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

|  |  |  |  |
| --- | --- | --- | --- |
| **Marker** | **Expected** **repeat** **Number\*** | **Obtained** **sequence** | **Obtained** **repeat** **Number** |
| D17S1304 | 11 | TACCATGtCctCtGGTtCtGGCTtCTGTGTTAATTtgAAAAAAAGAGGTTTTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTAtcTCTNTGTAtgATTTGTATAGTTCCAAAtgAAAGtggaTAGATAGATGCtGGGNAACattAaga | 11 |
| D5S1467 | 11 | cCTAAGGTGGTGAATTGGAATGTGAACTCATGATAGATAGATTgATGGTAGATAGATAGAtGGTAGGTAGATAGATAGATAGATAGATAGATAGATAGATAgATAGAtgATGTATAtttgAATATATACACAaTtTTTTtag | 11 |
| D4S2408 | 19 | NCTTCATTTCCATAGGGTAAGTGAAAAAAATTTAGCAAGTTAAGAAGTTCTATATTTAAGGTACATAACAGTTCAATAGAAAGCATCTATCTACCCATCTATCTGTCTGTCTATCTATNTATCTATCTATNTATCTATCTATCTATCTATCTACCTATCTCATGGTTACCCTTtCTCAGTCATTTCAGTGGATGAATTGAAGTTGAAATTTTATTATTGATTTACTTATTCTGGTATATGTATATCAAATTCCATATGTACAATATTTATACAAACAAtNataaAAAATATttatagtGTCTTAATATANgTAAGcaNctcTAagag | 19 |
| D19S245 | 21 | GACCTGCAATCAGCCATTTAATGGTCTTTACTTGTAAATATGGGGATANTGNNNNNNNCNNNGANNANNNTCAGATGAGACCAGTCACCTGCCTNAGTCACACTTCTCCCCTNGATTATGCTGGTAGAGCACTAAGACCACCNGGCATGCCAACGTTCCCATCTATCTATCTATCTATCTATCTATCTAtCTATCTATCTATCTATCTATCTATCTATCATCTATCTATCTATCTATCTATCTATCCATCTGTCATCTGTCtGtCTGTGTaTCtGtTtatcttctttt | 21 |

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