**SUPPLEMENTARY TABLES**

**Supplementary Table 1. Sample information used in this study.**

| Species          | Identical No. | Sex (F/M) | Birth                  | 1st year (TP1) | 2nd year (TP2) | 3rd year (TP3) |
|------------------|---------------|-----------|------------------------|----------------|----------------|----------------|
|                  |               |           |                        | Age            | Age            | Age            |
| Chlorocebus aethiops | A009         | M         | February 5, 1991       | 23             | 24             | 25             |
|                  | A014         | F         | April 20, 1992         | 22             | 23             | 24             |
|                  | A017         | F         | August 8, 1992         | 22             | 23             | 24             |
|                  | A022         | F         | November 12, 1993      | 21             | 22             | 23             |
|                  | A023         | F         | December 18, 1993      | 21             | 22             | 23             |
|                  | A024         | F         | March 27, 1994         | 20             | 21             | 22             |
|                  | A026         | F         | June 16, 1994          | 20             | 21             | 22             |
|                  | A028         | F         | August 27, 1995        | 19             | 20             | 21             |
|                  | A030         | M         | October 1, 1999        | 15             | 16             | 17             |

**Supplementary Table 2. Summary of the whole-transcriptome sequencing data used in this study.**

| Sample          | Total read number | Clean reads | Clean bases | % >=Q20 bases | GC(%) | Uniquely mapped reads | Mapping rate (%) |
|-----------------|-------------------|-------------|-------------|--------------|-------|-----------------------|-----------------|
| A009_TP1        | 45,301,314        | 43,323,392  | 4,332,339,200 | 98.76%       | 55.74% | 36,488,069            | 84.2%           |
| A014_TP1        | 47,470,650        | 45,024,446  | 4,502,444,600 | 98.71%       | 55.90% | 37,676,100            | 83.7%           |
| A017_TP1        | 46,834,102        | 44,680,648  | 4,468,064,800 | 98.77%       | 54.81% | 38,165,871            | 85.4%           |
| A022_TP1        | 46,924,778        | 44,894,386  | 4,489,438,600 | 98.80%       | 54.55% | 39,893,408            | 88.9%           |
| A023_TP1        | 59,568,668        | 56,200,418  | 5,620,041,800 | 98.47%       | 55.45% | 48,230,648            | 85.8%           |
| A024_TP1        | 49,561,172        | 47,576,264  | 4,757,626,400 | 98.81%       | 56.02% | 39,524,017            | 83.1%           |
| A026_TP1        | 51,322,386        | 48,434,668  | 4,843,466,800 | 98.50%       | 53.54% | 41,257,942            | 85.2%           |
| A028_TP1        | 44,904,020        | 42,838,080  | 4,283,808,000 | 98.72%       | 55.15% | 36,417,864            | 85.0%           |
| A030_TP1        | 48,547,742        | 46,015,192  | 4,601,519,200 | 98.59%       | 58.99% | 37,872,906            | 82.3%           |
| A009_TP2        | 57,665,986        | 56,416,626  | 5,698,079,226 | 97.49%       | 56.26% | 52,126,315            | 92.4%           |
| A014_TP2        | 59,140,718        | 57,749,646  | 5,832,714,246 | 97.69%       | 56.76% | 52,795,462            | 91.4%           |
| A017_TP2        | 54,164,580        | 52,825,084  | 5,335,333,484 | 97.32%       | 51.93% | 45,950,900            | 87.0%           |
| A022_TP2        | 54,043,820        | 52,595,934  | 5,312,189,334 | 97.12%       | 54.43% | 46,766,815            | 88.9%           |
| A023_TP2        | 55,098,080        | 53,515,516  | 5,405,067,116 | 97.15%       | 55.58% | 47,224,418            | 88.2%           |
| A024_TP2        | 60,230,174        | 59,980,090  | 5,907,407,090 | 97.23%       | 54.68% | 54,512,504            | 90.0%           |
| A026_TP2        | 60,312,888        | 58,368,442  | 5,895,212,642 | 96.91%       | 51.75% | 50,263,252            | 86.1%           |
| A028_TP2        | 58,472,078        | 56,823,852  | 5,739,209,052 | 97.24%       | 55.50% | 50,034,000            | 88.1%           |
| A030_TP2        | 54,537,530        | 52,875,002  | 5,340,375,202 | 97.16%       | 55.24% | 47,169,159            | 89.2%           |
| A009_TP3        | 58,391,966        | 57,430,426  | 5,800,473,026 | 97.94%       | 56.96% | 50,712,008            | 88.3%           |
| A014_TP3        | 43,120,278        | 42,268,894  | 4,269,158,294 | 97.82%       | 55.95% | 37,376,907            | 88.4%           |
| A017_TP3        | 50,063,882        | 49,285,080  | 4,977,793,080 | 97.99%       | 55.34% | 43,765,097            | 88.8%           |
| A022_TP3        | 58,666,010        | 57,690,134  | 5,826,703,534 | 97.89%       | 56.70% | 50,868,104            | 88.2%           |
| A023_TP3        | 51,392,162        | 50,689,146  | 5,119,603,746 | 97.28%       | 55.87% | 44,505,333            | 87.8%           |
| A024_TP3        | 51,849,460        | 51,032,314  | 5,154,263,714 | 97.97%       | 57.34% | 45,655,035            | 89.5%           |
| A026_TP3        | 52,834,220        | 52,040,756  | 5,256,116,356 | 97.24%       | 54.81% | 45,127,840            | 86.7%           |
| A028_TP3        | 50,839,704        | 50,039,096  | 5,053,948,696 | 97.98%       | 56.48% | 44,695,945            | 89.3%           |
| A030_TP3        | 59,264,442        | 58,377,208  | 5,896,098,008 | 98.00%       | 57.34% | 52,561,099            | 90.0%           |