**Table S2 Evolutionary features of non-housekeeping genes**

|  |  |  |  |
| --- | --- | --- | --- |
| Terms | Mouse*a* |  | Elephant |
| Pig | Human | *P*-value *c* |  | Pig | Human | *P*-value  |
| dN | 0.16±0.419 *b* | 0.15±0.027 | 0.410 |  | 0.12±0.012 | 0.13±0.019 | 0.295 |
| dS | 1.39±6.093 | 1.91±8.061 | 0.013 |  | 1.54±7.459 | 0.84±3.926 | 0.001 |
| dN/dS | 0.17±0.018 | 0.20±0.032 | 0.894 |  | 0.21±0.27 | 0.24±0.42 | 0.175 |