|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Panda name | Ame-μ010 | | Ame-μ026 | | Ame-μ013 | | Ame-μ011 | | Ame-μ015 | | Panda-22 | | GPL-47 | | GPL-60 | | gpz-47 | | gpz-6 | | Sex |
| 1 | 135 | 135 | 107 | 109 | 136 | 136 | 110 | 110 | 120 | 120 | 138 | 138 | 165 | 173 | 228 | 228 | 176 | 192 | 204 | 212 | M |
| 2 | 135 | 139 | 107 | 109 | 136 | 158 | 110 | 110 | 120 | 120 | 138 | 141 | 165 | 173 | 228 | 228 | 176 | 192 | 204 | 212 | ND |
| 3 | 133 | 135 | 109 | 109 | 136 | 136 | 110 | 110 | 122 | 124 | 144 | 144 | 165 | 173 | 228 | 228 | 184 | 184 | 216 | 216 | F |
| 4 | 135 | 139 | 107 | 109 | 138 | 138 | 110 | 112 | 124 | 124 | 141 | 141 | 165 | 173 | 228 | 228 | 176 | 176 | 204 | 212 | ND |
| 5 | 150 | 154 | 107 | 113 | 158 | 158 | 110 | 112 | 120 | 122 | 141 | 144 | 165 | 173 | 220 | 224 | 184 | 184 | 208 | 208 | ND |
| 6 | 135 | 139 | 107 | 109 | 138 | 138 | 110 | 110 | 124 | 124 | 141 | 141 | 165 | 173 | 228 | 228 | 176 | 192 | 204 | 212 | ND |
| 7 | 135 | 135 | 107 | 109 | 136 | 158 | 110 | 116 | 120 | 124 | 138 | 138 | 165 | 173 | 228 | 228 | 200 | 200 | 204 | 212 | ND |
| 8 | 150 | 154 | 107 | 113 | 136 | 136 | 112 | 116 | 120 | 122 | 138 | 141 | 165 | 173 | 228 | 228 | 204 | 204 | 204 | 208 | ND |
| 9 | 135 | 135 | 109 | 109 | 156 | 156 | 110 | 112 | 120 | 120 | 144 | 144 | 165 | 165 | 228 | 228 | 200 | 200 | 204 | 212 | F |
| 10 | 135 | 135 | 107 | 109 | 136 | 136 | 110 | 110 | 120 | 124 | 138 | 138 | 165 | 173 | 228 | 228 | ND | ND | 216 | 216 | ND |
| 11 | 139 | 149 | 109 | 115 | 158 | 158 | 110 | 110 | 120 | 122 | 141 | 141 | 165 | 173 | 228 | 228 | 176 | 192 | 204 | 212 | F |
| 12 | 149 | 149 | 107 | 115 | 156 | 156 | 112 | 116 | 120 | 122 | 138 | 141 | 165 | 173 | 220 | 224 | 200 | 200 | 204 | 208 | ND |
| 13 | 139 | 149 | 107 | 109 | 156 | 156 | 110 | 110 | 120 | 120 | 138 | 141 | 165 | 173 | 224 | 228 | 176 | 192 | 204 | 208 | ND |
| 14 | 149 | 149 | 109 | 109 | 166 | 166 | 110 | 110 | 120 | 120 | 138 | 141 | 165 | 165 | 232 | 232 | 200 | 200 | 200 | 204 | ND |
| 15 | 133 | 133 | 113 | 113 | 154 | 154 | 110 | 110 | 124 | 124 | 144 | 144 | 165 | 173 | 228 | 228 | 184 | 184 | 196 | 196 | ND |
| 16 | 135 | 139 | 109 | 109 | 138 | 138 | ND | ND | 122 | 122 | 144 | 144 | 165 | 173 | 228 | 228 | 184 | 184 | 196 | 200 | ND |
| 17 | 135 | 139 | 109 | 115 | 144 | 144 | ND | ND | 124 | 124 | 144 | 144 | 165 | 173 | 228 | 228 | 184 | 184 | 200 | 204 | ND |
| 18 | 135 | 149 | 107 | 107 | 156 | 156 | 112 | 116 | 122 | 122 | 141 | 141 | 165 | 173 | 220 | 224 | 200 | 200 | 216 | 216 | F |
| 19 | 135 | 135 | 107 | 109 | 138 | 138 | 110 | 110 | 122 | 124 | 141 | 141 | ND | ND | 228 | 228 | 184 | 184 | 216 | 216 | F |
| 20 | 133 | 133 | 107 | 109 | 144 | 144 | 110 | 112 | 122 | 122 | 138 | 138 | ND | ND | 224 | 224 | 184 | 184 | 216 | 216 | F |
| 21 | 147 | 147 | 113 | 113 | 156 | 156 | 110 | 112 | 122 | 122 | 144 | 144 | 173 | 173 | 220 | 220 | 184 | 184 | 196 | 196 | ND |
| 22 | 135 | 135 | 107 | 109 | 136 | 136 | 112 | 116 | 124 | 132 | 138 | 138 | 165 | 173 | 228 | 228 | 176 | 192 | 200 | 212 | M |
| 23 | 135 | 139 | 107 | 109 | 136 | 160 | 112 | 116 | 122 | 124 | 138 | 138 | 165 | 173 | 228 | 228 | 176 | 176 | 204 | 204 | F |
| 24 | 139 | 139 | 107 | 107 | 154 | 158 | 110 | 116 | 122 | 122 | 138 | 141 | 173 | 173 | 224 | 236 | 192 | 200 | 200 | 208 | F |
| Tao Tao | 135 | 143 | 107 | 107 | 158 | 158 | 110 | 112 | 122 | 122 | 144 | 144 | 165 | 173 | 220 | 224 | 192 | 192 | 208 | 208 | M |
| Zhang Xiang | 133 | 135 | 107 | 107 | 160 | 160 | 112 | 112 | 122 | 122 | 138 | 141 | 165 | 173 | 224 | 224 | 192 | 200 | 208 | 212 | F |
| Zhang Meng | 139 | 139 | 107 | 113 | 136 | 158 | 112 | 116 | 122 | 122 | 138 | 141 | 165 | 173 | 224 | 228 | 200 | 208 | 208 | 208 | F |
| Ba Xi | 137 | 137 | 107 | 109 | 136 | 136 | 112 | 116 | 124 | 132 | 138 | 138 | 165 | 173 | 228 | 228 | 176 | 200 | 198 | 210 | M |

***Supplementary Material:***

**Genetic diversity and prediction analysis of the small** **isolated giant panda population after joining reintroduced individuals**

Qin-Long Dai 1,2,†, Jian-Wei Li 1,2,†, Yi Yang 2 , Min Li 1,2, Kan Zhang 2, Liu-Yang He4, Jun Zhang 2, Bo Tang2, Hui-Ping Liu2, Yu-Xia Li 5, Zhi-Song Yang 1\*, Qiang Dai 3\*

\***Correspondence:** Zhi-Song Yang, [yangzhisong@126.com](mailto:yangzhisong@126.com); Qiang Dai, daiqiang@cib.ac.cn.

**Details of the unique genotypes including** **four reintroduced giant pandas**

"Tao Tao," "Zhang Xiang," “Ba Xi,” and "Zhang Meng" were the reintroduced giant pandas, F and M were female and male respectively, ND was the not determine.