**Table S4**: Relative proportion (%) of reads per sequencing products that present *Mc1r* R301C, *Mc1r* R306ter or the *CBD103* ΔG23 mutations for 15 and 19 samples and allelic state deduce for these three loci. *In italic*: individuals with a wolf-morphotype (CH1075 and CH1244).

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample reference** | **Country** | **Site** | ***Mc1r* R301C (79bp)** | | | ***Mc1r* R306ter (79bp)** | | | ***CBD103* ΔG23 (83bp)** | | |
|  |  |  | % of C / replicate | % of T / replicate | Allelic state | % of C / replicate | % of T / replicate | Allelic state | % of GGG / replicate | % of --- / replicate | Allelic state |
| CH734 | France | Bury | 100 100 100 | 0 0 0 | C / C | 100 100 100 | 0 0 0 | C / C | 0 0 | 100 100 | --- / --- |
|
|
| CH735 | 100 100 | 0 0 | C / C | 100 100 | 0 0 | C / C | 100 100 | 0 0 | GGG / GGG |
| CH716 | Ukraine | Luka Vrubiletskaia | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| CH717 | Moldavia | Soloncheny | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| *CH1075* | Turkmenistan | Ulug Depe | 100 100 | 0 0 | C / C | 100 100 | 0 0 | C / C | 0 100 40 46 | 100 0 60 54 | GGG / --- |
| CH1076 | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| CH756 | France | Saint Paul Trois Chateaux | - | - | - | - | - | - | 100 100 100 | 0 0 0 | GGG / GGG |
| CH1047 | Switzerland | Twann | 100 100 | 0 0 | C / C | 100 100 | 0 0 | C / C | - | - | - |
| CH773 | Romania | Bordușani | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| CH768 | Hârșova | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| CH770 | 0 0 | 100 100 | T / T | 100 100 | 0 0 | C / C | - | - | - |
| CH771 | 0 100 0 75 | 100 0 100 25 | C / T | 100 100 100 100 | 0 0 0 0 | C / C | 0 0 | 100 100 | --- / --- |
| CH1042 | Germany | Herxheim | 100 100 100 | 0 0 0 | C / C | 100 100 100 | 0 0 0 | C / C | 100 100 | 0 0 | GGG / GGG |
| CH767 | Romania | Isaccea | 0 0 0 0 | 100 100 100 100 | T / T | 100 100 100 100 | 0 0 0 0 | C / C | 0 44 | 100 56 | GGG / --- |
| CH708 | Russia | Pad'Kalashnikova | 58 28 67 46 | 42 72 33 54 | C / T | 100 100 100 100 | 0 0 0 0 | C / C | 100 100 | 0 0 | GGG / GGG |
| CH709 | 68 57 31 | 32 43 69 | C / T | 100 100 100 | 0 0 0 | C / C | 100 100 100 | 0 0 0 | GGG / GGG |
| CH710 | Ust'Belaya | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| CH711 | 55 36 50 80 | 45 64 50 20 | C / T | 100 100 100 100 | 0 0 0 0 | C / C | 100 100 100 | 0 0 0 | GGG / GGG |
| CH712 | 0 0 1 | 100 100 99 | T / T | 100 100 100 | 0 0 0 | C / C | 100 100 | 0 0 | GGG / GGG |
| CH1119 | Romania | Icoana | - | - | - | - | - | - | 100 100 | 0 0 | GGG / GGG |
| CH1120 | 0 0 | 100 100 | T / T | 100 100 | 0 0 | C / C | 0 0 | 100 100 | --- / --- |
|
| CH1119 | 0 0 | 100 100 | T / T | 100 100 | 0 0 | C / C | - | - | - |
| *CH1244* | Russia | Torgashinskaya cave | 100 100 | 0 0 | C / C | 100 100 | 0 0 | C / C | - | - | - |