### Table S8. Primer sequences for the Sequenom analysis and the screening of the deletions

|  |  |  |
| --- | --- | --- |
| **SNP\_ID** | **PCR primer 1** | **PCR primer 2** |
| Y-E17.1\_1277 | ACGTTGGATGGGCTTCCATGAATGACTCTC | ACGTTGGATGCTGCAACCAACAGAAGTGTG |
| Y-E3.1\_10594 | ACGTTGGATGGTTGCCAAACTACTCACCAG | ACGTTGGATGATTGTGGGTGAGACTGTGAG |
| Y-E3.1mut\_SNP1 | ACGTTGGATGTTGATCTGCAGCGGTAAGAC | ACGTTGGATGTCAGCCTGGGGGCTGGGT |
| Y-E3.1mut\_SNP2 | ACGTTGGATGAGTGATGCCCATCCAGATGC | ACGTTGGATGCTTAGTGTAGTGCCTGGTGC |
| YXX\_24I23\_25345 | ACGTTGGATGGGAATCTACACATCTCACAG | ACGTTGGATGATAGATGGGGAAAAGGTTG |
|  |  |  |
| **SNP\_ID** | **Extension primer** | Variants |
| Y-E17.1\_1277 | TGACTCTCGAGTTCTACA | T/A |
| Y-E3.1\_10594 | TCTAATCAGCATTAGAACAAGT | T/- |
| Y-E3.1mut\_SNP1 | AGTTATAGACCATCTCTGGG | T/A |
| Y-E3.1mut\_SNP2 | ACCCAAACCCCTCATTG | C/A |
| YXX\_24I23\_25345 | ACGAAAGACATAAACTACGTTAAA | G/A |

Screening PCR HT6- Shetland pony deletion (966 bp)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNP\_ID** | **PCR primer 1** | **PCR primer 2** | **Amplicon HT1-5** | **Amplicon HT6** |
| Y\_E3.1.11076-12042del | CCCTTTCATCCAACTGCCTA | TATTCCTGGCCAAGTTCTGG | 2010bp | 1044 bp |

Screening for HTPrz- 3051 bp deleted in Przewalski horses

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNP\_ID** | **PCR primer 1** | **PCR primer 2** | **Amplicon HT1-6** | **Amplicon Prz** |
| Y-P16.2241-5412del | GTTCTTCCCAATTTTAACGTGTC | CTTGTTCAGCCTTCGGAATC | 3796 bp | 745 bp |