**S2 Table: Sex linkage of markers BvEll2 and BvGar1.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | BvEll2 | | | BvGar1 | | | C223 | |
| Si335 (mother) | 231 | 231 | 159 | | 159 | 179 | | 184 |
| Si336 (father) | 225 | 231 | 159 | | 162 | 163 | | 171 |
| Si335xSi336 1 | 231 | 231 | 159 | | 162 | 171 | | 179 |
| Si335xSi336 2 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 3 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 4 | 225 | 231 | 159 | | 159 | 163 | | 184 |
| Si335xSi336 5 | 231 | 231 | 159 | | 162 | 171 | | 179 |
| Si335xSi336 6 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 7 | 231 | 231 | 159 | | 162 | 171 | | 179 |
| Si335xSi336 8 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 9 | 225 | 231 | 159 | | 159 | 163 | | 184 |
| Si335xSi336 10 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 11 | 231 | 231 | 159 | | 162 | 171 | | 171 |
| Si335xSi336 12 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 13 | 231 | 231 | 159 | | 162 | 171 | | 179 |
| Si335xSi336 14 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 15 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 16 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 17 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 18 | 225 | 231 | 159 | | 159 | 163 | | 184 |
| Si335xSi336 19 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 20 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 21 | 231 | 231 | 159 | | 162 | 171 | | 179 |
| Si335xSi336 22 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 23 | 231 | 231 | 159 | | 162 | 171 | | 184 |
| Si335xSi336 24 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 25 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 26 | 225 | 231 | 159 | | 159 | 163 | | 184 |
| Si335xSi336 27 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 28 | 231 | 231 | 159 | | 162 | 171 | | 179 |
| Si335xSi336 29 | 225 | 231 | 159 | | 159 | 163 | | 179 |
| Si335xSi336 30 | 225 | 231 | 159 | | 159 | 163 | | 179 |