

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

2011 Breeding and Management Recommendations
and
Summary of the Status of the Giant Panda
Ex Situ Population

11-13 November 2010
Fuzhou, China

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Executive Summary

This is a report on the meeting held 11-13 November 2010 in Fuzhou, China to update the analysis of the *ex situ* population of giant pandas, to discuss population goals and challenges, and to propose management strategies, breeding recommendations, and potential actions to address these challenges and achieve these goals. This is the ninth annual set of genetic management recommendations developed for giant pandas.

The current *ex situ* population of giant pandas consists of 318 animals (148 males, 168 females, 2 unsexed pandas) located in 50 institutions worldwide. In 2010 there were 36 births, 13 deaths and one panda rescued from the wild. Currently 83% of the population is captive born.

The genetic status of the population is currently healthy, with 52 founders represented and another 14 that could be genetically represented if they were to successfully breed. There are only 6 inbred animals in the population. However, the number of breeding options within institutions will become limited, as many of the breeding aged animals within institutions are related. Individuals, or sperm, will need to be transferred among institutions in the near future to avoid pairing highly related individuals.

There are 71 giant pandas in the studbook with unknown or uncertain sires. Most of these are pandas that were born in 2006 or later. Because of these unconfirmed paternities, about one-half of the pandas in the living population have at least some uncertainty in their pedigree. The result is that 18% of the gene pool of the *ex situ* population is derived from uncertain ancestry.

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 genetic management recommendations is made. This report contains the list of giant pandas that need to have their paternity verified (see Table 3). Plans should continue to resolve as many of these uncertainties within the next year as possible.

Population growth has exceeded expectations, averaging over 11% annual growth for the past six years, and the global giant panda population has surpassed its initial target population size of 300 animals. The participants of the 2009 Giant Panda Genetic Management Technical Meeting discussed the purposes and status of the *ex situ* population and revised the population goal to the **new goal 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. Greater emphasis will be placed on genetic management and natural reproductive and parental care behaviors. Additional discussions and analyses are needed to evaluate the status and threats of the wild population, to develop a systematic plan for reintroduction, and to determine how *ex situ* conservation efforts can support *in situ* giant panda conservation. Challenges to *ex situ* management and related conservation efforts were identified, along with potential actions and projects to address these challenges.

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***Ex Situ* Giant Panda Management Program**

Introduction

This is a report on the meeting held 11-13 November 2010 in Fuzhou, China to update the analysis and breeding plan of the *ex situ* population of giant pandas, and to review and revise management strategies and other related activities to support its conservation. Workshop participants reviewed the program goals, status, progress, and challenges; revised the breeding recommendation process to strengthen genetic management; and reviewed potential actions to address current challenges. The meeting was organized by the Chinese Association of Zoological Gardens (CAZG), and facilitated by the IUCN Conservation Breeding Specialist Group (CBSG).

The goals of the technical workshop were to:

- update the studbook with reports from all participating institutions;
- update the demographic and genetic analyses of the *ex situ* population;
- review the goals and challenges for the *ex situ* population;
- identify potential actions to address these challenges; and
- formulate recommendations for breeding and management to promote these goals.

Population Goals

Participants at the 2010 Giant Panda Technical Meeting reviewed the status of the *ex situ* giant panda population and progress made and reaffirmed the giant panda *ex situ* conservation goal as:

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 *in situ* population.

In 2002 the Technical Committee adopted the quantitative program goal to maintain an *ex situ* giant panda population that is capable of maintaining 90% of the wild population's genetic diversity for 100 years with a target population size of at least 300 giant pandas. Concerted collaborative efforts in population growth and improved husbandry and management led to significantly higher growth rates than projected (about 11% annual growth), allowing the population to meet this target easily by 2010 (Figure 1).

In 2009 the Technical Committee revised the program goal to maintain at least 90% gene diversity for 200 years with a target population size of approximately 500 (400-600) giant pandas. A longer timeline was adopted due to the uncertainty surrounding the possible significant threats of climate change and habitat destruction. The rate of growth toward this new target size can be slowed, and increased effort will be placed in genetic management and natural reproductive and parental behaviors. Genetic management is the most effective method of maintaining a genetically viable *ex situ* population capable of supporting a wild panda population.

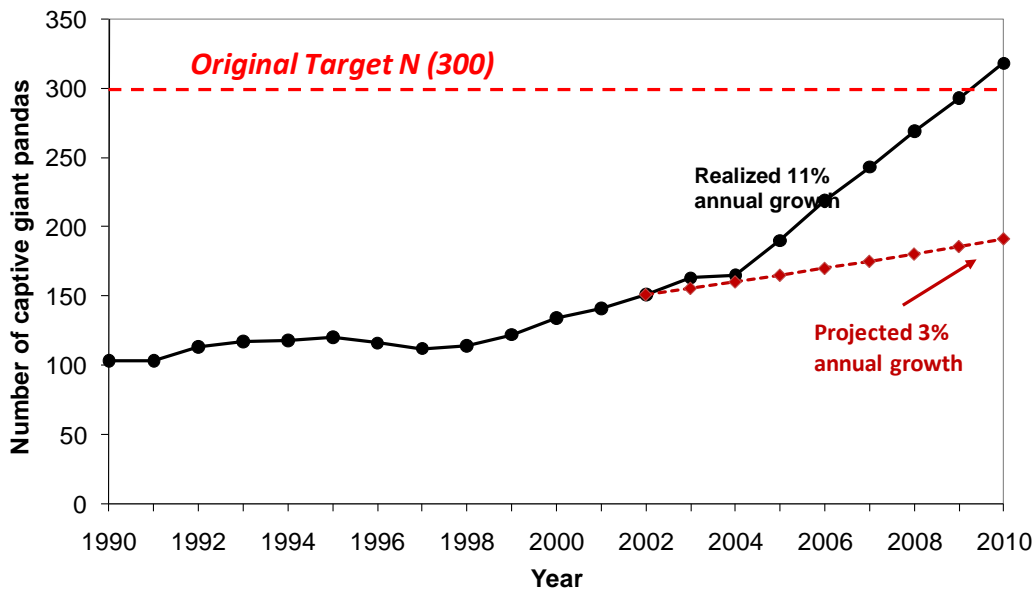


Figure 1. Projected (dashed red line) and actual (solid black line) growth of the *ex situ* giant panda population from 2002 to 2010.

Past and Current Breeding Strategy

As the giant panda population approaches its target population size, it is leaving the rapid growth phase of captive management and entering the maintenance phase, in which greater emphasis is placed on genetic management rather than population growth (Figure 2). There is less need for population growth – fewer litters will be needed, and more emphasis can be placed on breeding pairs with low MSI scores and individuals with low MK values to promote retention of gene diversity in the population. Greater emphasis can be placed on breeding the 14 potential founders (wild-caught giant pandas) that have not yet reproduced as well as more genetically valuable (rare) family lines.

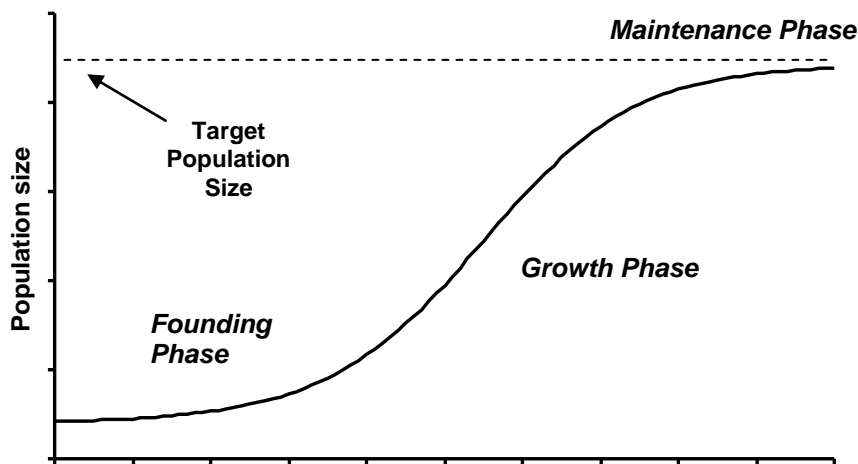


Figure 2. Stages of development of a managed captive population.

Since 2002 there has been a focus on population growth, with a general strategy of attempting to breed all healthy adult females to maximize growth. For institutions with multiple available males or sperm samples, it was recommended to choose males as mates that result in MSI scores of 1 to 4. Although breeding pairs with MSI = 4 are slightly detrimental to the genetic status of the population, this compromise between growth and genetic management was viewed as reasonable during the rapid growth phase of the *ex situ* population. Pairings with MSI > 4 were discouraged unless no other alternative was possible, because these pairings are genetically harmful to the population (see Appendix D for further explanation). This strategy promoted rapid population growth while applying some level of genetic management through the selection of males.

While there is a need to continue to grow the population toward the new larger target population size, rapid growth is no longer critical or perhaps even practical. Strong population growth is not needed immediately for either demographic or genetic reasons, and in fact, the breeding of many young animals can reduce generation time and increase the loss of gene diversity. Growth is also not necessary to produce extra pandas for immediate release. To some extent, growth rate may be a practical issue in terms of facility capacity and space rather than a biological issue at this time.

The Technical Committee has agreed that greater emphasis now should be placed on genetic management and fostering natural behaviors. This will promote a better chance of success if pandas are used for reintroduction efforts in the future. The following specific recommendations were made in 2009 and reaffirmed in 2010:

1. Priority should be given to breeding pairs with MSI = 1 to 3, especially for those institutions with more than two pandas and with pairing choices. This will improve gene diversity, reduce inbreeding, and possibly slow the growth of the population.
2. There is no need to attempt to breed all adult females; instead, breeding efforts should concentrate on genetically valuable females. The relative genetic value of individual giant pandas can be determined from the mean kinship list (Appendix C), which lists males (left column) and females (right column) from the most genetically valuable at the top to the least valuable at the bottom of the list. Concentrating breeding on the most genetically valuable animals (under-represented genetic lines) will improve gene diversity and slow growth.
3. Efforts should be made to breed any wild-caught pandas that have not produced surviving offspring.
4. Place greater emphasis on natural mating and rely less on artificial insemination (AI), which will promote natural reproductive behaviors necessary for successful reintroduction and possible slow growth.
5. Place greater emphasis on leaving panda cubs with their mothers for nurturing and behavioral experience, which will increase the chance of success for reintroduction by promoting necessary parental care behaviors.

2011 Breeding Recommendations

During previous Technical Committee meetings for giant pandas, specific breeding recommendations for each female were made during the meeting. These recommendations were made based on the Mate Suitability Index (MSI) score for each possible male-female breeding pair and also considered the health, behavior and location of each animal.

Because of time limitations at the 2010 Technical Meeting, it was decided that each institution could use the MSI tables themselves to determine the best pairings at the time of breeding instead of making these specific recommendations at the meeting. The MSI tables for the 2011 breeding season can be found in Appendix D of this report, and provides an MSI score for all potential breeding males and females in the population (females listed across the top and males listed on the left). These MSI tables and guidelines for using MSI ratings based on the recommendations above were provided to giant panda holding institutions in December 2010.

A new additional consideration has been added to the breeding recommendation process to increase the intensity of genetic management. To assist institutions in choosing genetic valuable individuals for breeding, additional information has been included in the MSI tables. Each individual is listed by its studbook number along with its location and also a rating of its genetic value to the population. Efforts should be made to breed males and females with “Very Good” (很好) and “Good” (好) mean kinship values. This information is now placed on the MSI tables for each individual. These are the priority pandas for breeding (or sperm collection and cryopreservation) to preserve genetic diversity in the *ex situ* population.

After reviewing these matrices, giant panda holding institutions are asked to send their breeding pair recommendations for 2011 (including sperm to be used for AI attempts) to Xie Zhong. These recommended pairings will be reviewed to ensure that both genetic and demographic population goals are supported. It will be important to document and report all breeding attempts, including those that do not lead to pregnancy or births. This will allow success to be measured by the quality of the breedings that were attempted instead of the number of panda cubs that are produced. Another benefit will be the compilation of data on factors related to both successful and unsuccessful reproduction, which can be used to increase reproductive success in high priority (genetic valuable) animals and to better predict the number of births expected each year.

Status of Captive Population

Data Analysis and Pedigree Assumptions

Data were taken from the 11 November 2010 version of the *International Giant Panda Studbook* compiled by Xie Zhong, CAZG, and Jonathan Gipps, Bristol Zoo, using the ISIS Single Population Analysis and Record-Keeping System (SPARKS) v1.56 software program. PM2000 v1.213 software (Pollak, Lacy and Ballou) was used to conduct both demographic and genetic analyses (see Appendix A for more information). 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. 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 71 pandas listed in the studbook with uncertain paternity. Only 48 pandas with uncertain sires affect the living gene pool, many of which were born between 2006 and 2010 (listed in Appendix B). The uncertain paternity of these 48 individuals results in 18% of the living gene pool being unknown.

Certain assumptions about paternity were made in this analysis to assess the population status, genetic value of individual pandas, and the degree of relatedness between pandas. Sire assumptions made for 54 individuals born between 2006 to 2009 were found to be 69% accurate in terms of accounting for the genetic sire representation when compared with the true sire confirmed later through molecular DNA analysis. While such assumptions are useful, and even necessary, the genetic analyses for this *ex situ* population are not completely accurate due to the uncertain paternity remaining in the pedigree.

Molecular analyses are needed to resolve the paternity of these 48 pandas as soon as possible since genetic management recommendations will not be accurate with these unknowns in the pedigree.

Demographic Status

The current *ex situ* population of giant pandas consists of 318 animals (148 males, 168 females, 2 unsexed pandas) located in 50 institutions worldwide. In 2010 there were 36 births, 13 deaths, and one panda rescued from the wild.

From 1990 until 2004 the population grew about 4% annually (Figure 3). However, reproduction over the last six years has been outstanding, resulting in an annual population increase of 9-15% for 2005 to 2010. The age structure of the living population is healthy and indicative of a population that would be expected to continue to grow (Figure 4). A greater proportion of adult pandas have reproduced, especially females (from 41% in 2002 to 68% in 2010), which contributes positively to growth as well as effective population size (N_e) (N_e/N increased from 0.22 in 2002 to 0.27 by 2010).

The increased reproduction over the last 20 years has also resulted in a shift in the proportion of animals in the population that are captive-born. Before 1996, the majority of the population was wild-caught. However, since 1997 the majority has been captive-born, with that percent currently at 83%.

Females are generally reproductive from 5-20 years of age, while male fertility can continue into the 20s. Mean generation time for the population is 10.5 years. Litters consist of 1-2 cubs with almost equal frequency (two litters of triplets have been observed), producing a mean litter size of 1.5 cubs. Average cub survival to 30 days from 1990 to present has been about 80%. Cub survival has improved in recent years due in part to improved rearing techniques for twins and rejected cubs and has averaged 85% since 1998 (Figure 5). About 50% of males survive to age 14, 25% survive to age 22, and only about 10% survive to age 28; female survivorship is slightly better, with about 50% reaching age 17, 25% surviving to age 27, and 10% surviving to age 34. These values include wild-caught pandas whose ages are estimated.

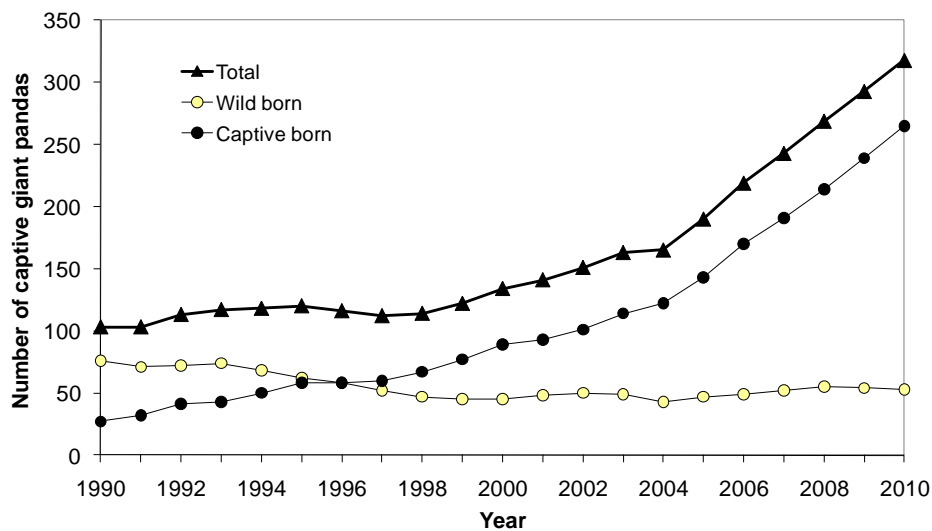


Figure 3. Growth of the captive giant panda population.

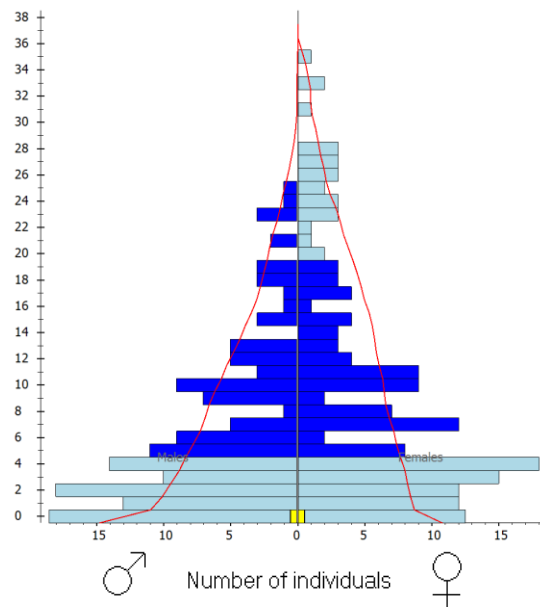


Figure 4. Age and sex structure of the 2010 population. Dark blue are breeding age individuals; light blue are immature (at bottom) or post-reproductive (at top) pandas.

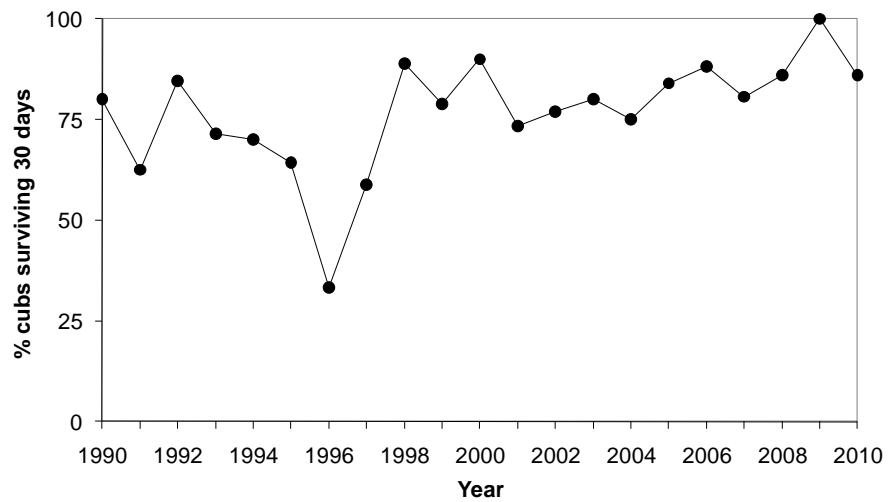


Figure 5. Cub survival (% surviving to 30 days of age) over time.

Genetic Status

The *ex situ* giant panda population has descended from 52 wild-caught founders (founders are defined as animals caught in the wild that have successfully produced offspring or descendants in the current population). There are an additional 14 wild-caught 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 97.2% of the genetic diversity of the wild population. This level of genetic diversity has a founder genome equivalent (*fge*) of 18.1, which means that the population has the same level of genetic diversity as a population newly established with 18 unrelated founders. The genetic contribution of founders is highly skewed, with 27% of the gene pool derived from only 4 founders (Figure 6). 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 14 founders fully incorporated into the population. The population would then have a founder genome equivalent of 54.1 (Table 1). Managing the population to minimize average kinship has been shown to be the optimal method for retaining genetic diversity in the population. Managing by mean kinship will automatically identify descendants from the under-represented founders as priority breeders.

Table 1. Genetic summary of the 2010 *ex situ* population.

# Founders	52
# Potential additional founders	14
Proportion genetic diversity retained	0.9724
Potential proportion of genetic diversity retained	0.9908
Founder genome equivalents (<i>fge</i>)	18.11
Potential <i>fge</i>	54.10
Average inbreeding	0.0018

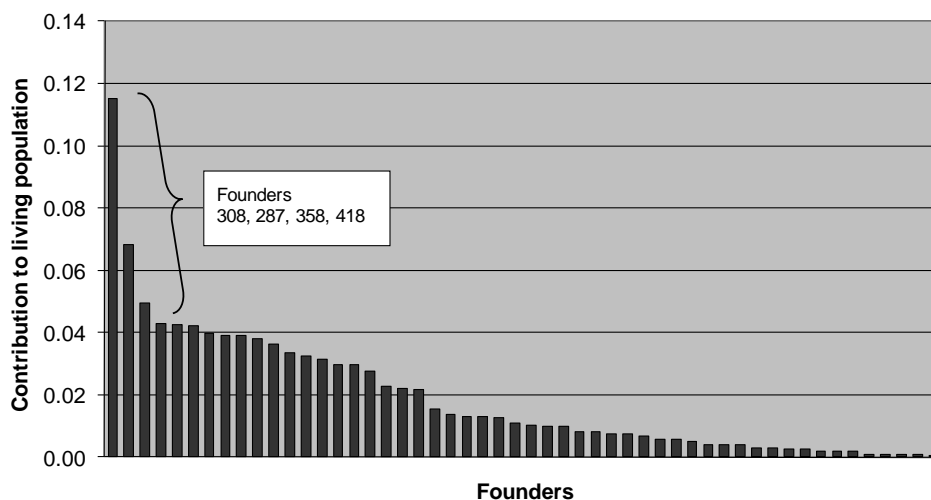


Figure 6. Genetic contribution of the 52 founders to the *ex situ* population gene pool. Each bar shows the contribution of a single founder. About 27% of the gene pool derives from only four founders (the left-most founders: 308, 287, 358 and 418).

Current inbreeding levels in the population are low, with only 6 inbred animals (under the parentage assumed for this analysis). 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. 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, 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.

Trade Offs Between Population Growth and Genetic Management

The current population goals for the *ex situ* giant panda population include both demographic and genetic goals: to expand the population to the desired population size (demographic goal) and to maintain at least 90% gene diversity in the population for 200 years (genetic goal). These two primary objectives (population growth and genetic management) do not always support each other and can be contradictory. Extreme focus on population growth (ignoring genetic management) might entail using only one or a very few highly successful males to accomplish all of the breedings during a given year. This might result in a higher number of cubs produced, hence a larger population size, but would also result in all or most of the offspring being related to each other. As a consequence, as is often the case, future inbreeding would result in an unhealthy population with high mortality rates and low reproductive rates. This strategy would achieve a large, but genetically unhealthy, population.

On the other hand, an extreme focus on genetic management (ignoring demographics) might entail trying to breed only the most underrepresented males and females. Certainly the number of females reproducing and number of cubs produced would decline. Reproductive rates might be too low to sustain the population. This strategy would result in a genetically healthy, but small or declining population.

Population management then becomes a balance between demographic management and genetic management: achieving sufficient (but not maximum) reproduction among a genetically good (but maybe not ideal) set of individuals. This often means compromising both population growth and genetic management. There will be some loss of reproduction when inexperienced males and female are paired and some genetic compromises when breeding are set up among some genetically over-represented pairs to ensure enough reproduction occurs. This is a challenge that all managed populations face, not only giant pandas.

2009 Population Management Discussion and Recommendations: Summary of Major Points

At the 2009 Technical Meeting a plenary discussion was held among the workshop participants to revisit the population goals and management strategy to be implemented during this new phase of *ex situ* population development. The following is a summary of the topics discussed (see *2010 Breeding Strategy Recommendations Report* for more details).

Purposes of the *Ex Situ* Population

The *ex situ* giant panda population must be self-sustaining (not requiring periodic addition of new wild-caught founders) so that its maintenance does not cause any pressure on the wild panda population. Many purposes or functions were identified for the *ex situ* population, including:

- Source of pandas for reintroduction needs
- Insurance population against decline or loss of the wild population
- Research opportunities
- Resource for developing techniques that can support wild panda conservation in China
- Economic and political benefits to support wild population conservation
- Resource for public education and public awareness

Revising Population Goals

The genetic goal is to maintain a genetically healthy (self-sustaining) *ex situ* population, with a similar genetic composition as the wild population, so that it can serve effectively as a genetic reservoir and source population for reintroduction or release. Major threats to the wild panda include habitat destruction and the potential negative impacts of climate change – the degree of these threats and their associated timelines are unknown. Also unknown is the extent to which habitat restoration can and will occur. Because of these uncertainties, a longer timeline (200 years) was adopted for the *ex situ* population with a target population size of 400-600 giant pandas. It was recognized that the possibility of two subspecies of giant panda could have significant implications for the *ex situ* program and its achievable goals.

Challenges

The participants recognized several challenges to meeting the above goals:

- Taxonomic uncertainty regarding one vs two subspecies
- Paternity uncertainty (unknown sires in the pedigree)
- Incomplete compliance with the recommendations
- Natural disasters and their impact on both the *ex situ* and *in situ* populations (e.g., earthquake, infectious disease, climate change, cyclic bamboo blooming)
- Status and threats to the wild population, and therefore the need for reintroduction is unknown.
- Public perception that funds are not used valuably.

Ex Situ Support for In Situ Conservation

The participants identified many ways in which the *ex situ* population or *ex situ* community can and should support the conservation of giant pandas in the wild, including:

- The *ex situ* population should be capable of providing giant pandas for release if this is deemed necessary.
- There is the potential for the exchange of genetic material (via sperm) in both directions between the *in situ* and *ex situ* populations.
- The *ex situ* community is a funding source for research and *in situ* conservation activities.
- There is the potential for technology transfer between the *ex situ* and *in situ* communities.

Examples include:

- Disease risk assessment and prevention in the wild
- Technology for evaluation the health status of the wild population
- Techniques for censusing, density estimates, and carrying capacity
- Technology for evaluating the population structure of the wild population
- Techniques for habitat assessment

Management Recommendations

The following recommendations were made to help address the challenges identified above and to work toward the program goals and promote conservation of giant pandas:

Recommendation 1: Revise the *ex situ* population goal to the maintenance of at least 90% gene diversity for 200 years by maintaining a global population of 400-600 giant pandas and increasing genetic management efforts.

Recommendation 2: Place greater emphasis on genetic management (quality) of the population, rather than on rapid population growth (quantity). This can be accomplished by following the proposed new breeding strategy of selecting breeding pairs with MSI 1 to 3 (when a choice of mates is available) and concentrating breeding on genetically valuable females and potential founders (wild-caught pandas that have not produced surviving offspring).

Recommendation 3: Encourage natural reproductive and parental care behaviors by encouraging natural mating and relying less on artificial insemination, and by placing greater emphasis on allowing females to rear their offspring. Promoting natural reproductive and parental care behaviors will increase the probability of success of any future releases or reintroduction efforts.

Recommendation 4: Ensure accurate, timely and complete paternity testing using DNA analysis for all giant pandas with uncertain sires, both for the current population and in the future. Accurate pedigree (sire) information is essential to correctly assess the genetic value of each animal and select pairs for breeding for effective genetic management. This has been a HIGH PRIORITY recommendation for several years.

Recommendation 5: Increase collaboration among institutions within China to promote effective population management and strengthen research and conservation activities for giant pandas.

Recommendation 6: Encourage the development of a standardized giant panda state-wide management policy.

Recommendation 7: Include the Chengdu Research Base as part of the wild animal rescue system for pandas.

Recommendation 8: Explore the possibilities and effects of exchanging sperm between *ex situ* and *in situ* giant panda populations. Sperm from captive genetically valuable males should continue to be collected and stored for future use.

Recommendation 9: Investigate the taxonomic subspecies issue for giant pandas and the potential implications for *ex situ* and *in situ* management.

Recommendation 10: Increase public awareness and encourage the public to take action to conserve giant pandas and financially support giant panda conservation.

Recommendation 11: Conduct a comprehensive workshop to discuss *in situ* conservation for giant pandas. This should include several components, such as population viability analysis, habitat assessment, disease risk assessment, threats assessment, reintroduction needs, and the role of the *ex situ* population and *ex situ* community in supporting wild giant panda conservation.

2010 Population Management Discussion: Program Challenges and Potential Actions

Many challenges for *ex situ* giant panda management and conservation have been identified, including challenges discussed during the 2009 Technical Meeting and in presentations by the members of the Technical Committee and colleagues. These challenges were outlined during a plenary presentation and discussion at the 2010 Technical Meeting, along with potential actions that have been suggested to address these challenges. Below is a summary of these challenges and potential actions for further consideration.

CHALLENGE 1: Reduced Growth

Several management changes have been recommended that are likely to slow population growth. These include:

- Emphasis on breeding pairs with low MSI
- Focus on breeding genetically valuable pandas, especially wild-caught animals with no offspring
- More concentration on natural mating
- Longer weaning time with mother

Possible Actions:

- Monitor population growth and ensure enough reliable pairings to continue to grow the population.
- Gain a better understanding of factors related to reproductive success (e.g., age, time since last offspring born, breeding experience, mate options, breeding technique, housing situation for breeding pairs).
- Establish a training program for genetically valuable males that do not breed naturally to improve their reproductive success.

CHALLENGE 2: Insufficient Capacity

Current facilities are inadequate to accommodate increased growth (of an additional 100-300 giant pandas).

Possible Actions:

- Seek to expand panda facilities (capacity).
- Determine desired growth rate based on projections of available space, and breed the number of pandas needed to achieve that rate of growth.
- Determine additional pandas (and additional growth) needed to meet future reintroduction needs.

CHALLENGE 3: Paternity Uncertainty

Uncertain paternity (multiple possible sires) prevent accurate genetic analysis and genetic management, and limit the ability to avoid inbreeding.

Recommendation:

Ensure accurate, timely and complete paternity testing using DNA analysis for all giant pandas with uncertain sires, both for the current population and in the future (HIGH PRIORITY). SFA instructed CAS to do paternity testing in 2010; such testing should continue.

Possible Actions:

- Establish a plan for ensuring yearly paternity testing.
- Allot a special fund for paternity testing to facilitate timely completion of testing.

CHALLENGE 4: Compliance and Collaboration

- Need to increase collaboration among institutions within China to promote effective population management and strengthen research and conservation activities for giant pandas.
- There is incomplete compliance with management recommendations.

Possible Actions:

- Establish a national policy for sharing breeding resources and sperm among different organizations.
- Encourage breeding for quality (genetic management) rather than just for quantity (number of cubs) through incentive program.
- Establish a general fund that can be used to assist with implementing recommendations.

Recommendation:

- Sperm from captive genetically valuable males should continue to be collected and stored for future use.

CHALLENGE 5: Infectious Disease

There is a risk of infectious disease in centralized panda populations and when pandas are transferred between institutions or between *ex situ* and *in situ* populations.

Possible Actions:

- Decentralize the population to reduce risk.
- Use precautions and vaccines to reduce disease risk, particularly in large population centers.
- Conduct research on disease prevention, monitoring and treatment of infectious disease.
- Consider engaging CBSG's assistance, including using its disease risk assessment tools and/or consulting with members who are veterinary specialists in disease issues.
- Investigate the antibiotic resistance in captive and wild giant pandas.
- Initiate a study of the intestinal tract bacteria before reintroductions take place.

CHALLENGE 6: Wild Population Data Gaps

Status and threats to the wild population are unknown, and therefore the need for reintroduction is unknown; this information needs to be assessed.

Possible Actions:

- Conduct research that contributes to the understanding and conservation of the wild giant panda population and habitat (e.g., habitat assessment, threats assessment, population monitoring).
- Conduct a population viability analysis (PVA) or population and habitat viability assessment (PHVA) to assess potential management strategies, including reintroduction.

CHALLENGE 7: Reintroduction Plan

There are many complexities to achieving effective reintroduction. Many characteristics of the individuals selected for release must be considered, including age, sex, behavior, health, and genetic value. Habitat suitability, threat reduction, risk of disease transmission, genetic considerations, impact on the wild population, impact on the *ex situ* population, logistics, and other factors must also be considered. The *IUCN Reintroduction Guidelines* provide guidance on when, where, and how to conduct reintroduction activities for conservation benefit. There is a need for further research and for the development of a systematic plan to prepare for all aspects of reintroduction.

Possible Actions:

- Evaluate the current available information and situation, and develop a scientific and systematic plan for actions leading to reintroduction.
- Determine what research is needed prior and during reintroduction efforts
- Conduct research needed to prepare for future reintroduction efforts.

Recommendation:

Conduct a comprehensive workshop to discuss *in situ* conservation for giant pandas. This should include components such as population viability analysis, habitat assessment, disease risk assessment, threats assessment, reintroduction needs, and the role of the *ex situ* population and *ex situ* community in supporting wild giant panda conservation.

CHALLENGE 8: Low Environmental Consciousness

There is a large gap between the environmental consciousness of the public in China and the conservation needs of China's wildlife and environment. There is a great need for public education.

Recommendation:

Increase public awareness and encourage the public to take action to conserve giant pandas and financially support giant panda conservation.

CHALLENGE 9: Perception of Use of Funds

There is a public perception that funds for giant panda conservation are not used valuably; we need to demonstrate that they are.

Summary of Potential Projects / Actions

Below is a list of suggested projects or actions that would benefit the management and conservation of the *ex situ* giant panda population and promote its ability to contribute to *in situ* panda conservation. This list may serve as a source to giant panda managers, researchers, collaborators and potential funders to guide future projects.

POPULATION MANAGEMENT NEEDS:

- Sperm Cryopreservation: Identify genetically valuable males based on mean kinship values; collect and store sperm from these males for future use.
- Training Program: Establish a training program for genetically valuable males that do not breed naturally to improve their reproductive success.
- Capacity Expansion: Seek to expand panda facilities (capacity) to accommodate additional population growth to at least 400 pandas. This can be accomplished through expansion of existing facilities, construction of new facilities, and/or incorporating more zoos into the giant panda program.
- Disease Prevention: Use precautions and vaccines to reduce disease risk, particularly in large population centers.
- Rescue: Include the Chengdu Research Base as part of the wild animal rescue system for pandas.

DATA ANALYSIS NEEDS:

- Paternity Testing: Establish a plan for ensuring yearly paternity testing, include identification of funding sources.
- Space Analysis: Conduct an analysis of projected available space for giant pandas; determine desired growth rate based on these projections; breed the number of pandas needed each year to achieve that rate of growth; and adjust pairings each year to continue to grow the population as desired.
- Reproductive Success: Gain a better understanding of factors related to reproductive success by compiling data on the characteristics of pandas that are given breeding opportunities and correlating these with reproductive success (e.g., age, time since last offspring born, breeding experience, mate options, breeding technique, housing situation for breeding pairs).

RESEARCH NEEDS:

- Infectious Disease: Conduct research on disease prevention, monitoring and treatment of infectious disease.
- Disease Risk Assessment: Explore the use of CBSG Disease Risk Assessment tools in reducing the risk of disease.
- Resistance: Investigate the antibiotic resistance in captive and wild giant pandas.
- Intestinal Bacteria: Initiate a study of the intestinal tract bacteria before reintroductions take place.
- In Situ Research: Conduct research that contributes to the understanding and conservation of the wild giant panda population and habitat (e.g., habitat assessment, threats assessment, population monitoring).

- Taxonomy: Investigate the taxonomic subspecies issue for giant pandas and the potential implications for *ex situ* and *in situ* management.
- Genetic Exchange: Explore the possibilities and effects of exchanging sperm between *ex situ* and *in situ* giant panda populations.
- Reintroduction: Conduct research needed to prepare for future reintroduction efforts.

PUBLIC AWARENESS AND EDUCATION NEEDS:

- Public Awareness: Increase public awareness and encourage the public to take action to conserve giant pandas and financially support giant panda conservation.

CONSERVATION PLANNING:

- PHVA Workshop: Conduct a comprehensive workshop to discuss *in situ* conservation for giant pandas. This should include components such as population viability analysis, habitat assessment, disease risk assessment, threats assessment, reintroduction needs, and the role of the *ex situ* population and *ex situ* community in supporting wild giant panda conservation.
- Reintroduction Strategy: Evaluate the current available information and situation (such as the information resulting from a PHVA or similar processes), and develop a scientific and systematic plan for actions leading to successful reintroduction.

POLICY/FUNDING NEEDS:

- Paternity Testing: Allot a special fund for paternity testing to facilitate timely completion of testing.
- Breeding Policy: Establish a national policy for sharing breeding resources and sperm among different organizations.
- National Plan: Encourage the development of a standardized giant panda state-wide management policy.
- Incentive Program: Encourage breeding for quality (genetic management) rather than just for quantity (number of cubs) through incentive program.
- Management Fund: Establish a general fund that can be used to assist with implementing recommendations.

APPENDIX A: Assumptions about breeding population for analysis.

Data were taken from the 11 November 2010 version of the *International Giant Panda Studbook* compiled by Xie Zhong, CAZG, and Jonathan Gipps, Bristol Zoo, using the ISIS Single Population Analysis and Record-Keeping System (SPARKS) v1.56 software program. PM2000 v1.213 software (Pollak, Lacy and Ballou) was used to conduct both demographic and genetic analyses. Demographic characteristics of the population were analyzed for the period from 1 January 1990 to 11 November 2010. 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 35 pandas were excluded from the genetic analysis due to old age or chronic poor health and are listed in Table 2. These pandas were excluded because they are not considered to be able to breed in the future and therefore can no longer contribute to the genetic diversity of the captive population. This left 283 pandas in the genetic population analysis, including three males that are considered too old to breed naturally but can sire offspring through artificial insemination (SB 342, 357, and 377). Twelve of the excluded pandas are wild-caught animals that did not produce any offspring. The loss of genetically valuable (underrepresented) pandas from the potential breeding pool decreases the gene diversity of the population.

Table 2. Giant pandas (n = 35) excluded from the 2010 genetic analyses.

ID	Age	Sex	Location	Reason
203	34	F	FUZHOU	Too old
208	32	M	BERLINZOO	Too old
214	33	F	PANYU	Too old
230	32	F	ABERDE HK	Too old
247	28	F	DALIAN	Too old
253	28	F	CHONGQING	Too old
264	30	F	FUZHOU	Too old
278	26	F	CHENPANDA	Too old
291	25	F	MEXICOCTY	Too old
297	25	F	HANGZHOU	Too old
308	25	M	YAAN BC	Too old
312	27	F	CHENGDU	Too old
314	24	F	CHENPANDA	Too old
320	24	F	BEIJING	Too old
332	23	F	MEXICOCTY	Too old
358	26	F	PANYU	Too old
365	27	F	SHANGHAIW	Too old
373	19	F	CHENPANDA	Poor health
374	21	F	YAAN BC	Too old
382	19	F	YAAN BC	Too old
397	27	F	YAAN BC	Too old
404	17	F	GUILIN	Poor health
416	17	F	YAAN BC	Poor health
418	22	F	YAAN BC	Too old
444	22	F	LOUGUANTA	Too old
446	23	F	XIAMEN	Too old
497	14	F	LOUGUANTA	Poor health
498	26	F	FUZHOU	Too old
500	25	F	LOUGUANTA	Too old
524	10	M	HENGYANG	Poor health
594	23	M	YAAN BC	Too old
597	23	F	NANCHANG	Too old
621	21	M	YAAN BC	Too old
659	19	M	TAIYUAN	Too old
695	23	M	FUZHOU	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. However, assumptions about probable paternity need to be made to conduct the genetic analysis of the population. Molecular analysis performed by David *et al.* in 2001 found that in all cases that were analyzed, the pregnancy resulted from the male who did the natural mating rather than the male contributing sperm for the AI; subsequent analysis found the same pattern. Therefore, paternity was assigned to the male(s) performing the natural mating for analytical purposes for this meeting. Each breeding institution was consulted regarding other sire identity conflicts for input on paternity assumptions based upon behavior or other factors. In some instances, proven breeders were given a greater probability of siring the offspring. These assumed paternities were recorded in the database identified as GP10XX and the EXCH10XX.dbf for export to PM2000.

There are 71 pandas in the studbook with uncertain paternity. However, many of these have died and did not contribute genes to the current population. The 48 pandas listed in Table 3 are those with unresolved paternities that affect the current gene pool and genetic management. Many of these are recent births (born 2006 to 2010). However, several are older animals. Dead animals may be included because, although they are not alive, they have passed on genes to animals in the living population.

For cubs born in 2006 to 2010 with uncertain sires, hypothetical sires were created to more accurately reflect the average effect of the multiple potential sires contributing. These hypothetical sires (studbook numbers beginning with an “H”) were formed by creating a pedigree for them that reflected what was thought to be the most likely and possible combination of sires. Combinations of potential sires were limited to those combinations that could be produced by creating hypothetical pedigrees for the hypothetical sires. This allowed only combinations of: 1) 50% one possible sire, 50% another; 2) 50% one sire, 25% another and 25% a third; or 3) 25% each of four potential sires. It did not allow for such combinations as 33% each from 3 potential sires because a pedigree could not be formed to result in that combination in one hypothetical sire. Hypothetical sires and the rules for creating them are given in Table 3.

Although sire assumptions are made based on the best available information, they are not verified and thus represent a source of error in calculating gene diversity and genetic relationships among giant pandas. Paternity testing in 2009 and 2010 resulted in true sire determination for 54 pandas, which reduced the unknown proportion of the living population gene pool from 24% to 18%. The sire assumptions made for these 54 individuals were found to be 69% accurate in terms of accounting for the sire genetic representation when compared with the true confirmed sires. Although this testing has reduced amount of uncertainty, about one-half of the living captive giant pandas still have some degree of uncertainty in their pedigree, and new births to unconfirmed sires occur each year. **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 3. Giant pandas with multiple possible sires showing the assumed sires used in the analysis

SB#	Possible sires	Assumed Sire used in analysis	Rule
237	150, 186 (?)	186	1
278	174, 201 (?)	174	1
297	174 (NM), 201 (AI?), 202 (AI?)	174	1
314	174, 201, 202 (?)	201	1
320	119, 135, 149 (?)	149	1
323	150, 186 (?)	186	1
433	308 (NM); 298 (?)	308	1
437	308 (NM); 298 (?)	308	1
439	308, 329 (NM); 298 (?)	329	1
455	308, 329 (NM)	329	1
469	323, 369 (?)	323	1
495	308, 329 (?)	329	1
507	345, 369 (?)	369	1
532	377, 394, 399 (?)	394	1
538	308, 357 (?)	308	1
539	308, 357 (?)	308	1
547	308, 394 (NM); 357 (AI)	394	1
548	308, 394 (NM); 357 (AI)	394	1
549	308, 394 (NM); 357, 415 (AI)	394	1
557	399 (NM); 327 (AI)	399	1
566	399 (NM), 424 (NM)	424	1
652	424, 503 (NM); 467 (AI)	HS618 = 424 (50%), 503 (50%)	2
682	424, 503 (NM); 467 (AI)	HS618 = 424 (50%), 503 (50%)	2
713	377 (NM); 386 (AI)	377	2
715	377 (NM); 386 (AI)	377	2
741	424, 502 (NM)	424 (50%), 502 (50%)	2
743	327, 621 (AI)	327 (50%), 621 (50%)	2b
748	488 (NM); 424 (AI)	488	2
752	488 (NM); 399 (AI)	488	2
753	658, 697 (?)	658 (50%), 697 (50%)	2b
754	658, 697 (?)	658 (50%), 697 (50%)	2b
755	502, 503 (NM)	502 (50%), 503 (50%)	2
756	503, 563 (NM)	503 (50%), 563 (50%)	2
757	377, 658, 697 (?)	377 (50%), 658 (25%), 697 (25%)	3
763	377 (NM); 540 (AI)	377	2
764	377 (NM); 386, 455 (AI)	377	2
766	496 (NM); 394, 454 (AI)	496	2
769	575 (NM, AI); 386 (AI)	575	2
770	520 (NM, AI); 386 (AI)	520	2
771	623 (NM); 502 (NM, AI)	502 (50%), 623 (50%)	2
772	623 (NM); 502 (NM, AI)	502 (50%), 623 (50%)	2
779	455 (NM); 584 (NM, AI); 386 (AI)	455 (50%), 584 (50%)	2
780	455 (NM); 584 (NM, AI); 386 (AI)	455 (50%), 584 (50%)	2
781	502, 503 (NM)	502 (50%), 503 (50%)	2
784	502 (NM, AI); 399 (AI)	502	2
787	377 (NM); 342, 584 (NM, AI)	342 (50%), 584 (50%)	2
788	377 (NM); 342, 584 (NM, AI)	342 (50%), 584 (50%)	2
796	574, 584 (NM); 377 (AI)	574 (50%), 584 (50%)	2

Sire Assignment Rules

- 1 Used same sire assumptions as before (2008 and earlier)
- 2 Sire assumptions based on equal representation of NM males (2 males, 50% each)
- 2b Sire assumptions based on equal representation of all males (2 males, 50% each)
- 3 Sire assumptions biased toward male with most previous offspring (3 males, one w/ more cubs 50%, other 2 at 25%)

NM = natural mating; AI = artificial insemination; ? = unknown breeding technique

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; unsexed wild-caught pandas on both lists, in *italics*). 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 (0.0276); individuals above this line are underrepresented and are priority breeders to increase gene diversity in the population.

Table 4. Ranked mean kinship (MK) list for giant panda captive population – November 2010.

Males				Females			
SB#	MK	Age	Location	SB#	MK	Age	Location
696	0.0000	15	YAAN BC	701	0.0000	15	WOLONG
542	0.0000	12	YAAN BC	660	0.0000	13	LOUGUANTA
624	0.0000	6	LOUGUANTA	505	0.0000	11	WOLONG
<i>T654/655</i>	<i>0.0000</i>	<i>??</i>	<i>LOUGUANTA</i>	<i>T654/655</i>	<i>0.0000</i>	<i>??</i>	<i>LOUGUANTA</i>
661	0.0000	4	YAAN BC	699	0.0000	4	LOUGUANTA
703	0.0000	3	LOUGUANTA	700	0.0000	4	LOUGUANTA
579	0.0010	9	YAAN BC	702	0.0000	3	YAAN BC
697	0.0012	15	LOUGUANTA	765	0.0000	4	CHENPANDA
327	0.0015	24	ABERDE HK	656	0.0010	11	WOLONG
623	0.0020	6	YAAN BC	581	0.0020	8	WOLONG
357	0.0025	21	SHANGHAI	698	0.0020	7	YAAN BC
415	0.0042	19	SANDIEGOZ	360	0.0020	20	MEXICOCTY
342	0.0052	23	CHENPANDA	544	0.0029	17	YAAN BC
753	0.0095	1	LOUGUANTA	754	0.0095	1	LOUGUANTA
775	0.0098	0	YAAN BC	776	0.0098	0	YAAN BC
674	0.0103	3	YAAN BC	507	0.0102	10	MEMPHIS
743	0.0124	1	YAAN BC	439	0.0128	14	YAAN BC
777	0.0125	0	WOLONG	791	0.0132	0	YAAN BC
752	0.0128	1	YAAN BC	691	0.0137	3	BEIJING
748	0.0137	1	YAAN BC	562	0.0146	7	LOUGUANTA
502	0.0157	12	YAAN BC	473	0.0148	12	NZP-WASH
798	0.0173	0	YAAN BC	434	0.0151	15	KOBE PARK
461	0.0176	13	ATLANTA	601	0.0152	5	PANYU
787	0.0178	0	CHENPANDA	757	0.0166	1	LOUGUANTA
788	0.0178	0	CHENPANDA	759	0.0179	1	YAAN BC
526	0.0179	10	VIENNA	760	0.0179	1	YAAN BC
386	0.0180	18	CHENPANDA	654	0.0180	4	XIUNING
719	0.0184	2	YAAN BC	401	0.0181	17	CHENPANDA
724	0.0185	2	CHENPANDA	561	0.0181	7	CHENPANDA
609	0.0187	5	PANYU	784	0.0184	0	YAAN BC
606	0.0189	5	ABERDE HK	725	0.0185	2	CHENPANDA
689	0.0190	3	GUANGZH Z	569	0.0188	7	YAAN BC
690	0.0190	3	YAAN BC	680	0.0190	3	CHENPANDA
510	0.0191	10	CHIANGMAI	739	0.0190	2	SHANGHAI
649	0.0196	4	CHENPANDA	794	0.0190	0	YAAN BC
731	0.0196	2	ATLANTA	403	0.0191	17	YAAN BC
801	0.0196	0	ATLANTA	509	0.0196	10	LOUGUANTA
377	0.0199	19	LOUGUANTA	452	0.0197	13	ATLANTA
582	0.0204	6	SHANGHAI	692	0.0199	3	YAAN BC
466	0.0205	12	MEMPHIS	387	0.0200	18	CHENPANDA
713	0.0207	2	WEIFANG	522	0.0201	10	CHENPANDA
642	0.0208	4	NANJING	495	0.0203	11	YAAN BC
503	0.0211	12	YAAN BC	678	0.0203	3	ANJI BAMB
756	0.0213	1	YAAN BC	385	0.0205	18	CHONGQING
758	0.0217	1	YAAN BC	425	0.0207	15	CHENPANDA
714	0.0222	2	YAAN BC	643	0.0208	4	NANJING
711	0.0223	2	CHENPANDA	761	0.0209	1	CHENPANDA

Males				Females			
SB#	MK	Age	Location	SB#	MK	Age	Location
488	0.0226	11	YAAN BC	762	0.0209	1	CHENPANDA
747	0.0226	1	YAAN BC	407	0.0210	16	CHENPANDA
770	0.0226	0	CHENPANDA	512	0.0212	10	YAAN BC
736	0.0229	2	CHENPANDA	523	0.0215	10	CHENPANDA
772	0.0229	0	YAAN BC	576	0.0215	7	MADRID Z
613	0.0231	5	PANYU	755	0.0220	1	YAAN BC
553	0.0234	8	LOUGUANTA	474	0.0221	12	YAAN BC
390	0.0239	18	WAKAYAMA	712	0.0222	2	SHANGHAI
584	0.0239	6	CHENPANDA	800	0.0226	0	YAAN BC
726	0.0243	2	CHENPANDA	771	0.0229	0	YAAN BC
792	0.0248	0	MADRID Z	681	0.0231	3	CHENPANDA
793	0.0248	0	MADRID Z	652	0.0231	4	BEIJING
520	0.0251	10	LUOYANG	598	0.0234	5	CHENPANDA
592	0.0260	6	LANCHOW	637	0.0234	4	CHENPANDA
519	0.0261	10	MADRID Z	480	0.0235	11	CHENPANDA
595	0.0263	5	YAAN BC	572	0.0235	7	YAAN BC
749	0.0264	1	SANDIEGOZ	603	0.0251	5	LOUGUANTA
563	0.0267	7	YAAN BC	650	0.0255	4	YUNNAN W
573	0.0267	7	CHENPANDA	651	0.0255	4	NANJING
614	0.0267	5	CHENPANDA	567	0.0256	7	YAAN BC
662	0.0267	4	CHENPANDA	566	0.0260	7	BEIJING
574	0.0269	7	CHENPANDA	625	0.0263	4	YAAN BC
769	0.0269	0	CHENPANDA	596	0.0264	5	YAAN BC
745	0.0270	1	YAAN BC	694	0.0264	3	YAAN BC
746	0.0270	1	YAAN BC	663	0.0267	4	WAKAYAMA
540	0.0271	9	CHENPANDA	362	0.0268	20	CHENPANDA
715	0.0271	2	WEIFANG	764	0.0270	1	CHENPANDA
705	0.0273	2	SHANGHAI	763	0.0271	1	CHENPANDA
586	0.0274	6	SHANGHAI	704	0.0273	2	SHANGHAI
778	0.0278	0	YAAN BC	796	0.0273	0	CHENPANDA
620	0.0280	5	ADELAIDE	706	0.0275	2	SHANGHAI
744	0.0280	1	YAAN BC	631	0.0279	4	YUNNAN W
607	0.0282	5	WUHAN	632	0.0279	4	GUILIN
536	0.0283	9	CHENGDU	709	0.0280	2	CHENPANDA
685	0.0283	3	YAAN BC	710	0.0280	2	CHENPANDA
789	0.0283	0	VIENNA	741	0.0288	1	YAAN BC
467	0.0291	12	BENXI	737	0.0298	2	WAKAYAMA
742	0.0296	1	YAAN BC	783	0.0298	0	WAKAYAMA
738	0.0298	2	WAKAYAMA	634	0.0301	4	YUNNAN W
782	0.0298	0	WAKAYAMA	610	0.0302	5	ABERDE HK
633	0.0301	4	WENLING S	740	0.0302	1	CHIANGMAI
721	0.0304	2	SHANGHAI	672	0.0304	3	XIUNING
786	0.0304	0	YAAN BC	673	0.0304	3	YAAN BC
732	0.0305	2	CHENPANDA	641	0.0304	4	GUILIN
515	0.0306	10	HEFEI W	664	0.0305	4	YAAN BC
454	0.0309	13	CHENGDU	774	0.0305	0	YAAN BC
639	0.0310	4	WENLING S	537	0.0306	9	CHENPANDA
532	0.0311	9	FUCHOW	487	0.0307	11	YAAN BC

<u>Males</u>				<u>Females</u>			
SB#	MK	Age	Location	SB#	MK	Age	Location
575	0.0311	7	CHENPANDA	781	0.0308	0	YAAN BC
636	0.0312	4	WENLING S	568	0.0310	7	YAAN BC
529	0.0314	9	CHENPANDA	638	0.0310	4	ADELAIDE
530	0.0314	9	WENZHO	554	0.0314	8	CHENPANDA
717	0.0317	2	CHENPANDA	555	0.0314	8	CHENPANDA
718	0.0317	2	CHENPANDA	570	0.0319	7	CHENPANDA
413	0.0323	16	YAAN BC	453	0.0321	13	CHENPANDA
668	0.0323	3	XIUNING	587	0.0322	6	TAIPEI
492	0.0325	11	SHANGHAI	669	0.0323	3	BEIJING
518	0.0325	10	GUANGZH Z	493	0.0324	11	CHONGQING
588	0.0328	6	TAIPEI	494	0.0324	11	CHENPANDA
589	0.0328	6	TIANJIN	593	0.0326	6	CHENPANDA
619	0.0328	5	WUHAN	734	0.0327	2	SHANGHAI
424	0.0330	15	YAAN BC	735	0.0327	2	SHANGHAI
790	0.0331	0	YAAN BC	618	0.0328	5	PANYU
525	0.0332	10	FUCHOW	511	0.0330	10	YAAN BC
564	0.0332	7	QIQIHAR	665	0.0331	3	CHENPANDA
750	0.0333	1	YAAN BC	565	0.0332	7	YAAN BC
648	0.0337	4	CHONGQING	751	0.0333	1	YAAN BC
676	0.0337	3	CHONGQING	521	0.0337	10	WAKAYAMA
599	0.0346	5	XIXIAKOU	766	0.0337	0	YAAN BC
768	0.0348	0	YAAN BC	557	0.0340	8	YAAN BC
513	0.0357	10	CHONGQING	491	0.0342	11	CHENPANDA
458	0.0358	13	NZP-WASH	600	0.0346	5	YAAN BC
727	0.0360	2	CHENPANDA	490	0.0347	11	CHENPANDA
688	0.0364	3	BEIJING	549	0.0347	8	YAAN BC
646	0.0368	4	WUXI	635	0.0356	4	CHENPANDA
707	0.0369	2	SHANGHAI	548	0.0357	8	CHONGQING
708	0.0369	2	SHANGHAI	682	0.0358	3	YAAN BC
773	0.0369	0	YAAN BC	547	0.0362	8	YAAN BC
670	0.0373	3	WENZHO	437	0.0363	14	YAAN BC
780	0.0376	0	CHENPANDA	514	0.0367	10	VIENNA
583	0.0383	6	SHANGHAI	645	0.0368	4	CHENPANDA
612	0.0383	5	YAAN BC	476	0.0373	12	YAAN BC
666	0.0383	3	ANJI BAMB	671	0.0373	3	CHENPANDA
538	0.0389	9	FUCHOW	722	0.0373	2	CHENPANDA
496	0.0394	11	BEIJING	723	0.0373	2	CHENPANDA
644	0.0426	4	CHENPANDA	779	0.0376	0	CHENPANDA
460	0.0428	13	XINING	432	0.0380	15	YAAN BC
627	0.0436	4	ANJI BAMB	611	0.0383	5	YAAN BC
628	0.0436	4	GUIZHOU W	667	0.0383	3	CHENPANDA
629	0.0439	4	ANJI BAMB	571	0.0388	7	YAAN BC
630	0.0439	4	WUXI	516	0.0389	10	YAAN BC
605	0.0455	5	XIXIAKOU	539	0.0394	9	CHIANGMAI
399	0.0459	17	YAAN BC	477	0.0416	12	YAAN BC
455	0.0511	13	CHENPANDA	371	0.0468	19	SANDIEGOZ
394	0.0533	18	BEIJING				

APPENDIX D: Giant panda MSI values for mate selection during the 2011 breeding season (distributed December 2010).

Dear Giant Panda Holding Institution:

During previous Technical Committee meetings for giant pandas, specific breeding recommendations for each female were made during the meeting. These recommendations were made based on the Mate Suitability Index (MSI) score for each possible male-female breeding pair and also considered the health, behavior and location of each animal.

In order to grow the population quickly, the past strategy has been to attempt to breed almost all healthy breeding age females. In general, breeding recommendations were confirmed for pairs at institutions with only one male available for breeding or AI. For institutions with multiple available males or sperm samples (for example, Chengdu Panda Base, Wolong, etc.), several males were usually recommended as potential mates, with the strategy that $MSI \leq 4$ for breeding pairs. Pairings with $MSI > 4$ were discouraged unless no other alternative was possible, because these pairings are genetically harmful to the population. This strategy promoted rapid population growth while applying some level of genetic management through the selection of males.

In 2009 the Technical Committee recognized the great success in growing the giant panda population and recommended a change in breeding strategy. Because of time limitations, it was decided that each institution could use the MSI tables themselves to determine the best pairings at the time of breeding instead of making these specific recommendations at the meeting. Several guidelines were discussed in how to use the MSI ratings to select breeding pairs and are discussed below. Also included in this document is the MSI table for all potential breeding males and females in the population (females listed across the top and males listed on the left). More detailed information on MSI scores is also provided.

Guidelines for Selecting Breeding Pairs

- Given that the population has reached the initial goal of 300 giant pandas, more emphasis can now be placed on genetic management rather than population growth.
- There is no need to attempt to breed all females; breeding efforts should concentrate on genetically valuable females.
- Pairs with $MSI = 1$ to 3 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 “Very Good” (很好) and “Good” (好) mean kinship values. This information is now placed on the MSI tables for each individual.
- Efforts should be made to breed any wild-caught pandas that have not produced surviving offspring.
- There may be too much reliance on AI vs. natural mating; perhaps there should be more emphasis on natural mating to encourage natural breeding behavior (necessary for reintroduction).
- AI should be restricted for use only for genetically valuable pairings that must be bred.

- There should be more emphasis on leaving cubs with their mothers for nurturing and behavioral experience (part of the reason is for better chance for success for reintroduction).

After reviewing these matrices, giant panda holding institutions are requested to send their breeding recommendations for 2011 (including sperm used for AI attempts) to Xie Zhong. These recommendations will be reviewed to ensure that both genetic and demographic population goals are supported. It is also important to document and report all breeding attempts, including those that do not lead to pregnancy or births, and report these back to the studbook keeper.

MateRx listings

We are now using a rating system that calculates an index that indicates how good (or bad) any pair in a population is relative to several measures of genetic importance. The MateRx software (Version 1.90) 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, 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 per se).

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

Because the MateRx process is automated, the software is limited in several ways:

- MateRx does not address demographics, behavior or logistics of a pairing;
- MateRx is 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.
- MateRx is time sensitive: the MSI rankings are only valid as long as there are no substantial changes in the population. This report should be considered invalid after one year following its date of creation.

ID	Location	Males	327	606	620	666	627	629	461	731	688
		Males MK	ABERDE HK very good	ABERDE HK good	ADELAIDE poor	ANJI BAMB poor	ANJI BAMB bad	ANJI BAMB bad	ATLANTA good	ATLANTA good	BEIJING poor
610	ABERDE HK	poor	4	4	4	4	4	4	4	4	6
638	ADELAIDE	poor	6	4	4	4	4	4	4	4	-
678	ANJI BAMB	Good	2	2	3	6	6	6	3	4	6
452	ATLANTA	Good	2	2	3	6	6	6	2	-	6
652	BEIJING	Good	3	4	3	4	6	6	3	3	4
691	BEIJING	Good	1	1	-	6	6	6	1	2	6
566	BEIJING	poor	4	-	4	4	4	4	3	3	4
669	BEIJING	poor	6	4	4	4	4	4	6	4	-
765	CHENPANDA	very good	1	2	4	6	6	6	2	3	6
387	CHENPANDA	Good	2	2	3	6	6	6	-	4	6
401	CHENPANDA	Good	2	2	4	6	6	6	4	4	6
407	CHENPANDA	Good	3	2	3	6	6	6	3	4	4
425	CHENPANDA	Good	3	2	3	6	6	6	3	-	6
480	CHENPANDA	Good	4	-	4	-	4	4	3	3	4
522	CHENPANDA	Good	2	2	3	6	6	6	4	4	6
523	CHENPANDA	Good	3	3	3	6	6	6	4	4	4
561	CHENPANDA	Good	2	2	4	6	6	6	2	4	6
598	CHENPANDA	Good	4	3	4	4	4	6	-	4	4
637	CHENPANDA	Good	4	3	4	4	4	6	-	4	4
680	CHENPANDA	Good	2	2	3	6	6	6	4	4	6
681	CHENPANDA	Good	3	3	3	4	6	6	4	4	4
725	CHENPANDA	Good	2	2	4	6	6	6	4	2	6
761	CHENPANDA	Good	3	2	3	6	6	6	4	4	4
762	CHENPANDA	Good	3	2	3	6	6	6	4	4	4
362	CHENPANDA	poor	4	3	4	4	4	4	-	-	4
453	CHENPANDA	poor	6	4	4	4	5	5	4	4	4
490	CHENPANDA	poor	6	6	4	4	-	-	6	6	4
491	CHENPANDA	poor	6	6	4	4	-	-	6	6	4
494	CHENPANDA	poor	6	4	4	4	5	5	-	4	4
537	CHENPANDA	poor	6	4	4	4	5	5	4	4	4
554	CHENPANDA	poor	6	4	4	4	5	5	-	4	4
555	CHENPANDA	poor	6	4	4	4	5	5	-	4	4
570	CHENPANDA	poor	6	4	4	4	5	5	-	4	4
593	CHENPANDA	poor	6	4	4	4	-	6	6	4	4
635	CHENPANDA	poor	6	6	-	-	-	-	6	6	5
645	CHENPANDA	poor	6	6	-	-	-	-	6	6	5
665	CHENPANDA	poor	6	6	-	-	-	-	6	4	5
667	CHENPANDA	poor	6	6	-	-	-	-	6	6	5
671	CHENPANDA	poor	6	6	-	-	-	-	6	6	5
709	CHENPANDA	poor	4	3	4	4	-	5	4	4	4
710	CHENPANDA	poor	4	3	4	4	-	5	4	4	4
722	CHENPANDA	poor	6	6	5	5	-	-	6	6	4
723	CHENPANDA	poor	6	6	5	5	-	-	6	6	4

ID	Location	Males	327	606	620	666	627	629	461	731	688
		MK	ABERDE HK very good	ABERDE HK good	ADELAIDE poor	ANJI BAMB poor	ANJI BAMB bad	ANJI BAMB bad	ATLANTA good	ATLANTA good	BEIJING poor
763	CHENPANDA	poor	4	3	4	4	4	4	4	4	4
764	CHENPANDA	poor	4	3	4	4	4	4	4	4	4
779	CHENPANDA	poor	6	6	5	6	-	-	6	6	4
796	CHENPANDA	poor	4	4	4	4	4	4	-	4	4
740	CHIANGMAI	poor	4	4	4	5	5	5	4	4	5
539	CHIANGMAI	bad	6	6	5	5	5	5	6	6	5
385	CHONGQING	Good	3	-	3	-	6	6	3	2	6
493	CHONGQING	poor	6	4	4	4	5	5	-	4	4
548	CHONGQING	poor	6	6	4	4	5	5	6	6	5
632	GUILIN	poor	4	3	4	4	4	4	4	3	4
641	GUILIN	poor	6	4	4	4	4	4	4	4	5
434	KOBE PARK	Good	1	2	4	6	6	6	-	4	6
660	LOUGUANTA	very good	1	2	4	6	6	6	2	3	6
699	LOUGUANTA	very good	1	2	4	6	6	6	2	3	6
700	LOUGUANTA	very good	1	2	4	6	6	6	2	3	6
754	LOUGUANTA	very good	1	2	4	6	6	6	1	2	6
509	LOUGUANTA	Good	2	2	4	6	6	6	2	2	6
562	LOUGUANTA	Good	1	1	4	6	6	6	1	3	6
603	LOUGUANTA	Good	4	3	4	4	4	4	3	3	4
757	LOUGUANTA	Good	1	2	4	6	6	6	2	2	6
576	MADRID Z	Good	3	3	3	6	6	6	4	4	4
507	MEMPHIS	very good	1	2	4	6	6	6	1	2	6
360	MEXICOCTY	very good	1	2	4	6	6	6	1	2	6
643	NANJING	Good	3	2	3	6	6	6	3	2	4
651	NANJING	poor	4	4	4	4	4	4	3	4	4
473	NZP-WASH	Good	1	1	4	6	6	6	1	4	6
601	PANYU	Good	1	2	4	6	6	6	1	2	6
618	PANYU	poor	6	-	4	5	4	4	6	4	4
371	SANDIEGOZ	bad	6	6	5	5	5	5	6	6	6
712	SHANGHAI	Good	3	3	4	4	6	6	3	2	6
739	SHANGHAI	Good	2	2	3	6	6	6	2	2	6
704	SHANGHAI	poor	4	3	4	4	4	4	4	3	4
706	SHANGHAI	poor	4	4	4	5	4	4	4	3	4
734	SHANGHAI	poor	6	4	4	4	4	4	6	4	5
735	SHANGHAI	poor	6	4	4	4	4	4	6	4	5
587	TAIPEI	poor	6	4	-	-	-	-	6	4	6
514	VIENNA	poor	6	6	4	4	5	5	6	6	5
521	WAKAYAMA	poor	6	6	4	4	-	-	6	6	4
663	WAKAYAMA	poor	4	3	4	4	5	5	3	4	4
737	WAKAYAMA	poor	4	4	4	4	5	5	4	4	4
783	WAKAYAMA	poor	4	4	4	4	5	5	4	4	4
505	WOLONG	very good	1	2	4	6	6	6	2	3	6

ID	Location	Males	327	606	620	666	627	629	461	731	688
		MK	ABERDE HK very good	ABERDE HK good	ADELAIDE poor	ANJI BAMB poor	ANJI BAMB bad	ANJI BAMB bad	ATLANTA good	ATLANTA good	BEIJING poor
581	WOLONG	very good	1	2	4	6	6	6	1	2	6
656	WOLONG	very good	1	2	4	6	6	6	1	2	6
701	WOLONG	very good	1	2	4	6	6	6	2	3	6
654	XIUNING	Good	2	4	-	6	6	6	2	2	6
672	XIUNING	poor	6	4	4	4	4	4	4	4	4
544	YAAN BC	very good	1	-	4	6	6	6	1	2	6
698	YAAN BC	very good	1	2	4	6	6	6	1	2	6
702	YAAN BC	very good	1	2	4	6	6	6	2	3	6
776	YAAN BC	very good	1	2	4	6	6	6	1	2	6
403	YAAN BC	Good	2	2	3	6	6	6	2	2	6
439	YAAN BC	Good	1	2	4	6	6	6	1	2	6
474	YAAN BC	Good	3	3	3	6	6	6	3	4	4
495	YAAN BC	Good	2	2	3	6	6	6	3	2	6
512	YAAN BC	Good	3	2	4	6	6	6	3	2	4
569	YAAN BC	Good	2	2	4	6	6	6	2	2	6
572	YAAN BC	Good	4	3	4	4	4	6	3	3	4
692	YAAN BC	Good	2	2	3	6	6	6	2	4	6
755	YAAN BC	Good	3	3	4	6	6	6	3	2	4
759	YAAN BC	Good	1	2	4	6	6	6	2	2	6
760	YAAN BC	Good	1	2	4	6	6	6	2	2	6
771	YAAN BC	Good	3	3	4	4	6	6	3	3	4
784	YAAN BC	Good	2	2	4	6	6	6	2	2	6
791	YAAN BC	Good	1	1	4	6	6	6	1	2	6
794	YAAN BC	Good	2	2	3	6	6	6	2	2	6
800	YAAN BC	Good	3	3	3	4	6	6	3	4	4
432	YAAN BC	poor	6	6	5	5	5	5	6	6	5
437	YAAN BC	poor	6	6	4	5	5	5	6	6	5
476	YAAN BC	poor	6	6	5	5	5	5	6	6	5
487	YAAN BC	poor	6	4	4	4	4	4	4	4	4
511	YAAN BC	poor	6	6	4	4	4	4	6	4	5
516	YAAN BC	poor	6	6	5	5	5	5	6	6	-
547	YAAN BC	poor	6	6	4	4	5	5	6	6	5
549	YAAN BC	poor	6	6	4	4	4	4	6	6	-
557	YAAN BC	poor	6	6	4	4	4	4	6	6	4
565	YAAN BC	poor	6	6	4	5	5	5	6	4	5
567	YAAN BC	poor	4	-	4	4	4	4	3	3	4
568	YAAN BC	poor	6	4	4	4	4	4	4	4	6
571	YAAN BC	poor	6	-	4	5	5	5	6	6	4
596	YAAN BC	poor	4	3	4	4	4	4	3	3	4
600	YAAN BC	poor	6	6	-	-	-	-	6	6	5
611	YAAN BC	poor	6	-	4	5	5	5	6	6	4
625	YAAN BC	poor	4	3	4	4	6	6	4	3	4
664	YAAN BC	poor	6	4	4	4	4	4	4	4	5

ID	Location	Males	327	606	620	666	627	629	461	731	688
		Females	ABERDE HK very good	ABERDE HK good	ADELAIDE poor	ANJI BAMB poor	ANJI BAMB bad	ANJI BAMB bad	ATLANTA good	ATLANTA good	BEIJING poor
		MK									
673	YAAN BC	poor	6	4	4	4	4	4	4	4	4
682	YAAN BC	poor	6	6	4	4	5	5	6	6	5
694	YAAN BC	poor	4	3	4	4	4	4	3	3	4
741	YAAN BC	poor	4	4	4	4	4	4	4	3	4
751	YAAN BC	poor	6	6	4	4	4	4	6	4	4
766	YAAN BC	poor	6	6	4	5	4	4	6	6	4
774	YAAN BC	poor	6	4	4	4	4	4	4	4	6
781	YAAN BC	poor	6	4	4	4	4	4	4	4	4
477	YAAN BC	bad	6	6	4	5	5	5	6	6	5
631	YUNNAN W	poor	4	3	4	4	4	4	4	3	4
634	YUNNAN W	poor	4	4	4	4	4	4	4	3	4
650	YUNNAN W	poor	4	4	4	4	4	4	3	4	4

ID	Location	Males	394	496	467	454	536	342	386	584	649
		Female	BEIJING bad	BEIJING bad	BENXI poor	CHENGDU poor	CHENGDU poor	CHENPANDA very good	CHENPANDA good	CHENPANDA good	CHENPANDA good
		MK									
610	ABERDE HK	poor	5	5	4	4	4	4	4	4	4
638	ADELAIDE	poor	5	5	4	4	4	6	4	4	4
678	ANJI BAMB	Good	6	6	3	4	-	2	-	3	4
452	ATLANTA	Good	6	6	4	4	-	2	2	3	-
652	BEIJING	Good	6	4	4	4	4	3	3	4	3
691	BEIJING	Good	6	6	4	4	4	1	1	3	2
566	BEIJING	poor	5	4	4	4	4	4	3	4	3
669	BEIJING	poor	-	4	4	4	4	6	4	4	4
765	CHENPANDA	very good	6	6	6	6	6	1	2	4	3
387	CHENPANDA	Good	6	6	4	-	3	2	2	3	4
401	CHENPANDA	Good	6	6	4	-	4	-	2	3	4
407	CHENPANDA	Good	6	6	3	4	4	3	-	2	4
425	CHENPANDA	Good	6	6	3	4	-	2	2	2	-
480	CHENPANDA	Good	6	4	4	4	4	3	3	-	3
522	CHENPANDA	Good	6	6	-	4	3	2	-	3	4
523	CHENPANDA	Good	6	6	-	4	3	3	-	2	4
561	CHENPANDA	Good	6	6	4	4	4	1	-	3	4
598	CHENPANDA	Good	6	4	4	4	4	3	-	2	4
637	CHENPANDA	Good	6	4	4	4	4	3	-	2	4
680	CHENPANDA	Good	6	6	4	4	4	-	-	3	4
681	CHENPANDA	Good	6	4	6	-	6	-	3	2	4
725	CHENPANDA	Good	6	6	4	4	4	-	-	4	2
761	CHENPANDA	Good	6	6	4	4	3	2	3	-	4
762	CHENPANDA	Good	6	6	4	4	3	2	3	-	4
362	CHENPANDA	poor	5	4	4	-	4	4	3	2	-
453	CHENPANDA	poor	5	4	-	-	-	6	4	4	4
490	CHENPANDA	poor	5	4	-	-	-	6	6	4	6
491	CHENPANDA	poor	5	4	-	-	-	6	6	4	6
494	CHENPANDA	poor	5	4	-	-	-	6	4	4	4
537	CHENPANDA	poor	5	4	-	-	-	6	4	4	4
554	CHENPANDA	poor	5	4	-	-	-	6	4	4	4
555	CHENPANDA	poor	5	4	-	-	-	6	4	4	4
570	CHENPANDA	poor	5	4	-	-	-	6	4	4	4
593	CHENPANDA	poor	5	4	-	-	-	6	6	4	4
635	CHENPANDA	poor	5	5	4	5	4	-	6	4	6
645	CHENPANDA	poor	5	5	4	4	-	6	6	4	6
665	CHENPANDA	poor	5	5	4	4	4	6	6	4	4
667	CHENPANDA	poor	5	5	4	4	4	6	6	-	6
671	CHENPANDA	poor	5	5	5	4	4	6	-	4	6
709	CHENPANDA	poor	5	4	4	4	4	4	4	-	4
710	CHENPANDA	poor	5	4	4	4	4	4	4	-	4
722	CHENPANDA	poor	5	4	5	5	5	6	6	4	6
723	CHENPANDA	poor	5	4	5	5	5	6	6	4	6

ID	Location	Males	394	496	467	454	536	342	386	584	649
		MK	BEIJING bad	BEIJING bad	BENXI poor	CHENGDU poor	CHENGDU poor	CHENPANDA very good	CHENPANDA good	CHENPANDA good	CHENPANDA good
763	CHENPANDA	poor	5	4	4	6	4	4	3	-	4
764	CHENPANDA	poor	5	4	6	-	4	4	3	-	4
779	CHENPANDA	poor	5	4	5	5	5	6	6	-	6
796	CHENPANDA	poor	5	4	4	4	4	4	4	-	4
740	CHIANGMAI	poor	5	-	4	4	4	4	4	4	4
539	CHIANGMAI	bad	-	-	4	4	4	6	6	6	6
385	CHONGQING	Good	6	6	3	4	3	2	2	-	2
493	CHONGQING	poor	5	4	-	-	-	6	4	4	4
548	CHONGQING	poor	-	5	4	4	4	6	6	4	6
632	GUILIN	poor	5	5	4	4	4	4	4	4	3
641	GUILIN	poor	5	5	4	4	4	4	4	4	4
434	KOBE PARK	Good	-	6	4	4	4	1	1	3	4
660	LOUGUANTA	very good	6	6	6	6	6	1	2	4	3
699	LOUGUANTA	very good	6	6	6	6	6	1	2	4	3
700	LOUGUANTA	very good	6	6	6	6	6	1	2	4	3
754	LOUGUANTA	very good	6	6	4	6	4	1	1	4	2
509	LOUGUANTA	Good	6	6	4	4	4	2	2	3	2
562	LOUGUANTA	Good	6	6	4	4	4	1	1	-	3
603	LOUGUANTA	Good	-	4	4	4	4	3	3	2	3
757	LOUGUANTA	Good	6	6	4	4	4	1	2	4	2
576	MADRID Z	Good	6	6	-	4	3	3	3	-	4
507	MEMPHIS	very good	6	6	4	6	4	1	1	3	2
360	MEXICOCTY	very good	6	6	4	6	4	1	2	3	2
643	NANJING	Good	6	6	3	4	3	2	2	2	2
651	NANJING	poor	6	4	4	4	4	4	3	4	4
473	NZP-WASH	Good	6	6	4	4	4	1	1	3	4
601	PANYU	Good	6	6	4	4	4	1	1	3	2
618	PANYU	poor	5	4	4	4	4	6	6	4	4
371	SANDIEGOZ	bad	-	-	4	4	4	6	6	6	6
712	SHANGHAI	Good	6	6	4	4	3	3	3	2	2
739	SHANGHAI	Good	6	6	4	4	4	2	2	3	2
704	SHANGHAI	poor	-	4	4	4	4	4	3	3	3
706	SHANGHAI	poor	5	4	4	4	4	4	4	4	3
734	SHANGHAI	poor	-	4	4	4	4	6	6	4	4
735	SHANGHAI	poor	-	4	4	4	4	6	6	4	4
587	TAIPEI	poor	5	5	4	4	4	6	4	4	4
514	VIENNA	poor	-	5	4	4	4	6	6	4	6
521	WAKAYAMA	poor	5	4	-	-	-	6	6	4	6
663	WAKAYAMA	poor	5	4	4	4	4	4	4	2	4
737	WAKAYAMA	poor	5	4	4	4	4	4	4	4	4
783	WAKAYAMA	poor	5	4	4	4	4	4	4	4	4
505	WOLONG	very good	6	6	6	6	6	1	2	4	3

ID	Location	Males	394	496	467	454	536	342	386	584	649
		MK	BEIJING bad	BEIJING bad	BENXI poor	CHENGDU poor	CHENGDU poor	CHENPANDA very good	CHENPANDA good	CHENPANDA good	CHENPANDA good
581	WOLONG	very good	6	6	4	6	4	1	2	3	2
656	WOLONG	very good	6	6	4	6	4	1	2	4	2
701	WOLONG	very good	6	6	6	6	6	1	2	4	3
654	XIUNING	Good	6	6	4	4	4	1	2	4	2
672	XIUNING	poor	5	5	4	4	4	4	4	4	4
544	YAAN BC	very good	6	6	4	6	4	1	2	3	2
698	YAAN BC	very good	6	6	4	6	4	1	2	3	2
702	YAAN BC	very good	6	6	6	6	6	1	2	4	3
776	YAAN BC	very good	6	6	4	6	4	1	1	3	2
403	YAAN BC	Good	6	6	4	4	4	2	2	3	2
439	YAAN BC	Good	6	6	4	6	4	1	1	3	2
474	YAAN BC	Good	6	6	3	4	4	3	3	2	4
495	YAAN BC	Good	6	-	3	4	3	2	2	2	2
512	YAAN BC	Good	6	6	3	4	3	3	3	2	2
569	YAAN BC	Good	6	6	4	4	4	2	2	3	2
572	YAAN BC	Good	-	6	4	4	4	3	3	2	3
692	YAAN BC	Good	6	6	4	4	4	2	2	3	4
755	YAAN BC	Good	6	6	3	4	3	3	3	2	2
759	YAAN BC	Good	6	6	4	4	4	1	2	3	2
760	YAAN BC	Good	6	6	4	4	4	1	2	3	2
771	YAAN BC	Good	6	6	4	4	3	3	3	2	3
784	YAAN BC	Good	6	6	4	4	4	1	2	3	2
791	YAAN BC	Good	6	6	4	4	4	1	1	3	2
794	YAAN BC	Good	6	6	4	4	4	2	2	3	2
800	YAAN BC	Good	6	6	4	4	4	3	3	2	4
432	YAAN BC	poor	-	-	4	4	4	6	6	6	6
437	YAAN BC	poor	-	-	4	4	4	6	6	4	6
476	YAAN BC	poor	-	-	4	4	4	6	6	4	6
487	YAAN BC	poor	-	5	4	4	4	6	4	4	4
511	YAAN BC	poor	-	5	4	4	4	6	6	4	4
516	YAAN BC	poor	-	-	4	4	4	6	6	6	6
547	YAAN BC	poor	-	5	4	4	4	6	6	4	6
549	YAAN BC	poor	-	5	4	4	4	6	6	4	6
557	YAAN BC	poor	-	-	4	4	4	6	6	4	6
565	YAAN BC	poor	-	-	4	4	4	6	6	4	4
567	YAAN BC	poor	5	4	4	4	4	4	3	4	3
568	YAAN BC	poor	-	5	4	4	4	6	4	4	4
571	YAAN BC	poor	-	6	4	4	4	6	6	6	6
596	YAAN BC	poor	-	5	4	4	4	4	3	2	3
600	YAAN BC	poor	5	5	4	4	4	6	6	4	6
611	YAAN BC	poor	-	6	4	4	4	6	6	6	6
625	YAAN BC	poor	5	4	-	6	4	4	3	2	3
664	YAAN BC	poor	-	4	4	4	4	4	4	4	4

ID	Location	Males	394	496	467	454	536	342	386	584	649
Females		MK	BEIJING	BEIJING	BENXI	CHENGDU	CHENGDU	CHENPANDA	CHENPANDA	CHENPANDA	CHENPANDA
			bad	bad	poor	poor	poor	very good	good	good	good
673	YAAN BC	poor	5	5	4	4	4	4	4	4	4
682	YAAN BC	poor	-	6	4	4	4	6	6	4	6
694	YAAN BC	poor	-	5	4	4	4	4	3	2	3
741	YAAN BC	poor	5	4	4	4	4	4	4	4	3
751	YAAN BC	poor	-	5	4	4	4	6	6	4	4
766	YAAN BC	poor	5	-	4	4	4	6	6	4	6
774	YAAN BC	poor	5	5	4	4	4	6	4	4	4
781	YAAN BC	poor	5	4	4	4	4	6	4	4	4
477	YAAN BC	bad	-	-	4	4	4	6	6	6	6
631	YUNNAN W	poor	5	5	4	4	4	4	4	4	3
634	YUNNAN W	poor	-	4	4	4	4	4	4	4	3
650	YUNNAN W	poor	6	4	4	4	4	4	3	4	4

ID	Location	Males	711	724	726	736	770	787	788	529	540
		MK	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA poor
610	ABERDE HK	poor	4	4	4	4	4	4	4	4	4
638	ADELAIDE	poor	4	4	4	4	4	4	4	4	4
678	ANJI BAMB	Good	4	4	3	6	4	6	6	4	4
452	ATLANTA	Good	2	2	3	4	4	4	4	4	4
652	BEIJING	Good	2	3	2	2	2	3	3	4	3
691	BEIJING	Good	3	1	3	3	3	1	1	6	4
566	BEIJING	poor	3	3	2	2	2	4	4	4	4
669	BEIJING	poor	4	4	4	4	4	6	6	4	4
765	CHENPANDA	very good	3	2	4	4	3	2	2	6	4
387	CHENPANDA	Good	4	4	-	4	4	2	2	-	3
401	CHENPANDA	Good	4	6	4	4	-	4	4	4	4
407	CHENPANDA	Good	4	4	2	4	2	4	4	4	-
425	CHENPANDA	Good	2	2	2	4	4	4	4	4	4
480	CHENPANDA	Good	2	3	2	2	2	4	4	4	2
522	CHENPANDA	Good	-	-	4	4	4	4	4	4	4
523	CHENPANDA	Good	-	-	4	4	4	4	4	4	4
561	CHENPANDA	Good	4	4	3	-	4	-	-	4	4
598	CHENPANDA	Good	4	4	-	4	4	4	4	-	4
637	CHENPANDA	Good	4	4	-	4	4	4	4	-	4
680	CHENPANDA	Good	6	6	4	4	-	6	6	4	4
681	CHENPANDA	Good	4	4	4	4	-	4	4	6	3
725	CHENPANDA	Good	6	-	4	4	4	4	4	4	4
761	CHENPANDA	Good	4	4	-	4	4	4	4	4	3
762	CHENPANDA	Good	4	4	-	4	4	4	4	4	3
362	CHENPANDA	poor	4	4	-	4	4	3	3	-	4
453	CHENPANDA	poor	4	4	4	4	-	4	4	-	4
490	CHENPANDA	poor	4	6	4	4	4	6	6	-	-
491	CHENPANDA	poor	4	6	4	4	4	6	6	-	-
494	CHENPANDA	poor	4	4	-	4	6	6	6	-	4
537	CHENPANDA	poor	4	4	4	4	-	4	4	-	4
554	CHENPANDA	poor	4	4	-	4	6	4	4	-	4
555	CHENPANDA	poor	4	4	-	4	6	4	4	-	4
570	CHENPANDA	poor	4	4	-	4	6	4	4	-	4
593	CHENPANDA	poor	4	4	4	4	4	6	6	-	4
635	CHENPANDA	poor	4	6	4	4	-	6	6	4	4
645	CHENPANDA	poor	6	6	4	4	4	6	6	4	4
665	CHENPANDA	poor	4	6	4	4	4	6	6	4	4
667	CHENPANDA	poor	6	6	6	6	6	6	6	4	4
671	CHENPANDA	poor	6	-	4	6	6	6	6	4	4
709	CHENPANDA	poor	4	4	-	4	4	4	4	4	4
710	CHENPANDA	poor	4	4	-	4	4	4	4	4	4
722	CHENPANDA	poor	6	6	4	4	6	6	6	5	4
723	CHENPANDA	poor	6	6	4	4	6	6	6	5	4

ID	Location	Males	711	724	726	736	770	787	788	529	540
		MK	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA poor	CHENPANDA poor
763	CHENPANDA	poor	4	4	-	4	4	4	4	-	4
764	CHENPANDA	poor	4	4	-	6	4	4	4	6	4
779	CHENPANDA	poor	6	6	4	6	6	6	6	5	4
796	CHENPANDA	poor	4	4	-	4	4	4	4	-	4
740	CHIANGMAI	poor	4	4	4	4	4	4	4	4	4
539	CHIANGMAI	bad	6	6	6	6	6	6	6	4	4
385	CHONGQING	Good	2	2	3	2	2	4	4	4	3
493	CHONGQING	poor	4	4	-	4	6	6	6	-	4
548	CHONGQING	poor	4	6	4	4	4	6	6	4	4
632	GUILIN	poor	3	3	4	3	3	4	4	4	4
641	GUILIN	poor	4	4	4	4	4	4	4	4	4
434	KOBE PARK	Good	4	1	3	3	3	1	1	6	4
660	LOUGUANTA	very good	3	2	4	4	3	2	2	6	4
699	LOUGUANTA	very good	3	2	4	4	3	2	2	6	4
700	LOUGUANTA	very good	3	2	4	4	3	2	2	6	4
754	LOUGUANTA	very good	4	4	4	4	3	4	4	6	4
509	LOUGUANTA	Good	2	2	3	3	2	2	2	4	3
562	LOUGUANTA	Good	4	4	-	4	3	4	4	6	4
603	LOUGUANTA	Good	4	3	2	2	2	3	3	4	4
757	LOUGUANTA	Good	4	4	4	4	3	4	4	4	4
576	MADRID Z	Good	-	-	-	4	4	4	4	4	3
507	MEMPHIS	very good	3	1	3	3	3	1	1	6	4
360	MEXICOCTY	very good	3	2	3	3	3	1	1	6	4
643	NANJING	Good	2	2	2	2	2	3	3	4	4
651	NANJING	poor	3	3	2	2	2	3	3	4	4
473	NZP-WASH	Good	3	1	3	3	3	1	1	6	4
601	PANYU	Good	3	1	3	3	3	1	1	6	4
618	PANYU	poor	4	6	4	4	4	6	6	4	4
371	SANDIEGOZ	bad	6	6	6	6	6	6	6	4	4
712	SHANGHAI	Good	2	3	2	2	2	3	3	4	3
739	SHANGHAI	Good	3	2	3	3	3	2	2	4	3
704	SHANGHAI	poor	3	3	4	3	3	4	4	4	4
706	SHANGHAI	poor	3	3	4	3	3	4	4	4	4
734	SHANGHAI	poor	4	6	4	4	4	6	6	4	4
735	SHANGHAI	poor	4	6	4	4	4	6	6	4	4
587	TAIPEI	poor	4	4	4	4	4	4	4	4	4
514	VIENNA	poor	6	6	4	4	4	6	6	4	4
521	WAKAYAMA	poor	4	6	4	4	4	6	6	-	-
663	WAKAYAMA	poor	4	4	2	4	3	4	4	4	-
737	WAKAYAMA	poor	4	4	4	4	4	4	4	4	-
783	WAKAYAMA	poor	4	4	4	4	4	4	4	4	-
505	WOLONG	very good	3	2	4	4	3	2	2	6	4

ID	Location	Males	711	724	726	736	770	787	788	529	540
		MK	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA poor	CHENPANDA poor
581	WOLONG	very good	3	2	3	3	3	1	1	6	4
656	WOLONG	very good	3	2	4	3	3	2	2	6	4
701	WOLONG	very good	3	2	4	4	3	2	2	6	4
654	XIUNING	Good	3	2	3	3	3	2	2	4	4
672	XIUNING	poor	4	4	4	4	4	4	4	4	4
544	YAAN BC	very good	3	2	3	3	3	1	1	6	4
698	YAAN BC	very good	3	2	3	3	3	1	1	6	4
702	YAAN BC	very good	3	2	4	4	3	2	2	6	4
776	YAAN BC	very good	3	2	3	3	3	1	1	6	4
403	YAAN BC	Good	2	2	3	3	3	2	2	4	-
439	YAAN BC	Good	3	1	3	3	3	1	1	6	4
474	YAAN BC	Good	2	3	2	2	2	3	3	4	4
495	YAAN BC	Good	2	2	3	2	2	2	2	4	3
512	YAAN BC	Good	2	3	2	2	2	3	3	4	3
569	YAAN BC	Good	3	2	3	3	3	2	2	4	6
572	YAAN BC	Good	2	3	2	2	2	3	3	4	3
692	YAAN BC	Good	2	2	3	2	2	2	2	4	4
755	YAAN BC	Good	2	3	2	2	2	3	3	4	3
759	YAAN BC	Good	3	2	3	3	3	2	2	4	4
760	YAAN BC	Good	3	2	3	3	3	2	2	4	4
771	YAAN BC	Good	2	3	2	2	2	3	3	4	3
784	YAAN BC	Good	3	2	3	3	3	2	2	4	4
791	YAAN BC	Good	3	1	3	3	3	1	1	6	4
794	YAAN BC	Good	3	2	3	3	3	2	2	4	3
800	YAAN BC	Good	2	3	2	2	2	3	3	4	4
432	YAAN BC	poor	6	6	4	6	6	6	6	4	4
437	YAAN BC	poor	6	6	4	4	4	6	6	4	4
476	YAAN BC	poor	6	6	4	6	6	6	6	4	4
487	YAAN BC	poor	4	4	4	4	4	4	4	4	4
511	YAAN BC	poor	4	6	4	4	4	6	6	4	4
516	YAAN BC	poor	6	6	6	6	6	6	6	4	4
547	YAAN BC	poor	4	6	4	4	4	6	6	4	4
549	YAAN BC	poor	4	6	4	4	4	6	6	4	4
557	YAAN BC	poor	4	6	4	4	4	6	6	4	4
565	YAAN BC	poor	4	6	4	4	4	6	6	4	4
567	YAAN BC	poor	3	3	2	2	2	4	4	4	4
568	YAAN BC	poor	4	4	4	4	4	4	4	4	4
571	YAAN BC	poor	6	6	6	6	6	6	6	4	4
596	YAAN BC	poor	4	3	2	3	3	3	3	4	4
600	YAAN BC	poor	4	6	4	4	4	6	6	4	4
611	YAAN BC	poor	6	6	4	6	6	6	6	4	4
625	YAAN BC	poor	4	4	4	4	4	3	3	4	4
664	YAAN BC	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	711	724	726	736	770	787	788	529	540
		Females	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA good	CHENPANDA poor
		MK									
673	YAAN BC	poor	4	4	4	4	4	4	4	4	4
682	YAAN BC	poor	4	6	4	4	4	6	6	4	4
694	YAAN BC	poor	4	3	2	3	3	3	3	4	4
741	YAAN BC	poor	3	4	4	4	4	4	4	4	4
751	YAAN BC	poor	4	6	4	4	4	6	6	4	4
766	YAAN BC	poor	4	6	4	4	4	6	6	4	4
774	YAAN BC	poor	4	4	4	4	4	4	4	4	4
781	YAAN BC	poor	4	4	4	4	4	4	4	4	4
477	YAAN BC	bad	6	6	6	6	6	6	6	4	4
631	YUNNAN W	poor	3	3	4	3	3	4	4	4	4
634	YUNNAN W	poor	4	4	4	4	4	4	4	4	4
650	YUNNAN W	poor	3	3	2	2	2	3	3	4	4

ID	Location	Males	573	574	575	614	662	717	718	727	732
		MK	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor
610	ABERDE HK	poor	4	4	4	4	4	4	4	4	4
638	ADELAIDE	poor	4	4	4	4	4	4	4	4	4
678	ANJI BAMB	Good	4	4	4	4	4	4	4	6	4
452	ATLANTA	Good	4	4	4	4	4	4	4	6	4
652	BEIJING	Good	2	3	4	2	2	4	4	4	4
691	BEIJING	Good	4	4	6	4	4	6	6	6	4
566	BEIJING	poor	4	4	4	4	4	4	4	4	4
669	BEIJING	poor	4	4	4	4	4	4	4	4	4
765	CHENPANDA	very good	4	4	6	4	4	6	6	6	6
387	CHENPANDA	Good	3	3	-	3	3	4	4	6	4
401	CHENPANDA	Good	3	3	-	3	3	4	4	6	4
407	CHENPANDA	Good	-	-	4	-	-	4	4	4	4
425	CHENPANDA	Good	4	4	4	4	4	4	4	4	4
480	CHENPANDA	Good	2	2	4	2	2	-	-	4	4
522	CHENPANDA	Good	4	4	4	4	4	4	4	6	4
523	CHENPANDA	Good	4	4	4	4	4	4	4	4	4
561	CHENPANDA	Good	4	4	4	4	4	4	4	6	4
598	CHENPANDA	Good	4	4	4	4	4	4	4	4	4
637	CHENPANDA	Good	4	4	4	4	4	4	4	4	4
680	CHENPANDA	Good	4	4	4	4	4	4	4	6	4
681	CHENPANDA	Good	2	2	-	2	2	4	4	4	4
725	CHENPANDA	Good	4	4	4	4	4	4	4	6	4
761	CHENPANDA	Good	3	3	4	3	3	4	4	6	4
762	CHENPANDA	Good	3	3	4	3	3	4	4	6	4
362	CHENPANDA	poor	4	4	-	4	4	4	4	4	-
453	CHENPANDA	poor	4	4	-	4	4	4	4	-	6
490	CHENPANDA	poor	-	-	-	-	-	4	4	5	-
491	CHENPANDA	poor	-	-	-	-	-	4	4	5	-
494	CHENPANDA	poor	4	4	-	4	4	4	4	6	-
537	CHENPANDA	poor	4	4	-	4	4	4	4	-	6
554	CHENPANDA	poor	4	4	-	4	4	4	4	6	-
555	CHENPANDA	poor	4	4	-	4	4	4	4	6	-
570	CHENPANDA	poor	4	4	-	4	4	4	4	6	-
593	CHENPANDA	poor	4	4	-	4	4	4	4	5	6
635	CHENPANDA	poor	4	4	5	4	4	5	5	6	4
645	CHENPANDA	poor	4	4	4	4	4	5	5	5	4
665	CHENPANDA	poor	4	4	4	4	4	4	4	5	4
667	CHENPANDA	poor	4	4	4	4	4	-	-	5	4
671	CHENPANDA	poor	4	4	4	4	4	5	5	5	4
709	CHENPANDA	poor	4	4	4	4	4	4	4	6	4
710	CHENPANDA	poor	4	4	4	4	4	4	4	6	4
722	CHENPANDA	poor	4	4	5	4	4	-	-	-	5
723	CHENPANDA	poor	4	4	5	4	4	-	-	-	5

ID	Location	Males	573	574	575	614	662	717	718	727	732
		Males MK	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor
763	CHENPANDA	poor	4	4	6	4	4	4	4	6	4
764	CHENPANDA	poor	4	4	-	4	4	4	4	-	4
779	CHENPANDA	poor	4	4	5	4	4	5	5	5	5
796	CHENPANDA	poor	4	-	4	4	4	4	4	4	6
740	CHIANGMAI	poor	4	4	4	4	4	4	4	4	4
539	CHIANGMAI	bad	4	4	4	4	4	4	4	4	4
385	CHONGQING	Good	3	3	4	3	3	-	-	6	4
493	CHONGQING	poor	4	4	-	4	4	4	4	6	-
548	CHONGQING	poor	4	4	4	4	4	4	4	4	4
632	GUILIN	poor	4	4	4	4	4	4	4	4	4
641	GUILIN	poor	4	4	4	4	4	4	4	4	4
434	KOBE PARK	Good	3	4	4	3	3	6	6	6	4
660	LOUGUANTA	very good	4	4	6	4	4	6	6	6	6
699	LOUGUANTA	very good	4	4	6	4	4	6	6	6	6
700	LOUGUANTA	very good	4	4	6	4	4	6	6	6	6
754	LOUGUANTA	very good	4	4	6	4	4	6	6	6	6
509	LOUGUANTA	Good	3	3	4	3	3	4	4	6	4
562	LOUGUANTA	Good	4	4	6	4	4	6	6	6	4
603	LOUGUANTA	Good	4	4	4	4	4	4	4	4	4
757	LOUGUANTA	Good	3	4	4	3	3	6	6	6	4
576	MADRID Z	Good	3	3	4	3	3	4	4	6	4
507	MEMPHIS	very good	4	4	6	4	4	6	6	6	4
360	MEXICOCTY	very good	4	4	6	4	4	6	6	6	6
643	NANJING	Good	4	4	4	4	4	4	4	4	4
651	NANJING	poor	4	4	4	4	4	4	4	4	4
473	NZP-WASH	Good	4	4	4	4	4	6	6	6	4
601	PANYU	Good	3	4	4	3	3	6	6	6	4
618	PANYU	poor	4	4	4	4	4	4	4	4	4
371	SANDIEGOZ	bad	4	4	4	4	4	4	4	5	4
712	SHANGHAI	Good	2	3	4	2	2	4	4	4	4
739	SHANGHAI	Good	3	3	4	3	3	4	4	6	4
704	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
706	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
734	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
735	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
587	TAIPEI	poor	4	4	4	4	4	4	4	5	4
514	VIENNA	poor	4	4	4	4	4	4	4	4	4
521	WAKAYAMA	poor	-	-	-	-	-	4	4	5	-
663	WAKAYAMA	poor	-	-	4	-	-	4	4	4	-
737	WAKAYAMA	poor	-	-	4	-	-	4	4	4	-
783	WAKAYAMA	poor	-	-	4	-	-	4	4	4	-
505	WOLONG	very good	4	4	6	4	4	6	6	6	6

ID	Location	Males	573	574	575	614	662	717	718	727	732
		MK	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor
581	WOLONG	very good	4	4	6	4	4	6	6	6	6
656	WOLONG	very good	4	4	6	4	4	6	6	6	6
701	WOLONG	very good	4	4	6	4	4	6	6	6	6
654	XIUNING	Good	3	3	4	3	3	4	4	6	4
672	XIUNING	poor	4	4	4	4	4	4	4	4	4
544	YAAN BC	very good	4	4	6	4	4	6	6	6	6
698	YAAN BC	very good	4	4	6	4	4	6	6	6	6
702	YAAN BC	very good	4	4	6	4	4	6	6	6	6
776	YAAN BC	very good	4	4	6	4	4	6	6	6	6
403	YAAN BC	Good	-	-	4	-	-	4	4	6	4
439	YAAN BC	Good	4	4	6	4	4	6	6	6	4
474	YAAN BC	Good	4	4	4	4	4	4	4	4	4
495	YAAN BC	Good	3	3	4	3	3	4	4	6	4
512	YAAN BC	Good	3	3	4	3	3	4	4	4	4
569	YAAN BC	Good	6	6	4	6	6	4	4	6	4
572	YAAN BC	Good	2	2	4	2	2	4	4	4	4
692	YAAN BC	Good	4	4	4	4	4	4	4	6	4
755	YAAN BC	Good	3	3	4	3	3	4	4	4	4
759	YAAN BC	Good	3	3	4	3	3	4	4	6	4
760	YAAN BC	Good	3	3	4	3	3	4	4	6	4
771	YAAN BC	Good	2	3	4	2	2	4	4	4	4
784	YAAN BC	Good	4	4	4	4	4	4	4	6	4
791	YAAN BC	Good	4	4	6	4	4	6	6	6	4
794	YAAN BC	Good	3	3	4	3	3	4	4	6	4
800	YAAN BC	Good	4	4	4	4	4	4	4	4	4
432	YAAN BC	poor	4	4	4	4	4	4	4	4	4
437	YAAN BC	poor	4	4	4	4	4	4	4	4	4
476	YAAN BC	poor	4	4	4	4	4	4	4	4	4
487	YAAN BC	poor	4	4	4	4	4	4	4	4	4
511	YAAN BC	poor	4	4	4	4	4	4	4	4	4
516	YAAN BC	poor	4	4	4	4	4	4	4	4	4
547	YAAN BC	poor	4	4	4	4	4	4	4	4	4
549	YAAN BC	poor	4	4	4	4	4	4	4	4	4
557	YAAN BC	poor	4	4	4	4	4	4	4	4	4
565	YAAN BC	poor	4	4	4	4	4	4	4	4	4
567	YAAN BC	poor	4	4	4	4	4	4	4	4	4
568	YAAN BC	poor	4	4	4	4	4	4	4	4	4
571	YAAN BC	poor	4	4	4	4	4	5	5	4	4
596	YAAN BC	poor	4	4	4	4	4	4	4	4	4
600	YAAN BC	poor	4	4	4	4	4	5	5	5	4
611	YAAN BC	poor	4	4	4	4	4	5	5	4	4
625	YAAN BC	poor	4	4	6	4	4	4	4	4	4
664	YAAN BC	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	573	574	575	614	662	717	718	727	732
		Female	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor	CHENPANDA poor
673	YAAN BC	poor	4	4	4	4	4	4	4	4	4
682	YAAN BC	poor	4	4	4	4	4	4	4	4	4
694	YAAN BC	poor	4	4	4	4	4	4	4	4	4
741	YAAN BC	poor	4	4	4	4	4	4	4	4	4
751	YAAN BC	poor	4	4	4	4	4	4	4	4	4
766	YAAN BC	poor	4	4	4	4	4	4	4	4	4
774	YAAN BC	poor	4	4	4	4	4	4	4	4	4
781	YAAN BC	poor	4	4	4	4	4	4	4	4	4
477	YAAN BC	bad	4	4	4	4	4	4	4	4	4
631	YUNNAN W	poor	4	4	4	4	4	4	4	4	4
634	YUNNAN W	poor	4	4	4	4	4	4	4	4	4
650	YUNNAN W	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	769	780	455	644	510	513	648	676	525
		Female	CHENPANDA poor	CHENPANDA poor	CHENPANDA bad	CHENPANDA bad	CHIANGMAI good	CHONGQING poor	CHONGQING poor	CHONGQING poor	FUCHOW poor
		MK									
610	ABERDE HK	poor	4	4	5	4	4	4	4	4	6
638	ADELAIDE	poor	4	4	5	4	4	4	4	4	4
678	ANJI BAMB	Good	-	6	6	6	2	6	4	4	4
452	ATLANTA	Good	-	6	6	6	2	6	6	6	4
652	BEIJING	Good	2	4	6	4	3	-	4	4	4
691	BEIJING	Good	4	6	6	6	2	6	6	6	6
566	BEIJING	poor	4	4	4	4	3	-	-	-	4
669	BEIJING	poor	4	4	5	4	4	5	4	4	5
765	CHENPANDA	very good	4	6	6	6	2	6	6	6	6
387	CHENPANDA	Good	4	6	6	6	2	6	4	4	4
401	CHENPANDA	Good	4	6	6	6	2	6	6	6	6
407	CHENPANDA	Good	4	6	6	6	2	4	4	4	4
425	CHENPANDA	Good	-	6	6	6	2	4	4	4	4
480	CHENPANDA	Good	2	4	6	4	3	4	-	-	4
522	CHENPANDA	Good	4	6	6	6	2	6	4	4	4
523	CHENPANDA	Good	4	4	6	6	2	4	4	4	4
561	CHENPANDA	Good	4	6	6	6	2	6	6	6	6
598	CHENPANDA	Good	4	4	6	4	3	4	4	4	4
637	CHENPANDA	Good	4	4	6	4	3	4	4	4	4
680	CHENPANDA	Good	4	6	6	6	2	6	6	6	6
681	CHENPANDA	Good	6	4	6	5	3	4	4	4	4
725	CHENPANDA	Good	4	6	6	6	2	6	6	6	6
761	CHENPANDA	Good	4	6	6	6	2	4	4	4	4
762	CHENPANDA	Good	4	6	6	6	2	4	4	4	4
362	CHENPANDA	poor	4	4	4	5	3	4	-	-	4
453	CHENPANDA	poor	-	5	5	-	4	4	6	6	4
490	CHENPANDA	poor	6	-	5	5	6	4	5	5	4
491	CHENPANDA	poor	6	-	5	5	6	4	5	5	4
494	CHENPANDA	poor	6	5	5	6	4	4	-	-	4
537	CHENPANDA	poor	-	5	5	-	4	4	6	6	4
554	CHENPANDA	poor	6	5	5	6	4	4	-	-	4
555	CHENPANDA	poor	6	5	5	6	4	4	-	-	4
570	CHENPANDA	poor	6	5	5	6	4	4	-	-	4
593	CHENPANDA	poor	6	6	5	5	4	4	5	5	4
635	CHENPANDA	poor	4	5	-	-	6	4	4	4	4
645	CHENPANDA	poor	-	5	-	-	6	4	4	4	4
665	CHENPANDA	poor	4	5	-	-	4	4	4	4	4
667	CHENPANDA	poor	4	6	-	-	6	4	5	5	4
671	CHENPANDA	poor	4	5	-	-	6	4	4	4	4
709	CHENPANDA	poor	4	6	5	4	3	4	4	4	4
710	CHENPANDA	poor	4	6	5	4	3	4	4	4	4
722	CHENPANDA	poor	4	-	-	6	6	4	4	4	4
723	CHENPANDA	poor	4	-	-	6	6	4	4	4	4

ID	Location	Males	769	780	455	644	510	513	648	676	525
		MK	CHENPANDA poor	CHENPANDA poor	CHENPANDA bad	CHENPANDA bad	CHIANGMAI good	CHONGQING poor	CHONGQING poor	CHONGQING poor	FUCHOW poor
763	CHENPANDA	poor	4	4	4	4	3	4	4	4	4
764	CHENPANDA	poor	4	4	4	-	3	4	4	4	4
779	CHENPANDA	poor	4	-	-	6	6	4	4	4	4
796	CHENPANDA	poor	4	4	4	4	3	4	4	4	4
740	CHIANGMAI	poor	4	4	-	5	-	4	4	4	4
539	CHIANGMAI	bad	4	4	-	5	6	5	4	4	5
385	CHONGQING	Good	3	6	6	6	2	4	-	-	4
493	CHONGQING	poor	6	5	5	6	4	4	-	-	4
548	CHONGQING	poor	4	4	5	4	6	-	4	4	-
632	GUILIN	poor	4	4	5	4	3	4	4	4	6
641	GUILIN	poor	4	4	5	4	4	4	4	4	6
434	KOBE PARK	Good	4	6	6	6	2	6	6	6	6
660	LOUGUANTA	very good	4	6	6	6	2	6	6	6	6
699	LOUGUANTA	very good	4	6	6	6	2	6	6	6	6
700	LOUGUANTA	very good	4	6	6	6	2	6	6	6	6
754	LOUGUANTA	very good	4	6	6	6	2	6	6	6	6
509	LOUGUANTA	Good	3	6	-	6	-	6	6	6	4
562	LOUGUANTA	Good	4	6	6	6	2	6	6	6	6
603	LOUGUANTA	Good	4	4	6	4	3	4	4	4	4
757	LOUGUANTA	Good	4	6	6	6	-	6	6	6	6
576	MADRID Z	Good	4	6	6	6	2	4	4	4	4
507	MEMPHIS	very good	4	6	6	6	2	6	6	6	6
360	MEXICOCTY	very good	4	6	6	6	2	6	6	6	6
643	NANJING	Good	3	6	6	6	4	4	4	4	4
651	NANJING	poor	4	4	4	4	3	4	4	4	4
473	NZP-WASH	Good	4	6	6	6	1	6	6	6	6
601	PANYU	Good	4	6	6	6	4	6	6	6	6
618	PANYU	poor	4	4	5	4	4	4	-	-	4
371	SANDIEGOZ	bad	4	5	-	5	6	-	5	5	-
712	SHANGHAI	Good	3	4	-	6	-	4	4	4	4
739	SHANGHAI	Good	3	6	6	6	4	6	6	6	6
704	SHANGHAI	poor	4	4	6	4	-	4	4	4	4
706	SHANGHAI	poor	4	4	4	4	4	-	4	4	4
734	SHANGHAI	poor	4	4	5	4	4	5	5	5	5
735	SHANGHAI	poor	4	4	5	4	4	5	5	5	5
587	TAIPEI	poor	4	5	-	-	4	4	4	4	4
514	VIENNA	poor	4	4	5	5	6	-	4	4	-
521	WAKAYAMA	poor	6	-	5	5	6	4	5	5	4
663	WAKAYAMA	poor	4	4	4	4	3	4	4	4	4
737	WAKAYAMA	poor	4	5	5	4	3	4	4	4	4
783	WAKAYAMA	poor	4	5	5	4	3	4	4	4	4
505	WOLONG	very good	4	6	6	6	2	6	6	6	6

ID	Location	Males	769	780	455	644	510	513	648	676	525
		MK	CHENPANDA poor	CHENPANDA poor	CHENPANDA bad	CHENPANDA bad	CHIANGMAI good	CHONGQING poor	CHONGQING poor	CHONGQING poor	FUCHOW poor
581	WOLONG	very good	4	6	6	6	2	6	6	6	6
656	WOLONG	very good	4	6	6	6	2	6	6	6	6
701	WOLONG	very good	4	6	6	6	2	6	6	6	6
654	XIUNING	Good	3	6	6	6	4	6	6	6	6
672	XIUNING	poor	4	4	5	4	4	4	4	4	6
544	YAAN BC	very good	4	6	6	6	2	6	6	6	6
698	YAAN BC	very good	4	6	6	6	2	6	6	6	6
702	YAAN BC	very good	4	6	6	6	2	6	6	6	6
776	YAAN BC	very good	4	6	6	6	2	6	6	6	6
403	YAAN BC	Good	3	6	6	6	2	6	6	6	4
439	YAAN BC	Good	4	6	6	6	-	6	6	6	6
474	YAAN BC	Good	4	4	6	6	3	-	4	4	4
495	YAAN BC	Good	3	6	6	6	-	4	4	4	4
512	YAAN BC	Good	3	6	6	6	2	4	4	4	6
569	YAAN BC	Good	3	6	6	6	2	6	6	6	6
572	YAAN BC	Good	2	4	6	4	3	4	4	4	4
692	YAAN BC	Good	4	6	6	6	2	6	6	6	4
755	YAAN BC	Good	3	4	6	6	2	4	4	4	4
759	YAAN BC	Good	3	6	6	6	4	6	6	6	6
760	YAAN BC	Good	3	6	6	6	4	6	6	6	6
771	YAAN BC	Good	3	4	6	6	3	4	4	4	4
784	YAAN BC	Good	3	6	6	6	2	6	6	6	6
791	YAAN BC	Good	4	6	6	6	2	6	6	6	6
794	YAAN BC	Good	3	6	6	6	4	6	6	6	6
800	YAAN BC	Good	4	4	6	6	3	4	4	4	4
432	YAAN BC	poor	4	4	-	5	6	5	4	4	-
437	YAAN BC	poor	4	4	-	5	6	5	4	4	-
476	YAAN BC	poor	4	4	-	5	6	5	4	4	-
487	YAAN BC	poor	4	4	5	4	4	5	4	4	4
511	YAAN BC	poor	4	4	5	4	4	-	4	4	-
516	YAAN BC	poor	4	4	-	5	6	5	4	4	5
547	YAAN BC	poor	4	4	5	5	6	-	4	4	-
549	YAAN BC	poor	4	4	5	4	6	-	4	4	-
557	YAAN BC	poor	4	4	5	4	6	5	4	4	5
565	YAAN BC	poor	4	4	-	5	4	5	4	4	5
567	YAAN BC	poor	4	4	4	4	3	-	-	-	4
568	YAAN BC	poor	4	4	5	4	4	5	4	4	4
571	YAAN BC	poor	4	4	5	5	6	5	-	-	5
596	YAAN BC	poor	4	4	5	4	3	4	4	4	4
600	YAAN BC	poor	4	5	-	-	6	-	4	4	4
611	YAAN BC	poor	4	4	5	5	6	5	-	-	5
625	YAAN BC	poor	4	4	-	6	-	4	4	4	4
664	YAAN BC	poor	4	4	6	4	4	5	4	4	4

ID	Location	Males	769	780	455	644	510	513	648	676	525	
		Females	CHENPANDA poor	CHENPANDA poor	CHENPANDA bad	CHENPANDA bad	CHIANGMAI good	CHONGQING poor	CHONGQING poor	CHONGQING poor	FUCHOW poor	
		MK										
673	YAAN BC	poor	4	4	5	4	4	4	4	4	6	
682	YAAN BC	poor	4	4	5	4	6	5	5	5	5	
694	YAAN BC	poor	4	4	5	4	3	4	4	4	4	
741	YAAN BC	poor	4	4	5	4	3	4	4	4	4	
751	YAAN BC	poor	4	4	5	4	6	5	4	4	5	
766	YAAN BC	poor	4	4	5	4	6	6	5	5	4	
774	YAAN BC	poor	4	4	5	4	4	4	4	4	6	
781	YAAN BC	poor	4	4	5	4	4	4	4	4	4	
477	YAAN BC	bad	4	5	5	5	6	-	4	4	-	
631	YUNNAN W	poor	4	4	5	4	3	4	4	4	6	
634	YUNNAN W	poor	4	4	5	4	4	5	4	4	4	
650	YUNNAN W	poor	4	4	4	4	3	4	4	4	4	

ID	Location	Males	532	538	689	518	628	515	592	624	697
		Female	FUCHOW poor	FUCHOW poor	GUANGZH Z good	GUANGZH Z poor	GUIZHOU W bad	HEFEI W poor	LANCHOW poor	LOUGUANTA very good	LOUGUANTA very good
610	ABERDE HK	poor	4	5	4	4	4	4	4	6	4
638	ADELAIDE	poor	4	5	4	4	4	4	4	6	6
678	ANJI BAMB	Good	4	6	2	4	6	4	4	3	2
452	ATLANTA	Good	4	6	2	4	6	4	4	3	2
652	BEIJING	Good	4	4	3	4	6	4	2	4	3
691	BEIJING	Good	6	6	2	6	6	4	3	1	1
566	BEIJING	poor	4	4	3	4	4	4	4	4	4
669	BEIJING	poor	4	4	4	4	4	4	4	6	6
765	CHENPANDA	very good	6	6	2	6	6	6	4	1	1
387	CHENPANDA	Good	4	6	2	4	6	-	4	3	2
401	CHENPANDA	Good	4	6	2	6	6	-	4	2	2
407	CHENPANDA	Good	4	6	2	4	6	4	-	3	3
425	CHENPANDA	Good	4	6	2	4	6	4	4	3	3
480	CHENPANDA	Good	4	4	3	4	4	4	2	4	4
522	CHENPANDA	Good	4	6	2	4	6	4	6	3	2
523	CHENPANDA	Good	4	6	2	4	6	4	6	3	3
561	CHENPANDA	Good	4	6	2	6	6	4	4	2	2
598	CHENPANDA	Good	4	4	3	4	4	4	4	4	4
637	CHENPANDA	Good	4	4	3	4	4	4	4	4	4
680	CHENPANDA	Good	4	6	2	4	6	4	4	2	2
681	CHENPANDA	Good	4	4	3	4	6	-	4	4	3
725	CHENPANDA	Good	4	6	2	4	6	4	4	2	2
761	CHENPANDA	Good	4	6	2	4	6	4	4	3	3
762	CHENPANDA	Good	4	6	2	4	6	4	4	3	3
362	CHENPANDA	poor	4	4	3	4	4	-	4	4	4
453	CHENPANDA	poor	4	4	4	4	5	-	6	6	6
490	CHENPANDA	poor	4	4	6	4	-	-	-	6	6
491	CHENPANDA	poor	4	4	6	4	-	-	-	6	6
494	CHENPANDA	poor	4	4	4	4	5	-	4	6	6
537	CHENPANDA	poor	4	4	4	4	5	-	6	6	6
554	CHENPANDA	poor	4	4	4	4	5	-	4	6	6
555	CHENPANDA	poor	4	4	4	4	5	-	4	6	6
570	CHENPANDA	poor	4	4	4	4	5	-	4	6	6
593	CHENPANDA	poor	4	4	4	4	-	-	-	6	6
635	CHENPANDA	poor	4	5	6	4	-	5	4	6	6
645	CHENPANDA	poor	4	5	6	4	-	4	4	6	6
665	CHENPANDA	poor	4	5	6	4	-	4	4	6	6
667	CHENPANDA	poor	4	5	6	4	-	4	4	6	6
671	CHENPANDA	poor	4	5	6	4	-	4	4	6	6
709	CHENPANDA	poor	4	4	3	4	-	4	4	4	4
710	CHENPANDA	poor	4	4	3	4	-	4	4	4	4
722	CHENPANDA	poor	4	4	6	4	-	5	4	6	6
723	CHENPANDA	poor	4	4	6	4	-	5	4	6	6

ID	Location	Males	532	538	689	518	628	515	592	624	697
		Males MK	FUCHOW poor	FUCHOW poor	GUANGZH Z good	GUANGZH Z poor	GUIZHOU W bad	HEFEI W poor	LANCHOW poor	LOUGUANTA very good	LOUGUANTA very good
763	CHENPANDA	poor	4	4	3	4	4	6	4	4	4
764	CHENPANDA	poor	4	4	3	4	4	-	4	4	4
779	CHENPANDA	poor	4	4	6	4	-	5	4	6	6
796	CHENPANDA	poor	4	4	3	4	4	4	4	4	4
740	CHIANGMAI	poor	4	-	4	4	5	4	4	6	6
539	CHIANGMAI	bad	5	-	6	5	5	4	4	6	6
385	CHONGQING	Good	4	6	2	4	6	4	3	3	3
493	CHONGQING	poor	4	4	4	4	5	-	4	6	6
548	CHONGQING	poor	-	5	6	-	5	4	4	6	6
632	GUILIN	poor	4	5	4	4	4	4	4	4	4
641	GUILIN	poor	4	5	4	4	4	4	4	6	6
434	KOBE PARK	Good	4	6	2	6	6	4	3	1	1
660	LOUGUANTA	very good	6	6	2	6	6	6	4	1	1
699	LOUGUANTA	very good	6	6	2	6	6	6	4	1	1
700	LOUGUANTA	very good	6	6	2	6	6	6	4	1	1
754	LOUGUANTA	very good	6	6	2	6	6	6	4	1	-
509	LOUGUANTA	Good	4	6	4	4	6	4	3	2	2
562	LOUGUANTA	Good	4	6	1	6	6	4	3	1	1
603	LOUGUANTA	Good	4	4	3	4	4	4	2	4	4
757	LOUGUANTA	Good	4	6	4	6	6	4	3	1	4
576	MADRID Z	Good	4	6	2	4	6	4	4	3	3
507	MEMPHIS	very good	6	6	2	6	6	6	4	1	1
360	MEXICOCTY	very good	6	6	2	6	6	6	4	1	1
643	NANJING	Good	4	6	-	4	6	4	3	3	3
651	NANJING	poor	4	4	3	4	4	4	4	4	4
473	NZP-WASH	Good	4	6	1	6	6	4	4	1	1
601	PANYU	Good	4	6	-	6	6	4	3	1	1
618	PANYU	poor	4	4	4	4	4	4	4	6	6
371	SANDIEGOZ	bad	-	-	6	-	5	4	6	6	6
712	SHANGHAI	Good	4	6	3	4	6	4	2	4	3
739	SHANGHAI	Good	4	6	-	4	6	4	3	2	2
704	SHANGHAI	poor	4	4	4	-	4	4	4	4	4
706	SHANGHAI	poor	4	4	3	4	4	4	4	4	4
734	SHANGHAI	poor	4	4	4	5	4	4	4	6	6
735	SHANGHAI	poor	4	4	4	5	4	4	4	6	6
587	TAIPEI	poor	4	5	4	4	-	4	4	6	6
514	VIENNA	poor	-	5	6	-	5	4	4	6	6
521	WAKAYAMA	poor	4	4	6	4	-	-	-	6	6
663	WAKAYAMA	poor	4	4	3	4	5	4	4	4	4
737	WAKAYAMA	poor	4	4	4	4	5	4	4	6	4
783	WAKAYAMA	poor	4	4	4	4	5	4	4	6	4
505	WOLONG	very good	6	6	2	6	6	6	4	1	1

ID	Location	Males	532	538	689	518	628	515	592	624	697
		Males MK	FUCHOW poor	FUCHOW poor	GUANGZH Z good	GUANGZH Z poor	GUIZHOU W bad	HEFEI W poor	LANCHOW poor	LOUGUANTA very good	LOUGUANTA very good
581	WOLONG	very good	6	6	2	6	6	6	4	1	1
656	WOLONG	very good	6	6	2	6	6	6	4	1	1
701	WOLONG	very good	6	6	2	6	6	6	4	1	1
654	XIUNING	Good	4	6	2	6	6	4	3	2	2
672	XIUNING	poor	4	5	4	4	4	4	4	6	6
544	YAAN BC	very good	6	6	2	6	6	6	4	1	1
698	YAAN BC	very good	6	6	2	6	6	6	4	1	1
702	YAAN BC	very good	6	6	2	6	6	6	4	1	1
776	YAAN BC	very good	6	6	-	6	6	6	4	1	1
403	YAAN BC	Good	4	6	2	4	6	4	3	2	2
439	YAAN BC	Good	6	6	4	-	6	4	3	1	1
474	YAAN BC	Good	4	6	3	4	6	4	4	3	3
495	YAAN BC	Good	4	-	-	4	6	4	3	3	3
512	YAAN BC	Good	4	6	2	4	6	4	2	3	3
569	YAAN BC	Good	4	6	2	4	6	4	3	2	2
572	YAAN BC	Good	4	6	4	4	4	4	2	4	4
692	YAAN BC	Good	4	6	-	4	6	4	4	3	2
755	YAAN BC	Good	4	6	4	4	6	4	2	3	3
759	YAAN BC	Good	4	6	4	6	6	4	3	2	1
760	YAAN BC	Good	4	6	4	6	6	4	3	2	1
771	YAAN BC	Good	4	6	6	4	6	4	2	4	3
784	YAAN BC	Good	4	6	-	4	6	4	3	2	2
791	YAAN BC	Good	6	6	4	6	6	4	3	1	1
794	YAAN BC	Good	4	6	-	4	6	4	3	2	2
800	YAAN BC	Good	4	4	3	4	6	4	4	4	3
432	YAAN BC	poor	5	-	6	5	5	4	4	6	6
437	YAAN BC	poor	5	-	6	5	5	4	4	6	6
476	YAAN BC	poor	5	-	6	5	5	4	4	6	6
487	YAAN BC	poor	4	5	4	4	4	4	4	6	6
511	YAAN BC	poor	-	5	4	-	4	4	4	6	6
516	YAAN BC	poor	5	-	6	5	5	4	4	6	6
547	YAAN BC	poor	-	5	6	-	5	4	4	6	6
549	YAAN BC	poor	-	5	6	-	4	4	4	6	6
557	YAAN BC	poor	4	-	6	5	4	4	4	6	6
565	YAAN BC	poor	-	-	6	5	5	4	4	6	6
567	YAAN BC	poor	4	4	3	4	4	4	4	4	4
568	YAAN BC	poor	4	5	4	4	4	4	4	6	6
571	YAAN BC	poor	5	6	6	5	5	4	4	6	6
596	YAAN BC	poor	4	5	3	4	4	4	4	4	4
600	YAAN BC	poor	4	5	6	4	-	4	4	6	6
611	YAAN BC	poor	5	6	6	5	5	4	4	6	6
625	YAAN BC	poor	4	4	3	4	6	6	-	4	4
664	YAAN BC	poor	4	4	4	4	4	4	4	6	6

ID	Location	Males	532	538	689	518	628	515	592	624	697
		Females	FUCHOW poor	FUCHOW poor	GUANGZH Z good	GUANGZH Z poor	GUIZHOU W bad	HEFEI W poor	LANCHOW poor	LOUGUANTA very good	LOUGUANTA very good
		MK									
673	YAAN BC	poor	4	5	4	4	4	4	4	6	6
682	YAAN BC	poor	5	6	6	5	5	4	4	6	6
694	YAAN BC	poor	4	5	3	4	4	4	4	4	4
741	YAAN BC	poor	4	4	4	4	4	4	4	4	4
751	YAAN BC	poor	4	5	6	5	4	4	4	6	6
766	YAAN BC	poor	4	-	6	4	4	4	4	6	6
774	YAAN BC	poor	4	5	4	4	4	4	4	6	6
781	YAAN BC	poor	4	4	4	4	4	4	4	6	6
477	YAAN BC	bad	-	-	6	-	5	4	4	6	6
631	YUNNAN W	poor	4	5	4	4	4	4	4	4	4
634	YUNNAN W	poor	-	4	4	4	4	4	4	6	4
650	YUNNAN W	poor	4	4	3	4	4	4	4	4	4

ID	Location	Males	703	753	377	553	520	792	793	519	466
		MK	LOUGUANTA very good	LOUGUANTA very good	LOUGUANTA good	LOUGUANTA good	LUOYANG good	MADRID Z good	MADRID Z good	MADRID Z poor	MEMPHIS good
610	ABERDE HK	poor	6	4	3	4	4	4	4	4	3
638	ADELAIDE	poor	6	6	4	4	4	4	4	4	4
678	ANJI BAMB	Good	3	2	2	4	4	4	4	4	2
452	ATLANTA	Good	3	2	2	4	-	4	4	-	2
652	BEIJING	Good	4	3	3	2	2	2	2	2	4
691	BEIJING	Good	1	1	2	4	3	3	3	3	3
566	BEIJING	poor	4	4	3	2	2	2	2	4	-
669	BEIJING	poor	6	6	4	4	4	4	4	4	4
765	CHENPANDA	very good	1	1	3	4	4	4	4	4	3
387	CHENPANDA	Good	3	2	2	3	3	4	4	3	2
401	CHENPANDA	Good	2	1	2	3	3	4	4	3	2
407	CHENPANDA	Good	3	3	2	-	2	2	2	3	2
425	CHENPANDA	Good	3	2	2	4	-	4	4	-	2
480	CHENPANDA	Good	4	3	3	2	2	2	2	2	-
522	CHENPANDA	Good	3	2	2	4	3	4	4	3	2
523	CHENPANDA	Good	3	3	2	4	2	4	4	2	2
561	CHENPANDA	Good	2	1	2	4	-	4	4	-	2
598	CHENPANDA	Good	4	3	3	4	2	4	4	2	3
637	CHENPANDA	Good	4	3	3	4	2	4	4	2	3
680	CHENPANDA	Good	2	2	2	4	3	4	4	3	2
681	CHENPANDA	Good	4	3	3	2	-	-	-	-	3
725	CHENPANDA	Good	2	4	-	4	3	4	4	3	2
761	CHENPANDA	Good	3	4	-	2	2	4	4	3	2
762	CHENPANDA	Good	3	4	-	2	2	4	4	3	2
362	CHENPANDA	poor	4	4	3	3	4	4	4	4	3
453	CHENPANDA	poor	6	6	4	4	-	6	6	-	4
490	CHENPANDA	poor	6	6	6	4	-	4	4	-	6
491	CHENPANDA	poor	6	6	6	4	-	4	4	-	4
494	CHENPANDA	poor	6	6	4	4	-	4	4	-	4
537	CHENPANDA	poor	6	6	4	4	-	6	6	-	4
554	CHENPANDA	poor	6	6	4	4	-	4	4	-	4
555	CHENPANDA	poor	6	6	4	4	-	4	4	-	4
570	CHENPANDA	poor	6	6	4	4	-	4	4	-	4
593	CHENPANDA	poor	6	6	4	4	-	6	6	-	4
635	CHENPANDA	poor	6	6	6	4	4	4	4	4	6
645	CHENPANDA	poor	6	6	6	4	4	4	4	4	6
665	CHENPANDA	poor	6	6	4	4	-	4	4	-	4
667	CHENPANDA	poor	6	6	6	6	4	4	4	4	-
671	CHENPANDA	poor	6	6	6	4	4	4	4	4	6
709	CHENPANDA	poor	4	4	-	4	4	6	6	4	3
710	CHENPANDA	poor	4	4	-	4	4	6	6	4	3
722	CHENPANDA	poor	6	6	-	4	4	4	4	4	6
723	CHENPANDA	poor	6	6	-	4	4	4	4	4	6

ID	Location	Males	703	753	377	553	520	792	793	519	466
		MK	LOUGUANTA very good	LOUGUANTA very good	LOUGUANTA good	LOUGUANTA good	LUOYANG good	MADRID Z good	MADRID Z good	MADRID Z poor	MEMPHIS good
763	CHENPANDA	poor	4	4	-	3	4	6	6	4	3
764	CHENPANDA	poor	4	4	-	3	4	6	6	4	3
779	CHENPANDA	poor	6	6	6	6	4	4	4	4	6
796	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
740	CHIANGMAI	poor	6	4	4	4	4	4	4	4	3
539	CHIANGMAI	bad	6	6	6	6	6	6	6	4	6
385	CHONGQING	Good	3	2	2	2	3	3	3	3	-
493	CHONGQING	poor	6	6	4	4	-	4	4	-	4
548	CHONGQING	poor	6	6	6	4	4	4	4	4	6
632	GUILIN	poor	4	4	3	4	4	4	4	4	3
641	GUILIN	poor	6	4	4	4	4	4	4	4	4
434	KOBE PARK	Good	1	1	3	3	3	3	3	3	3
660	LOUGUANTA	very good	1	1	3	4	4	4	4	4	3
699	LOUGUANTA	very good	1	1	3	4	4	4	4	4	3
700	LOUGUANTA	very good	1	1	3	4	4	4	4	4	3
754	LOUGUANTA	very good	1	-	-	3	3	4	4	4	2
509	LOUGUANTA	Good	2	2	2	3	3	3	3	3	2
562	LOUGUANTA	Good	1	-	-	3	3	4	4	3	3
603	LOUGUANTA	Good	4	4	3	2	2	2	2	2	3
757	LOUGUANTA	Good	1	6	-	3	3	4	4	3	3
576	MADRID Z	Good	3	4	-	2	2	-	-	2	2
507	MEMPHIS	very good	1	1	2	4	3	3	3	4	2
360	MEXICOCTY	very good	1	1	2	3	4	4	4	4	2
643	NANJING	Good	3	2	2	4	3	2	2	3	2
651	NANJING	poor	4	4	3	4	2	2	2	4	4
473	NZP-WASH	Good	1	4	3	4	3	3	3	3	3
601	PANYU	Good	1	1	3	3	3	3	3	3	3
618	PANYU	poor	6	6	4	4	4	4	4	4	-
371	SANDIEGOZ	bad	6	6	6	6	6	6	6	4	6
712	SHANGHAI	Good	4	3	2	2	2	2	2	2	2
739	SHANGHAI	Good	2	2	2	3	3	3	3	3	2
704	SHANGHAI	poor	4	4	3	3	4	4	4	4	3
706	SHANGHAI	poor	4	4	3	3	4	4	4	4	4
734	SHANGHAI	poor	6	6	4	4	4	4	4	4	4
735	SHANGHAI	poor	6	6	4	4	4	4	4	4	4
587	TAIPEI	poor	6	6	4	4	4	4	4	4	4
514	VIENNA	poor	6	6	6	4	4	4	4	4	6
521	WAKAYAMA	poor	6	6	4	4	-	4	4	-	4
663	WAKAYAMA	poor	4	4	3	-	4	4	4	4	3
737	WAKAYAMA	poor	6	4	3	-	4	4	4	4	3
783	WAKAYAMA	poor	6	4	3	-	4	4	4	4	3
505	WOLONG	very good	1	1	3	4	4	4	4	4	3

ID	Location	Males	703	753	377	553	520	792	793	519	466
		MK	LOUGUANTA very good	LOUGUANTA very good	LOUGUANTA good	LOUGUANTA good	LUOYANG good	MADRID Z good	MADRID Z good	MADRID Z poor	MEMPHIS good
581	WOLONG	very good	1	1	2	3	4	4	4	4	2
656	WOLONG	very good	1	1	2	3	4	4	4	4	3
701	WOLONG	very good	1	1	3	4	4	4	4	4	3
654	XIUNING	Good	2	1	2	3	3	3	3	3	4
672	XIUNING	poor	6	4	4	4	4	4	4	4	4
544	YAAN BC	very good	1	1	2	3	4	3	3	4	2
698	YAAN BC	very good	1	1	2	3	4	4	4	4	2
702	YAAN BC	very good	1	1	3	4	4	4	4	4	3
776	YAAN BC	very good	1	1	2	3	3	3	3	4	2
403	YAAN BC	Good	2	2	2	-	3	3	3	3	2
439	YAAN BC	Good	1	1	2	3	3	3	3	4	2
474	YAAN BC	Good	3	3	2	4	2	2	2	2	2
495	YAAN BC	Good	3	2	2	2	3	3	3	3	2
512	YAAN BC	Good	3	3	2	2	2	2	2	3	2
569	YAAN BC	Good	2	1	2	6	3	3	3	3	2
572	YAAN BC	Good	4	3	3	2	2	2	2	2	3
692	YAAN BC	Good	3	2	2	4	3	3	3	3	2
755	YAAN BC	Good	3	3	2	2	2	2	2	2	2
759	YAAN BC	Good	2	1	2	3	3	3	3	3	3
760	YAAN BC	Good	2	1	2	3	3	3	3	3	3
771	YAAN BC	Good	4	3	3	2	2	2	2	2	2
784	YAAN BC	Good	2	1	2	4	3	3	3	3	2
791	YAAN BC	Good	1	1	2	3	3	3	3	3	2
794	YAAN BC	Good	2	2	2	3	3	3	3	3	2
800	YAAN BC	Good	4	3	2	4	2	2	2	2	2
432	YAAN BC	poor	6	6	6	6	4	4	4	4	6
437	YAAN BC	poor	6	6	6	4	4	4	4	4	6
476	YAAN BC	poor	6	6	6	4	4	4	4	4	6
487	YAAN BC	poor	6	6	4	4	4	4	4	4	4
511	YAAN BC	poor	6	6	4	4	4	4	4	4	4
516	YAAN BC	poor	6	6	6	6	4	6	6	4	6
547	YAAN BC	poor	6	6	6	4	4	4	4	4	6
549	YAAN BC	poor	6	6	6	4	4	4	4	4	6
557	YAAN BC	poor	6	6	6	4	4	4	4	4	4
565	YAAN BC	poor	6	6	4	4	4	4	4	4	4
567	YAAN BC	poor	4	4	3	2	2	2	2	4	-
568	YAAN BC	poor	6	6	4	4	4	4	4	4	4
571	YAAN BC	poor	6	6	6	6	4	6	6	4	-
596	YAAN BC	poor	4	4	3	2	4	2	2	4	3
600	YAAN BC	poor	6	6	6	4	4	4	4	4	6
611	YAAN BC	poor	6	6	6	6	4	4	4	4	-
625	YAAN BC	poor	4	4	3	2	4	4	4	4	3
664	YAAN BC	poor	6	4	4	4	4	4	4	4	4

ID	Location	Males	703	753	377	553	520	792	793	519	466
		Females	LOUGUANTA very good	LOUGUANTA very good	LOUGUANTA good	LOUGUANTA good	LUOYANG good	MADRID Z good	MADRID Z good	MADRID Z poor	MEMPHIS good
		MK									
673	YAAN BC	poor	6	4	4	4	4	4	4	4	4
682	YAAN BC	poor	6	6	6	4	4	4	4	4	6
694	YAAN BC	poor	4	4	3	2	4	2	2	4	3
741	YAAN BC	poor	4	4	3	4	4	4	4	4	4
751	YAAN BC	poor	6	6	4	4	4	4	4	4	4
766	YAAN BC	poor	6	6	4	4	4	4	4	4	4
774	YAAN BC	poor	6	4	4	4	4	4	4	4	4
781	YAAN BC	poor	6	6	4	4	4	4	4	4	4
477	YAAN BC	bad	6	6	6	6	6	6	6	4	6
631	YUNNAN W	poor	4	4	3	4	4	4	4	4	3
634	YUNNAN W	poor	6	4	3	4	4	4	4	4	4
650	YUNNAN W	poor	4	4	3	4	2	2	2	4	4

ID	Location	Males	642	458	609	613	564	415	749	357	582
		MK	NANJING good	NZP-WASH poor	PANYU good	PANYU good	QIQIHAR poor	SANDIEGOZ very good	SANDIEGOZ poor	SHANGHAI very good	SHANGHAI good
610	ABERDE HK	poor	4	-	4	4	4	4	4	4	-
638	ADELAIDE	poor	4	5	4	4	4	6	4	6	4
678	ANJI BAMB	Good	2	6	2	2	4	2	3	2	2
452	ATLANTA	Good	2	6	2	3	4	2	3	2	2
652	BEIJING	Good	4	4	3	4	4	3	2	3	3
691	BEIJING	Good	4	6	1	3	6	1	4	1	3
566	BEIJING	poor	3	4	3	-	4	4	4	4	3
669	BEIJING	poor	4	4	4	4	4	6	4	6	4
765	CHENPANDA	very good	3	6	2	4	6	1	4	1	3
387	CHENPANDA	Good	2	6	2	2	4	2	3	2	2
401	CHENPANDA	Good	2	6	2	3	6	1	3	2	2
407	CHENPANDA	Good	2	4	2	2	4	3	3	3	2
425	CHENPANDA	Good	2	4	2	2	4	2	3	2	2
480	CHENPANDA	Good	3	4	3	-	4	3	2	4	3
522	CHENPANDA	Good	2	6	2	2	4	2	3	2	2
523	CHENPANDA	Good	2	4	3	2	4	3	3	3	2
561	CHENPANDA	Good	3	6	2	3	6	1	3	1	2
598	CHENPANDA	Good	2	4	3	2	4	3	2	3	3
637	CHENPANDA	Good	2	4	3	2	4	3	2	3	3
680	CHENPANDA	Good	2	6	2	3	6	2	3	2	2
681	CHENPANDA	Good	2	4	3	2	4	3	2	3	3
725	CHENPANDA	Good	2	6	2	3	6	2	3	2	2
761	CHENPANDA	Good	2	4	2	2	4	3	3	3	2
762	CHENPANDA	Good	2	4	2	2	4	3	3	3	2
362	CHENPANDA	poor	3	4	3	3	4	4	4	4	3
453	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
490	CHENPANDA	poor	4	4	6	4	4	6	4	6	6
491	CHENPANDA	poor	4	4	6	4	4	6	4	6	6
494	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
537	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
554	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
555	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
570	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
593	CHENPANDA	poor	4	4	4	4	4	6	4	6	4
635	CHENPANDA	poor	6	5	6	4	5	6	4	6	6
645	CHENPANDA	poor	6	5	6	4	5	6	4	6	6
665	CHENPANDA	poor	4	5	6	4	5	6	4	6	4
667	CHENPANDA	poor	6	5	6	6	5	6	4	6	6
671	CHENPANDA	poor	6	5	6	6	5	6	4	6	6
709	CHENPANDA	poor	3	4	4	3	4	4	4	4	3
710	CHENPANDA	poor	3	4	4	3	4	4	4	4	3
722	CHENPANDA	poor	6	4	6	4	4	6	4	6	6
723	CHENPANDA	poor	6	4	6	4	4	6	4	6	6

ID	Location	Males	642	458	609	613	564	415	749	357	582
		MK	NANJING good	NZP-WASH poor	PANYU good	PANYU good	QIQIHAR poor	SANDIEGOZ very good	SANDIEGOZ poor	SHANGHAI very good	SHANGHAI good
763	CHENPANDA	poor	3	4	3	3	4	4	4	4	3
764	CHENPANDA	poor	3	4	3	3	4	4	4	4	3
779	CHENPANDA	poor	6	4	6	6	4	6	4	6	6
796	CHENPANDA	poor	3	4	3	4	4	4	4	4	3
740	CHIANGMAI	poor	4	5	4	4	4	4	4	4	4
539	CHIANGMAI	bad	6	-	6	6	-	6	5	6	6
385	CHONGQING	Good	2	4	2	-	4	2	3	2	2
493	CHONGQING	poor	4	4	4	4	4	6	4	6	4
548	CHONGQING	poor	6	5	6	4	5	6	4	6	6
632	GUILIN	poor	4	-	4	3	4	4	4	4	-
641	GUILIN	poor	4	-	4	4	4	4	4	4	4
434	KOBE PARK	Good	3	6	4	3	6	1	4	1	3
660	LOUGUANTA	very good	3	6	2	4	6	1	4	1	3
699	LOUGUANTA	very good	3	6	2	4	6	1	4	1	3
700	LOUGUANTA	very good	3	6	2	4	6	1	4	1	3
754	LOUGUANTA	very good	2	6	2	3	6	1	4	1	2
509	LOUGUANTA	Good	4	6	2	3	4	2	3	2	2
562	LOUGUANTA	Good	3	6	1	3	6	1	3	1	3
603	LOUGUANTA	Good	3	4	4	2	4	4	4	4	4
757	LOUGUANTA	Good	4	6	2	3	6	1	3	1	3
576	MADRID Z	Good	2	4	3	2	4	3	3	3	2
507	MEMPHIS	very good	4	6	2	3	6	1	4	1	2
360	MEXICOCTY	very good	3	6	2	3	6	1	4	1	2
643	NANJING	Good	-	4	2	2	4	2	3	3	2
651	NANJING	poor	4	4	3	4	4	4	4	4	3
473	NZP-WASH	Good	3	6	1	3	6	1	3	1	3
601	PANYU	Good	4	6	2	3	6	1	3	1	3
618	PANYU	poor	4	4	6	-	4	6	4	6	4
371	SANDIEGOZ	bad	6	-	6	6	-	6	-	6	6
712	SHANGHAI	Good	4	4	3	2	4	3	2	3	2
739	SHANGHAI	Good	-	6	2	3	6	2	3	2	2
704	SHANGHAI	poor	4	4	4	3	4	4	4	4	4
706	SHANGHAI	poor	3	4	4	4	4	4	4	4	3
734	SHANGHAI	poor	4	4	4	-	4	6	4	6	4
735	SHANGHAI	poor	4	4	4	-	4	6	4	6	4
587	TAIPEI	poor	4	5	4	-	5	6	4	6	4
514	VIENNA	poor	6	5	6	4	5	6	4	6	6
521	WAKAYAMA	poor	4	4	6	4	4	6	4	6	4
663	WAKAYAMA	poor	4	4	3	3	4	4	4	4	3
737	WAKAYAMA	poor	4	4	4	4	4	4	4	4	3
783	WAKAYAMA	poor	4	4	4	4	4	4	4	4	3
505	WOLONG	very good	3	6	2	4	6	1	4	1	3

ID	Location	Males	642	458	609	613	564	415	749	357	582
		MK	NANJING good	NZP-WASH poor	PANYU good	PANYU good	QIQIHAR poor	SANDIEGOZ very good	SANDIEGOZ poor	SHANGHAI very good	SHANGHAI good
581	WOLONG	very good	3	6	2	3	6	1	4	1	2
656	WOLONG	very good	3	6	2	3	6	1	4	1	2
701	WOLONG	very good	3	6	2	4	6	1	4	1	3
654	XIUNING	Good	4	6	2	4	6	1	3	1	2
672	XIUNING	poor	4	-	4	4	4	4	4	4	4
544	YAAN BC	very good	2	6	2	3	6	1	4	1	2
698	YAAN BC	very good	3	6	2	3	6	1	4	1	2
702	YAAN BC	very good	3	6	2	4	6	1	4	1	3
776	YAAN BC	very good	4	6	2	3	6	1	4	1	2
403	YAAN BC	Good	4	6	2	3	6	2	3	2	2
439	YAAN BC	Good	4	6	1	3	6	1	4	1	2
474	YAAN BC	Good	2	4	3	2	4	3	2	3	2
495	YAAN BC	Good	-	6	2	2	4	2	3	2	2
512	YAAN BC	Good	2	-	4	2	4	3	4	3	4
569	YAAN BC	Good	4	6	2	3	6	2	3	2	2
572	YAAN BC	Good	4	4	-	2	4	3	4	-	4
692	YAAN BC	Good	4	6	2	3	4	2	3	2	2
755	YAAN BC	Good	4	4	3	2	4	3	4	3	4
759	YAAN BC	Good	4	6	2	3	6	1	3	1	2
760	YAAN BC	Good	4	6	2	3	6	1	3	1	2
771	YAAN BC	Good	4	4	4	2	4	3	4	3	4
784	YAAN BC	Good	4	6	2	3	6	1	3	2	2
791	YAAN BC	Good	4	6	4	3	6	1	4	-	3
794	YAAN BC	Good	-	6	2	3	6	2	3	2	2
800	YAAN BC	Good	4	4	3	2	4	3	2	3	2
432	YAAN BC	poor	6	-	6	6	-	6	4	6	-
437	YAAN BC	poor	6	-	6	4	-	6	4	6	-
476	YAAN BC	poor	6	-	6	6	-	6	4	6	-
487	YAAN BC	poor	4	5	4	4	4	6	-	6	4
511	YAAN BC	poor	4	5	-	4	-	6	4	6	4
516	YAAN BC	poor	6	-	6	-	-	6	5	6	6
547	YAAN BC	poor	6	5	6	4	5	6	4	6	6
549	YAAN BC	poor	6	5	6	-	5	6	4	6	6
557	YAAN BC	poor	4	5	6	4	5	6	4	6	4
565	YAAN BC	poor	4	-	6	4	-	6	4	6	4
567	YAAN BC	poor	3	4	3	-	4	4	4	4	3
568	YAAN BC	poor	4	5	4	-	4	6	4	6	4
571	YAAN BC	poor	6	4	6	-	4	6	4	6	6
596	YAAN BC	poor	3	4	4	2	4	-	-	4	4
600	YAAN BC	poor	4	5	6	4	5	6	4	6	6
611	YAAN BC	poor	6	4	6	-	4	6	4	6	6
625	YAAN BC	poor	3	4	3	2	4	4	4	4	3
664	YAAN BC	poor	4	4	4	4	4	6	4	6	4

ID	Location	Males	642	458	609	613	564	415	749	357	582
		Females	NANJING good	NZP-WASH poor	PANYU good	PANYU good	QIQIHAR poor	SANDIEGOZ very good	SANDIEGOZ poor	SHANGHAI very good	SHANGHAI good
		MK									
673	YAAN BC	poor	4	-	4	4	4	4	4	4	4
682	YAAN BC	poor	6	4	6	4	4	6	4	6	6
694	YAAN BC	poor	3	4	4	2	4	-	-	4	4
741	YAAN BC	poor	4	4	4	4	4	4	4	4	4
751	YAAN BC	poor	4	5	6	4	5	6	4	6	4
766	YAAN BC	poor	4	5	6	4	5	6	4	6	4
774	YAAN BC	poor	4	-	4	4	4	6	4	6	4
781	YAAN BC	poor	4	4	4	4	4	6	4	6	4
477	YAAN BC	bad	6	5	6	6	5	6	5	6	6
631	YUNNAN W	poor	4	-	4	3	4	4	4	4	-
634	YUNNAN W	poor	4	4	-	4	6	4	4	4	4
650	YUNNAN W	poor	4	4	3	4	4	4	4	4	3

ID	Location	Males	492	583	586	705	707	708	721	588	589
		Female	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	TAIPEI poor
		MK									
610	ABERDE HK	poor	4	4	4	4	4	4	-	4	4
638	ADELAIDE	poor	4	4	4	4	-	-	6	4	4
678	ANJI BAMB	Good	4	6	3	3	6	6	4	4	4
452	ATLANTA	Good	4	6	3	3	6	6	4	4	4
652	BEIJING	Good	4	4	3	3	4	4	4	4	4
691	BEIJING	Good	6	6	4	4	6	6	4	6	6
566	BEIJING	poor	4	-	4	4	-	-	4	-	-
669	BEIJING	poor	4	4	4	4	4	4	4	-	-
765	CHENPANDA	very good	6	6	4	4	6	6	6	6	6
387	CHENPANDA	Good	4	6	3	3	6	6	4	4	4
401	CHENPANDA	Good	4	6	4	4	6	6	4	6	6
407	CHENPANDA	Good	4	6	3	3	4	4	4	4	4
425	CHENPANDA	Good	4	6	3	3	6	6	4	4	4
480	CHENPANDA	Good	4	-	3	3	-	-	4	-	-
522	CHENPANDA	Good	4	6	3	3	6	6	4	4	4
523	CHENPANDA	Good	4	6	3	3	4	4	4	4	4
561	CHENPANDA	Good	6	6	4	4	6	6	4	6	6
598	CHENPANDA	Good	4	4	3	3	4	4	4	4	4
637	CHENPANDA	Good	4	4	3	3	4	4	4	4	4
680	CHENPANDA	Good	4	6	3	3	6	6	4	4	4
681	CHENPANDA	Good	4	4	3	3	4	4	4	4	4
725	CHENPANDA	Good	4	6	4	3	6	6	4	6	6
761	CHENPANDA	Good	4	6	3	3	6	6	3	4	4
762	CHENPANDA	Good	4	6	3	3	6	6	3	4	4
362	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
453	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
490	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
491	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
494	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
537	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
554	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
555	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
570	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
593	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
635	CHENPANDA	poor	5	4	4	4	4	4	4	4	4
645	CHENPANDA	poor	5	4	4	4	4	4	4	4	4
665	CHENPANDA	poor	5	4	4	4	4	4	4	4	4
667	CHENPANDA	poor	5	5	4	4	6	6	4	5	5
671	CHENPANDA	poor	5	4	4	4	4	4	4	4	4
709	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
710	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
722	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
723	CHENPANDA	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	492	583	586	705	707	708	721	588	589
		Males MK	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	TAIPEI poor
763	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
764	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
779	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
796	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
740	CHIANGMAI	poor	4	4	4	4	4	4	4	4	4
539	CHIANGMAI	bad	-	6	5	4	5	5	5	4	4
385	CHONGQING	Good	4	-	3	3	-	-	4	-	-
493	CHONGQING	poor	4	4	4	4	4	4	4	4	4
548	CHONGQING	poor	5	5	4	4	4	4	4	4	4
632	GUILIN	poor	4	4	4	4	4	4	6	4	4
641	GUILIN	poor	4	4	4	4	4	4	-	4	4
434	KOBE PARK	Good	6	6	4	4	6	6	4	6	6
660	LOUGUANTA	very good	6	6	4	4	6	6	6	6	6
699	LOUGUANTA	very good	6	6	4	4	6	6	6	6	6
700	LOUGUANTA	very good	6	6	4	4	6	6	6	6	6
754	LOUGUANTA	very good	6	6	4	4	6	6	6	6	6
509	LOUGUANTA	Good	4	6	3	-	6	6	4	4	4
562	LOUGUANTA	Good	-	6	4	4	6	6	4	6	6
603	LOUGUANTA	Good	-	4	4	4	4	4	4	4	4
757	LOUGUANTA	Good	6	6	4	4	6	6	4	6	6
576	MADRID Z	Good	4	6	3	3	4	4	4	4	4
507	MEMPHIS	very good	6	6	4	4	6	6	4	6	6
360	MEXICOCTY	very good	6	6	4	4	6	6	6	6	6
643	NANJING	Good	4	6	3	4	6	6	4	4	4
651	NANJING	poor	4	4	4	4	4	4	4	4	4
473	NZP-WASH	Good	-	6	4	4	6	6	4	6	6
601	PANYU	Good	6	6	4	-	6	6	4	6	6
618	PANYU	poor	4	-	4	4	-	-	4	-	-
371	SANDIEGOZ	bad	-	5	-	5	5	5	5	-	-
712	SHANGHAI	Good	4	4	3	4	4	4	4	4	4
739	SHANGHAI	Good	4	6	3	4	6	6	4	4	4
704	SHANGHAI	poor	4	4	4	-	4	4	4	4	4
706	SHANGHAI	poor	4	5	4	4	4	4	4	4	4
734	SHANGHAI	poor	4	6	4	4	6	6	4	5	5
735	SHANGHAI	poor	4	6	4	4	6	6	4	5	5
587	TAIPEI	poor	4	4	4	4	6	6	4	4	4
514	VIENNA	poor	5	5	4	4	4	4	4	4	4
521	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
663	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
737	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
783	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
505	WOLONG	very good	6	6	4	4	6	6	6	6	6

ID	Location	Males	492	583	586	705	707	708	721	588	589
		MK	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	TAIPEI poor
581	WOLONG	very good	6	6	4	4	6	6	6	6	6
656	WOLONG	very good	6	6	4	4	6	6	6	6	6
701	WOLONG	very good	6	6	4	4	6	6	6	6	6
654	XIUNING	Good	6	6	4	4	6	6	4	6	6
672	XIUNING	poor	4	4	4	4	4	4	4	4	4
544	YAAN BC	very good	6	6	4	4	6	6	6	6	6
698	YAAN BC	very good	6	6	4	4	6	6	6	6	6
702	YAAN BC	very good	6	6	4	4	6	6	6	6	6
776	YAAN BC	very good	6	6	4	4	6	6	4	6	6
403	YAAN BC	Good	4	6	3	3	6	6	4	4	4
439	YAAN BC	Good	6	6	4	-	6	6	4	6	6
474	YAAN BC	Good	4	4	3	3	4	4	4	4	4
495	YAAN BC	Good	4	6	3	4	6	6	4	4	4
512	YAAN BC	Good	4	6	4	4	4	4	-	4	4
569	YAAN BC	Good	4	6	3	3	6	6	4	4	4
572	YAAN BC	Good	4	-	4	4	4	4	4	4	4
692	YAAN BC	Good	4	6	3	3	6	6	4	4	4
755	YAAN BC	Good	4	6	4	3	4	4	-	4	4
759	YAAN BC	Good	6	6	4	-	6	6	4	6	6
760	YAAN BC	Good	6	6	4	-	6	6	4	6	6
771	YAAN BC	Good	4	4	4	4	4	4	4	4	4
784	YAAN BC	Good	4	6	4	4	6	6	4	6	6
791	YAAN BC	Good	6	6	4	4	6	6	4	6	6
794	YAAN BC	Good	4	6	3	4	6	6	4	4	4
800	YAAN BC	Good	4	4	3	3	4	4	4	4	4
432	YAAN BC	poor	-	4	5	4	5	5	-	4	4
437	YAAN BC	poor	-	4	4	4	5	5	-	4	4
476	YAAN BC	poor	-	4	4	4	5	5	-	4	4
487	YAAN BC	poor	4	4	4	4	4	4	4	-	-
511	YAAN BC	poor	5	5	-	4	4	4	4	4	4
516	YAAN BC	poor	-	4	5	4	-	-	5	4	4
547	YAAN BC	poor	5	5	4	4	4	4	4	4	4
549	YAAN BC	poor	5	5	4	4	6	6	4	4	4
557	YAAN BC	poor	5	6	-	4	4	4	4	4	4
565	YAAN BC	poor	-	4	-	4	5	5	4	4	4
567	YAAN BC	poor	4	-	4	4	-	-	4	-	-
568	YAAN BC	poor	4	4	-	4	6	6	4	4	4
571	YAAN BC	poor	4	-	4	4	-	-	4	-	-
596	YAAN BC	poor	4	4	4	4	4	4	4	4	4
600	YAAN BC	poor	5	4	4	4	4	4	4	4	4
611	YAAN BC	poor	4	-	4	4	-	-	4	-	-
625	YAAN BC	poor	4	4	4	4	4	4	4	4	4
664	YAAN BC	poor	4	4	4	-	4	4	4	4	4

ID	Location	Males	492	583	586	705	707	708	721	588	589
		Females	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	SHANGHAI poor	TAIPEI poor
		MK									
673	YAAN BC	poor	4	4	4	4	4	4	4	4	4
682	YAAN BC	poor	4	-	4	4	5	5	4	5	5
694	YAAN BC	poor	4	4	4	4	4	4	4	4	4
741	YAAN BC	poor	4	5	4	4	5	5	4	-	-
751	YAAN BC	poor	5	4	-	4	4	4	4	4	4
766	YAAN BC	poor	5	6	4	4	6	6	4	5	5
774	YAAN BC	poor	4	4	4	4	4	4	-	4	4
781	YAAN BC	poor	4	-	4	4	5	5	-	4	4
477	YAAN BC	bad	5	-	5	5	4	4	4	4	4
631	YUNNAN W	poor	4	4	4	4	4	4	6	4	4
634	YUNNAN W	poor	4	6	6	4	5	5	4	4	4
650	YUNNAN W	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	526	789	390	738	782	713	715	633	636
		MK	VIENNA good	VIENNA poor	WAKAYAMA good	WAKAYAMA poor	WAKAYAMA poor	WEIFANG good	WEIFANG poor	WENLING S poor	WENLING S poor
610	ABERDE HK	poor	4	4	4	4	4	3	4	4	4
638	ADELAIDE	poor	4	4	4	4	4	4	4	4	4
678	ANJI BAMB	Good	2	3	3	4	4	2	3	4	4
452	ATLANTA	Good	2	3	3	4	4	2	3	4	4
652	BEIJING	Good	3	4	2	4	4	2	3	4	4
691	BEIJING	Good	1	4	-	4	4	3	4	4	6
566	BEIJING	poor	3	4	2	4	4	3	4	4	4
669	BEIJING	poor	4	4	4	4	4	4	4	4	4
765	CHENPANDA	very good	2	6	4	6	6	3	4	6	6
387	CHENPANDA	Good	2	3	3	4	4	2	4	4	4
401	CHENPANDA	Good	2	4	3	4	4	2	4	4	4
407	CHENPANDA	Good	3	3	2	4	4	2	3	3	4
425	CHENPANDA	Good	2	3	2	4	4	2	3	3	4
480	CHENPANDA	Good	3	4	2	4	4	3	2	4	4
522	CHENPANDA	Good	2	3	3	4	4	2	4	4	4
523	CHENPANDA	Good	3	3	2	4	4	2	4	4	4
561	CHENPANDA	Good	2	4	3	4	4	2	4	4	4
598	CHENPANDA	Good	3	4	2	4	4	3	4	4	4
637	CHENPANDA	Good	3	4	2	4	4	3	4	4	4
680	CHENPANDA	Good	2	4	3	4	4	2	4	4	4
681	CHENPANDA	Good	3	4	2	4	4	2	4	4	4
725	CHENPANDA	Good	2	4	3	4	4	4	4	4	4
761	CHENPANDA	Good	3	3	2	3	3	-	-	3	4
762	CHENPANDA	Good	3	3	2	3	3	-	-	3	4
362	CHENPANDA	poor	3	4	2	4	4	3	-	4	4
453	CHENPANDA	poor	4	4	4	4	4	4	6	4	4
490	CHENPANDA	poor	6	4	4	-	-	6	4	4	4
491	CHENPANDA	poor	6	4	4	-	-	4	4	4	4
494	CHENPANDA	poor	6	4	4	4	4	4	-	4	4
537	CHENPANDA	poor	4	4	4	4	4	4	6	4	4
554	CHENPANDA	poor	4	4	4	4	4	4	-	4	4
555	CHENPANDA	poor	4	4	4	4	4	4	-	4	4
570	CHENPANDA	poor	4	4	4	4	4	4	-	4	4
593	CHENPANDA	poor	6	4	4	6	6	4	4	4	4
635	CHENPANDA	poor	6	4	4	4	4	6	4	4	4
645	CHENPANDA	poor	6	4	4	4	4	6	4	4	4
665	CHENPANDA	poor	6	4	4	4	4	4	4	4	4
667	CHENPANDA	poor	6	4	6	4	4	6	4	4	4
671	CHENPANDA	poor	6	4	4	4	4	6	4	4	4
709	CHENPANDA	poor	4	4	4	4	4	-	-	4	4
710	CHENPANDA	poor	4	4	4	4	4	-	-	4	4
722	CHENPANDA	poor	6	4	4	5	5	6	6	4	4
723	CHENPANDA	poor	6	4	4	5	5	6	6	4	4

ID	Location	Males	526	789	390	738	782	713	715	633	636
		MK	VIENNA good	VIENNA poor	WAKAYAMA good	WAKAYAMA poor	WAKAYAMA poor	WEIFANG good	WEIFANG poor	WENLING S poor	WENLING S poor
763	CHENPANDA	poor	3	4	3	4	4	-	-	4	4
764	CHENPANDA	poor	3	4	3	4	4	-	-	4	4
779	CHENPANDA	poor	6	4	4	5	5	6	4	4	4
796	CHENPANDA	poor	4	4	4	4	4	4	6	4	4
740	CHIANGMAI	poor	-	4	4	4	4	4	4	4	4
539	CHIANGMAI	bad	-	6	6	4	4	6	4	4	6
385	CHONGQING	Good	2	3	2	3	3	2	3	4	4
493	CHONGQING	poor	6	4	4	4	4	4	-	4	4
548	CHONGQING	poor	6	-	4	4	4	6	4	5	5
632	GUILIN	poor	4	4	4	4	4	3	4	4	4
641	GUILIN	poor	4	4	4	4	4	3	4	4	4
434	KOBE PARK	Good	1	4	3	4	4	3	4	4	4
660	LOUGUANTA	very good	2	6	4	6	6	3	4	6	6
699	LOUGUANTA	very good	2	6	4	6	6	3	4	6	6
700	LOUGUANTA	very good	2	6	4	6	6	3	4	6	6
754	LOUGUANTA	very good	1	4	3	4	4	4	4	4	6
509	LOUGUANTA	Good	-	4	3	4	4	-	3	4	4
562	LOUGUANTA	Good	1	4	3	4	4	-	-	4	6
603	LOUGUANTA	Good	3	4	2	4	4	3	4	4	4
757	LOUGUANTA	Good	4	4	3	4	4	-	4	4	4
576	MADRID Z	Good	3	3	2	3	3	-	-	4	4
507	MEMPHIS	very good	1	4	4	4	4	2	4	4	6
360	MEXICOCTY	very good	2	4	3	6	6	2	4	6	6
643	NANJING	Good	-	4	4	4	4	4	3	4	4
651	NANJING	poor	3	4	4	4	4	3	4	4	4
473	NZP-WASH	Good	1	4	3	4	4	3	4	4	6
601	PANYU	Good	4	4	3	4	4	4	4	4	4
618	PANYU	poor	6	4	4	4	4	4	4	4	4
371	SANDIEGOZ	bad	6	5	6	4	4	6	4	5	5
712	SHANGHAI	Good	3	3	2	4	4	4	3	4	4
739	SHANGHAI	Good	-	4	3	4	4	4	3	4	4
704	SHANGHAI	poor	4	4	3	4	4	4	4	4	4
706	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
734	SHANGHAI	poor	6	4	4	4	4	4	4	4	4
735	SHANGHAI	poor	6	4	4	4	4	4	4	4	4
587	TAIPEI	poor	4	4	4	4	4	4	4	4	4
514	VIENNA	poor	6	-	4	4	4	6	4	5	5
521	WAKAYAMA	poor	6	4	4	-	-	4	4	4	4
663	WAKAYAMA	poor	3	4	-	-	-	3	4	4	4
737	WAKAYAMA	poor	4	4	-	-	-	3	4	4	4
783	WAKAYAMA	poor	4	4	-	-	-	3	4	4	4
505	WOLONG	very good	2	6	4	6	6	3	4	6	6

ID	Location	Males	526	789	390	738	782	713	715	633	636
		MK	VIENNA good	VIENNA poor	WAKAYAMA good	WAKAYAMA poor	WAKAYAMA poor	WEIFANG good	WEIFANG poor	WENLING S poor	WENLING S poor
581	WOLONG	very good	2	4	3	6	6	2	4	6	6
656	WOLONG	very good	2	4	4	6	6	3	4	6	6
701	WOLONG	very good	2	6	4	6	6	3	4	6	6
654	XIUNING	Good	2	4	4	4	4	3	4	4	4
672	XIUNING	poor	4	4	-	4	4	3	4	4	4
544	YAAN BC	very good	1	4	3	4	4	2	4	4	6
698	YAAN BC	very good	2	4	3	6	6	2	4	6	6
702	YAAN BC	very good	2	6	4	6	6	3	4	6	6
776	YAAN BC	very good	1	4	3	4	4	2	4	4	6
403	YAAN BC	Good	2	4	-	-	-	2	3	4	4
439	YAAN BC	Good	-	4	3	4	4	4	4	4	6
474	YAAN BC	Good	3	4	2	4	4	2	3	4	4
495	YAAN BC	Good	-	-	2	3	3	4	3	4	4
512	YAAN BC	Good	3	4	2	3	3	2	3	4	4
569	YAAN BC	Good	2	4	-	6	6	2	3	4	4
572	YAAN BC	Good	4	4	2	4	4	3	2	4	-
692	YAAN BC	Good	2	4	3	4	4	2	3	4	4
755	YAAN BC	Good	3	3	2	4	4	2	3	4	4
759	YAAN BC	Good	4	4	3	4	4	4	4	4	4
760	YAAN BC	Good	4	4	3	4	4	4	4	4	4
771	YAAN BC	Good	4	4	2	4	4	2	3	4	4
784	YAAN BC	Good	2	4	-	4	4	2	3	4	4
791	YAAN BC	Good	4	4	3	4	4	3	4	4	6
794	YAAN BC	Good	-	4	3	4	4	4	3	4	4
800	YAAN BC	Good	3	4	2	4	4	2	3	4	4
432	YAAN BC	poor	6	4	6	4	4	6	4	4	4
437	YAAN BC	poor	6	4	4	4	4	6	4	4	4
476	YAAN BC	poor	6	4	4	4	4	6	4	4	4
487	YAAN BC	poor	4	4	4	4	4	4	4	4	4
511	YAAN BC	poor	6	4	4	4	4	4	4	-	4
516	YAAN BC	poor	6	4	6	4	4	6	4	4	4
547	YAAN BC	poor	6	-	4	4	4	6	4	5	5
549	YAAN BC	poor	6	4	4	4	4	6	4	4	5
557	YAAN BC	poor	-	6	4	4	4	4	4	4	6
565	YAAN BC	poor	6	4	4	4	4	4	4	6	4
567	YAAN BC	poor	3	4	2	4	4	3	4	4	4
568	YAAN BC	poor	4	4	4	4	4	4	4	4	4
571	YAAN BC	poor	6	5	6	4	4	6	4	6	-
596	YAAN BC	poor	3	4	2	4	4	3	4	4	4
600	YAAN BC	poor	6	4	4	4	4	4	4	4	4
611	YAAN BC	poor	6	5	6	4	4	6	4	6	-
625	YAAN BC	poor	3	4	2	4	4	4	4	4	4
664	YAAN BC	poor	4	4	-	4	4	4	4	4	4

ID	Location	Males	526	789	390	738	782	713	715	633	636
		Females	VIENNA good	VIENNA poor	WAKAYAMA good	WAKAYAMA poor	WAKAYAMA poor	WEIFANG good	WEIFANG poor	WENLING S poor	WENLING S poor
		MK									
673	YAAN BC	poor	4	4	-	4	4	3	4	4	4
682	YAAN BC	poor	6	4	4	4	4	6	4	5	-
694	YAAN BC	poor	3	4	2	4	4	3	4	4	4
741	YAAN BC	poor	4	4	4	4	4	3	4	4	4
751	YAAN BC	poor	6	4	6	4	4	4	4	4	4
766	YAAN BC	poor	6	4	4	4	4	4	4	4	4
774	YAAN BC	poor	4	4	4	4	4	4	4	4	4
781	YAAN BC	poor	4	4	4	4	4	4	4	4	6
477	YAAN BC	bad	-	-	6	4	4	6	4	5	-
631	YUNNAN W	poor	4	4	4	4	4	3	4	4	4
634	YUNNAN W	poor	4	4	4	4	4	3	4	-	4
650	YUNNAN W	poor	3	4	4	4	4	3	4	4	4

ID	Location	Males	639	530	670	777	607	619	646	630	460
		Female	WENLING S poor	WENZHOU poor	WENZHOU poor	WOLONG very good	WUHAN poor	WUHAN poor	WUXI poor	WUXI bad	XINING bad
		MK									
610	ABERDE HK	poor	-	4	4	-	4	4	4	4	5
638	ADELAIDE	poor	-	4	4	-	-	4	4	4	5
678	ANJI BAMB	Good	4	4	6	2	3	4	-	6	6
452	ATLANTA	Good	4	4	6	2	3	4	-	6	6
652	BEIJING	Good	4	4	4	4	3	4	4	6	6
691	BEIJING	Good	4	6	6	1	4	6	6	6	6
566	BEIJING	poor	4	4	4	3	4	-	4	4	4
669	BEIJING	poor	4	4	4	6	4	-	4	4	6
765	CHENPANDA	very good	6	6	6	1	4	6	6	6	6
387	CHENPANDA	Good	4	-	6	2	3	4	6	6	6
401	CHENPANDA	Good	4	4	6	1	4	6	6	6	6
407	CHENPANDA	Good	4	4	6	2	3	4	4	6	6
425	CHENPANDA	Good	4	4	6	2	3	4	-	6	6
480	CHENPANDA	Good	4	4	4	3	4	-	4	4	4
522	CHENPANDA	Good	4	4	-	2	3	4	6	6	6
523	CHENPANDA	Good	4	4	-	3	3	4	4	6	6
561	CHENPANDA	Good	4	4	6	1	4	6	6	6	6
598	CHENPANDA	Good	4	-	4	3	4	4	4	6	4
637	CHENPANDA	Good	4	-	4	3	4	4	4	6	4
680	CHENPANDA	Good	4	4	6	1	4	4	6	6	6
681	CHENPANDA	Good	4	6	4	3	4	4	4	6	4
725	CHENPANDA	Good	4	4	-	1	4	6	6	6	6
761	CHENPANDA	Good	4	4	6	2	3	4	4	6	6
762	CHENPANDA	Good	4	4	6	2	3	4	4	6	6
362	CHENPANDA	poor	4	-	4	4	4	4	4	4	4
453	CHENPANDA	poor	4	-	4	6	4	4	4	5	4
490	CHENPANDA	poor	4	-	4	6	4	4	4	-	4
491	CHENPANDA	poor	4	-	4	6	4	4	4	-	4
494	CHENPANDA	poor	4	-	4	6	4	4	4	5	4
537	CHENPANDA	poor	4	-	4	4	4	4	4	5	4
554	CHENPANDA	poor	4	-	4	6	4	4	4	5	4
555	CHENPANDA	poor	4	-	4	6	4	4	4	5	4
570	CHENPANDA	poor	4	-	4	6	4	4	4	5	4
593	CHENPANDA	poor	4	-	4	6	4	4	4	6	4
635	CHENPANDA	poor	4	4	-	6	4	4	-	-	5
645	CHENPANDA	poor	4	4	-	6	4	4	-	-	5
665	CHENPANDA	poor	4	4	-	6	4	4	-	-	5
667	CHENPANDA	poor	4	4	-	6	4	5	-	-	5
671	CHENPANDA	poor	4	4	-	6	4	4	-	-	5
709	CHENPANDA	poor	4	4	4	4	4	4	4	5	4
710	CHENPANDA	poor	4	4	4	4	4	4	4	5	4
722	CHENPANDA	poor	4	5	5	6	4	4	5	-	5
723	CHENPANDA	poor	4	5	5	6	4	4	5	-	5

ID	Location	Males	639	530	670	777	607	619	646	630	460
		MK	WENLING S poor	WENZHOU poor	WENZHOU poor	WOLONG very good	WUHAN poor	WUHAN poor	WUXI poor	WUXI bad	XINING bad
763	CHENPANDA	poor	4	-	4	4	4	4	4	4	4
764	CHENPANDA	poor	4	6	4	4	4	4	4	4	4
779	CHENPANDA	poor	4	5	5	6	4	4	5	-	5
796	CHENPANDA	poor	4	-	4	4	4	4	4	4	4
740	CHIANGMAI	poor	4	4	5	4	4	4	5	5	5
539	CHIANGMAI	bad	5	4	5	6	5	4	5	5	-
385	CHONGQING	Good	4	4	6	2	3	-	6	6	6
493	CHONGQING	poor	4	-	4	6	4	4	4	5	4
548	CHONGQING	poor	4	4	4	6	4	4	4	5	-
632	GUILIN	poor	4	4	4	4	6	4	4	4	5
641	GUILIN	poor	6	4	4	4	4	4	4	4	5
434	KOBE PARK	Good	4	6	6	1	4	6	6	6	-
660	LOUGUANTA	very good	6	6	6	1	4	6	6	6	6
699	LOUGUANTA	very good	6	6	6	1	4	6	6	6	6
700	LOUGUANTA	very good	6	6	6	1	4	6	6	6	6
754	LOUGUANTA	very good	6	6	6	1	4	6	6	6	6
509	LOUGUANTA	Good	4	4	6	2	3	4	6	6	6
562	LOUGUANTA	Good	4	6	6	1	4	6	6	6	6
603	LOUGUANTA	Good	4	4	4	3	4	4	4	4	-
757	LOUGUANTA	Good	4	4	6	1	4	6	6	6	6
576	MADRID Z	Good	4	4	4	3	3	4	4	6	6
507	MEMPHIS	very good	6	6	6	1	-	6	6	6	6
360	MEXICOCTY	very good	6	6	6	1	4	6	6	6	6
643	NANJING	Good	4	4	6	4	4	4	6	6	6
651	NANJING	poor	4	4	4	4	4	4	4	4	4
473	NZP-WASH	Good	4	6	6	1	4	6	6	6	6
601	PANYU	Good	4	6	6	1	4	6	6	6	6
618	PANYU	poor	4	4	4	6	4	-	4	4	5
371	SANDIEGOZ	bad	5	4	5	6	5	-	5	5	-
712	SHANGHAI	Good	-	4	4	-	3	4	4	6	6
739	SHANGHAI	Good	4	4	6	1	4	4	6	6	6
704	SHANGHAI	poor	4	4	4	4	4	4	4	4	5
706	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
734	SHANGHAI	poor	4	4	4	6	4	5	4	4	5
735	SHANGHAI	poor	4	4	4	6	4	5	4	4	5
587	TAIPEI	poor	6	4	-	6	6	4	-	-	5
514	VIENNA	poor	4	4	4	6	4	4	4	5	-
521	WAKAYAMA	poor	4	-	4	6	4	4	4	-	4
663	WAKAYAMA	poor	4	4	4	4	4	4	4	5	4
737	WAKAYAMA	poor	4	4	4	4	4	4	4	5	4
783	WAKAYAMA	poor	4	4	4	4	4	4	4	5	4
505	WOLONG	very good	6	6	6	1	4	6	6	6	6

ID	Location	Males	639	530	670	777	607	619	646	630	460
		MK	WENLING S poor	WENZHOU poor	WENZHOU poor	WOLONG very good	WUHAN poor	WUHAN poor	WUXI poor	WUXI bad	XINING bad
581	WOLONG	very good	6	6	6	-	4	6	6	6	6
656	WOLONG	very good	6	6	6	1	4	6	6	6	6
701	WOLONG	very good	6	6	6	1	4	6	6	6	6
654	XIUNING	Good	4	4	6	1	4	6	6	6	6
672	XIUNING	poor	4	4	4	4	4	4	4	4	5
544	YAAN BC	very good	6	6	6	1	4	6	6	6	6
698	YAAN BC	very good	6	6	6	1	4	6	6	6	6
702	YAAN BC	very good	6	6	6	1	4	6	6	6	6
776	YAAN BC	very good	6	6	6	1	4	6	6	6	6
403	YAAN BC	Good	4	4	6	1	4	4	6	6	6
439	YAAN BC	Good	6	6	6	1	4	6	6	6	6
474	YAAN BC	Good	4	4	4	3	3	4	4	6	6
495	YAAN BC	Good	4	4	6	2	3	4	6	6	6
512	YAAN BC	Good	4	4	6	2	4	4	4	6	6
569	YAAN BC	Good	4	4	6	1	-	4	6	6	6
572	YAAN BC	Good	4	4	4	3	4	4	4	6	5
692	YAAN BC	Good	4	4	6	2	3	4	6	6	6
755	YAAN BC	Good	4	4	4	4	4	4	4	6	6
759	YAAN BC	Good	-	4	6	-	4	6	6	6	6
760	YAAN BC	Good	-	4	6	-	4	6	6	6	6
771	YAAN BC	Good	4	4	4	3	4	4	4	6	6
784	YAAN BC	Good	4	4	6	1	4	6	6	6	6
791	YAAN BC	Good	6	6	6	1	4	6	6	6	6
794	YAAN BC	Good	4	4	6	1	4	4	6	6	6
800	YAAN BC	Good	-	4	4	-	3	4	4	6	6
432	YAAN BC	poor	5	4	5	6	5	4	5	5	-
437	YAAN BC	poor	5	4	5	6	4	4	5	5	-
476	YAAN BC	poor	5	4	5	6	5	4	5	5	-
487	YAAN BC	poor	4	4	4	4	4	-	4	4	-
511	YAAN BC	poor	4	4	4	6	4	4	4	4	-
516	YAAN BC	poor	-	4	5	6	-	4	5	5	-
547	YAAN BC	poor	4	4	4	6	4	4	4	5	-
549	YAAN BC	poor	6	4	4	6	6	4	4	4	-
557	YAAN BC	poor	4	4	4	6	4	4	4	4	-
565	YAAN BC	poor	4	4	5	6	4	4	5	5	-
567	YAAN BC	poor	4	4	4	3	4	-	4	4	4
568	YAAN BC	poor	6	4	4	6	6	4	4	4	-
571	YAAN BC	poor	4	4	4	6	4	-	4	5	5
596	YAAN BC	poor	4	4	4	4	4	4	4	4	-
600	YAAN BC	poor	4	4	-	6	4	4	-	-	5
611	YAAN BC	poor	4	4	4	6	4	-	4	5	5
625	YAAN BC	poor	4	4	6	4	4	4	4	6	4
664	YAAN BC	poor	4	4	4	4	4	4	4	4	5

ID	Location	Males	639	530	670	777	607	619	646	630	460
		Females	WENLING S poor	WENZHOU poor	WENZHOU poor	WOLONG very good	WUHAN poor	WUHAN poor	WUXI poor	WUXI bad	XINING bad
		MK									
673	YAAN BC	poor	4	4	4	4	4	4	4	4	5
682	YAAN BC	poor	5	4	4	6	4	5	4	5	5
694	YAAN BC	poor	4	4	4	4	4	4	4	4	-
741	YAAN BC	poor	4	4	4	4	4	-	4	4	5
751	YAAN BC	poor	4	4	4	6	6	4	4	4	-
766	YAAN BC	poor	4	4	4	6	4	5	4	4	5
774	YAAN BC	poor	-	4	4	-	4	4	4	4	5
781	YAAN BC	poor	4	4	4	4	4	4	4	4	4
477	YAAN BC	bad	4	4	5	6	4	4	4	5	-
631	YUNNAN W	poor	4	4	4	4	6	4	4	4	5
634	YUNNAN W	poor	4	4	4	4	4	4	4	4	5
650	YUNNAN W	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	668	599	605	542	579	623	661	674	696
		MK	XIUNING poor	XIXIAKOU poor	XIXIAKOU bad	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good
610	ABERDE HK	poor	4	4	6	6	6	4	6	4	6
638	ADELAIDE	poor	4	4	5	6	6	6	6	6	6
678	ANJI BAMB	Good	4	4	6	3	3	2	3	2	3
452	ATLANTA	Good	4	6	6	3	2	2	3	2	3
652	BEIJING	Good	4	-	6	4	3	3	4	3	4
691	BEIJING	Good	6	6	6	1	1	1	1	1	1
566	BEIJING	poor	4	-	4	4	4	4	4	4	4
669	BEIJING	poor	-	4	5	6	6	6	6	6	6
765	CHENPANDA	very good	6	6	6	1	1	1	1	1	1
387	CHENPANDA	Good	4	6	6	3	2	2	3	2	3
401	CHENPANDA	Good	4	6	6	2	2	2	2	1	2
407	CHENPANDA	Good	4	4	6	3	3	3	3	2	3
425	CHENPANDA	Good	4	4	6	3	3	3	3	2	3
480	CHENPANDA	Good	4	4	6	4	4	4	4	3	4
522	CHENPANDA	Good	4	4	6	3	2	2	3	2	3
523	CHENPANDA	Good	4	4	6	3	3	3	3	3	3
561	CHENPANDA	Good	4	6	6	2	2	2	2	1	2
598	CHENPANDA	Good	4	4	6	4	4	3	4	3	4
637	CHENPANDA	Good	4	4	6	4	4	3	4	3	4
680	CHENPANDA	Good	4	6	6	2	2	2	2	2	2
681	CHENPANDA	Good	4	4	6	4	4	3	4	3	4
725	CHENPANDA	Good	4	6	6	2	2	2	2	1	2
761	CHENPANDA	Good	4	4	6	3	3	3	3	2	3
762	CHENPANDA	Good	4	4	6	3	3	3	3	2	3
362	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
453	CHENPANDA	poor	4	4	4	6	6	6	6	6	6
490	CHENPANDA	poor	4	4	5	6	6	6	6	6	6
491	CHENPANDA	poor	4	4	5	6	6	6	6	6	6
494	CHENPANDA	poor	4	4	4	6	6	6	6	6	6
537	CHENPANDA	poor	4	4	4	6	6	6	6	4	6
554	CHENPANDA	poor	4	4	4	6	6	6	6	6	6
555	CHENPANDA	poor	4	4	4	6	6	6	6	6	6
570	CHENPANDA	poor	4	4	4	6	6	6	6	6	6
593	CHENPANDA	poor	4	4	4	6	6	6	6	6	6
635	CHENPANDA	poor	4	-	-	6	6	6	6	6	6
645	CHENPANDA	poor	4	-	-	6	6	6	6	6	6
665	CHENPANDA	poor	4	-	-	6	6	6	6	6	6
667	CHENPANDA	poor	4	-	-	6	6	6	6	6	6
671	CHENPANDA	poor	4	-	-	6	6	6	6	6	6
709	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
710	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
722	CHENPANDA	poor	4	5	5	6	6	6	6	6	6
723	CHENPANDA	poor	4	5	5	6	6	6	6	6	6

ID	Location	Males	668	599	605	542	579	623	661	674	696
		MK	XIUNING poor	XIXIAKOU poor	XIXIAKOU bad	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good
763	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
764	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
779	CHENPANDA	poor	4	5	5	6	6	6	6	6	6
796	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
740	CHIANGMAI	poor	4	4	6	6	6	4	6	4	6
539	CHIANGMAI	bad	4	5	-	6	6	6	6	6	6
385	CHONGQING	Good	4	4	6	3	3	2	3	2	3
493	CHONGQING	poor	4	4	4	6	6	6	6	6	6
548	CHONGQING	poor	5	-	5	6	6	6	6	6	6
632	GUILIN	poor	4	4	6	4	4	4	4	4	4
641	GUILIN	poor	4	4	-	6	6	6	6	4	6
434	KOBE PARK	Good	6	6	6	1	1	1	1	1	1
660	LOUGUANTA	very good	6	6	6	1	1	1	1	1	1
699	LOUGUANTA	very good	6	6	6	1	1	1	1	1	1
700	LOUGUANTA	very good	6	6	6	1	1	1	1	1	1
754	LOUGUANTA	very good	6	6	6	1	1	1	1	1	1
509	LOUGUANTA	Good	4	6	6	2	2	2	2	2	2
562	LOUGUANTA	Good	6	6	6	1	1	1	1	1	1
603	LOUGUANTA	Good	4	4	5	4	4	4	4	3	4
757	LOUGUANTA	Good	6	6	6	1	1	1	1	1	1
576	MADRID Z	Good	4	4	6	3	3	3	3	3	3
507	MEMPHIS	very good	6	6	6	1	1	1	1	1	1
360	MEXICOCTY	very good	6	6	6	1	1	1	1	1	1
643	NANJING	Good	4	4	6	3	3	3	3	4	3
651	NANJING	poor	4	4	4	4	4	4	4	3	4
473	NZP-WASH	Good	6	6	6	1	1	1	1	1	1
601	PANYU	Good	6	6	6	1	1	1	1	-	1
618	PANYU	poor	-	4	4	6	6	6	6	6	6
371	SANDIEGOZ	bad	-	5	-	6	6	6	6	6	6
712	SHANGHAI	Good	6	4	6	4	3	3	4	3	4
739	SHANGHAI	Good	4	6	6	2	2	2	2	-	2
704	SHANGHAI	poor	4	4	5	4	4	4	4	4	4
706	SHANGHAI	poor	4	-	4	4	4	4	4	4	4
734	SHANGHAI	poor	4	4	4	6	6	6	6	6	6
735	SHANGHAI	poor	4	4	4	6	6	6	6	6	6
587	TAIPEI	poor	4	-	-	6	6	6	6	6	6
514	VIENNA	poor	5	-	5	6	6	6	6	6	6
521	WAKAYAMA	poor	4	4	5	6	6	6	6	6	6
663	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
737	WAKAYAMA	poor	4	4	4	6	4	4	6	4	6
783	WAKAYAMA	poor	4	4	4	6	4	4	6	4	6
505	WOLONG	very good	6	6	6	1	1	1	1	1	1

ID	Location	Males	668	599	605	542	579	623	661	674	696
		MK	XIUNING poor	XIXIAKOU poor	XIXIAKOU bad	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good
581	WOLONG	very good	6	6	6	1	1	1	1	1	1
656	WOLONG	very good	6	6	6	1	1	1	1	1	1
701	WOLONG	very good	6	6	6	1	1	1	1	1	1
654	XIUNING	Good	6	6	6	2	2	1	2	1	2
672	XIUNING	poor	4	4	6	6	6	6	6	4	6
544	YAAN BC	very good	6	6	6	1	1	1	1	-	1
698	YAAN BC	very good	6	6	6	1	1	1	1	1	1
702	YAAN BC	very good	6	6	6	1	1	1	1	1	1
776	YAAN BC	very good	6	6	6	1	1	1	1	-	1
403	YAAN BC	Good	4	6	6	2	2	2	2	2	2
439	YAAN BC	Good	6	6	6	1	1	1	1	1	1
474	YAAN BC	Good	4	-	6	3	3	3	3	3	3
495	YAAN BC	Good	4	4	6	3	3	2	3	2	3
512	YAAN BC	Good	4	4	-	3	3	3	3	2	3
569	YAAN BC	Good	4	6	6	2	2	2	2	1	2
572	YAAN BC	Good	4	4	6	4	4	4	4	3	4
692	YAAN BC	Good	4	6	6	3	2	2	3	-	3
755	YAAN BC	Good	4	4	6	3	3	3	3	4	3
759	YAAN BC	Good	6	6	6	2	2	1	2	1	2
760	YAAN BC	Good	6	6	6	2	2	1	2	1	2
771	YAAN BC	Good	4	4	6	4	3	-	4	4	4
784	YAAN BC	Good	4	6	6	2	2	2	2	-	2
791	YAAN BC	Good	6	6	6	1	-	1	1	1	1
794	YAAN BC	Good	4	6	6	2	2	2	2	-	2
800	YAAN BC	Good	4	4	6	4	3	3	4	3	4
432	YAAN BC	poor	4	5	-	6	6	6	6	6	6
437	YAAN BC	poor	4	5	-	6	6	6	6	6	6
476	YAAN BC	poor	4	5	-	6	6	6	6	6	6
487	YAAN BC	poor	-	4	5	6	6	6	6	4	6
511	YAAN BC	poor	5	4	5	6	6	6	6	6	6
516	YAAN BC	poor	4	5	-	6	6	6	6	6	6
547	YAAN BC	poor	5	-	5	6	6	6	6	6	6
549	YAAN BC	poor	5	4	5	6	6	6	6	6	6
557	YAAN BC	poor	4	4	5	6	6	6	6	6	6
565	YAAN BC	poor	4	5	-	6	6	6	6	6	6
567	YAAN BC	poor	4	-	4	4	4	4	4	4	4
568	YAAN BC	poor	4	4	5	6	6	6	6	6	6
571	YAAN BC	poor	4	4	5	6	6	6	6	6	6
596	YAAN BC	poor	4	4	5	4	4	4	4	4	4
600	YAAN BC	poor	4	-	-	6	6	6	6	6	6
611	YAAN BC	poor	4	4	5	6	6	6	6	6	6
625	YAAN BC	poor	4	4	5	4	4	4	4	4	4
664	YAAN BC	poor	4	4	5	6	6	6	6	4	6

ID	Location	Males	668	599	605	542	579	623	661	674	696
		Females	XIUNING poor	XIXIAKOU poor	XIXIAKOU bad	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good	YAAN BC very good
		MK									
673	YAAN BC	poor	4	4	6	6	6	6	6	4	6
682	YAAN BC	poor	5	4	5	6	6	6	6	6	6
694	YAAN BC	poor	4	4	5	4	4	4	4	4	4
741	YAAN BC	poor	-	4	4	4	4	4	4	4	4
751	YAAN BC	poor	4	4	5	6	6	6	6	6	6
766	YAAN BC	poor	4	6	5	6	6	6	6	6	6
774	YAAN BC	poor	4	4	-	6	6	6	6	4	6
781	YAAN BC	poor	4	4	4	6	6	6	6	6	6
477	YAAN BC	bad	5	4	5	6	6	6	6	6	6
631	YUNNAN W	poor	4	4	6	4	4	4	4	4	4
634	YUNNAN W	poor	4	4	4	6	4	4	6	4	6
650	YUNNAN W	poor	4	4	4	4	4	4	4	3	4

ID	Location	Males	743	775	488	502	503	690	714	719	747
		MK	YAAN BC very good	YAAN BC very good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good
610	ABERDE HK	poor	4	4	4	4	-	4	-	4	-
638	ADELAIDE	poor	6	6	4	4	-	4	-	4	-
678	ANJI BAMB	Good	2	2	2	3	2	2	2	2	4
452	ATLANTA	Good	2	2	2	2	2	2	2	2	4
652	BEIJING	Good	3	3	2	3	-	3	4	4	-
691	BEIJING	Good	1	1	-	1	3	2	3	1	3
566	BEIJING	poor	4	4	3	3	3	3	3	-	4
669	BEIJING	poor	6	6	4	6	-	4	6	4	4
765	CHENPANDA	very good	1	1	3	1	3	2	3	2	3
387	CHENPANDA	Good	2	2	2	3	2	2	2	2	2
401	CHENPANDA	Good	1	1	3	1	3	2	3	2	3
407	CHENPANDA	Good	2	2	2	3	2	2	2	3	4
425	CHENPANDA	Good	2	2	2	3	2	2	2	2	4
480	CHENPANDA	Good	3	3	2	3	3	3	2	-	2
522	CHENPANDA	Good	2	2	2	3	2	2	2	2	2
523	CHENPANDA	Good	3	3	2	3	2	2	2	3	2
561	CHENPANDA	Good	1	1	3	1	3	2	3	2	3
598	CHENPANDA	Good	3	3	2	3	2	3	2	3	2
637	CHENPANDA	Good	3	3	2	3	2	3	2	3	2
680	CHENPANDA	Good	1	2	2	2	2	2	2	2	3
681	CHENPANDA	Good	3	3	2	3	2	3	2	3	2
725	CHENPANDA	Good	1	1	3	2	2	2	3	2	3
761	CHENPANDA	Good	2	2	2	3	2	2	2	3	2
762	CHENPANDA	Good	2	2	2	3	2	2	2	3	2
362	CHENPANDA	poor	4	4	3	4	3	3	3	3	3
453	CHENPANDA	poor	6	6	4	6	4	4	4	4	4
490	CHENPANDA	poor	6	6	4	6	4	6	4	6	4
491	CHENPANDA	poor	6	6	4	6	4	6	4	6	4
494	CHENPANDA	poor	6	6	4	6	4	4	4	4	4
537	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
554	CHENPANDA	poor	6	6	4	4	4	4	4	4	4
555	CHENPANDA	poor	6	6	4	4	4	4	4	4	4
570	CHENPANDA	poor	6	6	4	6	4	4	4	4	4
593	CHENPANDA	poor	6	6	4	6	4	4	4	4	4
635	CHENPANDA	poor	6	6	4	6	6	6	4	6	4
645	CHENPANDA	poor	6	6	6	6	6	6	6	6	6
665	CHENPANDA	poor	6	6	4	6	4	6	4	6	4
667	CHENPANDA	poor	6	6	6	6	6	6	6	6	6
671	CHENPANDA	poor	6	6	6	6	6	6	6	6	6
709	CHENPANDA	poor	4	4	3	4	3	3	3	4	4
710	CHENPANDA	poor	4	4	3	4	3	3	3	4	4
722	CHENPANDA	poor	6	6	6	6	6	6	6	6	6
723	CHENPANDA	poor	6	6	6	6	6	6	6	6	6

ID	Location	Males	743	775	488	502	503	690	714	719	747
		MK	YAAN BC very good	YAAN BC very good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good
763	CHENPANDA	poor	4	4	3	4	3	3	3	3	3
764	CHENPANDA	poor	4	4	3	4	3	3	3	3	3
779	CHENPANDA	poor	6	6	6	6	6	6	6	6	6
796	CHENPANDA	poor	4	4	4	4	3	3	3	4	3
740	CHIANGMAI	poor	4	4	4	4	3	4	4	4	4
539	CHIANGMAI	bad	6	6	6	6	6	6	6	6	6
385	CHONGQING	Good	2	2	2	3	2	2	2	-	2
493	CHONGQING	poor	6	6	4	6	4	4	4	4	4
548	CHONGQING	poor	6	6	4	6	6	6	4	6	4
632	GUILIN	poor	4	4	4	-	3	4	3	4	3
641	GUILIN	poor	4	4	4	-	-	4	4	4	4
434	KOBE PARK	Good	1	1	3	1	3	2	3	1	3
660	LOUGUANTA	very good	1	1	3	1	3	2	3	2	3
699	LOUGUANTA	very good	1	1	3	1	3	2	3	2	3
700	LOUGUANTA	very good	1	1	3	1	3	2	3	2	3
754	LOUGUANTA	very good	1	1	3	1	2	2	3	2	3
509	LOUGUANTA	Good	-	2	2	2	2	4	-	2	2
562	LOUGUANTA	Good	1	1	3	1	3	1	3	1	3
603	LOUGUANTA	Good	3	3	2	3	3	3	2	3	2
757	LOUGUANTA	Good	4	1	3	1	3	4	4	2	3
576	MADRID Z	Good	3	3	2	3	2	2	2	3	2
507	MEMPHIS	very good	1	1	4	1	2	2	2	1	3
360	MEXICOCTY	very good	1	1	3	1	3	2	3	2	3
643	NANJING	Good	2	4	4	4	4	-	4	2	4
651	NANJING	poor	3	3	4	3	4	3	4	4	-
473	NZP-WASH	Good	1	1	3	1	3	1	3	1	4
601	PANYU	Good	1	-	3	-	3	-	3	1	3
618	PANYU	poor	6	6	4	6	4	4	4	-	4
371	SANDIEGOZ	bad	6	6	6	6	6	6	6	6	6
712	SHANGHAI	Good	-	3	2	3	-	3	-	3	-
739	SHANGHAI	Good	1	-	3	-	2	-	2	2	3
704	SHANGHAI	poor	4	4	3	4	3	4	4	3	3
706	SHANGHAI	poor	4	4	3	4	3	3	4	4	4
734	SHANGHAI	poor	6	6	-	6	4	4	4	6	4
735	SHANGHAI	poor	6	6	-	6	4	4	4	6	4
587	TAIPEI	poor	6	6	4	6	4	4	4	4	4
514	VIENNA	poor	6	6	6	6	6	6	6	6	4
521	WAKAYAMA	poor	6	6	4	6	4	6	4	6	4
663	WAKAYAMA	poor	4	4	-	4	3	3	3	3	4
737	WAKAYAMA	poor	4	4	-	4	3	4	4	4	4
783	WAKAYAMA	poor	4	4	-	4	3	4	4	4	4
505	WOLONG	very good	1	1	3	1	3	2	3	2	3

ID	Location	Males	743	775	488	502	503	690	714	719	747
		MK	YAAN BC very good	YAAN BC very good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good
581	WOLONG	very good	1	1	3	1	3	2	3	-	3
656	WOLONG	very good	1	1	3	1	3	2	3	2	3
701	WOLONG	very good	1	1	3	1	3	2	3	2	3
654	XIUNING	Good	4	1	4	1	3	2	4	4	3
672	XIUNING	poor	4	4	-	4	4	4	4	4	4
544	YAAN BC	very good	1	1	3	1	2	2	3	2	3
698	YAAN BC	very good	1	-	3	1	3	2	3	2	3
702	YAAN BC	very good	1	1	3	1	3	2	3	2	3
776	YAAN BC	very good	1	-	3	-	2	-	3	1	3
403	YAAN BC	Good	2	2	-	2	2	2	2	2	2
439	YAAN BC	Good	1	1	3	1	2	4	3	1	3
474	YAAN BC	Good	3	3	2	3	2	3	2	3	-
495	YAAN BC	Good	2	2	2	3	2	-	2	2	2
512	YAAN BC	Good	2	3	2	3	2	2	2	3	2
569	YAAN BC	Good	1	1	-	2	2	2	3	2	3
572	YAAN BC	Good	3	3	2	3	2	4	2	3	2
692	YAAN BC	Good	2	-	2	-	2	-	2	2	-
755	YAAN BC	Good	3	4	2	-	-	4	4	3	4
759	YAAN BC	Good	1	1	3	1	-	4	-	2	-
760	YAAN BC	Good	1	1	3	1	-	4	-	2	-
771	YAAN BC	Good	3	4	2	-	2	6	2	3	2
784	YAAN BC	Good	1	-	-	-	2	-	3	2	3
791	YAAN BC	Good	1	1	3	1	3	4	3	1	3
794	YAAN BC	Good	1	-	3	-	2	-	2	2	3
800	YAAN BC	Good	3	3	2	3	-	3	-	3	-
432	YAAN BC	poor	6	6	6	6	6	6	6	6	6
437	YAAN BC	poor	6	6	4	6	6	6	6	6	4
476	YAAN BC	poor	6	6	6	6	6	6	6	6	6
487	YAAN BC	poor	4	6	4	4	4	4	4	4	4
511	YAAN BC	poor	6	6	4	6	4	4	4	6	4
516	YAAN BC	poor	6	6	6	6	6	6	6	6	6
547	YAAN BC	poor	6	6	4	6	6	6	6	6	4
549	YAAN BC	poor	6	6	4	6	4	6	4	6	4
557	YAAN BC	poor	6	6	4	6	4	6	4	6	4
565	YAAN BC	poor	6	6	4	6	4	6	4	6	4
567	YAAN BC	poor	3	4	3	3	3	3	3	-	4
568	YAAN BC	poor	6	6	4	4	4	4	4	4	4
571	YAAN BC	poor	6	6	6	6	6	6	6	-	6
596	YAAN BC	poor	4	4	3	3	3	3	3	3	3
600	YAAN BC	poor	6	6	4	6	4	6	4	6	4
611	YAAN BC	poor	6	6	6	6	6	6	6	-	6
625	YAAN BC	poor	-	4	3	3	3	3	-	3	3
664	YAAN BC	poor	4	4	-	4	4	4	4	4	4

ID	Location	Males	743	775	488	502	503	690	714	719	747
		MK	YAAN BC very good	YAAN BC very good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good
673	YAAN BC	poor	4	4	-	4	4	4	4	4	4
682	YAAN BC	poor	6	6	4	6	-	6	4	6	4
694	YAAN BC	poor	4	4	3	3	3	3	3	3	3
741	YAAN BC	poor	4	4	3	-	3	4	3	4	4
751	YAAN BC	poor	6	6	6	6	4	6	4	6	4
766	YAAN BC	poor	6	6	4	6	4	6	4	6	4
774	YAAN BC	poor	4	4	4	4	-	4	-	4	-
781	YAAN BC	poor	4	6	4	-	-	4	4	4	4
477	YAAN BC	bad	6	6	6	6	6	6	6	6	6
631	YUNNAN W	poor	4	4	4	-	3	4	3	4	3
634	YUNNAN W	poor	4	4	4	4	3	4	4	4	4
650	YUNNAN W	poor	3	3	4	3	4	3	4	4	-

ID	Location	Males	748	752	756	758	772	798	413	424	563
		Female	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC poor	YAAN BC poor	YAAN BC poor
		MK									
610	ABERDE HK	poor	4	4	4	-	4	4	4	4	4
638	ADELAIDE	poor	4	4	4	-	4	4	4	4	4
678	ANJI BAMB	Good	3	2	2	2	2	3	4	4	3
452	ATLANTA	Good	1	2	2	2	2	2	4	4	3
652	BEIJING	Good	3	3	-	4	2	3	4	-	2
691	BEIJING	Good	-	-	3	3	3	1	6	6	4
566	BEIJING	poor	3	3	-	3	2	3	4	-	4
669	BEIJING	poor	6	6	4	4	4	-	4	4	4
765	CHENPANDA	very good	1	1	3	3	3	2	6	6	4
387	CHENPANDA	Good	2	2	2	2	2	2	4	4	3
401	CHENPANDA	Good	1	1	3	3	3	2	4	6	3
407	CHENPANDA	Good	3	2	2	2	2	3	4	4	3
425	CHENPANDA	Good	3	2	2	2	2	3	4	4	3
480	CHENPANDA	Good	3	3	2	2	2	3	4	-	2
522	CHENPANDA	Good	2	2	2	2	2	3	4	4	3
523	CHENPANDA	Good	3	3	2	2	2	3	4	4	3
561	CHENPANDA	Good	1	1	3	3	3	2	4	6	3
598	CHENPANDA	Good	3	3	2	2	2	3	4	4	2
637	CHENPANDA	Good	3	3	2	2	2	3	4	4	2
680	CHENPANDA	Good	1	1	2	2	3	2	4	4	3
681	CHENPANDA	Good	3	3	2	2	2	3	4	4	2
725	CHENPANDA	Good	1	1	2	3	3	2	4	6	3
761	CHENPANDA	Good	3	2	2	2	2	3	4	4	3
762	CHENPANDA	Good	3	2	2	2	2	3	4	4	3
362	CHENPANDA	poor	4	4	3	3	3	4	4	4	4
453	CHENPANDA	poor	6	6	4	4	4	6	4	4	4
490	CHENPANDA	poor	6	6	4	4	4	6	4	4	4
491	CHENPANDA	poor	6	6	4	4	4	6	4	4	4
494	CHENPANDA	poor	6	6	4	4	4	6	4	4	4
537	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
554	CHENPANDA	poor	6	6	4	4	4	4	4	4	4
555	CHENPANDA	poor	6	6	4	4	4	4	4	4	4
570	CHENPANDA	poor	6	6	4	4	4	4	4	4	4
593	CHENPANDA	poor	6	6	4	4	4	6	4	4	4
635	CHENPANDA	poor	6	6	4	4	4	6	5	4	4
645	CHENPANDA	poor	6	6	6	6	4	6	5	4	4
665	CHENPANDA	poor	6	6	4	4	4	6	5	4	4
667	CHENPANDA	poor	6	6	6	6	6	6	5	-	4
671	CHENPANDA	poor	6	6	6	6	6	6	5	4	4
709	CHENPANDA	poor	4	4	3	3	3	4	4	4	4
710	CHENPANDA	poor	4	4	3	3	3	4	4	4	4
722	CHENPANDA	poor	6	6	6	6	6	6	4	4	4
723	CHENPANDA	poor	6	6	6	6	6	6	4	4	4

ID	Location	Males	748	752	756	758	772	798	413	424	563
		Female	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC poor	YAAN BC poor	YAAN BC poor
		MK									
763	CHENPANDA	poor	4	4	3	3	3	4	4	4	4
764	CHENPANDA	poor	4	4	3	3	3	4	4	4	4
779	CHENPANDA	poor	6	6	6	6	6	6	4	4	4
796	CHENPANDA	poor	4	4	3	3	3	4	4	4	4
740	CHIANGMAI	poor	4	4	4	4	4	4	4	4	4
539	CHIANGMAI	bad	6	6	6	6	6	6	-	4	5
385	CHONGQING	Good	3	2	2	2	2	3	4	-	3
493	CHONGQING	poor	6	6	4	4	4	6	4	4	4
548	CHONGQING	poor	6	6	-	4	4	6	5	4	4
632	GUILIN	poor	4	4	3	3	4	4	4	4	4
641	GUILIN	poor	4	4	4	4	4	4	4	4	4
434	KOBE PARK	Good	1	1	4	3	4	4	6	6	4
660	LOUGUANTA	very good	1	1	3	3	3	2	6	6	4
699	LOUGUANTA	very good	1	1	3	3	3	2	6	6	4
700	LOUGUANTA	very good	1	1	3	3	3	2	6	6	4
754	LOUGUANTA	very good	1	1	2	3	3	1	6	6	4
509	LOUGUANTA	Good	1	1	2	4	3	2	4	4	3
562	LOUGUANTA	Good	1	1	3	3	3	1	6	6	4
603	LOUGUANTA	Good	3	3	4	2	4	4	4	4	4
757	LOUGUANTA	Good	1	1	3	4	3	2	6	6	3
576	MADRID Z	Good	3	3	2	2	2	3	4	4	3
507	MEMPHIS	very good	4	4	2	2	3	1	6	6	4
360	MEXICOCTY	very good	1	1	3	3	3	1	6	6	4
643	NANJING	Good	4	4	4	-	4	3	4	4	3
651	NANJING	poor	3	3	4	4	2	3	4	-	4
473	NZP-WASH	Good	1	1	3	3	3	1	6	6	4
601	PANYU	Good	1	1	3	4	4	1	6	6	4
618	PANYU	poor	6	6	4	4	4	-	4	-	4
371	SANDIEGOZ	bad	6	6	6	6	6	-	-	5	-
712	SHANGHAI	Good	3	3	4	-	2	3	4	4	3
739	SHANGHAI	Good	1	1	2	-	6	2	4	6	3
704	SHANGHAI	poor	4	4	3	4	4	4	6	4	4
706	SHANGHAI	poor	4	4	-	3	3	4	4	-	4
734	SHANGHAI	poor	6	6	4	4	4	6	4	-	4
735	SHANGHAI	poor	6	6	4	4	4	6	4	-	4
587	TAIPEI	poor	6	6	4	4	4	6	4	4	4
514	VIENNA	poor	6	6	-	6	4	6	5	4	4
521	WAKAYAMA	poor	6	6	4	4	4	6	4	4	4
663	WAKAYAMA	poor	4	4	3	3	3	3	4	4	4
737	WAKAYAMA	poor	4	4	3	4	4	4	4	4	4
783	WAKAYAMA	poor	4	4	3	4	4	4	4	4	4
505	WOLONG	very good	1	1	3	3	3	2	6	6	4

ID	Location	Males	748	752	756	758	772	798	413	424	563
		Female	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC poor	YAAN BC poor	YAAN BC poor
581	WOLONG	very good	1	1	3	3	3	1	6	6	4
656	WOLONG	very good	1	-	3	3	3	1	6	6	4
701	WOLONG	very good	1	1	3	3	3	2	6	6	4
654	XIUNING	Good	2	2	3	3	3	2	4	-	3
672	XIUNING	poor	-	-	4	4	4	4	4	4	4
544	YAAN BC	very good	-	1	3	3	3	1	6	6	4
698	YAAN BC	very good	1	1	3	3	3	1	6	6	4
702	YAAN BC	very good	1	1	3	3	3	2	6	6	4
776	YAAN BC	very good	1	1	2	2	4	1	6	6	4
403	YAAN BC	Good	-	-	2	2	3	2	4	4	3
439	YAAN BC	Good	1	1	3	4	3	1	-	6	4
474	YAAN BC	Good	3	3	-	2	2	3	4	4	3
495	YAAN BC	Good	3	2	2	-	4	3	4	4	3
512	YAAN BC	Good	3	3	2	2	4	4	4	4	4
569	YAAN BC	Good	6	6	2	2	3	2	4	6	3
572	YAAN BC	Good	3	3	2	4	4	4	4	4	4
692	YAAN BC	Good	2	2	4	2	4	2	4	4	3
755	YAAN BC	Good	3	3	4	4	4	3	4	4	4
759	YAAN BC	Good	1	1	4	-	3	2	6	6	3
760	YAAN BC	Good	1	1	4	-	3	2	6	6	3
771	YAAN BC	Good	3	3	2	4	-	4	4	4	4
784	YAAN BC	Good	4	4	3	3	4	2	4	6	3
791	YAAN BC	Good	1	1	3	4	4	2	6	6	4
794	YAAN BC	Good	1	1	2	-	6	2	4	6	3
800	YAAN BC	Good	3	3	-	-	2	3	4	4	3
432	YAAN BC	poor	6	6	6	6	6	6	-	4	4
437	YAAN BC	poor	6	6	6	6	4	6	-	4	4
476	YAAN BC	poor	6	6	6	6	6	6	-	4	4
487	YAAN BC	poor	4	4	4	4	4	-	4	4	-
511	YAAN BC	poor	6	6	4	4	4	6	5	4	4
516	YAAN BC	poor	6	6	6	6	6	6	-	4	5
547	YAAN BC	poor	6	6	-	6	4	6	5	4	4
549	YAAN BC	poor	6	6	4	4	4	6	5	4	4
557	YAAN BC	poor	6	6	4	4	-	6	5	4	4
565	YAAN BC	poor	6	6	4	4	4	6	-	4	4
567	YAAN BC	poor	3	3	-	3	2	3	4	-	4
568	YAAN BC	poor	4	4	4	4	4	4	4	4	4
571	YAAN BC	poor	6	6	6	6	6	6	4	-	4
596	YAAN BC	poor	3	4	4	3	4	4	4	4	-
600	YAAN BC	poor	6	6	-	4	4	6	5	4	4
611	YAAN BC	poor	6	6	6	6	6	6	4	-	4
625	YAAN BC	poor	3	3	3	3	2	3	4	4	4
664	YAAN BC	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	748	752	756	758	772	798	413	424	563
		Females	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC good	YAAN BC poor	YAAN BC poor
		MK									
673	YAAN BC	poor	-	-	4	4	4	4	4	4	4
682	YAAN BC	poor	6	6	6	6	4	6	4	-	4
694	YAAN BC	poor	3	4	4	3	4	4	4	4	-
741	YAAN BC	poor	4	4	4	3	4	-	4	-	4
751	YAAN BC	poor	6	6	4	4	4	6	5	4	4
766	YAAN BC	poor	6	6	4	4	4	6	5	-	4
774	YAAN BC	poor	4	4	4	-	4	4	4	4	4
781	YAAN BC	poor	4	4	4	4	4	4	4	-	4
477	YAAN BC	bad	6	6	6	6	6	6	5	4	5
631	YUNNAN W	poor	4	4	3	3	4	4	4	4	4
634	YUNNAN W	poor	4	4	4	4	4	4	4	-	4
650	YUNNAN W	poor	3	3	4	4	2	3	4	-	4

ID	Location	Males	595	612	685	742	744	745	746	750	768
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor
610	ABERDE HK	poor	4	4	4	4	-	-	-	4	4
638	ADELAIDE	poor	4	4	4	4	-	-	-	4	4
678	ANJI BAMB	Good	4	6	3	3	3	3	3	4	4
452	ATLANTA	Good	4	6	3	4	3	3	3	4	6
652	BEIJING	Good	2	4	4	4	4	4	4	4	4
691	BEIJING	Good	3	6	4	4	4	4	4	6	6
566	BEIJING	poor	4	-	4	4	4	4	4	4	-
669	BEIJING	poor	4	4	4	4	6	4	4	4	4
765	CHENPANDA	very good	4	6	6	6	4	4	4	6	6
387	CHENPANDA	Good	3	6	3	4	3	3	3	4	6
401	CHENPANDA	Good	3	6	4	4	4	3	3	6	6
407	CHENPANDA	Good	4	6	3	3	3	3	3	4	4
425	CHENPANDA	Good	4	6	3	3	3	3	3	4	4
480	CHENPANDA	Good	2	-	4	4	4	2	2	4	-
522	CHENPANDA	Good	3	6	3	3	3	3	3	4	6
523	CHENPANDA	Good	2	6	3	3	3	3	3	4	4
561	CHENPANDA	Good	3	6	4	4	4	3	3	6	6
598	CHENPANDA	Good	2	4	4	4	4	2	2	4	4
637	CHENPANDA	Good	2	4	4	4	4	2	2	4	4
680	CHENPANDA	Good	3	6	4	4	3	3	3	6	6
681	CHENPANDA	Good	2	4	4	4	3	3	3	4	4
725	CHENPANDA	Good	3	6	4	4	4	3	3	6	6
761	CHENPANDA	Good	3	6	3	3	3	3	3	4	4
762	CHENPANDA	Good	3	6	3	3	3	3	3	4	4
362	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
453	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
490	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
491	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
494	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
537	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
554	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
555	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
570	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
593	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
635	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
645	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
665	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
667	CHENPANDA	poor	4	5	4	4	4	4	4	4	5
671	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
709	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
710	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
722	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
723	CHENPANDA	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	595	612	685	742	744	745	746	750	768
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor
763	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
764	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
779	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
796	CHENPANDA	poor	4	4	4	4	4	4	4	4	4
740	CHIANGMAI	poor	4	4	4	4	4	4	4	4	4
539	CHIANGMAI	bad	5	6	6	6	4	4	4	5	4
385	CHONGQING	Good	3	-	3	3	3	3	3	4	-
493	CHONGQING	poor	4	4	4	4	4	4	4	4	4
548	CHONGQING	poor	4	5	-	5	4	4	4	5	5
632	GUILIN	poor	4	4	4	4	4	4	4	4	4
641	GUILIN	poor	4	4	4	4	4	4	4	4	4
434	KOBE PARK	Good	3	6	4	4	4	4	4	6	6
660	LOUGUANTA	very good	4	6	6	6	4	4	4	6	6
699	LOUGUANTA	very good	4	6	6	6	4	4	4	6	6
700	LOUGUANTA	very good	4	6	6	6	4	4	4	6	6
754	LOUGUANTA	very good	4	6	4	4	4	4	4	6	6
509	LOUGUANTA	Good	3	6	4	4	3	3	3	6	6
562	LOUGUANTA	Good	4	6	4	4	4	4	4	6	6
603	LOUGUANTA	Good	6	4	4	4	4	4	4	4	4
757	LOUGUANTA	Good	3	6	4	4	4	4	4	6	6
576	MADRID Z	Good	3	6	3	3	3	3	3	4	4
507	MEMPHIS	very good	4	6	4	4	4	4	4	6	6
360	MEXICOCTY	very good	4	6	4	4	4	4	4	6	6
643	NANJING	Good	3	6	4	4	4	4	4	4	4
651	NANJING	poor	4	4	4	4	4	4	4	4	4
473	NZP-WASH	Good	-	6	4	4	4	4	4	6	6
601	PANYU	Good	3	6	4	-	4	4	4	6	6
618	PANYU	poor	4	-	4	4	4	4	4	4	-
371	SANDIEGOZ	bad	5	5	5	5	5	5	5	-	5
712	SHANGHAI	Good	2	4	3	4	-	-	-	4	4
739	SHANGHAI	Good	3	6	4	-	4	3	3	6	6
704	SHANGHAI	poor	4	4	4	4	4	4	4	4	4
706	SHANGHAI	poor	4	5	4	4	4	4	4	4	4
734	SHANGHAI	poor	4	6	4	4	4	4	4	5	-
735	SHANGHAI	poor	4	6	4	4	4	4	4	5	-
587	TAIPEI	poor	4	4	4	4	4	4	4	4	5
514	VIENNA	poor	4	5	-	5	4	4	4	5	5
521	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
663	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
737	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
783	WAKAYAMA	poor	4	4	4	4	4	4	4	4	4
505	WOLONG	very good	4	6	6	6	4	4	4	6	6

ID	Location	Males	595	612	685	742	744	745	746	750	768
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor
581	WOLONG	very good	4	6	4	4	4	4	4	6	6
656	WOLONG	very good	4	6	4	6	4	4	4	6	6
701	WOLONG	very good	4	6	6	6	4	4	4	6	6
654	XIUNING	Good	3	6	4	4	4	3	3	6	6
672	XIUNING	poor	4	4	4	4	4	4	4	4	4
544	YAAN BC	very good	4	6	4	4	4	4	4	6	6
698	YAAN BC	very good	4	6	4	4	4	4	4	6	6
702	YAAN BC	very good	4	6	6	6	4	4	4	6	6
776	YAAN BC	very good	4	6	4	-	4	4	4	6	6
403	YAAN BC	Good	3	6	4	4	3	3	3	6	6
439	YAAN BC	Good	4	6	4	4	4	4	4	6	6
474	YAAN BC	Good	4	4	4	4	3	3	3	4	4
495	YAAN BC	Good	3	6	-	4	3	3	3	4	4
512	YAAN BC	Good	4	6	4	4	4	4	4	4	4
569	YAAN BC	Good	3	6	4	4	4	3	3	-	6
572	YAAN BC	Good	4	-	4	-	4	4	4	4	4
692	YAAN BC	Good	4	6	4	-	3	3	3	4	6
755	YAAN BC	Good	4	6	3	4	4	4	4	4	4
759	YAAN BC	Good	3	6	4	4	-	-	-	6	6
760	YAAN BC	Good	3	6	4	4	-	-	-	6	6
771	YAAN BC	Good	4	4	4	6	4	4	4	4	4
784	YAAN BC	Good	3	6	4	-	4	3	3	6	6
791	YAAN BC	Good	4	6	4	4	4	4	4	6	6
794	YAAN BC	Good	3	6	4	-	4	3	3	6	6
800	YAAN BC	Good	4	4	4	4	-	-	-	4	4
432	YAAN BC	poor	-	4	4	4	4	4	4	5	4
437	YAAN BC	poor	-	4	4	4	4	4	4	5	4
476	YAAN BC	poor	-	4	4	4	4	4	4	5	4
487	YAAN BC	poor	4	4	4	4	4	4	4	4	4
511	YAAN BC	poor	4	5	4	4	-	4	4	5	5
516	YAAN BC	poor	5	4	4	4	4	6	6	5	6
547	YAAN BC	poor	4	5	-	5	4	4	4	5	5
549	YAAN BC	poor	4	5	4	4	4	6	6	5	-
557	YAAN BC	poor	4	6	6	6	4	4	4	-	4
565	YAAN BC	poor	4	4	4	4	6	4	4	5	4
567	YAAN BC	poor	4	-	4	4	4	4	4	4	-
568	YAAN BC	poor	4	4	4	4	4	-	-	-	6
571	YAAN BC	poor	4	-	5	-	4	4	4	4	-
596	YAAN BC	poor	4	4	4	4	4	4	4	4	4
600	YAAN BC	poor	4	4	4	4	4	4	4	4	4
611	YAAN BC	poor	4	-	5	-	4	4	4	4	-
625	YAAN BC	poor	4	4	4	4	4	4	4	4	4
664	YAAN BC	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	595	612	685	742	744	745	746	750	768
		MM	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor
673	YAAN BC	poor	4	4	4	4	4	4	4	4	4
682	YAAN BC	poor	4	-	4	-	6	4	4	4	6
694	YAAN BC	poor	4	4	4	4	4	4	4	4	4
741	YAAN BC	poor	4	5	4	4	4	4	4	4	4
751	YAAN BC	poor	4	4	4	4	4	4	4	-	4
766	YAAN BC	poor	4	6	4	4	4	4	4	4	5
774	YAAN BC	poor	4	4	4	4	-	-	-	4	4
781	YAAN BC	poor	4	-	4	-	4	4	4	4	5
477	YAAN BC	bad	4	-	-	-	5	4	4	5	5
631	YUNNAN W	poor	4	4	4	4	4	4	4	4	4
634	YUNNAN W	poor	4	6	4	4	-	4	4	4	6
650	YUNNAN W	poor	4	4	4	4	4	4	4	4	4

ID	Location	Males	773	778	786	790	399
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC bad
610	ABERDE HK	poor	4	4	4	4	5
638	ADELAIDE	poor	-	4	4	4	5
678	ANJI BAMB	Good	6	3	4	4	6
452	ATLANTA	Good	6	3	4	4	6
652	BEIJING	Good	4	3	4	4	6
691	BEIJING	Good	6	-	-	-	6
566	BEIJING	poor	-	4	4	4	4
669	BEIJING	poor	4	4	4	4	6
765	CHENPANDA	very good	6	4	6	6	6
387	CHENPANDA	Good	6	3	4	4	6
401	CHENPANDA	Good	6	4	4	6	6
407	CHENPANDA	Good	4	3	3	4	6
425	CHENPANDA	Good	6	3	3	4	6
480	CHENPANDA	Good	-	3	4	4	6
522	CHENPANDA	Good	6	3	4	4	6
523	CHENPANDA	Good	4	3	4	4	6
561	CHENPANDA	Good	6	4	4	6	6
598	CHENPANDA	Good	4	3	4	4	6
637	CHENPANDA	Good	4	3	4	4	6
680	CHENPANDA	Good	6	3	4	4	6
681	CHENPANDA	Good	4	3	4	4	6
725	CHENPANDA	Good	6	4	4	6	6
761	CHENPANDA	Good	6	3	3	4	6
762	CHENPANDA	Good	6	3	3	4	6
362	CHENPANDA	poor	4	4	4	4	4
453	CHENPANDA	poor	4	4	4	4	4
490	CHENPANDA	poor	4	4	4	4	5
491	CHENPANDA	poor	4	4	4	4	5
494	CHENPANDA	poor	4	4	4	4	4
537	CHENPANDA	poor	4	4	4	4	4
554	CHENPANDA	poor	4	4	4	4	4
555	CHENPANDA	poor	4	4	4	4	4
570	CHENPANDA	poor	4	4	4	4	4
593	CHENPANDA	poor	4	4	4	4	4
635	CHENPANDA	poor	4	4	4	4	5
645	CHENPANDA	poor	4	4	4	4	5
665	CHENPANDA	poor	4	4	4	4	5
667	CHENPANDA	poor	6	4	4	4	5
671	CHENPANDA	poor	4	4	4	4	5
709	CHENPANDA	poor	4	4	4	4	4
710	CHENPANDA	poor	4	4	4	4	4
722	CHENPANDA	poor	4	4	4	4	5
723	CHENPANDA	poor	4	4	4	4	5

ID	Location	Males	773	778	786	790	399
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC bad
763	CHENPANDA	poor	4	4	4	4	4
764	CHENPANDA	poor	4	4	4	4	4
779	CHENPANDA	poor	4	4	4	4	5
796	CHENPANDA	poor	4	4	4	4	4
740	CHIANGMAI	poor	4	4	4	4	5
539	CHIANGMAI	bad	5	4	4	6	-
385	CHONGQING	Good	-	3	4	4	6
493	CHONGQING	poor	4	4	4	4	4
548	CHONGQING	poor	4	4	-	5	-
632	GUILIN	poor	4	4	4	4	5
641	GUILIN	poor	4	4	4	4	5
434	KOBE PARK	Good	6	4	4	6	-
660	LOUGUANTA	very good	6	4	6	6	6
699	LOUGUANTA	very good	6	4	6	6	6
700	LOUGUANTA	very good	6	4	6	6	6
754	LOUGUANTA	very good	6	4	4	6	6
509	LOUGUANTA	Good	6	3	4	4	6
562	LOUGUANTA	Good	6	4	4	6	6
603	LOUGUANTA	Good	4	4	4	4	-
757	LOUGUANTA	Good	6	4	4	6	6
576	MADRID Z	Good	4	3	4	4	6
507	MEMPHIS	very good	6	4	4	6	6
360	MEXICOCTY	very good	6	4	6	6	6
643	NANJING	Good	6	4	4	4	6
651	NANJING	poor	4	4	4	4	4
473	NZP-WASH	Good	6	4	4	6	6
601	PANYU	Good	6	4	4	6	6
618	PANYU	poor	-	4	4	4	5
371	SANDIEGOZ	bad	5	5	5	5	-
712	SHANGHAI	Good	4	3	4	4	6
739	SHANGHAI	Good	6	3	4	6	6
704	SHANGHAI	poor	4	4	4	4	5
706	SHANGHAI	poor	4	4	4	4	4
734	SHANGHAI	poor	6	6	6	6	5
735	SHANGHAI	poor	6	6	6	6	5
587	TAIPEI	poor	6	4	4	4	5
514	VIENNA	poor	4	4	-	5	-
521	WAKAYAMA	poor	4	4	4	4	5
663	WAKAYAMA	poor	4	4	4	4	4
737	WAKAYAMA	poor	4	4	4	4	4
783	WAKAYAMA	poor	4	4	4	4	4
505	WOLONG	very good	6	4	6	6	6

ID	Location	Males	773	778	786	790	399
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC bad
581	WOLONG	very good	6	4	6	6	6
656	WOLONG	very good	6	4	6	6	6
701	WOLONG	very good	6	4	6	6	6
654	XIUNING	Good	6	4	4	6	6
672	XIUNING	poor	4	-	-	-	5
544	YAAN BC	very good	6	4	6	6	6
698	YAAN BC	very good	6	4	6	6	6
702	YAAN BC	very good	6	4	6	6	6
776	YAAN BC	very good	6	4	4	6	6
403	YAAN BC	Good	6	-	-	-	6
439	YAAN BC	Good	6	4	4	6	6
474	YAAN BC	Good	4	3	4	4	6
495	YAAN BC	Good	6	3	4	4	6
512	YAAN BC	Good	4	4	4	4	6
569	YAAN BC	Good	6	6	6	6	6
572	YAAN BC	Good	4	4	4	-	6
692	YAAN BC	Good	6	3	4	4	6
755	YAAN BC	Good	4	3	4	4	6
759	YAAN BC	Good	6	4	4	6	6
760	YAAN BC	Good	6	4	4	6	6
771	YAAN BC	Good	4	4	4	4	-
784	YAAN BC	Good	6	4	4	6	6
791	YAAN BC	Good	6	4	4	6	6
794	YAAN BC	Good	6	3	4	6	6
800	YAAN BC	Good	4	3	4	4	6
432	YAAN BC	poor	5	4	4	4	-
437	YAAN BC	poor	5	4	4	4	-
476	YAAN BC	poor	5	4	4	4	-
487	YAAN BC	poor	4	4	4	4	-
511	YAAN BC	poor	4	4	4	5	-
516	YAAN BC	poor	-	6	4	4	-
547	YAAN BC	poor	4	4	-	5	-
549	YAAN BC	poor	6	6	5	5	-
557	YAAN BC	poor	4	4	4	6	-
565	YAAN BC	poor	5	4	4	4	-
567	YAAN BC	poor	-	4	4	4	4
568	YAAN BC	poor	6	-	4	4	-
571	YAAN BC	poor	-	4	4	-	5
596	YAAN BC	poor	4	4	4	4	-
600	YAAN BC	poor	4	4	4	4	5
611	YAAN BC	poor	-	4	4	-	5
625	YAAN BC	poor	4	4	4	4	4
664	YAAN BC	poor	4	4	6	6	5

ID	Location	Males	773	778	786	790	399
		MK	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC poor	YAAN BC bad
673	YAAN BC	poor	4	-	-	-	5
682	YAAN BC	poor	5	4	4	-	5
694	YAAN BC	poor	4	4	4	4	-
741	YAAN BC	poor	5	4	4	4	5
751	YAAN BC	poor	4	6	4	5	-
766	YAAN BC	poor	6	4	4	4	5
774	YAAN BC	poor	4	4	4	4	5
781	YAAN BC	poor	5	4	4	4	4
477	YAAN BC	bad	4	4	5	-	-
631	YUNNAN W	poor	4	4	4	4	5
634	YUNNAN W	poor	5	4	4	4	5
650	YUNNAN W	poor	4	4	4	4	4