# S1 Table

## Interruption alleles of SCA10 expansions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Family** | **Individual** | **Expansion Size** | **Change in Overall Expansion Size** | **Change in interrupted region** | **Inheritance** | **Allele**  | **Number of ATTCT repeats in variable region** |
| **** | **** | **** | **** | **** | **** | **** |
| C | III-1 | 3765 | n.a. | n.a. | M | 1 | 12 | 10 | 12 | 14 | 8 | 9 | 11 |
| C | II-2 | 3474 | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| C | III-2 | 3374 | -100 | 0 | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| C | III-3 | 3760 | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| C | III-4 | 3512 | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| C | III-5 | 3540 | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| C | IV-1 | 3575 | +201 | 0 | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M | II-1 | n.a. | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| M | II-2 | 2242 | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| M | II-3 | n.a. | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
| M | II-4 | 2505 | n.a. | n.a. | M | 2 | 11 | 10 | 12 | 14 | 8 | 9 | 11 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| N | II-1 | 3461 | n.a. | n.a. | P | 3 | 11 | 10 | 11 | 13 | 10 | 8 | 14 |
| N | II-2 | 2861 | n.a. | n.a. | P | 3 | 11 | 10 | 11 | 13 | 10 | 8 | 14 |
| N | III-1 | n.a. | n.a. | 0 | P | 3 | 11 | 10 | 11 | 13 | 10 | 8 | 14 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Z | III-1 | 800 | -1980 | n.a. | P | 4 | 11 | 10 | 12 | 12 | 10 | 8 | 14 |
| Z | III-2 | 2780 | 0 | n.a. | P | 4 | 11 | 10 | 12 | 12 | 10 | 8 | 14 |
| Z | III-3 | 2901 | +121 | n.a. | P | 4 | 11 | 10 | 12 | 12 | 10 | 8 | 14 |
| Z | IV-1 | 2703 | -77 | 0 | M | 4 | 11 | 10 | 12 | 12 | 10 | 8 | 14 |
| Z | IV-2 | 1153 | -1748 | 0 | P | 4 | 11 | 10 | 12 | 12 | 10 | 8 | 14 |
| Z | III-4 | 2782 | +2 | n.a. | M | 5 | 11 | 10 | 12 | 11 | 10 | 8 | 14 |
| Z | III-6 | 2780 | -243 | n.a. | P | 6 | 11 | 9 | 12 | 11 | 10 | 8 | 14 |
| Z | IV-5 | 2941 | +161 | 0 | M | 6 | 11 | 9 | 12 | 11 | 10 | 8 | 14 |
| Z | III-7 | 2540 | -483 | n.a. | P | 7 | 11 | 9 | 12 | 12 | 10 | 8 | 14 |
| Z | III-8 | 2980 | -43 | n.a. | P | 7 | 11 | 9 | 12 | 12 | 10 | 8 | 14 |
| Z | IV-3 | 1300 | +20 | n.a. | M | 7 | 11 | 9 | 12 | 12 | 10 | 8 | 14 |
| Z | IV-4 | 1240 | -40 | n.a. | M | 7 | 11 | 9 | 12 | 12 | 10 | 8 | 14 |