17	0.47	0.00	26.2	0.84	19.2	1.09	0.00	0.00	98.9	56.7
MLV37	17	10	50.7	0.14	0.45	0.00	27.2	0.88	18.4	1.07	0.02	0.00	98.9	54.7
MLV37	17	21	50.7	0.16	0.42	0.03	27.3	0.91	18.4	1.05	0.02	0.01	99.0	54.5
MLV37	17	32	50.5	0.21	0.55	0.03	28.2	0.85	18.1	1.03	0.00	0.01	99.5	53.3
MLV37	17	43	50.5	0.20	0.57	0.03	27.9	0.85	18.2	1.11	0.02	0.01	99.4	53.8
MLV37	17	54	51.1	0.25	0.72	0.01	26.8	0.84	19.1	1.25	0.04	0.02	100.0	56.0
MLV37	17	64	50.3	0.28	1.13	0.00	26.6	0.79	18.6	1.35	0.03	0.02	99.1	55.4
MLV37	17	75	50.3	0.17	0.64	0.00	27.5	0.79	18.3	0.96	0.01	0.02	98.6	54.3
MLV37	17	86	50.2	0.25	0.99	0.01	27.6	0.83	18.3	1.41	0.01	0.01	99.6	54.2
MLV37	17	97	50.8	0.18	0.54	0.01	27.5	0.88	18.1	1.08	0.01	0.00	99.1	54.0
MLV37	17	107	50.5	0.17	0.53	0.01	26.8	0.84	18.4	1.05	0.02	0.02	98.3	55.0
MLV37	17	118	50.9	0.15	0.46	0.03	27.5	0.91	18.7	1.07	0.00	0.02	99.7	54.8
MLV37	17	129	50.3	0.12	0.46	0.01	27.7	0.82	18.1	1.07	0.01	0.01	98.6	53.8
MLV37	17	140	50.8	0.13	0.36	0.02	27.4	0.87	18.6	1.05	0.02	0.03	99.2	54.7
MLV37	17	150	50.7	0.10	0.40	0.01	27.6	0.95	18.4	1.09	0.02	0.10	99.3	54.2
MLV37	18	0	51.0	0.18	0.48	0.01	26.8	0.79	19.0	1.08	0.01	0.00	99.4	55.8
MLV37	18	9	51.1	0.20	0.50	0.04	26.8	0.87	18.9	1.10	0.00	0.03	99.5	55.6
MLV37	18	19	51.1	0.17	0.54	0.00	26.9	0.80	19.4	1.09	0.01	0.02	100.0	56.2
MLV37	18	28	50.9	0.14	2.02	0.00	26.9	0.84	19.1	1.08	0.03	0.02	101.0	55.9
MLV37	18	38	43.3	0.15	10.40	0.04	23.5	0.63	15.0	1.06	0.04	0.03	94.0	53.2
MLV37	18	48	49.8	0.18	1.33	0.02	26.6	0.78	18.0	1.04	0.01	0.00	97.8	54.7
MLV37	18	57	49.6	0.16	0.87	0.01	27.3	0.86	18.2	0.97	0.02	0.00	98.0	54.3
MLV37	18	67	50.4	0.15	0.56	0.01	27.6	0.89	18.5	0.85	0.01	0.01	98.9	54.4
MLV37	18	77	50.8	0.16	0.79	0.02	28.3	0.95	18.3	0.79	0.03	0.00	100.0	53.5
MLV37	18	86	49.8	0.14	1.19	0.02	28.3	0.88	17.6	0.96	0.02	0.01	98.9	52.6
MLV37	18	95	50.4	0.18	0.50	0.01	28.4	0.87	17.9	0.92	0.01	0.00	99.1	52.9
MLV37	18	106	50.3	0.16	0.47	0.03	28.1	0.94	17.9	1.02	0.04	0.01	99.0	53.2
MLV37	18	115	50.9	0.16	0.46	0.02	28.2	0.94	18.3	1.12	0.01	0.01	100.1	53.6
MLV37	18	124	50.4	0.16	0.46	0.00	27.7	0.94	18.5	1.06	0.02	0.01	99.3	54.3
MLV37	18	135	50.8	0.16	0.50	0.00	26.5	0.88	19.3	1.12	0.02	0.00	99.2	56.5
MLV37	18	144	50.6	0.14	0.53	0.02	26.3	0.84	19.2	1.04	0.02	0.02	98.7	56.6
MLV37	18	154	50.6	0.11	0.55	0.03	27.4	0.80	18.6	0.97	0.02	0.00	99.1	54.8
MLV37	18	163	50.6	0.15	0.53	0.01	28.7	0.95	18.1	0.96	0.03	0.00	100.0	53.0
MLV37	18	173	50.2	0.14	0.50	0.01	29.2	0.90	17.5	0.93	0.01	0.00	99.3	51.7
MLV37	18	182	50.4	0.10	0.50	0.01	29.0	0.95	17.2	0.96	0.02	0.01	99.2	51.5
MLV37	18	192	50.7	0.12	0.38	0.01	27.5	0.92	18.4	1.03	0.03	0.01	99.1	54.4
MLV37	18	202	50.8	0.09	0.40	0.00	26.3	0.89	19.4	1.01	0.02	0.02	98.9	56.9
MLV37	19	0	50.4	0.13	0.98	0.02	26.1	0.86	18.6	1.03	0.03	0.01	98.1	56.0
MLV37	19	11	51.0	0.19	0.46	0.02	28.5	0.82	18.4	0.73	0.01	0.02	100.0	53.5
MLV37	19	21	50.1	0.09	1.77	0.01	27.7	0.86	18.2	0.79	0.02	0.01	99.6	54.0
MLV37	19	30	50.8	0.11	0.55	0.01	27.9	0.94	18.1	0.77	0.03	0.00	99.2	53.5
MLV37	19	40	51.0	0.13	0.45	0.01	27.8	0.94	18.2	1.10	0.02	0.01	99.5	53.8
MLV37	19	51	50.3	0.10	1.03	0.03	28.4	0.88	18.2	0.59	0.02	0.01	99.6	53.4
MLV37	19	61	50.8	0.14	0.82	0.01	28.5	0.89	18.4	0.60	0.02	0.01	100.1	53.5
MLV37	19	71	50.3	0.11	1.12	0.01	28.0	0.77	18.6	0.53	0.01	0.01	99.4	54.1
MLV37	19	81	50.8	0.07	0.83	0.02	27.4	0.87	19.1	0.57	0.03	0.00	99.7	55.4
MLV37	19	91	50.0	0.10	0.66	0.00	27.2	0.75	18.7	0.53	0.04	0.01	97.9	55.1
MLV37	19	102	50.3	0.17	0.49	0.00	27.7	0.81	18.5	0.98	0.00	0.02	98.9	54.4
MLV37	19	111	50.7	0.10	0.38	0.02	28.8	0.84	17.6	0.97	0.01	0.01	99.4	52.2

MLV37	19	121	50.4	0.17	0.40	0.01	29.0	1.01	17.3	1.01	0.02	0.03	99.3	51.5
MLV37	19	131	50.3	0.16	1.30	0.00	27.7	0.84	18.2	1.03	0.02	0.02	99.5	53.9
MLV37	20	15	51.1	0.14	0.50	0.01	27.4	0.83	18.8	1.03	0.04	0.04	99.8	55.0
MLV37	20	29	50.6	0.15	0.50	0.01	27.1	0.80	18.7	1.08	0.07	0.04	99.0	55.1
MLV37	20	43	51.2	0.12	0.47	0.02	27.3	0.76	19.1	1.06	0.03	0.01	100.1	55.5
MLV37	20	56	51.0	0.11	0.53	0.01	25.9	0.75	19.5	1.11	0.02	0.02	98.9	57.3
MLV37	20	70	51.8	0.11	0.58	0.03	25.8	0.75	20.1	1.03	0.01	0.01	100.3	58.2
MLV37	20	85	51.1	0.18	0.81	0.00	25.1	0.64	20.4	1.04	0.02	0.02	99.4	59.2
MLV37	20	99	50.8	0.20	0.76	0.04	24.9	0.70	20.3	1.05	0.02	0.01	98.7	59.2
MLV37	20	113	51.2	0.17	1.01	0.02	25.3	0.70	20.3	1.09	0.02	0.01	99.8	58.9
MLV37	20	127	51.3	0.17	0.58	0.01	25.5	0.72	20.0	1.01	0.02	0.03	99.4	58.3
MLV37	20	141	51.3	0.18	0.54	0.04	26.2	0.77	19.5	1.08	0.01	0.01	99.5	57.0
MLV37	21	0	51.3	0.19	0.63	0.02	24.5	0.73	20.6	1.04	0.01	0.02	99.0	59.9
MLV37	21	15	51.2	0.20	0.80	0.02	24.2	0.73	20.8	1.04	0.01	0.02	99.0	60.4
MLV37	21	30	51.6	0.13	0.66	0.04	24.6	0.79	20.7	1.05	0.00	0.01	99.5	59.9
MLV37	21	45	51.8	0.13	0.46	0.00	25.3	0.74	20.4	0.96	0.00	0.01	99.8	58.9
MLV37	21	60	51.7	0.13	0.50	0.00	26.6	0.75	19.3	1.05	0.02	0.00	100.1	56.4
MLV37	21	90	50.3	0.07	0.38	0.00	28.0	0.86	17.7	0.95	0.01	0.00	98.2	53.0
MLV37	21	105	51.3	0.12	0.50	0.00	26.8	0.71	19.6	1.02	0.01	0.02	100.1	56.6
MLV37	21	121	51.2	0.15	0.76	0.02	24.2	0.67	20.6	1.02	0.00	0.00	98.6	60.3
MLV37	21	136	52.0	0.14	0.58	0.01	23.7	0.72	21.6	1.02	0.03	0.01	99.8	61.9
MLV37	21	151	52.0	0.16	0.65	0.03	23.3	0.66	21.9	1.09	0.00	0.00	99.9	62.6
MLV37	21	166	51.8	0.16	0.81	0.00	23.0	0.74	21.9	1.17	0.00	0.05	99.5	63.0
MLV37	21	181	51.5	0.14	0.80	0.03	23.9	0.66	21.1	1.04	0.01	0.03	99.2	61.2
MLV37	21	196	51.5	0.18	0.64	0.01	26.0	0.74	19.9	1.07	0.02	0.02	100.0	57.7
MLV37	22	53	52.2	0.25	1.02	0.04	21.9	0.57	22.2	1.41	0.03	0.01	99.6	64.4
MLV37	22	74	51.8	0.27	0.83	0.00	22.6	0.67	22.0	1.21	0.01	0.01	99.4	63.5
MLV37	22	86	51.2	0.24	0.90	0.02	24.0	0.76	20.0	1.57	0.03	0.02	98.8	59.8
MLV45	1	15	52.0	0.21	1.71	0.01	18.0	0.87	25.0	1.15	0.01	0.03	98.9	71.2
MLV45	1	31	51.5	0.24	1.82	0.00	18.1	0.72	24.8	1.17	0.01	0.03	98.4	70.9
MLV45	1	46	51.6	0.25	1.82	0.01	18.5	0.75	24.9	1.19	0.01	0.01	99.0	70.5
MLV45	1	62	51.6	0.24	1.87	0.01	18.4	0.83	24.7	1.22	0.00	0.02	98.9	70.5
MLV45	1	77	51.4	0.23	1.92	0.01	18.0	0.82	24.7	1.19	0.00	0.01	98.3	70.9
MLV45	1	108	51.8	0.27	2.03	0.00	18.3	0.79	24.7	1.28	0.00	0.01	99.2	70.7
MLV45	1	124	51.6	0.28	2.01	0.02	18.3	0.72	24.7	1.28	0.03	0.03	99.0	70.6
MLV45	1	139	51.0	0.27	2.35	0.02	18.4	0.74	24.6	1.21	0.04	0.01	98.7	70.4
MLV45	1	155	50.9	0.27	2.61	0.01	18.4	0.86	24.5	1.29	0.02	0.01	98.9	70.4
MLV45	1	170	51.1	0.26	2.70	0.04	18.2	0.77	24.4	1.31	0.04	0.00	98.8	70.5
MLV45	1	185	51.2	0.27	2.68	0.02	18.3	0.75	24.5	1.22	0.03	0.02	99.0	70.4
MLV45	1	201	51.2	0.24	2.77	0.01	18.4	0.88	24.4	1.32	0.02	0.00	99.3	70.3
MLV45	1	216	51.1	0.28	2.77	0.02	18.2	0.80	24.4	1.18	0.02	0.02	98.7	70.5
MLV45	1	232	51.5	0.27	2.06	0.01	18.5	0.81	24.4	1.19	0.01	0.00	98.7	70.2
MLV45	1	247	51.0	0.23	2.75	0.02	18.3	0.76	24.5	1.34	0.03	0.01	99.0	70.5
MLV45	1	263	51.9	0.33	2.01	0.01	17.8	0.82	24.1	1.99	0.03	0.00	99.0	70.7
MLV45	2	0	52.7	0.12	0.68	0.03	21.1	0.80	23.4	0.71	0.01	0.03	99.6	66.4
MLV45	2	11	51.8	0.09	0.63	0.03	21.9	0.79	22.6	0.73	0.01	0.01	98.7	64.8
MLV45	2	21	51.9	0.11	0.66	0.05	21.4	0.78	23.3	0.75	0.00	0.03	98.9	65.9
MLV45	2	32	51.8	0.14	0.73	0.03	21.5	0.84	23.3	0.82	0.01	0.01	99.2	65.9
MLV45	2	42	51.7	0.09	0.35	0.03	23.8	1.06	21.4	0.73	0.01	0.01	99.2	61.6
MLV45	2	73	53.0	0.10	0.85	0.03	21.4	0.80	23.1	0.75	0.06	0.06	100.2	65.7
MLV45	2	84	51.9	0.08	0.34	0.02	23.2	1.06	21.7	0.67	0.01	0.02	99.1	62.5
MLV45	2	94	51.9	0.08	0.31	0.02	23.4	0.95	22.0	0.86	0.00	0.01	99.6	62.7
MLV45	2	105	51.7	0.07	0.37	0.02	22.8	0.97	22.4	0.81	0.02	0.00	99.2	63.6
MLV45	2	115	52.1	0.11	0.58	0.03	22.3	0.88	22.9	0.82	0.01	0.02	99.7	64.7
MLV45	2	126	52.3	0.08	0.32	0.02	22.4	0.89	22.6	0.85	0.01	0.01	99.4	64.2
MLV45	2	136	51.6	0.07	0.31	0.03	24.8	1.15	20.5	0.73	0.02	0.01	99.3	59.6
MLV45	2	147	52.5	0.07	0.47	0.01	21.5	0.84	23.2	0.87	0.00	0.01	99.4	65.7
MLV45	2	157	52.9	0.10	0.60	0.02	21.5	0.83	23.2	0.86	0.03	0.02	100.1	65.8
MLV45	2	168	51.8	0.09	0.77	0.02	21.5	0.86	23.3	0.78	0.01	0.01	99.1	65.9
MLV45	2	178	51.2	0.09	0.32	0.04	26.8	1.14	19.4	0.67	0.01	0.03	99.6	56.3
MLV45	2	189	50.9	0.10	0.44	0.05	26.3	1.08	19.7	0.83	0.02	0.02	99.4	57.2
MLV45	2	199	51.2	0.07	0.23	0.02	26.4	1.09	19.3	0.72	0.01	0.01	99.0	56.5
MLV45	2	210	51.0	0.08	0.27	0.05	26.6	1.13	19.3	0.73	0.02	0.01	99.3	56.4
MLV45	2	220	51.1	0.07	0.28	0.03	26.8	1.07	19.4	0.72	0.01	0.03	99.5	56.4

MLV45	2	231	51.3	0.09	0.29	0.02	26.5	1.21	19.3	0.72	0.00	0.03	99.5	56.5
MLV45	2	241	50.0	0.08	0.27	0.05	27.6	1.15	18.8	0.69	0.00	0.02	98.6	54.9
MLV45	2	252	51.3	0.08	0.28	0.03	26.5	1.17	19.5	0.70	0.02	0.03	99.5	56.7
MLV45	2	273	52.0	0.10	0.55	0.01	21.8	0.86	23.2	0.85	0.01	0.02	99.4	65.4
MLV45	2	304	52.3	0.10	0.60	0.02	22.6	0.83	22.8	0.86	0.00	0.00	100.1	64.2
MLV45	2	315	52.0	0.09	0.41	0.03	23.3	0.95	22.0	0.82	0.02	0.04	99.7	62.8
MLV45	2	325	52.3	0.10	0.33	0.02	22.2	0.81	22.9	0.86	0.01	0.01	99.5	64.8
MLV45	2	336	51.6	0.08	0.29	0.03	25.2	1.10	20.4	0.67	0.02	0.02	99.4	59.0
MLV45	2	346	52.0	0.06	0.37	0.05	22.3	0.90	22.9	0.85	0.01	0.02	99.4	64.6
MLV45	2	357	51.0	0.10	0.26	0.04	26.1	1.11	19.8	0.68	0.01	0.03	99.2	57.4
MLV45	2	367	51.1	0.07	0.30	0.05	26.7	1.05	19.3	0.68	0.01	0.02	99.3	56.3
MLV45	2	378	50.9	0.08	0.28	0.03	26.4	1.12	19.3	0.71	0.01	0.05	98.9	56.6
MLV45	2	388	51.3	0.09	0.30	0.02	25.8	1.12	20.1	0.74	0.00	0.01	99.4	58.1
MLV45	2	399	51.0	0.09	0.29	0.05	25.4	1.11	20.4	0.68	0.01	0.00	99.0	58.8
MLV45	2	409	51.0	0.07	0.27	0.04	26.1	1.18	19.9	0.62	0.00	0.01	99.2	57.6
MLV45	2	420	52.5	0.07	0.38	0.03	22.4	0.93	22.5	0.76	0.01	0.00	99.6	64.1
MLV45	2	430	52.5	0.08	0.35	0.01	21.2	0.88	23.8	0.77	0.00	0.00	99.6	66.6
MLV45	2	441	52.3	0.07	0.45	0.00	21.1	0.83	24.0	0.73	0.00	0.03	99.5	67.0
MLV45	2	451	52.3	0.12	0.63	0.03	21.6	0.85	23.4	0.73	0.02	0.01	99.6	65.9
MLV45	2	462	51.7	0.11	0.67	0.04	22.3	0.82	22.5	0.76	0.01	0.02	98.9	64.3
MLV45	2	472	52.0	0.12	0.56	0.03	22.1	0.89	22.6	0.82	0.00	0.01	99.1	64.6
MLV45	3a	0	52.1	0.22	0.62	0.05	22.1	0.84	22.8	0.85	0.00	0.02	99.7	64.8
MLV45	3a	10	51.4	0.23	0.47	0.04	24.7	1.01	20.8	0.66	0.00	0.02	99.3	60.1
MLV45	3a	20	51.1	0.25	0.57	0.06	25.5	1.02	20.2	0.71	0.01	0.02	99.4	58.5
MLV45	3a	30	51.1	0.28	0.60	0.06	25.3	1.03	20.3	0.69	0.01	0.03	99.4	58.8
MLV45	3a	41	50.8	0.27	0.71	0.05	25.5	0.97	19.7	0.73	0.01	0.02	98.9	58.0
MLV45	3a	51	51.0	0.20	0.48	0.04	25.9	1.01	19.8	0.63	0.02	0.02	99.2	57.7
MLV45	3a	61	51.1	0.20	0.43	0.05	26.4	0.98	19.7	0.64	0.01	0.01	99.5	57.0
MLV45	3a	71	50.8	0.19	0.59	0.06	26.6	0.84	19.4	0.63	0.01	0.01	99.1	56.6
MLV45	3a	81	50.6	0.20	0.59	0.04	26.2	0.98	19.8	0.65	0.00	0.02	99.0	57.4
MLV45	3a	91	50.8	0.18	0.61	0.06	26.0	0.86	20.2	0.66	0.01	0.00	99.3	58.1
MLV45	3a	101	51.5	0.14	0.52	0.05	25.5	0.80	20.5	0.73	0.01	0.03	99.8	59.0
MLV45	3a	111	51.1	0.11	0.41	0.05	25.2	0.82	20.5	0.75	0.01	0.02	99.0	59.2
MLV45	3a	122	51.3	0.11	0.53	0.04	25.2	0.85	20.4	0.72	0.01	0.02	99.1	59.1
MLV45	3a	132	50.8	0.11	0.64	0.04	25.4	0.92	20.4	0.81	0.00	0.03	99.2	58.8
MLV45	3a	142	51.0	0.11	0.59	0.05	25.5	0.85	20.2	0.74	0.01	0.00	99.0	58.5
MLV45	3a	152	51.3	0.10	0.54	0.04	25.6	0.83	20.3	0.73	0.00	0.00	99.5	58.6
MLV45	3a	162	50.9	0.09	0.58	0.07	25.4	0.89	20.4	0.74	0.01	0.03	99.1	58.9
MLV45	3a	172	51.3	0.11	0.56	0.02	25.5	0.88	20.3	0.78	0.00	0.02	99.4	58.7
MLV45	3a	182	51.4	0.10	0.59	0.05	25.4	0.99	20.2	0.74	0.01	0.02	99.5	58.7
MLV45	3a	192	49.3	0.10	0.68	0.04	24.8	0.86	19.0	0.76	0.02	0.02	95.5	57.7
MLV45	3a	203	50.9	0.10	0.55	0.03	25.7	0.98	19.7	0.60	0.00	0.02	98.6	57.8
MLV45	3a	213	50.9	0.09	0.54	0.05	26.1	0.91	19.8	0.60	0.01	0.01	98.9	57.5
MLV45	3a	223	51.3	0.10	0.46	0.03	26.3	1.00	19.9	0.63	0.02	0.01	99.7	57.4
MLV45	3a	233	50.1	0.10	0.43	0.03	25.4	1.03	19.7	0.65	0.04	0.04	97.6	58.1
MLV45	3a	243	51.4	0.13	0.78	0.04	25.9	1.01	19.4	0.77	0.01	0.01	99.4	57.2
MLV45	3a	253	51.0	0.11	0.67	0.04	25.7	1.02	19.9	0.70	0.00	0.01	99.1	58.0
MLV45	3a	263	51.0	0.11	0.56	0.04	25.5	1.01	20.2	0.68	0.02	0.01	99.1	58.5
MLV45	3a	273	54.1	0.11	0.62	0.03	25.3	0.94	19.3	0.67	0.01	0.02	101.0	57.6
MLV45	3a	284	51.0	0.12	0.50	0.02	25.6	0.92	20.3	0.67	0.03	0.03	99.1	58.5
MLV45	3a	294	51.1	0.09	0.35	0.03	25.4	1.00	20.3	0.70	0.02	0.00	98.9	58.8
MLV45	3a	304	49.7	0.10	0.66	0.02	23.8	0.97	19.0	0.65	0.05	0.05	95.0	58.7
MLV45	3a	314	51.5	0.10	0.49	0.03	20.9	0.78	23.6	0.80	0.00	0.02	98.2	66.9
MLV45	3a	324	48.0	0.10	0.88	0.00	19.2	0.77	19.9	0.84	0.15	0.11	90.0	64.9
MLV45	3a	334	52.6	0.11	0.60	0.02	20.9	0.81	23.7	0.84	0.02	0.03	99.6	66.9
MLV45	3a	360	51.6	0.12	0.54	0.04	25.0	0.87	20.9	0.68	0.01	0.02	99.8	59.8
MLV45	3a	371	51.4	0.10	0.52	0.04	24.8	0.89	20.6	0.65	0.01	0.02	99.1	59.7
MLV45	3a	382	47.2	0.12	0.85	0.02	21.7	0.93	18.5	0.62	0.01	0.01	89.9	60.3
MLV45	3a	393	51.1	0.12	0.57	0.02	24.3	0.85	21.3	0.70	0.00	0.00	98.9	61.0
MLV45	3a	403	51.1	0.13	0.51	0.01	24.2	0.83	21.1	0.66	0.00	0.01	98.4	60.9
MLV45	3a	414	49.2	0.09	0.58	0.05	23.9	0.90	19.2	0.82	0.03	0.04	94.7	58.9
MLV45	3a	425	51.2	0.10	0.45	0.03	24.7	1.01	20.9	0.72	0.01	0.01	99.1	60.1
MLV45	3a	436	51.3	0.10	0.43	0.02	25.0	1.01	21.0	0.67	0.02	0.00	99.6	59.9
MLV45	3a	447	51.6	0.12	0.49	0.05	24.8	0.99	20.9	0.74	0.01	0.01	99.7	60.0

MLV45	3a	458	51.9	0.11	0.44	0.02	24.0	0.89	21.0	0.68	0.00	0.00	99.1	60.9
MLV45	3a	469	51.3	0.08	0.52	0.04	24.2	0.93	21.3	0.65	0.01	0.02	99.1	61.0
MLV45	3a	480	51.6	0.10	0.48	0.04	24.1	0.88	21.3	0.73	0.02	0.01	99.2	61.2
MLV45	3a	491	51.3	0.10	0.50	0.03	24.4	0.93	21.0	0.77	0.00	0.02	99.0	60.5
MLV45	3a	502	51.6	0.09	0.65	0.04	23.7	0.89	21.2	0.68	0.01	0.01	98.9	61.4
MLV45	3a	513	51.1	0.13	0.67	0.03	24.0	0.79	21.2	0.82	0.01	0.01	98.8	61.2
MLV45	3a	523	50.8	0.12	0.56	0.02	24.2	0.92	20.7	0.69	0.00	0.00	97.9	60.4
MLV45	3b	0	50.6	0.43	0.61	0.05	26.1	1.00	19.7	0.68	0.01	0.01	99.2	57.4
MLV45	3b	10	50.9	0.28	0.78	0.03	26.0	1.02	19.7	0.76	0.01	0.03	99.4	57.5
MLV45	3b	20	51.2	0.18	0.57	0.07	26.1	1.02	20.1	0.71	0.01	0.02	100.0	57.8
MLV45	3b	30	50.8	0.15	0.56	0.03	26.0	1.07	20.0	0.70	0.00	0.01	99.2	57.9
MLV45	3b	40	51.1	0.14	0.47	0.03	26.2	1.02	19.9	0.68	0.00	0.03	99.6	57.5
MLV45	3b	50	50.8	0.13	0.51	0.06	26.0	1.17	19.9	0.67	0.02	0.00	99.3	57.7
MLV45	3b	60	52.2	0.12	0.54	0.02	21.9	0.89	22.3	0.72	0.03	0.04	98.7	64.6
MLV45	3b	70	51.0	0.15	0.74	0.03	24.7	1.01	21.0	0.67	0.00	0.00	99.3	60.3
MLV45	3b	90	51.1	0.15	0.81	0.03	25.2	0.98	20.8	0.72	0.00	0.02	99.8	59.5
MLV45	3b	109	50.2	0.18	1.36	0.03	25.1	1.04	19.4	0.68	0.02	0.02	98.1	58.0
MLV45	3b	119	50.6	0.15	0.99	0.04	25.8	1.02	19.6	0.63	0.03	0.02	98.9	57.6
MLV45	3b	129	50.9	0.15	0.85	0.02	25.9	1.06	19.7	0.73	0.02	0.00	99.3	57.6
MLV45	3b	139	50.6	0.14	0.91	0.04	25.9	1.07	19.7	0.65	0.02	0.03	99.0	57.6
MLV45	3b	149	51.1	0.13	0.49	0.04	26.1	1.13	20.1	0.63	0.02	0.01	99.7	57.9
MLV45	3b	159	51.1	0.12	0.69	0.05	26.0	0.99	20.0	0.81	0.01	0.03	99.8	57.8
MLV45	3b	169	51.0	0.14	0.68	0.05	25.2	1.03	20.1	0.69	0.00	0.02	99.0	58.8
MLV45	3b	179	50.6	0.13	0.65	0.03	25.6	1.02	20.2	0.72	0.01	0.02	99.0	58.5
MLV45	3b	189	50.4	0.12	0.57	0.04	25.4	0.99	20.2	0.66	0.00	0.00	98.4	58.7
MLV45	3b	199	50.7	0.13	0.94	0.04	25.4	0.92	19.8	0.71	0.00	0.00	98.7	58.2
MLV45	3b	209	50.9	0.08	0.48	0.04	25.4	1.00	20.4	0.65	0.00	0.02	98.9	58.9
MLV45	3b	219	51.0	0.12	0.60	0.04	25.8	0.97	20.1	0.66	0.01	0.01	99.3	58.1
MLV45	3b	229	52.3	0.11	0.57	0.01	21.5	0.90	23.2	0.72	0.02	0.03	99.4	65.7
MLV45	3b	243	51.4	0.13	0.78	0.04	25.9	1.01	19.4	0.77	0.01	0.01	99.4	57.2
MLV45	3b	253	51.0	0.11	0.67	0.04	25.7	1.02	19.9	0.70	0.00	0.01	99.1	58.0
MLV45	3b	263	51.0	0.11	0.56	0.04	25.5	1.01	20.2	0.68	0.02	0.01	99.1	58.5
MLV45	3b	273	54.1	0.11	0.62	0.03	25.3	0.94	19.3	0.67	0.01	0.02	101.0	57.6
MLV45	3b	284	51.0	0.12	0.50	0.02	25.6	0.92	20.3	0.67	0.03	0.03	99.1	58.5
MLV45	3b	294	51.1	0.09	0.35	0.03	25.4	1.00	20.3	0.70	0.02	0.00	98.9	58.8
MLV45	3b	314	51.5	0.10	0.49	0.03	20.9	0.78	23.6	0.80	0.00	0.02	98.2	66.9
MLV45	3b	324	48.0	0.10	0.88	0.00	19.2	0.77	19.9	0.84	0.15	0.11	90.0	64.9
MLV45	3b	334	52.6	0.11	0.60	0.02	20.9	0.81	23.7	0.84	0.02	0.03	99.6	66.9
MLV45	3b	360	51.6	0.12	0.54	0.04	25.0	0.87	20.9	0.68	0.01	0.02	99.8	59.8
MLV45	3b	371	51.4	0.10	0.52	0.04	24.8	0.89	20.6	0.65	0.01	0.02	99.1	59.7
MLV45	3b	393	51.1	0.12	0.57	0.02	24.3	0.85	21.3	0.70	0.00	0.00	98.9	61.0
MLV45	3b	403	51.1	0.13	0.51	0.01	24.2	0.83	21.1	0.66	0.00	0.01	98.4	60.9
MLV45	3b	425	51.2	0.10	0.45	0.03	24.7	1.01	20.9	0.72	0.01	0.01	99.1	60.1
MLV45	3b	436	51.3	0.10	0.43	0.02	25.0	1.01	21.0	0.67	0.02	0.00	99.6	59.9
MLV45	3b	447	51.6	0.12	0.49	0.05	24.8	0.99	20.9	0.74	0.01	0.01	99.7	60.0
MLV45	3b	458	51.9	0.11	0.44	0.02	24.0	0.89	21.0	0.68	0.00	0.00	99.1	60.9
MLV45	3b	469	51.3	0.08	0.52	0.04	24.2	0.93	21.3	0.65	0.01	0.02	99.1	61.0
MLV45	3b	480	51.6	0.10	0.48	0.04	24.1	0.88	21.3	0.73	0.02	0.01	99.2	61.2
MLV45	3b	491	51.3	0.10	0.50	0.03	24.4	0.93	21.0	0.77	0.00	0.02	99.0	60.5
MLV45	3b	502	51.6	0.09	0.65	0.04	23.7	0.89	21.2	0.68	0.01	0.01	98.9	61.4
MLV45	3b	513	51.1	0.13	0.67	0.03	24.0	0.79	21.2	0.82	0.01	0.01	98.8	61.2
MLV45	4a	0	52.4	0.13	0.58	0.03	20.8	0.85	24.0	0.77	0.01	0.03	99.6	67.2
MLV45	4a	11	51.3	0.13	0.23	0.02	24.6	0.94	20.9	0.70	0.01	0.03	98.9	60.2
MLV45	4a	22	51.8	0.11	0.35	0.04	24.8	0.88	20.8	0.72	0.00	0.02	99.6	59.9
MLV45	4a	33	51.7	0.13	0.36	0.04	24.9	0.94	20.8	0.69	0.01	0.02	99.6	59.9
MLV45	4a	44	51.8	0.13	0.49	0.04	24.7	0.81	21.1	0.67	0.02	0.02	99.8	60.3
MLV45	4a	55	51.8	0.09	0.37	0.03	24.7	0.89	21.0	0.70	0.01	0.02	99.5	60.3
MLV45	4a	65	51.8	0.11	0.43	0.04	24.3	0.90	21.2	0.72	0.01	0.02	99.5	60.8
MLV45	4a	76	52.1	0.07	0.31	0.03	24.5	0.93	21.5	0.70	0.01	0.02	100.1	60.9
MLV45	4a	87	51.8	0.08	0.36	0.03	24.6	0.87	21.3	0.69	0.01	0.03	99.7	60.7
MLV45	4a	98	51.7	0.09	0.44	0.04	24.8	0.89	21.2	0.69	0.00	0.01	99.9	60.3
MLV45	4a	109	51.3	0.09	0.38	0.03	24.4	0.83	21.4	0.65	0.01	0.00	99.1	61.0
MLV45	4a	120	51.1	0.10	0.40	0.04	24.6	0.89	20.9	0.62	0.01	0.02	98.7	60.3
MLV45	4a	131	51.3	0.07	0.36	0.04	24.7	0.94	20.8	0.67	0.01	0.01	98.8	60.0
MLV45	4a	142	51.7	0.10	0.48	0.04	24.5	0.92	21.2	0.70	0.00	0.01	99.6	60.6

MLV45	4a	153	51.5	0.13	0.44	0.03	24.5	0.92	21.2	0.76	0.00	0.01	99.5	60.7
MLV45	4a	164	51.4	0.10	0.44	0.04	24.3	0.98	21.1	0.70	0.01	0.02	99.1	60.7
MLV45	4a	174	51.8	0.10	0.46	0.05	24.5	0.93	21.1	0.70	0.00	0.02	99.6	60.6
MLV45	4a	185	51.8	0.11	0.41	0.01	24.8	0.86	21.4	0.69	0.01	0.02	100.1	60.5
MLV45	4a	196	52.0	0.11	0.43	0.03	24.1	0.89	21.3	0.69	0.00	0.01	99.6	61.2
MLV45	4a	229	51.1	0.13	0.50	0.04	24.3	0.82	21.0	0.71	0.00	0.02	98.7	60.7
MLV45	4a	240	51.4	0.13	0.51	0.02	24.4	0.90	21.2	0.67	0.00	0.00	99.3	60.7
MLV45	4a	262	51.4	0.13	0.58	0.04	24.3	0.81	21.2	0.72	0.00	0.01	99.3	60.8
MLV45	4a	273	51.6	0.15	0.63	0.05	24.3	0.84	21.4	0.69	0.00	0.00	99.6	61.2
MLV45	4a	284	51.2	0.12	0.63	0.02	23.9	0.91	21.4	0.72	0.00	0.00	99.0	61.6
MLV45	4a	294	51.3	0.12	0.57	0.05	24.0	0.81	21.3	0.71	0.01	0.00	98.9	61.3
MLV45	4a	316	51.3	0.10	0.66	0.03	24.0	0.88	21.5	0.67	0.01	0.01	99.2	61.5
MLV45	4a	327	51.7	0.12	0.61	0.05	24.0	0.77	21.6	0.70	0.01	0.01	99.7	61.6
MLV45	4a	338	51.4	0.12	0.61	0.04	24.3	0.83	21.4	0.76	0.01	0.01	99.5	61.1
MLV45	4a	349	51.4	0.11	0.58	0.02	24.8	0.93	20.9	0.66	0.01	0.02	99.4	60.1
MLV45	4a	360	51.6	0.12	0.54	0.04	25.0	0.87	20.9	0.68	0.01	0.02	99.8	59.8
MLV45	4a	371	51.4	0.10	0.52	0.04	24.8	0.89	20.6	0.65	0.01	0.02	99.1	59.7
MLV45	4a	393	51.1	0.12	0.57	0.02	24.3	0.85	21.3	0.70	0.00	0.00	98.9	61.0
MLV45	4a	403	51.1	0.13	0.51	0.01	24.2	0.83	21.1	0.66	0.00	0.01	98.4	60.9
MLV45	4a	425	51.2	0.10	0.45	0.03	24.7	1.01	20.9	0.72	0.01	0.01	99.1	60.1
MLV45	4a	436	51.3	0.10	0.43	0.02	25.0	1.01	21.0	0.67	0.02	0.00	99.6	59.9
MLV45	4a	447	51.6	0.12	0.49	0.05	24.8	0.99	20.9	0.74	0.01	0.01	99.7	60.0
MLV45	4a	458	51.9	0.11	0.44	0.02	24.0	0.89	21.0	0.68	0.00	0.00	99.1	60.9
MLV45	4a	469	51.3	0.08	0.52	0.04	24.2	0.93	21.3	0.65	0.01	0.02	99.1	61.0
MLV45	4a	480	51.6	0.10	0.48	0.04	24.1	0.88	21.3	0.73	0.02	0.01	99.2	61.2
MLV45	4a	491	51.3	0.10	0.50	0.03	24.4	0.93	21.0	0.77	0.00	0.02	99.0	60.5
MLV45	4a	502	51.6	0.09	0.65	0.04	23.7	0.89	21.2	0.68	0.01	0.01	98.9	61.4
MLV45	4a	513	51.1	0.13	0.67	0.03	24.0	0.79	21.2	0.82	0.01	0.01	98.8	61.2
MLV45	4b	0	51.1	0.13	0.56	0.04	24.9	1.02	20.5	0.64	0.01	0.02	98.8	59.5
MLV45	4b	20	51.4	0.14	0.63	0.05	24.3	0.92	21.2	0.67	0.01	0.03	99.4	60.8
MLV45	4b	41	51.4	0.11	0.46	0.05	24.6	0.92	20.7	0.66	0.01	0.02	99.0	60.0
MLV45	4b	81	51.1	0.10	0.62	0.01	24.4	0.93	21.0	0.71	0.01	0.01	98.8	60.5
MLV45	4b	101	51.0	0.11	0.59	0.05	25.4	1.03	20.7	0.60	0.01	0.01	99.6	59.2
MLV45	4b	122	51.7	0.10	0.57	0.04	25.3	1.01	20.7	0.62	0.01	0.01	100.0	59.2
MLV45	4b	142	51.9	0.11	0.49	0.04	23.9	0.81	21.6	0.72	0.02	0.02	99.5	61.7
MLV45	4b	162	51.4	0.10	0.51	0.04	23.7	0.86	22.2	0.70	0.02	0.02	99.5	62.5
MLV45	4b	183	51.6	0.12	0.55	0.06	24.2	0.86	21.5	0.72	0.00	0.01	99.6	61.4
MLV45	4b	203	51.6	0.13	0.64	0.03	24.2	0.89	21.4	0.68	0.00	0.02	99.5	61.2
MLV45	4b	223	51.9	0.08	0.42	0.04	24.4	0.92	21.5	0.67	0.00	0.03	100.0	61.1
MLV45	4b	243	51.6	0.10	0.53	0.04	24.4	0.90	21.3	0.74	0.00	0.01	99.6	60.9
MLV45	4b	264	51.6	0.09	0.47	0.02	24.3	0.87	21.3	0.70	0.02	0.00	99.4	61.0
MLV45	4b	284	52.4	0.09	0.48	0.04	23.9	0.84	22.5	0.65	0.00	0.02	101.0	62.6
MLV45	4b	304	51.2	0.12	0.64	0.05	24.2	0.89	21.2	0.74	0.02	0.00	99.1	61.0
MLV45	4b	324	51.3	0.11	0.58	0.04	24.5	0.91	21.1	0.68	0.01	0.01	99.3	60.5
MLV45	4b	345	51.4	0.14	0.60	0.03	24.6	0.83	21.2	0.71	0.01	0.02	99.5	60.5
MLV45	4b	365	51.7	0.11	0.51	0.03	24.5	0.94	21.0	0.66	0.00	0.01	99.4	60.5
MLV45	4b	385	51.4	0.10	0.47	0.02	24.8	1.03	20.9	0.67	0.02	0.02	99.4	60.0
MLV45	4b	406	51.3	0.09	0.49	0.03	24.5	0.95	21.0	0.69	0.01	0.01	99.1	60.5
MLV45	4b	426	51.5	0.08	0.54	0.03	24.1	0.91	21.4	0.69	0.02	0.01	99.3	61.3
MLV45	4b	466	51.3	0.11	0.69	0.05	23.9	0.85	21.3	0.82	0.01	0.02	99.0	61.3
MLV45	5	0	52.3	0.10	0.67	0.05	20.7	0.84	23.5	0.82	0.02	0.05	99.1	66.9
MLV45	5	14	52.6	0.09	0.86	0.01	23.8	0.95	20.7	0.71	0.08	0.10	99.9	60.7
MLV45	5	29	50.6	0.11	0.64	0.04	26.0	1.02	20.0	0.72	0.00	0.02	99.1	57.9
MLV45	5	43	51.8	0.08	0.64	0.04	24.9	0.92	21.0	0.71	0.01	0.01	100.1	60.1
MLV45	5	57	51.5	0.12	0.52	0.06	25.2	0.95	20.6	0.63	0.00	0.02	99.6	59.2
MLV45	5	72	51.3	0.10	0.54	0.03	25.6	0.97	20.2	0.69	0.01	0.02	99.4	58.5
MLV45	5	86	51.1	0.12	0.54	0.03	24.4	1.01	21.4	0.71	0.03	0.01	99.3	60.9
MLV45	5	100	50.7	0.17	1.39	0.04	24.4	0.86	20.1	0.75	0.06	0.04	98.4	59.6
MLV45	5	115	50.2	0.26	1.51	0.05	26.0	0.94	19.2	1.20	0.02	0.02	99.4	56.8
MLV45	5	129	51.1	0.12	0.69	0.04	26.1	1.09	19.6	0.67	0.02	0.01	99.5	57.3
MLV45	5	144	51.0	0.12	0.53	0.04	26.1	1.11	19.9	0.66	0.00	0.01	99.5	57.6
MLV45	5	158	51.1	0.11	0.51	0.05	25.6	0.96	19.8	0.65	0.02	0.02	98.9	58.0
MLV45	5	172	51.4	0.12	0.63	0.06	24.9	0.91	21.1	0.75	0.02	0.03	99.8	60.2
MLV45	5	187	51.2	0.10	0.60	0.05	24.8	0.93	20.6	0.70	0.01	0.03	99.0	59.6

Table A6: Sr and Ba Partitioning

		Direct Measurements						Model									
COMP-3	**XAn**	**Ba plag**	**Sr plag**	**Ba liquid**	**Sr liquid**	**DBa**	**DSr**	**% xtl**	**F**	**DSr equil**	**Sr liq equil**	**DSr fract**	**Sr liq fract**	**Dba equil**	**Dba liq equi**	**Dba fract**	**Dba liq fract**
	57.4	187	1814	1141	253	0.16	7.17	0.00	1.00	7.17	253.0	7.17	253.0	0.16	1141.0	0.16	1141.0
	41.4	371	1638	1141	253	0.33	6.47	0.41	1.00	6.64	246.8	6.64	246.7	0.32	1144.9	0.32	1144.9
	40.6	398	1441	1141	253	0.35	5.70	0.41	1.00	5.83	247.3	5.98	241.0	0.35	1144.2	0.35	1148.1
	40.6	545	1670	1141	253	0.48	6.60	0.41	1.00	6.73	248.1	6.93	241.0	0.48	1144.1	0.47	1148.1
	40.6	350	1589	1141	253	0.31	6.28	0.41	1.00	6.43	247.2	6.59	241.0	0.31	1143.5	0.30	1148.1
	40.4	366	1654	1141	253	0.32	6.54	0.53	0.99	6.73	245.9	7.07	233.9	0.32	1145.2	0.32	1152.4
	40.4	384	1519	1141	253	0.34	6.00	0.53	0.99	6.19	245.5	6.49	233.9	0.34	1145.1	0.33	1152.4
	40.1	367	1448	1141	253	0.32	5.72	0.53	0.99	5.88	246.2	6.19	233.9	0.32	1145.0	0.32	1152.4
	39.7	412	1539	1141	253	0.36	6.08	0.53	0.99	6.24	246.6	6.58	233.9	0.36	1145.1	0.36	1152.4
	39.7	429	1539	1141	253	0.38	6.08	0.53	0.99	6.25	246.2	6.58	233.9	0.37	1144.9	0.37	1152.4
	39.7	402	1531	1141	253	0.35	6.05	0.53	0.99	6.22	246.1	6.54	233.9	0.35	1144.8	0.35	1152.4
	39.6	377	1476	1141	253	0.33	5.83	0.53	0.99	6.00	246.2	6.31	233.9	0.33	1144.9	0.33	1152.4
	39.5	387	1500	1141	253	0.34	5.93	0.53	0.99	6.09	246.5	6.41	233.9	0.34	1145.1	0.34	1152.4
	39.4	641	1819	1141	253	0.56	7.19	0.22	1.00	7.27	250.2	7.87	231.2	0.56	1142.7	0.56	1154.1
	39.3	382	1513	1141	253	0.33	5.98	0.22	1.00	6.06	249.6	6.54	231.2	0.33	1142.1	0.33	1154.1
	39.3	471	1720	1141	253	0.41	6.80	0.22	1.00	6.87	250.2	7.44	231.2	0.41	1142.7	0.41	1154.1
	38.8	325	1655	1141	253	0.28	6.54	0.22	1.00	6.63	249.8	7.16	231.2	0.28	1142.5	0.28	1154.1
	38.6	384	1489	1141	253	0.34	5.89	0.22	1.00	5.96	249.9	6.44	231.2	0.34	1142.8	0.33	1154.1
	38.6	383	1491	1141	253	0.34	5.89	0.22	1.00	5.96	250.3	6.45	231.2	0.34	1142.7	0.33	1154.1
	38.4	394	1461	1141	253	0.35	5.77	0.08	1.00	5.80	252.0	6.35	230.2	0.35	1141.6	0.34	1154.7
	38.3	380	1424	1141	253	0.33	5.63	0.08	1.00	5.65	252.0	6.19	230.2	0.33	1141.6	0.33	1154.7
	37.6	303	1744	1141	253	0.27	6.89	0.08	1.00	6.92	252.1	7.58	230.2	0.27	1141.6	0.26	1154.7
	36.4	441	1504	1141	253	0.39	5.94	0.03	1.00	5.96	252.6	6.55	229.7	0.39	1141.3	0.38	1154.9
JAL-10	**XAn**	**Ba plag**	**Sr plag**	**Ba liquid**	**Sr liquid**	**DBa**	**DSr**	**% xtl**	**F**	**DSr equil**	**Sr liq equil**	**DSr fract**	**Sr liq fract**	**Dba equil**	**Dba liq equi**	**Dba fract**	**Dba liq fract**
	50.7	300	1724	1134	256	0.26	6.73	0.09	1.00	6.77	254.7	6.77	254.7	0.26	1134.8	0.26	1134.8
	50.3	245	1686	1134	256	0.22	6.59	0.09	1.00	6.62	254.7	6.65	253.4	0.22	1134.8	0.22	1135.5
	49.9	270	1727	1134	256	0.24	6.75	0.09	1.00	6.78	254.7	6.82	253.4	0.24	1134.8	0.24	1135.5
	49.4	295	1773	1134	256	0.26	6.93	0.09	1.00	6.96	254.7	7.03	252.0	0.26	1134.8	0.26	1136.3
	45.4	277	1677	1134	256	0.24	6.55	0.08	1.00	6.58	254.8	6.69	250.8	0.24	1134.7	0.24	1137.0
	44.7	279	1498	1134	256	0.25	5.85	0.08	1.00	5.88	254.9	5.97	250.8	0.25	1134.7	0.25	1137.0
	44.7	285	1606	1134	256	0.25	6.27	0.08	1.00	6.30	255.0	6.40	250.8	0.25	1134.7	0.25	1137.0
	42.1	785	1628	1134	256	0.69	6.36	0.29	1.00	6.46	252.1	6.59	246.9	0.69	1136.5	0.69	1139.4
	40.8	394	1482	1134	256	0.35	5.79	0.43	1.00	5.92	250.1	6.15	241.0	0.35	1135.5	0.35	1141.0
	40.7	363	1427	1134	256	0.32	5.57	0.43	1.00	5.69	250.7	5.92	241.0	0.32	1137.2	0.32	1141.0
	40.6	434	1493	1134	256	0.38	5.83	0.43	1.00	5.95	250.9	6.19	241.0	0.38	1137.3	0.38	1141.0
	40.5	415	1442	1134	256	0.37	5.63	0.43	1.00	5.75	250.7	5.98	241.0	0.36	1137.0	0.36	1141.0
	39	724	1565	1134	256	0.64	6.11	0.55	0.99	6.27	249.5	6.67	234.5	0.64	1138.0	0.63	1145.0

38.8	554	1485	1134	256	0.49	5.80	0.55	0.99	5.97	248.8	6.33	234.5	0.49	1136.3	0.48	1145.0
38.4	348	1366	1134	256	0.31	5.34	0.37	1.00	5.43	251.4	5.94	229.9	0.31	1136.2	0.30	1147.2
36.7	508	1334	1134	256	0.45	5.21	0.50	1.00	5.33	250.4	5.95	224.3	0.45	1137.9	0.44	1151.2
36.5	401	1309	1134	256	0.35	5.11	0.57	0.99	5.24	249.8	5.84	224.3	0.35	1137.6	0.35	1151.2
36.3	662	1386	1134	256	0.58	5.41	0.57	0.99	5.54	250.0	6.35	218.2	0.58	1138.2	0.57	1155.5
36.3	610	1432	1134	256	0.54	5.59	0.57	0.99	5.74	249.5	6.56	218.2	0.54	1136.7	0.53	1155.5
36	568	1298	1134	256	0.50	5.07	0.57	0.99	5.21	249.3	5.95	218.2	0.50	1137.0	0.49	1155.5
36	483	1339	1134	256	0.43	5.23	0.57	0.99	5.36	250.0	6.14	218.2	0.42	1137.2	0.42	1155.5
35.8	492	1298	1134	256	0.43	5.07	0.57	0.99	5.20	249.8	5.95	218.2	0.43	1137.7	0.43	1155.5
35.8	505	1340	1134	256	0.45	5.23	0.57	0.99	5.36	250.0	6.14	218.2	0.44	1137.7	0.44	1155.5
35.7	591	1399	1134	256	0.52	5.46	0.57	0.99	5.60	249.8	6.41	218.2	0.52	1137.6	0.51	1155.5
35.4	483	1360	1134	256	0.43	5.31	0.48	1.00	5.43	250.5	6.40	212.6	0.42	1136.6	0.42	1158.2
35.2	517	1364	1134	256	0.46	5.33	0.48	1.00	5.44	250.7	6.42	212.6	0.45	1137.1	0.45	1158.2
34.6	517	1328	1134	256	0.46	5.19	0.48	1.00	5.30	250.7	6.25	212.6	0.45	1137.0	0.45	1158.2
33.3	420	1219	1134	256	0.37	4.76	0.22	1.00	4.91	248.3	5.80	210.1	0.37	1135.4	0.36	1159.6

TEQ-21	XAn	Ba plag	Sr plag	Ba liquid	Sr liquid	DBa	DSr	% xtl	F	DSr equil	Sr liq equil	DSr fract	Sr liq fract	Dba equil	Dba liq equi	Dba fract	Dba liq fract
	12.7	2777	520	132	24	21.0	21.67	0.07	1.00	22.0	23.7	22.0	23.7	21.3	130.3	21.3	130.3
	12.5	3248	578	132	24	24.6	24.08	0.07	1.00	24.4	23.7	24.4	23.7	25.0	130.1	24.9	130.3
	11.9	1486	341	132	24	11.3	14.21	0.05	1.00	14.4	23.7	14.6	23.4	11.4	130.4	11.5	128.7
	11.5	1983	393	132	24	15.0	16.38	0.05	1.00	16.5	23.8	16.8	23.4	15.1	131.3	15.4	128.7
	10.5	1431	332	132	24	10.8	13.83	0.15	1.00	14.2	23.5	14.5	22.9	11.1	129.3	11.4	126.0
	9.6	2337	335	132	24	17.7	13.96	0.54	0.99	14.9	22.4	15.8	21.2	18.7	125.2	19.6	119.1
	9.6	2645	388	132	24	20.0	16.17	0.54	0.99	17.4	22.3	18.3	21.2	21.9	120.5	22.2	119.1
	9.5	3528	371	132	24	26.7	15.46	0.54	0.99	16.8	22.0	17.5	21.2	29.8	118.6	29.6	119.1
	9.5	3429	460	132	24	26.0	19.17	0.54	0.99	20.8	22.1	21.7	21.2	30.0	114.3	28.8	119.1
	9.4	2817	343	132	24	21.3	14.29	0.62	0.99	16.0	21.4	18.4	18.7	25.2	111.9	28.1	100.2
	9.2	3054	362	132	24	23.1	15.08	0.62	0.99	16.5	22.0	19.4	18.7	26.6	114.8	30.5	100.2
	9.1	2621	345	132	24	19.9	14.38	0.62	0.99	15.8	21.9	18.5	18.7	23.0	113.9	26.2	100.2
	9.1	4005	379	132	24	30.3	15.79	0.62	0.99	17.2	22.0	20.3	18.7	34.5	116.2	40.0	100.2
	9	1929	365	132	24	14.6	15.21	0.62	0.99	16.7	21.8	19.5	18.7	17.6	109.3	19.2	100.2
	8.9	3773	378	132	24	28.6	15.75	0.62	0.99	17.3	21.9	20.2	18.7	31.5	119.7	37.7	100.2
	8.9	2099	286	132	24	15.9	11.92	0.62	0.99	13.1	21.8	15.3	18.7	18.9	111.0	20.9	100.2
	8.8	2162	284	132	24	16.4	11.83	0.62	0.99	12.7	22.3	15.2	18.7	18.2	118.8	21.6	100.2
	8.8	3674	342	132	24	27.8	14.25	0.62	0.99	15.3	22.4	18.3	18.7	30.8	119.3	36.7	100.2
	8.8	2314	291	132	24	17.5	12.13	0.62	0.99	13.2	22.0	15.6	18.7	20.8	111.4	23.1	100.2

8.6	3801	363	132	24	28.8	15.13	0.62	0.99	16.3	22.3	19.4	18.7	32.3	117.6	37.9	100.2
8.6	1481	283	132	24	11.2	11.79	0.62	0.99	12.9	21.9	15.1	18.7	13.4	110.5	14.8	100.2
8.2	2753	307	132	24	20.9	12.79	0.43	1.00	13.4	22.8	17.5	17.6	22.0	125.3	29.2	94.4
8.1	2315	294	132	24	17.5	12.25	0.43	1.00	12.9	22.8	16.7	17.6	19.1	121.1	24.5	94.4
7.7	2429	271	132	24	18.4	11.29	0.43	1.00	11.9	22.8	15.4	17.6	19.8	122.5	25.7	94.4
7.4	2489	296	132	24	18.9	12.33	0.08	1.00	12.4	23.8	17.0	17.4	19.1	130.0	26.9	92.6
6.1	1363	220	132	24	10.3	9.17	0.02	1.00	9.2	23.9	12.7	17.3	10.4	131.5	14.8	92.1

Table A7: Plagioclase Major and Trace Element Data

TEQ-21	SiO_2	Al_2O_3	Fe_2O_3	CaO	Na_2O	K_2O	sum	mol% An	mol% Ab	mol% Or	Li	Cu	Zn	Sr	Ba	La	Ce	Pr	Nd	Sm	Eu	Pb
Plag 12	64.9	21.0	0.26	2.16	8.39	3.38	100.1	45.4	52.1	2.5	2.1	1.8	4.5	335.3	2336.9	11.4	12.1	0.7	1.9	0.2	2.8	16.0
Plag 12	65.6	21.0	0.19	1.83	8.33	3.47	100.7	8.7	71.7	19.7	2.5	0.2	5.0	284.1	2162.4	11.0	11.4	0.8	1.7	-	3.1	14.0
Plag 12	65.5	20.9	0.16	1.93	8.55	3.09	100.4	11.9	74.4	13.6	3.3	1.0	8.2	361.6	3053.9	11.4	11.1	0.8	1.4	-	3.9	16.4
Plag 23	65.4	21.4	0.23	2.47	8.59	2.49	100.9	11.5	73.8	14.7	3.7	1.2	4.0	340.8	1485.8	11.3	11.6	0.9	1.6	-	2.5	8.5
Plag 23	64.1	20.8	0.22	2.26	7.54	3.25	98.5	9.1	70.3	20.6	3.2	1.2	4.8	392.8	1982.5	12.9	12.8	0.8	2.3	-	3.2	13.9
Plag 14	65.7	20.7	0.18	1.92	8.36	3.47	100.7	8.9	71.2	19.9	2.3	1.0	4.5	345.0	2620.8	10.7	11.7	0.8	1.5	-	3.3	15.0
Plag 14	65.9	20.5	0.21	1.91	8.40	3.57	100.6	8.8	71.3	19.9	2.2	-	5.9	378.5	3773.3	13.6	12.3	0.7	1.6	-	4.2	17.6
Plag 14	65.4	21.1	0.17	1.88	8.48	3.60	100.8	8.6	71.1	20.4	3.4	1.1	4.8	341.8	3674.0	12.0	11.7	0.6	1.4	-	3.7	18.7
Plag 15	64.8	20.9	0.18	1.81	8.27	3.56	99.9	8.6	71.2	20.2	3.9	0.4	5.0	343.0	2816.6	12.2	12.3	0.7	1.5	0.5	4.4	15.4
Plag 15	66.1	20.7	0.22	1.55	8.30	3.79	100.9	7.9	70.9	21.3	2.1	0.8	6.3	296.2	2488.6	10.7	9.7	0.6	1.3	0.1	2.8	11.4
Plag 16	65.3	20.3	0.17	1.66	8.11	3.53	99.7	8	71.1	20.9	2.1	1.2	3.8	294.0	2315.0	10.6	10.0	0.7	1.5	0.3	3.0	10.9
Plag 16	65.5	20.5	0.18	1.85	8.21	3.56	100.1	8.8	70.9	20.2	3.0	1.3	3.8	286.2	2099.3	10.8	10.7	0.7	2.2	-	2.7	12.1
Plag 16	66.4	20.2	0.26	1.54	7.80	3.69	100.2	7.7	70.4	21.9	2.0	1.7	4.4	270.6	2428.5	10.1	9.6	0.7	1.6	0.2	3.0	12.2
Plag 31	65.9	20.6	0.20	1.87	8.19	3.77	100.8	8.8	70	21.2	1.9	1.7	3.8	290.6	2314.4	11.3	10.9	0.7	1.7	0.3	3.1	12.5
Plag 26	65.5	20.9	0.16	2.21	8.24	3.23	100.5	10.5	71.1	18.3	3.3	-	5.4	331.7	1431.3	11.5	13.7	0.8	2.3	-	2.6	12.6
Plag 26	65.7	20.7	0.19	2.01	8.26	3.42	100.6	9.6	71.1	19.4	2.7	-	6.1	387.8	2645.3	11.8	11.6	0.7	1.6	-	2.7	13.5
Plag 26	66.0	20.9	0.20	1.88	8.20	3.55	101.1	1.9	9	20.2	4.0	-	4.3	365.4	1929.0	11.0	10.8	0.8	1.5	0.0	2.5	13.1
Plag 25	65.9	20.8	0.14	1.72	7.97	4.01	101.0	8.2	69	22.8	3.9	1.3	4.2	306.9	2752.6	10.2	10.4	0.8	1.8	-	3.0	14.4
Plag 25	65.7	20.9	0.17	1.99	8.20	3.44	100.8	9.5	70.9	19.6	4.4	0.9	7.9	371.4	3528.5	10.5	10.7	0.8	1.6	-	3.6	16.6
Plag 25	66.1	20.7	0.18	1.81	8.21	3.68	101.1	8.6	70.6	20.8	3.0	1.6	6.9	362.8	3801.1	12.3	11.3	0.6	2.0	-	3.6	16.3
Plag 30	65.5	21.3	0.17	2.65	8.65	2.39	100.8	8.2	69.5	22.4	4.8	-	6.5	577.6	3248.4	17.8	14.7	1.1	3.1	-	4.3	15.1
Plag 30	65.5	21.0	0.14	1.99	8.22	3.42	100.7	7.1	69.1	23.8	5.4	1.6	5.0	460.2	3428.9	13.0	12.1	1.3	2.6	-	3.6	14.3
Plag 30	65.2	21.5	0.17	2.65	8.51	2.41	100.6	12.5	74	13.4	4.8	1.5	3.8	519.7	2777.2	17.1	15.4	1.0	3.2	-	4.3	14.0
Plag 30	65.7	20.7	0.16	1.91	8.17	3.65	100.8	9.5	71	19.5	3.8	1.3	7.3	379.3	4004.9	13.1	10.5	0.7	1.5	-	4.0	15.9
Plag 30	65.7	20.5	0.17	1.78	7.94	3.78	100.2	12.7	73.6	13.7	3.2	0.9	3.8	282.9	1481.3	10.7	10.0	0.7	1.6	-	2.4	8.8
Plag 30	66.6	20.2	0.17	1.28	7.78	4.75	101.2	9.1	70.3	20.7	2.1	0.4	3.7	219.6	1362.6	8.2	7.6	0.5	1.2	0.4	2.3	7.3
COMP-3	**SiO_2**	**Al_2O_3**	**Fe_2O_3**	**CaO**	**Na_2O**	**K_2O**	**sum**	**mol% An**	**mol% Ab**	**mol% Or**	**Li**	**Cu**	**Zn**	**Sr**	**Ba**	**La**	**Ce**	**Pr**	**Nd**	**Sm**	**Eu**	**Pb**
Plag 17	58.4	26.4	0.21	8.27	6.74	0.31	100.4	39.7	58.5	1.8	10.4	-	5.4	1538.9	412.2	8.5	10.9	0.9	1.7	0.3	1.1	6.0
Plag 17	58.4	26.6	0.23	8.10	6.89	0.36	100.7	38.6	59.4	2	10.7	1.8	5.2	1489.4	383.7	8.0	10.2	0.7	2.1	0.2	0.8	6.1
Plag 17	58.3	26.5	0.25	8.26	7.06	0.37	100.7	38.5	59.5	2.1	11.7	-	5.2	1491.0	383.2	6.6	9.4	0.8	2.8	-	1.0	4.8
Plag 17	58.5	26.5	0.20	8.29	6.81	0.34	100.8	39.5	58.6	1.9	9.7	-	5.7	1500.0	386.6	7.7	9.6	0.5	2.2	0.2	1.0	5.8
Plag 17	58.3	26.5	0.23	8.29	6.71	0.37	100.5	39.7	58.2	2.1	10.7	1.2	5.2	1539.0	429.1	7.9	10.5	0.8	2.0	-	1.1	5.5
Plag 17	57.9	26.3	0.21	8.19	6.68	0.33	99.7	39.6	58.5	1.9	9.9	-	6.1	1475.6	377.3	8.3	9.5	0.9	2.1	0.3	1.0	5.8

Plag 17	58.0	26.5	0.23	8.18	6.76	0.34	100.1	39.3	58.7	2	9.7	-	4.0	1512.5	382.0	8.0	10.3	0.9	2.8	-	0.9	5.7
Plag 18	53.6	30.0	0.27	11.80	4.71	0.19	100.6	38.3	59.8	2	8.1	-	4.4	1512.5	379.9	6.7	9.3	0.8	2.1	-	1.1	5.9
Plag 18	51.6	30.8	0.31	13.33	3.94	0.17	100.2	39.6	58.5	1.9	12.8	0.9	5.5	1814.1	402.2	8.0	9.9	1.0	2.4	-	1.1	6.5
Plag 18	51.1	31.5	0.39	13.71	3.65	0.14	100.5	38.4	59.5	2.1	10.6	1.3	5.1	1681.0	393.9	7.5	10.0	0.6	2.7	0.2	0.9	6.0
Plag 16	49.2	32.6	0.36	14.80	3.11	0.14	100.2	39.3	58.7	2	11.3	-	5.1	1562.2	470.6	7.1	8.7	1.0	2.1	-	1.4	3.7
Plag 16	51.0	31.2	0.32	13.62	3.76	0.15	100.0	39.4	58.4	2.2	12.9	-	6.5	1789.0	641.0	8.8	10.8	1.1	1.6	0.5	1.1	4.6
Plag 26	51.2	31.1	0.31	13.47	3.81	0.16	100.1	40.6	57.5	1.9	11.2	-	7.5	1619.3	398.3	8.0	9.6	0.9	2.8	-	1.0	5.4
Plag 26	51.7	31.2	0.32	13.58	3.80	0.15	100.8	39.2	58.9	1.9	13.6	-	6.4	1498.5	545.1	9.3	12.2	1.0	2.9	0.2	1.0	7.3
Plag 26	51.1	31.4	0.26	13.97	3.61	0.14	100.4	40	57.9	2	12.7	-	4.8	1440.7	367.0	7.1	9.7	0.9	2.4	0.2	0.8	5.0
JAL-10	**SiO_2**	**Al_2O_3**	**Fe_2O_3**	**CaO**	**Na_2O**	**K_2O**	**sum**	**mol% An**	**mol% Ab**	**mol% Or**	**Li**	**Cu**	**Zn**	**Sr**	**Ba**	**La**	**Ce**	**Pr**	**Nd**	**Sm**	**Eu**	**Pb**
Plag 1	59.4	26.5	0.28	8.00	6.89	0.32	101.5	38.4	59.8	1.8	9.4	-	6.3	1365.9	348.1	5.0	5.9	0.6	1.8	-	0.8	4.1
Plag 1	55.5	28.8	0.40	10.56	5.40	0.24	101.0	51.2	47.4	1.4	11.7	-	7.8	1686.4	245.0	3.3	4.7	0.4	1.3	0.1	0.7	2.4
Plag 1	55.8	28.6	0.41	10.29	5.57	0.26	100.9	49.8	48.8	1.5	16.1	-	6.3	1726.8	269.5	4.2	5.9	0.6	1.4	-	0.9	3.1
Plag 1	55.9	28.5	0.42	10.26	5.67	0.22	101.1	49.4	49.4	1.3	12.7	-	7.2	1773.5	294.7	4.2	5.5	0.4	1.8	-	0.9	2.4
Plag 1	57.2	27.6	0.35	9.22	6.21	0.31	101.1	44.3	54.0	1.8	14.2	-	6.9	1498.3	279.2	4.3	5.9	0.6	1.7	0.1	0.8	4.1
Plag 2	58.2	27.2	0.31	8.58	6.56	0.30	101.2	41.2	57.1	1.7	14.2	1.4	12.6	1426.7	363.2	5.8	7.1	0.6	1.9	-	0.8	4.8
Plag 2	59.9	26.1	0.26	7.45	7.08	0.39	101.3	36.0	61.8	2.2	11.8	1.2	15.9	1308.8	400.7	6.1	8.6	0.7	1.9	0.2	1.3	6.0
Plag 7	58.7	27.0	0.32	8.26	6.57	0.34	101.3	40.2	57.9	2.0	10.9	-	6.1	1493.2	433.7	7.2	8.8	0.9	2.5	0.1	0.9	5.7
Plag 7	58.2	26.9	0.30	8.22	6.54	0.32	100.6	40.2	57.9	1.9	14.8	-	11.2	1481.6	393.6	6.2	8.0	0.7	2.3	0.2	1.1	4.6
Plag 8	55.9	28.9	0.36	10.37	5.62	0.25	101.4	49.8	48.8	1.4	11.9	1.1	5.5	1723.8	299.8	5.1	7.0	0.6	1.8	0.3	1.3	4.4
Plag8	60.3	25.5	0.27	6.95	7.40	0.42	100.9	33.3	64.2	2.4	9.5	0.8	4.6	1219.1	420.0	6.7	8.0	0.7	2.4	-	1.0	4.9
Plag 11	59.5	26.1	0.29	7.47	7.10	0.38	101.0	36.0	61.9	2.2	11.7	-	7.5	1327.5	517.4	7.0	9.2	0.7	1.5	0.3	1.0	5.2
Plag 11	59.5	26.1	0.32	7.59	6.99	0.41	101.0	36.6	61.0	2.4	11.2	-	10.0	1297.9	568.4	9.0	10.8	0.9	2.9	-	1.3	6.4
Plag 12	60.2	25.6	0.32	7.34	7.20	0.40	101.1	35.2	62.5	2.3	10.5	0.8	5.4	1363.9	517.5	7.5	9.8	0.9	2.6	0.2	1.1	5.2
Plag 12	59.8	25.6	0.27	7.34	7.07	0.40	100.6	35.6	62.1	2.3	8.1	1.0	12.5	1334.4	507.9	7.7	9.8	1.0	2.7	0.2	1.5	5.7
Plag 12	59.5	26.2	0.30	7.55	7.05	0.41	101.1	36.3	61.4	2.4	10.8	0.9	16.8	1386.5	661.5	10.5	12.0	0.9	3.1	0.4	1.4	7.7
Plag 13	59.8	25.7	0.33	7.30	7.13	0.39	100.7	35.3	62.4	2.3	12.0	-	8.4	1360.1	483.2	7.2	9.2	0.6	2.1	0.3	1.2	5.4
Plag 13	59.9	26.0	0.28	7.53	7.26	0.39	101.5	35.7	62.1	2.2	13.7	0.5	4.6	1339.2	482.7	7.9	9.1	0.7	2.3	0.3	1.2	5.5
Plag 13	59.8	26.3	0.27	7.36	6.84	0.40	100.9	36.4	61.2	2.3	10.3	-	17.3	1432.3	610.3	7.7	10.6	0.8	2.7	-	1.2	5.5
Plag 13	59.0	26.4	0.31	8.01	6.80	0.36	100.9	38.6	59.3	2.1	14.3	-	6.3	1484.8	554.4	8.6	10.4	0.8	2.8	0.3	1.2	5.9
Plag 13	59.6	25.9	0.28	7.44	7.14	0.40	100.8	35.7	62.0	2.3	10.7	0.6	5.6	1298.2	492.1	7.9	9.2	0.6	2.5	0.3	1.2	5.0
Plag 16	57.1	28.0	0.32	9.41	6.08	0.27	101.1	45.4	53.1	1.5	13.8	-	11.1	1677.2	277.1	4.3	5.8	0.4	2.2	-	0.7	3.0
Plag 16	57.3	27.8	0.36	9.34	6.15	0.28	101.2	44.9	53.5	1.6	11.1	-	7.3	1606.0	285.3	4.3	5.6	0.5	1.3	0.3	0.7	4.1
Plag 16	58.3	26.5	0.31	8.38	6.60	0.36	100.5	40.4	57.6	2.1	12.5	-	7.1	1442.4	414.9	6.7	9.1	0.6	2.3	-	1.0	5.3
Plag 19	59.7	26.0	0.27	7.45	7.15	0.38	101.0	35.8	62.1	2.2	10.1	-	6.1	1340.2	504.5	8.0	9.8	0.8	2.3	0.1	1.0	5.7
Plag 19	57.7	27.3	0.27	8.69	6.40	0.29	100.7	42.1	56.2	1.7	15.5	-	6.8	1628.4	784.8	8.7	12.2	1.0	2.7	-	1.5	6.6

Table A8: Calibration of Rhyolite Hygrometer (Lange et al., 2012)

Source	Xan (xtl)	Xab (xtl)	% glass	T(°C)	P (bars)	SiO_2 (wt%)	TiO_2 (wt%)	Al_2O_3 (wt%)	FeO (wt%)	MgO (wt%)	CaO (wt%)	Na_2O (wt%)	K_2O (wt%)	H_2O (wt %)	Total
1	0.27	0.73	>90	800	2000	69.0	0.35	17.0	2.29	0.24	1.25	5.22	4.53	5.96	91.9
1	0.19	0.81	>90	900	500	69.6	0.65	14.9	3.07	0.27	0.87	5.00	5.49	2.58	97.4
1	0.25	0.75	>90	750	2000	74.5	0.18	13.9	1.35	0.15	1.18	4.12	4.51	6.08	93.5
1	0.19	0.81	>90	750	1000	75.9	0.10	13.4	1.12	0.14	0.75	3.16	5.21	4.23	95.0
1	0.35	0.65	>90	800	1500	74.6	0.21	14.0	1.41	0.19	1.18	3.79	4.60	5.09	95.7
1	0.50	0.50	>90	850	1000	74.1	0.25	13.7	1.59	0.21	1.20	4.31	4.62	3.95	96.1
1	0.28	0.73	>90	750	2000	76.9	0.12	13.8	1.14	0.12	0.92	3.54	4.88	6.11	92.3
1	0.27	0.73	>90	750	2000	75.9	0.14	13.5	0.83	0.08	0.88	3.83	4.82	6.11	93.6
1	0.19	0.81	>90	750	1000	77.0	0.11	13.0	0.96	0.12	0.64	3.12	5.01	4.24	95.0
1	0.24	0.76	>90	800	1000	75.7	0.17	13.1	1.18	0.14	0.86	4.05	4.83	4.09	95.2
2	0.28	0.72		780	1000	77.5	0.11	12.7	1.09	0.09	0.96	4.23	3.12	4.13	95.1
2	0.27	0.73		820	700	77.7	0.13	12.7	1.01	0.11	0.91	4.25	3.06	3.31	96.8
2	0.29	0.71		800	900	77.4	0.11	12.7	0.95	0.13	1.00	4.47	2.99	3.86	94.8
2	0.30	0.70		760	1300	77.6	0.12	12.8	1.06	0.10	1.02	4.22	3.01	4.80	95.5
3	0.50	0.51	98.6	900	980	75.1	0.17	14.2	2.07	0.31	1.99	4.73	1.31	3.69	92.0
3	0.51	0.49	92.9	875	980	76.8	0.18	13.6	1.38	0.32	1.56	4.56	1.40	3.76	90.0
3	0.44	0.56	86.4	850	980	78.8	0.15	12.8	1.13	0.31	1.29	3.78	1.55	3.82	91.7
3	0.37	0.63	75.4	825	980	77.9	0.11	13.1	1.47	0.17	1.20	4.21	1.64	3.90	91.3
3	0.50	0.50	98.4	825	1960	75.5	0.14	14.5	1.36	0.33	2.02	4.72	1.31	5.65	89.7
3	0.46	0.54	98.3	800	1960	75.8	0.14	14.3	1.17	0.30	2.07	4.70	1.34	5.71	90.1
3	0.45	0.56	91.6	790	1960	77.0	0.15	13.9	1.56	0.28	1.58	4.05	1.32	5.70	87.4
3	0.39	0.61	89.1	790	1960	77.6	0.14	13.3	1.45	0.26	1.62	3.99	1.43	5.73	89.6
3	0.36	0.64	80.6	785	1960	78.4	0.09	13.2	1.29	0.16	1.28	3.87	1.54	5.75	87.8
3	0.41	0.59	82.4	775	1960	78.1	0.14	13.1	1.00	0.22	1.30	4.41	1.54	5.83	89.8
3	0.39	0.62	88.4	775	1960	77.9	0.12	13.2	1.29	0.24	1.49	4.05	1.52	5.79	89.0
3	0.36	0.64	65.2	775	2450	77.6	0.14	13.4	0.75	0.31	1.61	4.59	1.41	6.56	90.0
3	0.34	0.66	89.5	775	2450	77.8	0.10	13.3	1.36	0.20	1.40	4.00	1.68	6.52	88.3
3	0.33	0.67	84.5	750	2450	77.6	0.08	13.9	1.25	0.16	1.33	3.78	1.72	6.49	87.5
3	0.30	0.70	95	700	3920	76.8	0.08	14.5	0.79	0.20	1.94	4.31	1.30	8.25	85.9
4	0.35	0.65	86.7	880	650	73.1	0.33	14.3	1.60	0.23	1.42	5.44	3.35	3.04	
4	0.33	0.67	92.1	840	950	72.6	0.26	15.0	1.30	0.22	1.66	5.65	3.12	3.86	
4	0.38	0.62	90.2	840	1100	71.8	0.26	14.7	2.02	0.29	1.45	6.33	3.04	4.23	
4	0.35	0.65	89.6	870	1200	72.0	0.44	14.7	1.87	0.34	1.34	5.74	3.29	4.34	
4	0.42	0.58	99.2	870	1500	70.3	0.36	15.7	2.27	0.29	1.66	6.16	2.94	4.90	
4	0.38	0.62	90.7	891	1000	71.7	0.37	14.3	2.31	0.30	1.50	6.44	3.04	3.90	

1 Waters et al., 2012; 2 Coombs & Gardner, 2001; 3 Tomiya et al., 2010; 4 Larsen (2005)

Table A9: Free energy of hydration reactions

Reaction	ΔG(298 K) (kJ mol^{-1})
$Na_2O + H_2O = 2NaOH$	-143.3
$CaO + H_2O = Ca(OH)_2$	-57.8
$MgO + H_2O = Mg(OH)_2$	-27.6
$FeO + H_2O = Fe^{2+}(OH)_2$	-3.4
$1/3Fe_2O_3 + H_2O = 2/3Fe^{3+}(OH)_3$	14.7

From JANAF table (Chase, 1998)

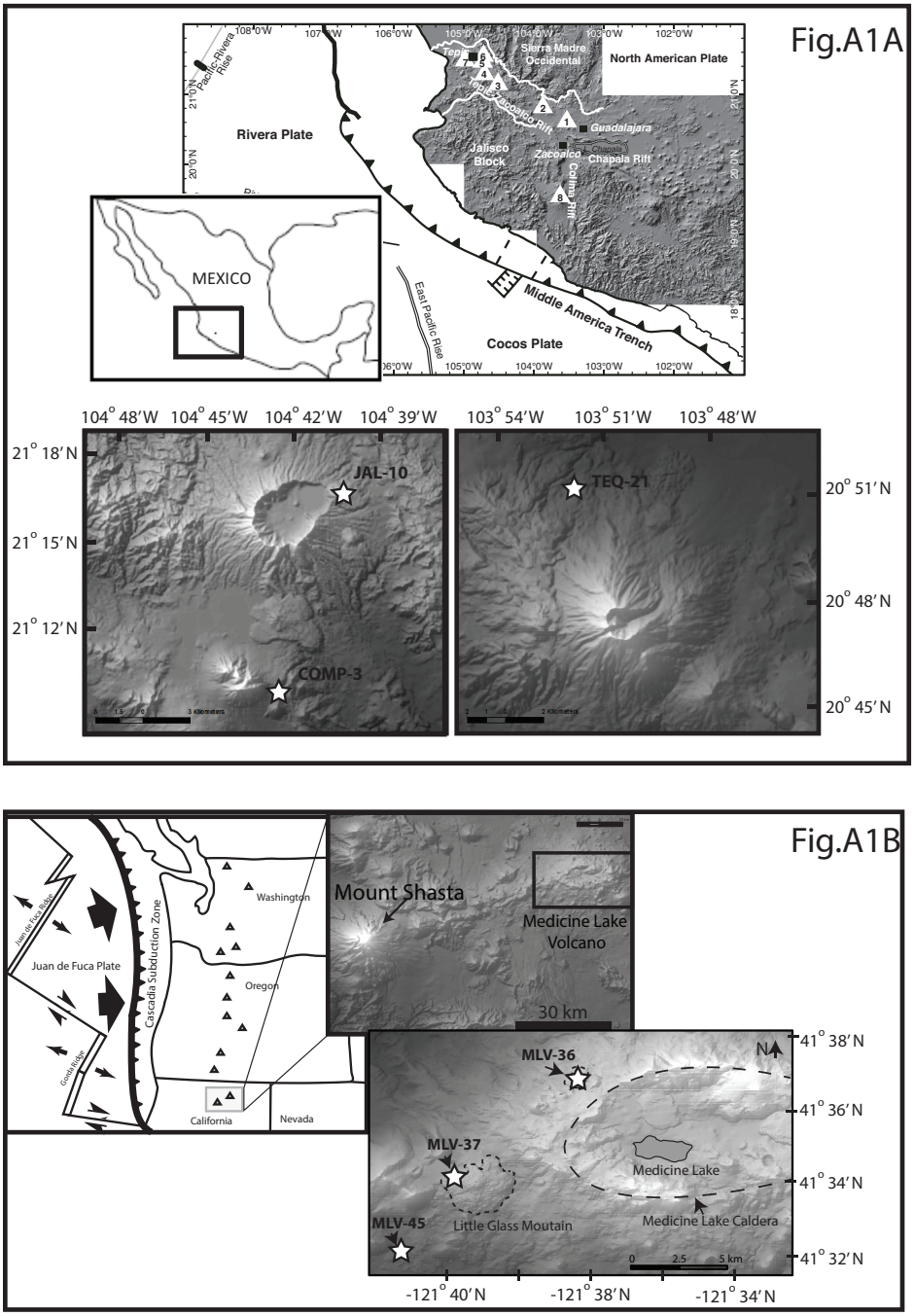

Figure A1: Location maps for the samples featured in this study. (a) Map and tectonic setting of western Mexico. Numbered triangles in lower map denote large stratovolcanoes in the western Mexican arc: (1) Volcán San Juan; (2) Volcán Sanganguey; (3) Volcán Tepitiltic; (4) Volcán Ceboruco; (5) Volcán Tequila; (6) Volcán Colima; (7) VolcánTancítaro. Enlarged shaded relief maps for stratovolcanoes (4) and (5) show the location of peripheral vents from which TEQ-21, JAL-10, and COMP-3 were obtained. (b) Tectonic setting and D.E.M. (digital elevation model) of Medicine Lake Volcano. Sample locations are marked with white stars and their corresponding obsidian domes are outlined with a fine dashed line. Medicine Lake Caldera is outlined with a large dashed line, following Donnelly-Nolan et al. (2008).

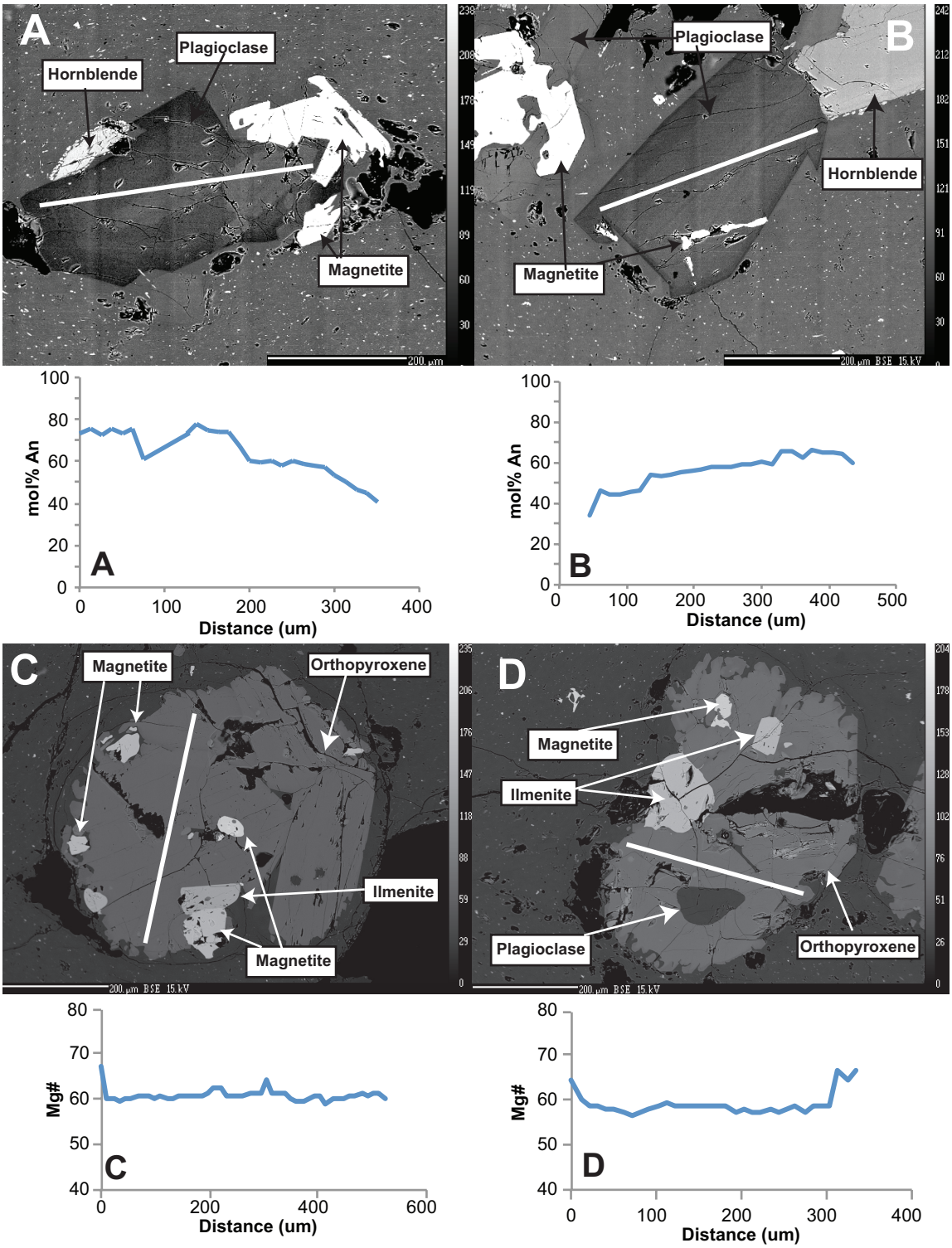

Figure A2: Images A-D are plagioclase and orthopyroxene grains with inclusions of titanomagnetite, ilmenite, and plagioclase. Compositional traverses of plagioclase and orthopyroxene are provided below each image. In images A and B, titanomagnetite grains are included in and intergrown with the most calcic grains, suggesting that they grew early. Hornblende grains are pointed to illustrate saturation in multiple phases. Images C and D are of orthopyroxene grains with inclusions of plagioclase, ilmenite, titanomagnetite, which shows that orthopyroxene grew after the oxides and plagioclase.

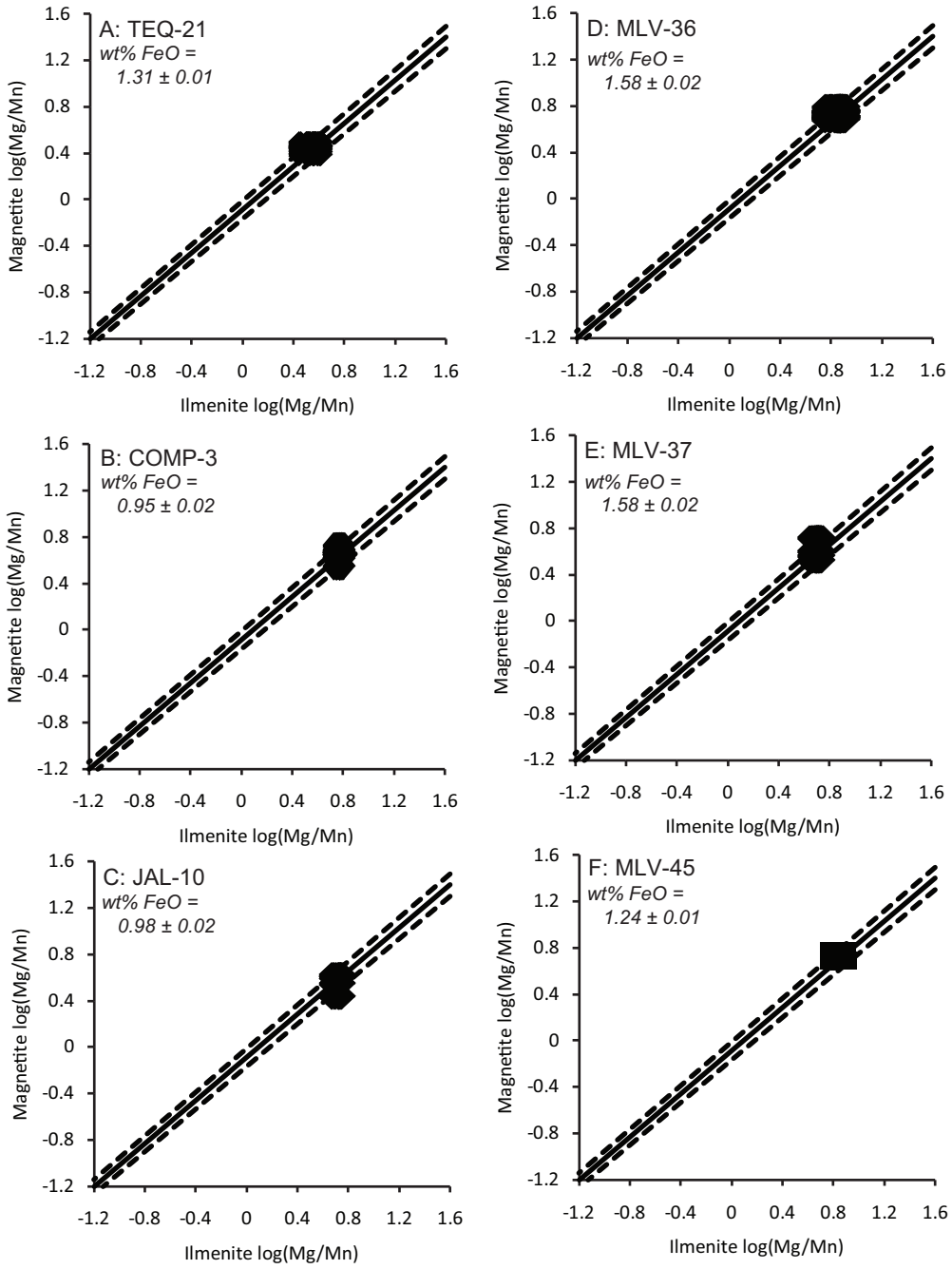

Figure A3: Shown above is a plot of $XMg/XMn_{ilmenite}$ v. $XMg/XMn_{magnetite}$ for all possible pairs of ilmenite and magnetite and the test of equilibrium proposed by Bacon and Hirschmann (1988). All possible pairs show little deviation from the test of equilibrium.

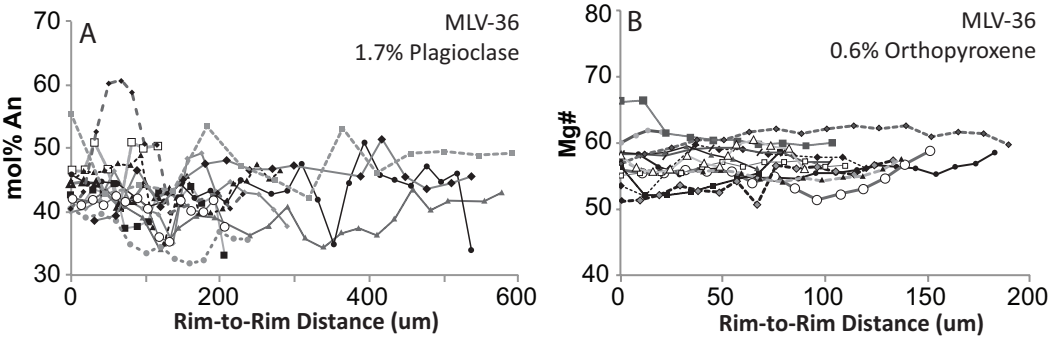

Figure A4: Compositional traverses of plagioclase (An%) and orthopyroxene (Mg#) phenocrysts in MLV-36, as a function of rim to rim distance across a grain. A wider variation in composition is observed in the entire data set than in a single traverse.

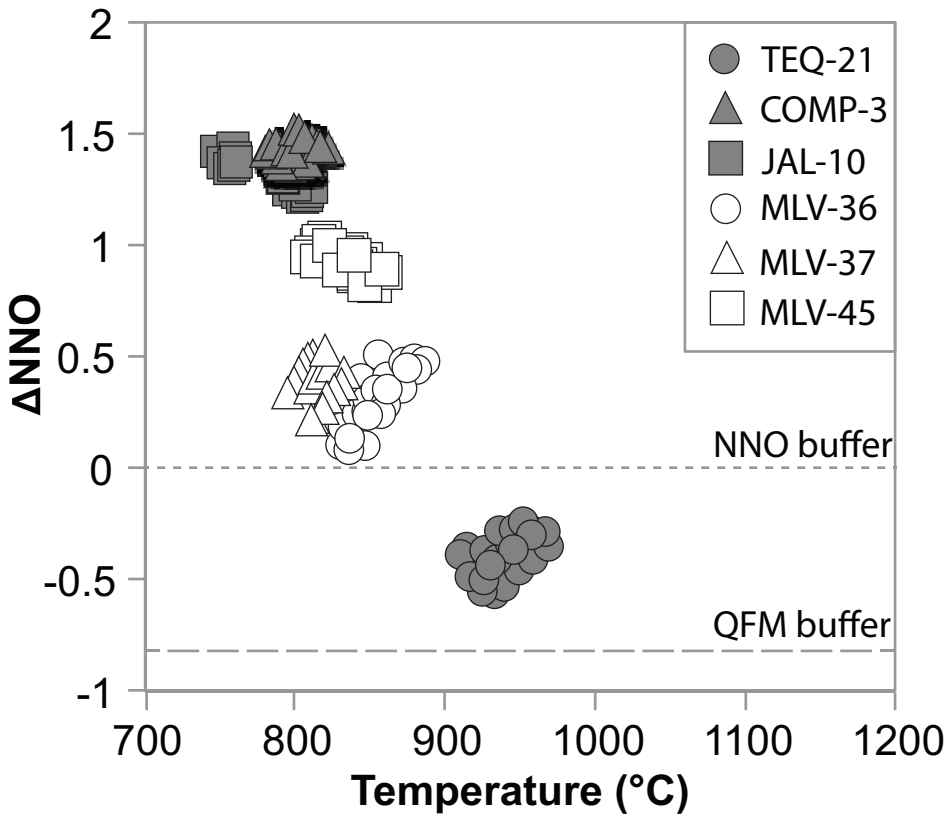

Figure A5: Plot of ΔNNO v. temperature results (± 1σ) for all possible pairings of iron oxides, which passed the following filters: wt% SiO_2 and wt% CaO <0.1. Cutoffs were extended to wt% SiO_2 <0.2 in the cases of JAL-10 and MLV-45, where none of the magnetite grains passed the filters due to small sizes. NNO and QFM buffers are shown for reference.

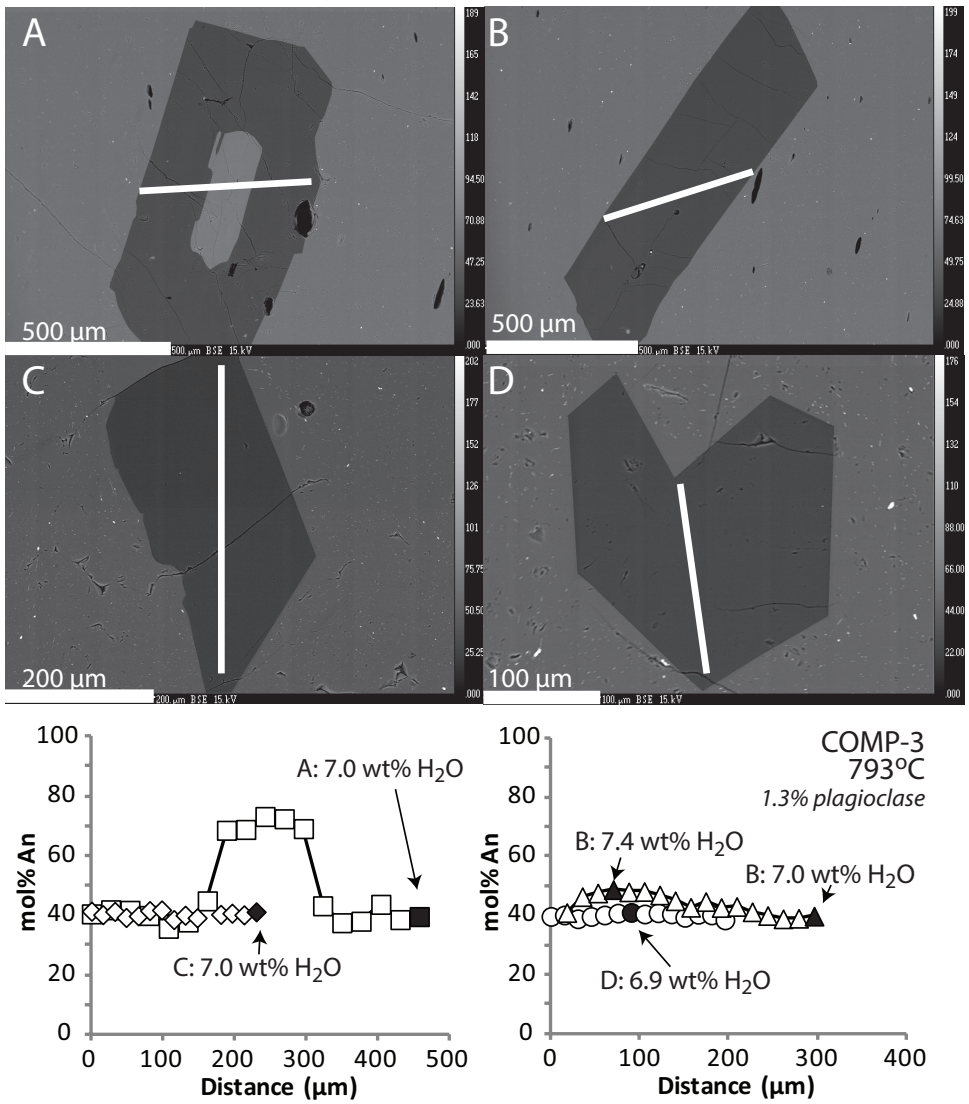

Figure A6: BSE images of plagioclase crystals (A-D) in COMP-3. A possible xenocryst core (A) (An70) is featured alongside three euhedral grains of plausible phenocrysts (An36-48) (B-D).

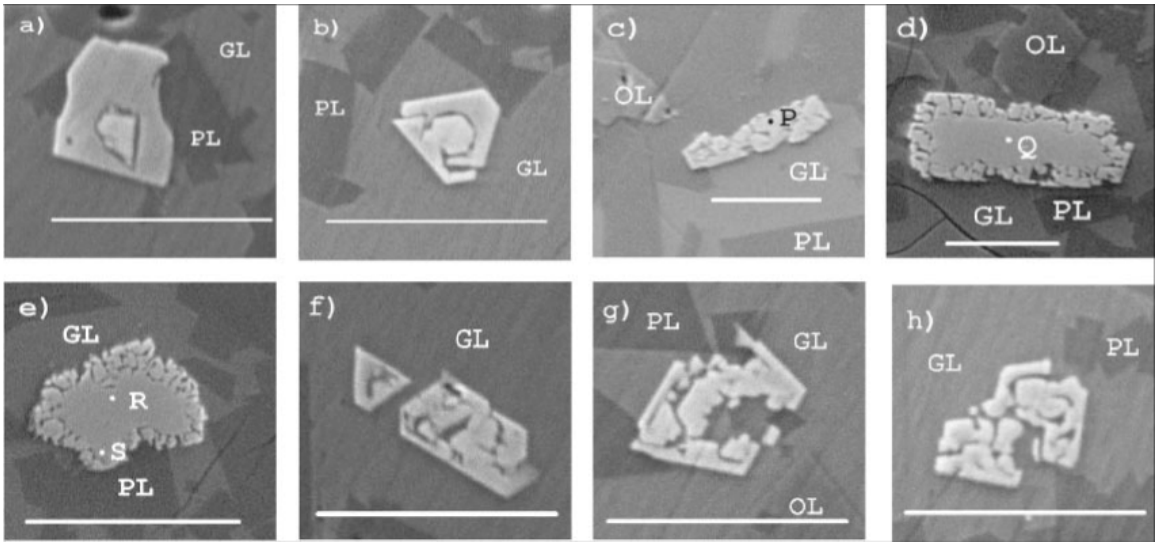

Figure A7: BSE images of chromian spinel growth textures from experiments of Roeder et al. (2001), where a basaltic liquid was held at 1225°C, then cooled slowly over eight hours to 1147°C and then quenched. Chromium spinels show complex textures, such as cores plated with euhedral rims (a and b), crystals with vermiform rims (c-e), and crystals with euhedral rims along with abundant melt inclusions and skeletal off shoots (f-h).

APPENDIX B

Table B1: Sulfur Contents of Groundmasses

	TEQ-21	JAL-10	COMP-3	CAM-49	MLV-36	MLV-37
S (ppm)	bdl	bdl	bdl	bdl	bdl	28
n	7	7	7	7	7	8
±2σ	n/a	n/a	n/a	n/a	n/a	49
Detection lim (ppm)	14	14	14	14	14	14

Abbreviations: bdl, below detection limit; n/a, not available

Supplementary Table B2: Calibration of Rhyolite Hygrometer (Lange et al., 2012)

Source	Xan (xtl)	Xab (xtl)	% glass	T(°C)	P (bars)	SiO_2 (wt%)	TiO_2 (wt%)	Al_2O_3 (wt%)	FeO (wt%)	MgO (wt%)	CaO (wt%)	Na_2O (wt%)	K_2O (wt%)	H_2O (wt %)	Total
1	0.27	0.73	>90	800	2000	69.0	0.35	17.0	2.29	0.24	1.25	5.22	4.53	5.96	91.9
1	0.19	0.81	>90	900	500	69.6	0.65	14.9	3.07	0.27	0.87	5.00	5.49	2.58	97.4
1	0.25	0.75	>90	750	2000	74.5	0.18	13.9	1.35	0.15	1.18	4.12	4.51	6.08	93.5
1	0.19	0.81	>90	750	1000	75.9	0.10	13.4	1.12	0.14	0.75	3.16	5.21	4.23	95.0
1	0.35	0.65	>90	800	1500	74.6	0.21	14.0	1.41	0.19	1.18	3.79	4.60	5.09	95.7
1	0.50	0.50	>90	850	1000	74.1	0.25	13.7	1.59	0.21	1.20	4.31	4.62	3.95	96.1
1	0.28	0.73	>90	750	2000	76.9	0.12	13.8	1.14	0.12	0.92	3.54	4.88	6.11	92.3
1	0.27	0.73	>90	750	2000	75.9	0.14	13.5	0.83	0.08	0.88	3.83	4.82	6.11	93.6
1	0.19	0.81	>90	750	1000	77.0	0.11	13.0	0.96	0.12	0.64	3.12	5.01	4.24	95.0
1	0.24	0.76	>90	800	1000	75.7	0.17	13.1	1.18	0.14	0.86	4.05	4.83	4.09	95.2
2	0.28	0.72		780	1000	77.5	0.11	12.7	1.09	0.09	0.96	4.23	3.12	4.13	95.1
2	0.27	0.73		820	700	77.7	0.13	12.7	1.01	0.11	0.91	4.25	3.06	3.31	96.8
2	0.29	0.71		800	900	77.4	0.11	12.7	0.95	0.13	1.00	4.47	2.99	3.86	94.8
2	0.30	0.70		760	1300	77.6	0.12	12.8	1.06	0.10	1.02	4.22	3.01	4.80	95.5
3	0.50	0.51	98.6	900	980	75.1	0.17	14.2	2.07	0.31	1.99	4.73	1.31	3.69	92.0
3	0.51	0.49	92.9	875	980	76.8	0.18	13.6	1.38	0.32	1.56	4.56	1.40	3.76	90.0
3	0.44	0.56	86.4	850	980	78.8	0.15	12.8	1.13	0.31	1.29	3.78	1.55	3.82	91.7
3	0.37	0.63	75.4	825	980	77.9	0.11	13.1	1.47	0.17	1.20	4.21	1.64	3.90	91.3
3	0.50	0.50	98.4	825	1960	75.5	0.14	14.5	1.36	0.33	2.02	4.72	1.31	5.65	89.7
3	0.46	0.54	98.3	800	1960	75.8	0.14	14.3	1.17	0.30	2.07	4.70	1.34	5.71	90.1
3	0.45	0.56	91.6	790	1960	77.0	0.15	13.9	1.56	0.28	1.58	4.05	1.32	5.70	87.4
3	0.39	0.61	89.1	790	1960	77.6	0.14	13.3	1.45	0.26	1.62	3.99	1.43	5.73	89.6
3	0.36	0.64	80.6	785	1960	78.4	0.09	13.2	1.29	0.16	1.28	3.87	1.54	5.75	87.8
3	0.41	0.59	82.4	775	1960	78.1	0.14	13.1	1.00	0.22	1.30	4.41	1.54	5.83	89.8
3	0.39	0.62	88.4	775	1960	77.9	0.12	13.2	1.29	0.24	1.49	4.05	1.52	5.79	89.0
3	0.36	0.64	65.2	775	2450	77.6	0.14	13.4	0.75	0.31	1.61	4.59	1.41	6.56	90.0
3	0.34	0.66	89.5	775	2450	77.8	0.10	13.3	1.36	0.20	1.40	4.00	1.68	6.52	88.3
3	0.33	0.67	84.5	750	2450	77.6	0.08	13.9	1.25	0.16	1.33	3.78	1.72	6.49	87.5
3	0.30	0.70	95	700	3920	76.8	0.08	14.5	0.79	0.20	1.94	4.31	1.30	8.25	85.9
4	0.35	0.65	86.7	880	650	73.1	0.33	14.3	1.60	0.23	1.42	5.44	3.35	3.04	
4	0.33	0.67	92.1	840	950	72.6	0.26	15.0	1.30	0.22	1.66	5.65	3.12	3.86	
4	0.38	0.62	90.2	840	1100	71.8	0.26	14.7	2.02	0.29	1.45	6.33	3.04	4.23	
4	0.35	0.65	89.6	870	1200	72.0	0.44	14.7	1.87	0.34	1.34	5.74	3.29	4.34	
4	0.42	0.58	99.2	870	1500	70.3	0.36	15.7	2.27	0.29	1.66	6.16	2.94	4.90	
4	0.38	0.62	90.7	891	1000	71.7	0.37	14.3	2.31	0.30	1.50	6.44	3.04	3.90	

1 Waters et al., 2012; 2 Coombs & Gardner, 2001; 3 Tomiya et al., 2010; 4 Larsen (2005)

Supplementary Table B3: Cl contents in apatites, groundmass, and from solubility models

	TEQ21		COMP3		JAL10		CAM49		MLV36		MLV37	
n	5	±2σ	9	±2σ	9	±2σ	20	±2σ	5	±2σ	9	±2σ
P_2O_5	38.6	2.43	40.9	1.45	41.0	0.92	40.6	1.12	41.3	0.36	41.1	0.92
SIO_2	2.55	2.55	0.20	1.77	0.15	0.84	0.56	2.45	0.27	0.12	0.32	0.32
SO_3	0.01	0.07	0.17	0.15	0.13	0.12	0.01	0.06	0.02	0.03	0.01	0.03
Al_2O_3	0.79	1.07	0.71	1.92	0.31	0.70	0.23	1.16	0.78	1.66	0.19	0.49
Na_2O	0.62	0.06	0.41	0.13	0.25	0.06	0.23	0.25	0.12	0.11	0.18	0.10
MgO	0.06	0.06	0.22	0.19	0.19	0.02	0.13	0.06	0.13	0.00	0.13	0.03
CaO	51.1	2.84	53.4	1.59	54.0	0.87	53.4	1.72	53.7	1.17	53.4	0.88
MnO	0.11	0.05	0.18	0.03	0.15	0.02	0.07	0.03	0.09	0.02	0.07	0.03
FeO	0.44	0.28	0.30	0.08	0.38	0.24	0.47	0.38	0.59	0.26	0.50	0.42
BaO	-0.02	0.04	0.00	0.06	0.00	0.08	0.00	0.04	0.05	0.03	0.00	0.03
K_2O	0.45	0.37	0.12	0.22	0.08	0.14	0.15	0.35	0.11	0.05	0.09	0.10
F	0.30	0.13	0.87	0.08	0.65	0.08	0.62	0.09	2.23	0.21	2.18	0.30
Cl	3.05	0.59	1.69	0.16	1.90	0.29	2.22	0.24	0.60	0.07	0.62	0.06
OH	1.07	1.58	0.55	1.71	0.76	0.86	0.96	1.30	0.88	0.77	0.89	0.95
Total	99.1	1.57	99.6	1.17	99.9	0.68	99.7	2.67	100.9	0.60	99.6	1.53
X_F	0.02	0.01	0.05	0.00	0.03	0.00	0.03	0.00	0.12	0.01	0.11	0.02
X_{Cl}	0.09	0.02	0.05	0.00	0.05	0.01	0.06	0.01	0.02	0.00	0.02	0.00
X_{OH}	0.06	0.09	0.03	0.10	0.04	0.05	0.06	0.08	0.05	0.05	0.05	0.06
Cl solubility (ppm)[1]	3646		4861		5520		5246		5336		6034	
Cl in melt $^2D_{Cl\ apatite/melt}$	7614		4218		4745		5560		1503		1559	
Measured ppm Cl in groundmass	915	164	582	87	582	87	604	129	657	124	606	88

[1]Webster and De' Vivo (2002); [2]Webster et al. (2009), where D_{Cl} between apatite and melt is 4.5

Figure B1: Photograph of glassy, unaltered obsidians.

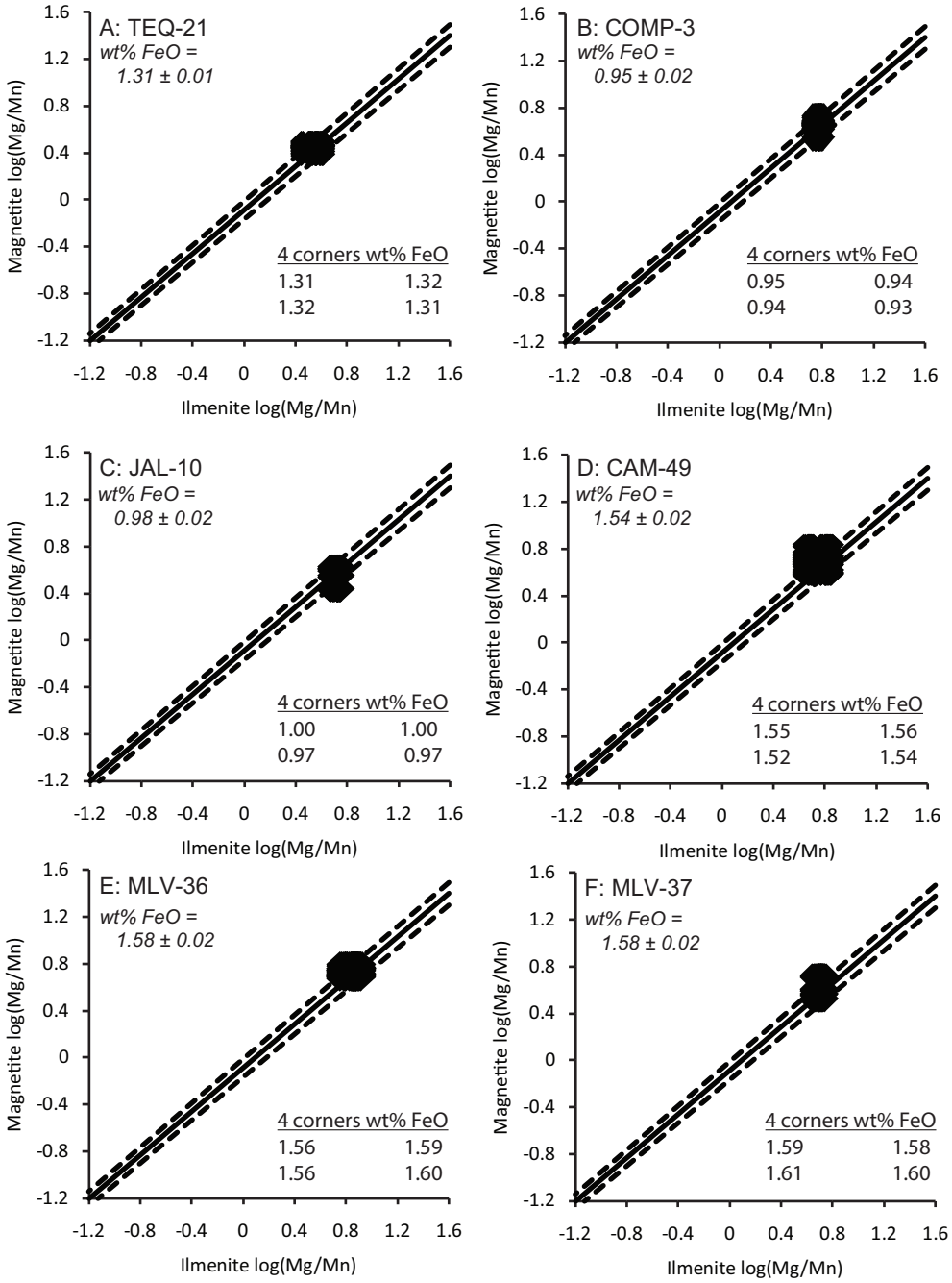

Figure B2: All possible pairings of ilmenite and titanomagnetite for each sample shown with the Bacon and Hirschmann (1988) test of equilibrium. No pairs deviate strongly from the proposed equilibrium.

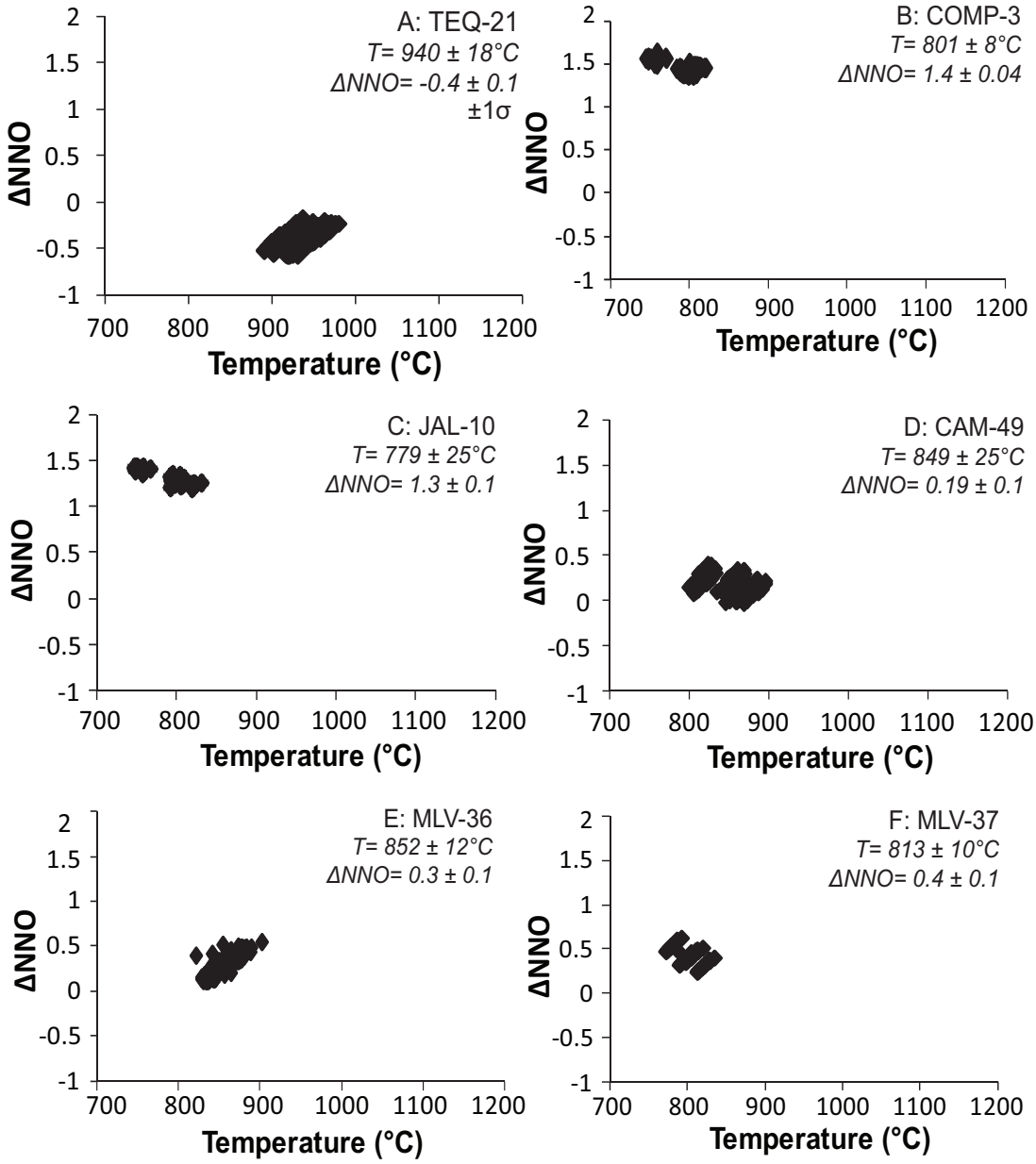

Figure B3: The range of temperature and ΔNNO values that result from all possible pairings of ilmenite and titanomagntite and the geo-thermometer of Ghiorso and Evans (2008). All possible pairings of oxides span a small range in temperature and ΔNNO values.

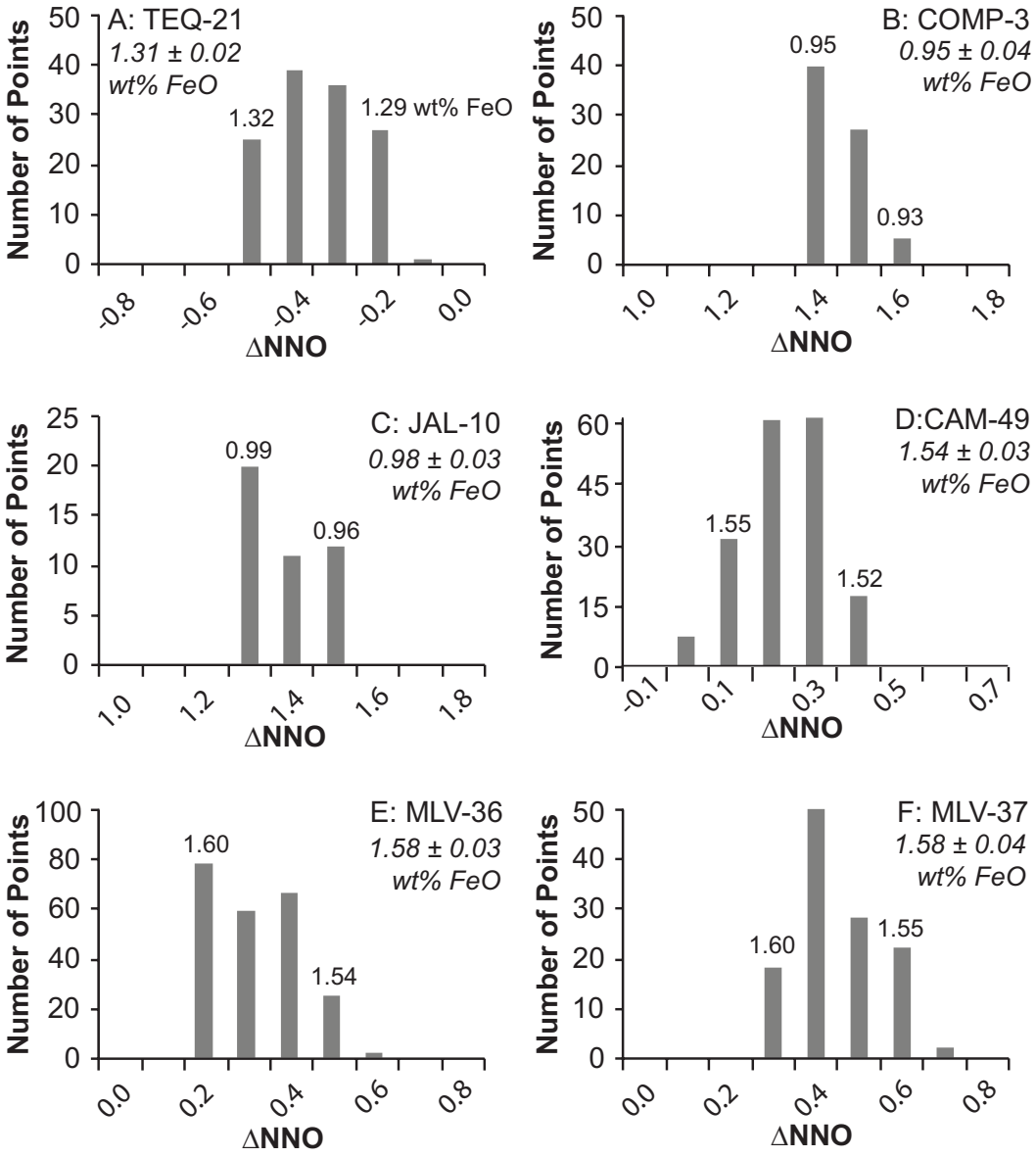

Figure B4: The range of wt% FeO values that result from the range of ΔNNO values obtained from the iron oxides. The concentration of FeO does not deviate strongly when accounting for the range of ΔNNO values in each sample.