

**Table S1:** Primers for genotyping the PvCSP+PvTRAP double transgenic parasite

Primer No.	Description	Primer sequences
1046	Pb5'CSP pro Int. F	TTGATAACCCTCACATAAGACAATCC
1047	Pb3'CSP UTR Int. R	TCGATATCGTCATAGCAAGTAACTAC
1048	hDHFR-yFCU (+/-SM) F	ATCATGCAAGACTTTGAAAGTGAC
1049	hDHFR-yFCU (+/-SM) R	CATCGATTACCAGCTCTGAC
1054	PbCSP F	CCAAAGGAACTTAAACGAGCTATG
1055	PbCSP R	CTTATACCAGAACCACATGTTACG
1114	Pb5'TRAP pro Int. F	AAATTGCCCCCTTTTTGTGTTC
1117	Pb3'TRAP UTR Int. R	AATGACTCCAGACATAATAACACAGATATG
1118	PbTRAP F	ATGGCTCAGGAAGTATTGGTC
1119	PbTRAP R	ACCTATGCATCCAATTATAGCTAATC
1229	PvCSP-VK210 F	TTATTTCCAACACATTGTGGACATAATG
1230	PvCSP-VK210 R	AGCACATTTATCCATTGTACATACATCTG
1233	PvTRAP F	ACAAATATGACAGCAGCATTAGATGAAG
1234	PvTRAP R	CTTCATCAAATGGTGCTGGTTC
1235	PvTRAP 5'int. R	TCTAATGCTGCTGTCATATTTGTTGTTC
1236	PvTRAP 3'int. F	ATAGTGCAAGAGATAGATATGCAAGAC