**Table S1 Microsatellite alleles of RGs rootstocks and their genitors (41 B and 110 R)**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | Rootstock |
| SSR |   | 41 B |   | RG2 |   | RG3 |   | RG4 |   | RG6 |   | RG7 |   | RG8 |   | RG9 |   | RG10 |   | 110 R |
|  | *ssrVrZAG29* |  | 110 | 110 |   | 110 | 130 |   | 110 | 126 |   | 110 | 126 |   | 110 | 126 |   | 110 | 126 |   | 110 | 130 |   | 110 | 130 |   | 110 | 130 |   | 126 | 130 |
|  | *ssrVrZAG62* |  | 193 | 219 |   | 193 | 195 |   | 193 | 195 |   | 195 | 219 |   | 195 | 219 |   | 193 | 213 |   | 193 | 213 |   | 213 | 219 |   | 213 | 219 |   | 195 | 213 |
|  | *ssrVrZAG112* |  | 240 | 249 |   | 249 | 249 |   | 249 | 249 |   | 249 | 249 |   | 249 | 249 |   | 247 | 249 |   | 240 | 249 |   | 249 | 249 |   | 240 | 247 |   | 247 | 249 |
|  | *ssrVrZAG67* |  | 124 | 158 |   | 124 | 139 |   | 124 | *124* |   | 139 | 158 |   | 139 | 158 |   | 139 | 158 |   | 124 | *124* |   | 124 | 139 |   | 124 | *124* |   | 139 | 139 |
|  | *VVMD27* |  | 186 | 188 |   | 186 | 188 |   | 186 | 201 |   | 186 | 186 |   | 186 | 186 |   | 186 | 188 |   | 188 | 201 |   | 186 | 186 |   | 186 | 186 |   | 186 | 201 |
|  | *VVMD5* |  | 222 | 224 |   | 222 | 231 |   | 222 | 231 |   | 224 | 231 |   | 222 | 264 |   | 224 | 231 |   | 224 | 231 |   | 222 | 264 |   | 224 | 264 |   | 231 | 264 |
|  | *VVS2* |  | 133 | 141 |   | 135 | 141 |   | 141 | 141 |   | 141 | 141 |   | 133 | 141 |   | 133 | 135 |   | 135 | 141 |   | 135 | 141 |   | 133 | 135 |   | 135 | 141 |
|  | *ssrVrZAG83* |  | 194 | 200 |   | 194 | 216 |   | 194 | 216 |   | 174 | 194 |   | 194 | 216 |   | 200 | 216 |   | 174 | 200 |   | 194 | 216 |   | 174 | 194 |   | 174 | 216 |
|  | *VVMD28* |  | 241 | 266 |   | 233 | 241 |   | 219 | 241 |   | 219 | 241 |   | 219 | 241 |   | 219 | 241 |   | 219 | 241 |   | 219 | 241 |   | 233 | 241 |   | 219 | 233 |
|  | *VVIh54* |  | 169 | 169 |   | 169 | *169* |   | — | — |   | 169 | *169* |   | 169 | *169* |   | 145 | 169 |   | 169 | *169* |   | 169 | *169* |   | 169 | *169* |   | 145 | 145 |
|  | *VVIn73* |  | 264 | 266 |   | 264 | 266 |   | 254 | 266 |   | 254 | 264 |   | 264 | 266 |   | 264 | 266 |   | 254 | 266 |   | 254 | 264 |   | 266 | 266 |   | 254 | 266 |
|  | *VMC1b11* |  | 173 | 194 |   | 194 | 194 |   | 194 | 194 |   | 175 | 194 |   | 173 | 175 |   | 173 | 175 |   | 173 | 175 |   | 173 | 175 |   | 173 | 175 |   | 175 | 194 |
|  | *VVMD25* |  | 253 | 254 |   | 235 | 253 |   | 253 | 261 |   | 253 | 261 |   | 254 | 261 |   | 235 | 254 |   | 253 | 261 |   | 235 | 253 |   | 235 | 254 |   | 235 | 261 |
|  | *VVIp31* |  | 190 | 194 |   | 194 | 204 |   | 190 | 190 |   | 194 | 204 |   | 190 | 204 |   | 190 | 190 |   | 190 | 204 |   | 190 | 194 |   | 190 | 204 |   | 190 | 204 |
|  | *VVMD7* |  | 229 | 237 |   | 237 | 255 |   | 237 | 255 |   | 229 | 255 |   | 229 | 255 |   | 229 | 237 |   | 229 | 237 |   | 229 | 229 |   | 229 | 229 |   | 229 | 255 |
|  | *VVIb01* |  | 294 | 300 |   | 290 | 294 |   | 290 | 300 |   | 290 | 294 |   | 294 | 294 |   | 290 | 300 |   | 290 | 300 |   | 290 | 300 |   | 294 | 294 |   | 290 | 294 |
|  | *VVIq52* |  | 84 | 88 |   | 82 | 84 |   | 84 | 84 |   | 82 | 84 |   | 84 | 84 |   | 82 | 84 |   | 84 | 88 |   | 84 | 84 |   | 84 | 84 |   | 82 | 84 |
|  | *VVMD24* |  | 202 | 212 |   | 202 | 206 |   | 202 | 206 |   | 202 | 206 |   | 202 | 206 |   | 202 | 206 |   | 206 | 212 |   | 202 | 206 |   | 206 | 212 |   | 206 | 206 |
|  | *VVIp60* |  | 313 | 321 |   | 309 | 313 |   | 321 | 325 |   | 313 | 325 |   | 313 | 325 |   | 313 | 325 |   | 309 | 321 |   | 309 | 313 |   | 313 | 325 |   | 309 | 325 |
|  | *VVMD32* |  | 238 | 254 |   | 254 | *254* |   | 254 | *254* |   | 252 | 254 |   | 254 | *254* |   | 238 | *238* |   | 238 | 252 |   | 238 | *238* |   | 238 | 252 |   | 252 | 252 |
|  | *VVIn16* |  | 154 | 158 |   | 154 | 174 |   | 154 | 174 |   | 150 | 154 |   | 158 | 174 |   | 150 | 158 |   | 154 | 174 |   | 158 | 174 |   | 158 | 174 |   | 150 | 174 |
|  | *VMC4f3.1* |  | 164 | 172 |   | 172 | 211 |   | 164 | 211 |   | 164 | *164* |   | 172 | *172* |   | 172 | *172* |   | 164 | *164* |   | 164 | *164* |   | 164 | *164* |   | 211 | 211 |
|  | *ssrVrZAG79* |  | 252 | 256 |   | 240 | 252 |   | 256 | 256 |   | 240 | 256 |   | 240 | 256 |   | 240 | 256 |   | 252 | 256 |   | 240 | 256 |   | 240 | 256 |   | 240 | 256 |
|  | *VVMD21* |  | 228 | 265 |   | 228 | 228 |   | 220 | 265 |   | 228 | 265 |   | 220 | 265 |   | 228 | 228 |   | 228 | 228 |   | 228 | 228 |   | 220 | 265 |   | 220 | 228 |
|   | *VVIv67* |  | 327 | 363 |   | 344 | 363 |   | 327 | 344 |   | 327 | 344 |   | 327 | 344 |   | 327 | 344 |   | 327 | 344 |   | 327 | 344 |   | 327 | 344 |   | 344 | 344 |

Note: Alleles from 41 B are presented highlighted in light grey, those from 110 R in dark grey, whereas null alleles are presented in italics. Allele size is given in base pairs (bp). The transmission of null alleles in grapevine rootstocks is relatively frequent, as reported in de Andrés et al. (2007) and Laucou et al*.* (2008).