**Appendix 1.** Authentication of COS-7 cells

|  |  |  |  |
| --- | --- | --- | --- |
| **Marker** | **Expected**  **repeat**  **Number\*** | **Obtained**  **sequence** | **Obtained**  **repeat**  **Number** |
| D17S1304 | 11 | TACCATGtCctCtGGTtCtGGCTtCTGTGTTAATTtgAAAAAAAGAGGTTT  TATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTAtcTCTNTG  TAtgATTTGTATAGTTCCAAAtgAAAGtggaTAGATAGATGCtGGGNAACattAaga | 11 |
| D5S1467 | 11 | cCTAAGGTGGTGAATTGGAATGTGAACTCATGATAGATAGATTgATG  GTAGATAGATAGAtGGTAGGTAGATAGATAGATAGATAGATAGATAGATAGATAgATAGAtg  ATGTATAtttgAATATATACACAaTtTTTTtag | 11 |
| D4S2408 | 19 | NCTTCATTTCCATAGGGTAAGTGAAAAAAATTTAGCAAGTTAAGAAGTTCTATATTTAAGG  TACATAACAGTTCAATAGAAAGCATCTATCTACCCATCTATCTGTCTGTCTATCTATNTATCT  ATCTATNTATCTATCTATCTATCTATCTACCTATCTCATGGTTACCCTTtCTCAGTCATTTCAGT  GGATGAATTGAAGTTGAAATTTTATTATTGATTTACTTATTCTGGTATATGTATATCAAATTCC  ATATGTACAATATTTATACAAACAAtNataaAAAATATttatagtGTCTTAATATANgTAAGcaNctcTAagag | 19 |
| D19S245 | 21 | GACCTGCAATCAGCCATTTAATGGTCTTTACTTGTAAATATGGGGATANTGNNNNNNNCNNNGAN  NANNNTCAGATGAGACCAGTCACCTGCCTNAGTCACACTTCTCCCCTNGATTATGCTGGTAGAGC  ACTAAGACCACCNGGCATGCCAACGTTCCCATCTATCTATCTATCTATCTATCTATCTAtCTATCTATCT  ATCTATCTATCTATCTATCATCTATCTATCTATCTATCTATCTATCCATCTGTCATCTGTCtGtCTGTGTaTCtGtTtatcttctttt | 21 |

\*As determined by Almeida et al (2011).