**STR analysis**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Marker** | **HDF51** | | **ZIPi013-B** | | **ZIPi013-B-1** | | **ZIPi013-B-2** | |
| Amelogenin | X | X | X | X | X | X | X | X |
| CSF1PO | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| D13S317 | 11 | 13 | 11 | 13 | 11 | 13 | 11 | 13 |
| D16S539 | 9 | 11 | 9 | 11 | 9 | 11 | 9 | 11 |
| D18S51 | 19 | 19 | 19 | 19 | - | - | - | - |
| D21S11 | 27 | 30 | 27 | 30 | 27 | 30 | 27 | 30 |
| D3S1358 | 18 | 18 | 18 | 18 | - | - | - | - |
| D5S818 | 11 | 13 | 11 | 13 | 11 | 13 | 11 | 13 |
| D7S820 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| D8S1179 | 11 | 14 | 11 | 14 | - | - | - | - |
| FGA | 20 | 24 | 20 | 24 | - | - | - | - |
| PentaD | 11 | 11 | 11 | 11 | - | - | - | - |
| PentaE | 5 | 17 | 5 | 17 | - | - | - | - |
| TH01 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| TPOX | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| vWA | 14 | 19 | 14 | 19 | 14 | 19 | 14 | 19 |