Suplementary Table S1. Types of repeats found in 14 microsatellites markers of *Plasmodium vivax* in isolates from Remansinho (Brazil; this study) in Sri Lanka (Karunaweera *et al.*, 2007).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Locus | Region | Repeat type | Sample ID | Repeat Sequence |
| *MS1* | Remansinho, Brazil | Perfect | 43D | (GAA)9 |
|  |  | 92 | (GAA)11 |
|  |  | 149 | (GAA)12 |
|  |  | 273C | (GAA)9 |
|  |  | 1005E | (GAA)9 |
|  | Sri Lanka | SL8 | (GAA)11 |
|  |  | SL1 | (GAA)11 |
| *MS2* | Remansinho, Brazil | Interrupted | 43D | (TAAA)2 TATA (TAAA)2 TATA (TAAA)9 |
|  |  | 92 | (TAAA)2 TATA (TAAA)2 TATA (TAAA)10 |
|  |  | 273C | (TAAA)2 TATA (TAAA)5 TATA (TAAA)6 |
|  |  | 1005E | (TAAA)2 TATA (TAAA)2 TATA (TAAA)9 |
|  | Sri Lanka | SL1 | (TAAA)3 TATA (TAAA)2 TATA (TAAA)6 |
|  |  | SL8 | (TAAA)2 TATA (TAAA)5 TATA (TAAA)2 TATA (TAAA)7 |
| *MS3* | Remansinho, Brazil | Perfect | 43D | (GAA)11 |
|  |  | 273C | (GAA)10 |
|  |  | 1005E | (GAA)10 |
|  | Sri Lanka | SL8 | (GAA)7 |
|  |  | SL19 | (GAA)7 |
| *MS4* | Remansinho, Brazil | Perfect | 43D | (AGT)7 |
|  |  | 92 | (AGT)6 |
|  |  | 99 | (AGT)5 |
|  |  | 273C | (AGT)8 |
|  |  | 1005E | (AGT)7 |
|  | Sri Lanka | SL8 | (AGT)8 |
|  |  | SL2 | (AGT)7 |
| *MS5* | Remansinho, Brazil | Compound | 43D | (CCTCTT)2 (CCT)5 |
|  |  | 273C | (CCTCTT)2 (CCT)5 |
|  |  | 1005E | (CCTCTT)2 (CCT)5 |
|  | Sri Lanka | SL8 | CCTCTT (CCT)5 |
|  |  | 347 | CCT(CTT)2 (CCT)10 |
| *MS6* | Remansinho, Brazil | Compound | 43D | (TCC)2 (TCT)2 (CCT)2 (TCC)2 GCTTCT |
|  |  | 92 | (TCC)2 (TCT)3 (CCT)2 (TCC)2 GCTTCT (TCC)7 |
|  |  | 273C | (TCC)2 (TCT)3 (CCT)2 (TCC)2 GCTTCT |
|  |  | 1005E | (TCC)2 (TCT)3 (CCT)2 (TCC)2 GCTTCT |
|  | Sri Lanka | SL8 | (TCC)2 (TCT)3 (CCT)2 (TCC)2 GCTTCT (TCC)12 |
|  |  | SL14 | (TCC)2 (TCT)3 (CCT)2 GCTTCT (TCC)8 GCT(TCT)2 |
| *MS7* | Remansinho, Brazil | Perfect | 92 | (GAA)6 |
|  |  | 273C | (GAA)7 |
|  |  | 1005E | (GAA)6 |
|  | Sri Lanka | SL6 | (GAA)6 |
|  |  | SL14 | (GAA)9 |
| *MS8* | Remansinho, Brazil | Compound | 43D | (CAG)2 (CAA)16 |
|  |  |  | 273C | (CAG)2 (CAA)29 |
|  | Sri Lanka |  | SL8 | (CAG)5 (CAA)17 |
|  |  |  | SL19 | (CAG)5 (CAA)17 |
| *MS9* | Remansinho, Brazil | Perfect | 273C | (GAA)7 |
|  |  | 1005E | (GAA)5 |
|  | Sri Lanka | SL1 | (GAA)10 |
|  |  | SL2 | (GAA)7 |
| *MS10* | Remansinho, Brazil | Complex (Compound and interrupted) | 43D | GAA (GGA)2 AGA (GGA)4 AGA (GGA)4 AGAGGAAAA (GGA)2 (AGA)11 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | 92 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)4 AGAGGAAAA (GGA)2 (AGA)10 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | 99 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)4 AGAGGAAAA (GGA)2 (AGA)7 AGG (AGA)2 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | 273C | GAA (GGA)2 AGA (GGA)4 AGA (GGA)11 AGAGGAAGA (GGAAAA)4 (GGA)2 (AGA)10 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  | Sri Lanka | SL1 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)9 AGAGGAAGA (GGAAAA)2 GGA (AGA)13 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL2 | GAA (GGA)4 AGAGGAAGA (GGAAAA)2 GGA (AGA)13 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL3 | GAA (GGA)4 AGAGGAAGA (GGAAAA)2 GGA (AGA)13 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL6 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)6 AGAGGAAGA (GGAAAA)2 GGA (AGA)12 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL14 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)4 AGAGGAAAA (GGA)2 (AGA)6 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL16 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)6 AGAGGAAGA (GGAAAA)2 GGA (AGA)8 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL19 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)4 AGAGGAAAA (GGA)2 (AGA)6 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
|  |  | SL20 | GAA (GGA)2 AGA (GGA)4 AGA (GGA)4 AGAGGAAAA (GGA)2 (AGA)6 (GGA)3 (AGA)2 GGAAGA (GGA)2 |
| *MS12* | Remansinho, Brazil | Compound | 43D | (GCA)4 (GAA)15 |
|  |  | 92 | (GCA)4 (GAA)8 |
|  |  | 149 | (GCA)4 (GAA)7 |
|  |  | 273C | (GCA)4 (GAA)6 |
|  |  | 1005E | (GCA)4 (GAA)15 |
|  | Sri Lanka | SL3 | (GCA)4 (GAA)8 |
|  |  | SL4 | (GCA)3 (GAA)6 |
|  |  | SL6 | (GCA)5 (GAA)10 |
|  |  | SL10 | (GCA)4 (GAA)12 |
|  |  | SL12 | (GCA)4 (GAA)12 |
|  |  | SL14 | (GCA)4 (GAA)9 |
|  |  | SL20 | (GCA)4 (GAA)8 |
| *MS15* | Remansinho, Brazil | Perfect | 43D | (TCT)5 |
|  |  | 92 | (TCT)12 |
|  |  | 273C | (TCT)4 |
|  |  | 1005E | (TCT)12 |
|  | Sri Lanka | SL14 | (TCT)12 |
|  |  | SL19 | (TCT)12 |
| *MS16* | Remansinho, Brazil | Complex (Compound and interrupted) | 43D | (ACA)11 GCAATC (ACA)2 (GCA)2 (ACA)4 ACC (ACA)3 GCAATC (ACA)2 ACC (ACA)6 AAA (ACA)7 |
|  |  | 273C | (ACA)7 GCA (ACA)4 (GCA)7 (ACA)11 (GCA)2 (ACA)6 ACC (ACA)5 GCAATC (ACA)2 GCA (ACA)3 (GCA)2 (ACA)6 ACC (ACA)3 GCAATC (ACA)15 |
|  | Sri Lanka | SL14 | ACC (ACA)4 ACC (ACA)2 ACC (ACA)2 ACC (ACA)2 ACC (ACA)2 ACC (ACA)8 |
|  |  | SL12 | (ACA)2 ACGGCA (ACA)2 ACGGCA (ACA)5 ACGGCA (ACA)4 GGTGCATTATAAACC (ACA)4 ACC (ACA)2 ACC (ACA)2 ACC (ACA)2 ACC (ACA)4 |
|  |  | SL10 | (ACA)2 ACGGCA (ACA)2 ACGGCA (ACA)5 ACGGCA (ACA)5 GTTGCATTATAAACC (ACA)4 ACC (ACA)4 ACC (ACA)2 ACC (ACA)2 ACC (ACA)2 ACC (ACA)2 |
| *MS20* | Remansinho, Brazil | Complex (Compound and interrupted) | 43D | (GAA)12 GAG (GAA)10 (CAA)8 |
|  |  | 92 | (GAA)8 AAA (GAA)3 GAG (GAA)9 (CAA)9 |
|  |  | 149 | (GAA)12 GAG (GAA)9 (CAA)9 |
|  |  | 273C | (GAA)13 GAG (GAA)8 (CAA)9 |
|  | Sri Lanka | SL14 | (GAA)11 GAG (GAA)10 (CAA)17 |
|  |  | SL19 | (GAA)8 (CAA)9 |