**Additional file 12.**

Primer sequences used for amplification of horse genes (PCR).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene | Primer Sequence (5’-3’) | Annealing temperature (℃) | Product size | GenBank accession number |
| Nanog | F TACCTCAGCCTCCAGCAGATGC | 61 | 2003 bp | XM\_023643093.1 |
| R CCAGGAATGGTTGCTCCAAGACTG |
| CD44 | F CCACTAATGCGAGTCACCACA | 57 | 142 bp | EU366979.1 |
| R TCATCATCATCAATGCCTGATCCA |
| CD90 | F CCATGAGAATACCACCGCCACAC | 61 | 361 bp | EU881920.1 |
| R GGAGCACAGAGACAGTCTTGTTGG |
| CD105 | F AGTCTGCATTGCACCGTCATGAG | 61 | 301 bp | KF181205.1 |
| R AGCGAGAGGCTCTCCGTGTTG |