Supplementary Materials

Table 1. RT-PCR primer sequences

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| Name | Sequence (5′–3′) |
| 18sRNA | 18sRNA-F AGGCCATGATTAAGAGGGAC |
|  | 18sRNA-R TCTGATCGTCGTCGAACCTC |
| *pgc-1α* | pgc-1α-F AGGGCGAAACAAAGGGAGA |
|  | pgc-1α-R CGTCACAGGTGTATCGGTAGGT |
| *pparα* | pparα-F ACCTGGAAAGCCCGTTATCT |
|  | pparα-R ACCACAGGACAAGTGACGGAT |
| *PRDM16* | PRDM16-F3 TCCTACACGCAGTTCTCCAAC |
|  | PRDM16-R3 GTAATGGTTCTTGCCCTCGC |
| UCP1 | UCP1-F GGGAGGAAGCAACACCAAGT |
|  | UCP1-R CCGTGTAGCGAGGTTTGAGA |
| CREB | CREB-F CTGGACCCTGAAGAGACGACT |
|  | CREB-R CTGGAGGTTGGGATTGCTTA |
| SLN | SLN-Fn ACGCACAATGTTGACATACTCC |
|  | SLN-Rn AACCCTGAGGCTTGTCTAATGT |

Figure S1 Comparisons of nonshivering thermogenesis of plateau pikas from regions with different altitudes.

Figure S2 Comparison of resting metabolic rate of plateau pikas at different altitudes at ambient temperature of 15℃.