Supplementary Table S2. Multilocus haplotypes in consecutive *Plasmodium vivax* samples collected between 3 and 15 months apart, from the same 12 subjects, during population-wide cross-sectional surveys in Remansinho (Brazil), 2010-12. A1 and A2 denote, respectively, the sizes (in base pairs) of the major and minor alleles detected in a given locus whenever a multiple-clone infection was found.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample (order) | Parasitemia  parasites/uL | Sample collection date | *MS1* | | *MS2* | | *MS3* | | *MS4* | | *MS5* | | *MS6* | | *MS7* | | *MS8* | | *MS9* | | *MS10* | | *MS12* | | *MS15* | | *MS16* | | *MS20* | | *msp1* | | Proportion of alleles shared with sample 1 | Proportion of alleles shared with sample 2 |
| A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 | A1 | A2 |
| 20 (1) | 755 | Mar-10 | 234 |  | 210 |  | 170 |  | 195 |  | 175 | 169 | 249 |  | 145 |  | 252 |  | 173 |  | 237 |  | 215 |  | 257 |  | 258 |  | 201 |  | 190 |  | - | - |
| 20 (2) | 69 | Mar-11 | 234 |  | 210 |  | 185 |  | 216 |  | 163 |  | 249 |  | 145 |  | 255 | 279 | 173 |  | 246 |  | 215 |  | 239 |  | 258 |  | 213 |  | 205 |  | 7 of 15  46.6% | - |
| 40 (1) | 10 | Mar-10 | 234 |  | 234 |  | 191 |  | 195 |  | 166 |  | 249 |  | 145 |  | 255 |  | 170 |  | 195 |  | 236 |  | 233 |  | 190 |  | 219 |  | 190 |  | - | - |
| 40 (2) | 546 | Jun-10 | 234 |  | 210 |  | 188 |  | 192 |  | 175 |  | 234 |  | 142 | 145 | 279 | 252 | 170 |  | 192 |  | 212 |  | 257 |  | 285 | 198 | 201 |  | 190 |  | 4 of 15  26.6% | - |
| 45 (1) | 10 | Mar-11 | 234 |  | 198 |  | 170 |  | 192 |  | 184 | 169 | 213 |  | 145 |  | 237 | 213 | 158 |  | 192 | 222 | 236 |  | 251 |  | 303 |  | 204 |  | 214 |  | - | - |
| 45 (2) | 1419 | Oct-11 | 234 |  | 198 | 202 | 194 |  | 195 |  | 190 | 169 | 249 |  | 148 |  | 255 |  | 170 |  | 195 |  | 236 |  | 239 |  |  |  | 201 |  | 190 |  | 5 of 14  35.7% | - |
| 95 (1) | 2015 | Apr-10 | 219 | 216 | 234 | 246 | 167 | 173 | 195 |  | 199 | 196 | 249 |  | 145 |  | 255 | 225 | 146 | 149 | 237 |  | 212 |  | 257 | 266 |  |  | 201 |  |  |  | - | - |
| 95 (2) | 5 | Jul-10 | 213 | 219 | 194 | 206 | 170 | 176 | 219 |  | 169 |  | 249 |  | 136 |  | 255 |  | 149 | 158 | 198 | 207 | 209 | 212 | 263 |  |  |  | 201 |  |  |  | 6 of 13  46.15% | - |
| 131 (1) | 17 | Oct-11 | 234 |  | 202 |  | 191 |  | 192 |  | 169 |  | 249 |  | 145 |  | 255 |  | 158 |  | 195 |  | 215 |  | 239 |  | 255 |  | 201 |  | 202 |  | - | - |
| 131 (2) | 1850 | Apr-12 | 234 |  | 202 |  | 191 |  | 192 |  | 172 |  | 237 | 249 | 145 |  | 279 |  | 155 |  | 192 |  | 215 |  | 239 |  | 258 |  | 201 |  | 202 |  | 10 of 15  66.6% | - |
| 155 (1) | 6 | Apr-10 | 231 |  | 210 | 234 | 185 | 200 | 192 |  | 169 |  | 237 |  | 145 |  | 255 |  | 158 |  | 222 | 213 | 218 |  | 257 |  | 285 |  | 201 |  | 106 | 205 | - | - |
| 155 (2) | 137 | Jul-10 | 234 |  | 198 |  | 191 |  | 216 |  | 169 |  | 249 |  | 145 | 151 | 252 |  | 158 | 161 | 222 |  | 209 |  | 251 | 263 | 303 |  | 201 |  | 215 |  | 5 of 15  33.3% | - |
| 159 (1) | 6969 | Apr-10 | 234 |  | 210 |  | 185 |  |  |  | 175 |  | 240 |  | 142 |  | 252 |  | 158 |  | 237 |  | 230 |  | 239 |  | 285 |  |  |  | 190 |  | - | - |
| 159 (2) | 129 | Jul-10 | 240 |  | 210 |  | 161 |  | 192 |  | 172 | 175 | 210 |  | 145 |  | 207 |  | 158 |  | 222 |  | 215 |  | 233 |  | 285 | 174 | 201 |  | 205 | 229 | 3 of 13  23% | - |
| 159 (3) | 184 | Oct-11 | 234 |  | 202 |  | 191 |  | 195 |  | 172 |  | 237 |  | 145 |  | 279 |  | 158 |  | 192 |  | 215 |  | 239 |  | 255 |  | 201 |  | 202 | 226 | 3 of 13  23% | 5 of 15  33.3% |
| 171 (1) | 319 | Apr-10 | 234 | 240 | 210 |  | 191 |  | 192 |  | 172 |  | 249 |  | 145 |  | 255 |  | 158 | 161 | 192 |  | 215 | 218 | 257 |  | 261 | 285 | 201 |  | 205 | 190 | - | - |
| 171 (2) | 598 | Jul-10 | 240 |  | 218 |  | 191 |  | 195 |  | 175 |  | 210 |  | 145 |  | 252 |  | 158 | 173 | 237 |  | 215 |  | 233 |  | 261 |  | 213 |  | 220 |  | 6 of 15  40% | - |
| 183 (1) | 52 | Apr-10 | 237 | 225 | 202 | 246 | 170 | 191 | 195 |  | 181 | 187 | 249 |  | 145 | 154 | 255 |  | 158 |  | 222 |  | 212 | 248 | 233 |  | 261 |  | 204 |  | 217 | 202 | - | - |
| 183 (2) | 870 | Jul-10 | 234 |  | 198 |  | 191 |  | 216 |  | 175 | 187 | 249 |  | 148 |  | 252 | 255 | 161 |  | 207 | 216 | 212 |  | 272 |  | 303 |  | 201 |  | 214 |  | 5 of 15  33.3% | - |
| 183 (3) | 39 | Apr-11 | 240 |  | 210 |  | 188 |  | 192 |  | 199 |  | 249 |  | 145 |  | 255 |  | 158 |  | 237 |  | 218 |  | 233 |  | 285 |  | 207 |  | 205 |  | 5 of 15  33.3% | 2 of 15  13.3% |
| 263 (1) | 54 | Apr-11 | 234 |  | 198 |  | 188 |  | 198 |  | 169 |  | 249 |  | 148 |  | 252 |  | 161 |  | 189 |  | 212 |  | 233 |  | 303 | 207 | 204 |  | 214 |  | - | - |
| 263 (2) | 21 | Oct-11 | 234 |  | 198 |  | 167 |  | 195 |  | 166 | 187 | 249 |  | 148 |  | 255 | 216 | 170 |  | 195 |  | 236 |  | 239 |  | 255 |  | 201 |  | 190 |  | 4 of 15  26.6% | - |
| 374 (1) | 26 | Mar-11 | 231 |  | 246 | 202 | 170 | 176 |  |  | 175 | 184 | 222 | 234 | 160 | 166 | 234 | 255 | 158 | 167 |  |  | 263 | 266 | 218 |  |  |  | 195 | 201 |  |  | - | - |
| 374 (2) | 206 | Oct-11 | 234 |  | 202 |  | 191 |  | 192 |  | 172 |  | 237 | 249 | 145 |  | 279 |  | 158 |  | 192 |  | 215 |  | 239 |  | 258 |  | 201 |  | 202 |  | 3 of 11  27.2% | - |
| 1005 (1) | 1378 | Apr-12 | 234 |  | 198 |  | 191 |  | 195 |  | 199 |  | 249 |  | 145 |  | 255 |  | 170 |  | 195 |  | 236 |  | 257 |  | 258 |  | 219 |  | 190 |  | - | - |
| 1005 (2) | 5 | Oct-12 | 234 | 219 | 202 |  | 191 |  |  |  | 187 |  | 249 |  | 148 |  | 252 | 255 | 161 |  | 237 |  | 212 |  | 239 |  | 303 |  | 201 |  | 214 |  | 4 of 14  28.5% | - |