

Report to:
Chinese Association of Zoological Gardens (CAZG)
Giant Panda Office, Department of Wildlife Conservation, State Forestry Administration
Giant Panda Conservation Foundation (GPCF)

2017 Breeding and Management Recommendations
and
Summary of the Status of the Giant Panda
Ex Situ Population

8 - 9 November 2016
Chengdu, China

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Sponsored by:
Chengdu Research Base of Giant Panda Breeding
Chinese Association of Zoological Gardens

Executive Summary

This is a report on the meeting held 8-9 November 2016 in Chengdu, China to update the analysis of the *ex situ* population of giant pandas and develop breeding recommendations for the 2017 breeding season. This is the 15th annual set of genetic management recommendations developed for giant pandas.

The current *ex situ* population of giant pandas consists of 470 animals (212 males, 258 females) located in 85 institutions worldwide. In 2016 there were 64 births and 16 deaths as of 4 November. Transfers included 100 separate transfers of 88 animals between Chinese institutions and 2 transfers to South Korea. The genetic status of the population is currently healthy (gene diversity = 97.45%), with 53 founders represented and another 7 that could be genetically represented if they were to produce living offspring. There are 6 inbred animals with estimated inbreeding coefficients > 6% and another 25 animals with lower levels of inbreeding.

There are 45 giant pandas in the studbook that are living or have living descendants with sires that are uncertain (due to natural mating and/or artificial insemination with multiple males). Most of these (n=35) are young pandas that were born in 2013 or later; however, the remaining 10 pandas with uncertain paternity are responsible for 55% of the uncertainty in the global pedigree. The result of these uncertain sires is that ~9% of the gene pool of the *ex situ* population is derived from uncertain ancestry. **Five individuals account for much of this uncertainty: the sire of SB# 455 is a very important animal to resolve (accounts for about 25% of all uncertainty in the global pedigree), although this panda recently died; SB#s 439, 495, 547, and 557 are living pandas that are also high priority for paternity verification.**

Molecular genetic analyses must continue to be used to confirm the parentage of these pandas as well as each year's new cubs before the next set of breeding recommendations is made. This report contains the list of giant pandas that need to have their paternity verified (see Appendix B). Plans should continue to resolve as many of these uncertainties within the next year as possible.

The current population goal for the giant panda *ex situ* population is **to maintain a target population of 400-600 giant pandas that retains at least 90% gene diversity of the wild population for 200 years.** A population of this size and genetic composition should be able to provide animals for reintroduction efforts if needed in the future.

Population growth in 2016 was 11%, which is an increase from 2015. Growth will need to be slowed significantly in the near future as the population reaches its target size and capacity. Increased focus should be placed on breeding genetically valuable animals as part of the genetic management strategy to preserve genetic diversity and minimize inbreeding, with some additional breeding targeting production of pandas for eventual release.

The development of a Genome Resource Bank strategy for the systematic collection, storage and use of sperm and other biosamples is recommended to maximize long-term population viability.

Development of an integrated conservation plan that includes conservation goals and actions for both the wild and captive giant panda populations is recommended to promote effective long-term conservation of this species.

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Ex Situ Giant Panda Management Program

Introduction

This is a report on the technical meeting held 8-9 November 2016 in Chengdu, China to update the analysis and breeding plan of the *ex situ* population of giant pandas. Workshop participants updated the studbook, identified priority pandas for breeding and recommended mates, and discussed breeding strategies to meet the demographic and genetic needs of the program. The annual conference was hosted and organized by the Chinese Association of Zoological Gardens (CAZG), China West Normal University, Chengdu Research Base for Giant Panda Breeding, and Chengdu Giant Panda Breeding Research Foundation, and the technical workshop was facilitated by the IUCN SSC Conservation Breeding Specialist Group (CBSG).

The goals of the technical workshop were to:

- update the demographic and genetic analyses of the *ex situ* population; and
- formulate recommendations for breeding and management to promote program goals.

Population Goals

In 2009 the Technical Committee approved the program goal to maintain at least 90% gene diversity for 200 years with a target population size of about 500 (400-600) giant pandas. This timeline was adopted due to the uncertainty surrounding the possible significant threats of climate change and habitat destruction. The *ex situ* population has grown rapidly since that time, and current population of 470 giant pandas is approaching this target population size (Figure 1). The rate of growth needs to be reduced significantly, and more effort should be placed in genetic management and promoting natural reproductive and parental behaviors conducive to effective release. Genetic management based on mean kinship is the most effective method of maintaining a genetically viable *ex situ* population capable of supporting a wild panda population (see *Program Review and Recommendations* for further discussion of Goals).

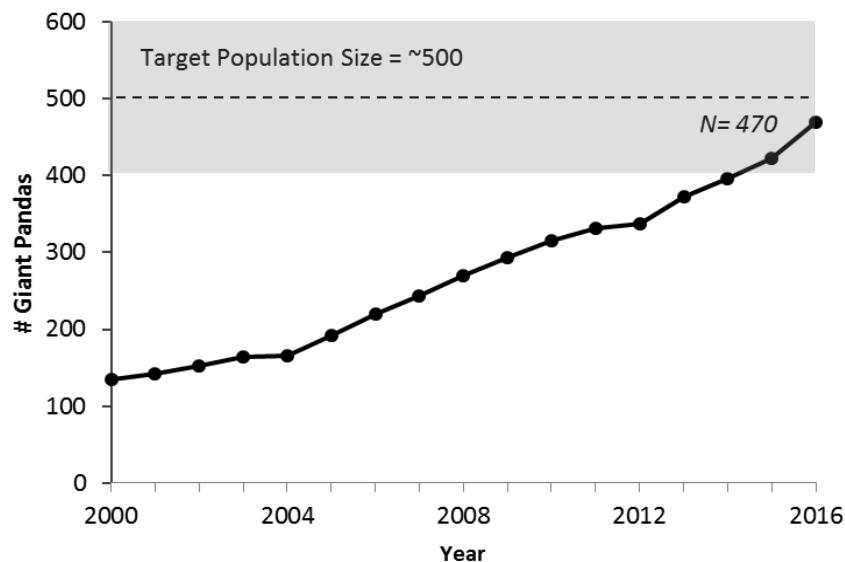


Figure 1. Growth of the *ex situ* giant panda population from 2000 to 2016.

Status of Captive Population

Data Analysis and Pedigree Assumptions

Data were taken from the 6 November 2016 version of the *International Giant Panda Studbook* compiled by Xie Zhong, CAZG, using the ISIS Single Population Analysis and Record Keeping System (SPARKS) v1.67 software program. PMx v1.4 software (Ballou, Lacy and Pollak) was used to conduct both demographic and genetic analyses. Data were current through the day of the workshop, as the studbook was updated during the workshop by institutional representatives.

Paternity is uncertain for many animals in the studbook. For many of these cases, females were first mated naturally and were then artificially inseminated (AI), or multiple males were used for natural mating or AI. In others, lack of record-keeping in the early studbook years resulted in uncertainty about which males sired which cubs. Although molecular analyses have successfully identified the paternity of many pandas, there are still 45 pandas with uncertain paternity that affect the living gene pool. Most of these ($n = 35$) are young pandas that were born in 2013 or later; however, the remaining 10 pandas with uncertain paternity are responsible for 55% of the uncertainty in the global pedigree (listed in Appendix B). The result of these uncertain sires is that ~9% of the gene pool of the *ex situ* population is derived from uncertain ancestry. An additional 10 pandas have undocumented determination of previously uncertain sires and require follow up (either molecular analysis or more complete documentation).

SPARKS v1.66 provides the option to list the studbook numbers of the potential sires along with the probability of each of them being the real sire. These uncertain sires can then be exported to PMx, where the pedigree analysis will take into consideration the uncertainties and calculate the kinships based on the estimated paternity across the uncertain sires (see Lacy *et al.* 2011 for the methods).

While the ability to include such uncertainty in the analyses are useful, and even necessary to proceed with developing breeding recommendations, **the genetic analyses for this *ex situ* population will not be completely accurate until the paternities are known for certain** through molecular genetic analyses. Accurate paternity verification will affect both population genetic measures (e.g., gene diversity, number of founders) as well as individual genetic measures (mean kinship, MSI scores) and therefore breeding recommendations and genetic management.

Molecular analyses are needed to resolve the paternity of these 45-55 pandas as soon as possible since genetic management recommendations will not be accurate with unknowns in the pedigree. High priority pandas for paternity verification are 455, 439, 495, 547 and 557 (all older animals).

Demographic Status

The current *ex situ* population of giant pandas consists of 470 animals (212 males, 258 females) located in 85 institutions worldwide. In 2016 there were 64 births and 16 deaths as of the time of the workshop.

Efforts to grow the population in recent years resulted in an annual population increase of 9-15% during 2005 to 2010. Growth rates were intentionally lower from 2011 to 2013 due to the increased focus on producing genetically valuable animals rather than large numbers (“quality over quantity”). More recently growth rate has been increased to accommodate the needs of a developing release and reintroduction program. However, the actual release rate has been low in comparison to reproduction, leading to 7% growth in 2014 and 2015 and 11% in 2016. The age structure of the living population is healthy and indicative of a population that would be expected to continue to grow (Figure 2). An increasing proportion of adult pandas have reproduced, especially females (60%), which contributes positively to growth as well as the effective population size (N_e).

Females are generally reproductive from 4-20 years of age, while male fertility can continue into the 20s. Generation time for the population is 10.8 years. Litters consist of 1-2 cubs with almost equal frequency (six litters of triplets have been observed), producing a mean litter size of 1.5 cubs. About 50% of males survive to age 16, 25% survive to age 24, and only about 10% survive to age 29; female survivorship is slightly better, with about 50% reaching age 20, 25% surviving to age 28, and 10% surviving to age 35. These values include wild-caught pandas whose ages are estimated.

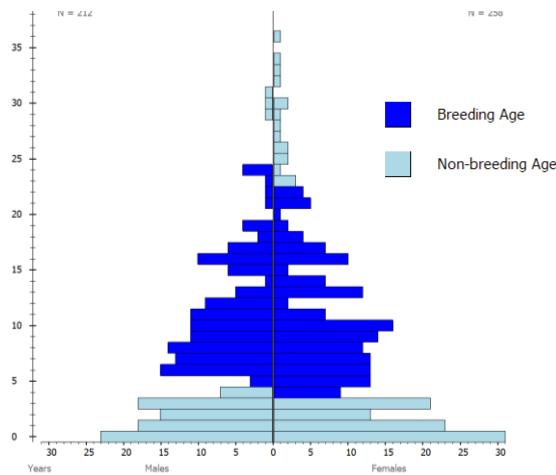


Figure 2. Age and sex structure of the 2016 population. Dark blue are breeding age individuals; light blue are immature (at bottom) or post-reproductive (at top) pandas.

Genetic Status

The *ex situ* giant panda population has descended from 53 wild-acquired founders (founders are defined as animals obtained from the wild that have successfully produced offspring or descendants in the current population). There are an additional 7 wild-acquired pandas that have yet to produce living offspring but have not been excluded due to age or poor health (these are potential founders). The population theoretically contains 97.45% of the genetic diversity of the wild population. This level of gene diversity has a founder genome equivalent (*FGE*) of 19.6, which means that the population has the same level of genetic diversity as a population newly established with 19.6 unrelated founders. The genetic contribution of founders is highly skewed, with 25% of the gene pool derived from only 4 founders (Figure 3); ideally 13 founders would be represented in 25% if all 53 founders contributed equally to the gene pool. The level of genetic diversity in the population could be increased to 99% if the population was ideally managed and the genes from the additional 7 founders fully incorporated into the population. The population would then have a founder genome equivalent of ~50 (potential *FGE*) (Table 1). Managing the population to minimize average kinship has been shown to be the optimal method for retaining genetic diversity. Breeding using MK values will automatically identify descendants from the under-represented founders as priority breeders and inhibit the breeding of over-represented founders.

# Founders	53
# Potential (additional)	7
Gene Diversity Retained	0.9745
Potential Gene Diversity Retained	0.9900
Founder Genome Equivalents (<i>FGE</i>)	19.63
Potential <i>FGE</i>	49.81
Mean Inbreeding	0.0027

Table 1. Genetic summary of the 2016 giant panda *ex situ* population.

Current inbreeding levels in the population are relatively low, with 6 inbred animals with estimated inbreeding coefficients over 6% (2 from half-sib mating and 4 from first cousin mating) and another 25 animals with lower levels of inbreeding. While the current population is genetically healthy, pandas within institutions are closely related and it is becoming increasingly more difficult to identify non-related pairings within institutions. Of the 31 living inbred animals, 22 were born in the last three years (2014-2016). Inbreeding will increase as captive breeding increases and the influx of new founders from the wild remains proportionally low. This will be especially true for pairings within institutions or partner institutions, making the transfer of individuals among institutions for breeding more important in the future as a way to minimize inbreeding and the loss of gene diversity. In the near future, giant pandas, or their sperm, will need to be transferred among institutions to increase the number of genetically favorable breeding options in the primary breeding centers. This process is beginning, with many transfers of giant pandas between Chinese institutions having occurred since 2014.

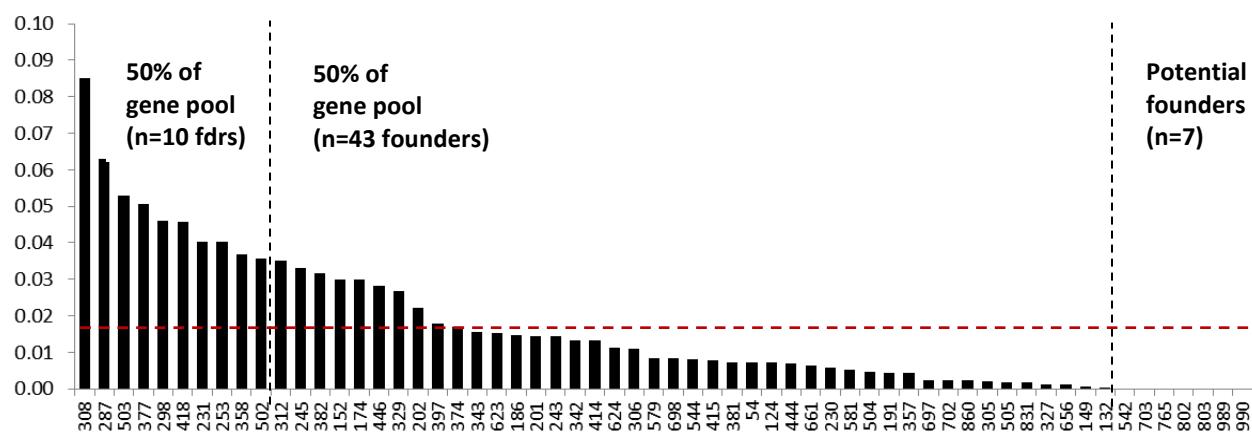


Figure 3. Genetic contribution of the 53 founders to the *ex situ* population gene pool. Each bar shows the contribution of a single founder. About 15% of the gene pool derives from only two founders (the left-most founders: 308 and 287). About 50% derives from only 10 founders. Red dashed line indicates ideal (equal) representation for each founder and potential founder (1.67%).

Program Review and 2017 Recommendations

January 2017 marks 15 years since the establishment of a formal cooperative management program for the *ex situ* giant panda population that bases its breeding strategy and annual breeding plan on global studbook data analysis. Much progress has been made during this time to improve the demographic and genetic status of the global *ex situ* giant panda population.

Since January 2002 the population has increased from 142 giant pandas in 21 institutions to 470 pandas in 85 institutions, with an increase in average annual growth from 1.8% prior to 2002 to over 8% since then. Genetic management breeding strategies have increased gene diversity from 96.85% to 97.45%, and have added the genetic contributions of an additional 12 wild-caught founders to the population. These achievements allowed the revision of the program goals in 2010 to expand the conservation value and roles of the *ex situ* population.

Program Goals

The conservation goal of the giant panda *ex situ* population is “the maintenance of a sustainable *ex situ* giant panda population that is genetically and demographically viable and can provide animals for release to support the wild population”.

The identified conservation roles of the *ex situ* population and related contributions of the *ex situ* community to giant panda conservation are to provide:

- Source of giant pandas for reintroduction needs
- Insurance population against population decline or loss in the wild
- Research opportunities (e.g., disease prevention)
- Resource for developing techniques that can support wild panda conservation in China (e.g., censusing, health status)
- Economic and political benefits to support wild population conservation
- Resource for public education and public awareness

To serve these roles and maintain a healthy, viable *ex situ* population, a quantitative goal has been set to maintain a target population that retains at least 90% gene diversity (GD) of the wild population for 200 years. The intensity of genetic management determines the amount of gene diversity that is retained and the required population size. A population of 600 giant pandas will maintain 90% GD for 200 years under current conditions ($Ne/N = 0.19$). Genetic management will need to be more strictly applied ($Ne/N = 0.23$) to achieve the same result with a smaller population size of 500. Relaxation of genetic management will lead to more rapid loss of gene diversity and jeopardize the ability of the population to meet its goals and conservation roles.

Population Growth

Managed *ex situ* populations go through several developmental stages (Figure 4). The giant panda *ex situ* population is now leaving its ‘growth phase’ and approaching a ‘maintenance phase’ at the desired target population size. At the current growth rate, the *ex situ* population will reach 500 giant pandas in 2017. Even if growth is slowed to ~3%, the population may reach 500 in 2018. Once the population reaches its target size, significantly fewer litters will be needed to maintain that size.

For example, only 11-15 litters will be needed each

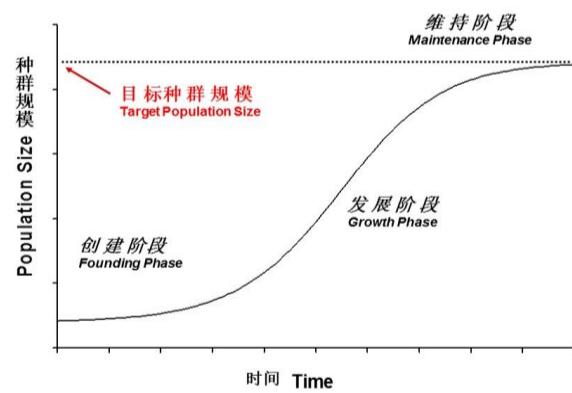


Figure 4. Phases in managed program development.

year to maintain 500 pandas. If the target size is expanded to 600 giant pandas, the population will reach 600 pandas in 2-3 years under current levels of growth. Again, reproduction will need to be greatly reduced once this target size is reached (~14-19 litters per year to maintain 600 pandas). Table 2 gives estimates for the growth rate and reproduction needed to reach these targets over different timelines. Figures 5 and 6 show the required reduction in reproduction that will be needed to maintain the giant panda population at 500 or 600 animals. These calculations are for the long-term *ex situ* population only. Additional offspring may be desired for release. The number of pandas required for release should be determined separately and will require additional breeding pairs to meet the release program goals.

Table 2. Estimated growth rate and litters needed to reach target population size.

Years to reach target size	Target = 500		Target = 600	
	Annual growth rate (%)	# litters needed in 2017	Annual growth rate (%)	# litters needed in 2017
1	6.4	33	--	--
2	3.1	22	13.0	55
3	2.1	18	8.5	40
4	--	--	6.3	32
5	--	--	5.0	28
6	--	--	4.2	25
7	--	--	3.6	23

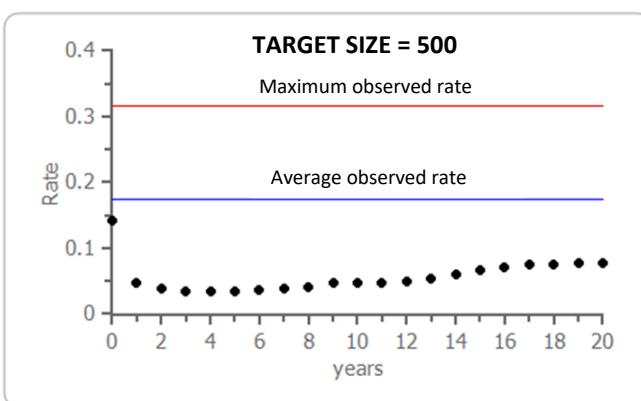


Figure 5. Reproductive rate (female Mx) needed each year (dots) to grow the giant panda population to 500 in 2017 (6.4% annual growth) and then maintain that size. Note that future reproduction will need to be significantly lower than the average rate observed from 1990 to 2016 (blue line).

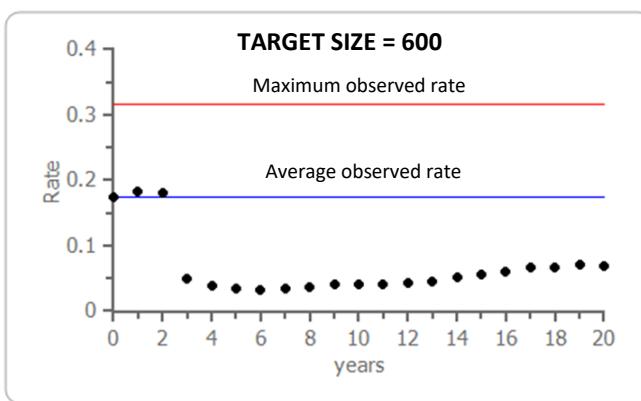


Figure 6. Reproductive rate (female Mx) needed each year (dots) to grow the giant panda population to 600 in three years (8.5% annual growth), and then maintain that size. Note that future reproduction will need to be significantly lower than the average rate observed from 1990 to 2016 (blue line).

Breeding Strategy

Giant pandas are bred and offspring produced for two different purposes: 1) to maintain a genetically diverse, long-term breeding population; and 2) to produce animals for release. It is desirable to consider these goals separately when breeding pandas, as the number of cubs needed and characteristics of the selected breeders and breeding pairs are different between them.

A two-step process is suggested for developing breeding recommendations:

Step 1. Breeding plan for the insurance (captive breeding) population in China:

- a. Calculate the desired growth rate and approximate number of litters needed. Consider the average success rate (# litters produced / # attempted pregnancies) to determine the number of breeding females needed for the next year.
- b. Using the calculations above, limit the number of breedings to match the desired growth rate.
- c. Identify priority breeders from the mean kinship list (males and females), including potential founders (see Appendix C).
- d. Use the MSI table (Appendix D) to select genetically valuable pairs, giving priority to pairs with $MSI < 4$, and avoiding any pairings with $MSI > 4$. Focus breeding attempts on genetic valuable pandas above the (population MK) line on the MK list and particularly on the priority animals at the top of the list highlighted in blue.
- e. Avoid using the same male (or his sperm) for too many breedings unless he is of high genetic value.

Step 2. Breeding plan for release:

- a. Calculate the desired number of breeding females to produce offspring for release.
- b. Identify candidate females based on appropriate criteria (e.g., behavior, health, location).
- c. Identify acceptable male mates for the candidate females. Mates should be unrelated to the female and not heavily need for genetically valuable breedings for the *ex situ* population in Step 1.
- d. In the initial phase of the release program, the genetic value of cubs for release is not a high priority.
- e. If release training success rate is low and many of these cubs may be retained in captivity, then attention to genetic value is more important. It also may be necessary to produce fewer litters in Step 1 if it is likely that many cubs “for release” may need to be retained in captivity.

When choosing breeders and their mates, consider the following:

- Since the population is near capacity it is recommended to **reduce growth** and **not** attempt to breed all females. Breeding efforts should concentrate on genetically valuable females to produce cubs for the *ex situ* population. Additional females that are good candidates for producing offspring for release also can be bred to support reintroduction efforts.
- Pairs with $MSI = 1$ to 3.5 should be given breeding priority, especially for institutions with pairing choices, as this will improve genetic diversity and reduce inbreeding.
- Efforts should be made to breed males and females with low mean kinship (MK) values. The average MK in the population is 0.0255 . Animals with MK less than 0.0255 should be preferred breeders to maintain genetic diversity. The MK values are shown for each male and female on the MSI tables and on the mean kinship list (Appendix C).
- Priority efforts should be made to breed any wild-acquired pandas that have not produced surviving offspring, even if the MSI score = 3.5 .

- Potential founders or other genetically valuable pandas should be bred with other high ranking pandas when possible ($MSI \leq 3$). However, it is acceptable to breed potential founders with lower ranking pandas if this is the best or only option for successful reproduction for this highly valuable animal. To identify these special cases, MSI scores greater than 3 for pairs involving potential founders were changed to 3.5.
- AI should be restricted for use only for genetically valuable pairings that must be bred.

Genome Resource Bank Strategy

The successful use of artificial insemination (AI) has played an important role in the development of a healthy, growing giant panda *ex situ* population. As more emphasis is placed on fostering natural mating, it will become increasing important to develop a strategic plan for the collection, long-term storage, and use of sperm (and perhaps other biosamples). The selection of males for sperm collection and storage, and the use of those samples, will depend upon the purpose of the genome resource bank (GRB) and its role in supporting the living population. Tools are available to assist this process. Development of a GRB strategy is recommended for the giant panda *ex situ* program.

Comprehensive Conservation Plan

To promote the most effective conservation of the giant panda, a One Plan approach is recommended to develop one integrated conservation plan for the species. Such a plan would integrate management of the wild population, captive population, and biosample collection (GRB), and the interactions of these populations with each other, into a comprehensive meta-population strategy. Clear conservation goals and objectives for each population and their management will promote effective long-term conservation of the giant panda. Tools are available to assist this process.

2017 Breeding Recommendations

Since 2010, the focus on breeding has shifted from being concentrated on rapid demographic growth (high quantity breeding) to greater emphasis on genetic management (high quality breeding). This is increasing important as the population approaches its target size. Fewer cubs will be needed, and more emphasis can be placed on breeding individuals with low MK values (see Appendix C) and pairs with low MSI scores (see Appendix D) to promote retention of gene diversity in the population. The recommendation is to breed pairs with MSI scores of 4 or less. Greater emphasis should be placed on producing cubs from the 7 potential founders (wild-caught giant pandas) that have not yet reproduced as well as more genetically valuable (rare) lines.

At the 2016 Chengdu technical meeting, potential breeding recommendations were made for 64 females in Chinese institutions (involving 50 different males, with each male potentially used for 1-32 females). These recommendations are shown in Tables 3a-c. The meeting participants acknowledged that more potential breeding females were identified than what is needed or desired for next year and that not all of these breeding recommendations would be attempted. Some of these potential breedings will be eliminated upon full discussion at each institution. The full MSI tables for all potential pairings are presented in Appendix D and can be used by other breeding institutions to determine best mates for their females, or evaluate the MSI scores of the pairs in their collection.

Note that the following table is for breeding recommendations in China. Additional pairs outside of China may be bred in 2017 but are not listed in this table and are not highlighted on the mean kinship list in Appendix C.

Table 3a. Potential 2017 breeding recommendations for Chinese institutions identified at the 2016 technical meeting. Superscript for males indicates MSI score for male-female pair. Green highlighting indicates the most genetically valuable females being considered for breeding ($MK < 0.0200$) and should be considered high priority for breeding.

Female	Name	Location	Age	MK	Recommended males to breed with
766	Da Baitu	BEIJING	6	0.0336	540 ⁴ , 573 ⁴ , 574 ⁴ , 717 ⁴
796	Ya Yun	CHANGSHA	6	0.0246	520 ² , 532 ²
480	Shu Qing	CHENPANDA	17	0.0275	386 ³ , 461 ³ ; 614 ⁴
537	Qing He	CHENPANDA	15	0.0297	573 ⁴ , 574 ⁴ , 738 ⁴
598	Jing Jing	CHENPANDA	11	0.0252	532 ²
637	Ya Zi	CHENPANDA	10	0.0246	532 ²
652	Meng Meng	CHENPANDA	10	0.0256	520 ² , 532 ² , 731 ² ; 724 ³ ; 649 ⁴ , 711 ⁴
663	Aibing	CHENPANDA	9	0.0269	461 ³
665	Xiang Bing	CHENPANDA	9	0.0277	386 ³ , 461 ³
678	Ke Lin	CHENPANDA	9	0.0226	461 ² , 532 ²
680	Xing Rong	CHENPANDA	9	0.0209	520 ² , 606 ² ; 461 ⁴
725	Ni Ni	CHENPANDA	8	0.0168	606 ² ; 520 ³ , 731 ³
763	Zhi Zhi	CHENPANDA	7	0.0287	386 ³
765	Bei Chuan	CHENPANDA	10	0	542 ¹ , 831 ¹ ; will do fertility check
801	A Bao (Po)	CHENPANDA	6	0.0231	532 ² ; 711 ³ , 724 ³
990	Zhao Mei	CHENPANDA	6	0	703 ¹ (no estrus yet)
493	Yalaoer	CHONGQING	17	0.0321	424 ⁴
548	Lan Xiang	CHONGQING	14	0.0295	424 ⁴
648	You You	CHONGQING	10	0.0328	502 ⁴ , 586 ⁴ , 592 ⁴ , 609 ⁴ , 674 ⁴ , 689 ⁴ , 743 ⁴ , 747 ⁴ , 748 ⁴
829	Mang Zai	CHONGQING	5	0.0328	502 ⁴ , 586 ⁴ , 592 ⁴ , 609 ⁴ , 674 ⁴ , 689 ⁴ , 743 ⁴ , 747 ⁴ , 748 ⁴
632	Mei Xin	DJYGP BC	10	0.0282	488 ³ , 719 ³ ; 743 ⁴ , 748 ⁴
810	Yun Duo	DJYGP BC	5	0.0239	488 ² , 592 ² , 747 ² ; 719 ³ ; 579 ⁴ , 586 ⁴ , 748 ⁴
704	Ping Ping	EMEI EP	8	0.0266	488 ³ , 502 ³ , 719 ³ ; 592 ⁴ , 623 ⁴ , 674 ⁴
495	Ye Ye	GENGDA BC	17	0.0245	592 ² , 747 ² ; 488 ³ , 502 ³ , 719 ³ ; 743 ⁴
672	Jin Xin	GENGDA BC	9	0.0248	592 ² ; 502 ³ , 719 ³ ; 609 ⁴ , 623 ⁴
694	Zhen Zhen	GENGDA BC	9	0.0206	488 ² , 502 ² , 719 ² ; 503 ³ , 592 ³ , 674 ³ , 743 ³ , 747 ³ , 748 ³ , 752 ³ , 775 ³
784	Xiao Baitu	GENGDA BC	6	0.0176	609 ¹ ; 563 ² , 719 ² ; 586 ³ , 592 ³
837	Yi Ran	GENGDA BC	4	0.0043	542 ¹ , 579 ¹ , 623 ¹ ; 752 ² ; 674 ³ , 748 ³
838	Yi Chang	GENGDA BC	4	0.0043	542 ¹ , 579 ¹ , 623 ¹ ; 752 ² ; 674 ³ , 748 ³
494	Yalaoda	LOUQUANTA	17	0.0309	703 ^{3.5} , 802 ^{3.5} , 803 ^{3.5} ; 574 ⁴
509	Zhu Zhu	LOUQUANTA	16	0.0196	715 ³ ; 703 ^{3.5} , 802 ^{3.5} ; 574 ³
562	Lou Sheng	LOUQUANTA	13	0.0156	703 ^{3.5} , 802 ^{3.5} , 803 ^{3.5} ; 574 ⁴
757	Ya Ya	LOUQUANTA	7	0.0110	703 ^{3.5} , 802 ^{3.5} , 803 ^{3.5} ; 574 ⁴
557	Ju Xiao	PANYU	14	0.0258	488 ³ , 502 ³ , 613 ³ , 719 ³ ; 609 ⁴ , 744 ⁴
750	Bo Si	PANYU	7	0.0251	592 ² ; 613 ³ , 719 ³ ; 609 ⁴ , 744 ⁴
596	Su Lin	QINGSHEN	11	0.0203	488 ² , 502 ² , 719 ² ; 503 ³ , 592 ³ , 674 ³ , 743 ³ , 747 ³ , 748 ³ , 752 ³ , 775 ³

Female	Name	Location	Age	MK	Recommended males to breed with
650	Qian Qian	QINGSHEN	10	0.0184	502 ² , 563 ² , 582 ² , 586 ² , 674 ² , 719 ² , 830 ² ; 503 ³ , 609 ³ , 689 ³ , 743 ³ , 746 ³ , 775 ³
487	Hua Mei	SHANGHAI	17	0.0230	488 ² , 592 ² , 747 ² ; 502 ³ , 503 ³ , 719 ³ ; 743 ⁴
739	A Ling	TIGER G	8	0.0218	488 ² , 719 ² , 778 ² ; 503 ³ , 609 ³ , 743 ³ , 746 ³ , 747 ³ , 748 ³
771	Cai Yun	JINAN	6	0.0224	488 ² , 592 ² , 719 ² , 747 ² ; 503 ³ , 748 ³
505	Zhang Ka	WOLONG	16	0.0009	542 ¹ , 579 ¹ , 661 ¹ ; 623 ² ; 752 ⁴ , 775 ⁴
568	Na Na	WOLONG	13	0.0237	488 ² , 592 ² , 747 ² ; 502 ³ , 719 ³ ; 623 ⁴ , 674 ⁴ , 748 ⁴
581	Cao Cao	WOLONG	14	0.0027	542 ¹ , 579 ¹ , 623 ¹ , 661 ¹ ; 752 ² , 775 ² ; 674 ⁴ , 689 ⁴
664	Qing Qing	WOLONG	9	0.0256	502 ³ , 689 ³ , 719 ³ ; 674 ⁴ , 743 ⁴
735	Min Min	WOLONG	8	0.0244	592 ² , 689 ² , 747 ² ; 502 ³ , 719 ³ ; 586 ⁴ , 743 ⁴
476	Xi Xi	YAAN BC	18	0.0288	488 ³ , 719 ³ ; 674 ⁴ , 748 ⁴
512	Le Sheng	YAAN BC	16	0.0162	674 ¹ , 748 ¹ ; 502 ² , 752 ² , 775 ² ; 592 ³ , 623 ³ , 719 ³ , 747 ³ ; 542 ^{3.5}
566	Ying Hua	YAAN BC	13	0.0256	488 ³ , 502 ³ , 586 ³ , 607 ³ , 689 ³
572	Jun Zhu	YAAN BC	13	0.0184	488 ² , 502 ² , 674 ² , 719 ² , 748 ² ; 592 ³ , 743 ³ , 747 ³ , 752 ³
631	Mei Xi	YAAN BC	10	0.0245	592 ² , 747 ² ; 488 ³ , 719 ³ ; 586 ⁴ , 743 ⁴
643	Cui Cui	YAAN BC	10	0.0190	502 ² , 674 ² , 719 ² ; 503 ³ , 592 ³ , 609 ³ , 743 ³ , 746 ³ , 747 ³ , 775 ³
651	Duo Duo	YAAN BC	10	0.0282	488 ³ , 563 ³ , 586 ³ , 607 ³ , 830 ³ ; 592 ⁴ , 743 ⁴
654	Xi Dou	YAAN BC	10	0.0190	488 ² , 502 ² , 674 ² , 689 ² , 719 ² , 748 ² ; 503 ³ , 592 ³ , 747 ³ , 752 ³ , 775 ³
691	Wen Yu	YAAN BC	9	0.0123	582 ¹ , 609 ¹ , 674 ¹ , 775 ¹ ; 502 ² , 579 ² , 623 ² , 661 ² ; 586 ³ , 595 ³ , 719 ³
740	Lin Bing	YAAN BC	7	0.0249	592 ² ; 488 ³ , 502 ³ , 719 ³ ; 743 ⁴
755	Shen Bin	YAAN BC	7	0.0179	488 ² , 609 ² , 719 ² , 748 ² ; 503 ³ , 592 ³ , 747 ³ , 752 ³ , 778 ³ ; 743 ⁴
756	Shu Qin	YAAN BC	7	0.0220	488 ² , 586 ² , 592 ² , 595 ² , 607 ² , 689 ² , 719 ² , 751 ² , 778 ² ; 502 ³ , 582 ³ , 609 ³ , 674 ³ , 748 ³
759	Yao Man	YAAN BC	7	0.0238	488 ² , 592 ² , 778 ² ; 502 ³ , 609 ³ , 719 ³ ; 607 ⁴ , 674 ⁴ , 752 ⁴
791	Yang Hua	YAAN BC	6	0.0122	674 ¹ , 748 ¹ , 775 ¹ ; 502 ² , 582 ² , 623 ² , 661 ² ; 488 ³ , 595 ³ , 607 ³ , 719 ³ , 830 ³ ; 542 ^{3.5}
794	Hu Chun	YAAN BC	6	0.0218	488 ² , 592 ² , 719 ² , 778 ² ; 609 ³ , 743 ³ , 746 ³ , 747 ³ , 748 ³
827	Su Shan	YAAN BC	5	0.0051	542 ¹ , 579 ¹ , 661 ¹ , 752 ¹ ; 674 ³ , 748 ³ , 775 ³ ; 592 ⁴
860	Qiao Qiao	YAAN BC	7	0.0012	542 ¹ , 579 ¹ , 661 ¹ ; 623 ² ; 719 ⁴
811	Ai Li	YANCHENG	5	0.0246	520 ² , 532 ² , 736 ²
823	Er Qiao	YANCHENG	5	0.0243	520 ² , 532 ² , 736 ²

Table 3b. Suggested males (sperm) for female 569 in Edinburgh.

Female	Name	Location	Age	MK	Recommended males / sperm
569	Tian Tian	EDINBURGH	13	0.0150	502 ¹ , 582 ¹ , 609 ¹ , 674 ¹ ; 775 ² ; 563 ³ , 586 ³ , 595 ³ , 623 ³ , 719 ³

Table 3c. Potential breeding pairs at CHENPANDA to produce juveniles for the experimental release program (identified at the 2016 technical meeting).

Female	Name	Location	Age	MK	Proven Breeder?	Male Mate	Cub F (inbreeding)
490	Qi Zhen	CHENPANDA	17	0.0339	Yes	717	0
593	Si Yuan	CHENPANDA	12	0.0323	Yes	649	0.0234
635	Xiao Yatou	CHENPANDA	10	0.0308	Yes	540	0
764	Qi Qi	CHENPANDA	7	0.0357	--	540	0
818	Shuang Xin	CHENPANDA	5	0.0312	--	717	0
819	Shuang Xi	CHENPANDA	5	0.0312	--	717	0
824	Cheng Da	CHENPANDA	5	0.0316	--	540	0.0156

APPENDIX A: Assumptions about breeding population for analysis.

Data were taken from the 6 November 2016 version of the *International Giant Panda Studbook* compiled by Xie Zhong, CAZG, using the ISIS Single Population Analysis and Record Keeping System (SPARKS) v1.66 software. SPARKS v1.67 and PMx v1.4 software (Ballou, Lacy and Pollak) were used to conduct demographic and genetic analyses. Demographic characteristics of the population were analyzed for the period from 1 January 1990 to 8 November 2016. Genetic analysis was performed on the global living captive population. It is important to document the methods used in conducting the genetic analyses so that they can be repeated in future years.

This year 27 living pandas were excluded from the genetic analysis due to old age or chronic poor health (listed in the table below). These pandas were excluded because they are not considered to be able to produce offspring in the future and therefore can no longer contribute to the genetic diversity of the captive population. This left 443 pandas in the genetic population analysis.

Table A. List of permanent non-breeders excluded from the genetic analysis.

SB #	Location	Sex	Age	Reason excluded
253	CHONGQING	Female	~34	Too old
264	FUCHOW	Female	~36	Too old
278	CHENGDU	Female	32	Too old
308	DJYGP BC	Male	~31	Too old
312	CHENPANDA	Female	~33	Too old
314	CHENPANDA	Female	30	Too old
320	BEIJING	Female	30	Too old
332	MEXICOCTY	Female	29	Too old
360	MEXICOCTY	Female	26	Too old
362	CHENGDU	Female	26	Too old
374	FUCHOW	Female	~27	Too old
382	DJYGP BC	Female	~25	Too old
387	CHENPANDA	Female	24	Too old
399	BAOX ECTR	Male	23	
401	CHENPANDA	Female	23	Too old
403	BEIJING	Female	23	Too old
404	DJYGP BC	Female	22	Too old
407	LANCHOW	Female	22	Too old
413	ANYANG	Male	22	
416	DJYGP BC	Female	~23	Too old
444	LOUGUANTA	Female	~28	Too old
460	LOUGUANTA	Male	19	Poor health
524	WOLONG	Male	16	Poor health
544	DJYGP BC	Female	~22	Too old
660	LOUGUANTA	Female	~22	Too old
696	DJYGP BC	Female	~21	Too old
701	DJYGP BC	Female	~21	Too old

APPENDIX B: Giant pandas with uncertain paternity.

Assumptions about Paternity

Often in captivity female pandas are both naturally mated and artificially inseminated with two or more males to maximize the probability of conception. For animals with uncertain sires, all of the potential sires and the probability of each male being the true sire have been entered into the studbook. Except for a few historical exceptions, the probability that a potential sire was the true sire was based on the following rules:

1. When a female was mated with multiple males using only one mating method – either only by natural matings (NM) or only by artificial inseminations (AI), equal probabilities were assigned to all potential sires.
2. When a female was mated using both NM and AI: In past cases, molecular genetic analyses showed that the male that was used for NM in most cases was the confirmed sire. Each sire mated by AI was given a 2% chance of being the true sire.
3. In cases of both NM and AI breeding methods, all males within the same method were given the same probability of being the true sire.
4. The sum of all probabilities for all potential sires for an animal = 100%.
5. In some cases, different probabilities had been entered previously into the 2013 International Studbook prior to analysis based on additional information; these probabilities were kept for analysis.
6. For 7 animals that were born before 2002 when the first population analysis was conducted, there is no information available on mating method (NM or AI), but a male was selected as the sire. For these animals, this sire was kept for analysis.

Examples:

- A:** ♂ 201 (AI) and ♂ 202 (AI)
201 = 50%; 202 = 50%
- B:** ♂ 174 (NM) and ♂ 201 (AI)
174 = 98%; 201 = 2%
- C:** ♂ 201 (AI), ♂ 202 (AI) and ♂ 174 (NM)
201 = 2%; 202 = 2%; 174 = 96%
- D:** ♂ 174 (NM), ♂ 424 (NM) and ♂ 201 (AI)
174 = 49%; 424 = 49%; 201 = 2%

The following tables list those pandas with uncertain paternity and that contribute to the living population gene pool (because either they are still living and/or they have produced descendants that are alive. Animals with uncertain paternity but that died with no living descendants have been excluded).

It will be important to resolve these and any future uncertain paternities to accurately evaluate the genetic value of individuals, the relationship between mates, and the status of the population as a whole.

Table B1. Giant pandas with multiple sires listed in the 2016 International Studbook.

There are 45 pandas listed in the 2016 studbook with uncertain paternity and that contribute to the living *ex situ* gene pool (plus 1 animal that was released before paternity was identified). Most of these (n=35) are young pandas that were born in 2013 or later, and hopefully routine paternity testing is scheduled for these pandas. However, there are also 10 pandas born between 1996 and 2010 with uncertain paternity that are responsible for 55% of the uncertainty in the global pedigree. The result of these uncertain sires is that ~9% of the gene pool of the *ex situ* population is derived from uncertain ancestry. **Five individuals account for much of this uncertainty: SB# 455 is a very important animal to resolve (accounts for about 25% of all uncertainty in the global pedigree), although this panda recently died; SB#s 439, 495, 547 and 557 are living pandas that are also high priority for paternity verification.**

of living desc. = # living descendants; % Contrib to UNK = % of total pedigree uncertainty contributed by each panda.

SB#	Year born	# of living desc.	% Contrib to UNK in pedigree	Possible sires	Confirmed by genetic analysis?	Relevant notes and information from 2014 studbook	Sires used in analysis
455	1997 (dead)	44	24.5	308, 329 (NM)	Sire unresolved by 2001 analysis	329 listed in 2013 SB; changed to MULT in 2014 SB	308 (50%); 329 (50%)
495	1999	9	6.0	308, 329 (NM)	Confirmed 2001 but disputed?	2001 analysis indicated sire as 329 but sire of its twin 496 as 308; 329 listed in 2013 SB; changed to MULT in 2014 SB	308 (50%); 329 (50%)
439	1996	8	5.7	308, 329 (NM); 298 (AI)	No	329 listed in 2013 SB; changed to MULT in 2014 SB	308 (49%); 329 (49%); 298 (2%)
557	2002	5	4.5	399 (NM); 327 (AI)	No	399 listed in 2013 SB; changed to MULT in 2014 SB	399 (98%); 327 (2%)
547	2002	4	3.9	308, 394 (NM); 357 (AI)	No	394 listed in 2013 SB; changed to MULT in 2014 SB (basis of probabilities?)	394 (60%); 308 (38%); 357 (2%)
532	2001	3	3.2	377, 394, 399 (?)	No	No comments. 394 listed as sire; changed to MULT in 2014 SB (basis of probabilities unknown)	394 (60%); 399 (38%); 377 (2%)
548	2002	2	2.6	308, 394 (NM); 357 (AI)	No	394 listed in 2013 SB; changed to MULT in 2014 SB (basis of probabilities unknown)	394 (60%); 308 (38%); 357 (2%)
539	2001	2	2.2	308 (NM), 357 (AI)	No	Sire 308 in 2001 SB with 357 as AI; 308 listed in 2013 SB; changed to MULT in 2014 SB	308 (98%); 357 (2%)
437	1996 (dead)	4	1.3	308 (NM); 298 (AI)	Sire unresolved by 2001 analysis	308 listed in 2013 SB; changed to MULT in 2014 SB	308 (98%); 298 (2%)
538	2001	--	1.3	308 (NM), 357 (AI)	No	Sire 308 in 2001 SB with 357 as AI; 308 listed in 2013 SB; changed to MULT in 2014 SB	308 (98%); 357 (2%)

877	2013	--	1.3	502, 503 (NM)	No		502 (50%); 503 (50%)
910	2014	--	1.3	502, 503 (?)	No		502 (50%); 503 (50%)
916	2014	--	<i>Released</i>	579, 623 (?)	No		579 (50%); 623 (50%)
917	2014	--	1.3	624, 831 (AI)	No		624 (50%); 831 (50%)
935	2014	--	1.3	502, 503 (NM)	No		502 (50%); 503 (50%)
936	2014	--	1.3	579, 623 (NM)	No		579 (50%); 623 (50%)
940	2014	--	1.3	540, 584 (?)	No		540 (50%); 584 (50%)
946	2015	--	1.3	503, 623 (NM)	No		503 (50%); 623 (50%)
951	2015	--	1.3	502, 674 (?)	No		502 (50%); 674 (50%)
952	2015	--	1.3	502, 674 (?)	No		502 (50%); 674 (50%)
953	2015	--	1.3	502, 503 (?)	No		502 (50%); 503 (50%)
954	2015	--	1.3	649 (NM); 532 (AI)	No		649 (98%); 532 (2%)
960	2015	--	1.3	502, 623, 719 (?)	No		502 (33%); 623 (33%); 719 (33%)
963	2015	--	1.3	624, 831 (AI)	No		624 (50%); 831 (50%)
964	2015	--	1.3	624, 831 (AI)	No		624 (50%); 831 (50%)
970	2015	--	1.3	502, 743 (?)	No		502 (50%); 743 (50%)
971	2015	--	1.3	502, 743 (?)	No		502 (50%); 743 (50%)
972	2015	--	1.3	623, 661 (?)	No		623 (50%); 661 (50%)
973	2015	--	1.3	623, 661 (?)	No		623 (50%); 661 (50%)
975	2015	--	1.3	579, 719 (?)	No		579 (98%); 719 (2%)
976	2015	--	1.3	579, 719 (?)	No		579 (98%); 719 (2%)
978	2015	--	1.3	458, 609 (?)	No		458 (50%); 609 (50%)
985	2015	--	1.3	540, 584 (NM)	No		540 (50%); 584 (50%)
986	2015	--	1.3	540, 584 (NM)	No		540 (50%); 584 (50%)
987	2015	--	1.3	540, 574 (AI)	No		540 (50%); 574 (50%)
988	2015	--	1.3	540, 574 (AI)	No		540 (50%); 574 (50%)
995	2016	--	1.3	674, 743 (AI)	No		674 (50%); 743 (50%)
1010	2016	--	1.3	743, 719 (?)	No		743 (98%); 719 (2%)
1016	2016	--	1.3	540, 584 (?)	No	Breeding method unknown	540 (50%); 584 (50%)
1017	2016	--	1.3	540, 584 (?)	No	Breeding method unknown	540 (50%); 584 (50%)
1023	2016	--	1.3	674 (NM), 719 (AI)	No		674 (98%); 719 (2%)
1024	2016	--	1.3	674 (NM), 719 (AI)	No		674 (98%); 719 (2%)
1032	2016	--	1.3	540, 584 (?)	No	Breeding method unknown	540 (50%); 584 (50%)
1033	2016	--	1.3	540, 584 (?)	No	Breeding method unknown	540 (50%); 584 (50%)
1041	2016	--	1.3	579, 661 (NM)	No		579 (50%); 661 (50%)
1046	2016	--	1.3	579, 719 (NM)	No		579 (50%); 719 (50%)

Table B2. Giant pandas with undocumented basis for sire identification.

These additional 10 giant pandas originally had uncertainty in their paternity in the studbook. At some point a sire was designated in the studbook; however, it is unclear whether the designated sire was determined based on molecular genetic analysis or if these were assumptions based on breeding methods or other factors. The sires of these 10 pandas represent 7% of the genetic pool of the 2016 living population, an increase from 2015. **These uncertainties regarding sire designation should be resolved and designated appropriately in the International Studbook.**

SB#	Year born	Current (last) location	Possible sires	Confirmed by molecular genetic analysis?	Relevant notes and information from 2014 studbook	Sires used in analysis
237	1981 (dead)	(BEIJING)	150, 186 (?)	No	No note of NM or AI; studbook entered 186 as the sire	186 ¹
278	1984	CHENGDU	174, 201 (?)	2001 analysis excluded 202 as possible sire	1991 note says may be 174, 201 or 202; 174 was entered as the sire. No note on which NM or AI.	174 ¹
297	1985 (dead)	(CHENPANDA)	174 (NM); 201, 202 (AI?)	??	2001 note used 174 as sire due to NM; 174 listed in 2014 studbook	174 ²
314	1986	CHENPANDA	174, 201, 202 (AI?)	No	1991 note used 201 but says may be any of these. Note says this was the first successful use of frozen semen.	201 ¹
320	1986	BEIJING	135, 149 (?)	No	1991 note says sire may be 135 or 109, but likely typo indicating 149; 149 listed as sire.	149 ¹
323	1986	(BEIJING)	150, 186 (?)	No	Note says sire may be 150 or 186. 186 listed as the sire.	186 ¹
507	2000	MEMPHIS	345, 369 (?)	No	1999 studbook had 369	369 ¹
549	2002	TAIHU EP	308, 394 (NM); 357, 415 (AI)	??	394 listed in 2014 studbook	394 ²
743	2009	YAAN BC	377, 621 (AI)	??	Both AI	377 ²
772	2010	NANJING	623 (NM); 502 (NM, AI)	??	Need to verify methods	502 ²

¹ Male was listed as the sire in earlier versions of the studbook; however, there is no note on how the male was confirmed as the sire.

² Male was listed as the sire in the 2014 studbook; need to confirm that this was based on molecular genetic analysis.

APPENDIX C: Ranked mean kinship (MK) list for giant panda captive population.

Individual giant pandas are listed in order of genetic value for breeding (males on the left; females on the right). Individuals at the top of the list have small mean kinship (MK) values because their genetic lines are under-represented and therefore are valuable breeders. Individuals with high MK values near the bottom of the list are over-represented in the population. The line in the middle of the list represents the average MK value for the population (0.0255); **animals above this line are underrepresented and are priority breeders to increase gene diversity in the population.**

Giant pandas (or sperm samples) in China with potential breeding recommendations for 2017 are highlighted in light blue. Numbers in red italics indicate the number of females for which each male has been identified as a potential mate in 2017. *Caution should be used in using low ranking males (i.e., those near the bottom of the MK list) for multiple breedings.*

The top priority breeders for the 2017 breeding season (13 males, 9 females) are in BOLD. Focused efforts should be made to breed these pandas if possible, especially the older animals, and to mate them with a genetically valuable mate if possible. The attached MSI tables (Appendix D) can be used to identify their mates.

MALES					FEMALES				
SB#	MK	Location	Age	Fs	SB#	MK	Location	Age	
542	0	DJYGP BC	17	9	765	0	CHENPANDA	10	
703	0	LOGUANTA	9	5	990	0	CHENPANDA	6	
802	0	LOGUANTA	7	4	505	0.0009	WOLONG	16	
803	0	LOGUANTA	7	3	702	0.0012	YAAN BC	9	
989	0	DJYGP BC	18		860	0.0012	YAAN BC	7	
327	0.0006	ABERDE HK	30		581	0.0027	WOLONG	14	
831	0.0009	CHENPANDA	16	1	698	0.0042	WOLONG	13	
938	0.0028	GENGDA BC	2		837	0.0043	GENGDA BC	4	
661	0.0033	YAAN BC	10	6	838	0.0043	GENGDA BC	4	
415	0.0039	SANDIEGOZ	24		1030	0.0050	YAAN BC	0	
579	0.0041	YAAN BC	15	8	827	0.0051	YAAN BC	5	
886	0.0047	GENGDA BC	3		936	0.0058	GENGDA BC	2	
1031	0.0050	YAAN BC	0		862	0.0064	GENGDA BC	3	
1041	0.0052	YAAN BC	0		1046	0.0072	YAAN BC	0	
624	0.0056	CHENPANDA	12		507	0.0076	MEMPHIS	16	
865	0.0057	GENGDA BC	3		1045	0.0092	WOLONG	0	
937	0.0065	GENGDA BC	2		908	0.0099	LOGUANTA	3	
342	0.0067	CHENPANDA	29		1040	0.0105	YAAN BC	0	
623	0.0076	YAAN BC	12	12	757	0.0110	LOGUANTA	7	
905	0.0102	GENGDA BC	3		911	0.0112	LOGUANTA	2	
912	0.0112	LOGUANTA	2		965	0.0118	CHENPANDA	1	
752	0.0114	GENGDA BC	7	12	966	0.0118	CHENPANDA	1	
775	0.0116	GENGDA BC	6	12	791	0.0122	YAAN BC	6	
748	0.0131	YAAN BC	7	20	691	0.0123	YAAN BC	9	
674	0.0131	YAAN BC	9	22	434	0.0126	KOBE PARK	21	
787	0.0139	SHENZHEN	6		947	0.0147	CHENPANDA	1	
788	0.0139	CHENPANDA	6		948	0.0147	CHENPANDA	1	

MALES					FEMALES				
SB#	MK	Location	Age	Fs	SB#	MK	Location	Age	
917	0.0146	HANGCHOW	2		976	0.0147	DJYGP BC	1	
975	0.0147	DJYGP BC	1		473	0.0148	NZP-WASH	18	
963	0.0150	CHENPANDA	1		569	0.0150	EDINBURGH	13	
964	0.0150	CHENPANDA	1		997	0.0152	CHENPANDA	0	
609	0.0152	YAAN BC	11	15	998	0.0152	CHENPANDA	0	
582	0.0153	DJYGP BC	12	5	562	0.0156	LOGUANTA	13	
711	0.0154	CHENPANDA	8	2	973	0.0158	GENGDA BC	1	
526	0.0158	VIENNA	16		512	0.0162	YAAN BC	16	
972	0.0158	GENGDA BC	1		1024	0.0167	YAAN BC	0	
724	0.0162	CHENPANDA	8	2	725	0.0168	CHENPANDA	8	
1023	0.0167	YAAN BC	0		883	0.0172	BEIJING	3	
951	0.0176	DJYGP BC	1		980	0.0173	GENGDA BC	1	
952	0.0176	GENGDA BC	1		955	0.0174	WOLONG	1	
502	0.0179	YAAN BC	17	24	784	0.0176	GENGDA BC	6	
978	0.0187	NZP-WASH	1		755	0.0179	YAAN BC	7	
606	0.0187	ABERDE HK	11	2	572	0.0184	YAAN BC	13	
830	0.0190	HUAYING	5	3	650	0.0184	QINGSHEN	10	
510	0.0191	CHIANGMAI	16		439	0.0188	SHANGHAI	20	
719	0.0195	YAAN BC	8	32	601	0.0189	DEQING	11	
563	0.0200	DJYGP BC	13	4	643	0.0190	YAAN BC	10	
749	0.0200	SHIH CHIA	7		654	0.0190	YAAN BC	10	
842	0.0200	SANDIEGOZ	4		1037	0.0190	YAAN BC	0	
607	0.0206	GENGDA BC	11	5	509	0.0196	LOGUANTA	16	
386	0.0206	CHENPANDA	24	3	561	0.0199	CHENPANDA	13	
466	0.0207	MEMPHIS	18		596	0.0203	QINGSHEN	11	
586	0.0209	YAAN BC	12	12	941	0.0205	DJYGP BC	2	
613	0.0210	PANYU	11	2	694	0.0206	GENGDA BC	9	
488	0.0210	DJYGP BC	17	23	960	0.0208	GENGDA BC	1	
874	0.0210	GENGDA BC	3		680	0.0209	CHENPANDA	9	
910	0.0212	DJYGP BC	2		897	0.0215	NZP-WASH	3	
461	0.0213	ATLANTA	19	5	739	0.0218	TIGER G	8	
595	0.0215	DJYGP BC	11	4	794	0.0218	YAAN BC	6	
620	0.0216	ADELAIDE	11		756	0.0220	YAAN BC	7	
689	0.0218	YAAN BC	9	9	946	0.0220	YAAN BC	1	
690	0.0218	SINGAPORE	9		995	0.0220	YAAN BC	0	
769	0.0220	SHENZHEN	6		425	0.0222	CHENPANDA	21	
772	0.0224	NANJING	6		771	0.0224	JINAN	6	
778	0.0229	GENGDA BC	6	5	678	0.0226	CHENPANDA	9	
931	0.0229	GENGDA BC	2		943	0.0228	DJYGP BC	2	
390	0.0230	WAKAYAMA	24		474	0.0229	SHANGHAI	18	
713	0.0230	LOGUANTA	8		932	0.0229	GENGDA BC	2	
731	0.0231	CHENPANDA	8	2	487	0.0230	SHANGHAI	17	
736	0.0232	BEAUVAL	8	2	522	0.0230	CHENPANDA	16	
685	0.0236	LANGZHONG	9		801	0.0231	CHENPANDA	6	

MALES				
SB#	MK	Location	Age	Fs
789	0.0236	JINAN	6	
887	0.0236	DJYGP BC	3	
1027	0.0236	VIENNA	0	
520	0.0236	CHENPANDA	16	6
492	0.0237	DJYGP BC	17	
532	0.0238	CHENPANDA	15	8
926	0.0239	GENGDA BC	2	
933	0.0242	DJYGP BC	2	
770	0.0243	CHANGSHA	6	
879	0.0244	DJYGP BC	3	
592	0.0245	YAAN BC	12	26
857	0.0247	CHANGSHA	4	
858	0.0247	CHANGSHA	4	
1038	0.0247	CHENPANDA	0	
518	0.0250	DAFENG	16	
751	0.0251	PANYU	7	1
949	0.0251	YAAN BC	1	
950	0.0251	YAAN BC	1	
1011	0.0251	CHONGQING	0	
564	0.0252	EDINBURGH	13	
747	0.0252	EMEI EP	7	18
714	0.0252	LIUGONGDA	8	
841	0.0253	YONG IN	4	
377	0.0253	LOGUANTA	25	
525	0.0253	FUCHOW	16	
668	0.0253	XIUNING	9	
669	0.0253	TIGER G	9	
867	0.0255	LINYI BG	3	
742	0.0255	DEQING	7	
792	0.0256	CHENPANDA	6	
793	0.0256	CHENPANDA	6	
906	0.0256	MADRID Z	3	
746	0.0257	DJYGP BC	7	4
902	0.0257	TAIYUAN	3	
519	0.0257	MADRID Z	16	
1028	0.0259	CHENPANDA	0	
1052	0.0259	SHANGHAI	0	
745	0.0260	PAIRI DAI	7	
994	0.0260	CHENPANDA	0	
758	0.0261	EMEI EP	7	
852	0.0261	LINYI BG	4	
786	0.0262	NANJING	6	
890	0.0262	TAIYUAN	3	
999	0.0264	CHENPANDA	0	

FEMALES				
SB#	MK	Location	Age	
870	0.0231	ATLANTA	3	
871	0.0231	ATLANTA	3	
1043	0.0231	ATLANTA	0	
1044	0.0231	ATLANTA	0	
760	0.0232	WENLING S	7	
761	0.0233	CHENPANDA	7	
762	0.0236	CHENPANDA	7	
1026	0.0236	VIENNA	0	
452	0.0237	ATLANTA	19	
568	0.0237	WOLONG	13	
984	0.0237	YAAN BC	1	
1019	0.0237	WOLONG	0	
1020	0.0237	WOLONG	0	
759	0.0238	YAAN BC	7	
1010	0.0238	SHANGHAI	0	
810	0.0239	DJYGP BC	5	
681	0.0241	CHENPANDA	9	
734	0.0241	SINGAPORE	8	
967	0.0241	GENGDA BC	1	
968	0.0241	GENGDA BC	1	
823	0.0243	YANCHENG	5	
576	0.0244	MADRID Z	13	
735	0.0244	WOLONG	8	
869	0.0244	YONG IN	3	
880	0.0244	TIANMUHU	3	
495	0.0245	GENGDA BC	17	
523	0.0245	CHENPANDA	16	
631	0.0245	YAAN BC	10	
637	0.0246	CHENPANDA	10	
796	0.0246	CHANGSHA	6	
811	0.0246	YANCHENG	5	
567	0.0247	YANGZHOU	13	
706	0.0247	SHENNONGJ	8	
641	0.0248	KUALA LUM	10	
672	0.0248	GENGDA BC	9	
740	0.0249	YAAN BC	7	
587	0.0250	TAIPEI	12	
750	0.0251	PANYU	7	
1012	0.0251	CHONGQING	0	
565	0.0252	TAIHU EP	13	
598	0.0252	CHENPANDA	11	
800	0.0252	ANYANG	6	
877	0.0252	TIANJIN	3	
929	0.0252	GENGDA BC	2	

MALES					FEMALES			
SB#	MK	Location	Age	Fs	SB#	MK	Location	Age
503	0.0264	WOLONG	17	9	846	0.0253	NINGBO	4
1021	0.0267	YAAN BC	0		884	0.0255	DJYGP BC	3
573	0.0269	CHENPANDA	13	2	566	0.0256	YAAN BC	13
614	0.0269	CHENPANDA	11	1	652	0.0256	CHENPANDA	10
662	0.0269	LIUZHOU	9		664	0.0256	WOLONG	9
790	0.0271	HANGZHOUW	6		1042	0.0256	MADRID Z	0
954	0.0271	CHENPANDA	1		557	0.0258	PANYU	14
458	0.0271	NZP-WASH	19		625	0.0259	WOLONG	10
956	0.0272	WOLONG	1		1029	0.0259	CHENPANDA	0
536	0.0274	ANJI BAMB	15		1053	0.0259	SHANGHAI	0
726	0.0275	MACAO CMA	8		549	0.0261	TAIHU EP	14
649	0.0275	CHENPANDA	10	1	953	0.0262	DJYGP BC	1
743	0.0278	YAAN BC	7	18	1000	0.0264	CHENPANDA	0
744	0.0278	PANYU	7	2	704	0.0266	EMEI EP	8
935	0.0278	DEZHOU	2		913	0.0266	DEZHOU	2
992	0.0278	PAIRI DAI	0		712	0.0267	WOLONG	8
589	0.0282	NANCHANG	12		983	0.0267	WOLONG	1
619	0.0282	WUHAN	11		1022	0.0267	YAAN BC	0
639	0.0283	KUALA LUM	10		511	0.0268	WOLONG	16
599	0.0284	XIXIAKOU	11		663	0.0269	CHENPANDA	9
574	0.0284	CHENPANDA	13	6	977	0.0271	KUALA LUM	1
721	0.0284	SHENNONGJ	8		834	0.0272	NINGBO	4
538	0.0285	FUCHOW	15		835	0.0272	LANGZHONG	4
588	0.0285	TAIPEI	12		864	0.0273	TAIPEI	3
715	0.0287	LOUGUANTA	8	1	480	0.0275	CHENPANDA	17
513	0.0287	CHONGQING	16		665	0.0277	CHENPANDA	9
454	0.0288	FUCHOW	19		638	0.0280	ADELAIDE	10
515	0.0288	HEFEI W	16		610	0.0282	ABERDE HK	11
575	0.0288	ANJI BAMB	13		632	0.0282	DJYGP BC	10
496	0.0289	BEIJING	17		651	0.0282	YAAN BC	10
738	0.0289	CHENPANDA	8	1	516	0.0283	SANJIANG	16
782	0.0289	WAKAYAMA	6		600	0.0284	TOKYOUENO	11
839	0.0291	CHENPANDA	4		774	0.0284	DALIAN	6
1054	0.0296	PANYU	0		618	0.0285	PANYU	11
1055	0.0296	PANYU	0		741	0.0285	PAIRI DAI	7
920	0.0296	HANGCHOW	2		763	0.0287	CHENPANDA	7
768	0.0298	DALIAN	6		476	0.0288	YAAN BC	18
899	0.0298	CHENPANDA	3		868	0.0288	SHANGHAI	3
900	0.0298	SHANGHAI	3		783	0.0289	WAKAYAMA	6
636	0.0298	WENLING S	10		832	0.0289	WAKAYAMA	4
529	0.0300	SHIH CHIA	15		944	0.0289	WAKAYAMA	1
530	0.0300	WENZHOU	15		945	0.0289	WAKAYAMA	1
1013	0.0301	CHENPANDA	0		1047	0.0289	WAKAYAMA	0
633	0.0302	HUAYING	10		539	0.0290	CHIANGMAI	15

MALES					FEMALES				
SB#	MK	Location	Age	Fs	SB#	MK	Location	Age	
961	0.0305	CHENPANDA	1		909	0.0291	LOGUANTA	3	
962	0.0305	CHENPANDA	1		970	0.0291	GENGDA BC	1	
540	0.0307	CHENPANDA	14	1	971	0.0291	GENGDA BC	1	
875	0.0308	YUNNAN W	3		737	0.0292	CHENPANDA	8	
876	0.0308	CHENPANDA	3		432	0.0293	GENGDA BC	21	
707	0.0309	YABULI	8		853	0.0293	CHENPANDA	4	
1003	0.0310	CHENPANDA	0		1005	0.0293	CHENPANDA	0	
1025	0.0312	CHENPANDA	0		1006	0.0293	CHENPANDA	0	
904	0.0314	SHANGHAI	3		548	0.0295	CHONGQING	14	
688	0.0314	DAFENG	9		537	0.0297	CHENPANDA	15	
646	0.0315	FUCHOW	10		554	0.0300	CHENGDU	14	
825	0.0316	CHENPANDA	5		924	0.0301	ERDOS LS	2	
1001	0.0317	MACAO CMA	0		925	0.0301	ERDOS LS	2	
1002	0.0317	MACAO CMA	0		1014	0.0301	CHENPANDA	0	
732	0.0318	TORONTO	8		514	0.0302	VIENNA	16	
918	0.0318	CHENPANDA	2		547	0.0302	PANYU	14	
894	0.0321	BEIJING	3		634	0.0302	YABULI	10	
895	0.0321	BEIJING	3		855	0.0304	CHENPANDA	4	
988	0.0321	TORONTO	1		892	0.0304	SHANGHAI	3	
424	0.0323	CHONGQING	21	2	453	0.0305	CHENPANDA	19	
985	0.0326	CHENPANDA	1		813	0.0307	CHANGSHA	5	
986	0.0326	CHENPANDA	1		889	0.0307	SHANGHAI	3	
670	0.0327	WENZHOU	9		635	0.0308	CHENPANDA	10	
583	0.0327	SHANGHAI	12		781	0.0308	DALIAN	6	
612	0.0327	TOKYOUENO	11		907	0.0308	TIANMUHU	3	
922	0.0333	PANYU	2		494	0.0309	LOGUANTA	17	
923	0.0333	PANYU	2		708	0.0309	GANZHOU F	8	
1032	0.0335	CHENPANDA	0		1004	0.0310	CHENPANDA	0	
1016	0.0337	CHENPANDA	0		818	0.0312	CHENPANDA	5	
1017	0.0337	CHENPANDA	0		819	0.0312	CHENPANDA	5	
666	0.0342	LIUZHOU	9		848	0.0313	LONGTAN S	4	
717	0.0342	CHENPANDA	8	1	903	0.0314	CHENPANDA	3	
957	0.0347	CHENPANDA	1		555	0.0315	CHENPANDA	14	
958	0.0347	CHENPANDA	1		709	0.0316	CHENPANDA	8	
605	0.0351	XIXIAKOU	11		824	0.0316	CHENPANDA	5	
915	0.0351	CHENPANDA	2		570	0.0318	CHENPANDA	13	
851	0.0354	LONGTAN S	4		919	0.0318	CHENPANDA	2	
878	0.0355	PANYU	3		821	0.0319	GUIZHOU W	5	
1036	0.0356	CHENPANDA	0		822	0.0319	GUIZHOU W	5	
644	0.0357	ZIBO YSH	10		477	0.0320	FUCHOW	18	
928	0.0363	CHENPANDA	2		493	0.0321	CHONGQING	17	
629	0.0374	ZIBO YSH	10		987	0.0321	TORONTO	1	
630	0.0374	WUXI	10		593	0.0323	CHENPANDA	12	
780	0.0374	ANJI BAMB	6		645	0.0324	CHENPANDA	10	

MALES				
SB#	MK	Location	Age	Fs
815	0.0374	FUDE TJ	5	
584	0.0375	CHENPANDA	12	
627	0.0376	CHENPANDA	10	
628	0.0376	QINGDAO	10	
394	0.0404	BEIJING	24	

FEMALES				
SB#	MK	Location	Age	
611	0.0327	HANGZHOUW	11	
682	0.0327	LIUGONGDA	9	
648	0.0328	CHONGQING	10	
829	0.0328	CHONGQING	5	
896	0.0328	CHONGQING	3	
982	0.0328	CHONGQING	1	
1049	0.0328	CHONGQING	0	
940	0.0332	LOGUANTA	2	
671	0.0333	CHENPANDA	9	
921	0.0333	PANYU	2	
676	0.0334	TORONTO	9	
1033	0.0335	CHENPANDA	0	
766	0.0336	BEIJING	6	
521	0.0337	WAKAYAMA	16	
490	0.0339	CHENPANDA	17	
571	0.0339	YAAN BC	13	
991	0.0340	CHENPANDA	0	
491	0.0343	CHENPANDA	17	
969	0.0347	PANYU	1	
667	0.0348	MACAO CMA	9	
371	0.0349	SANDIEGOZ	25	
820	0.0351	FUDE TJ	5	
914	0.0351	CHENPANDA	2	
881	0.0356	CHENPANDA	3	
882	0.0356	YUNNAN W	3	
764	0.0357	CHENPANDA	7	
872	0.0365	LOGUANTA	3	
1008	0.0365	CHENPANDA	0	
1009	0.0365	CHENPANDA	0	
722	0.0374	QINGDAO	8	
723	0.0374	BEAUVAL	8	
779	0.0374	ANJI BAMB	6	
814	0.0374	CHANGSHA	5	

APPENDIX D: Giant panda MSI values for mate selection during the 2017 breeding season (distributed at the meeting in Chengdu in November 2016).

This appendix provides the MSI tables for giant panda *ex situ* population for use in determining breeding pairs for the 2017 breeding season. Permanent non-breeders and dead pandas (including sperm samples) were excluded from the genetic analysis and therefore are not represented in this table. Mean kinship values and MSI scores change over time with births and deaths in the population, so a current MSI table should be calculated each year.

When choosing mates, consider the following:

- There is no need to maximize growth and attempt to breed all females. Breeding efforts should concentrate on genetically valuable females to produce cubs for the *ex situ* population. Additional females that are good candidates for producing offspring for release also can be bred to support reintroduction efforts.
- Pairs with MSI = 1 to 3.5 should be given breeding priority, especially for institutions with pairing choices, as this will improve genetic diversity and reduce inbreeding.
- Efforts should be made also to breed males and females with low mean kinship (MK) values. The average MK in the population is 0.0255. Animals with MK less than 0.0255 should be preferred breeders to maintain genetic diversity. The MK values are show for each male and female on the MSI tables and on the mean kinship list (Appendix C).
- Priority efforts should be made to breed any wild-acquired pandas that have not produced surviving offspring, even if the MSI score = 3.5.
- Potential founders or other genetically valuable pandas should be bred with other high ranking pandas when possible ($MSI \leq 3$). However, it is acceptable to breed potential founders with lower ranking pandas if this is the best or only option for successful reproduction for this highly valuable animal. To identify these special cases, MSI scores greater than 3 for pairs involving potential founders were changed to 3.5.
- AI should be restricted for use only for genetically valuable pairings that must be bred.

The following MSI tables list one row for each male and one column for each female, in alphabetical order by institution. The intersecting cell for a male and female contains the MSI score for that pair. The MK value of each animal is given next to its studbook number. These MK values are color coded according to percentile, with dark green representing the most genetically valuable animals for breeding (low MK value), changing to light green and then yellow in the middle of the MK list, and finally to orange and then red for animals at the bottom of the MK list. Red indicates animals that are genetically overrepresented and should not be bred unless their cubs are needed for demographic reasons (e.g., for release).

MateRx listings

The PMx software includes the MateRx tool, which is designed and developed to be a genetic tool that will guide population management decisions. For every male/female pair in the population, MateRx calculates a single numeric index indicating the relative genetic benefit or detriment to the population of breeding that particular pair. This index, called the mate suitability index (or MSI), is calculated from considering each pair's mean kinship values, the difference in the male's and female's mean kinship, the inbreeding coefficient of the offspring produced, and the amount of unknown ancestry in the pair. MateRx is designed to simplify the decisions about which pairs should be bred by condensing all that we know about the genetics of a pair into a single number.

MSI values are labeled as beneficial (scores = 1, 2, or 3) or detrimental (scores = 4, 5, or 6) to the population. Beneficial MSIs denote no detrimental effects relative to the genetic values of that pair, and MSI values of 4, 5, or 6 indicate at least one detrimental effect.

MSI Score Definitions:

1 = very beneficial pair;

2 = moderately beneficial pair;

3 = slightly beneficial pair;

4 = slightly detrimental pair;

5 = detrimental pair, should only be used if demographically necessary;

6 = very detrimental pair, (should only be used if demographic considerations override preservation of genetic diversity, or if this is the only good option for breeding a very highly ranked individual).

“-“ = so detrimental that the pair should never be bred

Note: When one of the animals in the pair is a potential founder (wild-caught animal with no living offspring or descendants) and therefore of high priority for breeding, $MSI \geq 4$ were revised to prevent the situation where these animals are not bred because their only available mates were of relatively low genetic value (leading to a high MSI). In these cases, $MSI = 3.5$.

- Breeding by MSI values does not address demographics, behavior or logistics.
- MSI values are not intended for use with all captive managed species. Many species have unusual population histories and structures that require the expertise and attention of a trained population biologist. These populations may have characteristics such as few founders, many captive generations, extremely small numbers, or many unknown origins or parentage data that prohibit generic management.
- MSI values (and MK values) are time sensitive: the MSI rankings are only valid as long as there are no substantial changes in the population. These MSI tables should be considered invalid after one year following its date of creation.

MK				0.028	0.028	0.037	0.025	0.024	0.037	0.034	0.025	0.031
Females > Name				610	638	779	800	452	723	766	796	813
MK	Males	Name	Location	YING YING	FU NI	ZHEN QIAO	ZHI CHUN	LUN LUN	HUAN HUAN	DA BAITU	YA YUN	JUN JUN
				ABERDE HK	ADELAIDE	ANJI BAMB	ANYANG	ATLANTA	BEAUVILLE	BEIJING	CHANGSHA	CHANGSHA
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	3	4	3	3	4	4	3	4
0.022	620	WANG WANG	ADELAIDE	4	4	-	3	2	-	4	2	4
0.027	536	XIAO JIAO	ANJI BAMB	4	4	5	4	-	5	4	4	4
0.029	575	QING ZAI	ANJI BAMB	4	4	5	4	4	5	4	4	6
0.037	780	ZHEN HAO	ANJI BAMB	4	4	-	4	4	-	5	4	5
0.021	461	YANG YANG	ATLANTA	3	3	4	3	2	4	4	-	4
0.023	736	YUAN ZI	BEAUVILLE	4	4	4	2	4	4	4	4	4
0.040	394	DADI	BEIJING	5	5	5	4	4	5	-	4	5
0.029	496	GU GU	BEIJING	4	4	4	4	4	4	5	4	4
0.024	770	ER XI	CHANGSHA	4	4	4	4	4	4	4	4	-
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	2	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	2	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	6	6	6	4	4	6	6	4	6
0.021	386	KEBI	CHENPANDA	3	3	4	3	2	4	4	-	4
0.024	520	BINGDIAN	CHENPANDA	4	4	5	2	-	5	4	2	4
0.024	532	FUFU	CHENPANDA	4	4	4	2	2	4	6	2	4
0.031	540	XIONGBING	CHENPANDA	4	4	5	4	4	5	4	4	-
0.027	573	LONGBING	CHENPANDA	4	4	5	4	4	5	4	4	-
0.028	574	QIUBING	CHENPANDA	4	4	5	4	4	5	4	4	-
0.038	584	YONGYONG	CHENPANDA	4	4	5	4	4	5	5	4	4
0.027	614	XINGBING	CHENPANDA	4	4	5	4	4	5	4	4	-
0.006	624	QIAO QIAO	CHENPANDA	6	6	6	4	4	6	6	4	6
0.038	627	LE SHAN	CHENPANDA	4	4	-	4	4	-	5	4	5
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	-	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	4	4	6	4	3	6	4	4	4
0.034	717	SHU XIANG	CHENPANDA	4	4	-	4	4	-	4	4	4
0.016	724	YING YING	CHENPANDA	4	4	6	3	3	6	4	4	4
0.023	731	XI LAN	CHENPANDA	4	4	4	4	-	4	4	4	4
0.029	738	YONG BING	CHENPANDA	4	4	5	4	4	5	4	4	-
0.014	788	YUAN LIN	CHENPANDA	4	4	6	4	4	6	4	4	4
0.026	792	DE DE	CHENPANDA	4	4	4	4	4	4	4	4	4
0.026	793	A BAO	CHENPANDA	4	4	4	4	4	4	4	4	4
0.032	825	LIU YI	CHENPANDA	4	4	5	4	4	5	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	4	4	4	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	3	3	6	3	3	6	4	3	4
0.032	424	LINGLING	CHONGQING	4	4	5	4	4	5	-	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	4	4	4	-	4	4
0.025	518	LONG SHENG	DAFENG	4	4	4	4	2	4	-	2	4
0.031	688	QING FENG	DAFENG	4	-	5	4	4	5	6	4	4
0.030	768	JIN HU	DALIAN	4	4	4	4	4	4	-	4	4
0.026	742	YUN YUN	DEQING	4	4	4	4	2	4	5	4	4
0.021	488	YUAN YUAN	DJYGP BC	3	3	4	3	2	4	4	3	4
0.024	492	PENG PENG	DJYGP BC	4	4	4	2	2	4	4	2	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	3	3	4	4	3	4

MK				0.028	0.028	0.037	0.025	0.024	0.037	0.034	0.025	0.031
Females > Name				610	638	779	800	452	723	766	796	813
MK	Males	Name	Location	YING YING	FU NI	ZHEN QIAO	ZHI CHUN	LUN LUN	HUAN HUAN	DA BAITU	YA YUN	JUN JUN
A	B	C	D	E	F	G	H	I	J	K	L	M
0.015	582	RONG RONG	DJYGP BC	-	4	6	4	3	6	4	3	4
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	4	4	4	2	4
0.026	746	XING RUI	DJYGP BC	-	-	4	-	2	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	4	2	4	4	2	4
0.025	747	XIANG LU	EMEI EP	-	-	4	-	4	4	4	4	4
0.026	758	LU LIN	EMEI EP	-	-	4	-	2	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	5	4	4	5	4	4	6
0.025	525	LONG FEI	FUCHOW	6	4	4	4	2	4	-	4	4
0.029	538	LIN YANG	FUCHOW	4	4	4	4	4	4	5	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	-	4	-	-	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	4	-	4	4	-	5	4	5
0.021	607	XI WANG	GENGDA BC	4	-	4	3	2	4	4	3	4
0.011	752	ZI YAN	GENGDA BC	4	4	6	4	4	6	6	4	4
0.012	775	AO AO	GENGDA BC	4	4	6	4	4	6	6	4	4
0.023	778	CAI TAO	GENGDA BC	4	4	4	2	2	4	4	2	4
0.027	790	SHAN HU	HANGZHOUW	4	4	4	4	4	4	5	4	4
0.029	515	LIANGLIANG	HEFEI W	4	4	5	4	4	5	4	4	6
0.030	633	TAO TAO	HUAYING	4	4	4	4	4	4	-	4	4
0.019	830	YUN TAO	HUAYING	4	4	4	3	3	4	4	3	4
0.028	639	FU WA	KUALA LUM	-	-	4	-	4	4	4	4	4
0.024	685	FU LONG	LANGZHONG	4	4	4	4	2	4	6	2	4
0.026	852	HAN HAN	LINYI BG	-	-	4	-	2	4	4	4	4
0.025	714	NING NING	LIUGONGDA	-	-	5	-	2	5	4	4	4
0.027	662	MINGBING	LIUZHOU	4	4	5	4	4	5	4	4	-
0.034	666	SHU LING	LIUZHOU	4	4	-	4	4	-	4	4	4
0.035	851	SI YI	LONGTAN S	4	4	5	4	4	5	5	4	4
0.025	377	PING PING	LOUQUANTA	4	4	4	4	2	4	4	4	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	4	4	4	2	2	4	4	2	4
0.029	715	LELE	LOUQUANTA	4	4	4	4	4	4	4	4	5
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	4	4	4	4	4	-	4
0.026	519	BINGXING	MADRID Z	4	4	5	4	-	5	4	4	4
0.021	466	LELE	MEMPHIS	3	3	4	3	2	4	4	3	4
0.028	589	MEI LING	NANCHANG	4	4	4	4	4	4	6	4	4
0.022	772	ZHAO YANG	NANJING	4	4	4	2	2	4	4	2	4
0.026	786	QING SHAN	NANJING	4	4	4	4	4	4	5	4	4
0.027	458	TIAN TIAN	NZP-WASH	-	4	4	4	4	4	5	4	4
0.026	745	XING HUI	PAIRI DAI	-	-	4	-	2	4	4	4	4
0.021	613	YOU YOU	PANYU	3	4	4	3	2	4	4	3	4
0.028	744	YIN KE	PANYU	-	-	4	-	4	4	5	4	4
0.025	751	SHEN WEI	PANYU	4	4	4	4	2	4	4	2	4
0.038	628	LE SHUI	QINGDAO	4	4	-	4	4	-	5	4	5
0.004	415	GAOGAO	SANDIEGOZ	6	6	6	6	6	6	6	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	3	3	4	4	3	4

MK				0.028	0.028	0.037	0.025	0.024	0.037	0.034	0.025	0.031
Females > Name				610	638	779	800	452	723	766	796	813
MK	Males	Name	Location	ABERDE HK	ADELAIDE	ANJI BAMB	ANYANG	ATLANTA	BEAUVILLE	BEIJING	CHANGSHA	CHANGSHA
0.033	583	YA AO	SHANGHAI	4	4	5	4	4	5	-	4	4
0.028	721	AO YUN	SHENNONGJ	-	-	4	-	4	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	4	4	4	4	-	4	4	-	4
0.014	787	YUAN ZHOU	SHENZHEN	4	4	6	4	4	6	4	4	4
0.030	529	YA XIANG	SHIH CHIA	4	4	5	4	4	5	4	-	-
0.020	749	YUN ZI	SHIH CHIA	4	4	4	3	3	4	4	3	4
0.022	690	WU JIE	SINGAPORE	4	4	4	3	2	4	4	2	4
0.029	588	TUAN TUAN	TAIPEI	4	4	4	4	4	4	6	4	4
0.025	669	HUA AO	TIGER G	-	-	4	-	2	4	4	4	4
0.033	612	BI LI	TOKYOUENO	4	4	5	4	4	5	-	4	4
0.032	732	DA MAO	TORONTO	4	4	5	4	4	5	4	4	-
0.024	789	FU HU	TSINAN	4	4	4	4	2	4	6	2	4
0.016	526	LONG HUI	VIENNA	4	4	6	3	3	6	4	3	4
0.023	390	YONGMING	WAKAYAMA	4	4	4	2	2	4	4	2	-
0.029	782	HAI BING	WAKAYAMA	4	4	5	4	4	5	4	4	-
0.030	636	HUAN HUAN	WENLING S	-	-	4	-	4	4	5	4	4
0.030	530	YA GUANG	WENZHOU	4	4	5	4	4	5	4	-	-
0.033	670	JI YOU	WENZHOU	4	4	-	4	4	-	4	4	4
0.026	503	LU LU	WOLONG	-	-	4	-	4	4	4	4	4
0.028	619	WEI WEI	WUHAN	4	4	4	4	4	4	6	4	4
0.037	630	WU YI	WUXI	4	4	-	4	4	-	5	4	5
0.025	668	HUA LONG	XIUNING	-	-	4	-	2	4	4	4	4
0.028	599	XIAN ZI	XIXIAOKOU	4	4	-	4	4	-	5	4	4
0.035	605	JING JING	XIXIAOKOU	5	4	-	4	4	-	5	4	4
0.018	502	WU GANG	YAAN BC	4	4	4	3	3	4	4	3	4
0.004	579	YANGYANG	YAAN BC	6	6	6	6	4	6	6	6	6
0.021	586	TONG TONG	YAAN BC	4	4	4	3	2	4	4	3	4
0.025	592	LAN ZI	YAAN BC	4	4	5	4	4	5	4	4	4
0.015	609	HUI HUI	YAAN BC	4	4	6	4	3	6	4	3	4
0.008	623	BAI YANG	YAAN BC	6	6	6	4	4	6	6	4	6
0.003	661	YI BAO	YAAN BC	6	6	6	6	6	6	6	6	6
0.013	674	XIANG GE	YAAN BC	4	4	6	4	4	6	6	4	4
0.022	689	WU JUN	YAAN BC	4	4	4	3	2	4	4	2	4
0.020	719	AN AN	YAAN BC	3	3	4	3	3	4	4	3	4
0.028	743	JIN KE	YAAN BC	4	4	5	4	4	5	4	4	4
0.013	748	XIANG LIN	YAAN BC	4	4	6	4	4	6	6	4	4
0.031	707	YOU YOU	YABULI	4	-	4	4	4	4	6	4	4
0.025	841	YUAN XIN	YONG IN	4	-	4	4	2	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	4	-	4	4	-	5	4	5
0.036	644	SHUANG ER	ZIBO YSH	4	4	-	4	4	-	5	4	4

MK				0.037	0.030	0.022	0.031	0.028	0.034	0.034	0.023
Females > Name				814	554	425	453	480	490	491	522
MK	Males	Name	Location	ZHEN ZHEN	YA SHUANG	JIAO ZI	DA SHUANG	SHU QING	QI ZHEN	QIYUAN	CHENGGONG
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	6	6	6
0.019	606	LE LE	ABERDE HK	4	4	3	4	-	4	4	3
0.022	620	WANG WANG	ADELAIDE	-	4	2	4	3	4	4	2
0.027	536	XIAO JIAO	ANJI BAMB	5	-	-	-	4	-	-	4
0.029	575	QING ZAI	ANJI BAMB	5	-	4	-	4	-	-	4
0.037	780	ZHEN HAO	ANJI BAMB	-	5	4	5	4	-	-	4
0.021	461	YANG YANG	ATLANTA	4	-	2	4	3	4	4	4
0.023	736	YUAN ZI	BEAUVILLE	4	4	4	4	4	4	4	4
0.040	394	DADI	BEIJING	5	5	4	5	4	5	5	4
0.029	496	GU GU	BEIJING	4	4	4	4	4	4	4	4
0.024	770	ER XI	CHANGSHA	4	4	4	4	4	4	4	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	2	4	4	4	4	-
0.025	858	CHENG DUI	CHANGSHA	4	4	2	4	4	4	4	-
0.007	342	XIAO PINGPING	CHENPANDA	6	6	4	6	6	6	6	4
0.021	386	KEBI	CHENPANDA	4	4	2	4	3	4	4	-
0.024	520	BINGDIAN	CHENPANDA	5	-	-	-	4	-	-	2
0.024	532	FUFU	CHENPANDA	4	4	2	4	4	4	4	2
0.031	540	XIONGBING	CHENPANDA	5	4	4	4	4	-	-	4
0.027	573	LONGBING	CHENPANDA	5	4	4	4	4	-	-	4
0.028	574	QIUBING	CHENPANDA	5	4	4	4	4	-	-	4
0.038	584	YONGYONG	CHENPANDA	5	4	4	4	-	5	5	4
0.027	614	XINGBING	CHENPANDA	5	4	4	4	4	-	-	4
0.006	624	QIAO QIAO	CHENPANDA	6	6	4	6	6	6	6	4
0.038	627	LE SHAN	CHENPANDA	-	5	4	5	4	-	-	4
0.028	649	MEI LAN	CHENPANDA	4	4	-	4	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	6	4	3	4	4	4	4	-
0.034	717	SHU XIANG	CHENPANDA	-	4	4	4	-	4	5	4
0.016	724	YING YING	CHENPANDA	6	4	3	4	4	4	4	-
0.023	731	XI LAN	CHENPANDA	4	4	-	4	4	4	4	4
0.029	738	YONG BING	CHENPANDA	5	4	4	5	4	-	-	4
0.014	788	YUAN LIN	CHENPANDA	6	4	4	4	4	6	6	4
0.026	792	DE DE	CHENPANDA	4	4	4	6	4	5	5	4
0.026	793	A BAO	CHENPANDA	4	4	4	6	4	5	5	4
0.032	825	LIU YI	CHENPANDA	5	4	4	4	-	4	4	-
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	5	4	5	-	4	4	4
0.019	510	CHUANGCHUANG	CHIANGMAI	6	4	2	4	3	4	4	3
0.032	424	LINGLING	CHONGQING	5	4	4	4	-	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	4	4	4	4	4
0.025	518	LONG SHENG	DAFENG	4	4	2	4	4	4	4	2
0.031	688	QING FENG	DAFENG	5	4	4	4	4	4	4	4
0.030	768	JIN HU	DALIAN	4	4	4	4	-	4	4	4
0.026	742	YUN YUN	DEQING	4	4	3	4	4	4	4	2
0.021	488	YUAN YUAN	DJYGP BC	4	4	2	4	3	4	4	2
0.024	492	PENG PENG	DJYGP BC	4	4	2	4	4	4	4	2
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	2	4	3	4	4	2

MK				0.037	0.030	0.022	0.031	0.028	0.034	0.034	0.023
Females > Name				814	554	425	453	480	490	491	522
MK	Males	Name	Location	ZHEN ZHEN	YA SHUANG	JIAO ZI	DA SHUANG	SHU QING	QI ZHEN	QIYUAN	CHENGGONG
0.015	582	RONG RONG	DJYGP BC	6	4	3	4	4	4	4	3
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	3	4	4	2
0.026	746	XING RUI	DJYGP BC	4	4	3	4	4	4	4	2
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	2	4	4	4	4	2
0.025	747	XIANG LU	EMEI EP	4	4	4	4	4	4	4	2
0.026	758	LU LIN	EMEI EP	4	4	3	4	4	4	4	2
0.029	454	XIAO SHUANG	FUCHOW	5	-	4	-	4	-	-	4
0.025	525	LONG FEI	FUCHOW	4	4	2	4	4	4	4	2
0.029	538	LIN YANG	FUCHOW	4	4	4	4	4	4	4	4
0.032	646	JIAO XIAO	FUCHOW	-	4	-	4	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	-	5	4	5	4	-	-	4
0.021	607	XI WANG	GENGDA BC	4	4	2	4	3	4	4	2
0.011	752	ZI YAN	GENGDA BC	6	4	4	4	4	6	6	4
0.012	775	AO AO	GENGDA BC	6	4	4	4	4	6	6	4
0.023	778	CAI TAO	GENGDA BC	4	4	2	4	4	4	4	2
0.027	790	SHAN HU	HANGZHOUW	4	4	3	4	4	4	4	4
0.029	515	LIANGLIANG	HEFEI W	5	-	4	-	4	-	-	4
0.030	633	TAO TAO	HUAYING	4	4	4	4	-	4	4	4
0.019	830	YUN TAO	HUAYING	4	4	2	4	3	4	4	3
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	4	4	4
0.024	685	FU LONG	LANGZHONG	4	4	2	4	4	4	4	2
0.026	852	HAN HAN	LINYI BG	4	4	3	4	4	4	4	2
0.025	714	NING NING	LIUGONGDA	5	4	2	4	4	4	4	2
0.027	662	MINGBING	LIUZHOU	5	4	4	4	4	-	-	4
0.034	666	SHU LING	LIUZHOU	-	4	4	4	-	4	5	4
0.035	851	SI YI	LONGTAN S	5	5	4	5	-	6	-	4
0.025	377	PING PING	LOUQUANTA	4	4	2	4	4	4	4	2
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	4	4	2	4	4	4	4	2
0.029	715	LELE	LOUQUANTA	4	-	4	6	4	5	5	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	-	3	4	4	4	4	4
0.026	519	BINGXING	MADRID Z	5	-	-	-	4	-	-	2
0.021	466	LELE	MEMPHIS	4	4	2	4	-	4	4	2
0.028	589	MEI LING	NANCHANG	4	4	4	4	-	4	4	4
0.022	772	ZHAO YANG	NANJING	4	4	2	4	4	4	4	2
0.026	786	QING SHAN	NANJING	4	4	3	4	4	4	4	3
0.027	458	TIAN TIAN	NZP-WASH	4	4	3	4	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	3	4	4	4	4	2
0.021	613	YOU YOU	PANYU	4	4	2	4	-	4	4	2
0.028	744	YIN KE	PANYU	4	4	4	4	4	4	4	4
0.025	751	SHEN WEI	PANYU	4	4	2	4	4	4	4	2
0.038	628	LE SHUI	QINGDAO	-	5	4	5	4	-	-	4
0.004	415	GAOGAO	SANDIEGOZ	6	6	4	6	6	6	6	4
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	2	4	3	4	4	2

MK				0.037	0.030	0.022	0.031	0.028	0.034	0.034	0.023
Females > Name				814	554	425	453	480	490	491	522
MK	Males	Name	Location	CHANGSHA	CHENGDU	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA
0.033	583	YA AO	SHANGHAI	5	4	4	4	-	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	4	4	-	4	3	4	4	-
0.014	787	YUAN ZHOU	SHENZHEN	6	4	4	4	4	6	6	4
0.030	529	YA XIANG	SHIH CHIA	5	-	4	-	4	-	-	4
0.020	749	YUN ZI	SHIH CHIA	4	4	2	4	3	4	4	2
0.022	690	WU JIE	SINGAPORE	4	4	2	4	3	4	4	2
0.029	588	TUAN TUAN	TAIPEI	4	4	4	4	-	4	4	4
0.025	669	HUA AO	TIGER G	4	4	2	4	4	4	4	2
0.033	612	BI LI	TOKYOUENO	5	4	4	4	-	4	4	4
0.032	732	DA MAO	TORONTO	5	-	4	6	4	-	-	4
0.024	789	FU HU	TSINAN	4	4	2	4	4	4	4	2
0.016	526	LONG HUI	VIENNA	6	4	3	4	4	4	4	3
0.023	390	YONGMING	WAKAYAMA	4	4	2	4	4	4	4	2
0.029	782	HAI BING	WAKAYAMA	5	4	4	5	4	-	-	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	5	-	4	-	4	-	-	4
0.033	670	JI YOU	WENZHOU	-	4	4	4	4	4	4	-
0.026	503	LU LU	WOLONG	4	4	3	4	4	4	4	3
0.028	619	WEI WEI	WUHAN	4	4	4	4	-	4	4	4
0.037	630	WU YI	WUXI	-	5	4	5	4	-	-	4
0.025	668	HUA LONG	XIUNING	4	4	2	4	4	4	4	2
0.028	599	XIAN ZI	XIXIAKOU	-	4	4	4	4	4	4	4
0.035	605	JING JING	XIXIAKOU	-	4	4	4	4	5	5	4
0.018	502	WU GANG	YAAN BC	4	4	3	4	4	4	4	3
0.004	579	YANGYANG	YAAN BC	6	6	4	6	6	6	6	4
0.021	586	TONG TONG	YAAN BC	4	4	2	4	3	4	4	2
0.025	592	LAN ZI	YAAN BC	5	4	4	6	4	-	-	6
0.015	609	HUI HUI	YAAN BC	6	4	3	4	4	4	4	3
0.008	623	BAI YANG	YAAN BC	6	6	4	6	6	6	6	4
0.003	661	YI BAO	YAAN BC	6	6	4	6	6	6	6	4
0.013	674	XIANG GE	YAAN BC	6	4	3	4	4	6	6	4
0.022	689	WU JUN	YAAN BC	4	4	2	4	3	4	4	2
0.020	719	AN AN	YAAN BC	4	4	2	4	-	4	4	3
0.028	743	JIN KE	YAAN BC	5	4	4	4	4	4	4	4
0.013	748	XIANG LIN	YAAN BC	6	4	3	4	4	6	6	4
0.031	707	YOU YOU	YABULI	4	4	4	4	-	4	4	4
0.025	841	YUAN XIN	YONG IN	4	4	2	4	4	4	4	2
0.037	629	ZHEN DA	ZIBO YSH	-	5	4	5	4	-	-	4
0.036	644	SHUANG ER	ZIBO YSH	-	6	4	-	4	5	5	4

MK				0.025	0.030	0.032	0.020	0.032	0.032	0.025	0.031
Females > Name				523	537	555	561	570	593	598	635
MK	Males	Name	Location	CHENPANDA							
0.001	327	AN AN	ABERDE HK	6	6	6	4	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	4	4	2	4	4	3	4
0.022	620	WANG WANG	ADELAIDE	2	4	4	2	4	4	3	-
0.027	536	XIAO JIAO	ANJI BAMB	4	-	-	4	-	-	4	4
0.029	575	QING ZAI	ANJI BAMB	4	-	-	3	-	-	4	5
0.037	780	ZHEN HAO	ANJI BAMB	4	5	5	4	5	6	4	-
0.021	461	YANG YANG	ATLANTA	4	4	-	2	-	4	-	4
0.023	736	YUAN ZI	BEAUVILLE	4	4	4	-	4	4	4	4
0.040	394	DADI	BEIJING	4	5	5	6	5	5	4	5
0.029	496	GU GU	BEIJING	4	4	4	3	4	4	4	4
0.024	770	ER XI	CHANGSHA	4	4	4	4	4	4	4	-
0.025	857	CHENG SHUANG	CHANGSHA	-	4	4	4	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	-	4	4	4	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	4	6	6	4	6	6	4	-
0.021	386	KEBI	CHENPANDA	-	4	4	-	4	4	-	4
0.024	520	BINGDIAN	CHENPANDA	2	-	-	-	-	-	2	4
0.024	532	FUFU	CHENPANDA	2	4	4	3	4	4	2	4
0.031	540	XIONGBING	CHENPANDA	4	4	4	4	4	5	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	4	4	5	4	4
0.028	574	QIUBING	CHENPANDA	4	4	4	4	4	5	4	4
0.038	584	YONGYONG	CHENPANDA	4	4	5	4	5	5	4	4
0.027	614	XINGBING	CHENPANDA	4	4	4	4	4	5	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	6	6	4	6	6	4	6
0.038	627	LE SHAN	CHENPANDA	4	5	5	4	5	-	4	-
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	5	4	4	4
0.015	711	GONG ZI	CHENPANDA	-	4	4	4	4	4	4	4
0.034	717	SHU XIANG	CHENPANDA	4	4	4	4	4	4	4	-
0.016	724	YING YING	CHENPANDA	-	4	4	4	4	4	4	4
0.023	731	XI LAN	CHENPANDA	4	4	4	4	4	4	4	4
0.029	738	YONG BING	CHENPANDA	4	4	5	4	5	6	4	4
0.014	788	YUAN LIN	CHENPANDA	4	4	4	-	4	4	4	4
0.026	792	DE DE	CHENPANDA	4	6	4	4	4	6	4	4
0.026	793	A BAO	CHENPANDA	4	6	4	4	4	6	4	4
0.032	825	LIU YI	CHENPANDA	-	4	4	4	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	4	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	5	3	5	4	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	3	4	4	2	4	4	3	6
0.032	424	LINGLING	CHONGQING	4	4	4	4	4	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	3	4	4	4	4
0.025	518	LONG SHENG	DAFENG	2	4	4	3	4	4	4	4
0.031	688	QING FENG	DAFENG	4	4	4	4	4	4	4	5
0.030	768	JIN HU	DALIAN	4	4	4	4	4	4	4	4
0.026	742	YUN YUN	DEQING	4	4	4	3	4	4	4	4
0.021	488	YUAN YUAN	DJYGP BC	3	4	4	2	4	4	3	4
0.024	492	PENG PENG	DJYGP BC	2	4	4	3	4	4	2	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	3	4	4	2	4	4	3	4

MK				0.025	0.030	0.032	0.020	0.032	0.032	0.025	0.031
Females > Name				523	537	555	561	570	593	598	635
MK	Males	Name	Location	CHENPANDA							
0.015	582	RONG RONG	DJYGP BC	3	4	4	3	4	4	4	4
0.022	595	TAI SHAN	DJYGP BC	2	4	4	2	4	4	3	4
0.026	746	XING RUI	DJYGP BC	4	4	4	3	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	2	4	4	3	4	4	4	4
0.025	747	XIANG LU	EMEI EP	2	4	4	3	4	4	4	4
0.026	758	LU LIN	EMEI EP	4	4	4	3	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	-	-	3	-	-	4	5
0.025	525	LONG FEI	FUCHOW	2	4	4	3	4	4	4	4
0.029	538	LIN YANG	FUCHOW	4	4	4	3	4	4	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	4	4	-
0.037	815	QIAO QIAO	FUDE TJ	4	5	5	4	5	6	4	-
0.021	607	XI WANG	GENGDA BC	3	4	4	2	4	4	3	4
0.011	752	ZI YAN	GENGDA BC	4	4	6	3	6	6	4	4
0.012	775	AO AO	GENGDA BC	4	4	6	3	6	6	4	4
0.023	778	CAI TAO	GENGDA BC	2	4	4	2	4	4	2	4
0.027	790	SHAN HU	HANGZHOUW	4	4	4	3	4	4	4	4
0.029	515	LIANGLIANG	HEFEI W	4	-	-	3	-	-	4	5
0.030	633	TAO TAO	HUAYING	4	4	4	4	4	4	4	4
0.019	830	YUN TAO	HUAYING	3	4	4	2	4	4	3	4
0.028	639	FU WA	KUALA LUM	4	4	4	3	4	4	4	4
0.024	685	FU LONG	LANGZHONG	2	4	4	3	4	4	2	4
0.026	852	HAN HAN	LINYI BG	4	4	4	3	4	4	4	4
0.025	714	NING NING	LIUGONGDA	2	4	4	3	4	4	4	4
0.027	662	MINGBING	LIUZHOU	4	4	4	4	4	5	4	4
0.034	666	SHU LING	LIUZHOU	4	4	4	4	4	4	4	-
0.035	851	SI YI	LONGTAN S	4	5	5	4	5	-	4	4
0.025	377	PING PING	LOUQUANTA	2	4	4	3	4	4	4	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	4	4	2	4	4	2	4
0.029	715	LELE	LOUQUANTA	4	6	-	3	-	5	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	-	3	-	4	-	4
0.026	519	BINGXING	MADRID Z	4	-	-	-	-	-	4	4
0.021	466	LELE	MEMPHIS	3	4	4	2	4	4	3	4
0.028	589	MEI LING	NANCHANG	4	4	4	3	4	4	4	4
0.022	772	ZHAO YANG	NANJING	2	4	4	2	4	4	2	4
0.026	786	QING SHAN	NANJING	4	4	4	3	4	4	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	3	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	4	3	4	4	4	4
0.021	613	YOU YOU	PANYU	3	4	4	2	4	4	3	4
0.028	744	YIN KE	PANYU	4	4	4	3	4	4	4	4
0.025	751	SHEN WEI	PANYU	2	4	4	3	4	4	4	4
0.038	628	LE SHUI	QINGDAO	4	5	5	4	5	-	4	-
0.004	415	GAOGAO	SANDIEGOZ	6	6	6	4	6	6	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	3	4	4	2	4	4	3	4

MK				0.025	0.030	0.032	0.020	0.032	0.032	0.025	0.031
Females > Name				523	537	555	561	570	593	598	635
MK	Males	Name	Location	CHENPANDA							
0.033	583	YA AO	SHANGHAI	4	4	4	4	4	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	3	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	-	4	4	-	4	4	-	4
0.014	787	YUAN ZHOU	SHENZHEN	4	4	4	-	4	4	4	4
0.030	529	YA XIANG	SHIH CHIA	4	-	-	4	-	-	-	4
0.020	749	YUN ZI	SHIH CHIA	3	4	4	2	4	4	3	4
0.022	690	WU JIE	SINGAPORE	2	4	4	2	4	4	3	4
0.029	588	TUAN TUAN	TAIPEI	4	4	4	3	4	4	4	4
0.025	669	HUA AO	TIGER G	2	4	4	3	4	4	4	4
0.033	612	BI LI	TOKYOUENO	4	4	4	4	4	4	4	4
0.032	732	DA MAO	TORONTO	4	6	-	4	-	6	4	4
0.024	789	FU HU	TSINAN	2	4	4	3	4	4	2	4
0.016	526	LONG HUI	VIENNA	3	4	4	3	4	4	3	4
0.023	390	YONGMING	WAKAYAMA	2	4	4	2	4	4	2	4
0.029	782	HAI BING	WAKAYAMA	4	4	5	4	5	6	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	4	-	-	4	-	-	-	4
0.033	670	JI YOU	WENZHOU	-	4	4	4	4	4	4	-
0.026	503	LU LU	WOLONG	4	4	4	3	4	4	4	4
0.028	619	WEI WEI	WUHAN	4	4	4	3	4	4	4	4
0.037	630	WU YI	WUXI	4	5	5	4	5	6	4	-
0.025	668	HUA LONG	XIUNING	2	4	4	3	4	4	4	4
0.028	599	XIAN ZI	XIXIAKOU	4	4	4	3	4	4	4	-
0.035	605	JING JING	XIXIAKOU	4	4	4	4	4	4	4	-
0.018	502	WU GANG	YAAN BC	3	4	4	2	4	4	3	4
0.004	579	YANGYANG	YAAN BC	6	6	6	4	6	6	6	6
0.021	586	TONG TONG	YAAN BC	3	4	4	2	4	4	3	4
0.025	592	LAN ZI	YAAN BC	6	6	4	4	4	-	4	4
0.015	609	HUI HUI	YAAN BC	3	4	4	3	4	4	4	4
0.008	623	BAI YANG	YAAN BC	4	6	6	4	6	6	4	6
0.003	661	YI BAO	YAAN BC	6	6	6	4	6	6	6	6
0.013	674	XIANG GE	YAAN BC	4	4	4	3	4	4	4	4
0.022	689	WU JUN	YAAN BC	2	4	4	2	4	4	3	4
0.020	719	AN AN	YAAN BC	3	4	4	2	4	4	3	4
0.028	743	JIN KE	YAAN BC	4	4	4	3	4	4	4	4
0.013	748	XIANG LIN	YAAN BC	4	4	4	3	4	4	4	4
0.031	707	YOU YOU	YABULI	4	4	4	4	4	4	4	4
0.025	841	YUAN XIN	YONG IN	2	4	4	3	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	5	5	4	5	6	4	-
0.036	644	SHUANG ER	ZIBO YSH	4	-	6	4	6	5	4	-

MK				0.025	0.032	0.026	0.027	0.028	0.033	0.023	0.021
Females > Name				637	645	652	663	665	671	678	680
MK	Males	Name	Location	CHENPANDA							
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	4	-	3	3	4	3	2
0.022	620	WANG WANG	ADELAIDE	2	-	3	3	-	-	2	2
0.027	536	XIAO JIAO	ANJI BAMB	4	-	4	4	4	4	-	3
0.029	575	QING ZAI	ANJI BAMB	4	4	4	4	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	-	4	5	-	-	4	4
0.021	461	YANG YANG	ATLANTA	-	4	3	3	3	4	2	4
0.023	736	YUAN ZI	BEAUVILLE	4	4	2	4	4	4	6	4
0.040	394	DADI	BEIJING	4	5	4	4	4	5	4	4
0.029	496	GU GU	BEIJING	4	4	4	4	4	4	4	4
0.024	770	ER XI	CHANGSHA	4	4	4	-	4	4	4	-
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	4	-	4	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	4	-	4	4
0.007	342	XIAO PINGPING	CHENPANDA	4	6	4	6	6	6	4	-
0.021	386	KEBI	CHENPANDA	-	4	3	4	3	-	-	-
0.024	520	BINGDIAN	CHENPANDA	2	4	2	4	-	4	4	2
0.024	532	FUFU	CHENPANDA	2	4	2	4	4	4	2	2
0.031	540	XIONGBING	CHENPANDA	4	4	4	-	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	-	4	4	4	4
0.028	574	QIUBING	CHENPANDA	4	4	4	-	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	5	5	4	4	5	4	4
0.027	614	XINGBING	CHENPANDA	4	4	4	-	4	4	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	6	6	6	6	6	4	4
0.038	627	LE SHAN	CHENPANDA	4	-	4	5	-	-	4	4
0.028	649	MEI LAN	CHENPANDA	4	5	4	4	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	4	4	4	4	4	4	4	-
0.034	717	SHU XIANG	CHENPANDA	4	-	5	4	-	-	4	4
0.016	724	YING YING	CHENPANDA	4	4	3	4	4	-	4	-
0.023	731	XI LAN	CHENPANDA	4	4	2	4	4	4	4	4
0.029	738	YONG BING	CHENPANDA	4	4	4	-	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	4	4	4	4	4	4	6	-
0.026	792	DE DE	CHENPANDA	4	4	4	4	4	4	4	4
0.026	793	A BAO	CHENPANDA	4	4	4	4	4	4	4	4
0.032	825	LIU YI	CHENPANDA	4	4	4	4	4	-	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	4	4	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	3	6	3	3	6	6	3	2
0.032	424	LINGLING	CHONGQING	4	4	-	4	4	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	-	4	4	4	4	3
0.025	518	LONG SHENG	DAFENG	2	4	4	4	4	4	2	3
0.031	688	QING FENG	DAFENG	4	5	4	4	5	5	4	4
0.030	768	JIN HU	DALIAN	4	4	-	4	4	4	4	4
0.026	742	YUN YUN	DEQING	4	4	4	4	4	4	2	3
0.021	488	YUAN YUAN	DJYGP BC	3	4	3	-	3	4	2	2
0.024	492	PENG PENG	DJYGP BC	2	4	2	4	4	4	2	2
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	3	4	3	3	4	4	2	2

MK				0.025	0.032	0.026	0.027	0.028	0.033	0.023	0.021
Females > Name				637	645	652	663	665	671	678	680
MK	Males	Name	Location	CHENPANDA							
0.015	582	RONG RONG	DJYGP BC	3	4	4	4	4	4	3	3
0.022	595	TAI SHAN	DJYGP BC	2	4	3	4	4	4	4	2
0.026	746	XING RUI	DJYGP BC	4	4	4	4	4	4	2	3
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	2	4	4	4	4	4	2	3
0.025	747	XIANG LU	EMEI EP	4	4	4	4	4	4	4	3
0.026	758	LU LIN	EMEI EP	4	4	4	4	4	4	3	3
0.029	454	XIAO SHUANG	FUCHOW	4	4	4	4	4	4	4	4
0.025	525	LONG FEI	FUCHOW	4	4	4	4	4	4	2	3
0.029	538	LIN YANG	FUCHOW	4	4	4	4	4	4	4	3
0.032	646	JIAO XIAO	FUCHOW	4	-	4	4	-	-	-	4
0.037	815	QIAO QIAO	FUDE TJ	4	-	4	5	-	-	4	4
0.021	607	XI WANG	GENGDA BC	3	4	3	4	4	4	2	2
0.011	752	ZI YAN	GENGDA BC	4	6	4	4	4	6	4	4
0.012	775	AO AO	GENGDA BC	4	6	4	4	4	6	4	3
0.023	778	CAI TAO	GENGDA BC	2	4	2	4	4	4	2	2
0.027	790	SHAN HU	HANGZHOUW	4	4	4	4	4	4	3	3
0.029	515	LIANGLIANG	HEFEI W	4	4	4	4	4	4	4	4
0.030	633	TAO TAO	HUAYING	4	4	-	4	4	4	4	4
0.019	830	YUN TAO	HUAYING	3	4	3	3	4	4	3	2
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	4	4	3
0.024	685	FU LONG	LANGZHONG	2	4	4	4	4	4	2	2
0.026	852	HAN HAN	LINYI BG	4	4	4	4	4	4	3	3
0.025	714	NING NING	LIUGONGDA	4	4	4	4	4	4	2	3
0.027	662	MINGBING	LIUZHOU	4	4	4	-	4	4	4	4
0.034	666	SHU LING	LIUZHOU	4	-	5	4	-	-	4	4
0.035	851	SI YI	LONGTAN S	4	4	4	4	4	5	4	4
0.025	377	PING PING	LOUQUANTA	4	4	4	4	4	4	2	3
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	4	2	4	4	4	2	2
0.029	715	LELE	LOUQUANTA	4	4	4	4	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	-	4	4	4	4	4	4	4
0.026	519	BINGXING	MADRID Z	4	4	4	4	-	4	4	3
0.021	466	LELE	MEMPHIS	3	4	-	3	3	4	2	2
0.028	589	MEI LING	NANCHANG	4	4	-	4	4	4	4	3
0.022	772	ZHAO YANG	NANJING	2	4	2	3	4	4	2	2
0.026	786	QING SHAN	NANJING	4	4	4	4	4	4	3	3
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	4	4	4	3	3
0.026	745	XING HUI	PAIRI DAI	4	4	4	4	4	4	3	3
0.021	613	YOU YOU	PANYU	3	4	-	3	3	4	2	2
0.028	744	YIN KE	PANYU	4	4	4	4	4	4	4	3
0.025	751	SHEN WEI	PANYU	2	4	4	4	4	4	2	3
0.038	628	LE SHUI	QINGDAO	4	-	4	5	-	-	4	4
0.004	415	GAOGAO	SANDIEGOZ	6	6	6	6	6	6	4	4
0.020	842	XIAO LIWU	SANDIEGOZ	3	4	3	3	4	4	2	2

MK				0.025	0.032	0.026	0.027	0.028	0.033	0.023	0.021
Females > Name				637	645	652	663	665	671	678	680
MK	Males	Name	Location	CHENPANDA							
0.033	583	YA AO	SHANGHAI	4	4	-	4	4	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	4	4	3
0.022	769	JIAO QING	SHENZHEN	-	-	3	4	4	4	-	-
0.014	787	YUAN ZHOU	SHENZHEN	4	4	4	4	4	4	6	-
0.030	529	YA XIANG	SHIH CHIA	-	4	4	4	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	3	4	3	3	4	4	2	2
0.022	690	WU JIE	SINGAPORE	2	4	3	3	4	4	2	2
0.029	588	TUAN TUAN	TAIPEI	4	4	-	4	4	4	4	3
0.025	669	HUA AO	TIGER G	4	4	4	4	4	4	2	3
0.033	612	BI LI	TOKYOUENO	4	4	-	4	4	4	4	4
0.032	732	DA MAO	TORONTO	4	4	4	-	4	4	4	4
0.024	789	FU HU	TSINAN	2	4	4	4	4	4	2	2
0.016	526	LONG HUI	VIENNA	3	4	4	4	4	4	3	3
0.023	390	YONGMING	WAKAYAMA	2	4	2	-	4	4	2	2
0.029	782	HAI BING	WAKAYAMA	4	4	4	-	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	-	4	4	4	4	4	4	4
0.033	670	JI YOU	WENZHOU	4	-	4	4	-	-	4	4
0.026	503	LU LU	WOLONG	4	4	4	4	4	4	3	3
0.028	619	WEI WEI	WUHAN	4	4	-	4	4	4	4	3
0.037	630	WU YI	WUXI	4	-	4	5	-	-	4	4
0.025	668	HUA LONG	XIUNING	4	4	4	4	4	4	2	3
0.028	599	XIAN ZI	XIXIAKOU	4	-	-	4	-	-	4	3
0.035	605	JING JING	XIXIAKOU	4	-	4	4	-	-	4	4
0.018	502	WU GANG	YAAN BC	3	4	3	3	4	4	3	2
0.004	579	YANGYANG	YAAN BC	6	6	6	6	6	6	4	4
0.021	586	TONG TONG	YAAN BC	3	4	3	3	4	4	2	2
0.025	592	LAN ZI	YAAN BC	4	4	4	4	4	4	4	4
0.015	609	HUI HUI	YAAN BC	3	4	4	4	4	4	3	3
0.008	623	BAI YANG	YAAN BC	4	6	4	4	6	6	4	4
0.003	661	YI BAO	YAAN BC	6	6	6	6	6	6	4	4
0.013	674	XIANG GE	YAAN BC	4	4	4	4	4	6	3	3
0.022	689	WU JUN	YAAN BC	2	4	3	3	4	4	2	2
0.020	719	AN AN	YAAN BC	3	4	-	3	3	4	2	2
0.028	743	JIN KE	YAAN BC	4	5	4	4	4	5	4	3
0.013	748	XIANG LIN	YAAN BC	4	4	4	4	4	6	4	3
0.031	707	YOU YOU	YABULI	4	4	-	4	4	4	4	4
0.025	841	YUAN XIN	YONG IN	4	4	4	4	4	4	2	3
0.037	629	ZHEN DA	ZIBO YSH	4	-	4	5	-	-	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	-	4	4	-	-	4	4

MK				0.024	0.032	0.017	0.029	0.023	0.024	0.029	0.036
Females > Name				681	709	725	737	761	762	763	764
MK	Males	Name	Location	CHENPANDA							
0.001	327	AN AN	ABERDE HK	6	6	4	6	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	4	2	4	3	3	4	4
0.022	620	WANG WANG	ADELAIDE	2	4	3	4	2	2	4	-
0.027	536	XIAO JIAO	ANJI BAMB	6	4	4	4	4	4	4	5
0.029	575	QING ZAI	ANJI BAMB	-	5	4	4	4	4	6	-
0.037	780	ZHEN HAO	ANJI BAMB	4	5	6	5	4	4	4	-
0.021	461	YANG YANG	ATLANTA	4	4	4	4	4	4	4	4
0.023	736	YUAN ZI	BEAUVILLE	4	-	4	4	-	-	-	4
0.040	394	DADI	BEIJING	4	5	6	5	4	4	5	5
0.029	496	GU GU	BEIJING	4	4	4	4	4	4	4	4
0.024	770	ER XI	CHANGSHA	-	4	4	6	4	4	4	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	-	4	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	4	4	-	4	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	-	6	-	6	4	4	6	6
0.021	386	KEBI	CHENPANDA	3	4	-	4	2	2	3	4
0.024	520	BINGDIAN	CHENPANDA	-	4	3	4	2	2	4	5
0.024	532	FUFU	CHENPANDA	2	4	3	4	2	2	4	4
0.031	540	XIONGBING	CHENPANDA	4	5	4	-	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	-	4	4	4	4
0.028	574	QIUBING	CHENPANDA	4	5	4	-	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	-	6	4	-	-	-	5
0.027	614	XINGBING	CHENPANDA	4	4	4	-	4	4	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	6	4	6	4	4	6	6
0.038	627	LE SHAN	CHENPANDA	4	-	6	5	4	4	4	-
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	4	4	-	4	4	4	4	6
0.034	717	SHU XIANG	CHENPANDA	4	4	4	4	4	4	4	-
0.016	724	YING YING	CHENPANDA	4	4	-	4	4	4	4	4
0.023	731	XI LAN	CHENPANDA	4	4	3	4	4	4	4	4
0.029	738	YONG BING	CHENPANDA	4	5	4	-	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	6	4	-	4	3	4	4	6
0.026	792	DE DE	CHENPANDA	-	6	4	4	4	4	6	4
0.026	793	A BAO	CHENPANDA	-	6	4	4	4	4	6	4
0.032	825	LIU YI	CHENPANDA	4	5	-	4	4	4	5	4
0.001	831	LONG LONG	CHENPANDA	6	6	4	6	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	5	4	4	-	-	6	4
0.019	510	HUANGCHUAN	CHIANGMAI	3	4	2	4	3	3	4	6
0.032	424	LINGLING	CHONGQING	4	4	4	4	4	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	4	4	4	4	4
0.025	518	LONG SHENG	DAFENG	2	4	3	4	2	2	4	4
0.031	688	QING FENG	DAFENG	4	4	4	4	4	4	4	5
0.030	768	JIN HU	DALIAN	4	4	4	4	4	4	4	4
0.026	742	YUN YUN	DEQING	2	4	3	4	2	2	4	4
0.021	488	YUAN YUAN	DJYGP BC	2	4	3	-	2	2	3	4
0.024	492	PENG PENG	DJYGP BC	2	4	3	4	2	2	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	3	4	3	3	3	3	3	4

MK				0.024	0.032	0.017	0.029	0.023	0.024	0.029	0.036
Females > Name				681	709	725	737	761	762	763	764
MK	Males	Name	Location	CHENPANDA							
0.015	582	RONG RONG	DJYGP BC	3	4	1	4	3	3	4	6
0.022	595	TAI SHAN	DJYGP BC	2	4	3	4	2	2	4	4
0.026	746	XING RUI	DJYGP BC	2	4	3	4	2	2	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	2	4	3	4	2	2	4	4
0.025	747	XIANG LU	EMEI EP	2	4	3	4	2	2	4	4
0.026	758	LU LIN	EMEI EP	4	4	3	4	2	2	4	4
0.029	454	XIAO SHUANG	FUCHOW	-	5	4	4	4	4	6	-
0.025	525	LONG FEI	FUCHOW	2	4	3	4	2	2	4	4
0.029	538	LIN YANG	FUCHOW	4	4	4	4	4	4	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	4	4	-
0.037	815	QIAO QIAO	FUDE TJ	4	5	6	5	4	4	4	-
0.021	607	XI WANG	GENGDA BC	3	4	3	4	2	2	3	4
0.011	752	ZI YAN	GENGDA BC	4	6	2	4	4	4	4	6
0.012	775	AO AO	GENGDA BC	4	6	2	4	4	4	4	6
0.023	778	CAI TAO	GENGDA BC	2	4	3	4	2	2	4	4
0.027	790	SHAN HU	HANGZHOUW	4	4	4	4	4	4	4	4
0.029	515	LIANGLIANG	HEFEI W	-	5	4	4	4	4	6	-
0.030	633	TAO TAO	HUAYING	4	4	4	4	4	4	4	4
0.019	830	YUN TAO	HUAYING	3	4	2	4	3	3	4	4
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	4	4	4
0.024	685	FU LONG	LANGZHONG	2	4	3	4	2	2	4	4
0.026	852	HAN HAN	LINYI BG	4	4	3	4	2	2	4	4
0.025	714	NING NING	LIUGONGDA	2	4	3	4	2	2	4	5
0.027	662	MINGBING	LIUZHOU	4	4	4	-	4	4	4	4
0.034	666	SHU LING	LIUZHOU	4	4	4	4	4	4	4	-
0.035	851	SI YI	LONGTAN S	4	-	4	4	4	4	6	5
0.025	377	PING PING	LOUQUANTA	2	-	3	4	-	-	-	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	-	3	4	-	-	-	4
0.029	715	LELE	LOUQUANTA	4	-	4	4	-	-	-	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	-	4	4	-	-	-	4
0.026	519	BINGXING	MADRID Z	-	4	3	4	2	2	4	5
0.021	466	LELE	MEMPHIS	3	4	3	4	2	2	3	4
0.028	589	MEI LING	NANCHANG	4	4	4	4	4	4	4	4
0.022	772	ZHAO YANG	NANJING	2	4	3	4	2	2	4	4
0.026	786	QING SHAN	NANJING	4	4	3	4	2	2	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	4	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	3	4	2	2	4	4
0.021	613	YOU YOU	PANYU	2	4	3	4	2	2	3	4
0.028	744	YIN KE	PANYU	4	4	4	4	4	4	4	4
0.025	751	SHEN WEI	PANYU	2	4	3	4	2	2	4	4
0.038	628	LE SHUI	QINGDAO	4	-	6	5	4	4	4	-
0.004	415	GAOGAO	SANDIEGOZ	6	6	4	6	4	4	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	3	4	3	3	3	3	3	4

MK				0.024	0.032	0.017	0.029	0.023	0.024	0.029	0.036
Females > Name				681	709	725	737	761	762	763	764
MK	Males	Name	Location	CHENPANDA							
0.033	583	YA AO	SHANGHAI	4	4	4	4	4	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	4	4	4	4	2	2	4	4
0.014	787	YUAN ZHOU	SHENZHEN	6	4	-	4	3	4	4	6
0.030	529	YA XIANG	SHIH CHIA	6	5	4	5	4	4	-	6
0.020	749	YUN ZI	SHIH CHIA	3	4	3	3	3	3	3	4
0.022	690	WU JIE	SINGAPORE	2	4	3	4	2	2	4	4
0.029	588	TUAN TUAN	TAIPEI	4	4	4	4	4	4	4	4
0.025	669	HUA AO	TIGER G	2	4	3	4	2	2	4	4
0.033	612	BI LI	TOKYOUENO	4	4	4	4	4	4	4	4
0.032	732	DA MAO	TORONTO	4	5	4	-	4	4	5	4
0.024	789	FU HU	TSINAN	2	4	3	4	2	2	4	4
0.016	526	LONG HUI	VIENNA	3	4	1	4	3	3	4	6
0.023	390	YONGMING	WAKAYAMA	2	4	3	-	2	2	4	4
0.029	782	HAI BING	WAKAYAMA	4	5	4	-	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	6	5	4	5	4	4	-	6
0.033	670	JI YOU	WENZHOU	4	4	-	4	4	4	4	-
0.026	503	LU LU	WOLONG	4	4	4	4	2	4	4	4
0.028	619	WEI WEI	WUHAN	4	4	4	4	4	4	4	4
0.037	630	WU YI	WUXI	4	5	6	5	4	4	4	-
0.025	668	HUA LONG	XIUNING	2	4	3	4	2	2	4	4
0.028	599	XIAN ZI	XIXIAKOU	4	4	4	4	4	4	4	-
0.035	605	JING JING	XIXIAKOU	4	4	4	4	4	4	4	-
0.018	502	WU GANG	YAAN BC	3	4	2	4	3	3	4	4
0.004	579	YANGYANG	YAAN BC	6	6	4	6	4	4	6	6
0.021	586	TONG TONG	YAAN BC	3	4	3	4	2	2	3	4
0.025	592	LAN ZI	YAAN BC	4	4	4	4	4	4	4	4
0.015	609	HUI HUI	YAAN BC	3	4	1	4	3	3	4	6
0.008	623	BAI YANG	YAAN BC	4	6	3	6	4	4	6	6
0.003	661	YI BAO	YAAN BC	6	6	4	6	6	6	6	6
0.013	674	XIANG GE	YAAN BC	4	4	2	4	4	4	4	6
0.022	689	WU JUN	YAAN BC	2	4	3	4	2	2	4	4
0.020	719	AN AN	YAAN BC	3	4	2	4	3	3	3	4
0.028	743	JIN KE	YAAN BC	4	-	4	4	-	-	-	5
0.013	748	XIANG LIN	YAAN BC	4	4	2	4	4	4	4	6
0.031	707	YOU YOU	YABULI	4	4	4	4	4	4	4	4
0.025	841	YUAN XIN	YONG IN	2	4	3	4	2	2	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	5	6	5	4	4	4	-
0.036	644	SHUANG ER	ZIBO YSH	5	4	4	4	4	4	4	-

MK	Males	Name	Location	0.000	0.023	0.031	0.031	0.032	0.029	0.030	0.000
				765	801	818	819	824	853	855	990
				BEI CHUAN	A BAO(PO)	SHUANG XIN	SHUANG XI	CHENG DA	YUAN RUN	MIAO MIAO	ZHAO MEI
MK	Males	Name	Location	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA
0.001	327	AN AN	ABERDE HK	1	6	6	6	6	6	6	1
0.019	606	LE LE	ABERDE HK	3.5	3	4	4	4	4	4	3.5
0.022	620	WANG WANG	ADELAIDE	3.5	2	4	4	4	4	4	3.5
0.027	536	XIAO JIAO	ANJI BAMB	3.5	4	4	4	4	4	-	3.5
0.029	575	QING ZAI	ANJI BAMB	3.5	4	-	-	4	4	4	3.5
0.037	780	ZHEN HAO	ANJI BAMB	3.5	4	5	5	5	4	4	3.5
0.021	461	YANG YANG	ATLANTA	3.5	-	4	4	4	4	4	3.5
0.023	736	YUAN ZI	BEAUVILLE	3.5	4	4	4	6	-	6	3.5
0.040	394	DADI	BEIJING	3.5	4	5	5	5	5	5	3.5
0.029	496	GU GU	BEIJING	3.5	4	4	4	4	4	4	3.5
0.024	770	ER XI	CHANGSHA	3.5	4	6	6	4	4	4	3.5
0.025	857	CHENG SHUANG	CHANGSHA	3.5	2	4	4	-	4	4	3.5
0.025	858	CHENG DUI	CHANGSHA	3.5	2	4	4	-	4	4	3.5
0.007	342	XIAO PINGPING	CHENPANDA	2	4	6	6	6	6	6	2
0.021	386	KEBI	CHENPANDA	3.5	2	4	4	-	-	4	3.5
0.024	520	BINGDIAN	CHENPANDA	3.5	4	4	4	4	4	4	3.5
0.024	532	FUFU	CHENPANDA	3.5	2	4	4	4	4	4	3.5
0.031	540	XIONGBING	CHENPANDA	3.5	4	-	-	4	4	4	3.5
0.027	573	LONGBING	CHENPANDA	3.5	4	-	-	4	4	4	3.5
0.028	574	QIUBING	CHENPANDA	3.5	4	-	-	4	4	4	3.5
0.038	584	YONGYONG	CHENPANDA	3.5	4	5	5	-	-	-	3.5
0.027	614	XINGBING	CHENPANDA	3.5	4	-	-	4	4	4	3.5
0.006	624	QIAO QIAO	CHENPANDA	1	4	6	6	6	6	6	1
0.038	627	LE SHAN	CHENPANDA	3.5	4	5	5	5	4	4	3.5
0.028	649	MEI LAN	CHENPANDA	3.5	-	4	4	4	4	4	3.5
0.015	711	GONG ZI	CHENPANDA	3.5	3	4	4	4	4	4	3.5
0.034	717	SHU XIANG	CHENPANDA	3.5	4	4	4	5	5	5	3.5
0.016	724	YING YING	CHENPANDA	3.5	3	4	4	-	4	4	3.5
0.023	731	XI LAN	CHENPANDA	3.5	-	4	4	4	4	4	3.5
0.029	738	YONG BING	CHENPANDA	3.5	4	-	-	4	4	4	3.5
0.014	788	YUAN LIN	CHENPANDA	3.5	4	4	4	4	-	4	3.5
0.026	792	DE DE	CHENPANDA	3.5	4	4	4	4	4	4	3.5
0.026	793	A BAO	CHENPANDA	3.5	4	4	4	4	4	4	3.5
0.032	825	LIU YI	CHENPANDA	3.5	4	4	4	-	-	-	3.5
0.001	831	LONG LONG	CHENPANDA	1	6	6	6	6	6	6	1
0.029	839	AOLIAO	CHENPANDA	3.5	4	4	4	-	-	-	3.5
0.019	510	CHUANGCHUANG	CHIANGMAI	3.5	3	4	4	4	4	4	3.5
0.032	424	LINGLING	CHONGQING	3.5	4	4	4	5	5	5	3.5
0.029	513	LIANG LIANG	CHONGQING	3.5	4	4	4	4	4	4	3.5
0.025	518	LONG SHENG	DAFENG	3.5	2	4	4	4	4	4	3.5
0.031	688	QING FENG	DAFENG	3.5	4	4	4	4	4	4	3.5
0.030	768	JIN HU	DALIAN	3.5	4	4	4	4	4	4	3.5
0.026	742	YUN YUN	DEQING	3.5	2	4	4	4	4	4	3.5
0.021	488	YUAN YUAN	DJYGP BC	3.5	2	4	4	4	4	4	3.5
0.024	492	PENG PENG	DJYGP BC	3.5	2	4	4	4	4	4	3.5
0.000	542	DAI LI	DJYGP BC	1	3.5	3.5	3.5	3.5	3.5	3.5	1
0.020	563	MEISHENG	DJYGP BC	3.5	2	4	4	4	3	4	3.5

MK				0.000	0.023	0.031	0.031	0.032	0.029	0.030	0.000
Females >				765	801	818	819	824	853	855	990
Name				BEI CHUAN	A BAO(PO)	SHUANG XIN	SHUANG XI	CHENG DA	YUAN RUN	MIAO MIAO	ZHAO MEI
MK	Males	Name	Location	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA
0.015	582	RONG RONG	DJYGP BC	3.5	3	4	4	4	4	4	3.5
0.022	595	TAI SHAN	DJYGP BC	3.5	4	4	4	4	4	4	3.5
0.026	746	XING RUI	DJYGP BC	3.5	2	4	4	4	4	4	3.5
0.000	989	ZI JIN	DJYGP BC	1	3.5	3.5	3.5	3.5	3.5	3.5	1
0.025	564	YANGGUANG	EDINBURGH	3.5	2	4	4	4	4	4	3.5
0.025	747	XIANG LU	EMEI EP	3.5	4	4	4	4	4	4	3.5
0.026	758	LU LIN	EMEI EP	3.5	2	4	4	4	4	4	3.5
0.029	454	XIAO SHUANG	FUCHOW	3.5	4	-	-	4	4	4	3.5
0.025	525	LONG FEI	FUCHOW	3.5	2	4	4	4	4	4	3.5
0.029	538	LIN YANG	FUCHOW	3.5	4	4	4	4	4	4	3.5
0.032	646	JIAO XIAO	FUCHOW	3.5	4	4	4	4	4	-	3.5
0.037	815	QIAO QIAO	FUDE TJ	3.5	4	5	5	5	4	4	3.5
0.021	607	XI WANG	GENGDA BC	3.5	2	4	4	4	4	4	3.5
0.011	752	ZI YAN	GENGDA BC	3.5	4	6	6	6	4	4	3.5
0.012	775	AO AO	GENGDA BC	3.5	4	4	4	6	4	4	3.5
0.023	778	CAI TAO	GENGDA BC	3.5	2	4	4	4	4	4	3.5
0.027	790	SHAN HU	HANGZHOUW	3.5	4	4	4	4	4	4	3.5
0.029	515	LIANGLIANG	HEFEI W	3.5	4	-	-	4	4	4	3.5
0.030	633	TAO TAO	HUAYING	3.5	4	4	4	4	4	4	3.5
0.019	830	YUN TAO	HUAYING	3.5	3	4	4	4	4	4	3.5
0.028	639	FU WA	KUALA LUM	3.5	4	4	4	4	4	4	3.5
0.024	685	FU LONG	LANGZHONG	3.5	2	4	4	4	4	4	3.5
0.026	852	HAN HAN	LINYI BG	3.5	2	4	4	4	4	4	3.5
0.025	714	NING NING	LIUGONGDA	3.5	2	4	4	4	4	4	3.5
0.027	662	MINGBING	LIUZHOU	3.5	4	-	-	4	4	4	3.5
0.034	666	SHU LING	LIUZHOU	3.5	4	4	4	5	5	5	3.5
0.035	851	SI YI	LONGTAN S	3.5	4	5	5	-	-	-	3.5
0.025	377	PING PING	LOUQUANTA	3.5	2	4	4	-	-	-	3.5
0.000	703	ABAQ	LOUQUANTA	1	3.5	3.5	3.5	3.5	3.5	3.5	1
0.023	713	QIN CHUAN	LOUQUANTA	3.5	2	4	4	4	4	4	3.5
0.029	715	LELE	LOUQUANTA	3.5	4	4	4	5	4	5	3.5
0.000	802	QI ZAI	LOUQUANTA	1	3.5	3.5	3.5	3.5	3.5	3.5	1
0.000	803	ER LANG	LOUQUANTA	1	3.5	3.5	3.5	3.5	3.5	3.5	1
0.028	726	KAI KAI	MACAO CMA	3.5	4	4	4	5	4	4	3.5
0.026	519	BINGXING	MADRID Z	3.5	4	4	4	4	4	4	3.5
0.021	466	LELE	MEMPHIS	3.5	2	4	4	4	4	4	3.5
0.028	589	MEI LING	NANCHANG	3.5	4	4	4	4	4	4	3.5
0.022	772	ZHAO YANG	NANJING	3.5	2	4	4	4	4	4	3.5
0.026	786	QING SHAN	NANJING	3.5	2	4	4	4	4	4	3.5
0.027	458	TIAN TIAN	NZP-WASH	3.5	4	4	4	4	4	4	3.5
0.026	745	XING HUI	PAIRI DAI	3.5	2	4	4	4	4	4	3.5
0.021	613	YOU YOU	PANYU	3.5	2	4	4	4	4	4	3.5
0.028	744	YIN KE	PANYU	3.5	4	4	4	4	4	4	3.5
0.025	751	SHEN WEI	PANYU	3.5	2	4	4	4	4	4	3.5
0.038	628	LE SHUI	QINGDAO	3.5	4	5	5	5	4	4	3.5
0.004	415	GAOGAO	SANDIEGOZ	1	4	6	6	6	6	6	1
0.020	842	XIAO LIWU	SANDIEGOZ	3.5	2	4	4	4	3	4	3.5

MK				0.000	0.023	0.031	0.031	0.032	0.029	0.030	0.000
Females >				765	801	818	819	824	853	855	990
Name				BEI CHUAN	A BAO(PO)	SHUANG XIN	SHUANG XI	CHENG DA	YUAN RUN	MIAO MIAO	ZHAO MEI
MK	Males	Name	Location	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA
0.033	583	YA AO	SHANGHAI	3.5	4	4	4	4	4	4	3.5
0.028	721	AO YUN	SHENNONGJ	3.5	4	4	4	4	4	4	3.5
0.022	769	JIAO QING	SHENZHEN	3.5	4	4	4	4	6	-	3.5
0.014	787	YUAN ZHOU	SHENZHEN	3.5	4	4	4	4	-	4	3.5
0.030	529	YA XIANG	SHIH CHIA	3.5	4	6	6	4	4	4	3.5
0.020	749	YUN ZI	SHIH CHIA	3.5	2	4	4	4	3	4	3.5
0.022	690	WU JIE	SINGAPORE	3.5	2	4	4	4	4	4	3.5
0.029	588	TUAN TUAN	TAIPEI	3.5	4	4	4	4	4	4	3.5
0.025	669	HUA AO	TIGER G	3.5	2	4	4	4	4	4	3.5
0.033	612	BI LI	TOKYOUENO	3.5	4	4	4	4	4	4	3.5
0.032	732	DA MAO	TORONTO	3.5	4	-	-	4	4	4	3.5
0.024	789	FU HU	TSINAN	3.5	2	4	4	4	4	4	3.5
0.016	526	LONG HUI	VIENNA	3.5	3	4	4	4	4	4	3.5
0.023	390	YONGMING	WAKAYAMA	3.5	2	-	-	4	4	4	3.5
0.029	782	HAI BING	WAKAYAMA	3.5	4	-	-	4	4	4	3.5
0.030	636	HUAN HUAN	WENLING S	3.5	4	4	4	4	4	4	3.5
0.030	530	YA GUANG	WENZHOU	3.5	4	6	6	4	4	4	3.5
0.033	670	JI YOU	WENZHOU	3.5	4	4	4	-	4	4	3.5
0.026	503	LU LU	WOLONG	3.5	3	4	4	4	4	4	3.5
0.028	619	WEI WEI	WUHAN	3.5	4	4	4	4	4	4	3.5
0.037	630	WU YI	WUXI	3.5	4	5	5	5	4	4	3.5
0.025	668	HUA LONG	XIUNING	3.5	2	4	4	4	4	4	3.5
0.028	599	XIAN ZI	XIXIAKOU	3.5	4	4	4	4	4	4	3.5
0.035	605	JING JING	XIXIAKOU	3.5	4	4	4	4	4	4	3.5
0.018	502	WU GANG	YAAN BC	3.5	3	4	4	4	4	4	3.5
0.004	579	YANGYANG	YAAN BC	1	4	6	6	6	6	6	1
0.021	586	TONG TONG	YAAN BC	3.5	2	4	4	4	4	4	3.5
0.025	592	LAN ZI	YAAN BC	3.5	4	4	4	4	4	4	3.5
0.015	609	HUI HUI	YAAN BC	3.5	3	4	4	4	4	4	3.5
0.008	623	BAI YANG	YAAN BC	2	4	6	6	6	6	6	2
0.003	661	YI BAO	YAAN BC	1	6	6	6	6	6	6	1
0.013	674	XIANG GE	YAAN BC	3.5	4	4	4	4	4	4	3.5
0.022	689	WU JUN	YAAN BC	3.5	2	4	4	4	4	4	3.5
0.020	719	AN AN	YAAN BC	3.5	3	4	4	4	4	4	3.5
0.028	743	JIN KE	YAAN BC	3.5	4	4	4	5	4	4	3.5
0.013	748	XIANG LIN	YAAN BC	3.5	4	4	4	4	4	4	3.5
0.031	707	YOU YOU	YABULI	3.5	4	4	4	4	4	4	3.5
0.025	841	YUAN XIN	YONG IN	3.5	2	4	4	4	4	4	3.5
0.037	629	ZHEN DA	ZIBO YSH	3.5	4	5	5	5	4	4	3.5
0.036	644	SHUANG ER	ZIBO YSH	3.5	4	-	-	4	4	4	3.5

MK				0.029	0.032	0.030	0.033	0.033	0.028	0.031	0.019	0.028
Females > Name				539	493	548	648	829	774	781	601	632
MK	Males	Name	Location	CHIANGMAI	CHONGQING	CHONGQING	CHONGQING	CHONGQING	DALIAN	DALIAN	DEQING	DJYGP BC
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	6	6	4	6
0.019	606	LE LE	ABERDE HK	4	4	4	-	-	4	4	2	3
0.022	620	WANG WANG	ADELAIDE	4	4	4	4	4	4	4	4	4
0.027	536	XIAO JIAO	ANJI BAMB	4	-	4	5	5	4	4	3	4
0.029	575	QING ZAI	ANJI BAMB	4	-	4	6	6	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	5	4	5	5	4	4	4	4
0.021	461	YANG YANG	ATLANTA	4	-	4	4	4	3	4	2	3
0.023	736	YUAN ZI	BEAUVILLE	4	4	4	4	4	4	4	3	4
0.040	394	DADI	BEIJING	6	5	-	5	5	5	5	6	5
0.029	496	GU GU	BEIJING	-	4	4	4	4	4	4	4	4
0.024	770	ER XI	CHANGSHA	4	4	4	4	4	4	4	3	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	4	4	4	3	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	4	4	4	3	4
0.007	342	XIAO PINGPING	CHENPANDA	6	6	6	6	6	6	6	4	6
0.021	386	KEBI	CHENPANDA	3	4	4	4	4	3	4	2	3
0.024	520	BINGDIAN	CHENPANDA	4	-	4	4	4	4	4	3	4
0.024	532	FUFU	CHENPANDA	4	4	4	4	4	4	4	4	4
0.031	540	XIONGBING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	4	4	4	4	3	4
0.028	574	QIUBING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	5	4	5	5	4	4	4	4
0.027	614	XINGBING	CHENPANDA	4	4	4	4	4	4	4	3	4
0.006	624	QIAO QIAO	CHENPANDA	6	6	6	6	6	6	6	4	6
0.038	627	LE SHAN	CHENPANDA	4	5	4	5	5	4	4	4	4
0.028	649	MEI LAN	CHENPANDA	4	5	4	4	4	4	4	3	4
0.015	711	GONG ZI	CHENPANDA	4	4	4	4	4	4	4	3	4
0.034	717	SHU XIANG	CHENPANDA	4	4	4	5	5	4	4	4	4
0.016	724	YING YING	CHENPANDA	4	4	4	4	4	4	4	2	4
0.023	731	XI LAN	CHENPANDA	4	4	4	4	4	4	4	3	4
0.029	738	YONG BING	CHENPANDA	4	5	4	4	4	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	4	4	4	4	4	4	4	2	4
0.026	792	DE DE	CHENPANDA	4	4	4	4	4	4	4	3	4
0.026	793	A BAO	CHENPANDA	4	4	4	4	4	4	4	3	4
0.032	825	LIU YI	CHENPANDA	4	4	4	4	4	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	6	6	4	6
0.029	839	AOLIAO	CHENPANDA	4	5	4	5	5	4	4	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	4	4	4	4	4	3	4	4	3
0.032	424	LINGLING	CHONGQING	4	4	4	-	-	4	-	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	-	4	4	4	4	4	4
0.025	518	LONG SHENG	DAFENG	4	4	6	4	4	4	4	4	4
0.031	688	QING FENG	DAFENG	6	4	6	4	4	4	4	4	4
0.030	768	JIN HU	DALIAN	4	4	4	-	-	4	5	4	4
0.026	742	YUN YUN	DEQING	6	4	4	4	4	4	4	-	4
0.021	488	YUAN YUAN	DJYGP BC	4	4	4	4	4	3	4	2	3
0.024	492	PENG PENG	DJYGP BC	6	4	4	4	4	4	4	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	4	4	4	4	4	4

MK				0.029	0.032	0.030	0.033	0.033	0.028	0.031	0.019	0.028
Females > Name				539	493	548	648	829	774	781	601	632
MK	Males	Name	Location	CHIANGMAI	CHONGQING	CHONGQING	CHONGQING	CHONGQING	DALIAN	DALIAN	DEQING	DJYGP BC
0.015	582	RONG RONG	DJYGP BC	4	4	4	4	4	4	4	4	-
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	4	4	4	4	4
0.026	746	XING RUI	DJYGP BC	4	4	4	4	4	-	-	3	-
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	6	4	4	4	4	4	4	4	4
0.025	747	XIANG LU	EMEI EP	4	4	4	4	4	-	-	3	-
0.026	758	LU LIN	EMEI EP	6	4	4	4	4	-	-	4	-
0.029	454	XIAO SHUANG	FUCHOW	4	-	4	6	6	4	4	4	4
0.025	525	LONG FEI	FUCHOW	4	4	6	4	4	6	4	4	6
0.029	538	LIN YANG	FUCHOW	-	4	4	4	4	4	4	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	5	4	5	5	4	4	4	4
0.021	607	XI WANG	GENGDA BC	4	4	4	4	4	4	4	4	4
0.011	752	ZI YAN	GENGDA BC	4	6	4	6	6	4	4	3	4
0.012	775	AO AO	GENGDA BC	4	6	4	6	6	4	4	-	4
0.023	778	CAI TAO	GENGDA BC	4	4	4	4	4	4	4	3	4
0.027	790	SHAN HU	HANGZHOUW	6	4	4	4	4	4	4	3	4
0.029	515	LIANGLIANG	HEFEI W	4	-	4	6	6	4	4	4	4
0.030	633	TAO TAO	HUAYING	4	4	4	-	-	4	5	4	4
0.019	830	YUN TAO	HUAYING	4	4	4	4	4	-	4	4	4
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	-	-	4	-
0.024	685	FU LONG	LANGZHONG	6	4	6	4	4	4	4	4	4
0.026	852	HAN HAN	LINYI BG	6	4	4	4	4	-	-	4	-
0.025	714	NING NING	LIUGONGDA	4	4	4	4	4	-	-	3	-
0.027	662	MINGBING	LIUZHOU	4	4	4	4	4	4	4	3	4
0.034	666	SHU LING	LIUZHOU	4	4	4	5	5	4	4	4	4
0.035	851	SI YI	LONGTAN S	4	5	4	5	5	4	4	4	4
0.025	377	PING PING	LOUQUANTA	4	4	4	4	4	4	4	3	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	4	4	4	4	4	4	4	4	4
0.029	715	LELE	LOUQUANTA	4	-	4	5	5	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	-	4	5	5	4	4	3	4
0.026	519	BINGXING	MADRID Z	4	-	4	4	4	4	4	3	4
0.021	466	LELE	MEMPHIS	3	4	4	-	-	3	4	2	3
0.028	589	MEI LING	NANCHANG	4	4	4	-	-	4	4	3	4
0.022	772	ZHAO YANG	NANJING	6	4	4	4	4	4	4	-	4
0.026	786	QING SHAN	NANJING	4	4	6	4	4	4	4	3	4
0.027	458	TIAN TIAN	NZP-WASH	6	4	4	4	4	-	4	4	-
0.026	745	XING HUI	PAIRI DAI	4	4	4	4	4	-	-	3	-
0.021	613	YOU YOU	PANYU	4	4	4	-	-	3	4	2	3
0.028	744	YIN KE	PANYU	4	4	4	4	4	-	-	3	-
0.025	751	SHEN WEI	PANYU	4	4	4	4	4	4	4	4	4
0.038	628	LE SHUI	QINGDAO	4	5	4	5	5	4	4	4	4
0.004	415	GAOGAO	SANDIEGOZ	6	6	6	6	6	6	6	4	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	4	4	4	4	4	4

MK				0.029	0.032	0.030	0.033	0.033	0.028	0.031	0.019	0.028
Females > Name				539	493	548	648	829	774	781	601	632
MK	Males	Name	Location	CHIANGMAI	CHONGQING	CHONGQING	CHONGQING	CHONGQING	DALIAN	DALIAN	DEQING	DJYGP BC
0.033	583	YA AO	SHANGHAI	6	4	4	-	-	4	-	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	-	-	4	-
0.022	769	JIAO QING	SHENZHEN	4	4	4	4	4	4	4	2	4
0.014	787	YUAN ZHOU	SHENZHEN	4	4	4	4	4	4	4	2	4
0.030	529	YA XIANG	SHIH CHIA	4	-	4	-	-	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	4	4	4	4	4	4	4	4
0.022	690	WU JIE	SINGAPORE	6	4	4	4	4	4	4	-	4
0.029	588	TUAN TUAN	TAIPEI	4	4	4	-	-	4	5	4	4
0.025	669	HUA AO	TIGER G	4	4	4	4	4	-	-	3	-
0.033	612	BI LI	TOKYOUENO	6	4	4	-	-	4	-	4	4
0.032	732	DA MAO	TORONTO	4	-	4	5	5	4	4	4	4
0.024	789	FU HU	TSINAN	6	4	6	4	4	4	4	4	4
0.016	526	LONG HUI	VIENNA	-	4	4	4	4	4	4	4	4
0.023	390	YONGMING	WAKAYAMA	4	4	4	4	4	4	4	3	4
0.029	782	HAI BING	WAKAYAMA	4	5	4	4	4	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	6	4	4	4	4	-	-	4	-
0.030	530	YA GUANG	WENZHOU	4	-	4	-	-	4	4	4	4
0.033	670	JI YOU	WENZHOU	4	4	4	4	4	4	4	4	4
0.026	503	LU LU	WOLONG	4	4	4	4	4	-	-	3	-
0.028	619	WEI WEI	WUHAN	4	4	4	-	-	4	4	3	4
0.037	630	WU YI	WUXI	4	5	4	5	5	4	4	4	4
0.025	668	HUA LONG	XIUNING	4	4	4	4	4	-	-	3	-
0.028	599	XIAN ZI	XIXIAKOU	4	4	-	4	4	4	4	4	4
0.035	605	JING JING	XIXIAKOU	6	4	5	4	4	-	4	4	5
0.018	502	WU GANG	YAAN BC	4	4	4	4	4	4	4	-	4
0.004	579	YANGYANG	YAAN BC	6	6	6	6	6	6	6	4	6
0.021	586	TONG TONG	YAAN BC	4	4	4	4	4	4	4	4	4
0.025	592	LAN ZI	YAAN BC	4	4	4	4	4	4	4	3	4
0.015	609	HUI HUI	YAAN BC	4	4	4	4	4	4	4	3	4
0.008	623	BAI YANG	YAAN BC	6	6	6	6	6	6	6	4	6
0.003	661	YI BAO	YAAN BC	6	6	6	6	6	6	6	4	6
0.013	674	XIANG GE	YAAN BC	4	4	4	4	4	4	4	-	4
0.022	689	WU JUN	YAAN BC	6	4	4	4	4	4	4	-	4
0.020	719	AN AN	YAAN BC	3	4	4	-	-	3	4	2	3
0.028	743	JIN KE	YAAN BC	4	4	4	4	4	4	4	3	4
0.013	748	XIANG LIN	YAAN BC	4	4	4	4	4	4	4	2	4
0.031	707	YOU YOU	YABULI	5	4	4	-	-	4	5	4	4
0.025	841	YUAN XIN	YONG IN	4	4	4	4	4	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	5	4	5	5	4	4	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	6	4	5	5	4	4	4	4

MK				0.024	0.015	0.027	0.032	0.035	0.031	0.029	0.025	0.025
Females > Name				810	569	704	477	820	708	432	495	672
MK	Males	Name	Location	YUN DUO	TIAN TIAN	PING PING	GONGZHU	XING MEI	HAN YUAN	FEI FEI	YE YE	JIN XIN
DJYGP BC	EDINBURGH	EMEI EP	FUCHOW	FUDE TJ	GANZHOU F	GENGDA BC	GENGDA BC	GENGDA BC				
0.001	327	AN AN	ABERDE HK	6	4	6	6	6	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	3	3	4	4	-	4	3	3
0.022	620	WANG WANG	ADELAIDE	4	3	4	4	4	4	4	4	4
0.027	536	XIAO JIAO	ANJI BAMB	4	4	4	4	5	4	4	4	4
0.029	575	QING ZAI	ANJI BAMB	4	4	4	4	6	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	6	5	5	5	4	4	4	4
0.021	461	YANG YANG	ATLANTA	2	3	3	4	4	4	4	3	3
0.023	736	YUAN ZI	BEAUVILLE	2	3	4	4	4	4	4	2	2
0.040	394	DADI	BEIJING	5	6	-	-	5	5	-	5	5
0.029	496	GU GU	BEIJING	4	4	4	-	4	5	-	-	4
0.024	770	ER XI	CHANGSHA	2	4	4	4	4	4	4	2	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	4	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	4	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	4	3	6	6	6	6	6	4	4
0.021	386	KEBI	CHENPANDA	3	3	3	4	4	4	4	3	3
0.024	520	BINGDIAN	CHENPANDA	2	3	4	4	4	4	4	2	2
0.024	532	FUFU	CHENPANDA	4	3	4	6	4	4	4	4	4
0.031	540	XIONGBING	CHENPANDA	4	6	4	4	4	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	6	4	4	4	4	4	4	4
0.028	574	QIUBING	CHENPANDA	4	6	4	4	4	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	6	4	5	-	5	4	4	4
0.027	614	XINGBING	CHENPANDA	4	6	4	4	4	4	4	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	3	6	6	6	6	6	4	4
0.038	627	LE SHAN	CHENPANDA	4	6	5	5	5	5	4	4	4
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	4	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	3	1	4	4	4	4	4	3	3
0.034	717	SHU XIANG	CHENPANDA	4	4	5	4	5	5	4	4	4
0.016	724	YING YING	CHENPANDA	3	1	4	4	4	4	4	3	3
0.023	731	XI LAN	CHENPANDA	2	3	3	4	4	4	4	2	2
0.029	738	YONG BING	CHENPANDA	4	6	4	4	4	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	4	1	4	4	6	4	4	4	4
0.026	792	DE DE	CHENPANDA	2	4	4	4	5	4	4	4	4
0.026	793	A BAO	CHENPANDA	2	4	4	4	5	4	4	4	4
0.032	825	LIU YI	CHENPANDA	4	4	4	4	-	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	4	6	6	6	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	-	4	4	4	4
0.019	510	CHUANGCHUANG	CHIANGMAI	3	3	6	4	4	4	4	4	3
0.032	424	LINGLING	CHONGQING	4	4	4	4	5	-	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	-	4	4	4	4	4
0.025	518	LONG SHENG	DAFENG	4	4	6	-	4	4	4	4	4
0.031	688	QING FENG	DAFENG	4	4	-	6	4	-	6	4	4
0.030	768	JIN HU	DALIAN	4	4	4	5	4	-	4	4	4
0.026	742	YUN YUN	DEQING	-	4	4	-	4	4	4	4	4
0.021	488	YUAN YUAN	DJYGP BC	2	-	3	4	4	4	4	3	-
0.024	492	PENG PENG	DJYGP BC	4	3	4	4	4	4	-	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	3	4	4	4	4	4	4	4

MK Females > Name				0.024	0.015	0.027	0.032	0.035	0.031	0.029	0.025	0.025
MK	Males	Name	Location	810	569	704	477	820	708	432	495	672
				YUN DUO	TIAN TIAN	PING PING	GONGZHU	XING MEI	HAN YUAN	FEI FEI	YE YE	JIN XIN
				DJYGP BC	EDINBURGH	EMEI EP	FUCHOW	FUDE TJ	GANZHOU F	GENGDA BC	GENGDA BC	GENGDA BC
0.015	582	RONG RONG	DJYGP BC	-	1	4	4	6	4	-	4	4
0.022	595	TAI SHAN	DJYGP BC	4	3	4	4	4	4	-	4	4
0.026	746	XING RUI	DJYGP BC	4	4	4	4	4	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	4	4	4	-	4	4
0.025	747	XIANG LU	EMEI EP	2	4	4	4	4	4	4	2	4
0.026	758	LU LIN	EMEI EP	4	4	4	4	4	4	4	-	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	4	4	6	4	4	4	4
0.025	525	LONG FEI	FUCHOW	6	4	4	-	4	4	-	4	6
0.029	538	LIN YANG	FUCHOW	4	4	4	-	4	5	6	-	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	6	5	5	5	4	4	4	4
0.021	607	XI WANG	GENGDA BC	4	-	4	4	4	-	4	4	4
0.011	752	ZI YAN	GENGDA BC	4	6	4	6	6	4	4	4	-
0.012	775	AO AO	GENGDA BC	-	2	4	6	6	4	4	4	4
0.023	778	CAI TAO	GENGDA BC	4	6	4	4	4	4	4	4	-
0.027	790	SHAN HU	HANGZHOUW	4	6	4	-	4	4	4	4	-
0.029	515	LIANGLIANG	HEFEI W	4	4	4	4	6	4	4	4	4
0.030	633	TAO TAO	HUAYING	4	4	4	5	4	-	4	4	4
0.019	830	YUN TAO	HUAYING	4	3	4	4	4	4	-	4	4
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	-	4	4	4
0.024	685	FU LONG	LANGZHONG	4	3	4	-	4	4	4	6	4
0.026	852	HAN HAN	LINYI BG	4	4	4	4	4	4	4	-	4
0.025	714	NING NING	LIUGONGDA	2	4	4	4	4	4	4	2	4
0.027	662	MINGBING	LIUZHOU	4	6	4	4	4	4	4	4	4
0.034	666	SHU LING	LIUZHOU	4	4	5	4	5	5	4	4	4
0.035	851	SI YI	LONGTAN S	4	6	4	4	-	4	4	4	4
0.025	377	PING PING	LOUQUANTA	2	4	4	4	-	4	4	2	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	3	4	4	4	4	4	4	2
0.029	715	LELE	LOUQUANTA	4	4	4	4	-	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	4	4	-	4	4	4	4
0.026	519	BINGXING	MADRID Z	2	4	4	4	5	4	4	4	4
0.021	466	LELE	MEMPHIS	3	3	3	4	4	-	4	3	3
0.028	589	MEI LING	NANCHANG	4	4	4	4	4	-	4	4	4
0.022	772	ZHAO YANG	NANJING	-	3	4	6	4	4	4	4	4
0.026	786	QING SHAN	NANJING	4	6	4	4	4	4	4	4	-
0.027	458	TIAN TIAN	NZP-WASH	-	4	4	5	4	4	-	4	6
0.026	745	XING HUI	PAIRI DAI	4	4	4	4	4	4	4	4	4
0.021	613	YOU YOU	PANYU	2	3	3	4	4	-	4	3	3
0.028	744	YIN KE	PANYU	4	4	4	5	4	4	4	4	4
0.025	751	SHEN WEI	PANYU	4	-	4	4	4	4	4	4	4
0.038	628	LE SHUI	QINGDAO	4	6	5	5	5	5	4	4	4
0.004	415	GAOGAO	SANDIEGOZ	6	4	6	6	6	6	6	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	3	4	4	4	4	4	4	4

MK Females > Name				0.024	0.015	0.027	0.032	0.035	0.031	0.029	0.025	0.025
MK	Males	Name	Location	810	569	704	477	820	708	432	495	672
				YUN DUO	TIAN TIAN	PING PING	GONGZHU	XING MEI	HAN YUAN	FEI FEI	YE YE	JIN XIN
DJYGP BC	EDINBURGH	EMEI EP	FUCHOW	FUDE TJ	GANZHOU F	GENGDA BC	GENGDA BC	GENGDA BC				
0.033	583	YA AO	SHANGHAI	4	4	4	-	4	-	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	4	-	4	4
0.022	769	JIAO QING	SHENZHEN	2	3	3	4	4	4	4	2	2
0.014	787	YUAN ZHOU	SHENZHEN	4	1	4	4	6	4	4	4	4
0.030	529	YA XIANG	SHIH CHIA	4	4	4	4	-	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	3	4	4	4	4	4	4	4
0.022	690	WU JIE	SINGAPORE	-	3	4	4	4	4	4	-	4
0.029	588	TUAN TUAN	TAIPEI	4	4	4	4	4	-	4	4	4
0.025	669	HUA AO	TIGER G	4	4	4	4	4	4	4	4	4
0.033	612	BI LI	TOKYOUENO	4	4	4	-	4	-	4	4	4
0.032	732	DA MAO	TORONTO	4	4	4	4	5	4	4	4	4
0.024	789	FU HU	TSINAN	4	3	4	-	4	4	4	6	4
0.016	526	LONG HUI	VIENNA	3	1	4	-	4	4	4	-	3
0.023	390	YONGMING	WAKAYAMA	2	-	3	4	4	4	4	2	-
0.029	782	HAI BING	WAKAYAMA	4	6	4	4	4	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	-	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	4	4	4	4	-	4	4	4	4
0.033	670	JI YOU	WENZHOU	4	4	5	4	4	4	4	4	4
0.026	503	LU LU	WOLONG	4	4	4	4	4	4	4	4	4
0.028	619	WEI WEI	WUHAN	4	4	4	4	4	-	4	4	4
0.037	630	WU YI	WUXI	4	6	5	5	5	4	4	4	4
0.025	668	HUA LONG	XIUNING	4	4	4	4	4	4	4	4	4
0.028	599	XIAN ZI	XIXIAKOU	4	4	4	4	4	4	4	4	4
0.035	605	JING JING	XIXIAKOU	4	6	5	4	5	4	-	5	5
0.018	502	WU GANG	YAAN BC	-	1	3	4	4	4	4	3	3
0.004	579	YANGYANG	YAAN BC	4	4	6	6	6	6	6	6	6
0.021	586	TONG TONG	YAAN BC	4	3	4	4	4	4	4	4	4
0.025	592	LAN ZI	YAAN BC	2	3	4	4	4	4	4	2	2
0.015	609	HUI HUI	YAAN BC	4	1	4	4	6	4	4	4	4
0.008	623	BAI YANG	YAAN BC	4	3	4	6	6	6	6	4	4
0.003	661	YI BAO	YAAN BC	6	4	6	6	6	6	6	6	6
0.013	674	XIANG GE	YAAN BC	-	1	4	4	6	4	4	4	4
0.022	689	WU JUN	YAAN BC	-	3	4	4	4	4	4	-	4
0.020	719	AN AN	YAAN BC	3	3	3	4	4	-	4	3	3
0.028	743	JIN KE	YAAN BC	4	4	4	4	5	4	4	4	4
0.013	748	XIANG LIN	YAAN BC	4	6	4	4	6	4	4	4	-
0.031	707	YOU YOU	YABULI	4	4	4	4	4	-	5	4	4
0.025	841	YUAN XIN	YONG IN	4	6	4	4	4	-	4	4	-
0.037	629	ZHEN DA	ZIBO YSH	4	6	5	5	5	4	4	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	6	5	4	5	4	4	4	4

MK				0.021	0.018	0.004	0.004	0.032	0.032	0.033	0.013
Females > Name				694	784	837	838	821	822	611	434
MK	Males	Name	Location	ZHEN ZHEN	XIAO BAITU	YI RAN	YI CHANG	HE QI	HE MEI	LI LI	SHUANGSHUANG
GENGDA BC	GENGDA BC	GENGDA BC	GENGDA BC	GUIZHOU W	GUIZHOU W	HANGZHOUW	KOBE PARK				
0.001	327	AN AN	ABERDE HK	6	4	1	1	6	6	6	4
0.019	606	LE LE	ABERDE HK	2	2	4	4	4	4	-	2
0.022	620	WANG WANG	ADELAIDE	4	3	4	4	-	-	4	3
0.027	536	XIAO JIAO	ANJI BAMB	3	4	6	6	4	4	4	4
0.029	575	QING ZAI	ANJI BAMB	3	4	6	6	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	4	6	6	-	-	5	6
0.021	461	YANG YANG	ATLANTA	2	3	4	4	4	4	4	-
0.023	736	YUAN ZI	BEAUVILLE	2	3	4	4	4	4	4	4
0.040	394	DADI	BEIJING	-	6	6	6	5	5	-	-
0.029	496	GU GU	BEIJING	4	4	6	6	4	4	6	4
0.024	770	ER XI	CHANGSHA	3	4	6	6	4	4	4	4
0.025	857	CHENG SHUANG	CHANGSHA	4	3	6	6	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	4	3	6	6	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	4	4	1	1	6	6	6	2
0.021	386	KEBI	CHENPANDA	2	2	4	4	-	-	4	3
0.024	520	BINGDIAN	CHENPANDA	2	3	4	4	4	4	4	4
0.024	532	FUFU	CHENPANDA	4	3	4	4	4	4	4	4
0.031	540	XIONGBING	CHENPANDA	4	4	6	6	4	4	4	4
0.027	573	LONGBING	CHENPANDA	3	4	6	6	4	4	4	4
0.028	574	QIUBING	CHENPANDA	3	4	6	6	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	6	6	6	5	5	5	6
0.027	614	XINGBING	CHENPANDA	3	4	6	6	4	4	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	4	1	1	6	6	6	3
0.038	627	LE SHAN	CHENPANDA	4	6	6	6	-	-	5	6
0.028	649	MEI LAN	CHENPANDA	3	4	6	6	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	3	1	4	4	-	-	4	1
0.034	717	SHU XIANG	CHENPANDA	4	4	6	6	-	-	5	6
0.016	724	YING YING	CHENPANDA	3	2	4	4	4	4	4	2
0.023	731	XI LAN	CHENPANDA	2	3	4	4	4	4	4	4
0.029	738	YONG BING	CHENPANDA	3	4	6	6	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	3	2	4	4	4	4	4	1
0.026	792	DE DE	CHENPANDA	3	3	6	6	4	4	4	4
0.026	793	A BAO	CHENPANDA	3	3	6	6	4	4	4	4
0.032	825	LIU YI	CHENPANDA	4	4	6	6	5	5	4	4
0.001	831	LONG LONG	CHENPANDA	4	4	1	1	6	6	6	4
0.029	839	AOLIAO	CHENPANDA	3	4	6	6	4	4	4	4
0.019	510	CHUANGCHUANG	CHIANGMAI	2	2	4	4	6	6	4	3
0.032	424	LINGLING	CHONGQING	4	4	6	6	4	4	-	4
0.029	513	LIANG LIANG	CHONGQING	4	4	6	6	4	4	5	4
0.025	518	LONG SHENG	DAFENG	4	3	6	6	4	4	4	4
0.031	688	QING FENG	DAFENG	4	4	6	6	5	5	4	4
0.030	768	JIN HU	DALIAN	4	4	6	6	4	4	-	4
0.026	742	YUN YUN	DEQING	4	-	6	6	4	4	-	4
0.021	488	YUAN YUAN	DJYGP BC	2	-	4	4	4	4	4	3
0.024	492	PENG PENG	DJYGP BC	4	3	4	4	4	4	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	-	2	4	4	4	4	4	4

MK				0.021	0.018	0.004	0.004	0.032	0.032	0.033	0.013
Females > Name				694	784	837	838	821	822	611	434
MK	Males	Name	Location	ZHEN ZHEN	XIAO BAITU	YI RAN	YI CHANG	HE QI	HE MEI	LI LI	SHUANGSHUANG
GENGDA BC	GENGDA BC	GENGDA BC	GENGDA BC	GUIZHOU W	GUIZHOU W	HANGZHOUW	KOBE PARK				
0.015	582	RONG RONG	DJYGP BC	4	1	4	4	4	4	4	1
0.022	595	TAI SHAN	DJYGP BC	4	3	4	4	4	4	4	3
0.026	746	XING RUI	DJYGP BC	4	3	6	6	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	3	6	6	4	4	4	4
0.025	747	XIANG LU	EMEI EP	3	3	6	6	4	4	4	4
0.026	758	LU LIN	EMEI EP	4	3	6	6	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	3	4	6	6	4	4	4	4
0.025	525	LONG FEI	FUCHOW	4	3	6	6	4	4	4	4
0.029	538	LIN YANG	FUCHOW	4	4	6	6	4	4	6	4
0.032	646	JIAO XIAO	FUCHOW	4	4	6	6	-	-	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	4	6	6	-	-	5	6
0.021	607	XI WANG	GENGDA BC	4	4	4	4	4	4	4	3
0.011	752	ZI YAN	GENGDA BC	3	4	2	2	6	6	6	1
0.012	775	AO AO	GENGDA BC	3	-	-	-	6	6	6	1
0.023	778	CAI TAO	GENGDA BC	4	4	4	4	4	4	4	4
0.027	790	SHAN HU	HANGZHOUW	4	4	6	6	4	4	-	4
0.029	515	LIANGLIANG	HEFEI W	3	4	6	6	4	4	4	4
0.030	633	TAO TAO	HUAYING	4	4	6	6	4	4	-	4
0.019	830	YUN TAO	HUAYING	4	2	4	4	4	4	4	3
0.028	639	FU WA	KUALA LUM	4	4	6	6	4	4	4	4
0.024	685	FU LONG	LANGZHONG	4	3	4	4	4	4	4	4
0.026	852	HAN HAN	LINYI BG	4	3	6	6	4	4	4	4
0.025	714	NING NING	LIUGONGDA	3	3	6	6	4	4	4	4
0.027	662	MINGBING	LIUZHOU	3	4	6	6	4	4	4	4
0.034	666	SHU LING	LIUZHOU	4	4	6	6	-	-	5	6
0.035	851	SI YI	LONGTAN S	4	4	6	6	4	4	4	6
0.025	377	PING PING	LOUQUANTA	3	3	6	6	4	4	4	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	3	4	4	4	4	4	4
0.029	715	LELE	LOUQUANTA	3	4	6	6	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	3	4	6	6	4	4	4	4
0.026	519	BINGXING	MADRID Z	3	3	6	6	4	4	4	4
0.021	466	LELE	MEMPHIS	2	2	4	4	4	4	-	3
0.028	589	MEI LING	NANCHANG	4	4	6	6	4	4	-	4
0.022	772	ZHAO YANG	NANJING	4	-	4	4	4	4	4	4
0.026	786	QING SHAN	NANJING	4	4	6	6	4	4	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	6	6	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	4	3	6	6	4	4	4	4
0.021	613	YOU YOU	PANYU	2	3	4	4	4	4	-	3
0.028	744	YIN KE	PANYU	4	4	6	6	4	4	4	4
0.025	751	SHEN WEI	PANYU	4	4	6	6	4	4	4	4
0.038	628	LE SHUI	QINGDAO	4	6	6	6	-	-	5	6
0.004	415	GAOGAO	SANDIEGOZ	-	4	1	1	6	6	6	2
0.020	842	XIAO LIWU	SANDIEGOZ	-	2	4	4	4	4	4	4

MK				0.021	0.018	0.004	0.004	0.032	0.032	0.033	0.013
Females > Name				694	784	837	838	821	822	611	434
MK	Males	Name	Location	GENGDA BC	GENGDA BC	GENGDA BC	GENGDA BC	GUIZHOU W	GUIZHOU W	HANGZHOUW	KOBE PARK
0.033	583	YA AO	SHANGHAI	4	4	6	6	4	4	-	6
0.028	721	AO YUN	SHENNONGJ	4	4	6	6	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	2	3	4	4	4	4	4	3
0.014	787	YUAN ZHOU	SHENZHEN	3	2	4	4	4	4	4	1
0.030	529	YA XIANG	SHIH CHIA	4	4	6	6	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	-	2	4	4	4	4	4	4
0.022	690	WU JIE	SINGAPORE	4	-	4	4	4	4	4	3
0.029	588	TUAN TUAN	TAIPEI	4	4	6	6	4	4	-	4
0.025	669	HUA AO	TIGER G	4	3	6	6	4	4	4	4
0.033	612	BI LI	TOKYOUENO	4	4	6	6	4	4	-	6
0.032	732	DA MAO	TORONTO	4	4	6	6	4	4	4	4
0.024	789	FU HU	TSINAN	4	3	4	4	4	4	4	4
0.016	526	LONG HUI	VIENNA	3	2	4	4	4	4	4	2
0.023	390	YONGMING	WAKAYAMA	2	-	4	4	4	4	4	4
0.029	782	HAI BING	WAKAYAMA	3	4	6	6	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	6	6	4	4	-	4
0.030	530	YA GUANG	WENZHOU	4	4	6	6	4	4	4	4
0.033	670	JI YOU	WENZHOU	4	4	6	6	-	-	4	6
0.026	503	LU LU	WOLONG	3	3	6	6	4	4	4	4
0.028	619	WEI WEI	WUHAN	4	4	6	6	4	4	-	4
0.037	630	WU YI	WUXI	4	4	6	6	-	-	5	6
0.025	668	HUA LONG	XIUNING	4	3	6	6	4	4	4	4
0.028	599	XIAN ZI	XIXIAKOU	4	4	6	6	-	-	4	4
0.035	605	JING JING	XIXIAKOU	4	4	6	6	-	-	4	6
0.018	502	WU GANG	YAAN BC	2	-	4	4	4	4	4	2
0.004	579	YANGYANG	YAAN BC	4	4	1	1	6	6	6	3
0.021	586	TONG TONG	YAAN BC	4	3	4	4	4	4	4	4
0.025	592	LAN ZI	YAAN BC	3	3	6	6	4	4	4	4
0.015	609	HUI HUI	YAAN BC	4	1	4	4	4	4	4	4
0.008	623	BAI YANG	YAAN BC	4	4	1	1	6	6	6	2
0.003	661	YI BAO	YAAN BC	4	4	-	-	6	6	6	2
0.013	674	XIANG GE	YAAN BC	3	-	3	3	4	4	4	1
0.022	689	WU JUN	YAAN BC	4	-	4	4	4	4	4	3
0.020	719	AN AN	YAAN BC	2	2	4	4	4	4	-	3
0.028	743	JIN KE	YAAN BC	3	4	6	6	5	5	4	4
0.013	748	XIANG LIN	YAAN BC	3	4	3	3	4	4	4	1
0.031	707	YOU YOU	YABULI	4	4	6	6	4	4	-	4
0.025	841	YUAN XIN	YONG IN	4	4	6	6	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	4	6	6	-	-	5	6
0.036	644	SHUANG ER	ZIBO YSH	4	4	6	6	-	-	4	6

MK				0.025	0.027	0.033	0.031	0.031	0.020	0.016	0.011
Females > Name				641	835	682	848	494	509	562	757
MK	Males	Name	Location	KUALA LUM	LANGZHONG	LIUGONGDA	LONGTAN S	LOUQUANTA	LOUQUANTA	LOUQUANTA	LOUQUANTA
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	4	4	4
0.019	606	LE LE	ABERDE HK	3	3	-	4	4	2	2	3
0.022	620	WANG WANG	ADELAIDE	4	3	4	4	4	6	3	4
0.027	536	XIAO JIAO	ANJI BAMB	4	4	4	4	-	3	4	4
0.029	575	QING ZAI	ANJI BAMB	4	4	4	4	-	3	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	4	5	6	5	6	6	6
0.021	461	YANG YANG	ATLANTA	3	3	4	4	-	2	3	4
0.023	736	YUAN ZI	BEAUVILLE	2	4	4	4	4	3	-	4
0.040	394	DADI	BEIJING	5	-	-	5	5	6	6	6
0.029	496	GU GU	BEIJING	4	4	6	4	4	3	4	4
0.024	770	ER XI	CHANGSHA	2	4	4	-	4	3	3	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	4	3	3	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	4	3	3	4
0.007	342	XIAO PINGPING	CHENPANDA	4	6	6	6	6	4	3	2
0.021	386	KEBI	CHENPANDA	3	3	4	4	4	2	3	4
0.024	520	BINGDIAN	CHENPANDA	2	4	4	4	-	3	3	4
0.024	532	FUFU	CHENPANDA	4	6	4	4	4	3	3	4
0.031	540	XIONGBING	CHENPANDA	4	4	4	-	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	-	4	3	4	4
0.028	574	QIUBING	CHENPANDA	4	4	4	-	4	3	4	4
0.038	584	YONGYONG	CHENPANDA	4	4	5	5	4	4	-	6
0.027	614	XINGBING	CHENPANDA	4	4	4	-	4	3	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	6	6	6	6	4	4	2
0.038	627	LE SHAN	CHENPANDA	4	4	5	6	5	6	6	6
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	4	3	4	4
0.015	711	GONG ZI	CHENPANDA	3	4	4	4	4	3	1	2
0.034	717	SHU XIANG	CHENPANDA	4	4	5	5	4	6	4	6
0.016	724	YING YING	CHENPANDA	3	4	4	4	4	3	1	2
0.023	731	XI LAN	CHENPANDA	2	4	4	4	4	3	3	4
0.029	738	YONG BING	CHENPANDA	4	4	4	6	5	3	4	4
0.014	788	YUAN LIN	CHENPANDA	4	4	4	4	4	3	1	1
0.026	792	DE DE	CHENPANDA	4	4	4	4	4	3	4	4
0.026	793	A BAO	CHENPANDA	4	4	4	4	4	3	4	4
0.032	825	LIU YI	CHENPANDA	4	4	4	4	4	4	4	6
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	4	4	4
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	5	4	4	4
0.019	510	CHUANGCHUANG	CHIANGMAI	3	3	4	4	4	-	3	-
0.032	424	LINGLING	CHONGQING	4	4	-	4	4	4	4	6
0.029	513	LIANG LIANG	CHONGQING	4	4	5	4	4	3	4	4
0.025	518	LONG SHENG	DAFENG	4	4	4	4	4	4	3	4
0.031	688	QING FENG	DAFENG	4	4	4	4	4	4	4	6
0.030	768	JIN HU	DALIAN	4	4	-	4	4	4	4	4
0.026	742	YUN YUN	DEQING	-	4	-	4	4	3	4	4
0.021	488	YUAN YUAN	DJYGP BC	3	3	4	4	4	2	3	4
0.024	492	PENG PENG	DJYGP BC	4	4	4	4	4	3	-	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	4	4	2	3	3

MK				0.025	0.027	0.033	0.031	0.031	0.020	0.016	0.011
Females > Name				641	835	682	848	494	509	562	757
MK	Males	Name	Location	KUALA LUM	LANGZHONG	LIUGONGDA	LONGTAN S	LOUQUANTA	LOUQUANTA	LOUQUANTA	LOUQUANTA
0.015	582	RONG RONG	DJYGP BC	4	4	4	4	4	3	1	2
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	4	2	4	4
0.026	746	XING RUI	DJYGP BC	4	-	4	4	4	3	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	6	4	4	4	3	4	4
0.025	747	XIANG LU	EMEI EP	4	-	4	4	4	3	4	4
0.026	758	LU LIN	EMEI EP	4	-	4	4	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	4	4	-	3	4	4
0.025	525	LONG FEI	FUCHOW	6	4	4	4	4	3	4	4
0.029	538	LIN YANG	FUCHOW	4	4	6	4	4	3	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	5	4	6	4	6
0.037	815	QIAO QIAO	FUDE TJ	4	4	5	6	5	6	6	6
0.021	607	XI WANG	GENGDA BC	4	4	4	4	4	2	3	4
0.011	752	ZI YAN	GENGDA BC	4	4	6	6	4	3	2	1
0.012	775	AO AO	GENGDA BC	-	4	6	4	4	3	2	1
0.023	778	CAI TAO	GENGDA BC	4	4	4	4	4	3	3	4
0.027	790	SHAN HU	HANGZHOUW	4	4	-	4	4	3	4	4
0.029	515	LIANGLIANG	HEFEI W	4	4	4	4	-	3	4	4
0.030	633	TAO TAO	HUAYING	4	-	-	4	4	4	4	4
0.019	830	YUN TAO	HUAYING	-	4	4	4	4	2	3	3
0.028	639	FU WA	KUALA LUM	4	-	4	4	4	3	4	4
0.024	685	FU LONG	LANGZHONG	4	4	4	4	4	4	3	4
0.026	852	HAN HAN	LINYI BG	4	-	4	4	4	4	4	4
0.025	714	NING NING	LIUGONGDA	4	-	4	4	4	-	4	4
0.027	662	MINGBING	LIUZHOU	4	4	4	-	4	3	4	4
0.034	666	SHU LING	LIUZHOU	4	4	5	5	4	6	4	6
0.035	851	SI YI	LONGTAN S	4	4	4	4	5	4	6	6
0.025	377	PING PING	LOUQUANTA	4	4	4	4	4	3	-	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	4	4	4	4	-	-	-
0.029	715	LELE	LOUQUANTA	4	4	4	4	-	3	-	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	4	4	-	3	-	4
0.026	519	BINGXING	MADRID Z	4	4	4	4	-	3	4	4
0.021	466	LELE	MEMPHIS	3	3	-	4	4	2	3	4
0.028	589	MEI LING	NANCHANG	4	4	-	4	4	3	4	4
0.022	772	ZHAO YANG	NANJING	-	4	4	4	4	2	3	4
0.026	786	QING SHAN	NANJING	4	4	4	4	4	3	4	4
0.027	458	TIAN TIAN	NZP-WASH	-	4	4	4	4	3	4	4
0.026	745	XING HUI	PAIRI DAI	4	-	4	4	4	3	4	4
0.021	613	YOU YOU	PANYU	3	3	-	4	4	2	3	4
0.028	744	YIN KE	PANYU	4	-	4	4	4	3	4	4
0.025	751	SHEN WEI	PANYU	4	4	4	4	4	3	3	4
0.038	628	LE SHUI	QINGDAO	4	4	5	6	5	6	6	6
0.004	415	GAOGAO	SANDIEGOZ	6	6	6	6	6	4	4	2
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	4	4	2	3	3

MK				0.025	0.027	0.033	0.031	0.031	0.020	0.016	0.011
Females > Name				641	835	682	848	494	509	562	757
MK	Males	Name	Location	KUALA LUM	LANGZHONG	LIUGONGDA	LONGTAN S	LOGUANTA	LOGUANTA	LOGUANTA	LOGUANTA
0.033	583	YA AO	SHANGHAI	4	4	-	4	4	4	4	6
0.028	721	AO YUN	SHENNONGJ	-	-	4	4	4	3	4	4
0.022	769	JIAO QING	SHENZHEN	2	3	4	4	4	2	3	4
0.014	787	YUAN ZHOU	SHENZHEN	4	4	4	4	4	3	1	1
0.030	529	YA XIANG	SHIH CHIA	4	4	4	4	-	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	4	4	4	4	2	3	3
0.022	690	WU JIE	SINGAPORE	-	3	4	4	4	4	3	4
0.029	588	TUAN TUAN	TAIPEI	4	4	-	4	4	3	4	4
0.025	669	HUA AO	TIGER G	4	-	4	4	4	3	4	4
0.033	612	BI LI	TOKYOUENO	4	4	-	4	4	4	4	6
0.032	732	DA MAO	TORONTO	4	4	4	-	-	4	4	6
0.024	789	FU HU	TSINAN	4	4	4	4	4	4	3	4
0.016	526	LONG HUI	VIENNA	3	4	4	4	4	-	1	4
0.023	390	YONGMING	WAKAYAMA	2	4	4	-	4	3	3	4
0.029	782	HAI BING	WAKAYAMA	4	4	4	6	5	3	4	4
0.030	636	HUAN HUAN	WENLING S	4	-	-	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	4	4	4	4	-	4	4	4
0.033	670	JI YOU	WENZHOU	4	4	4	5	4	6	4	6
0.026	503	LU LU	WOLONG	4	-	4	4	4	3	4	4
0.028	619	WEI WEI	WUHAN	4	4	-	4	4	3	4	4
0.037	630	WU YI	WUXI	4	4	5	6	5	6	6	6
0.025	668	HUA LONG	XIUNING	4	-	4	4	4	3	4	4
0.028	599	XIAN ZI	XIXIAKOU	4	4	4	5	4	6	4	4
0.035	605	JING JING	XIXIAKOU	-	4	4	5	4	6	4	6
0.018	502	WU GANG	YAAN BC	-	3	4	4	4	2	2	3
0.004	579	YANGYANG	YAAN BC	6	6	6	6	6	4	4	2
0.021	586	TONG TONG	YAAN BC	4	6	4	4	4	2	3	4
0.025	592	LAN ZI	YAAN BC	2	4	4	4	4	3	3	4
0.015	609	HUI HUI	YAAN BC	4	-	4	4	4	3	1	2
0.008	623	BAI YANG	YAAN BC	4	4	6	6	6	4	3	2
0.003	661	YI BAO	YAAN BC	6	6	6	6	6	4	4	2
0.013	674	XIANG GE	YAAN BC	-	4	4	4	4	3	1	1
0.022	689	WU JUN	YAAN BC	-	3	4	4	4	4	3	4
0.020	719	AN AN	YAAN BC	3	3	-	4	4	2	3	3
0.028	743	JIN KE	YAAN BC	4	4	4	4	4	-	-	4
0.013	748	XIANG LIN	YAAN BC	4	4	4	4	4	3	1	1
0.031	707	YOU YOU	YABULI	4	4	-	4	4	4	4	6
0.025	841	YUAN XIN	YONG IN	4	4	4	4	4	3	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	4	5	6	5	6	6	6
0.036	644	SHUANG ER	ZIBO YSH	4	4	4	5	6	6	6	6

MK				0.035	0.024	0.008	0.027	0.025	0.015	0.029	0.030	0.026
Females > Name				667	576	507	834	846	473	741	547	557
MK	Males	Name	Location	MACAO CMA	MADRID Z	MEMPHIS	NINGBO	NINGBO	NZP-WASH	PAIRI DAI	PANYU	PANYU
0.001	327	AN AN	ABERDE HK	6	6	2	6	6	4	6	6	6
0.019	606	LE LE	ABERDE HK	4	3	4	3	3	3	-	4	3
0.022	620	WANG WANG	ADELAIDE	-	2	4	3	3	3	4	4	4
0.027	536	XIAO JIAO	ANJI BAMB	4	4	6	4	4	4	4	4	4
0.029	575	QING ZAI	ANJI BAMB	4	4	6	4	4	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	-	4	6	4	4	6	4	4	4
0.021	461	YANG YANG	ATLANTA	4	4	4	3	3	3	4	4	3
0.023	736	YUAN ZI	BEAUVILLE	4	-	4	4	2	3	4	4	2
0.040	394	DADI	BEIJING	5	4	6	-	5	6	5	-	6
0.029	496	GU GU	BEIJING	4	4	6	4	4	4	4	5	-
0.024	770	ER XI	CHANGSHA	4	4	4	4	2	4	4	4	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	4	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	4	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	6	4	1	6	4	3	6	6	4
0.021	386	KEBI	CHENPANDA	4	3	4	3	3	3	3	4	3
0.024	520	BINGDIAN	CHENPANDA	4	2	4	4	2	3	4	4	2
0.024	532	FUFU	CHENPANDA	4	2	4	6	4	3	4	4	4
0.031	540	XIONGBING	CHENPANDA	4	4	6	4	4	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.028	574	QIUBING	CHENPANDA	4	4	6	4	4	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	-	-	6	4	4	6	5	4	4
0.027	614	XINGBING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.006	624	QIAO QIAO	CHENPANDA	6	4	1	6	4	3	6	6	6
0.038	627	LE SHAN	CHENPANDA	-	4	6	4	4	6	4	4	4
0.028	649	MEI LAN	CHENPANDA	4	4	6	4	4	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	4	4	3	4	4	1	4	4	4
0.034	717	SHU XIANG	CHENPANDA	-	4	6	4	4	4	5	4	4
0.016	724	YING YING	CHENPANDA	4	4	3	4	3	1	4	4	4
0.023	731	XI LAN	CHENPANDA	4	4	4	4	2	4	4	4	2
0.029	738	YONG BING	CHENPANDA	4	4	6	4	4	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	6	4	2	4	4	1	4	4	4
0.026	792	DE DE	CHENPANDA	4	-	4	4	4	4	4	4	4
0.026	793	A BAO	CHENPANDA	4	-	4	4	4	4	4	4	4
0.032	825	LIU YI	CHENPANDA	5	-	6	4	4	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	2	6	6	4	6	6	6
0.029	839	AOLIAO	CHENPANDA	5	6	6	4	4	4	4	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	6	3	4	3	3	3	3	4	3
0.032	424	LINGLING	CHONGQING	-	4	6	4	4	4	-	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	6	4	4	4	4	-	4
0.025	518	LONG SHENG	DAFENG	4	2	4	4	4	4	4	6	4
0.031	688	QING FENG	DAFENG	5	4	6	4	4	4	4	6	4
0.030	768	JIN HU	DALIAN	5	4	6	4	4	4	-	4	4
0.026	742	YUN YUN	DEQING	4	4	4	4	4	4	4	4	6
0.021	488	YUAN YUAN	DJYGP BC	4	3	4	3	3	3	3	4	3
0.024	492	PENG PENG	DJYGP BC	4	2	4	4	4	-	4	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	2	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	3	4	4	4	3	4	4	4

MK				0.035	0.024	0.008	0.027	0.025	0.015	0.029	0.030	0.026
Females > Name				667	576	507	834	846	473	741	547	557
MK	Males	Name	Location	MACAO CMA	MADRID Z	MEMPHIS	NINGBO	NINGBO	NZP-WASH	PAIRI DAI	PANYU	PANYU
0.015	582	RONG RONG	DJYGP BC	4	3	3	4	4	1	4	4	4
0.022	595	TAI SHAN	DJYGP BC	4	2	4	4	4	-	4	4	4
0.026	746	XING RUI	DJYGP BC	4	4	4	-	-	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	2	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	2	4	6	4	4	4	4	4
0.025	747	XIANG LU	EMEI EP	4	2	4	-	-	4	4	4	4
0.026	758	LU LIN	EMEI EP	4	4	4	-	-	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	6	4	4	4	4	4	4
0.025	525	LONG FEI	FUCHOW	4	2	4	4	4	4	4	6	4
0.029	538	LIN YANG	FUCHOW	4	4	6	4	4	4	4	4	-
0.032	646	JIAO XIAO	FUCHOW	-	4	6	4	4	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	-	4	6	4	4	6	4	4	4
0.021	607	XI WANG	GENGDA BC	4	3	-	4	4	3	4	4	4
0.011	752	ZI YAN	GENGDA BC	6	4	4	4	4	2	4	4	4
0.012	775	AO AO	GENGDA BC	6	4	2	4	4	2	4	4	4
0.023	778	CAI TAO	GENGDA BC	4	2	4	4	4	3	4	4	4
0.027	790	SHAN HU	HANGZHOUW	4	4	4	4	4	4	4	4	6
0.029	515	LIANGLIANG	HEFEI W	4	4	6	4	4	4	4	4	4
0.030	633	TAO TAO	HUAYING	5	4	6	-	4	4	-	4	4
0.019	830	YUN TAO	HUAYING	4	3	4	4	4	3	4	4	4
0.028	639	FU WA	KUALA LUM	4	4	6	-	-	4	4	4	4
0.024	685	FU LONG	LANGZHONG	4	2	4	4	4	3	4	6	6
0.026	852	HAN HAN	LINYI BG	4	4	4	-	-	4	4	4	4
0.025	714	NING NING	LIUGONGDA	5	2	4	-	-	4	4	4	4
0.027	662	MINGBING	LIUZHOU	4	4	4	4	4	4	4	4	4
0.034	666	SHU LING	LIUZHOU	-	4	6	4	4	4	5	4	4
0.035	851	SI YI	LONGTAN S	5	6	6	4	4	6	4	4	4
0.025	377	PING PING	LOUQUANTA	4	-	4	4	4	4	4	4	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	2	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	4	-	4	4	2	3	4	4	2
0.029	715	LELE	LOUQUANTA	4	-	6	4	4	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	2	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	2	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	-	6	4	4	4	4	4	4
0.026	519	BINGXING	MADRID Z	4	4	4	4	4	4	4	4	4
0.021	466	LELE	MEMPHIS	-	3	4	3	3	3	-	4	3
0.028	589	MEI LING	NANCHANG	5	4	6	4	-	4	-	4	4
0.022	772	ZHAO YANG	NANJING	4	2	4	4	4	3	4	4	-
0.026	786	QING SHAN	NANJING	4	4	4	4	4	4	4	-	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	4	4	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	4	-	-	4	4	4	4
0.021	613	YOU YOU	PANYU	4	3	4	3	3	3	-	4	3
0.028	744	YIN KE	PANYU	4	4	6	-	-	4	4	4	4
0.025	751	SHEN WEI	PANYU	4	2	4	4	4	4	4	4	6
0.038	628	LE SHUI	QINGDAO	-	4	6	4	4	6	4	4	4
0.004	415	GAOGAO	SANDIEGOZ	6	6	1	6	6	4	6	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	3	4	4	4	3	4	4	4

MK				0.035	0.024	0.008	0.027	0.025	0.015	0.029	0.030	0.026
Females >				667	576	507	834	846	473	741	547	557
Name				XIN XIN	HUA ZUI BA	YA YA	ZHENG ZHENG	JIA JIA	MEIXIANG	HAO HAO	MEI QING	JU XIAO
MK	Males	Name	Location	MACAO CMA	MADRID Z	MEMPHIS	NINGBO	NINGBO	NZP-WASH	PAIRI DAI	PANYU	PANYU
0.033	583	YA AO	SHANGHAI	5	4	6	4	4	4	-	4	6
0.028	721	AO YUN	SHENNONGJ	4	4	6	-	-	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	4	2	4	3	3	4	4	4	3
0.014	787	YUAN ZHOU	SHENZHEN	6	4	2	4	4	1	4	4	4
0.030	529	YA XIANG	SHIH CHIA	4	4	6	4	4	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	3	4	4	4	3	4	4	4
0.022	690	WU JIE	SINGAPORE	4	2	4	3	3	3	4	4	4
0.029	588	TUAN TUAN	TAIPEI	5	4	6	4	-	4	-	4	4
0.025	669	HUA AO	TIGER G	4	2	4	-	-	4	-	4	4
0.033	612	BI LI	TOKYOUENO	5	4	6	4	4	4	-	4	6
0.032	732	DA MAO	TORONTO	4	4	6	4	4	4	4	4	4
0.024	789	FU HU	TSINAN	4	2	4	4	4	3	4	6	6
0.016	526	LONG HUI	VIENNA	4	3	3	4	4	1	4	4	-
0.023	390	YONGMING	WAKAYAMA	4	2	4	4	2	3	4	4	2
0.029	782	HAI BING	WAKAYAMA	4	4	6	4	4	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	6	-	-	4	4	4	6
0.030	530	YA GUANG	WENZHOU	4	4	6	4	4	4	4	4	4
0.033	670	JI YOU	WENZHOU	-	4	6	4	4	4	4	4	4
0.026	503	LU LU	WOLONG	4	4	4	-	-	4	4	4	4
0.028	619	WEI WEI	WUHAN	5	4	6	4	-	4	-	4	4
0.037	630	WU YI	WUXI	-	4	6	4	4	6	4	4	4
0.025	668	HUA LONG	XIUNING	4	2	4	-	-	4	-	4	4
0.028	599	XIAN ZI	XIXIAKOU	-	4	6	4	4	4	4	-	4
0.035	605	JING JING	XIXIAKOU	-	4	6	4	4	6	4	5	4
0.018	502	WU GANG	YAAN BC	4	3	4	3	3	1	4	4	3
0.004	579	YANGYANG	YAAN BC	6	6	1	6	6	4	6	6	6
0.021	586	TONG TONG	YAAN BC	4	3	4	6	4	3	4	4	6
0.025	592	LAN ZI	YAAN BC	4	4	4	4	4	4	4	4	4
0.015	609	HUI HUI	YAAN BC	4	3	3	-	4	1	4	4	4
0.008	623	BAI YANG	YAAN BC	6	4	1	4	4	3	6	6	4
0.003	661	YI BAO	YAAN BC	6	6	1	6	6	4	6	6	6
0.013	674	XIANG GE	YAAN BC	6	4	2	4	4	1	4	4	4
0.022	689	WU JUN	YAAN BC	4	2	4	3	3	3	4	4	4
0.020	719	AN AN	YAAN BC	4	3	4	3	3	3	-	4	3
0.028	743	JIN KE	YAAN BC	5	-	6	4	4	4	4	4	4
0.013	748	XIANG LIN	YAAN BC	6	4	4	4	4	1	4	4	4
0.031	707	YOU YOU	YABULI	5	4	6	4	4	4	-	4	4
0.025	841	YUAN XIN	YONG IN	4	2	4	4	4	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	-	4	6	4	4	6	4	4	4
0.036	644	SHUANG ER	ZIBO YSH	-	4	6	4	4	6	4	4	4

MK				0.029	0.025	0.037	0.020	0.018	0.035	0.028	0.019	0.023
Females > Name				618	750	722	596	650	371	516	439	474
MK	Males	Name	Location	TING TING	BO SI	BEI BEI	SU LIN	QIAN QIAN	BAIYUN	LONG XIN	GUO GUO	YOU YOU
PANYU	PANYU	QINGDAO	QINGSHEN	QINGSHEN	SANDIEGOZ	SANJIANG	SHANGHAI	SHANGHAI				
0.001	327	AN AN	ABERDE HK	6	6	6	4	4	6	6	4	6
0.019	606	LE LE	ABERDE HK	-	3	4	2	2	4	4	2	3
0.022	620	WANG WANG	ADELAIDE	4	4	-	4	3	4	4	4	2
0.027	536	XIAO JIAO	ANJI BAMB	4	4	5	3	4	4	4	3	4
0.029	575	QING ZAI	ANJI BAMB	4	4	5	3	4	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	4	-	4	4	5	4	4	4
0.021	461	YANG YANG	ATLANTA	4	3	4	2	2	4	3	2	2
0.023	736	YUAN ZI	BEAUVILLE	4	2	4	2	3	4	4	3	2
0.040	394	DADI	BEIJING	5	-	5	-	6	-	-	6	4
0.029	496	GU GU	BEIJING	4	4	4	4	4	-	-	4	4
0.024	770	ER XI	CHANGSHA	4	4	4	3	4	4	4	3	4
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	3	5	4	4	2
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	3	5	4	4	2
0.007	342	XIAO PINGPING	CHENPANDA	6	4	6	4	4	6	6	4	4
0.021	386	KEBI	CHENPANDA	3	3	4	2	2	4	3	2	2
0.024	520	BINGDIAN	CHENPANDA	4	2	5	3	3	4	4	3	2
0.024	532	FUFU	CHENPANDA	4	4	4	4	3	6	4	4	2
0.031	540	XIONGBING	CHENPANDA	4	4	5	4	4	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	5	3	4	4	4	3	4
0.028	574	QIUBING	CHENPANDA	4	4	5	3	4	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	5	4	5	4	4	5	4	4	4
0.027	614	XINGBING	CHENPANDA	4	4	5	3	4	4	4	3	4
0.006	624	QIAO QIAO	CHENPANDA	6	4	6	4	4	6	6	4	4
0.038	627	LE SHAN	CHENPANDA	4	4	-	4	4	5	4	4	4
0.028	649	MEI LAN	CHENPANDA	4	4	4	3	4	4	4	3	4
0.015	711	GONG ZI	CHENPANDA	4	4	6	3	2	4	4	3	3
0.034	717	SHU XIANG	CHENPANDA	5	4	-	4	4	5	4	4	4
0.016	724	YING YING	CHENPANDA	4	3	6	3	2	4	4	2	3
0.023	731	XI LAN	CHENPANDA	4	2	4	2	4	4	4	3	4
0.029	738	YONG BING	CHENPANDA	4	4	5	3	4	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	4	4	6	3	2	6	4	2	3
0.026	792	DE DE	CHENPANDA	4	4	4	3	3	4	4	3	2
0.026	793	A BAO	CHENPANDA	4	4	4	3	3	4	4	3	2
0.032	825	LIU YI	CHENPANDA	4	4	5	4	4	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	4	4	6	6	4	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	3	4	4	4	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	3	3	6	2	2	4	3	4	3
0.032	424	LINGLING	CHONGQING	-	4	5	4	4	4	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	4	4	-	4	4	-
0.025	518	LONG SHENG	DAFENG	4	4	4	4	3	-	4	6	2
0.031	688	QING FENG	DAFENG	4	4	5	4	4	-	-	4	4
0.030	768	JIN HU	DALIAN	-	4	4	4	4	5	6	4	4
0.026	742	YUN YUN	DEQING	4	4	4	4	3	5	4	4	2
0.021	488	YUAN YUAN	DJYGP BC	3	6	4	2	4	4	3	2	2
0.024	492	PENG PENG	DJYGP BC	4	4	4	4	3	-	-	4	2
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	-	2	-	4	4	2

MK	Males	Name	Location	0.029	0.025	0.037	0.020	0.018	0.035	0.028	0.019	0.023
				618	750	722	596	650	371	516	439	474
				TING TING	BO SI	BEI BEI	SU LIN	QIAN QIAN	BAIYUN	LONG XIN	GUO GUO	YOU YOU
0.015	582	RONG RONG	DJYGP BC	4	4	6	4	2	4	4	4	3
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	4	4	4	4	4
0.026	746	XING RUI	DJYGP BC	4	4	4	4	3	5	6	4	2
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	4	3	-	-	4	2
0.025	747	XIANG LU	EMEI EP	4	4	4	3	-	4	4	3	-
0.026	758	LU LIN	EMEI EP	4	4	4	4	3	4	4	4	3
0.029	454	XIAO SHUANG	FUCHOW	4	4	5	3	4	4	4	4	4
0.025	525	LONG FEI	FUCHOW	4	4	4	4	3	-	4	4	2
0.029	538	LIN YANG	FUCHOW	4	4	4	4	4	6	6	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	-	4	4	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	4	-	4	4	5	4	4	4
0.021	607	XI WANG	GENGDA BC	4	6	4	4	-	4	-	4	2
0.011	752	ZI YAN	GENGDA BC	4	4	6	3	4	6	4	3	4
0.012	775	AO AO	GENGDA BC	4	4	6	3	3	6	4	3	4
0.023	778	CAI TAO	GENGDA BC	4	6	4	4	4	4	6	4	2
0.027	790	SHAN HU	HANGZHOUW	4	4	4	4	4	5	4	4	4
0.029	515	LIANGLIANG	HEFEI W	4	4	5	3	4	4	4	4	4
0.030	633	TAO TAO	HUAYING	-	4	4	4	4	5	4	4	4
0.019	830	YUN TAO	HUAYING	4	4	4	4	2	4	4	4	3
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	5	-	4	4
0.024	685	FU LONG	LANGZHONG	4	4	4	4	4	4	4	4	4
0.026	852	HAN HAN	LINYI BG	4	4	4	4	3	4	4	4	3
0.025	714	NING NING	LIUGONGDA	4	4	5	3	3	4	4	3	2
0.027	662	MINGBING	LIUZHOU	4	4	5	3	4	4	4	3	4
0.034	666	SHU LING	LIUZHOU	5	4	-	4	4	5	4	4	4
0.035	851	SI YI	LONGTAN S	4	4	5	4	4	5	4	4	4
0.025	377	PING PING	LOUQUANTA	4	4	4	3	3	4	4	3	2
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	4	2	4	2	3	4	4	4	2
0.029	715	LELE	LOUQUANTA	4	4	4	3	4	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	4	3	3	4	4	3	4
0.026	519	BINGXING	MADRID Z	4	4	5	3	3	4	4	3	2
0.021	466	LELE	MEMPHIS	-	3	4	2	2	4	3	2	2
0.028	589	MEI LING	NANCHANG	-	4	4	4	4	-	4	4	4
0.022	772	ZHAO YANG	NANJING	4	4	4	4	3	4	4	4	2
0.026	786	QING SHAN	NANJING	4	4	4	4	4	5	4	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	4	3	-	-	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	4	4	3	5	6	4	2
0.021	613	YOU YOU	PANYU	-	3	4	2	2	4	-	2	2
0.028	744	YIN KE	PANYU	4	4	4	4	3	5	4	4	4
0.025	751	SHEN WEI	PANYU	4	-	4	4	4	-	4	4	2
0.038	628	LE SHUI	QINGDAO	4	4	-	4	4	5	4	4	4
0.004	415	GAOGAO	SANDIEGOZ	6	6	6	-	4	6	6	4	4
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	-	2	-	4	4	2

MK				0.029	0.025	0.037	0.020	0.018	0.035	0.028	0.019	0.023
Females > Name				618	750	722	596	650	371	516	439	474
MK	Males	Name	Location	PANYU	PANYU	QINGDAO	QINGSHEN	QINGSHEN	SANDIEGOZ	SANJIANG	SHANGHAI	SHANGHAI
0.033	583	YA AO	SHANGHAI	-	4	5	4	4	5	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	5	4	4	4
0.022	769	JIAO QING	SHENZHEN	4	2	4	2	4	4	4	3	4
0.014	787	YUAN ZHOU	SHENZHEN	4	4	6	3	2	6	4	2	3
0.030	529	YA XIANG	SHIH CHIA	4	4	5	4	4	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	4	4	-	2	-	4	4	2
0.022	690	WU JIE	SINGAPORE	4	4	4	4	3	4	4	4	2
0.029	588	TUAN TUAN	TAIPEI	-	4	4	4	4	-	4	4	4
0.025	669	HUA AO	TIGER G	-	4	4	4	3	-	4	4	2
0.033	612	BI LI	TOKYOUENO	-	4	5	4	4	5	4	4	4
0.032	732	DA MAO	TORONTO	4	4	5	4	4	4	4	4	4
0.024	789	FU HU	TSINAN	4	4	4	4	4	4	4	4	4
0.016	526	LONG HUI	VIENNA	4	3	6	3	2	4	4	4	3
0.023	390	YONGMING	WAKAYAMA	4	6	4	2	4	4	4	3	2
0.029	782	HAI BING	WAKAYAMA	4	4	5	3	4	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	4	4	5	4	4	4
0.030	530	YA GUANG	WENZHOU	4	4	5	4	4	4	4	4	4
0.033	670	JI YOU	WENZHOU	4	4	-	4	4	4	4	4	4
0.026	503	LU LU	WOLONG	4	4	4	3	3	4	4	3	3
0.028	619	WEI WEI	WUHAN	-	4	4	4	4	-	4	4	4
0.037	630	WU YI	WUXI	4	4	-	4	4	5	4	4	4
0.025	668	HUA LONG	XIUNING	-	4	4	4	3	-	4	4	2
0.028	599	XIAN ZI	XIXIAKOU	4	4	-	4	4	4	4	4	-
0.035	605	JING JING	XIXIAKOU	4	4	-	4	4	6	6	4	4
0.018	502	WU GANG	YAAN BC	4	3	4	2	2	4	4	2	3
0.004	579	YANG YANG	YAAN BC	6	6	6	4	4	6	6	4	4
0.021	586	TONG TONG	YAAN BC	4	-	4	4	2	-	4	4	2
0.025	592	LAN ZI	YAAN BC	4	2	5	3	4	4	4	3	4
0.015	609	HUI HUI	YAAN BC	4	4	6	4	3	4	4	4	3
0.008	623	BAI YANG	YAAN BC	6	4	6	4	4	6	6	4	4
0.003	661	YI BAO	YAAN BC	6	6	6	4	4	6	6	4	4
0.013	674	XIANG GE	YAAN BC	4	4	6	3	2	6	4	2	4
0.022	689	WU JUN	YAAN BC	4	4	4	4	3	4	4	4	2
0.020	719	AN AN	YAAN BC	-	3	4	2	2	4	3	2	3
0.028	743	JIN KE	YAAN BC	4	4	5	3	3	4	4	3	4
0.013	748	XIANG LIN	YAAN BC	4	4	6	3	4	6	4	2	4
0.031	707	YOU YOU	YABULI	-	4	4	4	4	5	-	4	4
0.025	841	YUAN XIN	YONG IN	4	4	4	4	4	5	-	4	2
0.037	629	ZHEN DA	ZIBO YSH	4	4	-	4	4	5	4	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	4	-	4	4	5	4	4	4

MK				0.023	0.025	0.024	0.026	0.025	0.025	0.022	0.028	0.033
Females > Name				487	706	734	549	565	587	739	600	676
MK	Males	Name	Location	HUA MEI	YUN YUN	HU BAO	ZHU YUN	XIN YUE	YUAN YUAN	A LING	XIAN NU	ER SHUN
SHANGHAI	SHENNONGJ	SINGAPORE	TAIHU EP	TAIHU EP	TAIPEI	TIGER G	TOKYOUENO	TORONTO				
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	-	3	3	3	3	2	4	-
0.022	620	WANG WANG	ADELAIDE	4	2	2	4	4	-	4	-	4
0.027	536	XIAO JIAO	ANJI BAMB	4	4	4	4	4	4	3	4	5
0.029	575	QING ZAI	ANJI BAMB	4	4	4	4	4	4	4	4	6
0.037	780	ZHEN HAO	ANJI BAMB	4	4	4	4	4	-	4	-	5
0.021	461	YANG YANG	ATLANTA	2	3	2	3	3	3	2	3	4
0.023	736	YUAN ZI	BEAUVILLE	2	2	2	2	2	2	2	4	4
0.040	394	DADI	BEIJING	-	4	-	-	-	4	4	5	5
0.029	496	GU GU	BEIJING	4	4	4	4	-	4	6	4	4
0.024	770	ER XI	CHANGSHA	2	2	4	4	2	2	2	4	4
0.025	857	CHENG SHUANG	CHANGSHA	4	2	4	4	6	2	2	4	4
0.025	858	CHENG DUI	CHANGSHA	4	2	4	4	6	2	2	4	4
0.007	342	XIAO PINGPING	CHENPANDA	4	4	4	4	4	4	4	6	6
0.021	386	KEBI	CHENPANDA	2	3	3	3	3	3	2	3	4
0.024	520	BINGDIAN	CHENPANDA	2	2	2	2	2	2	2	4	4
0.024	532	FUFU	CHENPANDA	4	2	4	6	-	4	4	4	4
0.031	540	XIONGBING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.027	573	LONGBING	CHENPANDA	4	4	4	4	4	4	3	4	4
0.028	574	QIUBING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	5	4	4	4	4	4	4	5
0.027	614	XINGBING	CHENPANDA	4	4	4	4	4	4	3	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	4	4	6	4	4	4	6	6
0.038	627	LE SHAN	CHENPANDA	4	4	4	4	4	-	4	-	5
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	4	4	3	4	4
0.015	711	GONG ZI	CHENPANDA	3	3	3	4	4	4	3	4	4
0.034	717	SHU XIANG	CHENPANDA	4	4	4	4	4	-	4	-	5
0.016	724	YING YING	CHENPANDA	3	3	3	4	3	3	3	4	4
0.023	731	XI LAN	CHENPANDA	2	2	2	2	2	2	2	4	4
0.029	738	YONG BING	CHENPANDA	4	4	4	4	4	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	3	4	4	4	4	4	3	4	4
0.026	792	DE DE	CHENPANDA	2	4	2	4	4	4	3	4	4
0.026	793	A BAO	CHENPANDA	2	4	2	4	4	4	3	4	4
0.032	825	LIU YI	CHENPANDA	4	4	4	4	4	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	4	4	4	4	5
0.019	510	CHUANGCHUANG	CHIANGMAI	3	3	3	3	3	6	4	6	4
0.032	424	LINGLING	CHONGQING	4	-	4	4	4	4	4	4	-
0.029	513	LIANG LIANG	CHONGQING	4	-	4	-	4	4	4	-	4
0.025	518	LONG SHENG	DAFENG	4	2	4	-	4	4	4	4	4
0.031	688	QING FENG	DAFENG	4	4	4	-	6	6	4	5	4
0.030	768	JIN HU	DALIAN	4	-	-	-	4	4	4	4	-
0.026	742	YUN YUN	DEQING	4	4	4	4	4	4	-	4	4
0.021	488	YUAN YUAN	DJYGP BC	2	3	-	3	3	3	2	3	4
0.024	492	PENG PENG	DJYGP BC	4	2	4	4	-	4	4	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	-	3	4	4	4	4	4	4	4

MK				0.023	0.025	0.024	0.026	0.025	0.025	0.022	0.028	0.033
Females > Name				487	706	734	549	565	587	739	600	676
MK	Males	Name	Location	HUA MEI	YUN YUN	HU BAO	ZHU YUN	XIN YUE	YUAN YUAN	A LING	XIAN NU	ER SHUN
SHANGHAI	SHENNONGJ	SINGAPORE	TAIHU EP	TAIHU EP	TAIPEI	TIGER G	TOKYOUENO	TORONTO				
0.015	582	RONG RONG	DJYGP BC	4	3	4	4	4	4	4	4	4
0.022	595	TAI SHAN	DJYGP BC	4	2	4	4	4	4	4	4	4
0.026	746	XING RUI	DJYGP BC	4	4	4	6	4	4	3	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	4	-	4	4	4	4
0.025	747	XIANG LU	EMEI EP	2	4	2	4	4	4	3	4	4
0.026	758	LU LIN	EMEI EP	4	4	4	4	4	4	-	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	4	4	4	4	4	4	6
0.025	525	LONG FEI	FUCHOW	4	4	4	-	4	4	4	4	4
0.029	538	LIN YANG	FUCHOW	4	4	4	4	6	4	6	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	-	4	-	4
0.037	815	QIAO QIAO	FUDE TJ	4	4	4	4	4	-	4	-	5
0.021	607	XI WANG	GENGDA BC	4	3	4	6	4	4	4	4	4
0.011	752	ZI YAN	GENGDA BC	4	4	-	4	4	4	4	4	6
0.012	775	AO AO	GENGDA BC	4	4	4	4	4	4	-	4	6
0.023	778	CAI TAO	GENGDA BC	4	2	-	6	4	4	2	4	4
0.027	790	SHAN HU	HANGZHOUW	4	4	-	4	4	4	4	4	4
0.029	515	LIANGLIANG	HEFEI W	4	4	4	4	4	4	4	4	6
0.030	633	TAO TAO	HUAYING	4	-	4	4	6	4	4	4	-
0.019	830	YUN TAO	HUAYING	4	3	4	4	4	4	4	4	4
0.028	639	FU WA	KUALA LUM	4	4	4	6	4	4	4	4	4
0.024	685	FU LONG	LANGZHONG	4	4	4	4	4	4	4	4	4
0.026	852	HAN HAN	LINYI BG	4	4	4	4	4	4	-	4	4
0.025	714	NING NING	LIUGONGDA	2	4	2	4	4	4	3	4	4
0.027	662	MINGBING	LIUZHOU	4	4	4	4	4	4	3	4	4
0.034	666	SHU LING	LIUZHOU	4	4	4	4	4	-	4	-	5
0.035	851	SI YI	LONGTAN S	4	4	4	4	4	4	4	4	5
0.025	377	PING PING	LOUQUANTA	2	4	2	4	4	4	3	4	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	2	2	2	2	4	4	4	4
0.029	715	LELE	LOUQUANTA	4	4	4	4	4	4	4	4	5
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	4	4	4	4	3	4	5
0.026	519	BINGXING	MADRID Z	2	4	2	4	4	4	3	4	4
0.021	466	LELE	MEMPHIS	2	-	3	3	3	3	2	3	-
0.028	589	MEI LING	NANCHANG	-	-	4	4	4	4	4	4	-
0.022	772	ZHAO YANG	NANJING	4	2	4	4	4	2	-	4	4
0.026	786	QING SHAN	NANJING	4	4	-	4	4	4	3	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	4	-	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	4	6	4	4	3	4	4
0.021	613	YOU YOU	PANYU	2	-	4	-	3	-	2	3	-
0.028	744	YIN KE	PANYU	4	4	4	4	6	4	3	4	4
0.025	751	SHEN WEI	PANYU	4	2	4	4	4	4	4	4	4
0.038	628	LE SHUI	QINGDAO	4	4	4	4	4	-	4	-	5
0.004	415	GAOGAO	SANDIEGOZ	4	6	6	6	6	6	4	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	-	3	4	4	4	4	4	4	4

MK				0.023	0.025	0.024	0.026	0.025	0.025	0.022	0.028	0.033
Females > Name				487	706	734	549	565	587	739	600	676
MK	Males	Name	Location	SHANGHAI	SHENNONGJ	SINGAPORE	TAIHU EP	TAIHU EP	TAIPEI	TIGER G	TOKYOUENO	TORONTO
0.033	583	YA AO	SHANGHAI	4	-	4	4	4	4	4	4	-
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	2	2	2	3	3	2	2	4	4
0.014	787	YUAN ZHOU	SHENZHEN	3	4	4	4	4	4	3	4	4
0.030	529	YA XIANG	SHIH CHIA	4	4	4	4	4	4	4	4	-
0.020	749	YUN ZI	SHIH CHIA	-	3	4	4	4	4	4	4	4
0.022	690	WU JIE	SINGAPORE	4	2	2	4	4	4	-	4	4
0.029	588	TUAN TUAN	TAIPEI	-	-	4	4	4	4	4	4	-
0.025	669	HUA AO	TIGER G	-	4	4	4	4	4	3	4	4
0.033	612	BI LI	TOKYOUENO	4	-	4	4	4	4	4	4	-
0.032	732	DA MAO	TORONTO	4	4	4	4	4	4	4	4	5
0.024	789	FU HU	TSINAN	4	4	4	4	4	4	4	4	4
0.016	526	LONG HUI	VIENNA	3	3	3	4	3	4	6	4	4
0.023	390	YONGMING	WAKAYAMA	2	2	-	2	2	2	2	4	4
0.029	782	HAI BING	WAKAYAMA	4	4	4	4	4	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	4	4	4	4	4	4	4	4	4
0.030	530	YA GUANG	WENZHOU	4	4	4	4	4	4	4	4	-
0.033	670	JI YOU	WENZHOU	4	4	4	4	4	-	4	-	4
0.026	503	LU LU	WOLONG	3	4	4	4	4	4	3	4	4
0.028	619	WEI WEI	WUHAN	-	-	4	4	4	4	4	4	-
0.037	630	WU YI	WUXI	4	4	4	4	4	-	4	-	5
0.025	668	HUA LONG	XIUNING	-	4	4	4	4	4	3	4	4
0.028	599	XIAN ZI	XIXIAOKOU	4	-	4	4	4	-	4	-	4
0.035	605	JING JING	XIXIAOKOU	4	4	4	4	6	-	4	-	4
0.018	502	WU GANG	YAAN BC	3	3	3	3	3	3	-	4	4
0.004	579	YANG YANG	YAAN BC	4	6	6	6	6	6	4	6	6
0.021	586	TONG TONG	YAAN BC	4	3	4	4	-	4	4	4	4
0.025	592	LAN ZI	YAAN BC	2	2	2	4	2	2	2	4	4
0.015	609	HUI HUI	YAAN BC	4	3	4	4	6	4	3	4	4
0.008	623	BAI YANG	YAAN BC	4	4	4	4	4	4	4	6	6
0.003	661	YI BAO	YAAN BC	4	6	6	6	6	6	4	6	6
0.013	674	XIANG GE	YAAN BC	4	4	4	4	4	4	-	4	6
0.022	689	WU JUN	YAAN BC	4	2	2	4	4	4	-	4	4
0.020	719	AN AN	YAAN BC	3	-	3	3	3	3	2	3	-
0.028	743	JIN KE	YAAN BC	4	4	4	4	4	4	3	4	4
0.013	748	XIANG LIN	YAAN BC	4	4	-	4	4	4	3	4	6
0.031	707	YOU YOU	YABULI	4	-	4	6	4	4	4	4	-
0.025	841	YUAN XIN	YONG IN	4	4	-	6	4	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	4	4	4	4	-	4	-	5
0.036	644	SHUANG ER	ZIBO YSH	4	4	4	4	4	-	4	-	5

MK				0.022	0.030	0.034	0.029	0.029	0.023	0.001	0.027	0.024
Females >				771	514	521	783	832	760	505	511	568
Name				CAI YUN	YANG YANG	LIANGBIN	YANG BING	YOU BING	YAO XIN	ZHANG KA	XI MEI	NA NA
MK	Males	Name	Location	TSINAN	VIENNA	WAKAYAMA	WAKAYAMA	WAKAYAMA	WENLING S	WOLONG	WOLONG	WOLONG
0.001	327	AN AN	ABERDE HK	6	6	6	6	6	6	1	6	6
0.019	606	LE LE	ABERDE HK	3	4	4	4	4	3	4	3	3
0.022	620	WANG WANG	ADELAIDE	2	4	4	4	4	4	6	4	4
0.027	536	XIAO JIAO	ANJI BAMB	4	4	-	4	4	4	6	4	4
0.029	575	QING ZAI	ANJI BAMB	4	4	-	4	4	4	6	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	4	-	5	5	4	6	4	4
0.021	461	YANG YANG	ATLANTA	2	4	4	4	4	2	6	3	2
0.023	736	YUAN ZI	BEAUVILLE	2	4	4	4	4	2	6	4	2
0.040	394	DADI	BEIJING	5	-	5	5	5	4	6	-	-
0.029	496	GU GU	BEIJING	6	5	4	4	4	4	6	4	4
0.024	770	ER XI	CHANGSHA	2	4	4	6	6	2	6	4	2
0.025	857	CHENG SHUANG	CHANGSHA	4	4	4	4	4	2	6	6	4
0.025	858	CHENG DUI	CHANGSHA	4	4	4	4	4	2	6	6	4
0.007	342	XIAO PINGPING	CHENPANDA	4	6	6	6	6	4	1	6	4
0.021	386	KEBI	CHENPANDA	2	4	4	4	4	2	4	3	2
0.024	520	BINGDIAN	CHENPANDA	2	4	-	4	4	2	6	4	2
0.024	532	FUFU	CHENPANDA	4	6	4	4	4	4	6	-	4
0.031	540	XIONGBING	CHENPANDA	4	4	-	-	-	4	6	4	4
0.027	573	LONGBING	CHENPANDA	3	4	-	-	-	4	6	4	4
0.028	574	QIUBING	CHENPANDA	4	4	-	-	-	4	6	4	4
0.038	584	YONGYONG	CHENPANDA	4	4	5	4	4	4	6	4	4
0.027	614	XINGBING	CHENPANDA	3	4	-	-	-	4	6	4	4
0.006	624	QIAO QIAO	CHENPANDA	4	6	6	6	6	4	1	6	4
0.038	627	LE SHAN	CHENPANDA	4	4	-	5	5	4	6	4	4
0.028	649	MEI LAN	CHENPANDA	4	4	4	4	4	4	6	4	4
0.015	711	GONG ZI	CHENPANDA	3	4	4	4	4	3	4	4	3
0.034	717	SHU XIANG	CHENPANDA	4	4	4	4	4	4	6	4	4
0.016	724	YING YING	CHENPANDA	3	4	4	4	4	3	4	4	3
0.023	731	XI LAN	CHENPANDA	2	4	4	4	4	2	6	4	2
0.029	738	YONG BING	CHENPANDA	4	4	-	-	-	4	6	4	4
0.014	788	YUAN LIN	CHENPANDA	3	4	6	4	4	3	4	4	4
0.026	792	DE DE	CHENPANDA	3	4	5	4	4	2	6	4	2
0.026	793	A BAO	CHENPANDA	3	4	5	4	4	2	6	4	2
0.032	825	LIU YI	CHENPANDA	4	4	4	4	4	4	6	4	4
0.001	831	LONG LONG	CHENPANDA	6	6	6	6	6	6	1	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	4	4	6	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	3	4	4	4	4	4	4	3	3
0.032	424	LINGLING	CHONGQING	4	4	4	4	4	4	6	4	4
0.029	513	LIANG LIANG	CHONGQING	4	-	4	4	4	4	6	-	4
0.025	518	LONG SHENG	DAFENG	4	-	4	4	4	4	6	-	4
0.031	688	QING FENG	DAFENG	4	6	4	4	4	4	6	6	-
0.030	768	JIN HU	DALIAN	4	5	4	4	4	4	6	4	6
0.026	742	YUN YUN	DEQING	-	4	4	4	4	2	6	4	4
0.021	488	YUAN YUAN	DJYGP BC	2	4	4	-	-	2	6	3	2
0.024	492	PENG PENG	DJYGP BC	4	4	4	4	4	4	6	4	4
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	3	3	4	4	4	4

MK				0.022	0.030	0.034	0.029	0.029	0.023	0.001	0.027	0.024
Females >				771	514	521	783	832	760	505	511	568
Name				CAI YUN	YANG YANG	LIANGBIN	YANG BING	YOU BING	YAO XIN	ZHANG KA	XI MEI	NA NA
MK	Males	Name	Location	TSINAN	VIENNA	WAKAYAMA	WAKAYAMA	WAKAYAMA	WENLING S	WOLONG	WOLONG	WOLONG
0.015	582	RONG RONG	DJYGP BC	4	4	4	4	4	4	4	4	4
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	4	4	6	4	4
0.026	746	XING RUI	DJYGP BC	4	4	4	4	4	-	6	4	-
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	4	4	4	6	-	4
0.025	747	XIANG LU	EMEI EP	2	4	4	4	4	-	6	4	2
0.026	758	LU LIN	EMEI EP	4	4	4	4	4	-	6	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	-	4	4	4	6	4	4
0.025	525	LONG FEI	FUCHOW	4	-	4	4	4	4	6	-	4
0.029	538	LIN YANG	FUCHOW	6	4	4	4	4	4	6	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	4	6	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	4	-	5	5	4	6	4	4
0.021	607	XI WANG	GENGDA BC	4	4	4	4	4	4	4	4	6
0.011	752	ZI YAN	GENGDA BC	4	4	6	4	4	4	4	4	4
0.012	775	AO AO	GENGDA BC	-	4	6	4	4	4	4	4	4
0.023	778	CAI TAO	GENGDA BC	4	4	4	4	4	2	6	4	-
0.027	790	SHAN HU	HANGZHOUW	4	4	4	4	4	4	6	4	4
0.029	515	LIANGLIANG	HEFEI W	4	4	-	4	4	4	6	4	4
0.030	633	TAO TAO	HUAYING	4	5	4	4	4	4	6	-	4
0.019	830	YUN TAO	HUAYING	4	4	4	4	4	4	4	4	4
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	-	6	4	6
0.024	685	FU LONG	LANGZHONG	4	-	4	4	4	4	6	4	4
0.026	852	HAN HAN	LINYI BG	4	4	4	4	4	-	6	4	4
0.025	714	NING NING	LIUGONGDA	2	4	4	4	4	-	6	4	2
0.027	662	MINGBING	LIUZHOU	3	4	-	-	-	4	6	4	4
0.034	666	SHU LING	LIUZHOU	4	4	4	4	4	4	6	4	4
0.035	851	SI YI	LONGTAN S	4	4	6	4	4	4	6	4	4
0.025	377	PING PING	LOUQUANTA	2	4	4	4	4	2	6	4	2
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	2	4	4	4	4	4	6	4	2
0.029	715	LELE	LOUQUANTA	4	4	5	4	4	4	6	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	4	4	4	4	6	4	4
0.026	519	BINGXING	MADRID Z	3	4	-	4	4	2	6	4	2
0.021	466	LELE	MEMPHIS	2	4	4	3	3	2	6	3	2
0.028	589	MEI LING	NANCHANG	4	4	4	4	4	4	6	4	4
0.022	772	ZHAO YANG	NANJING	-	4	4	4	4	2	6	4	4
0.026	786	QING SHAN	NANJING	4	6	4	4	4	2	6	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	4	4	4	6	4	4
0.026	745	XING HUI	PAIRI DAI	4	4	4	4	4	-	6	4	-
0.021	613	YOU YOU	PANYU	2	4	4	4	4	2	6	3	-
0.028	744	YIN KE	PANYU	4	4	4	4	4	-	6	-	4
0.025	751	SHEN WEI	PANYU	4	4	4	4	4	4	6	4	-
0.038	628	LE SHUI	QINGDAO	4	4	-	5	5	4	6	4	4
0.004	415	GAOGAO	SANDIEGOZ	4	6	6	6	6	4	1	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	3	3	4	4	4	4

MK				0.022	0.030	0.034	0.029	0.029	0.023	0.001	0.027	0.024
Females > Name				771	514	521	783	832	760	505	511	568
MK	Males	Name	Location	TSINAN	VIENNA	WAKAYAMA	WAKAYAMA	WAKAYAMA	WENLING S	WOLONG	WOLONG	WOLONG
0.033	583	YA AO	SHANGHAI	4	5	4	4	4	4	6	5	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	-	6	4	4
0.022	769	JIAO QING	SHENZHEN	2	4	4	4	4	2	6	3	2
0.014	787	YUAN ZHOU	SHENZHEN	3	4	6	4	4	3	4	4	4
0.030	529	YA XIANG	SHIH CHIA	4	4	-	4	4	4	6	4	4
0.020	749	YUN ZI	SHIH CHIA	4	4	4	3	3	4	4	4	4
0.022	690	WU JIE	SINGAPORE	-	4	4	4	4	4	6	4	4
0.029	588	TUAN TUAN	TAIPEI	4	4	4	4	4	4	6	4	4
0.025	669	HUA AO	TIGER G	4	4	4	4	4	-	6	4	4
0.033	612	BI LI	TOKYOUENO	4	5	4	4	4	4	6	5	4
0.032	732	DA MAO	TORONTO	4	4	-	-	-	4	6	4	4
0.024	789	FU HU	TSINAN	4	-	4	4	4	4	6	4	4
0.016	526	LONG HUI	VIENNA	4	4	4	4	4	4	4	4	3
0.023	390	YONGMING	WAKAYAMA	2	4	4	-	-	2	6	4	2
0.029	782	HAI BING	WAKAYAMA	4	4	-	-	-	4	6	4	4
0.030	636	HUAN HUAN	WENLING S	4	5	4	4	4	-	6	4	4
0.030	530	YA GUANG	WENZHOU	4	4	-	4	4	4	6	4	4
0.033	670	JI YOU	WENZHOU	4	4	4	4	4	4	6	4	4
0.026	503	LU LU	WOLONG	3	4	4	4	4	-	6	4	4
0.028	619	WEI WEI	WUHAN	4	4	4	4	4	4	6	4	4
0.037	630	WU YI	WUXI	4	4	-	5	5	4	6	4	4
0.025	668	HUA LONG	XIUNING	4	4	4	4	4	-	6	4	4
0.028	599	XIAN ZI	XIXIAKOU	4	-	4	4	4	4	6	4	4
0.035	605	JING JING	XIXIAKOU	4	4	5	4	4	4	6	4	4
0.018	502	WU GANG	YAAN BC	-	4	4	4	4	3	4	3	3
0.004	579	YANGYANG	YAAN BC	4	6	6	6	6	4	1	6	4
0.021	586	TONG TONG	YAAN BC	4	4	4	4	4	4	6	-	-
0.025	592	LAN ZI	YAAN BC	2	4	-	4	4	2	6	4	2
0.015	609	HUI HUI	YAAN BC	4	4	4	4	4	3	4	-	4
0.008	623	BAI YANG	YAAN BC	4	6	6	6	6	4	2	4	4
0.003	661	YI BAO	YAAN BC	4	6	6	6	6	6	1	6	6
0.013	674	XIANG GE	YAAN BC	-	4	6	4	4	4	4	4	4
0.022	689	WU JUN	YAAN BC	-	4	4	4	4	4	6	4	4
0.020	719	AN AN	YAAN BC	2	4	4	3	3	3	4	3	3
0.028	743	JIN KE	YAAN BC	4	4	4	4	4	4	6	4	4
0.013	748	XIANG LIN	YAAN BC	3	4	6	4	4	4	4	4	4
0.031	707	YOU YOU	YABULI	4	4	4	4	4	4	6	4	6
0.025	841	YUAN XIN	YONG IN	4	4	4	4	4	4	6	4	6
0.037	629	ZHEN DA	ZIBO YSH	4	4	-	5	5	4	6	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	4	5	4	4	4	6	4	4

MK				0.003	0.026	0.026	0.004	0.027	0.024	0.029	0.016	0.026	0.034
Females > Name				581	625	664	698	712	735	476	512	566	571
MK	Males	Name	Location	CAO CAO	SI XUE	QING QING	SHUI XIU	ZHUANG MEI	MIN MIN	XI XI	LE SHENG	YING HUA	GE GE
WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	YAAN BC	YAAN BC	YAAN BC	YAAN BC	YAAN BC	YAAN BC	YAAN BC
0.001	327	AN AN	ABERDE HK	1	6	6	1	6	6	6	4	6	6
0.019	606	LE LE	ABERDE HK	4	3	3	4	3	3	4	2	-	-
0.022	620	WANG WANG	ADELAIDE	4	4	4	4	4	2	4	4	3	4
0.027	536	XIAO JIAO	ANJI BAMB	6	4	4	6	4	4	4	4	4	4
0.029	575	QING ZAI	ANJI BAMB	6	6	4	6	4	4	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	6	6	4	6	5	4	4	6	4	5
0.021	461	YANG YANG	ATLANTA	4	4	3	4	3	2	4	3	3	4
0.023	736	YUAN ZI	BEAUVILLE	6	2	2	4	4	2	4	3	2	4
0.040	394	DADI	BEIJING	6	4	-	6	4	-	-	6	4	-
0.029	496	GU GU	BEIJING	6	4	4	6	4	4	-	4	4	6
0.024	770	ER XI	CHANGSHA	6	4	4	6	4	4	4	3	4	4
0.025	857	CHENG SHUANG	CHANGSHA	6	4	4	6	4	4	4	4	4	4
0.025	858	CHENG DUI	CHANGSHA	6	4	4	6	4	4	4	4	4	4
0.007	342	XIAO PINGPING	CHENPANDA	1	4	4	1	6	4	6	4	4	6
0.021	386	KEBI	CHENPANDA	4	3	3	4	3	3	3	3	3	4
0.024	520	BINGDIAN	CHENPANDA	6	4	2	4	4	2	4	3	2	4
0.024	532	FUFU	CHENPANDA	6	2	4	4	4	4	4	4	2	4
0.031	540	XIONGBING	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.027	573	LONGBING	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.028	574	QIUBING	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.038	584	YONGYONG	CHENPANDA	6	4	4	6	4	4	4	6	5	5
0.027	614	XINGBING	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.006	624	QIAO QIAO	CHENPANDA	1	6	6	1	6	4	6	4	6	6
0.038	627	LE SHAN	CHENPANDA	6	6	4	6	5	4	4	6	4	5
0.028	649	MEI LAN	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	4	4	4	4	4	3	4	1	4	4
0.034	717	SHU XIANG	CHENPANDA	6	5	4	6	5	4	4	4	5	5
0.016	724	YING YING	CHENPANDA	4	4	3	4	4	3	4	1	3	4
0.023	731	XI LAN	CHENPANDA	6	2	2	4	4	2	4	3	2	4
0.029	738	YONG BING	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.014	788	YUAN LIN	CHENPANDA	4	4	4	4	4	4	4	1	4	6
0.026	792	DE DE	CHENPANDA	6	4	4	6	4	4	4	3	4	4
0.026	793	A BAO	CHENPANDA	6	4	4	6	4	4	4	3	4	4
0.032	825	LIU YI	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	1	6	6	1	6	6	6	4	6	6
0.029	839	AOLIAO	CHENPANDA	6	4	4	6	4	4	4	4	4	4
0.019	510	CHUANGCHUANG	CHIANGMAI	4	-	4	4	-	3	4	2	3	4
0.032	424	LINGLING	CHONGMING	6	4	4	6	4	4	4	4	-	-
0.029	513	LIANG LIANG	CHONGMING	6	4	4	6	4	4	4	4	-	5
0.025	518	LONG SHENG	DAFENG	6	4	4	6	4	4	4	4	4	4
0.031	688	QING FENG	DAFENG	6	4	-	6	4	4	6	4	4	4
0.030	768	JIN HU	DALIAN	6	4	4	6	4	-	4	4	-	-
0.026	742	YUN YUN	DEQING	6	4	4	6	4	4	4	4	4	-
0.021	488	YUAN YUAN	DJYGP BC	4	3	-	4	3	-	3	3	3	4
0.024	492	PENG PENG	DJYGP BC	6	2	4	4	4	4	-	4	2	4
0.000	542	DAI LI	DJYGP BC	1	3.5	3.5	1	3.5	3.5	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	3	4	4	3	4	4	4	3	4

MK				0.003	0.026	0.026	0.004	0.027	0.024	0.029	0.016	0.026	0.034
Females > Name				581	625	664	698	712	735	476	512	566	571
MK	Males	Name	Location	CAO CAO	SI XUE	QING QING	SHUI XIU	ZHUANG MEI	MIN MIN	XI XI	LE SHENG	YING HUA	GE GE
WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	WOLONG	YAAN BC	YAAN BC	YAAN BC	YAAN BC	YAAN BC
0.015	582	RONG RONG	DJYGP BC	4	4	4	4	4	4	-	4	4	4
0.022	595	TAI SHAN	DJYGP BC	4	3	4	4	3	4	-	4	3	4
0.026	746	XING RUI	DJYGP BC	6	4	4	6	-	4	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	1	3.5	3.5	1	3.5	3.5	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	6	4	4	6	4	4	-	4	4	4
0.025	747	XIANG LU	EMEI EP	6	4	4	6	-	2	4	3	4	4
0.026	758	LU LIN	EMEI EP	6	4	4	6	-	4	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	6	6	4	6	4	4	4	4	4	4
0.025	525	LONG FEI	FUCHOW	6	4	4	6	4	4	-	6	4	5
0.029	538	LIN YANG	FUCHOW	6	4	4	6	4	4	6	4	4	6
0.032	646	JIAO XIAO	FUCHOW	6	4	4	6	4	4	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	6	6	4	6	5	4	4	6	4	5
0.021	607	XI WANG	GENGDA BC	4	3	4	4	3	4	4	4	3	4
0.011	752	ZI YAN	GENGDA BC	2	4	4	2	4	-	4	2	4	6
0.012	775	AO AO	GENGDA BC	2	4	4	-	4	4	4	2	4	6
0.023	778	CAI TAO	GENGDA BC	6	2	4	4	3	-	4	4	2	4
0.027	790	SHAN HU	HANGZHOUW	6	4	6	6	4	-	4	4	4	-
0.029	515	LIANGLIANG	HEFEI W	6	6	4	6	4	4	4	4	4	4
0.030	633	TAO TAO	HUAYING	6	4	4	6	4	4	4	4	-	-
0.019	830	YUN TAO	HUAYING	4	3	4	4	3	4	-	-	3	4
0.028	639	FU WA	KUALA LUM	6	4	4	6	-	4	4	4	4	4
0.024	685	FU LONG	LANGZHONG	6	2	4	4	4	4	4	4	4	4
0.026	852	HAN HAN	LINYI BG	6	4	4	6	-	4	4	4	4	4
0.025	714	NING NING	LIUGONGDA	6	-	4	6	-	2	4	3	4	4
0.027	662	MINGBING	LIUZHOU	6	4	4	6	4	4	4	4	4	4
0.034	666	SHU LING	LIUZHOU	6	5	4	6	5	4	4	4	5	5
0.035	851	SI YI	LONGTAN S	6	5	4	6	4	4	4	4	4	5
0.025	377	PING PING	LOUQUANTA	6	4	4	6	4	2	4	3	4	4
0.000	703	ABAO	LOUQUANTA	1	3.5	3.5	1	3.5	3.5	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	6	4	4	4	4	2	4	3	2	4
0.029	715	LELE	LOUQUANTA	6	4	4	6	4	4	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	1	3.5	3.5	1	3.5	3.5	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	1	3.5	3.5	1	3.5	3.5	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	6	4	4	6	4	4	4	4	4	4
0.026	519	BINGXING	MADRID Z	6	4	4	6	4	4	4	3	4	4
0.021	466	LELE	MEMPHIS	4	3	3	4	3	3	3	3	-	-
0.028	589	MEI LING	NANCHANG	6	4	4	6	4	4	4	4	-	-
0.022	772	ZHAO YANG	NANJING	4	3	4	4	3	4	4	4	2	4
0.026	786	QING SHAN	NANJING	6	4	4	6	4	-	4	4	4	4
0.027	458	TIAN TIAN	NZP-WASH	6	4	4	6	4	4	-	-	4	4
0.026	745	XING HUI	PAIRI DAI	6	4	4	6	-	4	4	4	4	4
0.021	613	YOU YOU	PANYU	4	3	3	4	3	4	3	3	-	-
0.028	744	YIN KE	PANYU	6	4	4	6	-	4	4	4	4	4
0.025	751	SHEN WEI	PANYU	6	4	4	6	4	4	4	4	4	4
0.038	628	LE SHUI	QINGDAO	6	6	4	6	5	4	4	6	4	5
0.004	415	GAOGAO	SANDIEGOZ	1	6	6	1	6	6	6	4	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	3	4	4	3	4	4	4	3	4

MK	Males	Name	Location	0.003	0.026	0.026	0.004	0.027	0.024	0.029	0.016	0.026	0.034
				581	625	664	698	712	735	476	512	566	571
				CAO CAO	SI XUE	QING QING	SHUI XIU	ZHUANG MEI	MIN MIN	XI XI	LE SHENG	YING HUA	GE GE
0.033	583	YA AO	SHANGHAI	6	4	4	6	4	4	4	4	-	-
0.028	721	AO YUN	SHENNONGJ	6	4	4	6	-	4	-	-	4	4
0.022	769	JIAO QING	SHENZHEN	4	3	3	4	3	2	4	3	3	4
0.014	787	YUAN ZHOU	SHENZHEN	4	4	4	4	4	4	4	1	4	6
0.030	529	YA XIANG	SHIH CHIA	6	4	4	6	4	4	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	3	4	4	3	4	4	4	3	4
0.022	690	WU JIE	SINGAPORE	4	3	3	4	3	2	4	4	3	4
0.029	588	TUAN TUAN	TAIPEI	6	4	4	6	4	4	4	4	-	-
0.025	669	HUA AO	TIGER G	6	4	4	6	-	4	4	4	4	4
0.033	612	BI LI	TOKYOUENO	6	4	4	6	4	4	4	4	-	-
0.032	732	DA MAO	TORONTO	6	4	4	6	4	4	4	4	4	4
0.024	789	FU HU	TSINAN	6	2	4	4	4	4	4	4	4	4
0.016	526	LONG HUI	VIENNA	4	4	4	4	4	3	4	1	4	4
0.023	390	YONGMING	WAKAYAMA	6	2	-	4	3	-	4	3	2	4
0.029	782	HAI BING	WAKAYAMA	6	4	4	6	4	4	4	4	4	4
0.030	636	HUAN HUAN	WENLING S	6	4	4	6	-	4	4	4	4	-
0.030	530	YA GUANG	WENZHOU	6	4	4	6	4	4	4	4	4	4
0.033	670	JI YOU	WENZHOU	6	6	4	6	5	4	4	4	4	4
0.026	503	LU LU	WOLONG	6	4	4	6	-	4	4	4	4	4
0.028	619	WEI WEI	WUHAN	6	4	4	6	4	4	4	4	-	-
0.037	630	WU YI	WUXI	6	6	4	6	5	4	4	6	4	5
0.025	668	HUA LONG	XIUNING	6	4	4	6	-	4	4	4	4	4
0.028	599	XIAN ZI	XIXIAKOU	6	4	4	6	4	4	4	4	-	4
0.035	605	JING JING	XIXIAKOU	6	5	5	6	5	4	-	-	4	5
0.018	502	WU GANG	YAAN BC	4	3	3	4	3	3	4	2	3	4
0.004	579	YANGYANG	YAAN BC	1	6	6	1	6	6	6	4	6	6
0.021	586	TONG TONG	YAAN BC	4	3	4	4	3	4	4	4	3	4
0.025	592	LAN ZI	YAAN BC	6	-	4	6	4	2	4	3	4	4
0.015	609	HUI HUI	YAAN BC	4	4	4	4	4	4	4	4	4	4
0.008	623	BAI YANG	YAAN BC	1	4	4	1	4	4	6	3	4	6
0.003	661	YI BAO	YAAN BC	1	6	6	1	6	6	6	4	6	6
0.013	674	XIANG GE	YAAN BC	4	4	4	3	4	4	4	1	4	6
0.022	689	WU JUN	YAAN BC	4	3	3	4	3	2	4	4	3	4
0.020	719	AN AN	YAAN BC	-	3	3	4	3	3	3	3	-	-
0.028	743	JIN KE	YAAN BC	6	-	4	6	-	4	4	4	4	4
0.013	748	XIANG LIN	YAAN BC	4	4	4	3	4	-	4	1	4	6
0.031	707	YOU YOU	YABULI	6	4	4	6	4	4	5	4	-	-
0.025	841	YUAN XIN	YONG IN	6	4	4	6	4	-	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	6	6	4	6	5	4	4	6	4	5
0.036	644	SHUANG ER	ZIBO YSH	6	6	4	6	5	4	4	4	4	5

MK				0.018	0.025	0.019	0.028	0.019	0.012	0.001	0.025	0.018	0.022
Females > Name				572	631	643	651	654	691	702	740	755	756
MK	Males	Name	Location	JUN ZHU	MEI XI	CUI CUI	DUO DUO	XI DOU	WEN YU	WANG JIA	LIN BING	SHEN BIN	SHU QIN
0.001	327	AN AN	ABERDE HK	YAAN BC	YAAN BC	YAAN BC	YAAN BC						
0.019	606	LE LE	ABERDE HK	2	3	2	-	2	3	4	3	2	3
0.022	620	WANG WANG	ADELAIDE	3	4	4	3	-	-	6	4	3	2
0.027	536	XIAO JIAO	ANJI BAMB	3	4	3	4	3	4	6	4	4	3
0.029	575	QING ZAI	ANJI BAMB	4	4	4	4	4	4	6	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	4	4	4	4	6	6	5	4	4
0.021	461	YANG YANG	ATLANTA	2	2	2	3	2	3	6	3	3	2
0.023	736	YUAN ZI	BEAUVILLE	3	2	3	4	3	4	6	2	3	2
0.040	394	DADI	BEIJING	-	5	6	5	-	6	6	5	6	4
0.029	496	GU GU	BEIJING	6	4	6	4	4	4	6	6	4	4
0.024	770	ER XI	CHANGSHA	3	2	4	4	3	4	6	2	3	2
0.025	857	CHENG SHUANG	CHANGSHA	4	4	3	4	4	4	6	4	3	2
0.025	858	CHENG DUI	CHANGSHA	4	4	3	4	4	4	6	4	3	2
0.007	342	XIAO PINGPING	CHENPANDA	4	4	4	6	4	2	1	4	4	4
0.021	386	KEBI	CHENPANDA	2	3	2	3	2	3	4	3	2	2
0.024	520	BINGDIAN	CHENPANDA	3	2	3	4	3	4	6	2	3	2
0.024	532	FUFU	CHENPANDA	4	4	4	4	4	4	6	4	4	2
0.031	540	XIONGBING	CHENPANDA	4	4	4	4	4	4	6	4	4	4
0.027	573	LONGBING	CHENPANDA	3	4	4	4	3	4	6	4	3	3
0.028	574	QIUBING	CHENPANDA	4	4	4	4	3	4	6	4	4	4
0.038	584	YONGYONG	CHENPANDA	4	4	4	5	4	6	6	4	4	4
0.027	614	XINGBING	CHENPANDA	3	4	4	4	3	4	6	4	3	3
0.006	624	QIAO QIAO	CHENPANDA	4	4	4	6	4	3	1	4	4	4
0.038	627	LE SHAN	CHENPANDA	4	4	4	4	4	6	6	5	4	4
0.028	649	MEI LAN	CHENPANDA	3	4	3	4	3	4	6	4	4	3
0.015	711	GONG ZI	CHENPANDA	2	3	3	4	3	1	4	4	2	3
0.034	717	SHU XIANG	CHENPANDA	4	4	4	5	4	6	6	5	4	4
0.016	724	YING YING	CHENPANDA	2	3	2	4	2	2	4	3	2	3
0.023	731	XI LAN	CHENPANDA	3	2	3	4	3	4	6	2	3	2
0.029	738	YONG BING	CHENPANDA	4	4	4	4	4	4	6	4	4	4
0.014	788	YUAN LIN	CHENPANDA	2	4	2	4	2	1	4	4	2	3
0.026	792	DE DE	CHENPANDA	3	4	3	4	3	4	6	4	3	3
0.026	793	A BAO	CHENPANDA	3	4	3	4	3	4	6	4	3	3
0.032	825	LIU YI	CHENPANDA	4	4	4	4	4	4	6	4	4	4
0.001	831	LONG LONG	CHENPANDA	4	6	4	6	4	4	1	6	4	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	4	4	4	6	4	4	4
0.019	510	CHUANGCHUANG	CHIANGMAI	2	3	4	3	4	3	4	-	2	2
0.032	424	LINGLING	CHONGQING	4	4	4	-	4	6	6	4	4	4
0.029	513	LIANG LIANG	CHONGQING	4	4	4	4	4	4	6	4	4	-
0.025	518	LONG SHENG	DAFENG	4	4	4	4	4	4	6	4	4	2
0.031	688	QING FENG	DAFENG	4	4	4	4	-	4	6	4	4	4
0.030	768	JIN HU	DALIAN	4	4	4	-	4	4	6	4	4	4
0.026	742	YUN YUN	DEQING	-	-	4	4	4	4	6	4	-	3
0.021	488	YUAN YUAN	DJYGP BC	2	3	4	3	2	-	4	3	2	2
0.024	492	PENG PENG	DJYGP BC	4	4	4	4	4	4	6	4	4	2
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	3	4	3	4	4	4	2

MK Females > Name				0.018	0.025	0.019	0.028	0.019	0.012	0.001	0.025	0.018	0.022
				572	631	643	651	654	691	702	740	755	756
				JUN ZHU	MEI XI	CUI CUI	DUO DUO	XI DOU	WEN YU	WANG JIA	LIN BING	SHEN BIN	SHU QIN
MK	Males	Name	Location	YAAN BC	YAAN BC	YAAN BC	YAAN BC						
0.015	582	RONG RONG	DJYGP BC	4	-	4	4	4	1	4	4	4	3
0.022	595	TAI SHAN	DJYGP BC	4	4	4	4	4	3	6	4	4	2
0.026	746	XING RUI	DJYGP BC	4	4	3	4	4	4	6	4	3	-
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	4	4	4	6	4	4	2
0.025	747	XIANG LU	EMEI EP	3	2	3	-	3	4	6	4	3	-
0.026	758	LU LIN	EMEI EP	4	4	-	4	3	4	6	4	3	-
0.029	454	XIAO SHUANG	FUCHOW	4	4	4	4	4	4	6	4	4	4
0.025	525	LONG FEI	FUCHOW	4	6	4	4	4	4	6	4	4	3
0.029	538	LIN YANG	FUCHOW	6	4	6	4	4	4	6	6	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	4	4	4	6	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	4	4	4	4	6	6	5	4	4
0.021	607	XI WANG	GENGDA BC	4	4	-	3	4	4	4	4	4	2
0.011	752	ZI YAN	GENGDA BC	3	4	4	4	3	-	4	4	3	4
0.012	775	AO AO	GENGDA BC	3	-	3	4	3	1	4	4	-	4
0.023	778	CAI TAO	GENGDA BC	4	4	4	4	4	-	6	4	3	2
0.027	790	SHAN HU	HANGZHOUW	-	4	4	4	4	-	6	4	3	3
0.029	515	LIANGLIANG	HEFEI W	4	4	4	4	4	4	6	4	4	4
0.030	633	TAO TAO	HUAYING	4	4	4	-	4	4	6	4	4	4
0.019	830	YUN TAO	HUAYING	4	4	4	3	4	3	4	4	4	2
0.028	639	FU WA	KUALA LUM	4	4	4	4	4	4	6	4	4	-
0.024	685	FU LONG	LANGZHONG	4	4	4	4	4	4	6	4	3	4
0.026	852	HAN HAN	LINYI BG	4	4	-	4	3	4	6	4	3	-
0.025	714	NING NING	LIUGONGDA	3	2	3	4	4	4	6	4	3	-
0.027	662	MINGBING	LIUZHOU	3	4	4	4	3	4	6	4	3	3
0.034	666	SHU LING	LIUZHOU	4	4	4	5	4	6	6	5	4	4
0.035	851	SI YI	LONGTAN S	4	4	4	4	4	6	6	4	4	4
0.025	377	PING PING	LOUQUANTA	3	2	3	4	3	4	6	4	3	3
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	3	2	4	4	4	4	6	4	3	2
0.029	715	LELE	LOUQUANTA	4	4	4	4	4	4	6	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	3.5	3.5	3.5	1	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	3	4	3	4	3	4	6	4	4	3
0.026	519	BINGXING	MADRID Z	3	4	3	4	3	4	6	4	3	3
0.021	466	LELE	MEMPHIS	2	3	2	-	2	3	4	3	2	2
0.028	589	MEI LING	NANCHANG	4	4	3	-	4	4	6	4	4	4
0.022	772	ZHAO YANG	NANJING	4	-	4	4	4	4	6	4	-	2
0.026	786	QING SHAN	NANJING	4	4	4	4	4	-	6	4	3	4
0.027	458	TIAN TIAN	NZP-WASH	4	-	4	4	4	4	6	4	4	3
0.026	745	XING HUI	PAIRI DAI	4	4	3	4	4	4	6	4	3	-
0.021	613	YOU YOU	PANYU	2	3	2	-	2	3	4	3	2	2
0.028	744	YIN KE	PANYU	4	4	3	4	4	4	6	4	4	-
0.025	751	SHEN WEI	PANYU	4	4	6	4	4	4	6	4	4	2
0.038	628	LE SHUI	QINGDAO	4	4	4	4	4	6	6	5	4	4
0.004	415	GAOGAO	SANDIEGOZ	4	6	4	6	4	2	1	6	4	4
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	3	4	3	4	4	4	2

MK	Males	Name	Location	0.018	0.025	0.019	0.028	0.019	0.012	0.001	0.025	0.018	0.022
				572	631	643	651	654	691	702	740	755	756
				JUN ZHU	MEI XI	CUI CUI	DUO DUO	XI DOU	WEN YU	WANG JIA	LIN BING	SHEN BIN	SHU QIN
0.033	583	YA AO	SHANGHAI	-	4	4	-	4	6	6	4	4	4
0.028	721	AO YUN	SHENNONGJ	4	4	4	4	4	4	6	4	4	-
0.022	769	JIAO QING	SHENZHEN	3	2	2	4	2	4	6	2	3	2
0.014	787	YUAN ZHOU	SHENZHEN	2	4	2	4	2	1	4	4	2	3
0.030	529	YA XIANG	SHIH CHIA	4	4	4	4	4	4	6	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	4	4	3	4	3	4	4	4	2
0.022	690	WU JIE	SINGAPORE	4	-	-	4	2	4	6	4	-	2
0.029	588	TUAN TUAN	TAIPEI	4	4	4	-	4	4	6	4	4	4
0.025	669	HUA AO	TIGER G	4	4	3	4	4	4	6	4	3	-
0.033	612	BI LI	TOKYOUENO	-	4	4	-	4	6	6	4	4	4
0.032	732	DA MAO	TORONTO	4	4	4	4	4	4	6	4	4	4
0.024	789	FU HU	TSINAN	4	4	4	4	4	4	6	4	3	4
0.016	526	LONG HUI	VIENNA	4	3	6	4	3	2	4	-	2	3
0.023	390	YONGMING	WAKAYAMA	3	2	4	4	3	-	6	2	3	2
0.029	782	HAI BING	WAKAYAMA	4	4	4	4	4	4	6	4	4	4
0.030	636	HUAN HUAN	WENLING S	-	4	4	4	4	4	6	4	4	-
0.030	530	YA GUANG	WENZHOU	4	4	4	4	4	4	6	4	4	4
0.033	670	JI YOU	WENZHOU	4	4	4	4	4	6	6	4	4	4
0.026	503	LU LU	WOLONG	3	4	3	4	3	4	6	4	3	-
0.028	619	WEI WEI	WUHAN	4	4	3	-	4	4	6	4	4	4
0.037	630	WU YI	WUXI	4	4	4	4	4	6	6	5	4	4
0.025	668	HUA LONG	XIUNING	4	4	3	4	4	4	6	4	3	-
0.028	599	XIAN ZI	XIXIAKOU	4	4	4	4	4	4	6	4	4	-
0.035	605	JING JING	XIXIAKOU	4	5	4	4	4	6	6	6	4	4
0.018	502	WU GANG	YAAN BC	2	-	2	4	2	2	4	3	-	3
0.004	579	YANGYANG	YAAN BC	4	6	4	6	4	2	1	6	4	4
0.021	586	TONG TONG	YAAN BC	4	4	4	3	4	3	4	4	4	2
0.025	592	LAN ZI	YAAN BC	3	2	3	4	3	4	6	2	3	2
0.015	609	HUI HUI	YAAN BC	-	4	3	4	4	1	4	4	2	3
0.008	623	BAI YANG	YAAN BC	4	4	4	6	4	2	2	4	4	4
0.003	661	YI BAO	YAAN BC	4	6	4	6	4	2	1	6	4	4
0.013	674	XIANG GE	YAAN BC	2	-	2	4	2	1	4	4	-	3
0.022	689	WU JUN	YAAN BC	4	-	-	4	2	4	6	4	-	2
0.020	719	AN AN	YAAN BC	2	3	2	-	2	3	4	3	2	2
0.028	743	JIN KE	YAAN BC	3	4	3	4	4	4	6	4	4	4
0.013	748	XIANG LIN	YAAN BC	2	4	4	4	2	-	4	4	2	3
0.031	707	YOU YOU	YABULI	4	4	4	-	4	4	6	4	4	4
0.025	841	YUAN XIN	YONG IN	4	4	4	4	4	-	6	4	4	3
0.037	629	ZHEN DA	ZIBO YSH	4	4	4	4	4	6	6	5	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	4	4	4	4	4	6	5	4	4

MK				0.024	0.012	0.022	0.005	0.001	0.030	0.025	0.024	0.025
Females >				759	791	794	827	860	634	811	823	567
Name				YAO MAN	YANG HUA	HU CHUN	SU SHAN	QIAO QIAO	SI JIA	AI LI	ER QIAO	YING MEI
MK	Males	Name	Location	YAAN BC	YAAN BC	YAAN BC	YAAN BC	YAAN BC	YABULI	YANCHENG	YANCHENG	YANGZHOU
0.001	327	AN AN	ABERDE HK	6	4	6	1	1	6	6	6	6
0.019	606	LE LE	ABERDE HK	3	3	2	4	4	-	3	3	-
0.022	620	WANG WANG	ADELAIDE	4	3	4	4	6	4	2	2	2
0.027	536	XIAO JIAO	ANJI BAMB	4	4	3	6	6	4	4	4	4
0.029	575	QING ZAI	ANJI BAMB	4	4	4	6	6	4	4	4	4
0.037	780	ZHEN HAO	ANJI BAMB	4	6	4	6	6	4	4	4	4
0.021	461	YANG YANG	ATLANTA	2	3	2	4	6	4	4	4	3
0.023	736	YUAN ZI	BEAUVILLE	2	4	2	4	6	4	2	2	2
0.040	394	DADI	BEIJING	4	6	4	6	6	-	4	4	4
0.029	496	GU GU	BEIJING	4	4	6	6	6	4	4	4	4
0.024	770	ER XI	CHANGSHA	2	4	2	4	6	4	-	-	2
0.025	857	CHENG SHUANG	CHANGSHA	2	4	2	4	6	4	4	4	2
0.025	858	CHENG DUI	CHANGSHA	2	4	2	4	6	4	4	4	2
0.007	342	XIAO PINGPING	CHENPANDA	4	2	4	1	1	6	4	-	4
0.021	386	KEBI	CHENPANDA	3	3	2	4	4	4	4	4	3
0.024	520	BINGDIAN	CHENPANDA	2	4	2	4	6	4	2	2	2
0.024	532	FUFU	CHENPANDA	4	4	4	4	6	6	2	2	2
0.031	540	XIONGBING	CHENPANDA	4	4	4	6	6	4	-	-	4
0.027	573	LONGBING	CHENPANDA	4	4	3	6	6	4	-	-	4
0.028	574	QIUBING	CHENPANDA	4	4	4	6	6	4	-	-	4
0.038	584	YONGYONG	CHENPANDA	4	6	4	6	6	5	4	4	5
0.027	614	XINGBING	CHENPANDA	4	4	3	6	6	4	-	-	4
0.006	624	QIAO QIAO	CHENPANDA	4	3	4	1	1	6	4	4	4
0.038	627	LE SHAN	CHENPANDA	4	6	4	6	6	4	4	4	4
0.028	649	MEI LAN	CHENPANDA	4	4	3	6	6	4	4	4	4
0.015	711	GONG ZI	CHENPANDA	3	2	3	4	4	4	4	4	3
0.034	717	SHU XIANG	CHENPANDA	4	6	4	6	6	5	4	4	4
0.016	724	YING YING	CHENPANDA	3	2	3	4	4	4	4	4	3
0.023	731	XI LAN	CHENPANDA	2	4	2	4	6	4	4	4	2
0.029	738	YONG BING	CHENPANDA	4	4	4	6	6	4	6	6	4
0.014	788	YUAN LIN	CHENPANDA	4	1	3	3	4	4	4	4	4
0.026	792	DE DE	CHENPANDA	2	4	3	6	6	4	4	4	4
0.026	793	A BAO	CHENPANDA	2	4	3	6	6	4	4	4	4
0.032	825	LIU YI	CHENPANDA	4	4	4	6	6	4	4	4	4
0.001	831	LONG LONG	CHENPANDA	6	4	6	1	1	6	6	6	6
0.029	839	AOLIAO	CHENPANDA	4	4	4	6	6	4	-	4	4
0.019	510	HUANGCHUAN	CHIANGMAI	4	3	4	4	4	4	3	3	3
0.032	424	LINGLING	CHONGQING	4	6	4	6	6	-	4	4	-
0.029	513	LIANG LIANG	CHONGQING	4	4	4	6	6	4	4	4	-
0.025	518	LONG SHENG	DAFENG	4	4	4	6	6	4	2	2	2
0.031	688	QING FENG	DAFENG	4	4	4	6	6	4	4	4	4
0.030	768	JIN HU	DALIAN	4	4	4	6	6	-	4	4	-
0.026	742	YUN YUN	DEQING	2	4	-	6	6	4	4	2	4
0.021	488	YUAN YUAN	DJYGP BC	2	3	2	4	4	4	4	4	3
0.024	492	PENG PENG	DJYGP BC	4	4	4	4	6	4	2	2	2
0.000	542	DAI LI	DJYGP BC	3.5	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.020	563	MEISHENG	DJYGP BC	4	4	4	4	4	4	3	3	3

MK				0.024	0.012	0.022	0.005	0.001	0.030	0.025	0.024	0.025
Females > Name				759	791	794	827	860	634	811	823	567
MK	Males	Name	Location	YAAN BC	YABULI	YANCHENG	YANCHENG	YANGZHOU				
0.015	582	RONG RONG	DJYGP BC	4	2	4	4	4	4	3	3	3
0.022	595	TAI SHAN	DJYGP BC	4	3	4	4	6	4	4	4	2
0.026	746	XING RUI	DJYGP BC	-	4	3	6	6	4	4	4	4
0.000	989	ZI JIN	DJYGP BC	3.5	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.025	564	YANGGUANG	EDINBURGH	4	4	4	6	6	6	2	2	4
0.025	747	XIANG LU	EMEI EP	-	4	3	6	6	4	4	4	4
0.026	758	LU LIN	EMEI EP	-	4	-	6	6	4	4	4	4
0.029	454	XIAO SHUANG	FUCHOW	4	4	4	6	6	4	4	4	4
0.025	525	LONG FEI	FUCHOW	4	4	4	6	6	4	4	2	4
0.029	538	LIN YANG	FUCHOW	4	4	6	6	6	4	4	4	4
0.032	646	JIAO XIAO	FUCHOW	4	4	4	6	6	4	4	4	4
0.037	815	QIAO QIAO	FUDE TJ	4	6	4	6	6	4	4	4	4
0.021	607	XI WANG	GENGDA BC	4	3	4	4	4	4	4	4	3
0.011	752	ZI YAN	GENGDA BC	4	1	4	1	4	4	4	4	4
0.012	775	AO AO	GENGDA BC	4	1	-	3	4	4	4	4	4
0.023	778	CAI TAO	GENGDA BC	2	4	2	4	6	4	4	4	2
0.027	790	SHAN HU	HANGZHOUW	4	4	4	6	6	4	4	4	4
0.029	515	LIANGLIANG	HEFEI W	4	4	4	6	6	4	4	4	4
0.030	633	TAO TAO	HUAYING	4	4	4	6	6	-	4	4	-
0.019	830	YUN TAO	HUAYING	4	3	4	-	4	4	3	3	3
0.028	639	FU WA	KUALA LUM	-	4	4	6	6	4	4	4	4
0.024	685	FU LONG	LANGZHONG	4	4	4	4	6	4	2	2	4
0.026	852	HAN HAN	LINYI BG	-	4	-	6	6	4	4	4	4
0.025	714	NING NING	LIUGONGDA	-	4	3	6	6	4	4	2	4
0.027	662	MINGBING	LIUZHOU	4	4	3	6	6	4	-	-	4
0.034	666	SHU LING	LIUZHOU	4	6	4	6	6	5	4	4	4
0.035	851	SI YI	LONGTAN S	4	6	4	6	6	4	4	4	4
0.025	377	PING PING	LOUQUANTA	2	4	3	6	6	4	4	2	4
0.000	703	ABAO	LOUQUANTA	3.5	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.023	713	QIN CHUAN	LOUQUANTA	4	4	4	4	6	4	2	2	2
0.029	715	LELE	LOUQUANTA	4	4	4	6	6	4	4	4	4
0.000	802	QI ZAI	LOUQUANTA	3.5	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.000	803	ER LANG	LOUQUANTA	3.5	3.5	3.5	1	1	3.5	3.5	3.5	3.5
0.028	726	KAI KAI	MACAO CMA	4	4	3	6	6	4	4	4	4
0.026	519	BINGXING	MADRID Z	2	4	3	6	6	4	4	4	4
0.021	466	LELE	MEMPHIS	2	3	2	4	4	-	3	3	-
0.028	589	MEI LING	NANCHANG	4	4	4	6	6	-	4	4	-
0.022	772	ZHAO YANG	NANJING	2	4	-	4	6	4	2	2	2
0.026	786	QING SHAN	NANJING	4	4	3	6	6	4	4	4	4
0.027	458	TIAN TIAN	NZP-WASH	4	4	4	6	6	4	4	4	4
0.026	745	XING HUI	PAIRI DAI	-	4	3	6	6	4	4	4	4
0.021	613	YOU YOU	PANYU	2	3	2	4	4	-	3	3	-
0.028	744	YIN KE	PANYU	-	4	3	6	6	-	4	4	4
0.025	751	SHEN WEI	PANYU	4	4	4	6	6	4	4	4	2
0.038	628	LE SHUI	QINGDAO	4	6	4	6	6	4	4	4	4
0.004	415	GAOGAO	SANDIEGOZ	6	2	4	1	1	6	6	6	6
0.020	842	XIAO LIWU	SANDIEGOZ	4	4	4	4	4	4	3	3	3

MK				0.024	0.012	0.022	0.005	0.001	0.030	0.025	0.024	0.025
Females > Name				759	791	794	827	860	634	811	823	567
MK	Males	Name	Location	YAAN BC	YABULI	YANCHENG	YANCHENG	YANGZHOU				
0.033	583	YA AO	SHANGHAI	4	6	4	6	6	-	4	4	-
0.028	721	AO YUN	SHENNONGJ	-	4	4	6	6	4	4	4	4
0.022	769	JIAO QING	SHENZHEN	2	4	2	4	6	4	4	4	2
0.014	787	YUAN ZHOU	SHENZHEN	4	1	3	3	4	4	4	4	4
0.030	529	YA XIANG	SHIH CHIA	4	4	4	6	6	4	4	4	4
0.020	749	YUN ZI	SHIH CHIA	4	4	4	4	4	4	3	3	3
0.022	690	WU JIE	SINGAPORE	4	4	-	4	6	4	2	2	2
0.029	588	TUAN TUAN	TAIPEI	4	4	4	6	6	-	4	4	-
0.025	669	HUA AO	TIGER G	-	4	3	6	6	4	4	2	4
0.033	612	BI LI	TOKYOUENO	4	6	4	6	6	-	4	4	-
0.032	732	DA MAO	TORONTO	4	4	4	6	6	4	6	4	4
0.024	789	FU HU	TSINAN	4	4	4	4	6	4	2	2	4
0.016	526	LONG HUI	VIENNA	4	4	6	4	4	4	3	3	3
0.023	390	YONGMING	WAKAYAMA	2	4	2	4	6	4	-	-	2
0.029	782	HAI BING	WAKAYAMA	4	4	4	6	6	4	6	6	4
0.030	636	HUAN HUAN	WENLING S	-	4	4	6	6	4	4	4	4
0.030	530	YA GUANG	WENZHOU	4	4	4	6	6	4	4	4	4
0.033	670	JI YOU	WENZHOU	4	6	4	6	6	4	4	4	4
0.026	503	LU LU	WOLONG	-	4	3	6	6	4	4	4	4
0.028	619	WEI WEI	WUHAN	4	4	4	6	6	-	4	4	-
0.037	630	WU YI	WUXI	4	6	4	6	6	4	4	4	4
0.025	668	HUA LONG	XIUNING	-	4	3	6	6	4	4	2	4
0.028	599	XIAN ZI	XIXIAOKOU	4	4	4	6	6	4	4	4	-
0.035	605	JING JING	XIXIAOKOU	4	6	4	6	6	4	4	4	4
0.018	502	WU GANG	YAAN BC	3	2	-	4	4	4	3	3	3
0.004	579	YANGYANG	YAAN BC	4	-	4	1	1	6	6	6	6
0.021	586	TONG TONG	YAAN BC	4	4	4	4	4	6	3	3	3
0.025	592	LAN ZI	YAAN BC	2	4	2	4	6	4	4	4	2
0.015	609	HUI HUI	YAAN BC	3	4	3	4	4	-	3	3	3
0.008	623	BAI YANG	YAAN BC	4	2	4	-	2	6	4	4	4
0.003	661	YI BAO	YAAN BC	6	2	4	1	1	6	6	6	6
0.013	674	XIANG GE	YAAN BC	4	1	-	3	4	4	4	4	4
0.022	689	WU JUN	YAAN BC	4	4	-	4	6	4	2	2	2
0.020	719	AN AN	YAAN BC	3	3	2	4	4	-	3	3	-
0.028	743	JIN KE	YAAN BC	4	4	3	6	6	4	4	4	4
0.013	748	XIANG LIN	YAAN BC	4	1	3	3	4	4	4	4	4
0.031	707	YOU YOU	YABULI	4	4	4	6	6	-	4	4	-
0.025	841	YUAN XIN	YONG IN	4	4	4	6	6	4	4	4	4
0.037	629	ZHEN DA	ZIBO YSH	4	6	4	6	6	4	4	4	4
0.036	644	SHUANG ER	ZIBO YSH	4	6	4	6	6	4	4	4	4