

	170	180	190	200	210	220	230	240
PFD0100c_3D7_exon1	TTAATTATT	TATTGATGAT	ATGAAAGATG	AGTTTCTCAC	GTCTTCATTA	ATACGTCTCC	CCAAAAAATT	AAGAAAGCAA
PFD0100c_exon1_Kilifi_062
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250T...G	.....
PFD0100c_exon1_Kilifi_314T...G	.....
PFD0100c_exon1_Kilifi_093T	.....
PFD0100c_exon1_Kilifi_128T	.....
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290T	.....
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299T	.....
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298T	.....
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406T	.....
PFD0100c_exon1_Kilifi_510T	.....
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321T	.....
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344T	.....
PFD0100c_exon1_Kilifi_240T	.....
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356T	.....
PFD0100c_exon1_Kilifi_528T	.....
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057T	.....
PFD0100c_exon1_Kilifi_194T	.....
PFD0100c_exon1_Kilifi_045T	.....
PFD0100c_exon1_Kilifi_214T	.....
PFD0100c_exon1_Kilifi_020T...G	.....
PFD0100c_exon1_Kilifi_023T	.....
PFD0100c_exon1_Kilifi_052T	.....
PFD0100c_exon1_Kilifi_340T	.....
PFD0100c_exon1_Kilifi_027T...G	.....
PFD0100c_exon1_Kilifi_097T	.....
PFD0100c_exon1_Kilifi_187T...G	.....
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310T	.....
PFD0100c_exon1_Kilifi_302
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333T	.....
PFD0100c_exon1_Kilifi_311
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110
PFD0100c_exon1_Kilifi_348T...G	.....
PFD0100c_exon1_Kilifi_124
<i>Plasmodium reichenowi</i> _exon1C..T..	.A..AA..CG	...A.....T	.TCC.G	.....

	250	260	270	280	290	300	310	320
PFD0100c_3D7_exon1	TTATGGGAAA	GTGAAGTTGA	TGAAAATTTA	CCAAATTTAA	TGGCTACAAC	TACACATAAT	AAGTGTCTAA	GAACAGAACA
PFD0100c_exon1_Kilifi_062C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_091C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_250C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_314	A.....	.A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_093C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_128C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_186C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_345C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_202C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_290C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_304C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_299C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_082C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_334C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_298C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_105A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_406C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_510C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_164	A.....	.A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_321C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_050C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_344C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_240C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_028C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_356C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_528C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_364C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_057C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_194C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_045C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_214C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_020	A.....	.A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_023C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_052C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_340C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_027	A.....	.A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_097A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_187	A.....	.A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_201A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_310C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_302C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_324C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_333C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_311C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_297C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_319C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_289C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_247C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_110C.....	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_348	A.....	.A...C...	.....	.....	.....	.....A.....	.....
PFD0100c_exon1_Kilifi_124C.....	.....	.....	.....	.....A.....	.....
<i>Plasmodium reichenowi</i> _exon1A.....	..C..AC.T.	AT.G..G..G	.....	.....A.....	.....

	490	500	510	520	530	540	550	560
PFD0100c_3D7_exon1	CAAATGAATA	AATTAGATAT	TTCAAAAATA	AAACAATATT	TGGAAAAGTC	AAAGTCAAAA	TGTGATATAA	ATGATTTAGA
PFD0100c_exon1_Kilifi_062	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_091	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_250	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_314	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_093	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_128	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_186	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_345	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_202	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_290	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_304	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_082	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_334	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_298	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_105	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_510	.....G.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_164	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_321	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_050	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_344	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_240	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_028	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_528	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_364	.....G.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_194	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_045	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_214	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_020	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_023	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_052	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_340	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_027	.....G.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_097	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_187	.....G.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_310	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_302	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_324	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_333	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_311	.....G.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_297	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_319	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_247	.....G.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_110	.....G.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_348	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD0100c_exon1_Kilifi_124	.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	A.....	.....C.....	.....G.....	.....	.....	.....	.....	.....T.....

	570	580	590	600	610	620	630	640
PFD0100c_3D7_exon1	TAATTTAGAT	ACATTTTTTT	CCCATGTAAA	TCCAAAAGAT	ATGAAGGGAA	GTGAAGAGGA	TCCAAGAAAT	CCTCAGGAAG
PFD0100c_exon1_Kilifi_062
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250
PFD0100c_exon1_Kilifi_314
PFD0100c_exon1_Kilifi_093
PFD0100c_exon1_Kilifi_128
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406
PFD0100c_exon1_Kilifi_510	T.....	.....	.....	A.....	.....
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344
PFD0100c_exon1_Kilifi_240
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356	A.....	.....
PFD0100c_exon1_Kilifi_528	T.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057
PFD0100c_exon1_Kilifi_194
PFD0100c_exon1_Kilifi_045
PFD0100c_exon1_Kilifi_214
PFD0100c_exon1_Kilifi_020
PFD0100c_exon1_Kilifi_023
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340
PFD0100c_exon1_Kilifi_027	T.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_097
PFD0100c_exon1_Kilifi_187	T.....	.....	.....	A.....	.....
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333
PFD0100c_exon1_Kilifi_311	T.....	.....	.....	A.....	.....
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110	T.....	.....	.....	A.....	.....
PFD0100c_exon1_Kilifi_348	T.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_124
<i>Plasmodium reichenowi</i> _exon1G.....	.....	.....	.....	.....	A.....

	650	660	670	680	690	700	710	720
PFD0100c_3D7_exon1	AAGAGCACAA	AAGAGATGAA	TATCAAGTTT	TAAATAGTAC	AGTTGAAGAA	GGTGATGAAT	ATGTTGATAG	AATAAATATC
PFD0100c_exon1_Kilifi_062
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250
PFD0100c_exon1_Kilifi_314
PFD0100c_exon1_Kilifi_093
PFD0100c_exon1_Kilifi_128
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406
PFD0100c_exon1_Kilifi_510
PFD0100c_exon1_Kilifi_164C.....	.....A.....	.....
PFD0100c_exon1_Kilifi_321
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344
PFD0100c_exon1_Kilifi_240
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057
PFD0100c_exon1_Kilifi_194
PFD0100c_exon1_Kilifi_045
PFD0100c_exon1_Kilifi_214
PFD0100c_exon1_Kilifi_020C.....	.....A.....	.....
PFD0100c_exon1_Kilifi_023
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340
PFD0100c_exon1_Kilifi_027
PFD0100c_exon1_Kilifi_097
PFD0100c_exon1_Kilifi_187
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333
PFD0100c_exon1_Kilifi_311
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110C.....	.....A.....	.....
PFD0100c_exon1_Kilifi_348
PFD0100c_exon1_Kilifi_124
<i>Plasmodium reichenowi</i> _exon1	.....G	.....T.....	.....T.A.....	.....T.....	.....	.....G	GG.....	.....A.....

	730	740	750	760	770	780	790	800
PFD0100c_3D7_exon1	CTTTCTACAG	AAACAGGCGA	AGCGACACCA	AATATTCAAG	AAGAACCTTT	AAGGGTTACT	CCTCATGGAG	GG---GATAA
PFD0100c_exon1_Kilifi_062	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_091	.....	.....	.....	.....	.....	.....	.....	.....G.
PFD0100c_exon1_Kilifi_250	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_314	.C.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_128	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_186	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_202	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_290	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_304	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_082	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_334	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_298	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_105	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_510	.C.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_164	.C.....T..	.....	..A.....	.....	.....	.....	.....	.....G.
PFD0100c_exon1_Kilifi_321	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_344	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_240	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_028	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_356	.C.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_528	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_194	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_045	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_214	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_020	.C.....T..	.....	..A.....	.....	.....	.....	.....	.....G.
PFD0100c_exon1_Kilifi_023	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_052	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_340	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_027	.C.....	.....	.....	.....	.....	.....	.....	.....G.
PFD0100c_exon1_Kilifi_097	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_187	.C.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_310	.C.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_302	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_324	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_333	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_311	.C.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_319	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_247	.....	.....	.....	.....	.....	.....	.....	.....G.
PFD0100c_exon1_Kilifi_110	.C.....T..	.....	..A.....	.....	.....	.....	.....	.....G.
PFD0100c_exon1_Kilifi_348	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_124	.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	.C.....T..	.....C..C.	..A.....	GT.G.....	.....T....	.....	A.C.....	AGCG.....

	810	820	830	840	850	860	870	880
PFD0100c_3D7_exon1	TCATGTTAAA	ACACCTCCTA	CAATTGTAAA	GACTGAAGTA	GGTAATGATA	ATCGAGAGAA	TGTAGTTTCT	ACTGCTGGTA
PFD0100c_exon1_Kilifi_062
PFD0100c_exon1_Kilifi_091	A.	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_250
PFD0100c_exon1_Kilifi_314
PFD0100c_exon1_Kilifi_093
PFD0100c_exon1_Kilifi_128
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298	T.	.....	.....	G.	.....	.....	.....
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406	T.	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_510	C.	.....
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344
PFD0100c_exon1_Kilifi_240
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057
PFD0100c_exon1_Kilifi_194
PFD0100c_exon1_Kilifi_045
PFD0100c_exon1_Kilifi_214
PFD0100c_exon1_Kilifi_020
PFD0100c_exon1_Kilifi_023
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340
PFD0100c_exon1_Kilifi_027	A.	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_097
PFD0100c_exon1_Kilifi_187
PFD0100c_exon1_Kilifi_201	G.	.....	.....	.....
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333
PFD0100c_exon1_Kilifi_311
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110	T.	T.	A.	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_348
PFD0100c_exon1_Kilifi_124
<i>Plasmodium reichenowi</i> _exon1	..C...G.	.....G	.....	A.....A.	.....A...	..A.....	..C.....	..A...A.

	890	900	910	920	930	940	950	960
PFD0100c_3D7_exon1	AAAGATTAAA	TAGAGGTAAA	CCAAATAAAG	ATGGGGTTCC	ACATACATCT	AGATTTAAAA	CACCTAAAGT	TAGTGCACCT
PFD0100c_exon1_Kilifi_062A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_091A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_250	G.....	.....A..G..	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_314	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_093	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_128	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_186	G.....	.....	.....G..	.....	A.....	.....	G..G.....
PFD0100c_exon1_Kilifi_345A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_202A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_290A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_304A..G..	.....	A.....	.....	G..G.....
PFD0100c_exon1_Kilifi_299	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_082A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_334A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_298A..G..	.....	A.....	.....	G..G.....
PFD0100c_exon1_Kilifi_105A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_406A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_510AT..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_164A..G..	.....	A.....	.....	G..G.....
PFD0100c_exon1_Kilifi_321A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_050	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_344	G..G.....
PFD0100c_exon1_Kilifi_240	A.....	.....	G..G.....
PFD0100c_exon1_Kilifi_028	G.....	.....	.....	.....	.....	.....	G..G.....
PFD0100c_exon1_Kilifi_356A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_528	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_364A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_057A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_194	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_045A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_214A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_020A.....	.....T.....	.....G...G..A	.....	A.....	.....	G...T...
PFD0100c_exon1_Kilifi_023A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_027	G.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_097	G.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_187	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_201	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_310	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_302A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_324A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_333A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_311	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_297	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_319	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_289	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_247	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_110A..G..	.....	.....	G..G.....
PFD0100c_exon1_Kilifi_348	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
PFD0100c_exon1_Kilifi_124	G.....	.....	.....	.....A..	AG.....	.....	G..G.....
<i>Plasmodium reichenowi</i> _exon1	C.....CT..	.CT.....	.....	.....A..G..A	.....	A.....	AG...G..	....C.....A....

	970	980	990	1000	1010	1020	1030	1040
PFD0100c_3D7_exon1	.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|						
	GCTGGAGGGA	AAAAATCTAA	AAATGCAAGA	GATAGTACTG	AACCAAAACA	TCATAAGGAA	AAAGGAAAAT	ATGATAGGAT
PFD0100c_exon1_Kilifi_062	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_091	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_250	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_314	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_093	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_128	.....A.....	.....	.....TT.....	.....GG.A.....	.....	.....A.A.C.....	.....AC.TC.....	.....C.....
PFD0100c_exon1_Kilifi_186	.....A.....	.....	.....	.....	.....	.....A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_345	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_202	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_290	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_304	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_299	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_082	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_334	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_298	.....A.....	.....	.....	.....	.....	.....A.A.C.....	.....AC.TC.....	.....
PFD0100c_exon1_Kilifi_105	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_406	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_510	.....A.....	.....T.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_164	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_321	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_050	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_344	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_240	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_028	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_356	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_528	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_364	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_057	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_194	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_045	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_214	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_020	.....T.....	.....	.....TT.....	.....GG.A.....	.....	.....A.A.....	.....AC.TC.....	.....C.....
PFD0100c_exon1_Kilifi_023	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_052	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_340	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_027	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_097	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_187	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_201	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_310	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_302	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_324	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_333	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_311	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_297	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_319	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_289	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_247	.....A.....	.....	.....	.....A.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_110	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_348	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
PFD0100c_exon1_Kilifi_124	.....A.....	.....	.....	.....	.....	.....A.A.....	.....A.CC.....	.....
<i>Plasmodium reichenowi</i> _exon1	.....T.....	.....G.....	.....A.....	.....G.....	.....	.....G.A.A.....	.....AC.TC.....	.....A.....

	1050	1060	1070	1080	1090	1100	1110	1120
PFD0100c_3D7_exon1	TAAAAAACA	AGCGAACAAA	TAAATAAATA	CGCTCATCCT	AATAATAAAT	ATACTATCPT	TCAGTGACT	GATTAGATT
PFD0100c_exon1_Kilifi_062	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_091	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_250	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_314	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_093	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_128	..GG.....	.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_186	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_345	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_202	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_290	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_304	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_299	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_082	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_334	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_298	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_105	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_406	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_510	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_164	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_321	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_050	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_344	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_240	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_028	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_356	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_528	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_364	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_057	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_194	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_045	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_214	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_020	..GG.....	..T.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_023	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_027
PFD0100c_exon1_Kilifi_097	C.T.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_187
PFD0100c_exon1_Kilifi_201	C.T.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_310	C.T.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_302	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_324	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_333	C.T.....	.....	C.T.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_311	C.T.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_297	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_247	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_110	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_348	C.T.....	.....	G.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_124	C.T.....	.....	G.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	C.G.G..G..	.AT.....	.....	.....	.....	..G.....	.G.....	.....

	1130	1140	1150	1160	1170	1180	1190	1200
PFD0100c_3D7_exon1	GTAAATGGCT	GAAACCTAAA	CATATTAAT	ATCCATATGA	AGGTTATGAT	ATAGTTGATA	ATGATAAACT	TGTAGATACA
PFD0100c_exon1_Kilifi_062
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250
PFD0100c_exon1_Kilifi_314	....A....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_093
PFD0100c_exon1_Kilifi_128	....A....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406
PFD0100c_exon1_Kilifi_510A.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344
PFD0100c_exon1_Kilifi_240
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356	....A....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057
PFD0100c_exon1_Kilifi_194
PFD0100c_exon1_Kilifi_045
PFD0100c_exon1_Kilifi_214
PFD0100c_exon1_Kilifi_020A.....	.....A.....	.....C.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_023
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340
PFD0100c_exon1_Kilifi_027	....A....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_097
PFD0100c_exon1_Kilifi_187	....A....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333
PFD0100c_exon1_Kilifi_311
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110
PFD0100c_exon1_Kilifi_348
PFD0100c_exon1_Kilifi_124	....A....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	.....AT..	..G.G....	G.....	C...C...	G.....A	G..A.....	G.AC.....	G.....

	1210	1220	1230	1240	1250	1260	1270	1280
PFD0100c_3D7_exon1	GGAAAGGGAG	ATTATGAAGA	TCATCATACA	TATTGTTCTG	GAGATGAATG	TGCATTGGT	AATGCTGTTG	GGGGACAGTT
PFD0100c_exon1_Kilifi_062								A.....
PFD0100c_exon1_Kilifi_091								A.....
PFD0100c_exon1_Kilifi_250								A.....
PFD0100c_exon1_Kilifi_314								A.....
PFD0100c_exon1_Kilifi_093								A.....
PFD0100c_exon1_Kilifi_128								A.....
PFD0100c_exon1_Kilifi_186								A.....
PFD0100c_exon1_Kilifi_345								A.....
PFD0100c_exon1_Kilifi_202								A.....
PFD0100c_exon1_Kilifi_290								A.....
PFD0100c_exon1_Kilifi_304								A.....
PFD0100c_exon1_Kilifi_299								A.....
PFD0100c_exon1_Kilifi_082								A.....
PFD0100c_exon1_Kilifi_334								A.....
PFD0100c_exon1_Kilifi_298								A.....
PFD0100c_exon1_Kilifi_105								A.....
PFD0100c_exon1_Kilifi_406								A.....
PFD0100c_exon1_Kilifi_510								A.....
PFD0100c_exon1_Kilifi_164								A.....
PFD0100c_exon1_Kilifi_321								A.....
PFD0100c_exon1_Kilifi_050								A.....
PFD0100c_exon1_Kilifi_344								A.....
PFD0100c_exon1_Kilifi_240								A.....
PFD0100c_exon1_Kilifi_028								A.....
PFD0100c_exon1_Kilifi_356							T.....	A.....
PFD0100c_exon1_Kilifi_528								A.....
PFD0100c_exon1_Kilifi_364								A.....
PFD0100c_exon1_Kilifi_057								A.....
PFD0100c_exon1_Kilifi_194								A.....
PFD0100c_exon1_Kilifi_045								A.....
PFD0100c_exon1_Kilifi_214								A.....
PFD0100c_exon1_Kilifi_020		T.....	T..A..A.				G...	A.....
PFD0100c_exon1_Kilifi_023								A.....
PFD0100c_exon1_Kilifi_052								A.....
PFD0100c_exon1_Kilifi_340								A.....
PFD0100c_exon1_Kilifi_027								A.....
PFD0100c_exon1_Kilifi_097								A.....
PFD0100c_exon1_Kilifi_187								A.....
PFD0100c_exon1_Kilifi_201								A.....
PFD0100c_exon1_Kilifi_310								A.....
PFD0100c_exon1_Kilifi_302								A.....
PFD0100c_exon1_Kilifi_324								A.....
PFD0100c_exon1_Kilifi_333								A.....
PFD0100c_exon1_Kilifi_311								A.....
PFD0100c_exon1_Kilifi_297								A.....
PFD0100c_exon1_Kilifi_319								A.....
PFD0100c_exon1_Kilifi_289								A.....
PFD0100c_exon1_Kilifi_247								A.....
PFD0100c_exon1_Kilifi_110								A.....
PFD0100c_exon1_Kilifi_348								A.....
PFD0100c_exon1_Kilifi_124								A.....
<i>Plasmodium reichenowi</i> _exon1		T...G...	GCA...A.			G...	T.A..C	AA.AG..TG.

	1290	1300	1310	1320	1330	1340	1350	1360
PFD0100c_3D7_exon1	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|
PFD0100c_exon1_Kilifi_062	TGACGAAAGC	AGATCTCAAG	GTAAGCAAAG	AAGAAAAAAA	GGGAAAGGAA	AGGGTAGAAA	AAAGGTCAT	AATAAATTAG
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250
PFD0100c_exon1_Kilifi_314
PFD0100c_exon1_Kilifi_093
PFD0100c_exon1_Kilifi_128	---.....C..	.....
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345	---.....C..	.....
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082	---.....C..	.....
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298
PFD0100c_exon1_Kilifi_105	---.....C..	.....
PFD0100c_exon1_Kilifi_406
PFD0100c_exon1_Kilifi_510
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321	---.....C..	.....
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344	---.....C..	.....
PFD0100c_exon1_Kilifi_240	---.....C..T	.....
PFD0100c_exon1_Kilifi_028	---.....C..	.....
PFD0100c_exon1_Kilifi_356	---.....C..	.....
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364	---.....C..	.....
PFD0100c_exon1_Kilifi_057G.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_194
PFD0100c_exon1_Kilifi_045
PFD0100c_exon1_Kilifi_214
PFD0100c_exon1_Kilifi_020	...T....TA	G.G..GG...	...T.T..A	.....	.....	.....	A.....	---.....C..
PFD0100c_exon1_Kilifi_023	---.....C..
PFD0100c_exon1_Kilifi_052	---.....C..
PFD0100c_exon1_Kilifi_340
PFD0100c_exon1_Kilifi_027
PFD0100c_exon1_Kilifi_097
PFD0100c_exon1_Kilifi_187	---.....C..	.....
PFD0100c_exon1_Kilifi_201	---.....C..	.....
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302	---.....C..	.....
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333
PFD0100c_exon1_Kilifi_311
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319	---.....C..	.....
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247	---.....C..	.....
PFD0100c_exon1_Kilifi_110
PFD0100c_exon1_Kilifi_348	---.....C..	.....
PFD0100c_exon1_Kilifi_124
<i>Plasmodium reichenowi</i> _exon1	...T.G....	G...T.TC..	A.....G..A	.....	.....	.....	.....C..	---.....C..

	1530	1540	1550	1560	1570	1580	1590	1600
PFD0100c_3D7_exon1	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PFD0100c_exon1_Kilifi_062	AAAAGACGAA	TTTATCATAG	AAGGTGGTCG	TTTTATCCGT	ACATCAATTA	ATGATGTTCC	ACAAATGGAA	GCTATAACTA
PFD0100c_exon1_Kilifi_091	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_250	.....T.	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_314	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_128	...A.ACT.	.....A	...G.G.	GG.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_186	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....C...
PFD0100c_exon1_Kilifi_202	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_290	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_304	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_082	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_334	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_298	.....T.	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_105	.....	.....	.....	.....	.....	.....	.....A.	.....T.....
PFD0100c_exon1_Kilifi_406	.....T.	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_510	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_164	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_321	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_344	...C.AAC.	...G.....	...A...	...G...GGA..	...T.....	...A.CA...	...A.....	...G.T...
PFD0100c_exon1_Kilifi_240	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_028	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_528	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_194	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_045	.....	.....	.....	.....	.....	.....	.....	.....C...
PFD0100c_exon1_Kilifi_214	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_020	...C.AAC.	...G.....	...AAA.AC	...G.A.GAA..	...TGGA....	...G G.....	...A.....	...A.G.T...
PFD0100c_exon1_Kilifi_023	.....T.	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_052	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_340	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_027	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_097	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_187	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_310	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_302	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_324	.....T.	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_333	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_311	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_319	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_247	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_110	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_348	.....	.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_124	.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	T.C...A...	.....	.T..GAA.AC	.G.A.GAAAA	.TTCT.....	G....C....	.A.....	.A.GCT..C.

	1610	1620	1630	1640	1650	1660	1670	1680
PFD0100c_3D7_exon1	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PFD0100c_exon1_Kilifi_062	ACAAATATAT	GCCTGGATCC	ATTTATGAAA	ATCCTTCATC	TGGTAGTTCA	CATATTGAAG	ATAAAGGACA	ATTAAAAGAT
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250G..	.....TT...	.....
PFD0100c_exon1_Kilifi_314
PFD0100c_exon1_Kilifi_093G..	.....TT...	.....
PFD0100c_exon1_Kilifi_128G..	.....TT...	.....
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406
PFD0100c_exon1_Kilifi_510
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344	G..T.G.C.G	C..CAA.GG.	...A....G	T.....	..T.G..G..	.G.G.....	.....G..	.....TT...
PFD0100c_exon1_Kilifi_240
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057G..	.....TT...	.....
PFD0100c_exon1_Kilifi_194G..	.....TT...	.....
PFD0100c_exon1_Kilifi_045G..	.....TT...	.....
PFD0100c_exon1_Kilifi_214G..	.....TT...	.....
PFD0100c_exon1_Kilifi_020	GT.T.G..T.	...CAA.G..	...A....G	T.....	..T.G..G..	...C.....	.....A..	.....TT...
PFD0100c_exon1_Kilifi_023
PFD0100c_exon1_Kilifi_052G..	.....TT...	.....
PFD0100c_exon1_Kilifi_340G..	.....TT...	.....
PFD0100c_exon1_Kilifi_027
PFD0100c_exon1_Kilifi_097G..	.....TT...	.....
PFD0100c_exon1_Kilifi_187
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302TT...	.....
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333G..	.....TT...	.....
PFD0100c_exon1_Kilifi_311C..	.....	.....	.....	.....G..	.....TT...	.....
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289G..	.....TT...	.....
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110G..	.....TT...	.....
PFD0100c_exon1_Kilifi_348G..	.....TT...	.....
PFD0100c_exon1_Kilifi_124
<i>Plasmodium reichenowi</i> _exon1	.A..G...G	C..A..AA.	.....A.G	T.....C.	..T.G..GT.	...A.....	...CG...TC	T...TT.A..

	1690	1700	1710	1720	1730	1740	1750	1760
PFD0100c_3D7_exon1	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|
PFD0100c_exon1_Kilifi_062	TTC	ACTATTG	AAACAGTCAA	ATATACATCA	GATGGACTTA	ATGGATTGA	TCATGAAGAA	CCAGTGACA- --GATCCTAA
PFD0100c_exon1_Kilifi_091G...	.....	.....	.....	.....T.	G.....	.....
PFD0100c_exon1_Kilifi_250T.	G.....	.....
PFD0100c_exon1_Kilifi_314T.	G.....	.....
PFD0100c_exon1_Kilifi_093T.	G.....	.....
PFD0100c_exon1_Kilifi_128GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_186	T.....	.....	.....T.	G.....	.....
PFD0100c_exon1_Kilifi_345T.	G.....	.....
PFD0100c_exon1_Kilifi_202G...	.....	.....	.....	.....T.	G.....	.....
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304T.	G.....	.....
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082T.	G.....	.....
PFD0100c_exon1_Kilifi_334T.	G.....	.....
PFD0100c_exon1_Kilifi_298T.	G.....	.....
PFD0100c_exon1_Kilifi_105T.	G.....	.....
PFD0100c_exon1_Kilifi_406T.	G.....	.....
PFD0100c_exon1_Kilifi_510T.	G.....	.....
PFD0100c_exon1_Kilifi_164T.	G.....	.....
PFD0100c_exon1_Kilifi_321T.	G.....	.....
PFD0100c_exon1_Kilifi_050T.	G.....	.....
PFD0100c_exon1_Kilifi_344GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_240T.	G.....	.....
PFD0100c_exon1_Kilifi_028T.	G.....	.....
PFD0100c_exon1_Kilifi_356T.	G.....	.....
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364T	.....	.....	.....
PFD0100c_exon1_Kilifi_057GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_194T.	G.....	.....
PFD0100c_exon1_Kilifi_045T.	G.....	.....
PFD0100c_exon1_Kilifi_214GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_020	.....C...C	...C.G..T.T	...C...T	...A.AACG	...C...T	.....T.	G.....T	AC.....
PFD0100c_exon1_Kilifi_023T.	G.....T	AC.....
PFD0100c_exon1_Kilifi_052T.	G.....	.....
PFD0100c_exon1_Kilifi_340GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_027T.	G.....	.....
PFD0100c_exon1_Kilifi_097GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_187T.	G.....	.....
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310T.	G.....	.....
PFD0100c_exon1_Kilifi_302	.....C...C	...C.G..T.T	...C...T	...A.AACG	...C...T	.....T.	G.....T	AC.....
PFD0100c_exon1_Kilifi_324T.	G.....	.....
PFD0100c_exon1_Kilifi_333GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_311T.	G.....	.....
PFD0100c_exon1_Kilifi_297T.	G.....	.....
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_247T.	G.....	.....
PFD0100c_exon1_Kilifi_110GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_348GC.G..T.T	...CA...T	...A.AAC.	.....T	.....	.....	.....
PFD0100c_exon1_Kilifi_124T.	G.....	.....
<i>Plasmodium reichenowi</i> _exon1	...T....	...C.G.CT..	...C...AT	..G...AAC.	.....T	.....T.	G.....G	AC.....C.

	1850	1860	1870	1880	1890	1900	1910	1920
PFD0100c_3D7_exon1	ATGGTAGTCC	AATACCACGT	CGACGTTTTT	CAAGAAGCTA	TCCATTAAAT	ACTACAACCTA	CATTGGAAGG	TACATCTCAA
PFD0100c_exon1_Kilifi_062	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_091	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_250	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_314	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_093	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_128	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_186	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_345	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....G
PFD0100c_exon1_Kilifi_202	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_290	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_304	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_299	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_082	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_334	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_298	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_105	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_406	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_510	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_164	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_321	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_050	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_344	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_240	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_028	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_356	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_528	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_364	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_057	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_194	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_045	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_214	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_020	.C...A...	.....A.	.A.G.....	..CC...G..	.T...C...	.G..T...T	..A.A.....	.....A.C
PFD0100c_exon1_Kilifi_023	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_052	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_340	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_027	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_097	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_187	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_201	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_310	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_302	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_324	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_333	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_311	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_297	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_319	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_289	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_247	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_110	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_348	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
PFD0100c_exon1_Kilifi_124	.....A.	.....G	.....G	.....G	.....G	.....G	.....G	.....A.
<i>Plasmodium reichenowi</i> _exon1	.....A.	.....TA.	GA.....	..C...G..	.T...C...	...TG.A.T	..A.A.....	.GA...A.C

	1930	1940	1950	1960	1970	1980	1990	2000
PFD0100c_3D7_exon1	AAACCATCTG	CAGTTGAAAC	AATAATGTC	CTATTTAGAA	ATATTTTGA	TTCTATAAAA	AGTTCTTCAA	TAAC TAGAAG
PFD0100c_exon1_Kilifi_062	.....A	.TA.....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_091	.....A	.....			.T.....			G.....
PFD0100c_exon1_Kilifi_250				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_314					.T.....			G.....
PFD0100c_exon1_Kilifi_093					.T.....			G.....
PFD0100c_exon1_Kilifi_128					.T.....			G.....
PFD0100c_exon1_Kilifi_186				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_345					.T.....			G.....A..
PFD0100c_exon1_Kilifi_202	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_290	.....TA	.....		.....A..	.T.....			G.....
PFD0100c_exon1_Kilifi_304	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_299								G.....
PFD0100c_exon1_Kilifi_082	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_334	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_298	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_105	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_406	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_510	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_164	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_321	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_050	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_344	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_240	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_028	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_356	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_528				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_364				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_057				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_194				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_045				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_214								G.....
PFD0100c_exon1_Kilifi_020	.TGT...A	.A....T	.T...C...T	A..A..G...	.T..G....	.G.C....G.	.A....GT..	.T...A...
PFD0100c_exon1_Kilifi_023	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_052				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_340								G.....
PFD0100c_exon1_Kilifi_027					.T.....			G.....
PFD0100c_exon1_Kilifi_097				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_187						.C....		G.....
PFD0100c_exon1_Kilifi_201				.T.....	.T.....			G.....
PFD0100c_exon1_Kilifi_310	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_302					.T.....			G.....
PFD0100c_exon1_Kilifi_324	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_333	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_311	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_297						.C....		G.....
PFD0100c_exon1_Kilifi_319								G.....
PFD0100c_exon1_Kilifi_289					.T.....			G.....
PFD0100c_exon1_Kilifi_247	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_110					.T.....			G.....
PFD0100c_exon1_Kilifi_348	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
PFD0100c_exon1_Kilifi_124	.....A	.TA....T	.T...C...T	.....GA..	.T.....			G.....
<i>Plasmodium reichenowi</i> _exon1	...T...A	.A....T	.T...G...T	GC...GA..	.T..A.G..	CG.C.....	.....GT..	.....A...

	2010	2020	2030	2040	2050	2060	2070	2080
PFD0100c_3D7_exon1	AAGCGTTAAT	TCAGCTCTTG	AATTTAGTGA	ATCTACAAC	AGGCCTGGAA	ATTCATTTTC	TTTGCCCTCAA	ATGACTTGGG
PFD0100c_exon1_Kilifi_062	CAC.A.T.G.	.C..A..	.....	T....CT.	.....A.A.	.....	.A...T..
PFD0100c_exon1_Kilifi_091	CAC.A.T.G.	.C..A..	.....	T....CT.	.....A.A.	.....	.A...T..
PFD0100c_exon1_Kilifi_250T...	.C..A..	.....	T....CT.	.....A.A.	.....AA....	.A...T..
PFD0100c_exon1_Kilifi_314T...	.C..A..	.....	T....CT.	.....A.A.	.....	.A...T..
PFD0100c_exon1_Kilifi_093	A CAC.A.T.G.	.C..A..	.....	T....CT.	.....T.A.A.	.....	.A...T..
PFD0100c_exon1_Kilifi_128	A CAC.A.T.G.	.C..A..	.....	T....CT.	.....T.A.A.	.....	.A...T..
PFD0100c_exon1_Kilifi_186	CAC.A.T.G.	.C..A..	.....	T....AC..	.....	.A...T..
PFD0100c_exon1_Kilifi_345	T.....	.....T...	.C..A..	.....	T....CT.	.....A.A.	.....AA....
PFD0100c_exon1_Kilifi_202	CA..A.T.G.	.C..A..	.....	T....CT.	.....A.A.	.....	.A...T..
PFD0100c_exon1_Kilifi_290	C..A.T.G.	.C..A..	.....	T....CT.	.....A.A.	.....
PFD0100c_exon1_Kilifi_304	CA..A.T.G.	.C..A..	.....	T.A...CT.	.....C.C.	.....A....	.A...T..
PFD0100c_exon1_Kilifi_299T...	.C..A..	.....	TT...CT.	.....A....	.....	.A...T..
PFD0100c_exon1_Kilifi_082	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....
PFD0100c_exon1_Kilifi_334	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....
PFD0100c_exon1_Kilifi_298	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_105	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_406	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_510	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_164	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_321	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_050	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_344	CA..A.T.G.	.C..A..	.....	...G..G..	T.A..TCC.	G.A.T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_240	CA..A.T.G.	.C..A..	.....	...G..G..	.....TCC.	G....A...	.....
PFD0100c_exon1_Kilifi_028	CA..A.T.G.	.C..A..	.....	...G..G..	.....TCC.	G...T.C.C.	.....GC...
PFD0100c_exon1_Kilifi_356	CA..A.T.G.	.C..A..	.....	.....T	.....AC..	.....A....	.....
PFD0100c_exon1_Kilifi_528	CA..A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_364	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_057	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_194	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_045	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_214	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....A.T..TA.
PFD0100c_exon1_Kilifi_020	AC....	.....	.....	.....	A..G....	A....	.....A.T..TAT
PFD0100c_exon1_Kilifi_023	CA..A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_052	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....A.T..TA.
PFD0100c_exon1_Kilifi_340	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....A.T..TA.
PFD0100c_exon1_Kilifi_027	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....A...T..
PFD0100c_exon1_Kilifi_097	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....A.T..TA.
PFD0100c_exon1_Kilifi_187	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_201	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_310	CA..A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_302	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_324	CA..A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_333	CA..A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_311	A CAC.A.T.G.	.C..A..	.....	.....	T...AC..	.....A....	.....
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319A...T..
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247	CA..A.T.G.	.C..A..	.....	.....	AC....	.....A....	.....AA....
PFD0100c_exon1_Kilifi_110	A.....	.....	.....	.....	.....	.....	.....
PFD0100c_exon1_Kilifi_348	CA..A.T.G.	.C..A..	.....	.....	AC....	.....A....	.....
PFD0100c_exon1_Kilifi_124	A..G....	.....	.....	C....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	...T.C....	.....T...	.C..A..	.....	T....	.....C..	.....T.A.GA	.....AG.G.T T.A....T.T

	2090	2100	2110	2120	2130	2140	2150	2160
PFD0100c_3D7_exon1	AATTTGAAGC	TCCTGGTCAA	GGAACGGTGA	TGAGAATGTT	AGGACAGAAA	AATTCTTTCA	AAACACTTGC	ACAAACAAA
PFD0100c_exon1_Kilifi_062	.T.....T.	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_091	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_250	.T.C...GC.	A...CT....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_314	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_093	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_128	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_186	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_345	.T.C...GC.	A...CT....	.....T....	.....G....	.....GT.			
PFD0100c_exon1_Kilifi_202	.T.....T.	A...T....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_290	...C...CA	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_304	.T.C...GC.	A...CT....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_299	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_082	.TA..A..T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_334	.TA..A..T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_298	.T.C...GC.	A...CT....	.....T....	.....G....	.....GT.			
PFD0100c_exon1_Kilifi_105	.TA..A..T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_406	.T.C...GC.	A...CT....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_510	.TA.....T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_164	.TA.....T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_321	.TA..A..T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_050	.TA.....T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_344	.TA..A..T.	A.A...AG..	AAC.T....	.....G....	.....TGG.			
PFD0100c_exon1_Kilifi_240	.TA.....T.	A.A...AG..	AAC.T....	.....G....	.....G..			
PFD0100c_exon1_Kilifi_028	.T.....C.	A...T....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_356	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_528	..A.....A	.....G....	.....G.G.G..	.....GT.				
PFD0100c_exon1_Kilifi_364	..A.....A	.....G....	.....G.G.G..	.....GT.				
PFD0100c_exon1_Kilifi_057	..A.....A	.....G....	.....G.G.G..	.....GT.				
PFD0100c_exon1_Kilifi_194	..A.....A	.....G....	.....G.G.G..	.....GT.				
PFD0100c_exon1_Kilifi_045	..A.....A	.....G....	.....G.G.G..	.....GT.				
PFD0100c_exon1_Kilifi_214	.T.....A.	.....A...A...	.....A.TGG.					
PFD0100c_exon1_Kilifi_020	.T.....A.	.....A...A...	.....G....	.....A.TGG.				
PFD0100c_exon1_Kilifi_023	.....A.....	.....A...A...	.....A.TGG.					
PFD0100c_exon1_Kilifi_052	.T.....A.	.....A...A...	.....A.TGG.					
PFD0100c_exon1_Kilifi_340	.T.....A.	.....A...A...	.....A.TGG.					
PFD0100c_exon1_Kilifi_027	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_097	.T.....A.	.....A...A...	.....A.TGG.					
PFD0100c_exon1_Kilifi_187	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_201	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_310	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_302	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_324	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_333	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_311	..A.....A	.....G....	.....G.G.G..	.....GT.				
PFD0100c_exon1_Kilifi_297	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_319	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_289	.....A.....	.....C....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_247	.T.C...C.	A...CT....	.....G....	.....GT.				
PFD0100c_exon1_Kilifi_110	.....A.....	.....C....	.....G....	.....G..				
PFD0100c_exon1_Kilifi_348	G...A....	.....G....	.....G....	.....G..				
PFD0100c_exon1_Kilifi_124	.TA.....T.	.....A...A...	.....G....	.....G..				
<i>Plasmodium reichenowi</i> _exon1	.T.....T.	A...C....	.A.C.AA..	.....G....	.....G..			

2170 2180 2190 2200 2210 2220 2230 2240
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
CAGGAAGTTT CTTCACTAG TTCTGAATCA CGTTCAAGTT CCTTCAACAA TAACTCCCAA ATAATTCCCC ATATATTGAA

PFD0100c_3D7_exon1
PFD0100c_exon1_Kilifi_062
PFD0100c_exon1_Kilifi_091
PFD0100c_exon1_Kilifi_250
PFD0100c_exon1_Kilifi_314
PFD0100c_exon1_Kilifi_093
PFD0100c_exon1_Kilifi_128
PFD0100c_exon1_Kilifi_186
PFD0100c_exon1_Kilifi_345
PFD0100c_exon1_Kilifi_202
PFD0100c_exon1_Kilifi_290
PFD0100c_exon1_Kilifi_304
PFD0100c_exon1_Kilifi_299
PFD0100c_exon1_Kilifi_082
PFD0100c_exon1_Kilifi_334
PFD0100c_exon1_Kilifi_298
PFD0100c_exon1_Kilifi_105
PFD0100c_exon1_Kilifi_406
PFD0100c_exon1_Kilifi_510
PFD0100c_exon1_Kilifi_164
PFD0100c_exon1_Kilifi_321
PFD0100c_exon1_Kilifi_050
PFD0100c_exon1_Kilifi_344
PFD0100c_exon1_Kilifi_240
PFD0100c_exon1_Kilifi_028
PFD0100c_exon1_Kilifi_356
PFD0100c_exon1_Kilifi_528
PFD0100c_exon1_Kilifi_364
PFD0100c_exon1_Kilifi_057
PFD0100c_exon1_Kilifi_194
PFD0100c_exon1_Kilifi_045
PFD0100c_exon1_Kilifi_214
PFD0100c_exon1_Kilifi_020
PFD0100c_exon1_Kilifi_023
PFD0100c_exon1_Kilifi_052
PFD0100c_exon1_Kilifi_340
PFD0100c_exon1_Kilifi_027
PFD0100c_exon1_Kilifi_097
PFD0100c_exon1_Kilifi_187
PFD0100c_exon1_Kilifi_201
PFD0100c_exon1_Kilifi_310
PFD0100c_exon1_Kilifi_302
PFD0100c_exon1_Kilifi_324
PFD0100c_exon1_Kilifi_333
PFD0100c_exon1_Kilifi_311
PFD0100c_exon1_Kilifi_297
PFD0100c_exon1_Kilifi_319
PFD0100c_exon1_Kilifi_289
PFD0100c_exon1_Kilifi_247
PFD0100c_exon1_Kilifi_110
PFD0100c_exon1_Kilifi_348
PFD0100c_exon1_Kilifi_124
*Plasmodium reichenowi*_exon1

	170	180	190	200	210	220	230	240
PFD1160w_3D7_exon1	TCATTATT	TATCGATGAT	GTAAAAGATG	TATTTATAAA	TAATGATTG	GTAAAAATCC	CTGTTAAAGT	TCGTAAGAGT
PFD1160w_exon1_Kilifi_017G....	.....	.....	.....	.....	..T.G...	.....
PFD1160w_exon1_Kilifi_528G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_019G....	.....	.....	.....	.....	..T.G...	.....
PFD1160w_exon1_Kilifi_020G....	.....	...A....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_023G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_027G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_028G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_039G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_044G....	.....	...A....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_045G....	.....	...A....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_050G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_051G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_052G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_057G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_062G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_082G....	.....	...A....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_084G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_093G....	.....	...A....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_097G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_105G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_110G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_124G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_150G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_153G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_160G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_162G....	.....	...A....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_164G....	.....	.....	.....	.....	..T.G...	.....
PFD1160w_exon1_Kilifi_186G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_187G....	.....	.....	.....	...G....	...G....	.....
PFD1160w_exon1_Kilifi_191G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_194G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_199G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_201G....	.....	.....	.....	.....	..T.G...	.....
PFD1160w_exon1_Kilifi_202G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_214G....	.....	.....	...G....	.....	...G....	.....
PFD1160w_exon1_Kilifi_216G....	.....	...A....	.....	.....	...G....	...T....
PFD1160w_exon1_Kilifi_229G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_240G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_247G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_258G....	.....	.....	.....	.....	..T.G...	.....
PFD1160w_exon1_Kilifi_262G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_297G....	.....	.....	.....	.....	...T....	.....
PFD1160w_exon1_Kilifi_298G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_299G....	.....	...A....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_301G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_302G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_307G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_311G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_314G....	.....	.....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_319G....	.....	.....	...G....	.....	...G....	.....
PFD1160w_exon1_Kilifi_321G....	.....	...A....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_322G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_324G....	.....	...A....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_331G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_336G....	.....	...A....	.....	.....	...G..T.	.....
PFD1160w_exon1_Kilifi_340G....	.....	.....	.....	.....	..T.G...	.....
PFD1160w_exon1_Kilifi_343G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_344G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_345G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_348G....	.....	...A....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_349G....	.....	.....	.....	...G....	...G....	.....
PFD1160w_exon1_Kilifi_356G....	.....	.....	.....	...G....	...G....	.....
PFD1160w_exon1_Kilifi_364G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_365G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_366G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_384G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_389G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_406G....	.....	.....	.....	.....	...G....	.....
PFD1160w_exon1_Kilifi_510G....	.....	.....	.....	.....	...G....	.....
<i>Plasmodium reichenowi</i> _exon1T.G...	...G....	...C....	.....	...GG...	..A.AG..	...GA.T.

	330	340	350	360	370	380	390	400
PFD1160w_3D7_exon1	TAATTATAAT	AAAGAATATA	GAGATATGAC	TCGAACGTTA	GAAGATTTTT	GTGAAGAAAA	AACACGCAAG	CTAGAAATTA
PFD1160w_exon1_Kilifi_017				A		T	T	
PFD1160w_exon1_Kilifi_528				A			T	
PFD1160w_exon1_Kilifi_019						T	T	
PFD1160w_exon1_Kilifi_020							T	
PFD1160w_exon1_Kilifi_023				A	C		T	G
PFD1160w_exon1_Kilifi_027	A							
PFD1160w_exon1_Kilifi_028							T	
PFD1160w_exon1_Kilifi_039								
PFD1160w_exon1_Kilifi_044	A			A	C		T	G
PFD1160w_exon1_Kilifi_045							T	
PFD1160w_exon1_Kilifi_050								
PFD1160w_exon1_Kilifi_051				A	C		T	G
PFD1160w_exon1_Kilifi_052								
PFD1160w_exon1_Kilifi_057				A	C		T	G
PFD1160w_exon1_Kilifi_062							T	
PFD1160w_exon1_Kilifi_082								
PFD1160w_exon1_Kilifi_084	A							
PFD1160w_exon1_Kilifi_093	A			A	C		T	G
PFD1160w_exon1_Kilifi_097								
PFD1160w_exon1_Kilifi_105				A	C		T	G
PFD1160w_exon1_Kilifi_110								
PFD1160w_exon1_Kilifi_124				A			T	
PFD1160w_exon1_Kilifi_150				A	C		T	G
PFD1160w_exon1_Kilifi_153				A	C		T	T
PFD1160w_exon1_Kilifi_160				A	C		T	G
PFD1160w_exon1_Kilifi_162							T	
PFD1160w_exon1_Kilifi_164						T	T	
PFD1160w_exon1_Kilifi_186								
PFD1160w_exon1_Kilifi_187				A		T	T	
PFD1160w_exon1_Kilifi_191				A	C		T	G
PFD1160w_exon1_Kilifi_194							T	
PFD1160w_exon1_Kilifi_199								
PFD1160w_exon1_Kilifi_201						T	T	
PFD1160w_exon1_Kilifi_202								
PFD1160w_exon1_Kilifi_214							T	
PFD1160w_exon1_Kilifi_216	A							
PFD1160w_exon1_Kilifi_229							T	
PFD1160w_exon1_Kilifi_240				A	C		T	G
PFD1160w_exon1_Kilifi_247							T	
PFD1160w_exon1_Kilifi_258				A	C		T	G
PFD1160w_exon1_Kilifi_262				A	C		T	G
PFD1160w_exon1_Kilifi_297								
PFD1160w_exon1_Kilifi_298	A			A	C		T	
PFD1160w_exon1_Kilifi_299	A							
PFD1160w_exon1_Kilifi_301	A			A			T	
PFD1160w_exon1_Kilifi_302								
PFD1160w_exon1_Kilifi_307				A	C		T	G
PFD1160w_exon1_Kilifi_311				A	C		T	G
PFD1160w_exon1_Kilifi_314				A		T	T	
PFD1160w_exon1_Kilifi_319				A		T	T	
PFD1160w_exon1_Kilifi_321	A							
PFD1160w_exon1_Kilifi_322							T	
PFD1160w_exon1_Kilifi_324				A	C		T	G
PFD1160w_exon1_Kilifi_331							T	
PFD1160w_exon1_Kilifi_336							T	
PFD1160w_exon1_Kilifi_340				A		T	T	
PFD1160w_exon1_Kilifi_343							T	
PFD1160w_exon1_Kilifi_344				A	C		T	G
PFD1160w_exon1_Kilifi_345							T	
PFD1160w_exon1_Kilifi_348								
PFD1160w_exon1_Kilifi_349							T	
PFD1160w_exon1_Kilifi_356							T	
PFD1160w_exon1_Kilifi_364							TT	
PFD1160w_exon1_Kilifi_365								
PFD1160w_exon1_Kilifi_366							T	
PFD1160w_exon1_Kilifi_384				A	C		T	G
PFD1160w_exon1_Kilifi_389				A			T	
PFD1160w_exon1_Kilifi_406	A							
PFD1160w_exon1_Kilifi_510				A	C		T	T
<i>Plasmodium reichenowi</i> _exon1	G		C	A	G		T	A

	410	420	430	440	450	460	470	480
PFD1160w_3D7_exon1	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PFD1160w_exon1_Kilifi_017	TATATCAAAA	GGATTACGAC	GAAAGTTTAT	ATGTGAATTT	TAATGAATGG	ATAAATAAAA	AAAAAGAAGA	CATTTTAAAG
PFD1160w_exon1_Kilifi_528	..G.....	.....	.....	.....A.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_019	..G.....	.....	.....	.....A.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_020	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_023	..G.....	.....	.....	.....A.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_027	.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_028	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_039	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044	..G.....	.....	.....	.....A.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_045	..G.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_051	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_052	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_057	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_062	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_082	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_084	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_093	..G.....	G.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_097	.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_105	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_110	.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_124	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_150	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_153	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_160	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_162	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_164	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_186	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_187	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_191	..G.....	.....	.....	.....	.....G.....	.....	.....	.....
PFD1160w_exon1_Kilifi_194	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_199	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_201	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_202	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_214	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_216	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_229	.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_240	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_247	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_258	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_262	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_297	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_298	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_299	.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_301	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_302	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_307	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_311	..G.....	.....	.....	.....	.....G.....	.....	.....	.....
PFD1160w_exon1_Kilifi_314	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_319	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_321	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_322	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_324	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_331	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_336	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_340	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_343	..G.....	T.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_344	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_345	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_348	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_349	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_356	..G.....	T.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_364	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_365	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_366	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_384	..G.....	.....	.....	.....	.....G.....	.....	.....	.....
PFD1160w_exon1_Kilifi_389	..G.....	.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_406	..G.....	G.....	.....	.....	.....A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_510	..G.....	G.....	.....	.....	.....A.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	..G..A..TC	A.....A..	.....	.....	.....A.....	.....	.....	.....AG.....

	490	500	510	520	530	540	550	560
PFD1160w_3D7_exon1	GAATATGAAA	AATTAAGTAA	TAAAGATAAA	TATAAACACT	TATTAAAAAT	TAGTGAAACC	TGTGATCTTA	ATCATGTGGA
PFD1160w_exon1_Kilifi_017			.G.		.G.			
PFD1160w_exon1_Kilifi_528								
PFD1160w_exon1_Kilifi_019			.G.		.G.			
PFD1160w_exon1_Kilifi_020	.A.		.G.					
PFD1160w_exon1_Kilifi_023			.A.G.					
PFD1160w_exon1_Kilifi_027			.A.G.			A		
PFD1160w_exon1_Kilifi_028			.G.		.G.			
PFD1160w_exon1_Kilifi_039	.A.		.G.					
PFD1160w_exon1_Kilifi_044			.G.		.G.	A		
PFD1160w_exon1_Kilifi_045			.G.					
PFD1160w_exon1_Kilifi_050								
PFD1160w_exon1_Kilifi_051			.G.				A.	
PFD1160w_exon1_Kilifi_052	.A.		.G.					
PFD1160w_exon1_Kilifi_057								
PFD1160w_exon1_Kilifi_062			.G.					
PFD1160w_exon1_Kilifi_082						A.		
PFD1160w_exon1_Kilifi_084			.G.					
PFD1160w_exon1_Kilifi_093			.G.					
PFD1160w_exon1_Kilifi_097			.G.		.G.	A		
PFD1160w_exon1_Kilifi_105								
PFD1160w_exon1_Kilifi_110			.G.		.G.	A		
PFD1160w_exon1_Kilifi_124			.G.		.G.	G.		
PFD1160w_exon1_Kilifi_150			.G.		.G.		G.	
PFD1160w_exon1_Kilifi_153			.G.					
PFD1160w_exon1_Kilifi_160								
PFD1160w_exon1_Kilifi_162			.G.		.G.	A		
PFD1160w_exon1_Kilifi_164			.G.		.G.			
PFD1160w_exon1_Kilifi_186								
PFD1160w_exon1_Kilifi_187			.G.					
PFD1160w_exon1_Kilifi_191								
PFD1160w_exon1_Kilifi_194								A.
PFD1160w_exon1_Kilifi_199	.A.		.G.					A.
PFD1160w_exon1_Kilifi_201			.G.		.G.			
PFD1160w_exon1_Kilifi_202			.G.					
PFD1160w_exon1_Kilifi_214								
PFD1160w_exon1_Kilifi_216	.A.		.G.					
PFD1160w_exon1_Kilifi_229			.G.					
PFD1160w_exon1_Kilifi_240								
PFD1160w_exon1_Kilifi_247			.G.		.G.			
PFD1160w_exon1_Kilifi_258								
PFD1160w_exon1_Kilifi_262			.A.G.					
PFD1160w_exon1_Kilifi_297	.A.		.G.		.G.			
PFD1160w_exon1_Kilifi_298	.A.		.G.					
PFD1160w_exon1_Kilifi_299			.A.G.					
PFD1160w_exon1_Kilifi_301			.G.					
PFD1160w_exon1_Kilifi_302	.A.		.G.					
PFD1160w_exon1_Kilifi_307								
PFD1160w_exon1_Kilifi_311			.A.G.					
PFD1160w_exon1_Kilifi_314								
PFD1160w_exon1_Kilifi_319			.G.		.G.			
PFD1160w_exon1_Kilifi_321			.A.G.					
PFD1160w_exon1_Kilifi_322			.G.					
PFD1160w_exon1_Kilifi_324							A.	
PFD1160w_exon1_Kilifi_331			.G.					
PFD1160w_exon1_Kilifi_336								
PFD1160w_exon1_Kilifi_340								
PFD1160w_exon1_Kilifi_343								
PFD1160w_exon1_Kilifi_344								
PFD1160w_exon1_Kilifi_345			.A.G.					
PFD1160w_exon1_Kilifi_348						A.		
PFD1160w_exon1_Kilifi_349								
PFD1160w_exon1_Kilifi_356								
PFD1160w_exon1_Kilifi_364			.G.		.G.	A		
PFD1160w_exon1_Kilifi_365			.G.					
PFD1160w_exon1_Kilifi_366			.G.					
PFD1160w_exon1_Kilifi_384			.A.G.					
PFD1160w_exon1_Kilifi_389			.G.					
PFD1160w_exon1_Kilifi_406			.G.					
PFD1160w_exon1_Kilifi_510			.G.					
<i>Plasmodium reichenowi</i> _exon1			.G.	A.	.G.		A.	C.

	570	580	590	600	610	620	630	640
PFD1160w_3D7_exon1	TAATTATTC	CTTAATATAT	CAAGTGAGGA	TATGAAAAAA	ATGAAGGAAG	ATGTTAAAAA	ACAACATCTT	GAAGTTAAAG
PFD1160w_exon1_Kilifi_017	.C.							
PFD1160w_exon1_Kilifi_528								
PFD1160w_exon1_Kilifi_019	.C.							
PFD1160w_exon1_Kilifi_020			.A.			.C.	.A.	.G.
PFD1160w_exon1_Kilifi_023						.C.	.A.	.G.
PFD1160w_exon1_Kilifi_027				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_028				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_039				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_044								
PFD1160w_exon1_Kilifi_045				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_050	.C.							
PFD1160w_exon1_Kilifi_051				.AT.				
PFD1160w_exon1_Kilifi_052				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_057				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_062						.C.		
PFD1160w_exon1_Kilifi_082				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_084				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_093								
PFD1160w_exon1_Kilifi_097				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_105			.A.					
PFD1160w_exon1_Kilifi_110				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_124				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_150								
PFD1160w_exon1_Kilifi_153								
PFD1160w_exon1_Kilifi_160				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_162								
PFD1160w_exon1_Kilifi_164	.C.							
PFD1160w_exon1_Kilifi_186						.C.		
PFD1160w_exon1_Kilifi_187				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_191				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_194			.A.					
PFD1160w_exon1_Kilifi_199			.A.					
PFD1160w_exon1_Kilifi_201	.C.							
PFD1160w_exon1_Kilifi_202				.AT.		.C.		
PFD1160w_exon1_Kilifi_214			.A.					
PFD1160w_exon1_Kilifi_216								
PFD1160w_exon1_Kilifi_229				.A.		.C.	.A.	
PFD1160w_exon1_Kilifi_240				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_247			.A.					
PFD1160w_exon1_Kilifi_258						.C.		
PFD1160w_exon1_Kilifi_262						.C.	.A.	.G.
PFD1160w_exon1_Kilifi_297	.C.							
PFD1160w_exon1_Kilifi_298						.C.	.A.	.G.
PFD1160w_exon1_Kilifi_299				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_301								
PFD1160w_exon1_Kilifi_302				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_307				.AT.				
PFD1160w_exon1_Kilifi_311				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_314				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_319				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_321				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_322				.AT.		.C.		
PFD1160w_exon1_Kilifi_324				.AT.				
PFD1160w_exon1_Kilifi_331				.AT.		.C.		
PFD1160w_exon1_Kilifi_336			.A.	.AT.		.C.		.G.
PFD1160w_exon1_Kilifi_340				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_343				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_344								
PFD1160w_exon1_Kilifi_345				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_348				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_349			.A.					
PFD1160w_exon1_Kilifi_356			.A.					
PFD1160w_exon1_Kilifi_364				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_365				.AT.		.C.	.A.	
PFD1160w_exon1_Kilifi_366				.AT.				
PFD1160w_exon1_Kilifi_384				.AT.		.C.	.A.	.G.
PFD1160w_exon1_Kilifi_389						.C.		
PFD1160w_exon1_Kilifi_406								
PFD1160w_exon1_Kilifi_510								
<i>Plasmodium reichenowi</i> _exon1				.T.	.T.	G..AG.	.A.	.G.

	970	980	990	1000	1010	1020	1030	1040
PFD1160w_3D7_exon1	GTTGAAAGAA	GAGGCTATGG	AAATAGTCAT	GTTAGGGGTA	ACGCACCTTA	AAAAATTAGT	AATGGTGATG	ATAATTATAA
PFD1160w_exon1_Kilifi_017
PFD1160w_exon1_Kilifi_528
PFD1160w_exon1_Kilifi_019
PFD1160w_exon1_Kilifi_020
PFD1160w_exon1_Kilifi_023
PFD1160w_exon1_Kilifi_027	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_028T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_039	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044
PFD1160w_exon1_Kilifi_045
PFD1160w_exon1_Kilifi_050
PFD1160w_exon1_Kilifi_051T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_052
PFD1160w_exon1_Kilifi_057T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_062T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_082
PFD1160w_exon1_Kilifi_084
PFD1160w_exon1_Kilifi_093
PFD1160w_exon1_Kilifi_097	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_105
PFD1160w_exon1_Kilifi_110	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_124T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_150T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_153T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_160
PFD1160w_exon1_Kilifi_162T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_164	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_186	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_187
PFD1160w_exon1_Kilifi_191	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_194	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_199
PFD1160w_exon1_Kilifi_201T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_202T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_214T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_216
PFD1160w_exon1_Kilifi_229	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_240
PFD1160w_exon1_Kilifi_247
PFD1160w_exon1_Kilifi_258
PFD1160w_exon1_Kilifi_262
PFD1160w_exon1_Kilifi_297
PFD1160w_exon1_Kilifi_298T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_299
PFD1160w_exon1_Kilifi_301T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_302	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_307T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_311T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_314
PFD1160w_exon1_Kilifi_319
PFD1160w_exon1_Kilifi_321
PFD1160w_exon1_Kilifi_322T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_324
PFD1160w_exon1_Kilifi_331
PFD1160w_exon1_Kilifi_336
PFD1160w_exon1_Kilifi_340T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_343
PFD1160w_exon1_Kilifi_344T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_345	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_348
PFD1160w_exon1_Kilifi_349
PFD1160w_exon1_Kilifi_356
PFD1160w_exon1_Kilifi_364	.....G.....	.....	.....	.....	.....T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_365T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_366T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_384T.....	.....	.....	.....
PFD1160w_exon1_Kilifi_389
PFD1160w_exon1_Kilifi_406
PFD1160w_exon1_Kilifi_510
<i>Plasmodium reichenowi</i> _exon1A.....	.....	.....TT.....G.....	.....	.....A.....	.....A.....

	1050	1060	1070	1080	1090	1100	1110	1120
PFD1160w_3D7_exon1	AAGTCCCTCT	TCTAATTATA	TTGAAGTTGA	TTGTGCTGAA	GATAAATATT	TTCTATTAGA	AGATGGAAGT	AATCAATCAG
PFD1160w_exon1_Kilifi_017					T	.GT	A	
PFD1160w_exon1_Kilifi_528								C
PFD1160w_exon1_Kilifi_019			A					C
PFD1160w_exon1_Kilifi_020								C
PFD1160w_exon1_Kilifi_023					T	.GT	A	
PFD1160w_exon1_Kilifi_027								C
PFD1160w_exon1_Kilifi_028					T	.GT		
PFD1160w_exon1_Kilifi_039			A		T	.GT		
PFD1160w_exon1_Kilifi_044								C
PFD1160w_exon1_Kilifi_045								C
PFD1160w_exon1_Kilifi_050								C
PFD1160w_exon1_Kilifi_051					T	.GT		
PFD1160w_exon1_Kilifi_052								C
PFD1160w_exon1_Kilifi_057					T	.GT	A	
PFD1160w_exon1_Kilifi_062					T	.GT		
PFD1160w_exon1_Kilifi_082								C
PFD1160w_exon1_Kilifi_084			A		T	.GT		
PFD1160w_exon1_Kilifi_093								C
PFD1160w_exon1_Kilifi_097					T	.GT		
PFD1160w_exon1_Kilifi_105								C
PFD1160w_exon1_Kilifi_110					T	.GT		
PFD1160w_exon1_Kilifi_124			A					
PFD1160w_exon1_Kilifi_150					T	.GT		
PFD1160w_exon1_Kilifi_153					T	.T		C
PFD1160w_exon1_Kilifi_160			A		T	.GT		C
PFD1160w_exon1_Kilifi_162					T	.GT		C
PFD1160w_exon1_Kilifi_164					T	.GT	A	
PFD1160w_exon1_Kilifi_186			A			.T		C
PFD1160w_exon1_Kilifi_187								C
PFD1160w_exon1_Kilifi_191			A		T	.GT		
PFD1160w_exon1_Kilifi_194					T	.GT		C
PFD1160w_exon1_Kilifi_199				T				C
PFD1160w_exon1_Kilifi_201					T	.GT		
PFD1160w_exon1_Kilifi_202			A					C
PFD1160w_exon1_Kilifi_214								C
PFD1160w_exon1_Kilifi_216								C
PFD1160w_exon1_Kilifi_229			A		T	.GT		C
PFD1160w_exon1_Kilifi_240								C
PFD1160w_exon1_Kilifi_247					T	.GT		
PFD1160w_exon1_Kilifi_258					T			C
PFD1160w_exon1_Kilifi_262					T	.GT	A	
PFD1160w_exon1_Kilifi_297							A	
PFD1160w_exon1_Kilifi_298					T	.GT	A	
PFD1160w_exon1_Kilifi_299			A		T	.GT		
PFD1160w_exon1_Kilifi_301								C
PFD1160w_exon1_Kilifi_302			A		T	.GT		
PFD1160w_exon1_Kilifi_307			A					C
PFD1160w_exon1_Kilifi_311			A					C
PFD1160w_exon1_Kilifi_314			A		T	.GT		
PFD1160w_exon1_Kilifi_319								C
PFD1160w_exon1_Kilifi_321			A		T	.GT		
PFD1160w_exon1_Kilifi_322								C
PFD1160w_exon1_Kilifi_324					T	.GT		
PFD1160w_exon1_Kilifi_331					T	.GT		C
PFD1160w_exon1_Kilifi_336								C
PFD1160w_exon1_Kilifi_340					T	.GT	A	
PFD1160w_exon1_Kilifi_343								C
PFD1160w_exon1_Kilifi_344					T	.GT	A	
PFD1160w_exon1_Kilifi_345					T	.GT		C
PFD1160w_exon1_Kilifi_348								C
PFD1160w_exon1_Kilifi_349								C
PFD1160w_exon1_Kilifi_356								C
PFD1160w_exon1_Kilifi_364			A		T	.GT		
PFD1160w_exon1_Kilifi_365								C
PFD1160w_exon1_Kilifi_366								C
PFD1160w_exon1_Kilifi_384							A	
PFD1160w_exon1_Kilifi_389								C
PFD1160w_exon1_Kilifi_406					T	.GT	A	
PFD1160w_exon1_Kilifi_510			A		T	.GT		
<i>Plasmodium reichenowi</i> _exon1			A	C		.T	.GT	

	1130	1140	1150	1160	1170	1180	1190	1200
PFD1160w_3D7_exon1	....|....|....|....|	....|....|....|....|	....|....|....|....|	....|....|....|....|	....|....|....|....|	....|....|....|....|	....|....|....|....|	....|....|....|....|
AAAATAGTTG TAAACAAAA	TATAACTATT	TTGTATCTAA	TGATTATGAT	GGTACTGGGT	CTGCTATTTA	TTCGACAGAT		
PFD1160w_exon1_Kilifi_017	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_528	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_019	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_020	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_023	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_027	.....	...G.	...C.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_028	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_039	.....G.	...C.	.....T.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_045	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_050	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_051	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_052	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_057	.....T.	...G.	...C.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_062	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_082	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_084	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_093	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_097	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_105	.....C.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_110	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_124	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_150	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_153	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_160	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_162	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_164	.....T.	...G.	...C.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_186	.....C.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_187	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_191	.....G.	...C.	.....T.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_194	.....G.	.....	.....T.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_199	.....C.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_201	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_202	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_214	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_216	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_229	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_240	.....C.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_247	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_258	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_262	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_297	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_298	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_301	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_302	.....G.	...C.	.....T.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_307	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_311	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_314	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_319	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_321	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_322	.....G.	...C.	.....T.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_324	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_331	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_336	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_340	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_343	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_344	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_345	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_348	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_349	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_356	.....GT.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_364	.....G.	...C.	.....T.	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_365	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_366	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_384	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_389	.....G.	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_406	.....T.	...G.	...C.	.....T.	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_510	.....G.	.....	.....	.....	.....	.....	.....	.....
Plasmodium reichenowi_exon1	...G..T...	.....T.	-----	-----	----.A.	.AA.A..AT.	...T.....	.....A.

	1290	1300	1310	1320	1330	1340	1350	1360
PFD1160w_3D7_exon1	.....|	.....|	.....|	.....|	.....|	.....|	.....|	.....|
PFD1160w_exon1_Kilifi_017	TGTTTCTAAT	GAGGGAAATC	CTCTTGAGGG	TGGGGAGGAA	AAAAATAATG	TTAAGATAAG	TGAACAAAAT	GGTCGTAATC
PFD1160w_exon1_Kilifi_528
PFD1160w_exon1_Kilifi_019A.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_020
PFD1160w_exon1_Kilifi_023C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_027A..A.....	.....	.....G.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_028G.....	.....	.....C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_039	.....C.....	.....	.....A.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044A.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_045
PFD1160w_exon1_Kilifi_050G.....	.....	.....C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_051C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_052G.....	.....	.....C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_057
PFD1160w_exon1_Kilifi_062C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_082C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_084
PFD1160w_exon1_Kilifi_093
PFD1160w_exon1_Kilifi_097A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T..A.....
PFD1160w_exon1_Kilifi_105A.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_110A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T..A.....
PFD1160w_exon1_Kilifi_124C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_150
PFD1160w_exon1_Kilifi_153C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_160
PFD1160w_exon1_Kilifi_162C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_164
PFD1160w_exon1_Kilifi_186
PFD1160w_exon1_Kilifi_187
PFD1160w_exon1_Kilifi_191C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_194A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_199G.....	.....	.....C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_201C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_202G.....	.....	.....C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_214A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T..A.....
PFD1160w_exon1_Kilifi_216A..A.....	.....	.....G.....	.....	.....C.....	.....	.....
PFD1160w_exon1_Kilifi_229G.....	.....	.....C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_240A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_247
PFD1160w_exon1_Kilifi_258
PFD1160w_exon1_Kilifi_262C.....	.....	.....
PFD1160w_exon1_Kilifi_297C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_298C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_299C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_301C.....	.....	.....
PFD1160w_exon1_Kilifi_302C.....	.....	.....
PFD1160w_exon1_Kilifi_307
PFD1160w_exon1_Kilifi_311
PFD1160w_exon1_Kilifi_314
PFD1160w_exon1_Kilifi_319A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T..A.....
PFD1160w_exon1_Kilifi_321C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_322
PFD1160w_exon1_Kilifi_324C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_331
PFD1160w_exon1_Kilifi_336
PFD1160w_exon1_Kilifi_340
PFD1160w_exon1_Kilifi_343G.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_344G.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_345C.....	.....	.....
PFD1160w_exon1_Kilifi_348C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_349C.....A.....	.....	.....T..A.....
PFD1160w_exon1_Kilifi_356A..A.....	.....	.....G.....	.....	.....C.....A.....	.....	.....T..A.....
PFD1160w_exon1_Kilifi_364C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_365
PFD1160w_exon1_Kilifi_366C.....A.....	.....	.....
PFD1160w_exon1_Kilifi_384
PFD1160w_exon1_Kilifi_389C.....A.....	.....	.....T.....
PFD1160w_exon1_Kilifi_406C.....	.....	.....
PFD1160w_exon1_Kilifi_510
<i>Plasmodium reichenowi</i> _exon1	-----	-----	-----	.....A...A...	.....G.....	A...T.C...	.....T.	TC.G....G

	1370	1380	1390	1400	1410	1420	1430	1440
PFD1160w_3D7_exon1	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PFD1160w_exon1_Kilifi_017	TGGAAAGTTC	TGTAGGAACA	GATAAGGGTT	CAGATAAAAA	TGAAGAAGAA	GTAGCTGCTA	CTTGTGATCC	AAACGATCGA
PFD1160w_exon1_Kilifi_528	A.....	.....	.....	.....G.....	.....G.....
PFD1160w_exon1_Kilifi_019G.....
PFD1160w_exon1_Kilifi_020	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_023	T.....	.....	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_027	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_028G.....
PFD1160w_exon1_Kilifi_039	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_044	T.G.....	A.....	.....	.....A.....	.....
PFD1160w_exon1_Kilifi_045	G.....	A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_050	T.....	.....	.....GC.....
PFD1160w_exon1_Kilifi_051G.....	.....G.....
PFD1160w_exon1_Kilifi_052	T.....	.....	.....GC.....
PFD1160w_exon1_Kilifi_057	G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_062G.....
PFD1160w_exon1_Kilifi_082GC.....
PFD1160w_exon1_Kilifi_084G.....
PFD1160w_exon1_Kilifi_093	T.G.....	A.....	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_097	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_105	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_110	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_124G.....
PFD1160w_exon1_Kilifi_150	T.G.....	A.....	.....	.....G.....	.....G.....
PFD1160w_exon1_Kilifi_153G.....
PFD1160w_exon1_Kilifi_160	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_162	G.....	.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_164G.....
PFD1160w_exon1_Kilifi_186	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_187	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_191G.....	.....G.....
PFD1160w_exon1_Kilifi_194	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_199	T.....	.....	.....GC.....
PFD1160w_exon1_Kilifi_201G.....
PFD1160w_exon1_Kilifi_202G.....
PFD1160w_exon1_Kilifi_214G.....
PFD1160w_exon1_Kilifi_216	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_229G.....
PFD1160w_exon1_Kilifi_240	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_247G.....
PFD1160w_exon1_Kilifi_258	G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_262	T.....	.....	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_297G.....	.....G.....
PFD1160w_exon1_Kilifi_298G.....
PFD1160w_exon1_Kilifi_299G.....	.....G.....
PFD1160w_exon1_Kilifi_301G.....
PFD1160w_exon1_Kilifi_302	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_307	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_311	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_314G.....
PFD1160w_exon1_Kilifi_319G.....
PFD1160w_exon1_Kilifi_321G.....	.....G.....
PFD1160w_exon1_Kilifi_322G.....
PFD1160w_exon1_Kilifi_324	T.....	.....G.....	.....G.....
PFD1160w_exon1_Kilifi_331G.....	.....G.....
PFD1160w_exon1_Kilifi_336	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_340	T.G.....	A.....	---	.....	.....G.....
PFD1160w_exon1_Kilifi_343	G.....	A.....	---	.....	.....G.....
PFD1160w_exon1_Kilifi_344	T.G.....	A.....	---	.....	.....G.....
PFD1160w_exon1_Kilifi_345	T.G.....	A.....	.....	.....A.....	.....G.....
PFD1160w_exon1_Kilifi_348	T.....	.....	.....	T.....	.....G.....
PFD1160w_exon1_Kilifi_349G.....
PFD1160w_exon1_Kilifi_356G.....
PFD1160w_exon1_Kilifi_364G.....	.....G.....
PFD1160w_exon1_Kilifi_365G.....
PFD1160w_exon1_Kilifi_366G.....	.....G.....
PFD1160w_exon1_Kilifi_384	T.G.....	A.....	.....	.....	.....G.....
PFD1160w_exon1_Kilifi_389	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_406	T.....	.....	.....G.....
PFD1160w_exon1_Kilifi_510G.....
<i>Plasmodium reichenowi</i> _exon1	CA....A....	.....T....	.....G....	.....C.G.C.	.....	.....T.G	A.....	.....G.....G.....

	1450	1460	1470	1480	1490	1500	1510	1520
PFD1160w_3D7_exon1	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PFD1160w_exon1_Kilifi_017	AACGTGTTTG	ATGGAAGATA	TATAAATGTT	GATTATATAA	GAGGTTTATT	AAAGGGTAAA	CGTTCGTGTT	CAGATGGAAG
PFD1160w_exon1_Kilifi_528	G.T..CA...	...C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_019	....CG...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_020	G.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_023	....CG...	....C..ATC.	A...CTAC..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_027	..T..CA...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_028	G....CA...	.....TC.	A...C.....	.....T...	.....C	.....A...	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_039	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044	....CG...	....T..ATA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_045	....CG...	....T.....	....TC....	..A..CT...	..A.....C	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_050	G.....	....C..ATC.	A...CTAC..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_051	G.T..CA...	....C..ATC.	A...GC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_052	G.....	....C..ATC.	A...CTAC..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_057	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_062	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_082	G.A.....	....C..ATC.	A...CTAC..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_084	....CG...	....T..CTA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_093	..T..CA...	....C..ATC.	A...GC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_097	G.T..CA...	....C..ATC.	A...CTAT..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_105	....CG...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_110	G.T..CA...	....C..ATC.	A...CTAT..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_124	G.T..C....	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_150	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_153	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_160	....CG...	....T..ATA.	A...TC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_162	G.T..CA...	....C..ATC.	A...GC....	..CA..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_164	G.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_186	....CG...	....C..ATC.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_187	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_191	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_194	G.....	....C..ATC.	A...CTAC..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_199	G.....	....C..ATC.	A...CTAC..	.....T.T.	A...C...C	..G...A...	G.....T.....	.....T.....
PFD1160w_exon1_Kilifi_201	....CG...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_202	T.T..CG...	....C..ATA.	A...TT....	.....T...	.....C...C	..G...A...	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_214	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_216	....CG...	....T..CTA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_229	G.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_240	GCT..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	.....	.....	.....
PFD1160w_exon1_Kilifi_247	G.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_258	....CG...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_262	..T..CA...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_297	G.T..CA...	....C..ATC.	A...GC....	..CA..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_298	....CG...	....T..ATA.	A...TC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_299	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_301	..T..CA...	....C..ATC.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_302	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_307	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_311	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_314	....CG...	....T..CTA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_319	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_321	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_322	G....C....	....C..A.C.	A...C....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_324	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_331	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_336	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AAA....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_340	....CG...	....T..ATA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_343	....CG...	....T..ATA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_344	....CG...	....T..ATA.	A...TC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_345	....CG...	....C..ATA.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_348	..T..CA...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_364	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_365	....CG...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_366	G.T..CA...	....C..ATC.	A...CC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_384	....CG...	....C..ATC.	A...GC....	..A..CT...	..AA.....	..G...AG..	.....T.....	.....T.....
PFD1160w_exon1_Kilifi_389	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_510	G....C....	.....C.	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	....CG...	.....T...	..GAGCAG..	C A.....	.....	..GC...A...	.....T.....	.....A

	1770	1780	1790	1800	1810	1820	1830	1840
PFD1160w_3D7_exon1	.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|						
	TAGAATGTTA	TCTACAAC	TGGAATTACC	TAATCAACAA	GAGGTATTG	GACTATATTC	ACCTGTATCA	CGAACGCTTG
PFD1160w_exon1_Kilifi_017	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_528	.....T.....	.....CT.G.....	.....C.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_019	.....	.....CT.G.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_020	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_023	.....T.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_027	.....T.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_028	.....	.....C.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_039	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044	.....T.....	.....C.....	.....C.....	.....G.A.....	.....C.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_045	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_050	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_051	.....T.....	.....CT.G.....	.....C.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_052	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_057	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_062	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_082	.....T.....	.....CT.G.....	.....	.....	.....	.....T.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_084	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_097	.....	.....C.....	.....T.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....
PFD1160w_exon1_Kilifi_105	.....T.....	.....CT.G.....	.....C.....	.....	.....	.....	.....	.....A.....
PFD1160w_exon1_Kilifi_110	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....	.....
PFD1160w_exon1_Kilifi_124	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_150	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_153	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_160	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_162	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_164	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_186	.....T.....	.....CT.....	.....C.....	.....G.....	.....C.....	.....	.....	.....
PFD1160w_exon1_Kilifi_187	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_191	.....T.....	.....CT.G.....	.....	.....	.....	.....T.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_194	.....T.....	.....	.....	.....	.....C.....	.....	.....	.....
PFD1160w_exon1_Kilifi_199	.....	.....C.....	.....T.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....
PFD1160w_exon1_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_202	.....	.....C.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_214	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_216	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_229	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_240	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_247	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_258	.....T.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_262	.....T.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_298	.....T.....	.....CT.G.....	.....	.....	.....	.....T.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_301	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_302	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_307	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_311	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_314	.....T.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_319	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_321	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_322	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_324	.....T.....	.....CT.G.....	.....C.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_331	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_336	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_340	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_343	.....T.....	.....CT.G.....	.....C.....	.....G.....	.....AC.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_344	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_345	.....T.....	.....C.....	.....	.....	.....C.....	.....	.....	.....
PFD1160w_exon1_Kilifi_348	.....T.....	.....CT.G.....	.....C.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_364	.....T.....	.....C.....	.....C.....	.....G.A.....	.....AC.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_365	.....T.....	.....CT.G.....	.....C.....	.....G.....	.....	.....	.....A.....	.....T.....
PFD1160w_exon1_Kilifi_366	.....T.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_384	.....T.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_389	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....T.....
PFD1160w_exon1_Kilifi_510	.....T.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	.....	.....AC..G.....	.....G.....	.....G.....	.....CC..T.....	.....T.....	.....	.....G.....

	1930	1940	1950	1960	1970	1980	1990	2000
PFD1160w_3D7_exon1	AGCAAACGTG	TAGAAATATC	AACTACGGTT	CAGGATCCTA	TTGGATATAG	GACTTCCCCT	TTACAAATGA	ATGCTCATAG
PFD1160w_exon1_Kilifi_017	..TC...T..	C.C.....	.....	.G..G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_528	..TC...T..	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_019	.....	.....	.....	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_020	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_023	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_027	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_028	..C.....	C.C.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_039	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_044	..TC...T..	C.C.....	.....T...	A...G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_045	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_050	..TC...T..	C.C.....	.....T...	A...G....	.....A	.A...T..	...G.....	.....
PFD1160w_exon1_Kilifi_051	..TC...T..	C.C.....	.....A...	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_052	..TC...T..	C.C.....	.....A...	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_057	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_062	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_082	..TC...T..	C.C.....	.....T...	A...G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_084	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_093	.....	.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_097	..TC...T..	C.C.....	.....	.....G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_105	..TC...T..	C.C.....	.....A...	.....G....	A.....	.....	.....	.....
PFD1160w_exon1_Kilifi_110	.....	.....	.....	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_124	.....	C.C.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_150	..TC...T..	C.C.....	.....A...	.....G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_153	.....	.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_160	..TC...T..	C.C.....	.....T...	A...G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_162	..C...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_164	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_186	..TC...T..	C.C.....	.....A...	.....G....	..TC...T..	C.C.....	.....	.....
PFD1160w_exon1_Kilifi_187	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_191	..TC...T..	C.C.....	.....	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_194	.....	.....	.....	.....G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_199	..TC...T..	C.C.....C.	.....T...	A...G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_202	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_214	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_216	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_229	..C.....	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_240	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_247	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_258	..C.....	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_262	..TC...T..	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_298	..TC...T..	C.C.....	.....T...	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_299	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_301	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_302	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_307	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_311	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_314	..TC...T..	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_319	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_321	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_322	..C...T..	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_324	..TC...T..	C.C.....	.....A...	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_331	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_336	..TC...T..	C.C.....	.....A...	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_340	..TC...T..	C.C.....	.....A...	.....G....	.....A	.A...T..	...G.....	.....
PFD1160w_exon1_Kilifi_343	..TC...T..	C.C.....	.....A...	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_344	..TC...T..	C.C.....	.....A...	.....G....	.....A	.A...T..	...G.....	.....
PFD1160w_exon1_Kilifi_345	.....	.....	.....	.....G....	.....A	.A...T..	...G.....	..A..A...
PFD1160w_exon1_Kilifi_348	..TC...T..	C.C.....	.....A...	A...G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_349	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_356	..TC...T..	C.C.....	.....	.....G....	.....C...	.....	.....	.....
PFD1160w_exon1_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_365	..TC...T..	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_366	..C.....	C.C.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_384	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_389	..TC...T..	C.C.....	.....A...	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_406	.....	.....	.....	.....G....	.....	.....	.....	.....
PFD1160w_exon1_Kilifi_510	.....	.....	.....	A...G....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i> _exon1	.ATG..GC.	C.C.....	.....GT..C	A...G....	.....A...G.	..G...T..	.....G...	G..A.A...

	2010	2020	2030	2040	2050	2060	2070	2080
PFD1160w_3D7_exon1	CGTTGGTGCT	GGTATTAATG	TATCCTCAAT	ATTATCAATG	TTAGGTTTGT	CTAGTGGACA	AGTTCGAAGA	AGTGGTGGGC
PFD1160w_exon1_Kilifi_017	T		C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_528			C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_019	T		C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_020								
PFD1160w_exon1_Kilifi_023								
PFD1160w_exon1_Kilifi_027								
PFD1160w_exon1_Kilifi_028								
PFD1160w_exon1_Kilifi_039								
PFD1160w_exon1_Kilifi_044	T		C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_045			G					
PFD1160w_exon1_Kilifi_050			G	G				A.T
PFD1160w_exon1_Kilifi_051								
PFD1160w_exon1_Kilifi_052								
PFD1160w_exon1_Kilifi_057								
PFD1160w_exon1_Kilifi_062								
PFD1160w_exon1_Kilifi_082	T		C.C.T..G		T		A	A.T
PFD1160w_exon1_Kilifi_084			G					
PFD1160w_exon1_Kilifi_093								
PFD1160w_exon1_Kilifi_097	T		C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_105								
PFD1160w_exon1_Kilifi_110	T		C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_124			C					
PFD1160w_exon1_Kilifi_150	T		C.C.T					
PFD1160w_exon1_Kilifi_153								
PFD1160w_exon1_Kilifi_160	T				T			
PFD1160w_exon1_Kilifi_162			G					
PFD1160w_exon1_Kilifi_164			G					
PFD1160w_exon1_Kilifi_186			G					
PFD1160w_exon1_Kilifi_187								
PFD1160w_exon1_Kilifi_191			G					
PFD1160w_exon1_Kilifi_194	T	T	G	G				A.T
PFD1160w_exon1_Kilifi_199	T		C.C.T		T		A	A.T
PFD1160w_exon1_Kilifi_201								
PFD1160w_exon1_Kilifi_202			G					
PFD1160w_exon1_Kilifi_214								
PFD1160w_exon1_Kilifi_216		A						
PFD1160w_exon1_Kilifi_229								
PFD1160w_exon1_Kilifi_240								
PFD1160w_exon1_Kilifi_247			G					
PFD1160w_exon1_Kilifi_258								
PFD1160w_exon1_Kilifi_262								
PFD1160w_exon1_Kilifi_297			C.C					
PFD1160w_exon1_Kilifi_298			G				A	A.T
PFD1160w_exon1_Kilifi_299			G					
PFD1160w_exon1_Kilifi_301								
PFD1160w_exon1_Kilifi_302								
PFD1160w_exon1_Kilifi_307								
PFD1160w_exon1_Kilifi_311								
PFD1160w_exon1_Kilifi_314								
PFD1160w_exon1_Kilifi_319								
PFD1160w_exon1_Kilifi_321			G					
PFD1160w_exon1_Kilifi_322			C.C					
PFD1160w_exon1_Kilifi_324								
PFD1160w_exon1_Kilifi_331								
PFD1160w_exon1_Kilifi_336								
PFD1160w_exon1_Kilifi_340					T			
PFD1160w_exon1_Kilifi_343			C					
PFD1160w_exon1_Kilifi_344					T			
PFD1160w_exon1_Kilifi_345	T	T	G	G				A.T
PFD1160w_exon1_Kilifi_348								
PFD1160w_exon1_Kilifi_349								
PFD1160w_exon1_Kilifi_356								
PFD1160w_exon1_Kilifi_364		T						
PFD1160w_exon1_Kilifi_365								
PFD1160w_exon1_Kilifi_366			G	G				
PFD1160w_exon1_Kilifi_384								
PFD1160w_exon1_Kilifi_389			C					
PFD1160w_exon1_Kilifi_406								
PFD1160w_exon1_Kilifi_510	T		C.C.T		T		A	A.T
<i>Plasmodium reichenowi</i> _exon1	T..A..T..		..C.....	..T..G..		..A..C	..A..A..	..A..AAA..AA.

2250 2260 2270 2280 2290
.....|.....|.....|.....|.....|.....|..
AGTGCATTA GTAACATTG TATTCTTTT TATGTTTTG GTATTTAATA AG

PFD1160w_3D7_exon1
PFD1160w_exon1_Kilifi_017
PFD1160w_exon1_Kilifi_528
PFD1160w_exon1_Kilifi_019
PFD1160w_exon1_Kilifi_020
PFD1160w_exon1_Kilifi_023
PFD1160w_exon1_Kilifi_027
PFD1160w_exon1_Kilifi_028
PFD1160w_exon1_Kilifi_039
PFD1160w_exon1_Kilifi_044
PFD1160w_exon1_Kilifi_045
PFD1160w_exon1_Kilifi_050
PFD1160w_exon1_Kilifi_051
PFD1160w_exon1_Kilifi_052
PFD1160w_exon1_Kilifi_057
PFD1160w_exon1_Kilifi_062
PFD1160w_exon1_Kilifi_082
PFD1160w_exon1_Kilifi_084
PFD1160w_exon1_Kilifi_093
PFD1160w_exon1_Kilifi_097
PFD1160w_exon1_Kilifi_105
PFD1160w_exon1_Kilifi_110
PFD1160w_exon1_Kilifi_124
PFD1160w_exon1_Kilifi_150
PFD1160w_exon1_Kilifi_153
PFD1160w_exon1_Kilifi_160
PFD1160w_exon1_Kilifi_162
PFD1160w_exon1_Kilifi_164
PFD1160w_exon1_Kilifi_186
PFD1160w_exon1_Kilifi_187
PFD1160w_exon1_Kilifi_191
PFD1160w_exon1_Kilifi_194
PFD1160w_exon1_Kilifi_199
PFD1160w_exon1_Kilifi_201
PFD1160w_exon1_Kilifi_202
PFD1160w_exon1_Kilifi_214
PFD1160w_exon1_Kilifi_216
PFD1160w_exon1_Kilifi_229
PFD1160w_exon1_Kilifi_240
PFD1160w_exon1_Kilifi_247
PFD1160w_exon1_Kilifi_258
PFD1160w_exon1_Kilifi_262
PFD1160w_exon1_Kilifi_297
PFD1160w_exon1_Kilifi_298
PFD1160w_exon1_Kilifi_299
PFD1160w_exon1_Kilifi_301
PFD1160w_exon1_Kilifi_302
PFD1160w_exon1_Kilifi_307
PFD1160w_exon1_Kilifi_311
PFD1160w_exon1_Kilifi_314
PFD1160w_exon1_Kilifi_319
PFD1160w_exon1_Kilifi_321
PFD1160w_exon1_Kilifi_322
PFD1160w_exon1_Kilifi_324
PFD1160w_exon1_Kilifi_331
PFD1160w_exon1_Kilifi_336
PFD1160w_exon1_Kilifi_340
PFD1160w_exon1_Kilifi_343
PFD1160w_exon1_Kilifi_344
PFD1160w_exon1_Kilifi_345
PFD1160w_exon1_Kilifi_348
PFD1160w_exon1_Kilifi_349
PFD1160w_exon1_Kilifi_356
PFD1160w_exon1_Kilifi_364
PFD1160w_exon1_Kilifi_365
PFD1160w_exon1_Kilifi_366
PFD1160w_exon1_Kilifi_384
PFD1160w_exon1_Kilifi_389
PFD1160w_exon1_Kilifi_406
PFD1160w_exon1_Kilifi_510
*Plasmodium reichenowi*_exon1

Supplementary Figure 2c

```
10      20      30      40      50      60      70      80
.....|.....|.....|.....|.....|.....|.....|.....|
PF07_0004_3D7_exon2
PF07_0004_exon2_Kilifi_311
PF07_0004_exon2_Kilifi_314
PF07_0004_exon2_Kilifi_319
PF07_0004_exon2_Kilifi_321
PF07_0004_exon2_Kilifi_322
PF07_0004_exon2_Kilifi_323
PF07_0004_exon2_Kilifi_258
PF07_0004_exon2_Kilifi_290
PF07_0004_exon2_Kilifi_297
PF07_0004_exon2_Kilifi_299
PF07_0004_exon2_Kilifi_301
PF07_0004_exon2_Kilifi_302
PF07_0004_exon2_Kilifi_310
PF07_0004_exon2_Kilifi_019
PF07_0004_exon2_Kilifi_044
PF07_0004_exon2_Kilifi_093
PF07_0004_exon2_Kilifi_097
PF07_0004_exon2_Kilifi_201
PF07_0004_exon2_Kilifi_235
PF07_0004_exon2_Kilifi_245
PF07_0004_exon2_Kilifi_027
PF07_0004_exon2_Kilifi_028
PF07_0004_exon2_Kilifi_050
PF07_0004_exon2_Kilifi_052
PF07_0004_exon2_Kilifi_062
PF07_0004_exon2_Kilifi_082
PF07_0004_exon2_Kilifi_091
PF07_0004_exon2_Kilifi_105
PF07_0004_exon2_Kilifi_110
PF07_0004_exon2_Kilifi_160
PF07_0004_exon2_Kilifi_164
PF07_0004_exon2_Kilifi_199
PF07_0004_exon2_Kilifi_202
PF07_0004_exon2_Kilifi_247
PF07_0004_exon2_Kilifi_249
PF07_0004_exon2_Kilifi_333
PF07_0004_exon2_Kilifi_334
PF07_0004_exon2_Kilifi_340
PF07_0004_exon2_Kilifi_343
PF07_0004_exon2_Kilifi_344
PF07_0004_exon2_Kilifi_345
PF07_0004_exon2_Kilifi_349
PF07_0004_exon2_Kilifi_356
PF07_0004_exon2_Kilifi_364
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_365
PF07_0004_exon2_Kilifi_384
PF07_0004_exon2_Kilifi_389
PF07_0004_exon2_Kilifi_406
PF07_0004_exon2_Kilifi_510
PF07_0004_exon2_Kilifi_366
PF07_0004_exon2_Kilifi_023
PF07_0004_exon2_Kilifi_057
PF07_0004_exon2_Kilifi_191
PF07_0004_exon2_Kilifi_194
PF07_0004_exon2_Kilifi_250
PF07_0004_exon2_Kilifi_289
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_348
Plasmodium reichenowi
```


	650	660	670	680	690	700	710	720
PF07_0004_3D7_exon2	ACAAAAGGAA	ATAGATCCAT	TAAAAAATAA	-TGAAATAAA	ATCTTACGAT	CCTTTTAAAA	GGGACACAAT	TAAAGCGCAA
PF07_0004_exon2_Kilifi_311A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_321A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_290C.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_019A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_097A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_201A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_245A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050A.....	.....	-.....	.....	.....C.....	.....	.....
PF07_0004_exon2_Kilifi_052A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_082A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_202A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_249A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_333A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_334A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_349A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_356A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_364A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_384A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_389A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_510A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_057A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328A.....	.....	-.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348A.....	.....	-.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	.....G.....	.....C.....	.....T.....	A.....T.....	.....T.....	.....T.....	.....T.TG..	.....C.AG..

	730	740	750	760	770	780	790	800
PF07_0004_3D7_exon2	GATAATTTAA	ATGGAAACGA	AAGAAAAGCA	TATGATCCTT	TTAAAAAGGA	TATGGTTAAA	CCAGAAGATA	ATTTAAGAAA
PF07_0004_exon2_Kilifi_311	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	.A.....	.....GT...	.....T.	.....	.....G...	..G.AAC.C..	..GC.....	.....G
PF07_0004_exon2_Kilifi_321	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323	.A.....T.	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_290	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301	.....T.	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302	.A.....	.....GT...	.....A.	.....	.....	.....T.....	.....	.....
PF07_0004_exon2_Kilifi_310	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_019	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_097	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_201	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235	.A.....	..A..GTA..	.....A.	.....	.....	.....C.....	.....C.....	.....
PF07_0004_exon2_Kilifi_245	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_052	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_082	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_202	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_249	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_333	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_334	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....G
PF07_0004_exon2_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_384	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_389	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_510	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348	.A.....	.....GT...	.....A.	.....	.....	.....	.....	.....G
<i>Plasmodium reichenowi</i>	.....GAA.GG.A..	.....T...T..	.....	.....G...	.....A.....	.....G.....	.....	.....G

	890	900	910	920	930	940	950	960
PF07_0004_3D7_exon2	CATATGATAC	TTTAAAAAGA	AATGTAACAC	AAATGCAAGA	TAATTTAAAA	AGGGAAGAAA	GAAAACCATA	TGATCCTTTA
PF07_0004_exon2_Kilifi_311	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	.....C.	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_321	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_290	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_019	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_044	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_097	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_201	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_245	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_028	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_052	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_082	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_202	.....C.	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_249	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_333	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_334	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340	-----	-----	.....C.	.....	.C.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_356	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_364	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_328	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_384	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_389	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_510	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366	-----	-----	.....	.....	.....	.T...A...	...A....	.....
PF07_0004_exon2_Kilifi_023	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289	-----	-----	.....C.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	-----	-----	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348	-----	-----	.....C.	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	-----	-----	G...A.G.TTA	..CCAG...	.....G.	.....	.T...T...	.....

	970	980	990	1000	1010	1020	1030	1040
PF07_0004_3D7_exon2	AAAAGAGATG	CAACACAAAC	GCAAGATAAT	TTAAGAAGGG	AAGAA			
PF07_0004_exon2_Kilifi_311								
PF07_0004_exon2_Kilifi_314				A				
PF07_0004_exon2_Kilifi_319								
PF07_0004_exon2_Kilifi_321								
PF07_0004_exon2_Kilifi_322								
PF07_0004_exon2_Kilifi_323								
PF07_0004_exon2_Kilifi_258	A	T		A				
PF07_0004_exon2_Kilifi_290								
PF07_0004_exon2_Kilifi_297								
PF07_0004_exon2_Kilifi_299								
PF07_0004_exon2_Kilifi_301								
PF07_0004_exon2_Kilifi_302								
PF07_0004_exon2_Kilifi_310	A	T		A				
PF07_0004_exon2_Kilifi_019	A	T		A				
PF07_0004_exon2_Kilifi_044								
PF07_0004_exon2_Kilifi_093	A	T		A				
PF07_0004_exon2_Kilifi_097								
PF07_0004_exon2_Kilifi_201								
PF07_0004_exon2_Kilifi_235								
PF07_0004_exon2_Kilifi_245								
PF07_0004_exon2_Kilifi_027	A	T		A				
PF07_0004_exon2_Kilifi_028								
PF07_0004_exon2_Kilifi_050	A	T		A				
PF07_0004_exon2_Kilifi_052								
PF07_0004_exon2_Kilifi_062								
PF07_0004_exon2_Kilifi_082								
PF07_0004_exon2_Kilifi_091								
PF07_0004_exon2_Kilifi_105								
PF07_0004_exon2_Kilifi_110								
PF07_0004_exon2_Kilifi_160								
PF07_0004_exon2_Kilifi_164								
PF07_0004_exon2_Kilifi_199								
PF07_0004_exon2_Kilifi_202								
PF07_0004_exon2_Kilifi_247	A	T		A				
PF07_0004_exon2_Kilifi_249	A	T		A				
PF07_0004_exon2_Kilifi_333								
PF07_0004_exon2_Kilifi_334								
PF07_0004_exon2_Kilifi_340								
PF07_0004_exon2_Kilifi_343								
PF07_0004_exon2_Kilifi_344					GGAAA	ACCATATGAT	CCTTTAAAAA	GAGATGCAAC
PF07_0004_exon2_Kilifi_345								
PF07_0004_exon2_Kilifi_349								
PF07_0004_exon2_Kilifi_356								
PF07_0004_exon2_Kilifi_364	A	T		A				
PF07_0004_exon2_Kilifi_328		T		A		AGAAA	ACCATATGAT	CCTTTAAAAA
PF07_0004_exon2_Kilifi_365								
PF07_0004_exon2_Kilifi_384								
PF07_0004_exon2_Kilifi_389								
PF07_0004_exon2_Kilifi_406	A	T		A				
PF07_0004_exon2_Kilifi_510								
PF07_0004_exon2_Kilifi_366	A	T		A		AGAAA	ACCATATGAT	CCTTTAAAAA
PF07_0004_exon2_Kilifi_023								
PF07_0004_exon2_Kilifi_057								
PF07_0004_exon2_Kilifi_191								
PF07_0004_exon2_Kilifi_194								
PF07_0004_exon2_Kilifi_250								
PF07_0004_exon2_Kilifi_289								
PF07_0004_exon2_Kilifi_328		T		A		AGAAA	ACCATATGAT	CCTTTAAAAA
PF07_0004_exon2_Kilifi_348								
<i>Plasmodium reichenowi</i>		T	A	A	T			

	1450	1460	1470	1480	1490	1500	1510	1520
PF07_0004_3D7_exon2	GCGCAAGGTA	ATATAAAAAG	GGAAGAAATA	ATAATACAAG	ATGCTTTTAA	AAAAGATGAA	AGGAAATCTC	AAAATACGTC
PF07_0004_exon2_Kilifi_311A.....	.....T
PF07_0004_exon2_Kilifi_314	A.A....A..	T.T.....	A.....	.....	.....	.....	..A.....	.....T
PF07_0004_exon2_Kilifi_319A.....	.....T
PF07_0004_exon2_Kilifi_321	A.A....A..	T.T.....	A.....	.....	.....	.....	..A.....	.....T
PF07_0004_exon2_Kilifi_322T
PF07_0004_exon2_Kilifi_323A.....	.....T
PF07_0004_exon2_Kilifi_258T
PF07_0004_exon2_Kilifi_290T.....	.....	.....	.....	.....	.....	.....T
PF07_0004_exon2_Kilifi_297T
PF07_0004_exon2_Kilifi_299T
PF07_0004_exon2_Kilifi_301A.....	.....T
PF07_0004_exon2_Kilifi_302A.....	.....T
PF07_0004_exon2_Kilifi_310T
PF07_0004_exon2_Kilifi_019T
PF07_0004_exon2_Kilifi_044A.....	.....T
PF07_0004_exon2_Kilifi_093T
PF07_0004_exon2_Kilifi_097A.....	.....T
PF07_0004_exon2_Kilifi_201T
PF07_0004_exon2_Kilifi_235T
PF07_0004_exon2_Kilifi_245T
PF07_0004_exon2_Kilifi_027T
PF07_0004_exon2_Kilifi_028A.....	.....T
PF07_0004_exon2_Kilifi_050C.....T
PF07_0004_exon2_Kilifi_052A.....	.....T
PF07_0004_exon2_Kilifi_062A.....	.....T
PF07_0004_exon2_Kilifi_082A.....	.....T
PF07_0004_exon2_Kilifi_091A.....	.....T
PF07_0004_exon2_Kilifi_105A.....	.....T
PF07_0004_exon2_Kilifi_110	-----	-----	A.....	.....	.....	.....	..A.....	.....T
PF07_0004_exon2_Kilifi_160A.....	.....T
PF07_0004_exon2_Kilifi_164A.....	.....T
PF07_0004_exon2_Kilifi_199A.....	.....T
PF07_0004_exon2_Kilifi_202A.....	.....T
PF07_0004_exon2_Kilifi_247A.....	.....T
PF07_0004_exon2_Kilifi_249T
PF07_0004_exon2_Kilifi_333A.....	.....T
PF07_0004_exon2_Kilifi_334T
PF07_0004_exon2_Kilifi_340A.....	.....T
PF07_0004_exon2_Kilifi_343A.....	.....T
PF07_0004_exon2_Kilifi_344T
PF07_0004_exon2_Kilifi_345T
PF07_0004_exon2_Kilifi_349A.....	.....T
PF07_0004_exon2_Kilifi_356T
PF07_0004_exon2_Kilifi_364T
PF07_0004_exon2_Kilifi_328	A.A....A..	T.T.....	A.....	.....	.....	.....	..A.....	.....T
PF07_0004_exon2_Kilifi_365A.....	.....T
PF07_0004_exon2_Kilifi_384A.....	.....T
PF07_0004_exon2_Kilifi_389	-----	-----	A.....	.....	.....	.....	..A.....	.....T
PF07_0004_exon2_Kilifi_406T
PF07_0004_exon2_Kilifi_510T
PF07_0004_exon2_Kilifi_366T
PF07_0004_exon2_Kilifi_023A.....	.....T
PF07_0004_exon2_Kilifi_057	-----	-----T
PF07_0004_exon2_Kilifi_191T
PF07_0004_exon2_Kilifi_194A.....	.....T
PF07_0004_exon2_Kilifi_250A.....	.....T
PF07_0004_exon2_Kilifi_289A.....	.....T
PF07_0004_exon2_Kilifi_328	A.A....A..	T.T.....	A.....	.....	.....	.....	..A.....	.....T
PF07_0004_exon2_Kilifi_348A.....	.....T
<i>Plasmodium reichenowi</i>	-----	-----	-----A.....	..G.....	..A...C...	.....A.T

	1530	1540	1550	1560	1570	1580	1590	1600
PF07_0004_3D7_exon2	CAA	AATGGAT	GAAATAACAA	TACAGGATAA	TTTAGGGAGA	GATAGAATAA	TAGTAAAGGA	TACTTTTAAG AAAGAAGAAA
PF07_0004_exon2_Kilifi_311	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_321	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322	.....G.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_290	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299	.....G.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_019	.....	.....	.....	.....C.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_097	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_201	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235	.....G.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_245	.....G.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_052	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_082	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110	.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_202	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_249	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_333	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_334	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_349	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_384	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_389	.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_510	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	.....	.....	.....	.....A.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348	.....G.....	.....	.....	.....A.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	A.....G.....	.G...G.T..	.....	.....	.....A.....	.....C.A.C	..T.....	.....G

	2090	2100	2110	2120	2130	2140	2150	2160
PF07_0004_3D7_exon2	AATATGAAGA	TGCAGATGAA	GATTTAACAA	AAAAATATAG	AATGAAAGAA	CTTATGAGTT	TATATTTTGA	GGATATGGAT
PF07_0004_exon2_Kilifi_311A	.....A	.....
PF07_0004_exon2_Kilifi_314A	.....A	.....
PF07_0004_exon2_Kilifi_319
PF07_0004_exon2_Kilifi_321
PF07_0004_exon2_Kilifi_322
PF07_0004_exon2_Kilifi_323
PF07_0004_exon2_Kilifi_258
PF07_0004_exon2_Kilifi_290
PF07_0004_exon2_Kilifi_297A	.....A	.....
PF07_0004_exon2_Kilifi_299A	.....A	.....
PF07_0004_exon2_Kilifi_301A	.....A	.....
PF07_0004_exon2_Kilifi_302T	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310
PF07_0004_exon2_Kilifi_019A	.....A	.....
PF07_0004_exon2_Kilifi_044
PF07_0004_exon2_Kilifi_093
PF07_0004_exon2_Kilifi_097
PF07_0004_exon2_Kilifi_201A	.....A	.....
PF07_0004_exon2_Kilifi_235
PF07_0004_exon2_Kilifi_245A	.....A	.....
PF07_0004_exon2_Kilifi_027A	.....A	.....
PF07_0004_exon2_Kilifi_028
PF07_0004_exon2_Kilifi_050A	.....A	.....
PF07_0004_exon2_Kilifi_052
PF07_0004_exon2_Kilifi_062
PF07_0004_exon2_Kilifi_082A	.....A	.....
PF07_0004_exon2_Kilifi_091A	.....A	.....
PF07_0004_exon2_Kilifi_105A	.....A	.....
PF07_0004_exon2_Kilifi_110A	.....A	.....
PF07_0004_exon2_Kilifi_160
PF07_0004_exon2_Kilifi_164A	.....A	.....
PF07_0004_exon2_Kilifi_199
PF07_0004_exon2_Kilifi_202
PF07_0004_exon2_Kilifi_247
PF07_0004_exon2_Kilifi_249
PF07_0004_exon2_Kilifi_333
PF07_0004_exon2_Kilifi_334A	.....A	.....
PF07_0004_exon2_Kilifi_340A	.....A	.....
PF07_0004_exon2_Kilifi_343
PF07_0004_exon2_Kilifi_344A	.....A	.....
PF07_0004_exon2_Kilifi_345
PF07_0004_exon2_Kilifi_349A	.....A	.....
PF07_0004_exon2_Kilifi_356
PF07_0004_exon2_Kilifi_364A	.....A	.....
PF07_0004_exon2_Kilifi_328A	.....A	.....
PF07_0004_exon2_Kilifi_365
PF07_0004_exon2_Kilifi_384A	.....A	.....
PF07_0004_exon2_Kilifi_389A	.....A	.....
PF07_0004_exon2_Kilifi_406A	.....A	.....
PF07_0004_exon2_Kilifi_510A	.....A	.....
PF07_0004_exon2_Kilifi_366A	.....A	.....
PF07_0004_exon2_Kilifi_023
PF07_0004_exon2_Kilifi_057A	.....A	.....
PF07_0004_exon2_Kilifi_191A	.....A	.....
PF07_0004_exon2_Kilifi_194A	.....A	.....
PF07_0004_exon2_Kilifi_250
PF07_0004_exon2_Kilifi_289A	.....A	.....
PF07_0004_exon2_Kilifi_328A	.....A	.....
PF07_0004_exon2_Kilifi_348
<i>Plasmodium reichenowi</i>	-----	G	.....	.....	.....A	.....T.TA	.....

	2170	2180	2190	2200	2210	2220	2230	2240
PF07_0004_3D7_exon2	TACTTTCATC	AAAGTGATAT	ATAT-----	-----AAAG	TTATTGAAAA	ATATAGTAAA	CAAAAAGAAT	ATTCTTCTAT
PF07_0004_exon2_Kilifi_311	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	-----	-----
PF07_0004_exon2_Kilifi_321	-----	-----
PF07_0004_exon2_Kilifi_322	-----	-----
PF07_0004_exon2_Kilifi_323	-----	-----
PF07_0004_exon2_Kilifi_258	-----	-----
PF07_0004_exon2_Kilifi_290	-----	-----
PF07_0004_exon2_Kilifi_297	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302	-----	-----
PF07_0004_exon2_Kilifi_310	-----	-----
PF07_0004_exon2_Kilifi_019	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044	-----	-----
PF07_0004_exon2_Kilifi_093	-----	-----
PF07_0004_exon2_Kilifi_097	-----	-----
PF07_0004_exon2_Kilifi_201	-----	-----
PF07_0004_exon2_Kilifi_235	-----	-----
PF07_0004_exon2_Kilifi_245	...C.....	.....	-----	-----	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028	-----	-----
PF07_0004_exon2_Kilifi_050	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_052	-----	-----
PF07_0004_exon2_Kilifi_062	-----	-----
PF07_0004_exon2_Kilifi_082	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091	-----	-----
PF07_0004_exon2_Kilifi_105	-----	-----
PF07_0004_exon2_Kilifi_110	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160	-----	-----
PF07_0004_exon2_Kilifi_164	-----	-----
PF07_0004_exon2_Kilifi_199	-----	-----
PF07_0004_exon2_Kilifi_202	-----	-----
PF07_0004_exon2_Kilifi_247	-----	-----
PF07_0004_exon2_Kilifi_249	-----	-----
PF07_0004_exon2_Kilifi_333	-----	-----
PF07_0004_exon2_Kilifi_334	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343	-----	-----
PF07_0004_exon2_Kilifi_344	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345	-----	-----
PF07_0004_exon2_Kilifi_349	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_356	-----	-----
PF07_0004_exon2_Kilifi_364	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365	-----	-----
PF07_0004_exon2_Kilifi_384	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_389	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_510	-----	-----A.....	.....G.....	.....T.....	.....
PF07_0004_exon2_Kilifi_366	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023	-----	-----
PF07_0004_exon2_Kilifi_057	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250	-----	-----
PF07_0004_exon2_Kilifi_289	-----	-----
PF07_0004_exon2_Kilifi_328	-----	-----A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348	-----	-----
<i>Plasmodium reichenowi</i>	G.....	.....	...ATATAT	ATATAT.T.A	.....	.....	.....G.....	.....

	2250	2260	2270	2280	2290	2300	2310	2320
PF07_0004_3D7_exon2	TATGACACCT	ATGTTTAAGG	ATTTTATGGA	AACACATCGC	ATAAGTTCTA	AATTAAGTAA	AACTATTCTG	GTAACACTTG
PF07_0004_exon2_Kilifi_311
PF07_0004_exon2_Kilifi_314C.G	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_321C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_322C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_323C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_258
PF07_0004_exon2_Kilifi_290C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_297C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_299C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_301
PF07_0004_exon2_Kilifi_302C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_310C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_019C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_044G	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_097C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_201C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_235C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_245G	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027
PF07_0004_exon2_Kilifi_028C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_050
PF07_0004_exon2_Kilifi_052C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_062C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_082
PF07_0004_exon2_Kilifi_091C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_105C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_110
PF07_0004_exon2_Kilifi_160C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_164C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_199
PF07_0004_exon2_Kilifi_202C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_247C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_249C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_333
PF07_0004_exon2_Kilifi_334C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_340
PF07_0004_exon2_Kilifi_343C.G	.....C	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_344
PF07_0004_exon2_Kilifi_345
PF07_0004_exon2_Kilifi_349
PF07_0004_exon2_Kilifi_356
PF07_0004_exon2_Kilifi_364
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_365C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_384GA..	.....
PF07_0004_exon2_Kilifi_389
PF07_0004_exon2_Kilifi_406
PF07_0004_exon2_Kilifi_510C.G	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366GA..	.....
PF07_0004_exon2_Kilifi_023C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_057C.G	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191
PF07_0004_exon2_Kilifi_194
PF07_0004_exon2_Kilifi_250C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_289C.G	.....	.....	.....GA..	.....
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_348C.G	.....	.....	.....GA..	.....
<i>Plasmodium reichenowi</i>	...T...A	..A.....	.....	...A.T	A.....	T.....	.....G.	...T.....

	2330	2340	2350	2360	2370	2380	2390	2400
PF07_0004_3D7_exon2	GACTAATTGT	CATCCTTACA	ATAA CCTTAG	GAATAGTAGG	CATTGCCGCT	GGATCTTCAA	TAGCTACTTT	TTCTACGGCT
PF07_0004_exon2_Kilifi_311
PF07_0004_exon2_Kilifi_314T.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319G..GC.C	T....G...T.....	T.....T..C....	G.G.C.A..G..A..	AA.C.A...	.....
PF07_0004_exon2_Kilifi_321
PF07_0004_exon2_Kilifi_322
PF07_0004_exon2_Kilifi_323
PF07_0004_exon2_Kilifi_258
PF07_0004_exon2_Kilifi_290
PF07_0004_exon2_Kilifi_297
PF07_0004_exon2_Kilifi_299
PF07_0004_exon2_Kilifi_301
PF07_0004_exon2_Kilifi_302
PF07_0004_exon2_Kilifi_310
PF07_0004_exon2_Kilifi_019
PF07_0004_exon2_Kilifi_044T.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093
PF07_0004_exon2_Kilifi_097
PF07_0004_exon2_Kilifi_201
PF07_0004_exon2_Kilifi_235
PF07_0004_exon2_Kilifi_245
PF07_0004_exon2_Kilifi_027
PF07_0004_exon2_Kilifi_028
PF07_0004_exon2_Kilifi_050
PF07_0004_exon2_Kilifi_052
PF07_0004_exon2_Kilifi_062
PF07_0004_exon2_Kilifi_082
PF07_0004_exon2_Kilifi_091
PF07_0004_exon2_Kilifi_105
PF07_0004_exon2_Kilifi_110
PF07_0004_exon2_Kilifi_160
PF07_0004_exon2_Kilifi_164
PF07_0004_exon2_Kilifi_199
PF07_0004_exon2_Kilifi_202
PF07_0004_exon2_Kilifi_247
PF07_0004_exon2_Kilifi_249
PF07_0004_exon2_Kilifi_333
PF07_0004_exon2_Kilifi_334G..GC.C	T....G...T.....	T.....T..C....	G.G.C.A..G..A..	AA.C.A...	.....
PF07_0004_exon2_Kilifi_340
PF07_0004_exon2_Kilifi_343
PF07_0004_exon2_Kilifi_344
PF07_0004_exon2_Kilifi_345
PF07_0004_exon2_Kilifi_349
PF07_0004_exon2_Kilifi_356
PF07_0004_exon2_Kilifi_364
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_365G..GC.C	T....G...T.....	T.....T..C....	G.G.C.A..G..A..	AA.C.A...	.....
PF07_0004_exon2_Kilifi_384G..GC.C	T....G...T.....	T.....T..C....	G.G.C.A..G..A..	AA.C.A...	.....
PF07_0004_exon2_Kilifi_389
PF07_0004_exon2_Kilifi_406
PF07_0004_exon2_Kilifi_510	..T....A.G.....	...G.....	T....G...T....	AT.....	TT	GT.G.CTGG.	G.G.GGT---	.....
PF07_0004_exon2_Kilifi_366
PF07_0004_exon2_Kilifi_023
PF07_0004_exon2_Kilifi_057	..T....A.G.....	...G.....	T....G...T....	AT.....	TT	GT.G.CTGG.	G.G.GGT---	.....
PF07_0004_exon2_Kilifi_191
PF07_0004_exon2_Kilifi_194
PF07_0004_exon2_Kilifi_250
PF07_0004_exon2_Kilifi_289
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_348
<i>Plasmodium reichenowi</i>	.....A.G..A.....	...G.T.C.C	T....C...T....	A.ATG.....	TT	GTAG.TTGG.	..G.GGT---	.....

	2490	2500	2510	2520	2530	2540	2550	2560
PF07_0004_3D7_exon2	AGCATTTATA	GAAAAATATT	TTAAAATTAA	AGGCATAGAA	TATAACAACA	CGAATGTAA	TAATATAAAT	TCATTTCAG
PF07_0004_exon2_Kilifi_311								
PF07_0004_exon2_Kilifi_314								
PF07_0004_exon2_Kilifi_319					G	C	G	
PF07_0004_exon2_Kilifi_321					G			
PF07_0004_exon2_Kilifi_322					G			
PF07_0004_exon2_Kilifi_323					G			
PF07_0004_exon2_Kilifi_258					G			
PF07_0004_exon2_Kilifi_290					G		C	
PF07_0004_exon2_Kilifi_297					G			
PF07_0004_exon2_Kilifi_299					G			
PF07_0004_exon2_Kilifi_301								
PF07_0004_exon2_Kilifi_302					G			
PF07_0004_exon2_Kilifi_310					G			
PF07_0004_exon2_Kilifi_019								
PF07_0004_exon2_Kilifi_044								
PF07_0004_exon2_Kilifi_093					G			
PF07_0004_exon2_Kilifi_097					G			
PF07_0004_exon2_Kilifi_201					G			
PF07_0004_exon2_Kilifi_235					G			
PF07_0004_exon2_Kilifi_245					G		G	
PF07_0004_exon2_Kilifi_027								
PF07_0004_exon2_Kilifi_028					G			
PF07_0004_exon2_Kilifi_050								
PF07_0004_exon2_Kilifi_052								
PF07_0004_exon2_Kilifi_062								
PF07_0004_exon2_Kilifi_082								
PF07_0004_exon2_Kilifi_091								
PF07_0004_exon2_Kilifi_105								
PF07_0004_exon2_Kilifi_110								
PF07_0004_exon2_Kilifi_160					G			
PF07_0004_exon2_Kilifi_164								
PF07_0004_exon2_Kilifi_199								
PF07_0004_exon2_Kilifi_202					G			
PF07_0004_exon2_Kilifi_247								
PF07_0004_exon2_Kilifi_249								
PF07_0004_exon2_Kilifi_333								
PF07_0004_exon2_Kilifi_334					G	C	G	
PF07_0004_exon2_Kilifi_340								
PF07_0004_exon2_Kilifi_343				G	G			
PF07_0004_exon2_Kilifi_344								
PF07_0004_exon2_Kilifi_345								
PF07_0004_exon2_Kilifi_349								
PF07_0004_exon2_Kilifi_356								
PF07_0004_exon2_Kilifi_364			A		G			
PF07_0004_exon2_Kilifi_328								
PF07_0004_exon2_Kilifi_365					G	C	G	
PF07_0004_exon2_Kilifi_384					G	C	G	
PF07_0004_exon2_Kilifi_389								
PF07_0004_exon2_Kilifi_406								
PF07_0004_exon2_Kilifi_510	A							
PF07_0004_exon2_Kilifi_366					G			
PF07_0004_exon2_Kilifi_023					G			
PF07_0004_exon2_Kilifi_057	A							
PF07_0004_exon2_Kilifi_191								
PF07_0004_exon2_Kilifi_194								
PF07_0004_exon2_Kilifi_250					G			
PF07_0004_exon2_Kilifi_289					G			
PF07_0004_exon2_Kilifi_328								
PF07_0004_exon2_Kilifi_348								
<i>Plasmodium reichenowi</i>	T	A		AG	A	G	C	AT

	2570	2580	2590	2600	2610	2620	2630	2640
PF07_0004_3D7_exon2	GGGTAGTAAA	AAATATATGG	AATAAAAAAA	ATAGCACAAA	GTTTAACTCA	AATGAAAAAA	CTGTAAATGA	GAATCGCAC
PF07_0004_exon2_Kilifi_311
PF07_0004_exon2_Kilifi_314
PF07_0004_exon2_Kilifi_319G...G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_321
PF07_0004_exon2_Kilifi_322G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_290
PF07_0004_exon2_Kilifi_297G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301
PF07_0004_exon2_Kilifi_302G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_019
PF07_0004_exon2_Kilifi_044
PF07_0004_exon2_Kilifi_093G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_097G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_201G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_245G...G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027
PF07_0004_exon2_Kilifi_028G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050
PF07_0004_exon2_Kilifi_052G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062
PF07_0004_exon2_Kilifi_082
PF07_0004_exon2_Kilifi_091G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110
PF07_0004_exon2_Kilifi_160G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199
PF07_0004_exon2_Kilifi_202G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247
PF07_0004_exon2_Kilifi_249
PF07_0004_exon2_Kilifi_333
PF07_0004_exon2_Kilifi_334G...G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340
PF07_0004_exon2_Kilifi_343G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344
PF07_0004_exon2_Kilifi_345
PF07_0004_exon2_Kilifi_349G...G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_356
PF07_0004_exon2_Kilifi_364G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_365G...G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_384G...G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_389
PF07_0004_exon2_Kilifi_406
PF07_0004_exon2_Kilifi_510
PF07_0004_exon2_Kilifi_366G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023
PF07_0004_exon2_Kilifi_057
PF07_0004_exon2_Kilifi_191
PF07_0004_exon2_Kilifi_194
PF07_0004_exon2_Kilifi_250G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289G....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328
PF07_0004_exon2_Kilifi_348G....	.....T....	.....A...T	.....TGA.	.....TGA.G....	.....TG....A..	.....TC..A
<i>Plasmodium reichenowi</i>	.....G....	.....A....	.....T....	.....A...T	.....TGA.	.....TGA.G....	.....TG....A..	.....TC..A

	2650	2660	2670	2680	2690	2700	2710	2720
PF07_0004_3D7_exon2	CAAAAAAATA	TAAGCGGAAA	AACACTTCCA	ACAAACATTA	CAAGTAAGGC	ACCACAGAAT	AATGTACAAA	ACAAACCA--
PF07_0004_exon2_Kilifi_311A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_314A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_319C....	.A..T....	.....	.....C....	.....	.....G.A.CC
PF07_0004_exon2_Kilifi_321A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_322C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_323A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_258C....	.....	.....	.....	.....	.....--CC
PF07_0004_exon2_Kilifi_290C....	.A.....	.....	.....	.....	.....CC
PF07_0004_exon2_Kilifi_297C....	.....	.....	.....	.....C..C..T--	.....
PF07_0004_exon2_Kilifi_299C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_301A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_302C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_310C....	.....	.....	.....	.....	.....--CC
PF07_0004_exon2_Kilifi_019A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_044A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_093C....	.....	.....	.....	.....	.....--CC
PF07_0004_exon2_Kilifi_097C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_201C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_235C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_245C....	.A.....	.....	.....C....	.....	.....G.A.CC
PF07_0004_exon2_Kilifi_027A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_028C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_050A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_052C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_062A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_082A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_091C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_105C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_110C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_160A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_164C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_199A.....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_202C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_247A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_249A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_333A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_334C....	.A..T....	.....	.....C....	.....	.....G.A.CC
PF07_0004_exon2_Kilifi_340A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_343C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_344A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_345--CC
PF07_0004_exon2_Kilifi_349C....	.A.....	.....	.....C....	.....	.....G.A.CC
PF07_0004_exon2_Kilifi_356C....	.....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_364C....	.A.....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_328A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_365C....	.A.....	.....	.....C....	.....	.....G.A.CC
PF07_0004_exon2_Kilifi_384C....	.A.....	.....	.....C....	.....	.....G.A.CC
PF07_0004_exon2_Kilifi_389C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_406A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_510C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_366C....	.....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_023A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_057A.....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_191C....	.....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_194C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_250C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_289C....	.....	.....	.....	.....	.....--
PF07_0004_exon2_Kilifi_328A..T....	.....	.....	.....	.....A.CC
PF07_0004_exon2_Kilifi_348A..T....	.....	.....	.....	.....A.CC
<i>Plasmodium reichenowi</i>	AC.GG.....	.G.A.....	.T..CC..G	CA..T....	.T..A..	.T.....A	T..A.....	.G..A.--

	2730	2740	2750	2760	2770	2780	2790	2800
PF07_0004_3D7_exon2	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
	-CGACAGAAT	ATACAAAACC	AACATGAAAA	AAATGTACAA	AGTAAAGCAC	CTCAACAAAA	TATACAAAAA	AGGGCACCAC
PF07_0004_exon2_Kilifi_311	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	A.A..A..	G..G..T.	.....C...	.....A...	T.....	.....	.....TT..T.	.....
PF07_0004_exon2_Kilifi_321	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258	A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_290	T.A..T..	.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310	A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_019	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093	A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_097	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_201	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_245	A.A..A..	G..G..T.	.....C...	.....A...	.....	.....	.....A...	.....
PF07_0004_exon2_Kilifi_027	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_052	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_082	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199	T.A..A..	.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_202	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_249	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_333	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_334	A.A..A..	G..G..T.	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345	A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_349	A.A..A..	G..G..T.	.....C...	.....A...	T.....	.....	.....TT..T.	.....
PF07_0004_exon2_Kilifi_356	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_364	A.A.--..	.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365	A.A..A..	G..G..T.	.....C...	.....A...	T.....	.....	.....TT..T.	.....
PF07_0004_exon2_Kilifi_384	A.A..A..	G..G..T.	.....C...	.....A...	T.....	.....	.....TT..T.	.....
PF07_0004_exon2_Kilifi_389	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_510	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366	T.A..A..	.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_057	T.A..A..	.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191	T.A..A..	.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194	-...A...	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289	-.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348	T.A..A..	.A.....	.....C...	.....A...	.....	.....	.....AA..T..T-	.....
<i>Plasmodium reichenowi</i>	-----	-----	-----	-----	-----	T.G.....	.....	.....AA..T..T-

	2810	2820	2830	2840	2850	2860	2870	2880
PF07_0004_3D7_exon2	AAAAAATAA	ACAAAATAAT	ACTCCTGTGC	AAAATACAAT	AAGTAAATCT	CAAGTACAAA	ATAGAGTAAA	TAAATCTCCA
PF07_0004_exon2_Kilifi_311G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_314G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	..C.C...T	.....GG	G.A...CAA.	.....A.CA	..A...TA..	.CT.....	...C.A...G	.....A.
PF07_0004_exon2_Kilifi_321G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322
PF07_0004_exon2_Kilifi_323G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258
PF07_0004_exon2_Kilifi_290G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299
PF07_0004_exon2_Kilifi_301G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302
PF07_0004_exon2_Kilifi_310
PF07_0004_exon2_Kilifi_019G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093
PF07_0004_exon2_Kilifi_097
PF07_0004_exon2_Kilifi_201
PF07_0004_exon2_Kilifi_235
PF07_0004_exon2_Kilifi_245G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_027G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028
PF07_0004_exon2_Kilifi_050G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_052
PF07_0004_exon2_Kilifi_062G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_082G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_091	A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105	A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110
PF07_0004_exon2_Kilifi_160G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_164	A.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_202
PF07_0004_exon2_Kilifi_247G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_249G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_333G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_334G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_340G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343
PF07_0004_exon2_Kilifi_344G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345
PF07_0004_exon2_Kilifi_349	..C.C...T	.....GG	G.A...CAA.	.....A.CA	..A...TA..	.CT.....	...C.A...G	.....A.
PF07_0004_exon2_Kilifi_356G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_364G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_365	..C.C...T	.....GG	G.A...CAA.	.....A.CA	..A...TA..	.CT.....	...C.A...G	.....A.
PF07_0004_exon2_Kilifi_384	..C.C...T	.....GG	G.A...CAA.	.....A.CA	..A...TA..	.CT.....	...C.A...G	.....A.
PF07_0004_exon2_Kilifi_389
PF07_0004_exon2_Kilifi_406G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_510
PF07_0004_exon2_Kilifi_366G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_057G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_191G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_194
PF07_0004_exon2_Kilifi_250
PF07_0004_exon2_Kilifi_289
PF07_0004_exon2_Kilifi_328G.	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_348G.	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	-----	-----	-----T.A.	.....G.	.....A.	TC...G....	-----	-----

	2890	2900	2910	2920	2930	2940	2950	2960
PF07_0004_3D7_exon2	GTGCAAAATG	ATTATTCAAA	ACATAATGGA	CGAGGTCCTA	ACCAAATGAA	TAGACCTAAT	CCTAATAGAC	ATGTAGCACA
PF07_0004_exon2_Kilifi_311	..A.....	.....	.....	.....	.....T..	.....A.....	.....	.....
PF07_0004_exon2_Kilifi_314	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_319	..A.....	.....G	.....A.....	.....	.....T..	.....A.....	.....	.....
PF07_0004_exon2_Kilifi_321	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_322	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_323	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_258	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_290	..A.....	.....	.....A.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_301	..A.....	.....	.....G.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_302	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_310	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_019	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_044	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_097	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_235	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_245	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_027	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_028	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_050	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_052	-----	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_062	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_082	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_091	.....	.....	.....	.....T.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_105	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_110	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_160	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_164	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_199	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_202	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_247	..A.....	.....	.....A.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_249	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_333	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_334	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_340	..A.....	.....	.....A.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_343	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_344	..A.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_349	..A.....	.....G	.....A.....	.....	.....T..	.....A.....	.....	.....
PF07_0004_exon2_Kilifi_356	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_364	.....	.....	.....A.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_365	..A.....	.....G	.....A.....	.....	.....T..	.....A.....	.....	.....
PF07_0004_exon2_Kilifi_384	..A.....	.....G	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_389	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_406	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_510	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_366	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_023	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_057	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_191	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_194	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_250	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PF07_0004_exon2_Kilifi_328	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
PF07_0004_exon2_Kilifi_348	..A.....	.....	.....A.....	.....	.....T..	.....	.....	.....
<i>Plasmodium reichenowi</i>	-----	.....G.....	.....A.....	.....	.....T..	.....	.....A.....	.....


```

PF07_0004_3D7_exon2      ....|....| ...
                          ACCATTAAGA TAA
PF07_0004_exon2_Kilifi_311 .....
PF07_0004_exon2_Kilifi_314 .....
PF07_0004_exon2_Kilifi_319 .....
PF07_0004_exon2_Kilifi_321 .....
PF07_0004_exon2_Kilifi_322 .....
PF07_0004_exon2_Kilifi_323 .....
PF07_0004_exon2_Kilifi_258 .....
PF07_0004_exon2_Kilifi_290 .....
PF07_0004_exon2_Kilifi_297 .....
PF07_0004_exon2_Kilifi_299 .....
PF07_0004_exon2_Kilifi_301 .....
PF07_0004_exon2_Kilifi_302 .....
PF07_0004_exon2_Kilifi_310 .....
PF07_0004_exon2_Kilifi_019 .....
PF07_0004_exon2_Kilifi_044 .....
PF07_0004_exon2_Kilifi_093 .....
PF07_0004_exon2_Kilifi_097 .....
PF07_0004_exon2_Kilifi_201 .....
PF07_0004_exon2_Kilifi_235 .....
PF07_0004_exon2_Kilifi_245 .....
PF07_0004_exon2_Kilifi_027 .....
PF07_0004_exon2_Kilifi_028 .....
PF07_0004_exon2_Kilifi_050 .....
PF07_0004_exon2_Kilifi_052 .....
PF07_0004_exon2_Kilifi_062 .....
PF07_0004_exon2_Kilifi_082 .....
PF07_0004_exon2_Kilifi_091 .....
PF07_0004_exon2_Kilifi_105 .....
PF07_0004_exon2_Kilifi_110 .....
PF07_0004_exon2_Kilifi_160 .....
PF07_0004_exon2_Kilifi_164 .....
PF07_0004_exon2_Kilifi_199 .....
PF07_0004_exon2_Kilifi_202 .....
PF07_0004_exon2_Kilifi_247 .....
PF07_0004_exon2_Kilifi_249 .....
PF07_0004_exon2_Kilifi_333 .....
PF07_0004_exon2_Kilifi_334 .....
PF07_0004_exon2_Kilifi_340 .....
PF07_0004_exon2_Kilifi_343 .....
PF07_0004_exon2_Kilifi_344 .....
PF07_0004_exon2_Kilifi_345 .....
PF07_0004_exon2_Kilifi_349 .....
PF07_0004_exon2_Kilifi_356 .....
PF07_0004_exon2_Kilifi_364 .....
PF07_0004_exon2_Kilifi_328 .....
PF07_0004_exon2_Kilifi_365 .....
PF07_0004_exon2_Kilifi_384 .....
PF07_0004_exon2_Kilifi_389 .....
PF07_0004_exon2_Kilifi_406 .....
PF07_0004_exon2_Kilifi_510 .....
PF07_0004_exon2_Kilifi_366 .....
PF07_0004_exon2_Kilifi_023 .....
PF07_0004_exon2_Kilifi_057 .....
PF07_0004_exon2_Kilifi_191 .....
PF07_0004_exon2_Kilifi_194 .....
PF07_0004_exon2_Kilifi_250 .....
PF07_0004_exon2_Kilifi_289 .....
PF07_0004_exon2_Kilifi_328 .....
PF07_0004_exon2_Kilifi_348 .....
Plasmodium reichenowi .T..... .G.

```


	330	340	350	360	370	380	390	400
PF10_0342_3D7	AGATAAAACA	AATAATAAAA	AATTAATTGA	GTCACCATC	ACCAATGAAA	AAACCCAAGG	AAAAAATTCT	TATCATGATG
PF10_0342_Kilifi_020				A.				
PF10_0342_Kilifi_019				A.				
PF10_0342_Kilifi_021				A.				
PF10_0342_Kilifi_023			.G.	A.				
PF10_0342_Kilifi_027				A.				
PF10_0342_Kilifi_028				A.				
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045				A.				
PF10_0342_Kilifi_050			.G.	A.				
PF10_0342_Kilifi_051			.G.	A.				
PF10_0342_Kilifi_052				A.				
PF10_0342_Kilifi_057				A.				
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084				A.				
PF10_0342_Kilifi_091				A.				
PF10_0342_Kilifi_093				A.				
PF10_0342_Kilifi_097				A.				
PF10_0342_Kilifi_105				A.				
PF10_0342_Kilifi_110				A.				
PF10_0342_Kilifi_124				A.				
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150				A.				
PF10_0342_Kilifi_153				A.				
PF10_0342_Kilifi_160				A.				
PF10_0342_Kilifi_162				A.				
PF10_0342_Kilifi_164				A.				
PF10_0342_Kilifi_186				A.				
PF10_0342_Kilifi_187						.G.		
PF10_0342_Kilifi_191				A.				
PF10_0342_Kilifi_194				A.				
PF10_0342_Kilifi_199								
PF10_0342_Kilifi_201				A.				
PF10_0342_Kilifi_202				A.				
PF10_0342_Kilifi_214				A.				
PF10_0342_Kilifi_216								
PF10_0342_Kilifi_235				A.				
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245				A.				
PF10_0342_Kilifi_249			.G.	A.				
PF10_0342_Kilifi_250			.G.	A.				
PF10_0342_Kilifi_258				A.				
PF10_0342_Kilifi_262				A.				
PF10_0342_Kilifi_289			.G.	A.				
PF10_0342_Kilifi_290				A.				
PF10_0342_Kilifi_297				A.				
PF10_0342_Kilifi_298			.G.	A.				
PF10_0342_Kilifi_299				A.				
PF10_0342_Kilifi_301				A.				
PF10_0342_Kilifi_302				A.				
PF10_0342_Kilifi_304			.G.					
PF10_0342_Kilifi_307				A.				
PF10_0342_Kilifi_310			.G.					
PF10_0342_Kilifi_311				A.				
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319				A.				
PF10_0342_Kilifi_321				A.				
PF10_0342_Kilifi_322				A.				
PF10_0342_Kilifi_323				A.				
PF10_0342_Kilifi_324				A.				
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333				A.				
PF10_0342_Kilifi_334				A.				
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340				A.				
PF10_0342_Kilifi_343				A.				
PF10_0342_Kilifi_344				A.				
PF10_0342_Kilifi_345			.G.	A.				
PF10_0342_Kilifi_348			.G.					
PF10_0342_Kilifi_356				A.				
PF10_0342_Kilifi_359				A.				
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365				A.				
PF10_0342_Kilifi_384			.G.	A.				
PF10_0342_Kilifi_389				A.				
PF10_0342_Kilifi_406				A.				
PF10_0342_Kilifi_510								
PF10_0342_Kilifi_528				A.				
<i>Plasmodium reichenowi</i>				A.	A.	T.	G.	C.

	410	420	430	440	450	460	470	480
PF10_0342_3D7	ATGAAAATAC	TATTGAATGT	AGTCATCCTG	AAGCACTTGT	GGGTGGAGAG	AAAAATCGTC	AAAATTCFTT	TGCTTTACGA
PF10_0342_Kilifi_020			G					T
PF10_0342_Kilifi_019			G					T
PF10_0342_Kilifi_021			G					T
PF10_0342_Kilifi_023								
PF10_0342_Kilifi_027			G			T		T
PF10_0342_Kilifi_028			G					T
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045			G					T
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051								
PF10_0342_Kilifi_052			G					T
PF10_0342_Kilifi_057			G					T
PF10_0342_Kilifi_062								T
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084			G					T
PF10_0342_Kilifi_091			G					T
PF10_0342_Kilifi_093			G					T
PF10_0342_Kilifi_097			G					T
PF10_0342_Kilifi_105			G					T
PF10_0342_Kilifi_110			G					
PF10_0342_Kilifi_124			G					T
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150			G					T
PF10_0342_Kilifi_153			G					T
PF10_0342_Kilifi_160			G					T
PF10_0342_Kilifi_162			G					T
PF10_0342_Kilifi_164			G					T
PF10_0342_Kilifi_186			G					T
PF10_0342_Kilifi_187			G					T
PF10_0342_Kilifi_191			G					T
PF10_0342_Kilifi_194			G					T
PF10_0342_Kilifi_199			G					T
PF10_0342_Kilifi_201			G					T
PF10_0342_Kilifi_202			G					T
PF10_0342_Kilifi_214			G					T
PF10_0342_Kilifi_216			G					T
PF10_0342_Kilifi_235			G					T
PF10_0342_Kilifi_242								T
PF10_0342_Kilifi_245			G					T
PF10_0342_Kilifi_249								T
PF10_0342_Kilifi_250								
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262			G					T
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290			G					T
PF10_0342_Kilifi_297			G					T
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299			G					T
PF10_0342_Kilifi_301			G					T
PF10_0342_Kilifi_302			G					
PF10_0342_Kilifi_304								T
PF10_0342_Kilifi_307			G					T
PF10_0342_Kilifi_310								
PF10_0342_Kilifi_311			G					T
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319			G					T
PF10_0342_Kilifi_321			G					T
PF10_0342_Kilifi_322			G					T
PF10_0342_Kilifi_323			G					T
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328			G					T
PF10_0342_Kilifi_331			G					T
PF10_0342_Kilifi_333			G					T
PF10_0342_Kilifi_334			G					T
PF10_0342_Kilifi_336			G					
PF10_0342_Kilifi_340			G					T
PF10_0342_Kilifi_343			G					T
PF10_0342_Kilifi_344			G					T
PF10_0342_Kilifi_345								
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356			G					T
PF10_0342_Kilifi_359			G					T
PF10_0342_Kilifi_364			G					T
PF10_0342_Kilifi_365			G					T
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389			G					T
PF10_0342_Kilifi_406			G					T
PF10_0342_Kilifi_510								T
PF10_0342_Kilifi_528			G					T
<i>Plasmodium reichenowi</i>			G					T

	730	740	750	760	770	780	790	800
PF10_0342_3D7	TTAGATGGAC	ATCAAAGTAA	TATTGGGTCT	TTTCAATTAG	TTTACGAGGG	ACTTCATCAT	GGAAACGATG	GAGTACACGG
PF10_0342_Kilifi_020								
PF10_0342_Kilifi_019								
PF10_0342_Kilifi_021								
PF10_0342_Kilifi_023								
PF10_0342_Kilifi_027								
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045								
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051								
PF10_0342_Kilifi_052								
PF10_0342_Kilifi_057								
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084								
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105								
PF10_0342_Kilifi_110								
PF10_0342_Kilifi_124								
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150								
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160								
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164								
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187			A					
PF10_0342_Kilifi_191								
PF10_0342_Kilifi_194								
PF10_0342_Kilifi_199								
PF10_0342_Kilifi_201								
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214								
PF10_0342_Kilifi_216								
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245								
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250								
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262								
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290								
PF10_0342_Kilifi_297								
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304								
PF10_0342_Kilifi_307								
PF10_0342_Kilifi_310								
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319								
PF10_0342_Kilifi_321								
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333								
PF10_0342_Kilifi_334								
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343								
PF10_0342_Kilifi_344								
PF10_0342_Kilifi_345								
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356								
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365								
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510								
PF10_0342_Kilifi_528								
<i>Plasmodium reichenowi</i>						A		A

	810	820	830	840	850	860	870	880
PF10_0342_3D7	AGCTACAGAA	GATAGAAAAA	AAGCAAGACC	ACAAAAAATA	AAAGGACCTA	ATCAAGAAAAG	AGTGGAACGT	ATTTCATGAAT
PF10_0342_Kilifi_020								
PF10_0342_Kilifi_019								T
PF10_0342_Kilifi_021								
PF10_0342_Kilifi_023								T
PF10_0342_Kilifi_027								
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045								
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051								
PF10_0342_Kilifi_052								
PF10_0342_Kilifi_057								T
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082							A	
PF10_0342_Kilifi_084								
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105								
PF10_0342_Kilifi_110								T
PF10_0342_Kilifi_124								T
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150								T
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160								
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164								
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187								
PF10_0342_Kilifi_191								
PF10_0342_Kilifi_194								
PF10_0342_Kilifi_199								
PF10_0342_Kilifi_201								
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214								
PF10_0342_Kilifi_216								
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245								
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250								
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262								
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290								
PF10_0342_Kilifi_297								
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304								
PF10_0342_Kilifi_307								
PF10_0342_Kilifi_310								
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319								
PF10_0342_Kilifi_321								
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328								T
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333								
PF10_0342_Kilifi_334								
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343								
PF10_0342_Kilifi_344								
PF10_0342_Kilifi_345								T
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356								
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365								
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510								T
PF10_0342_Kilifi_528								
<i>Plasmodium reichenowi</i>			G					

	890	900	910	920	930	940	950	960
PF10_0342_3D7	TAACAATGGA	TAAATTTGAG	GCACAAAAG	AAAATACAGT	ATCTGGTGAT	GGTGACAAA	GAGGTAAAGT	AATTTATGAT
PF10_0342_Kilifi_020			.G.					
PF10_0342_Kilifi_019					.A.			
PF10_0342_Kilifi_021			.G.	.A.				
PF10_0342_Kilifi_023					.A.			
PF10_0342_Kilifi_027			.G.					
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045			.G.					
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051			.G.					
PF10_0342_Kilifi_052								
PF10_0342_Kilifi_057					.A.			
PF10_0342_Kilifi_062			.G.					
PF10_0342_Kilifi_082	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_084								
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105								
PF10_0342_Kilifi_110					.A.			
PF10_0342_Kilifi_124								
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150					.A.			
PF10_0342_Kilifi_153				.T.	.A.			
PF10_0342_Kilifi_160			.G.					
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164			.G.					
PF10_0342_Kilifi_186			.G.					
PF10_0342_Kilifi_187								
PF10_0342_Kilifi_191								
PF10_0342_Kilifi_194								
PF10_0342_Kilifi_199			.G.					
PF10_0342_Kilifi_201								
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214			.G.					
PF10_0342_Kilifi_216			.G.					
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242			.G.					
PF10_0342_Kilifi_245			.G.					
PF10_0342_Kilifi_249			.G.					
PF10_0342_Kilifi_250					.A.			
PF10_0342_Kilifi_258				.T.	.A.			
PF10_0342_Kilifi_262			.G.					
PF10_0342_Kilifi_289	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_290			.G.					
PF10_0342_Kilifi_297			.G.					
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299			.G.					
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_307	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_310								
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_319			.G.					
PF10_0342_Kilifi_321			.G.					
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333			.G.					
PF10_0342_Kilifi_334								
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_344			.G.					
PF10_0342_Kilifi_345					.A.			
PF10_0342_Kilifi_348	.G.		.G.	.T.	.A.			
PF10_0342_Kilifi_356			.G.					
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364			.G.					
PF10_0342_Kilifi_365			.G.					
PF10_0342_Kilifi_384			.G.					
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406			.G.					
PF10_0342_Kilifi_510					.A.			
PF10_0342_Kilifi_528			.G.					
<i>Plasmodium reichenowi</i>	.C.	.GG.	.G.	.A.		.A.	.G.	.C.

	970	980	990	1000	1010	1020	1030	1040
PF10_0342_3D7	GAAAATGATG	ATTCCCTTAT	TTCTAATTCT	TTAGTACCCG	AAACAAGTTA	CAATCAAGAT	TACTCTTTAT	ACACTATTAA
PF10_0342_Kilifi_020								
PF10_0342_Kilifi_019								
PF10_0342_Kilifi_021								
PF10_0342_Kilifi_023								
PF10_0342_Kilifi_027								
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045								
PF10_0342_Kilifi_050		A.T		T.T	G			
PF10_0342_Kilifi_051								C
PF10_0342_Kilifi_052								
PF10_0342_Kilifi_057								
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084			T		T	G		
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097		A.T		T.T	G			
PF10_0342_Kilifi_105								
PF10_0342_Kilifi_110								
PF10_0342_Kilifi_124								
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150								
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160								
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164								
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187		A.T		T	G			
PF10_0342_Kilifi_191		A.T		T.T	G			
PF10_0342_Kilifi_194		A.T		T.T	G			
PF10_0342_Kilifi_199								
PF10_0342_Kilifi_201		A.T		T.T	G			
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214								
PF10_0342_Kilifi_216								
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245								
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250								
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262								
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290								
PF10_0342_Kilifi_297								
PF10_0342_Kilifi_298		T		T.T	G			
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304								
PF10_0342_Kilifi_307								
PF10_0342_Kilifi_310		A.T		T	G			
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319								
PF10_0342_Kilifi_321								
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333								
PF10_0342_Kilifi_334		A.T		T.T	G			
PF10_0342_Kilifi_336		A.T		T.T	G			
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343								
PF10_0342_Kilifi_344								
PF10_0342_Kilifi_345								
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356								
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365								
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510								
PF10_0342_Kilifi_528								
<i>Plasmodium reichenowi</i>		G.T		T				C

	1130	1140	1150	1160	1170	1180	1190	1200
PF10_0342_3D7	CAAAGGAAGA	GGGACCCATT	GTATCCAAA	TACACAGTGT	AAAAGAAGAA	CAAAAAGATT	ATCATAAATA	CGAAAAAAAT
PF10_0342_Kilifi_020						G		
PF10_0342_Kilifi_019						G		
PF10_0342_Kilifi_021						G		
PF10_0342_Kilifi_023						G		
PF10_0342_Kilifi_027						G		
PF10_0342_Kilifi_028						G		
PF10_0342_Kilifi_044						G		
PF10_0342_Kilifi_045						G		
PF10_0342_Kilifi_050						G		
PF10_0342_Kilifi_051						G		
PF10_0342_Kilifi_052						G		
PF10_0342_Kilifi_057						G		
PF10_0342_Kilifi_062						G		
PF10_0342_Kilifi_082						G		
PF10_0342_Kilifi_084						G		
PF10_0342_Kilifi_091						G		
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097						G		
PF10_0342_Kilifi_105						G		
PF10_0342_Kilifi_110						G		
PF10_0342_Kilifi_124						G		
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150						G		
PF10_0342_Kilifi_153						G		
PF10_0342_Kilifi_160						G		
PF10_0342_Kilifi_162						G		
PF10_0342_Kilifi_164						G		
PF10_0342_Kilifi_186						G		
PF10_0342_Kilifi_187						G		
PF10_0342_Kilifi_191						G		
PF10_0342_Kilifi_194						G		
PF10_0342_Kilifi_199						G		
PF10_0342_Kilifi_201						G		
PF10_0342_Kilifi_202						G		
PF10_0342_Kilifi_214						G		
PF10_0342_Kilifi_216						G		
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242						G		
PF10_0342_Kilifi_245						G		
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250						G		
PF10_0342_Kilifi_258						G		
PF10_0342_Kilifi_262						G		
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290						G		
PF10_0342_Kilifi_297						G		
PF10_0342_Kilifi_298						G		
PF10_0342_Kilifi_299						G		
PF10_0342_Kilifi_301						G		
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304						G		
PF10_0342_Kilifi_307						G		
PF10_0342_Kilifi_310						G		
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314						G		
PF10_0342_Kilifi_319						G		
PF10_0342_Kilifi_321						G		
PF10_0342_Kilifi_322						G		
PF10_0342_Kilifi_323						G		
PF10_0342_Kilifi_324						G		
PF10_0342_Kilifi_328						G		
PF10_0342_Kilifi_331						G		
PF10_0342_Kilifi_333						G		
PF10_0342_Kilifi_334						G		
PF10_0342_Kilifi_336						G		
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343						G		
PF10_0342_Kilifi_344						G		
PF10_0342_Kilifi_345						G		
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356						G		
PF10_0342_Kilifi_359						G		
PF10_0342_Kilifi_364						G		
PF10_0342_Kilifi_365						G		
PF10_0342_Kilifi_384						G		
PF10_0342_Kilifi_389						G		
PF10_0342_Kilifi_406						G		
PF10_0342_Kilifi_510						G		
PF10_0342_Kilifi_528						G		
<i>Plasmodium reichenowi</i>	...A...		...A...T					

	1210	1220	1230	1240	1250	1260	1270	1280
PF10_0342_3D7	ATATTACACG	GAACGAAAAA	AAAGAGTGAA	AAAGTATATG	ATCTATATGA	TTATATATTA	AATTGGGTAT	TTGGTCCCAT
PF10_0342_Kilifi_020	G							
PF10_0342_Kilifi_019								
PF10_0342_Kilifi_021						C		
PF10_0342_Kilifi_023								
PF10_0342_Kilifi_027							T	
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045								
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051	G							
PF10_0342_Kilifi_052	A					C		
PF10_0342_Kilifi_057	G							
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084	G							
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097	G							
PF10_0342_Kilifi_105	A					C		
PF10_0342_Kilifi_110	G							
PF10_0342_Kilifi_124	G							
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150	G							
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160								
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164	G							
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187	G							
PF10_0342_Kilifi_191								
PF10_0342_Kilifi_194	G							
PF10_0342_Kilifi_199	G							
PF10_0342_Kilifi_201	G							
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214	A					C		
PF10_0342_Kilifi_216	G							
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245								
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250	G							
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262						C		
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290						C		
PF10_0342_Kilifi_297								
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301							T	
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304								
PF10_0342_Kilifi_307								
PF10_0342_Kilifi_310	G							
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319	A					C		
PF10_0342_Kilifi_321								
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333							T	
PF10_0342_Kilifi_334	G							
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343								
PF10_0342_Kilifi_344							T	
PF10_0342_Kilifi_345	G							
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356								
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364							T	
PF10_0342_Kilifi_365	G							
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510	G							
PF10_0342_Kilifi_528	G	A	GG					
<i>Plasmodium reichenowi</i>	G	A	GG					

	1290	1300	1310	1320	1330	1340	1350	1360
PF10_0342_3D7	GAAAATTACT	GAAACAAATG	TTTCTGAACA	AAATGATTCT	TTAGAATTAA	AACAAAGGAC	GTCATGGGAT	AGAACAAATA
PF10_0342_Kilifi_020			A	A	G			
PF10_0342_Kilifi_019			A	A	G			
PF10_0342_Kilifi_021			A	A	G			
PF10_0342_Kilifi_023			A	A	G			
PF10_0342_Kilifi_027			A	A	G			
PF10_0342_Kilifi_028			A	A	G			
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045			A	A	G			
PF10_0342_Kilifi_050			A	A	G			
PF10_0342_Kilifi_051			A	A	G			
PF10_0342_Kilifi_052			A	A	G			
PF10_0342_Kilifi_057			A	A	G			
PF10_0342_Kilifi_062			A	A	G			
PF10_0342_Kilifi_082			A	A	G			
PF10_0342_Kilifi_084			A	A	G			
PF10_0342_Kilifi_091			A	A	G			
PF10_0342_Kilifi_093			A	A	G			
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105			A	A	G			
PF10_0342_Kilifi_110			A	A	G			
PF10_0342_Kilifi_124			T	A	G			
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150			A	A	G			
PF10_0342_Kilifi_153			A	A	G			
PF10_0342_Kilifi_160			A	A	G			
PF10_0342_Kilifi_162			A	A	G			
PF10_0342_Kilifi_164			A	A	G			
PF10_0342_Kilifi_186			A	A	G			
PF10_0342_Kilifi_187			A	A	G			
PF10_0342_Kilifi_191			A	A	G			
PF10_0342_Kilifi_194			A	A	G			
PF10_0342_Kilifi_199			A	A	G			
PF10_0342_Kilifi_201			A	A	G			
PF10_0342_Kilifi_202			A	A	G			
PF10_0342_Kilifi_214			A	A	G			
PF10_0342_Kilifi_216			A	A	G			
PF10_0342_Kilifi_235			A	A	G			
PF10_0342_Kilifi_242			A	A	G			
PF10_0342_Kilifi_245			A	A	G			
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250			A	A	G			
PF10_0342_Kilifi_258			A	A	G			
PF10_0342_Kilifi_262			A	A	G			
PF10_0342_Kilifi_289			A	A	G			
PF10_0342_Kilifi_290			A	A	G			
PF10_0342_Kilifi_297			A	A	G			
PF10_0342_Kilifi_298			A	A	G			
PF10_0342_Kilifi_299			A	A	G			
PF10_0342_Kilifi_301			A	A	G			
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304			A	A	G			
PF10_0342_Kilifi_307			A	A	G			
PF10_0342_Kilifi_310			A	A	G			
PF10_0342_Kilifi_311			A	A	G			
PF10_0342_Kilifi_314			A	A	G			
PF10_0342_Kilifi_319			A	A	G			
PF10_0342_Kilifi_321			A	A	G			
PF10_0342_Kilifi_322			A	A	G			
PF10_0342_Kilifi_323			A	A	G			
PF10_0342_Kilifi_324			A	A	G			
PF10_0342_Kilifi_328			A	A	G			
PF10_0342_Kilifi_331			A	A	G			
PF10_0342_Kilifi_333			A	A	G			
PF10_0342_Kilifi_334			A	A	G			
PF10_0342_Kilifi_336			A	A	G			
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343			A	A	G			
PF10_0342_Kilifi_344			A	A	G			
PF10_0342_Kilifi_345			A	A	G			
PF10_0342_Kilifi_348			A	A	G			
PF10_0342_Kilifi_356			A	A	G			
PF10_0342_Kilifi_359			A	A	G			
PF10_0342_Kilifi_364			A	A	G			
PF10_0342_Kilifi_365			A	A	G			
PF10_0342_Kilifi_384			A	A	G			
PF10_0342_Kilifi_389			A	A	G			
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510			A	A	G			
PF10_0342_Kilifi_528			A	A	G			

Plasmodium reichenowi

	1370	1380	1390	1400	1410	1420	1430	1440
PF10_0342_3D7	TAATTAGTGA	AAATGAAGAA	GAAGATGATA	TAAATAATGT	TGAACAATTA	AACGAGATTC	AAGGTGAAAT	AACGGAAGAC
PF10_0342_Kilifi_020			.G.					
PF10_0342_Kilifi_019			.G.					
PF10_0342_Kilifi_021			.G.					
PF10_0342_Kilifi_023			.G.					
PF10_0342_Kilifi_027								
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045			.G.					
PF10_0342_Kilifi_050			.G.					
PF10_0342_Kilifi_051			.G.					
PF10_0342_Kilifi_052			.G.					
PF10_0342_Kilifi_057			.G.					
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082			.G.					
PF10_0342_Kilifi_084			.G.					
PF10_0342_Kilifi_091			.G.					
PF10_0342_Kilifi_093			.G.					
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105			.G.					
PF10_0342_Kilifi_110			.G.					
PF10_0342_Kilifi_124			.G.					
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150			.G.					
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160			.G.					
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164			.G.					
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187			.G.					
PF10_0342_Kilifi_191			.G.					
PF10_0342_Kilifi_194			.G.					
PF10_0342_Kilifi_199			.G.					
PF10_0342_Kilifi_201			.G.					
PF10_0342_Kilifi_202			.G.					
PF10_0342_Kilifi_214			.G.					
PF10_0342_Kilifi_216			.G.					
PF10_0342_Kilifi_235			.G.					
PF10_0342_Kilifi_242			.G.					
PF10_0342_Kilifi_245			.G.					
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250			.G.					
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262			.G.					
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290			.G.					
PF10_0342_Kilifi_297			.G.					
PF10_0342_Kilifi_298			.G.					
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304			.G.					
PF10_0342_Kilifi_307			.G.					
PF10_0342_Kilifi_310			.G.					
PF10_0342_Kilifi_311			.G.					
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319			.G.					
PF10_0342_Kilifi_321			.G.					
PF10_0342_Kilifi_322			.G.					
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328			.G.					
PF10_0342_Kilifi_331			.G.					
PF10_0342_Kilifi_333								
PF10_0342_Kilifi_334			.G.					
PF10_0342_Kilifi_336			.G.					
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343			.G.					
PF10_0342_Kilifi_344			.G.					
PF10_0342_Kilifi_345			.G.					
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356			.G.					
PF10_0342_Kilifi_359			.G.					
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365			.G.					
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510			.G.					
PF10_0342_Kilifi_528			.G.					
<i>Plasmodium reichenowi</i>			A	.G.				

	1450	1460	1470	1480	1490	1500	1510	1520
PF10_0342_3D7	GAAGTTGAAG	AGGAAAAAGA	AGAAATTATT	GAAGAAGAGG	AATATGTGGA	TGAGCAAAAA	ATGGTGAATA	AAAAAAAAT
PF10_0342_Kilifi_020								
PF10_0342_Kilifi_019								
PF10_0342_Kilifi_021								
PF10_0342_Kilifi_023								
PF10_0342_Kilifi_027								
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045								
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051								
PF10_0342_Kilifi_052								
PF10_0342_Kilifi_057								
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084								
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105								
PF10_0342_Kilifi_110								
PF10_0342_Kilifi_124								
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150								
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160								
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164								
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187								
PF10_0342_Kilifi_191								
PF10_0342_Kilifi_194								
PF10_0342_Kilifi_199								
PF10_0342_Kilifi_201								
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214								
PF10_0342_Kilifi_216								
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245								
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250								
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262								
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290								
PF10_0342_Kilifi_297								
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304								
PF10_0342_Kilifi_307								
PF10_0342_Kilifi_310								
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319								
PF10_0342_Kilifi_321								
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333								
PF10_0342_Kilifi_334								
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343								
PF10_0342_Kilifi_344								
PF10_0342_Kilifi_345								
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356								
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365								
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510								
PF10_0342_Kilifi_528								
<i>Plasmodium reichenowi</i>					G			

	1610	1620	1630	1640	1650	1660	1670	1680
PF10_0342_3D7	CGCACCTTGA	AAAATATAAT	AATATTAAGA	AAGACGTTC	AAATTTTTTT	AAAACATAAA	TAAATTTATT	TAGTGATTAT AAGTAA
PF10_0342_Kilifi_020								
PF10_0342_Kilifi_019								
PF10_0342_Kilifi_021			A.					
PF10_0342_Kilifi_023								
PF10_0342_Kilifi_027								
PF10_0342_Kilifi_028								
PF10_0342_Kilifi_044								
PF10_0342_Kilifi_045								
PF10_0342_Kilifi_050								
PF10_0342_Kilifi_051								
PF10_0342_Kilifi_052								
PF10_0342_Kilifi_057								
PF10_0342_Kilifi_062								
PF10_0342_Kilifi_082								
PF10_0342_Kilifi_084			A.					
PF10_0342_Kilifi_091								
PF10_0342_Kilifi_093								
PF10_0342_Kilifi_097								
PF10_0342_Kilifi_105								
PF10_0342_Kilifi_110								
PF10_0342_Kilifi_124								
PF10_0342_Kilifi_128								
PF10_0342_Kilifi_150								
PF10_0342_Kilifi_153								
PF10_0342_Kilifi_160								
PF10_0342_Kilifi_162								
PF10_0342_Kilifi_164								
PF10_0342_Kilifi_186								
PF10_0342_Kilifi_187	A.							
PF10_0342_Kilifi_191								
PF10_0342_Kilifi_194								
PF10_0342_Kilifi_199								
PF10_0342_Kilifi_201								
PF10_0342_Kilifi_202								
PF10_0342_Kilifi_214								
PF10_0342_Kilifi_216								
PF10_0342_Kilifi_235								
PF10_0342_Kilifi_242								
PF10_0342_Kilifi_245								
PF10_0342_Kilifi_249								
PF10_0342_Kilifi_250								
PF10_0342_Kilifi_258								
PF10_0342_Kilifi_262								
PF10_0342_Kilifi_289								
PF10_0342_Kilifi_290								
PF10_0342_Kilifi_297			A.					
PF10_0342_Kilifi_298								
PF10_0342_Kilifi_299								
PF10_0342_Kilifi_301								
PF10_0342_Kilifi_302								
PF10_0342_Kilifi_304								
PF10_0342_Kilifi_307								
PF10_0342_Kilifi_310								
PF10_0342_Kilifi_311								
PF10_0342_Kilifi_314								
PF10_0342_Kilifi_319								
PF10_0342_Kilifi_321								
PF10_0342_Kilifi_322								
PF10_0342_Kilifi_323								
PF10_0342_Kilifi_324								
PF10_0342_Kilifi_328								
PF10_0342_Kilifi_331								
PF10_0342_Kilifi_333								
PF10_0342_Kilifi_334								
PF10_0342_Kilifi_336								
PF10_0342_Kilifi_340								
PF10_0342_Kilifi_343								
PF10_0342_Kilifi_344				A.				
PF10_0342_Kilifi_345								
PF10_0342_Kilifi_348								
PF10_0342_Kilifi_356								
PF10_0342_Kilifi_359								
PF10_0342_Kilifi_364								
PF10_0342_Kilifi_365								
PF10_0342_Kilifi_384								
PF10_0342_Kilifi_389								
PF10_0342_Kilifi_406								
PF10_0342_Kilifi_510								
PF10_0342_Kilifi_528								
<i>Plasmodium reichenowi</i>				TC..T				

Supplementary Figure 2e

```

                10      20      30      40      50      60      70      80
.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|
PF10_0348_3D7  ATGAAGAAAA TATATAGTAT TTTCTTTTCT TTATTTATTT TGAATCTCA TATATATATA AAAAATATCA AATGCAATGA
PF10_0348_Kilifi_019
PF10_0348_Kilifi_021
PF10_0348_Kilifi_023
PF10_0348_Kilifi_027
PF10_0348_Kilifi_050
PF10_0348_Kilifi_057
PF10_0348_Kilifi_062
PF10_0348_Kilifi_082
PF10_0348_Kilifi_091
PF10_0348_Kilifi_093
PF10_0348_Kilifi_097
PF10_0348_Kilifi_105
PF10_0348_Kilifi_160
PF10_0348_Kilifi_162
PF10_0348_Kilifi_186
PF10_0348_Kilifi_191
PF10_0348_Kilifi_199
PF10_0348_Kilifi_235
PF10_0348_Kilifi_242
PF10_0348_Kilifi_245
PF10_0348_Kilifi_248
PF10_0348_Kilifi_249
PF10_0348_Kilifi_262
PF10_0348_Kilifi_289
PF10_0348_Kilifi_290
PF10_0348_Kilifi_297
PF10_0348_Kilifi_299
PF10_0348_Kilifi_310
PF10_0348_Kilifi_319
PF10_0348_Kilifi_324
PF10_0348_Kilifi_333
PF10_0348_Kilifi_334
PF10_0348_Kilifi_336
PF10_0348_Kilifi_344
PF10_0348_Kilifi_345
PF10_0348_Kilifi_349
PF10_0348_Kilifi_359
PF10_0348_Kilifi_364
PF10_0348_Kilifi_389
PF10_0348_Kilifi_406
PF10_0348_Kilifi_528
PF10_0348_Kilifi_388
PF10_0348_Kilifi_365
PF10_0348_Kilifi_323
PF10_0348_Kilifi_028
PF10_0348_Kilifi_110
PF10_0348_Kilifi_128
PF10_0348_Kilifi_214
PF10_0348_Kilifi_216
PF10_0348_Kilifi_314
PF10_0348_Kilifi_384
PF10_0348_Kilifi_298
PF10_0348_Kilifi_020
PF10_0348_Kilifi_052
PF10_0348_Kilifi_164
PF10_0348_Kilifi_194
PF10_0348_Kilifi_302
PF10_0348_Kilifi_304
PF10_0348_Kilifi_311
PF10_0348_Kilifi_321
PF10_0348_Kilifi_044
PF10_0348_Kilifi_356
PF10_0348_Kilifi_045
Plasmodium reichenowi
```


	410	420	430	440	450	460	470	480
PF10_0348_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0348_Kilifi_019	ATTCTCCTCT	ACAAGGAAAT	CATAATAAAT	GTCCTGATGA	AAATTTTGT	AAGGGTATTA	AAAATGTCTT	ATCCTGTCCT
PF10_0348_Kilifi_021C.....	.....
PF10_0348_Kilifi_023
PF10_0348_Kilifi_027C.....	.....	.....
PF10_0348_Kilifi_050
PF10_0348_Kilifi_057C.....	.....
PF10_0348_Kilifi_062
PF10_0348_Kilifi_082
PF10_0348_Kilifi_091
PF10_0348_Kilifi_093C.....	.....
PF10_0348_Kilifi_097C.....	.....
PF10_0348_Kilifi_105
PF10_0348_Kilifi_160A.....	.....	.....	.....	.....	.....C.....	.....
PF10_0348_Kilifi_162C.....	.....
PF10_0348_Kilifi_186C.....	.....
PF10_0348_Kilifi_191C.....	.....
PF10_0348_Kilifi_199
PF10_0348_Kilifi_235C.....	.....
PF10_0348_Kilifi_242
PF10_0348_Kilifi_245
PF10_0348_Kilifi_248
PF10_0348_Kilifi_249C.....	.....
PF10_0348_Kilifi_262
PF10_0348_Kilifi_289C.....	.....
PF10_0348_Kilifi_290C.....	.....
PF10_0348_Kilifi_297
PF10_0348_Kilifi_299C.....	.....
PF10_0348_Kilifi_310G.....	.....	.....	.....	.....	.....C.....	.....
PF10_0348_Kilifi_319C.....	.....
PF10_0348_Kilifi_324C.....	.....
PF10_0348_Kilifi_333
PF10_0348_Kilifi_334
PF10_0348_Kilifi_336C.....	.....C.....	.....
PF10_0348_Kilifi_344
PF10_0348_Kilifi_345
PF10_0348_Kilifi_349C.....	.....
PF10_0348_Kilifi_359
PF10_0348_Kilifi_364
PF10_0348_Kilifi_389
PF10_0348_Kilifi_406C.....	.....
PF10_0348_Kilifi_528C.....	.....
PF10_0348_Kilifi_388C.....	.....
PF10_0348_Kilifi_365C.....	.....
PF10_0348_Kilifi_323
PF10_0348_Kilifi_028
PF10_0348_Kilifi_110A.....	.....T.....	.....C.....	.....GCC TAAT.....	.....
PF10_0348_Kilifi_128A.....	.....T.....	.....C.....	.....GCC TAAT.....	.....
PF10_0348_Kilifi_214
PF10_0348_Kilifi_216
PF10_0348_Kilifi_314A.....	.....T.....	.....C.....	.....GCC TAAT.....	.....
PF10_0348_Kilifi_384A.....	.....T.....	.....C.....	.....GCC TAAT.....	.....
PF10_0348_Kilifi_298
PF10_0348_Kilifi_020
PF10_0348_Kilifi_052
PF10_0348_Kilifi_164
PF10_0348_Kilifi_194
PF10_0348_Kilifi_302
PF10_0348_Kilifi_304
PF10_0348_Kilifi_311
PF10_0348_Kilifi_321
PF10_0348_Kilifi_044
PF10_0348_Kilifi_356
PF10_0348_Kilifi_045
<i>Plasmodium reichenowi</i>AG.....	.....	.....G.....	.....	.....C.....	.....T.....

	490	500	510	520	530	540	550	560
PF10_0348_3D7	.....|	.....|	.....|	.....|	.....|	.....|	.....|	.....|
PF10_0348_Kilifi_019	CCAAAAAATT	CTACTGGTAG	AAATGGGGAT	TGGATTAGTG	TGGCTGTTAA	AGAAAGTTCA	ACTACAAATA	AAGGTGTTCT
PF10_0348_Kilifi_021A.....	.....	.....	.....
PF10_0348_Kilifi_023
PF10_0348_Kilifi_027	.T.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_050
PF10_0348_Kilifi_057A.....	.....	.....	.....	.....
PF10_0348_Kilifi_062
PF10_0348_Kilifi_082
PF10_0348_Kilifi_091
PF10_0348_Kilifi_093
PF10_0348_Kilifi_097A.....	.....	.....	.....	.....
PF10_0348_Kilifi_105
PF10_0348_Kilifi_160
PF10_0348_Kilifi_162
PF10_0348_Kilifi_186
PF10_0348_Kilifi_191
PF10_0348_Kilifi_199
PF10_0348_Kilifi_235
PF10_0348_Kilifi_242
PF10_0348_Kilifi_245
PF10_0348_Kilifi_248
PF10_0348_Kilifi_249
PF10_0348_Kilifi_262
PF10_0348_Kilifi_289
PF10_0348_Kilifi_290
PF10_0348_Kilifi_297
PF10_0348_Kilifi_299A.....	.....	.....	.....	.....
PF10_0348_Kilifi_310T.....	.....
PF10_0348_Kilifi_319
PF10_0348_Kilifi_324
PF10_0348_Kilifi_333
PF10_0348_Kilifi_334
PF10_0348_Kilifi_336
PF10_0348_Kilifi_344
PF10_0348_Kilifi_345
PF10_0348_Kilifi_349A.....	.....	.....	.....	.....
PF10_0348_Kilifi_359	C.....	.....	.....	.....	.....
PF10_0348_Kilifi_364
PF10_0348_Kilifi_389
PF10_0348_Kilifi_406A.....	.....	.....	.....	.....
PF10_0348_Kilifi_528
PF10_0348_Kilifi_388
PF10_0348_Kilifi_365A.....	.....	.....	.....	.....
PF10_0348_Kilifi_323
PF10_0348_Kilifi_028GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_110	.T.....	TC.....C	..A..T...	..GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_128	.T.....	TC.....	.....	..GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_214GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_216GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_314	.T.....	TC.....C	..A..T...	..GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_384	.T.....	TC.....C	..A..T...	..GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_298GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_020GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_052	C.....C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_164GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_194GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_302GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_304GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_311GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_321GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_044GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_356GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
PF10_0348_Kilifi_045GC...CT	CAAA...C.G	.A.TTTC.T.	..AGTT....	.....C..
<i>Plasmodium reichenowi</i>	GA....C...	T.....	.....	..A.....	.....	.....	.....	.....

	570	580	590	600	610	620	630	640
PF10_0348_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0348_Kilifi_019	TGTTCCCCC	AGAAGAACA	AATTATGCT	AAGAAATATT	AACAAGGTTT	GGCATCGAAT	CAAAGACGAG	AAAAATTTTA
PF10_0348_Kilifi_021	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_023	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_027	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_050	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_057	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_062	.....	.....	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_082	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_091	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_093	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_097	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_105	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_160	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_162	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_186	.....	.....A.	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_191	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_199	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_235	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_242	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_245	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_248	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_249	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_262	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_289	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_290	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_297	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_310	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_319	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_324	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_333	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_334	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_336	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_344	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_359	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_364	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_389	.....	.....A.	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_528	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_388	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_365	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0348_Kilifi_323	.....	.....A.	.....	.....C.	.....	.....	.....	.....
PF10_0348_Kilifi_028	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..C.A.	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_110	.....A	.....A.C	.....A.G...T	.....T...T.A	.....A..AAA	.....TT.C.AA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_128	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_214	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_216	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_314	.....A	.....A.C	.....A.G...T	.....T...T.A	.....A..AAA	.....TT.C.AA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_384	.....A	.....A.C	.....A.G...T	.....T...T.A	.....A..AAA	.....TT.C.AA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_298	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_020	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_052	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_164	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_194	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_302	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_304	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_311	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_321	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_044	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_356	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
PF10_0348_Kilifi_045	.....A	.....A.C	.....A.G...T	.....T...T.A	.....TA..CAA	.....TT.C.GA.T	.....A...A.AACT	.....G..GG.AAAT
<i>Plasmodium reichenowi</i>	.....A	.....G..	.....	.....	.....C.C.TA..	.....T.....	.....T..C.....	.....

	810	820	830	840	850	860	870	880
PF10_0348_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0348_Kilifi_019	AAATATAAAT	AGGGCATTAG	ATAAAAATATT	ACGTAATGAA	ACAAGTAAT-	--GACAAAAT	TAAAAAACGT	GTAGACTGGT
PF10_0348_Kilifi_021	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_023	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_027	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_050	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_057	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_062	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_082	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_091	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_093	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_097	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_105	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_160	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_162	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_186	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_191	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_199	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_235	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_242	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_245	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_248	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_249	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_262	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_289	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_290	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_297	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_299	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_310	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_319	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_324	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_333	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_334	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_336	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_344	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_345	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_349	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_359	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_364	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_389	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_406	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_528	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_388	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_365	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_323	.....	.....	.....	.G.....	.....	--.....	.....	.....
PF10_0348_Kilifi_028	TG.A.CC.TA	.CATAT....	.AG..G..C.	TAAA.T.C.T	.AT.AA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_110	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_128	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_214	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_216	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_314	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_384	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_298	.G.A.CC.TA	.CATAT....	.A...G..C.	TAAA.T.T.T	.ATGAA...A	AT..T...CC	A...G.TGCA	AA.A.A....
PF10_0348_Kilifi_020	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_052	T..A.C...A	.CATAT..CG.	.AG..G..C.	CG.A.AC..	TAT.CA...G	TTA.TG.TCC	A...G.TGC	AA..C....
PF10_0348_Kilifi_164	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_194	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_302	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_304	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_311	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_321	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_044	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_356	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
PF10_0348_Kilifi_045	T..A.C...A	.CATAT..G.	.AG..G..C.	CG.A.AC..	TAT.AA...G	TTA.TG.TCC	A...G.TGC	AA.AC....
<i>Plasmodium reichenowi</i>	.....	.....	.....	.G.....	.GG.....	--.C.G....	A....T....	.....

	890	900	910	920	930	940	950	960
PF10_0348_3D7	GGGAAGCTAA	TAAAAGTGCA	TCTTGGGATG	CATTCATGTG	TGGATATAAA	GTTTCATATCG	GAAATAAACCC	ATGTCCAGAA
PF10_0348_Kilifi_019							T	
PF10_0348_Kilifi_021								
PF10_0348_Kilifi_023								
PF10_0348_Kilifi_027								
PF10_0348_Kilifi_050								
PF10_0348_Kilifi_057							T	
PF10_0348_Kilifi_062								
PF10_0348_Kilifi_082								
PF10_0348_Kilifi_091								
PF10_0348_Kilifi_093								
PF10_0348_Kilifi_097							T	
PF10_0348_Kilifi_105								
PF10_0348_Kilifi_160								
PF10_0348_Kilifi_162								
PF10_0348_Kilifi_186							T	
PF10_0348_Kilifi_191								
PF10_0348_Kilifi_199								
PF10_0348_Kilifi_235								
PF10_0348_Kilifi_242								
PF10_0348_Kilifi_245								
PF10_0348_Kilifi_248								
PF10_0348_Kilifi_249								
PF10_0348_Kilifi_262								
PF10_0348_Kilifi_289								
PF10_0348_Kilifi_290								
PF10_0348_Kilifi_297								
PF10_0348_Kilifi_299							T	
PF10_0348_Kilifi_310							T	
PF10_0348_Kilifi_319								
PF10_0348_Kilifi_324								
PF10_0348_Kilifi_333								
PF10_0348_Kilifi_334								
PF10_0348_Kilifi_336							T	
PF10_0348_Kilifi_344								
PF10_0348_Kilifi_345								
PF10_0348_Kilifi_349							T	
PF10_0348_Kilifi_359								
PF10_0348_Kilifi_364								
PF10_0348_Kilifi_389								
PF10_0348_Kilifi_406							T	
PF10_0348_Kilifi_528								
PF10_0348_Kilifi_388								
PF10_0348_Kilifi_365								
PF10_0348_Kilifi_323								
PF10_0348_Kilifi_028	..AC..AA..	C...CA.CAT	G.T....A.	..A.G....	C.....C.G	AG.G.GC.GA	A.G....C..	.....G.
PF10_0348_Kilifi_110	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_128	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_214	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_216	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_314	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_384	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_298	..AC..AA..	C.GGCA.CAT	G.T....A.	..A.G....	C.....C.G	AG.GCGCAGA	A.G....C.A	...A...GT
PF10_0348_Kilifi_020	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_052	..ATTCAA..	C...CA.C.T	G.T.....	..A.G....				
PF10_0348_Kilifi_164	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_194	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_302	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_304	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_311	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_321	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_044	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_356	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
PF10_0348_Kilifi_045	..ATTCAA..	C...CA.CGT	G.T.....	..A.G....				
<i>Plasmodium reichenowi</i>		..A..A.	..A..A.	..A..A.	A.....A.	..A..G.		

	1130	1140	1150	1160	1170	1180	1190	1200
PF10_0348_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0348_Kilifi_019	AAAAGGATAA	ATGTAAAGAA	GCATTAAGC	ATTATGAAGA	ATGGGTTAAT	AGAAGGAGAC	CTGAATGGAA	AGGCCAATGT
PF10_0348_Kilifi_021	..G.....	.....GT						..T.....
PF10_0348_Kilifi_023	.....	.....GT						..T.....
PF10_0348_Kilifi_027	.....	.....GT						..T.....
PF10_0348_Kilifi_050	..G.....	.....GT						..T.....
PF10_0348_Kilifi_057	.....	.....GT						..T.....
PF10_0348_Kilifi_062	.....	.....GT						..T.....
PF10_0348_Kilifi_082	.....	.....GT						..T.....
PF10_0348_Kilifi_091	..G.....	.....GT						..T.....
PF10_0348_Kilifi_093	..G.....	.....GT						..T.....
PF10_0348_Kilifi_097	..G.....	.....GT						..T.....
PF10_0348_Kilifi_105	.....	.....GT						..T.....
PF10_0348_Kilifi_160	.....	.....GT						..T.....
PF10_0348_Kilifi_162	..G.....	.....GT						..T.....
PF10_0348_Kilifi_186	.....	.....GT						..T.....
PF10_0348_Kilifi_191	.....	.....GT						..T.....
PF10_0348_Kilifi_199	.....	.....GT						..T.....
PF10_0348_Kilifi_235	.....	.....GT						..T.....
PF10_0348_Kilifi_242	..G.....	.....GT						..T.....
PF10_0348_Kilifi_245	.....	.....GT						..T.....
PF10_0348_Kilifi_248	.....	.....GT						..T.....
PF10_0348_Kilifi_249	.....	.....GT						..T.....
PF10_0348_Kilifi_262	.....	.....GT						..T.....
PF10_0348_Kilifi_289	.....	.....GT						..T.....
PF10_0348_Kilifi_290	.....	..G.....						..T.....
PF10_0348_Kilifi_297	..G.....	.....GT						..T.....
PF10_0348_Kilifi_299	.....	.....GT						..T.....
PF10_0348_Kilifi_310	.....	.....GT						..T.....
PF10_0348_Kilifi_319	.....	.....GT						..T.....
PF10_0348_Kilifi_324	.....	.....GT						..T.....
PF10_0348_Kilifi_333	.....	.....GT						..T.....
PF10_0348_Kilifi_334	..G.....	.....GT						..T.....
PF10_0348_Kilifi_336	.....	.....GT						..T.....
PF10_0348_Kilifi_344	.....	.....GT						..T.....
PF10_0348_Kilifi_345	.....	.....GT						..T.....
PF10_0348_Kilifi_349	.....	.....GT						..T.....
PF10_0348_Kilifi_359	..G.....	.....GT						..T.....
PF10_0348_Kilifi_364	..G.....	.....GT						..T.....
PF10_0348_Kilifi_389	.....	.....GT						..T.....
PF10_0348_Kilifi_406	.....	.....GT						..T.....
PF10_0348_Kilifi_528	T.....	.....T						..T.....
PF10_0348_Kilifi_388	.....	.....GT						..T.....
PF10_0348_Kilifi_365	.....	.....GT						..T.....
PF10_0348_Kilifi_323	.....	.....GT						..T.....
PF10_0348_Kilifi_028	..G.....	.....GT						..T.....
PF10_0348_Kilifi_110	.....	.....GT						..T.....
PF10_0348_Kilifi_128	.....	.....GT						..T.....
PF10_0348_Kilifi_214	.....	.....GT						..T.....
PF10_0348_Kilifi_216	..G.....	.....GT						..T.....
PF10_0348_Kilifi_314	.....	.....GT						..T.....
PF10_0348_Kilifi_384	.....	.....GT						..T.....
PF10_0348_Kilifi_298	..G.....	.....GT						..T.....
PF10_0348_Kilifi_020	..G.....	.....GT						..T.....
PF10_0348_Kilifi_052	..G.....	.....GT						..T.....
PF10_0348_Kilifi_164	.....	.....GT						..T.....
PF10_0348_Kilifi_194	.....	.....GT						..T.....
PF10_0348_Kilifi_302	.....	.....GT						..T.....
PF10_0348_Kilifi_304	.....	.....GT						..T.....
PF10_0348_Kilifi_311	..G.....	.....GT						..T.....
PF10_0348_Kilifi_321	.....	.....GT						..T.....
PF10_0348_Kilifi_044	..G.....	.....GT						..T.....
PF10_0348_Kilifi_356	..G.....	.....GT						..T.....
PF10_0348_Kilifi_045	..G.....	.....GT						..T.....
<i>Plasmodium reichenowi</i>	.TG.T....	.....T			A.....			..T.....

	1210	1220	1230	1240	1250	1260	1270	1280
PF10_0348_3D7	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|
PF10_0348_Kilifi_019	GATAAATTTG	AAAAAGAAAA	AAGTAAATAT	GAAGATACTA	AAAGTATAAC	TGCTGAAAAA	TATTTAAAAG	AAATATG TTC
PF10_0348_Kilifi_021G.....	.....T.....	.....	.....
PF10_0348_Kilifi_023G.....	.....T.....	.....	.....
PF10_0348_Kilifi_027G.....	.....T.....	.....	.....
PF10_0348_Kilifi_050G.....	.....T.....	.....	.....
PF10_0348_Kilifi_057G.....	.....T.....	.....	.....
PF10_0348_Kilifi_062G.....	.....T.....	.....	.....
PF10_0348_Kilifi_082G.....	.....T.....	.....	.....
PF10_0348_Kilifi_091G.....	.....T.....	.....	.....
PF10_0348_Kilifi_093G.....	.....T.....	.....	.....
PF10_0348_Kilifi_097G.....	.....T.....	.....	.....
PF10_0348_Kilifi_105G.....	.....T.....	.....	.....
PF10_0348_Kilifi_160G.....	.....T.....	.....	.....
PF10_0348_Kilifi_162G.....	.....T.....	.....	.....
PF10_0348_Kilifi_186G.....	.....T.....	.....	.....
PF10_0348_Kilifi_191G.....	.....T.....	.....	.....
PF10_0348_Kilifi_199G.....	.....T.....	.....	.....
PF10_0348_Kilifi_235G.....	.....T.....	.....	.....
PF10_0348_Kilifi_242G.....	.....T.....	.....	.....
PF10_0348_Kilifi_245G.....	.....T.....	.....	.....
PF10_0348_Kilifi_248G.....	.....T.....	.....	.....
PF10_0348_Kilifi_249G.....	.....T.....	.....	.....
PF10_0348_Kilifi_262G.....	.....T.....	.....	.....
PF10_0348_Kilifi_289G.....	.....T.....	.....	.....
PF10_0348_Kilifi_290G.....	.....T.....	.....	.....
PF10_0348_Kilifi_297G.....	.....T.....	.....	.....
PF10_0348_Kilifi_299G.....	.....T.....	.....	.....
PF10_0348_Kilifi_310G.....	.....T.....	.....	.....
PF10_0348_Kilifi_319G.....	.....T.....	.....	.....
PF10_0348_Kilifi_324G.....	.....T.....	.....	.....
PF10_0348_Kilifi_333G.....	.....T.....	.....	.....
PF10_0348_Kilifi_334G.....	.....T.....	.....	.....
PF10_0348_Kilifi_336G.....	.....T.....	.....	.....
PF10_0348_Kilifi_344G.....	.....T.....	.....	.....
PF10_0348_Kilifi_345G.....	.....T.....	.....	.....
PF10_0348_Kilifi_349G.....	.....T.....	.....	.....
PF10_0348_Kilifi_359G.....	.....T.....	.....	.....
PF10_0348_Kilifi_364G.....	.....T.....	.....	.....
PF10_0348_Kilifi_389G.....	.....T.....	.....	.....
PF10_0348_Kilifi_406G.....	.....T.....	.....	.....
PF10_0348_Kilifi_528G.....	.....T.....	.....	.....
PF10_0348_Kilifi_388G.....	.....T.....	.....	.....
PF10_0348_Kilifi_365G.....	.....T.....	.....	.....
PF10_0348_Kilifi_323G.....	.....T.....	.....	.....
PF10_0348_Kilifi_028G.....	.....T.....	.....	.....
PF10_0348_Kilifi_110G.....	.....T.....	.....	.....
PF10_0348_Kilifi_128G.....	.....T.....	.....	.....
PF10_0348_Kilifi_214G.....	.....T.....	.....	.....
PF10_0348_Kilifi_216G.....	.....T.....	.....	.....
PF10_0348_Kilifi_314G.....	.....T.....	.....	.....
PF10_0348_Kilifi_384G.....	.....T.....	.....	.....
PF10_0348_Kilifi_298G.....	.....T.....	.....	.....
PF10_0348_Kilifi_020G.....	.....T.....	.....	.....
PF10_0348_Kilifi_052G.....	.....T.....	.....	.....
PF10_0348_Kilifi_164G.....	.....T.....	.....	.....
PF10_0348_Kilifi_194G.....	.....T.....	.....	.....
PF10_0348_Kilifi_302G.....	.....T.....	.....	.....
PF10_0348_Kilifi_304G.....	.....T.....	.....	.....
PF10_0348_Kilifi_311G.....	.....T.....	.....	.....
PF10_0348_Kilifi_321G.....	.....T.....	.....	.....
PF10_0348_Kilifi_044G.....	.....T.....	.....	.....
PF10_0348_Kilifi_356G.....	.....T.....	.....	.....
PF10_0348_Kilifi_045G.....	.....T.....	.....	.....
<i>Plasmodium reichenowi</i>A.....	.....	.....	.....	.....	.....

	1290	1300	1310	1320	1330	1340	1350	1360
PF10_0348_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0348_Kilifi_019	TGAATGTGAT	TGTAAATATA	AAGATTGGA	TAATACATT	AAAGAATTTA	AAGATAACGT	TACACTTCTT	AAAGCAGTAA
PF10_0348_Kilifi_021G.....	.....
PF10_0348_Kilifi_023G.....	.....
PF10_0348_Kilifi_027G.....	.....
PF10_0348_Kilifi_050T.....	..G.....	.....
PF10_0348_Kilifi_057T.....	..G.....	.....
PF10_0348_Kilifi_062G.....	.....
PF10_0348_Kilifi_082G.....	.....
PF10_0348_Kilifi_091G.....	.....
PF10_0348_Kilifi_093G.....	.....
PF10_0348_Kilifi_097G.....	.....
PF10_0348_Kilifi_105T.....	..G.....	.....
PF10_0348_Kilifi_160T.....	..G.....	.....
PF10_0348_Kilifi_162G.....	.....
PF10_0348_Kilifi_186G.....	.....
PF10_0348_Kilifi_191G.....	.....
PF10_0348_Kilifi_199G.....	.....
PF10_0348_Kilifi_235G.....	.....
PF10_0348_Kilifi_242G.....	.....
PF10_0348_Kilifi_245G.....	.....
PF10_0348_Kilifi_248T.....	..G.....	.....
PF10_0348_Kilifi_249T.....	..G.....	.....
PF10_0348_Kilifi_262G.....	.....
PF10_0348_Kilifi_289T.....	..G.....	.....
PF10_0348_Kilifi_290G.....	.....
PF10_0348_Kilifi_297G.....	.....
PF10_0348_Kilifi_299G.....	.....
PF10_0348_Kilifi_310T.....	..G.....	.....
PF10_0348_Kilifi_319G.....	.....
PF10_0348_Kilifi_324T.....	..G.....	.....
PF10_0348_Kilifi_333T.....	..G.....	.....
PF10_0348_Kilifi_334G.....	.....
PF10_0348_Kilifi_336G.....	.....
PF10_0348_Kilifi_344G.....	.....
PF10_0348_Kilifi_345G.....	.....
PF10_0348_Kilifi_349G.....	.....
PF10_0348_Kilifi_359G.....	.....
PF10_0348_Kilifi_364T.....	..G.....	.....
PF10_0348_Kilifi_389G.....	.....
PF10_0348_Kilifi_406G.....	.....
PF10_0348_Kilifi_528G.....	.....
PF10_0348_Kilifi_388G.....	.....
PF10_0348_Kilifi_365G.....	.....
PF10_0348_Kilifi_323G.....	.....
PF10_0348_Kilifi_028G.....	.....
PF10_0348_Kilifi_110T.....	..G.....	.....
PF10_0348_Kilifi_128T.....	..G.....	.....
PF10_0348_Kilifi_214G.....	.....
PF10_0348_Kilifi_216G.....	.....
PF10_0348_Kilifi_314T.....	..G.....	.....
PF10_0348_Kilifi_384T.....	..G.....	.....
PF10_0348_Kilifi_298G.....	.....
PF10_0348_Kilifi_020T.....	..G.....	.....
PF10_0348_Kilifi_052G.....	.....
PF10_0348_Kilifi_164G.....	.....
PF10_0348_Kilifi_194G.....	.....
PF10_0348_Kilifi_302T.....	..G.....	.....
PF10_0348_Kilifi_304G.....	.....
PF10_0348_Kilifi_311T.....	..G.....	.....
PF10_0348_Kilifi_321T.....	..G.....	.....
PF10_0348_Kilifi_044G.....	.....
PF10_0348_Kilifi_356G.....	.....
PF10_0348_Kilifi_045G.....	.....
<i>Plasmodium reichenowi</i>G.....	.....

	1370	1380	1390	1400	1410	1420	1430	1440
PF10_0348_3D7	TTGATAACAA	AAAAAATCAA	GATTCTCTAA	CAACCACATTC	TTTATCAACG	TCTATTAATA	GTGTTAGGGA	TTCTAGTAAT
PF10_0348_Kilifi_019								
PF10_0348_Kilifi_021								
PF10_0348_Kilifi_023				A	A			
PF10_0348_Kilifi_027								
PF10_0348_Kilifi_050								
PF10_0348_Kilifi_057								
PF10_0348_Kilifi_062								
PF10_0348_Kilifi_082								
PF10_0348_Kilifi_091								
PF10_0348_Kilifi_093								
PF10_0348_Kilifi_097								
PF10_0348_Kilifi_105								
PF10_0348_Kilifi_160								
PF10_0348_Kilifi_162								
PF10_0348_Kilifi_186								
PF10_0348_Kilifi_191				A	A		G	
PF10_0348_Kilifi_199								
PF10_0348_Kilifi_235								
PF10_0348_Kilifi_242								
PF10_0348_Kilifi_245								
PF10_0348_Kilifi_248								
PF10_0348_Kilifi_249								
PF10_0348_Kilifi_262								
PF10_0348_Kilifi_289								
PF10_0348_Kilifi_290								
PF10_0348_Kilifi_297								
PF10_0348_Kilifi_299								
PF10_0348_Kilifi_310								
PF10_0348_Kilifi_319								
PF10_0348_Kilifi_324								
PF10_0348_Kilifi_333							G	
PF10_0348_Kilifi_334								
PF10_0348_Kilifi_336								
PF10_0348_Kilifi_344								
PF10_0348_Kilifi_345								
PF10_0348_Kilifi_349								
PF10_0348_Kilifi_359								
PF10_0348_Kilifi_364								
PF10_0348_Kilifi_389								
PF10_0348_Kilifi_406								
PF10_0348_Kilifi_528								
PF10_0348_Kilifi_388								
PF10_0348_Kilifi_365								
PF10_0348_Kilifi_323								
PF10_0348_Kilifi_028								
PF10_0348_Kilifi_110							C	
PF10_0348_Kilifi_128								
PF10_0348_Kilifi_214				A	A		G	
PF10_0348_Kilifi_216								
PF10_0348_Kilifi_314								
PF10_0348_Kilifi_384								
PF10_0348_Kilifi_298								
PF10_0348_Kilifi_020				A	A			
PF10_0348_Kilifi_052								
PF10_0348_Kilifi_164								
PF10_0348_Kilifi_194								
PF10_0348_Kilifi_302								
PF10_0348_Kilifi_304							G	
PF10_0348_Kilifi_311					A			
PF10_0348_Kilifi_321								
PF10_0348_Kilifi_044								
PF10_0348_Kilifi_356								
PF10_0348_Kilifi_045								
<i>Plasmodium reichenowi</i>	G			A	A			

	1930	1940	1950	1960	1970	1980	1990	2000
PF10_0348_3D7	ACGGAAGATA	TAGAAGAGGA	AAATAAGGAA	AAAGAACTCA	GTAATCAACA	ACAAAGTGAA	AAAAAAAGTA	TTTCAAAAGT
PF10_0348_Kilifi_019								
PF10_0348_Kilifi_021			.G.					
PF10_0348_Kilifi_023								
PF10_0348_Kilifi_027			.G.					
PF10_0348_Kilifi_050			.G.					
PF10_0348_Kilifi_057								
PF10_0348_Kilifi_062			.G.					
PF10_0348_Kilifi_082								
PF10_0348_Kilifi_091								
PF10_0348_Kilifi_093			.G.					
PF10_0348_Kilifi_097								
PF10_0348_Kilifi_105								
PF10_0348_Kilifi_160								
PF10_0348_Kilifi_162								
PF10_0348_Kilifi_186								
PF10_0348_Kilifi_191								
PF10_0348_Kilifi_199								
PF10_0348_Kilifi_235								
PF10_0348_Kilifi_242								
PF10_0348_Kilifi_245								
PF10_0348_Kilifi_248								
PF10_0348_Kilifi_249								
PF10_0348_Kilifi_262								
PF10_0348_Kilifi_289								
PF10_0348_Kilifi_290			.G.					
PF10_0348_Kilifi_297			.G.					
PF10_0348_Kilifi_299			.G.					
PF10_0348_Kilifi_310			.G.					
PF10_0348_Kilifi_319								
PF10_0348_Kilifi_324								
PF10_0348_Kilifi_333								
PF10_0348_Kilifi_334			.G.					
PF10_0348_Kilifi_336			.G.					
PF10_0348_Kilifi_344								
PF10_0348_Kilifi_345								
PF10_0348_Kilifi_349								
PF10_0348_Kilifi_359								
PF10_0348_Kilifi_364								
PF10_0348_Kilifi_389								
PF10_0348_Kilifi_406			.G.					
PF10_0348_Kilifi_528			.G.					
PF10_0348_Kilifi_388								
PF10_0348_Kilifi_365								
PF10_0348_Kilifi_323								
PF10_0348_Kilifi_028								
PF10_0348_Kilifi_110			.G.					
PF10_0348_Kilifi_128								
PF10_0348_Kilifi_214								
PF10_0348_Kilifi_216								
PF10_0348_Kilifi_314			.G.A.					
PF10_0348_Kilifi_384								
PF10_0348_Kilifi_298								
PF10_0348_Kilifi_020								
PF10_0348_Kilifi_052								
PF10_0348_Kilifi_164								
PF10_0348_Kilifi_194								
PF10_0348_Kilifi_302								
PF10_0348_Kilifi_304								
PF10_0348_Kilifi_311								
PF10_0348_Kilifi_321								
PF10_0348_Kilifi_044								
PF10_0348_Kilifi_356								
PF10_0348_Kilifi_045								
<i>Plasmodium reichenowi</i>				.G.	A.		G.	

2170

....|....| ..
TTTCAAAAAT AA

PF10_0348_3D7
PF10_0348_Kilifi_019
PF10_0348_Kilifi_021
PF10_0348_Kilifi_023
PF10_0348_Kilifi_027
PF10_0348_Kilifi_050
PF10_0348_Kilifi_057
PF10_0348_Kilifi_062
PF10_0348_Kilifi_082
PF10_0348_Kilifi_091
PF10_0348_Kilifi_093
PF10_0348_Kilifi_097
PF10_0348_Kilifi_105
PF10_0348_Kilifi_160
PF10_0348_Kilifi_162
PF10_0348_Kilifi_186
PF10_0348_Kilifi_191
PF10_0348_Kilifi_199
PF10_0348_Kilifi_235
PF10_0348_Kilifi_242
PF10_0348_Kilifi_245
PF10_0348_Kilifi_248
PF10_0348_Kilifi_249
PF10_0348_Kilifi_262
PF10_0348_Kilifi_289
PF10_0348_Kilifi_290
PF10_0348_Kilifi_297
PF10_0348_Kilifi_299
PF10_0348_Kilifi_310
PF10_0348_Kilifi_319
PF10_0348_Kilifi_324
PF10_0348_Kilifi_333
PF10_0348_Kilifi_334
PF10_0348_Kilifi_336
PF10_0348_Kilifi_344
PF10_0348_Kilifi_345
PF10_0348_Kilifi_349
PF10_0348_Kilifi_359
PF10_0348_Kilifi_364
PF10_0348_Kilifi_389
PF10_0348_Kilifi_406
PF10_0348_Kilifi_528
PF10_0348_Kilifi_388
PF10_0348_Kilifi_365
PF10_0348_Kilifi_323
PF10_0348_Kilifi_028
PF10_0348_Kilifi_110
PF10_0348_Kilifi_128
PF10_0348_Kilifi_214
PF10_0348_Kilifi_216
PF10_0348_Kilifi_314
PF10_0348_Kilifi_384
PF10_0348_Kilifi_298
PF10_0348_Kilifi_020
PF10_0348_Kilifi_052
PF10_0348_Kilifi_164
PF10_0348_Kilifi_194
PF10_0348_Kilifi_302
PF10_0348_Kilifi_304
PF10_0348_Kilifi_311
PF10_0348_Kilifi_321
PF10_0348_Kilifi_044
PF10_0348_Kilifi_356
PF10_0348_Kilifi_045
Plasmodium reichenowi

	90	100	110	120	130	140	150	160
PF10_0355_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0355_Kilifi_019	TGTTGTAAT	GAGGGGAACC	CTAATTTAAG	AAATAACATA	ATTAATGATG	ATGAACTAAA	GGGGAAAGCA	TATAATAATA
PF10_0355_Kilifi_020T.....	.....	.....
PF10_0355_Kilifi_021T.....	.....	.....
PF10_0355_Kilifi_023T.....	.....	.....
PF10_0355_Kilifi_027T.....	.....	.....
PF10_0355_Kilifi_028T.....	.....	.....
PF10_0355_Kilifi_050TT.....	.....	.....
PF10_0355_Kilifi_082T.....	.....	.....
PF10_0355_Kilifi_084T.....	.....	.....
PF10_0355_Kilifi_091T.....	.....	.....
PF10_0355_Kilifi_093T.....	.....	.....
PF10_0355_Kilifi_097T.....	.....	.....
PF10_0355_Kilifi_105C.....	.....	.....	.....T.....	.....	.....
PF10_0355_Kilifi_110T.....	.....	.....
PF10_0355_Kilifi_124T.....	.....	.....
PF10_0355_Kilifi_128T.....	.....	.....
PF10_0355_Kilifi_150T.....	.....	.....
PF10_0355_Kilifi_160T.....	.....	.....
PF10_0355_Kilifi_162T.....	.....	.....
PF10_0355_Kilifi_164T.....	.....	.....
PF10_0355_Kilifi_187T.....	.....	.....
PF10_0355_Kilifi_191T.....	.....	.....
PF10_0355_Kilifi_194T.....	.....	.....
PF10_0355_Kilifi_199T.....	.....	.....
PF10_0355_Kilifi_201T.....	.....	.....
PF10_0355_Kilifi_202T.....	.....	.....
PF10_0355_Kilifi_214T.....	.....	.....
PF10_0355_Kilifi_216T.....	.....	.....
PF10_0355_Kilifi_229T.....	.....	.....
PF10_0355_Kilifi_235T.....	.....	.....
PF10_0355_Kilifi_240T.....	.....	.....
PF10_0355_Kilifi_245T.....	.....	.....
PF10_0355_Kilifi_248C.....	.....	.....	.....T.....	.....	.....
PF10_0355_Kilifi_250T.....	.....	.....
PF10_0355_Kilifi_262T.....	.....	.....
PF10_0355_Kilifi_289T.....	.....	.....
PF10_0355_Kilifi_297T.....	.....	.....
PF10_0355_Kilifi_298T.....	.....	.....
PF10_0355_Kilifi_299T.....	.....	.....
PF10_0355_Kilifi_302T.....	.....	.....
PF10_0355_Kilifi_307T.....	.....	.....
PF10_0355_Kilifi_311T.....	.....	.....
PF10_0355_Kilifi_314T.....	.....	.....
PF10_0355_Kilifi_319T.....	.....	.....
PF10_0355_Kilifi_321T.....	.....	.....
PF10_0355_Kilifi_322T.....	.....	.....
PF10_0355_Kilifi_323T.....	.....	.....
PF10_0355_Kilifi_324T.....	.....	.....
PF10_0355_Kilifi_328T.....	.....	.....
PF10_0355_Kilifi_333T.....	.....	.....
PF10_0355_Kilifi_334T.....	.....	.....
PF10_0355_Kilifi_336T.....	.....	.....
PF10_0355_Kilifi_340T.....	.....	.....
PF10_0355_Kilifi_343T.....	.....	.....
PF10_0355_Kilifi_344T.....	.....	.....
PF10_0355_Kilifi_345T.....	.....	.....
PF10_0355_Kilifi_349T.....	.....	.....
PF10_0355_Kilifi_356T.....	.....	.....
PF10_0355_Kilifi_359A.....	.....	.....	.....	.....T.....	.....	.....
PF10_0355_Kilifi_364T.....	.....	.....
PF10_0355_Kilifi_365T.....	.....	.....
PF10_0355_Kilifi_384T.....	.....	.....
PF10_0355_Kilifi_406G.....	.....	.....	.....	.....T.....	.....	.....
<i>Plasmodium reichenowi</i>	.....A.....	.....	.....T.....	.....	.....	.....T.....	.....	.....A.....

	170	180	190	200	210	220	230	240
PF10_0355_3D7	CTATAGATGC	TAATAACCAA	AATATAGAAT	ATAATAAAAA	CTTAAAGCAC	AATGTAAACT	CATCTCATAT	ATCTAAATTT
PF10_0355_Kilifi_019					G			
PF10_0355_Kilifi_020					G			
PF10_0355_Kilifi_021					G			
PF10_0355_Kilifi_023					G			
PF10_0355_Kilifi_027					G			
PF10_0355_Kilifi_028					G			
PF10_0355_Kilifi_050					G		T	
PF10_0355_Kilifi_082					G			
PF10_0355_Kilifi_084					G			
PF10_0355_Kilifi_091					G			
PF10_0355_Kilifi_093					G			
PF10_0355_Kilifi_097					G			
PF10_0355_Kilifi_105		A			G			
PF10_0355_Kilifi_110					G			
PF10_0355_Kilifi_124					G			
PF10_0355_Kilifi_128					G			
PF10_0355_Kilifi_150					G			
PF10_0355_Kilifi_160					G			
PF10_0355_Kilifi_162					G		T	T
PF10_0355_Kilifi_164					G			
PF10_0355_Kilifi_187					G			
PF10_0355_Kilifi_191					G			
PF10_0355_Kilifi_194					G			
PF10_0355_Kilifi_199					G			
PF10_0355_Kilifi_201					G			
PF10_0355_Kilifi_202					G			
PF10_0355_Kilifi_214					G			
PF10_0355_Kilifi_216					G			
PF10_0355_Kilifi_229					G			
PF10_0355_Kilifi_235					G			
PF10_0355_Kilifi_240		G			G			
PF10_0355_Kilifi_245					G			
PF10_0355_Kilifi_248		A			G			
PF10_0355_Kilifi_250					G			
PF10_0355_Kilifi_262					G			
PF10_0355_Kilifi_289					G			
PF10_0355_Kilifi_297					G			
PF10_0355_Kilifi_298					G			
PF10_0355_Kilifi_299					G			
PF10_0355_Kilifi_302					G			
PF10_0355_Kilifi_307					G			
PF10_0355_Kilifi_311					G			
PF10_0355_Kilifi_314					G			
PF10_0355_Kilifi_319					G			
PF10_0355_Kilifi_321					G			
PF10_0355_Kilifi_322					G			
PF10_0355_Kilifi_323					G			
PF10_0355_Kilifi_324				G	G			
PF10_0355_Kilifi_328					G			
PF10_0355_Kilifi_333					G			
PF10_0355_Kilifi_334					G			T
PF10_0355_Kilifi_336					G			
PF10_0355_Kilifi_340					G			
PF10_0355_Kilifi_343					G			
PF10_0355_Kilifi_344					G			
PF10_0355_Kilifi_345					G			
PF10_0355_Kilifi_349					G			
PF10_0355_Kilifi_356					G			
PF10_0355_Kilifi_359					G			
PF10_0355_Kilifi_364					G			
PF10_0355_Kilifi_365		G			G		T	T
PF10_0355_Kilifi_384					G			
PF10_0355_Kilifi_406					G			
<i>Plasmodium reichenowi</i>		T		T		T	G	

	490	500	510	520	530	540	550	560
PF10_0355_3D7	---TTTAATA	AATGTCCTAC	TGAAGAGATT	TGTAAGACT	TTAGTAACT	TCCACAATGT	CGAAGAATG	TACATGAA--
PF10_0355_Kilifi_019	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_020	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_021	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_023	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_027	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_028	---							
PF10_0355_Kilifi_050	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_082	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_084	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_091	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_093	---							
PF10_0355_Kilifi_097	---							
PF10_0355_Kilifi_105	---							
PF10_0355_Kilifi_110	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_124	---							
PF10_0355_Kilifi_128	---							
PF10_0355_Kilifi_150	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_160	---							
PF10_0355_Kilifi_162	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_164	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_187	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_191	---							
PF10_0355_Kilifi_194	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_199	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_201	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_202	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_214	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_216	---							
PF10_0355_Kilifi_229	---							
PF10_0355_Kilifi_235	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_240	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_245	---							
PF10_0355_Kilifi_248	---							
PF10_0355_Kilifi_250	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_262	---							
PF10_0355_Kilifi_289	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_297	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_298	---C.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_299	---							
PF10_0355_Kilifi_302	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_307	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_311	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_314	---							
PF10_0355_Kilifi_319	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_321	---							
PF10_0355_Kilifi_322	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_323	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_324	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_328	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_333	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_334	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_336	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_340	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_343	---							
PF10_0355_Kilifi_344	AATCA.T...	GA.A.A.TT..	T.GTA	.CAA...G.	G.TA.T...	.CTCTA.A.	ATTTCACTGG	
PF10_0355_Kilifi_345	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_349	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_356	---							
PF10_0355_Kilifi_359	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_364	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_365	---C.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_384	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
PF10_0355_Kilifi_406	---CC.....	GT.....	A.....	T.....	.G..CC...		G.....	
<i>Plasmodium reichenowi</i>	---CC.....	GT.....	A.....	T.....	.G..TCA.C	.A.GA.....	T.....	

	570	580	590	600	610	620	630	640
PF10_0355_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0355_Kilifi_019	----AGAAAT	AATGTGGTGG	GCTCAAGTGT	AAAAAATTTT	TCAAGTGATA	ATAAGGGGGT	TCTTGTTCCT	CCAAGAAGAC
PF10_0355_Kilifi_020	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_021	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_023	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_027	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_028	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_050	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_082	----	.....A	....A...	....A...	.....T	....A..	.....	.....
PF10_0355_Kilifi_084	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_091	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_093	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_097	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_105	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_110	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_124	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_128	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_150	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_160	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_162	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_164	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_187	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_191	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_194	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_199	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_201	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_202	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_214	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_216	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_229	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_235	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_240	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_245	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_248	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_250	----	.....A	....A...	....A...	.....T	....A..	.....	.....
PF10_0355_Kilifi_262	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_289	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_297	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_298	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_299	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_302	----	.....A	....A...	....A...	.....T	....A..	.....	.....
PF10_0355_Kilifi_307	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_311	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_314	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_319	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_321	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_322	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_323	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_324	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_328	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_333	----	.....A	....A...	....A...	.....T	....A..	.....	.....
PF10_0355_Kilifi_334	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_336	----	.....A	....A...	....A...	.....T	....A..	.....	.....
PF10_0355_Kilifi_340	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_343	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_344	TACA.A.GG.	G....GCTA	....A...	C.G....C	.T..CA.T..	....A..T..	C.....C	.....A
PF10_0355_Kilifi_345	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_349	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_356	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_359	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_364	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_365	----	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_384	----	.....A	....A...	....A...	.....	.....	.....	.....
PF10_0355_Kilifi_406	----	.....A	....A...	....A...	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	----.G...	....A..A	....A...	....GA..	A.....	.....A..	.....	.....

	650	660	670	680	690	700	710	720
PF10_0355_3D7	AATCTTTATG	TTTAAGAATT	ACATTACAAG	ATTTTCGTAC	GAAAAAGAAA	AAGGAAGGAG	ATTTTGAAAA	ATTTATTAT
PF10_0355_Kilifi_019	..	..	..	..	..	..	..	..
PF10_0355_Kilifi_020	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_021	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_023	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_027	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_028	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_082	..T.....	.....	.....A	.....G..A...	..A...	..CA.....	.....	.....
PF10_0355_Kilifi_084	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_091	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_093	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_097	.....	.....	.....A	.....A.G..A...	..A...	..CA.....	.....	.....
PF10_0355_Kilifi_105	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_110	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_124	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_128	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_150	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_160	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_162	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_164	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_187	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_191	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_194	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_199	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_202	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_214	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_216	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_229	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_235	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_240	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_245	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_248	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_250	..T.....	.....	.....A	.....G..A...	..A...	..CA.....	.....	.....
PF10_0355_Kilifi_262	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_298	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_302	..T.....	.....	.....A	.....G..A...	..A...	..CA.....	.....	.....
PF10_0355_Kilifi_307	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_311	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_314	.....	.....	.....A	.....A.G..A...	..A...	..CA.....	.....	.....
PF10_0355_Kilifi_319	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_321	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_322	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_323	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_324	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_328	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_333	..T.....	.....	.....A	.....G..A...	..A...	..CA.....	.....	.....
PF10_0355_Kilifi_334	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_336	..T.....	.....	.....A	.....G.....	.....C.....	.....	.....	.....
PF10_0355_Kilifi_340	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_343	.....	.....	.....A	.....G..A...	..A...	.....	.....	.....
PF10_0355_Kilifi_344	..CAAA.G..	..T.....	..ATA..A.CA	.....C..A	ATT...A...	..CT.....TA	..A.....T..C	.....C
PF10_0355_Kilifi_345	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_359	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_365	.....	.....	.....	.....G.....	.....	.....	.....	.....
PF10_0355_Kilifi_384	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	..T.....	..A.....	.....A	.....G..A.G...	..A...	..CCA..ATG.	.....	..T.....

	890	900	910	920	930	940	950	960
PF10_0355_3D7	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|	.....|.....|
PF10_0355_Kilifi_019	TAGAAAAAGT	ACTTAAAT	TATAATGAAA	ATAATGATAA	ACCAAAAAGAT	GCAAAAAAAT	GGTGGACAGA	AAACAGGCAT
PF10_0355_Kilifi_020	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_021	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_023	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_027	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_028	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_050	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_082	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_084	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_091	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_093	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_097	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_105	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_110	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_124	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_128	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_150	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_160	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_162	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_164	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_187	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_191	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_194	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_199	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_201	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_202	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_214	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_216	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_229	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_235	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_240	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_245	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_248	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_250	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_262	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_298	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_299	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_302	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_307	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_311	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_314	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_319	.G..G....	...CGG..AA	C.T..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_321	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_322	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_323	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_324	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_328	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_333	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_334	.G..G....	...CGG..AA	C.AT..A...	..G..A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_336	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_340	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_343	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_344	.G..G....	...CGG..AA	C.AT..A...	..GT.A..G.	T.....T...	..T...CC.	.....TTC.	.....AA...
PF10_0355_Kilifi_345	....G....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_359	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_365	.....	.....C..	C....A...	.....A--	-A.....	.....	.....T...T..	.....
PF10_0355_Kilifi_384	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	....G....	....G..C..	C....A...	..G..A--	-G.....	.....	.....G..T....	.....

	970	980	990	1000	1010	1020	1030	1040
PF10_0355_3D7	CATGTTTGGG	AAGCAATGAT	GTGCGGATAT	CAGAGTGC GC	AGAAAAGATAA	CCAATGTACA	GGTTATGGTA	ACATTGATGA
PF10_0355_Kilifi_019	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_020
PF10_0355_Kilifi_021
PF10_0355_Kilifi_023A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_027
PF10_0355_Kilifi_028
PF10_0355_Kilifi_050
PF10_0355_Kilifi_082A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_084
PF10_0355_Kilifi_091
PF10_0355_Kilifi_093A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_097A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_105
PF10_0355_Kilifi_110	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_124
PF10_0355_Kilifi_128A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_150
PF10_0355_Kilifi_160A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_162
PF10_0355_Kilifi_164	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_187
PF10_0355_Kilifi_191A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_194A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_199	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_201
PF10_0355_Kilifi_202A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_214	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_216A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_229
PF10_0355_Kilifi_235
PF10_0355_Kilifi_240A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_245
PF10_0355_Kilifi_248
PF10_0355_Kilifi_250A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_262
PF10_0355_Kilifi_289
PF10_0355_Kilifi_297
PF10_0355_Kilifi_298
PF10_0355_Kilifi_299
PF10_0355_Kilifi_302A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_307
PF10_0355_Kilifi_311	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_314A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_319	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_321A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_322
PF10_0355_Kilifi_323A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_324
PF10_0355_Kilifi_328C.....	.....	.....	.....	.....
PF10_0355_Kilifi_333A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_334	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_336A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_340	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_343A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_344	.G.....	.T.....	.....	..ATA..AAA	.A.....	TA.....	..A....C.	.T..AT...
PF10_0355_Kilifi_345A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_349
PF10_0355_Kilifi_356
PF10_0355_Kilifi_359
PF10_0355_Kilifi_364
PF10_0355_Kilifi_365A..A..A	.A.....	TG.....	..TA....C.	.T.....
PF10_0355_Kilifi_384
PF10_0355_Kilifi_406
<i>Plasmodium reichenowi</i>	...A...C.A	.....	..A.....	..A..A..A	.A.....	TG.....	..TA....C.	.T.....

	1050	1060	1070	1080	1090	1100	1110	1120
PF10_0355_3D7	TATACCACAA	TTTTTAAGGT	GGTTCAGAGA	GTGGGGAACA	TATGTCTGTG	AAGAAAGCGA	AAAAAATATG	AACACACTAA
PF10_0355_Kilifi_019
PF10_0355_Kilifi_020C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_021
PF10_0355_Kilifi_023T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_027
PF10_0355_Kilifi_028T.....	..G..T..	.....
PF10_0355_Kilifi_050
PF10_0355_Kilifi_082T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_084
PF10_0355_Kilifi_091
PF10_0355_Kilifi_093T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_097T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_105
PF10_0355_Kilifi_110C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_124
PF10_0355_Kilifi_128T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_150
PF10_0355_Kilifi_160T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_162
PF10_0355_Kilifi_164
PF10_0355_Kilifi_187
PF10_0355_Kilifi_191T.....	..G..T..	.....
PF10_0355_Kilifi_194T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_199C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_201
PF10_0355_Kilifi_202T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_214
PF10_0355_Kilifi_216T....	.....	..G.....T..	..T.....	..G..T..	.....
PF10_0355_Kilifi_229
PF10_0355_Kilifi_235
PF10_0355_Kilifi_240T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_245
PF10_0355_Kilifi_248
PF10_0355_Kilifi_250T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_262
PF10_0355_Kilifi_289
PF10_0355_Kilifi_297
PF10_0355_Kilifi_298
PF10_0355_Kilifi_299T.....	..G..T..	.....
PF10_0355_Kilifi_302T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_307
PF10_0355_Kilifi_311C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_314T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_319C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_321T.....	..G..T..	.....
PF10_0355_Kilifi_322
PF10_0355_Kilifi_323T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_324
PF10_0355_Kilifi_328
PF10_0355_Kilifi_333T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_334C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_336G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_340C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_343T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_344C.....	....T....	A.....T.	.....	.....	.....	.....
PF10_0355_Kilifi_345T....	.....	..G.....	..T.....	..G..T..	.....
PF10_0355_Kilifi_349
PF10_0355_Kilifi_356
PF10_0355_Kilifi_359
PF10_0355_Kilifi_364
PF10_0355_Kilifi_365T.....	..G..T..	.....
PF10_0355_Kilifi_384
PF10_0355_Kilifi_406
<i>Plasmodium reichenowi</i>T....	C..A...C.	..G.....	..T.....	..T..T..	.....

	1130	1140	1150	1160	1170	1180	1190	1200
PF10_0355_3D7	AAGCTGTTG	CTTCCGAAA	CAGCCAAGAA	CCGAAGCGAA	TCCTGCATTG	ACTGTACATG	AAAATGAAAT	GTGCTCATCA
PF10_0355_Kilifi_019								
PF10_0355_Kilifi_020								
PF10_0355_Kilifi_021								
PF10_0355_Kilifi_023		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_027								
PF10_0355_Kilifi_028		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_050								
PF10_0355_Kilifi_082		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_084								
PF10_0355_Kilifi_091								
PF10_0355_Kilifi_093		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_097		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_105								
PF10_0355_Kilifi_110								
PF10_0355_Kilifi_124								
PF10_0355_Kilifi_128		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_150								
PF10_0355_Kilifi_160		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_162								
PF10_0355_Kilifi_164								
PF10_0355_Kilifi_187								
PF10_0355_Kilifi_191		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_194		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_199								
PF10_0355_Kilifi_201								
PF10_0355_Kilifi_202		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_214								
PF10_0355_Kilifi_216		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_229								
PF10_0355_Kilifi_235								
PF10_0355_Kilifi_240		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_245								
PF10_0355_Kilifi_248								
PF10_0355_Kilifi_250		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_262								
PF10_0355_Kilifi_289								
PF10_0355_Kilifi_297								
PF10_0355_Kilifi_298								
PF10_0355_Kilifi_299		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_302		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_307								
PF10_0355_Kilifi_311								
PF10_0355_Kilifi_314		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_319								
PF10_0355_Kilifi_321		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_322								
PF10_0355_Kilifi_323		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_324								
PF10_0355_Kilifi_328								
PF10_0355_Kilifi_333		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_334								
PF10_0355_Kilifi_336		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_340								
PF10_0355_Kilifi_343		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_344								
PF10_0355_Kilifi_345		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_349								
PF10_0355_Kilifi_356								
PF10_0355_Kilifi_359								
PF10_0355_Kilifi_364								
PF10_0355_Kilifi_365		T...A...	...T...	...A...	T...A..	...AC.C	...A.GT.C	
PF10_0355_Kilifi_384								
PF10_0355_Kilifi_406								
<i>Plasmodium reichenowi</i>		T...A...	...A...G	T...A.A.	...T...	...A.TC..	...A.C.C	

	1210	1220	1230	1240	1250	1260	1270	1280
PF10_0355_3D7	ACTTTAAAAA	AATATGAAGA	ATGGTATAAT	AAAAGGAAAA	CTGAATGGAC	TGAACAATCT	---ATTAAAT	ATAACAATGA
PF10_0355_Kilifi_019	---
PF10_0355_Kilifi_020	---
PF10_0355_Kilifi_021	---
PF10_0355_Kilifi_023T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_027	---G..
PF10_0355_Kilifi_028T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_050	---G..
PF10_0355_Kilifi_082T.....	.....	.....	A.....	.....	ATT	.....G..
PF10_0355_Kilifi_084	---G..
PF10_0355_Kilifi_091	---G..
PF10_0355_Kilifi_093T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_097T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_105	---G..
PF10_0355_Kilifi_110	---G..
PF10_0355_Kilifi_124	---G..
PF10_0355_Kilifi_128T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_150	---G..
PF10_0355_Kilifi_160T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_162	---G..
PF10_0355_Kilifi_164	---G..
PF10_0355_Kilifi_187	---G..
PF10_0355_Kilifi_191T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_194T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_199	---G..
PF10_0355_Kilifi_201	---G..
PF10_0355_Kilifi_202T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_214	---G..
PF10_0355_Kilifi_216T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_229	---G..
PF10_0355_Kilifi_235	---G..
PF10_0355_Kilifi_240T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_245	---G..
PF10_0355_Kilifi_248	---G..
PF10_0355_Kilifi_250T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_262	---G..
PF10_0355_Kilifi_289	---G..
PF10_0355_Kilifi_297	---G..
PF10_0355_Kilifi_298	---G..
PF10_0355_Kilifi_299T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_302T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_307	---G..
PF10_0355_Kilifi_311	---G..
PF10_0355_Kilifi_314T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_319	---G..
PF10_0355_Kilifi_321T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_322	---G..
PF10_0355_Kilifi_323T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_324	---G..
PF10_0355_Kilifi_328	---G..
PF10_0355_Kilifi_333T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_334	---G..
PF10_0355_Kilifi_336T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_340	---G..
PF10_0355_Kilifi_343T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_344	---G..
PF10_0355_Kilifi_345T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_349	---G..
PF10_0355_Kilifi_356	---G..
PF10_0355_Kilifi_359	---G..
PF10_0355_Kilifi_364	---G..
PF10_0355_Kilifi_365T.....	.....	.....	A.....	.....	---	.....G..
PF10_0355_Kilifi_384	---G..
PF10_0355_Kilifi_406	---G..
<i>Plasmodium reichenowi</i>	A.....	.....	---	.....G..

	1370	1380	1390	1400	1410	1420	1430	1440
PF10_0355_3D7	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
PF10_0355_Kilifi_019	--AAAAAAA	TTTGCAAGAT	GTATTGGAAC	TTACATTGA	TGGAAAAGCT	TTATTAGAAA	AGCTAAAAAA	AGAAGAATCA
PF10_0355_Kilifi_020	--							
PF10_0355_Kilifi_021	--							
PF10_0355_Kilifi_023	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_027	--							
PF10_0355_Kilifi_028	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_050	--							
PF10_0355_Kilifi_082	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_084	--							
PF10_0355_Kilifi_091	--							
PF10_0355_Kilifi_093	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_097	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_105	--							
PF10_0355_Kilifi_110	--							
PF10_0355_Kilifi_124	--							
PF10_0355_Kilifi_128	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_150	--							
PF10_0355_Kilifi_160	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_162	--							
PF10_0355_Kilifi_164	--							
PF10_0355_Kilifi_187	--							
PF10_0355_Kilifi_191	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_194	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_199	--							
PF10_0355_Kilifi_201	--							
PF10_0355_Kilifi_202	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_214	--							
PF10_0355_Kilifi_216	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_229	--							
PF10_0355_Kilifi_235	--							
PF10_0355_Kilifi_240	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_245	--							
PF10_0355_Kilifi_248	--							
PF10_0355_Kilifi_250	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_262	--							
PF10_0355_Kilifi_289	--							
PF10_0355_Kilifi_297	--							
PF10_0355_Kilifi_298	--							
PF10_0355_Kilifi_299	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_302	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_307	--							
PF10_0355_Kilifi_311	--							
PF10_0355_Kilifi_314	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_319	--							
PF10_0355_Kilifi_321	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_322	--							
PF10_0355_Kilifi_323	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_324	--							
PF10_0355_Kilifi_328	--							
PF10_0355_Kilifi_333	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_334	--							
PF10_0355_Kilifi_336	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_340	--							
PF10_0355_Kilifi_343	--							
PF10_0355_Kilifi_344	--							
PF10_0355_Kilifi_345	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_349	--							
PF10_0355_Kilifi_356	--							
PF10_0355_Kilifi_359	--							
PF10_0355_Kilifi_364	--							
PF10_0355_Kilifi_365	--G.....	.....C...		A...T....		.....A...	.....G..G.	
PF10_0355_Kilifi_384	--							
PF10_0355_Kilifi_406	--							
<i>Plasmodium reichenowi</i>	AA.....		A.....		.A.....		A.....	G..G.....

	1530	1540	1550	1560	1570	1580	1590	1600
PF10_0355_3D7	ACAGGAAAAT	CAACCTGTTG	TAGAAACACC	TGTTACCACA	GCTGTTATTA	ATGAACATCA	AGGACAA---	---ACAGAAC
PF10_0355_Kilifi_019	---	---
PF10_0355_Kilifi_020	---	---
PF10_0355_Kilifi_021	---	---
PF10_0355_Kilifi_023G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_027	---	---
PF10_0355_Kilifi_028G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_050	---	---
PF10_0355_Kilifi_082G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_084	---	---
PF10_0355_Kilifi_091	---	---
PF10_0355_Kilifi_093G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_097G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_105	---	---
PF10_0355_Kilifi_110	---	---
PF10_0355_Kilifi_124	---	---
PF10_0355_Kilifi_128G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_150	---	---
PF10_0355_Kilifi_160G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_162	---	---
PF10_0355_Kilifi_164	---	---
PF10_0355_Kilifi_187	---	---
PF10_0355_Kilifi_191G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_194G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_199	---	---
PF10_0355_Kilifi_201	---	---
PF10_0355_Kilifi_202G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_214	---	---
PF10_0355_Kilifi_216G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_229	---	---
PF10_0355_Kilifi_235	---	---
PF10_0355_Kilifi_240G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_245	---	---
PF10_0355_Kilifi_248	---	---
PF10_0355_Kilifi_250G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_262	---	---
PF10_0355_Kilifi_289	---	---
PF10_0355_Kilifi_297	---	---
PF10_0355_Kilifi_298	---	---
PF10_0355_Kilifi_299G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_302G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_307	---	---
PF10_0355_Kilifi_311	---	---
PF10_0355_Kilifi_314G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_319	---	---
PF10_0355_Kilifi_321G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_322	---	---
PF10_0355_Kilifi_323G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_324	---	---
PF10_0355_Kilifi_328	---	---
PF10_0355_Kilifi_333G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_334	---	---
PF10_0355_Kilifi_336G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_340	---	---
PF10_0355_Kilifi_343	---	---
PF10_0355_Kilifi_344	---	---
PF10_0355_Kilifi_345G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_349	---	---
PF10_0355_Kilifi_356	---	---
PF10_0355_Kilifi_359	---	---
PF10_0355_Kilifi_364	---	---
PF10_0355_Kilifi_365G..	.....A..	.....C.....	.....T.....G.	.....	---	---.C.T.
PF10_0355_Kilifi_384	---	---
PF10_0355_Kilifi_406	---	---
<i>Plasmodium reichenowi</i>	.G.....	.T.G...G..	.....T.	..A.....	A.....CGG	...C.A....	.A....AAA	CAA.TCA...

	1610	1620	1630	1640	1650	1660	1670	1680
PF10_0355_3D7	CGAATAAAGG	TGACAACAAT	AATGAAAGAG	AAAATCATGA	AAGTAATGTT	GGTAGCATCC	AAGAAGTAAA	CCAAGGTAGC
PF10_0355_Kilifi_019	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_020	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_021	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_023	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_027	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_028	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_050	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_082	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_084	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_091	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_093	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_097	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_105	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_110	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_124	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_128	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_150	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_160	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_162	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_164	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_187	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_191	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_194	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_199	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_201	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_202	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_214	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_216	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_229	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_235	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_240	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_245	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_248	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_250	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_262	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_289	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_297	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_298	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_299	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_302	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_307	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_311	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_314	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_319	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_321	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_322	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_323	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_324	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_328	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_333	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_334	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_336	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_340	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_343	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_344	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_345	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_349	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_356	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_359	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_364	.....	.....	.....	.....	.....	.....	.....	.....
PF10_0355_Kilifi_365	.A...C..A	...T...G.	GG...G.C.	..C..A..A.	.....	.....	.....	.....
PF10_0355_Kilifi_384	.....	.....	.....	.....	.....	.....A.	.....	.....
PF10_0355_Kilifi_406	.....	.....	.....	.....	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>	.T...C..A.	...TG..A.G.	.....C.C	..C..A..A.	.....	.....T..G.	.....	.....T.....

	1770	1780	1790	1800	1810	1820	1830	1840
PF10_0355_3D7	TCTTGAACAA	CACTCTAAGG	AAGATGTAAA	AAAGGGATG-	TGCTTTAGAA	TTGGTACCTT	TATCTTTATC	GGATATTGAA
PF10_0355_Kilifi_019A-	.....	.....	.....	.....
PF10_0355_Kilifi_020A-	.....	.....	.....	.....
PF10_0355_Kilifi_021A-	.....	.....	.....	.....
PF10_0355_Kilifi_023A-	.....	.....	.....	.....
PF10_0355_Kilifi_027A-	.....	.....	.....	.....
PF10_0355_Kilifi_028A-	.....	.....	.....	.....
PF10_0355_Kilifi_050A-	.....	.....	.....	.....
PF10_0355_Kilifi_082A-	.....	.....	.....	.....
PF10_0355_Kilifi_084A-	.....	.....	.....	.....
PF10_0355_Kilifi_091A-	.....	.....	.....	.....
PF10_0355_Kilifi_093A-	.....	.....	.....	.....
PF10_0355_Kilifi_097A-	.....	.....	.....	.....
PF10_0355_Kilifi_105A-	.....	.....	.....	.....
PF10_0355_Kilifi_110A-	.....	.....	.....	.....
PF10_0355_Kilifi_124A-	.....	.....	.....	.....
PF10_0355_Kilifi_128A-	A.....	.....	.....	.....
PF10_0355_Kilifi_150A-	.....	.....	.....	.....
PF10_0355_Kilifi_160A-	.....	.....	.....	.....
PF10_0355_Kilifi_162A-	.....	.....	.....	.....
PF10_0355_Kilifi_164A-	.....	.....	.....	.....
PF10_0355_Kilifi_187A-	.....	.....	.....	.....
PF10_0355_Kilifi_191A-	.....	.....	.....	.....
PF10_0355_Kilifi_194A-	.....	.....	.....	.....
PF10_0355_Kilifi_199A-	.....	.....	.....	.....
PF10_0355_Kilifi_201A-	.....	.....	.....	.....
PF10_0355_Kilifi_202A-	.....	.....	.....	.....
PF10_0355_Kilifi_214A-	.....	.....	.....	.....
PF10_0355_Kilifi_216A-	A.....	.....	.....	.....
PF10_0355_Kilifi_229A-	.....	.....	.....	.....
PF10_0355_Kilifi_235A-	.....	.....	.....	.....
PF10_0355_Kilifi_240A-	.....	.....	.....	.....
PF10_0355_Kilifi_245A-	.....	.....	.....	.....
PF10_0355_Kilifi_248A-	.....	.....	.....	.....
PF10_0355_Kilifi_250A-	.....	.....	.....	.....
PF10_0355_Kilifi_262A-	.....	.....	.....	.....
PF10_0355_Kilifi_289A-	.....	.....	.....	.....
PF10_0355_Kilifi_297A-	.....	.....	.....	.....
PF10_0355_Kilifi_298A-	.....	.....	.....	.....
PF10_0355_Kilifi_299A-	.....	.....	.....	.....
PF10_0355_Kilifi_302A-	.....	.....	.....	.....
PF10_0355_Kilifi_307A-	.....	.....	.....	.....
PF10_0355_Kilifi_311A-	.....	.....	.....	.....
PF10_0355_Kilifi_314A-	A.....	.....	.....	.....
PF10_0355_Kilifi_319A-	A.....	.....	.....	.....
PF10_0355_Kilifi_321A-	.....	.....	.....	.....
PF10_0355_Kilifi_322A-	.....	.....	.....	.....
PF10_0355_Kilifi_323A-	.....	.....	.....	.....
PF10_0355_Kilifi_324A-	.....	.....	.....	.....
PF10_0355_Kilifi_328A-	.....	.....	.....	.....
PF10_0355_Kilifi_333A-	.....	.....	.....	.....
PF10_0355_Kilifi_334A-	A.....	.....	.....	.....
PF10_0355_Kilifi_336A-	.....	.....	.....	.....
PF10_0355_Kilifi_340A-	.....	.....	.....	.....
PF10_0355_Kilifi_343A-	.....	.....	.....	.....
PF10_0355_Kilifi_344A-	.....	.....	.....	.....
PF10_0355_Kilifi_345A-	.....	.....	.....	.....
PF10_0355_Kilifi_349A-	.....	.....	.....	.....
PF10_0355_Kilifi_356A-	.....	.....	.....	.....
PF10_0355_Kilifi_359A-	.....	.....	.....	.....
PF10_0355_Kilifi_364A-	.....	.....	.....	.....
PF10_0355_Kilifi_365A-	.....	.....	.....	.....
PF10_0355_Kilifi_384A-	.....	.....	.....	.....
PF10_0355_Kilifi_406A-	.....	.....	.....	.....
<i>Plasmodium reichenowi</i>GA.....	.....A.....	.....AAA.....	.....	.....	.....A.A.....	.....

	1850	1860	1870	1880	1890	1900	1910	1920
PF10_0355_3D7	CAGATAGCTA	ATGAAAGCGA	AGATGTACTG	GAAGAGATAG	AAGAAGAAAT	TAATACAGAT	GGGGAAATAG	AATATATAAC
PF10_0355_Kilifi_019								
PF10_0355_Kilifi_020								
PF10_0355_Kilifi_021								
PF10_0355_Kilifi_023								
PF10_0355_Kilifi_027								
PF10_0355_Kilifi_028								
PF10_0355_Kilifi_050								
PF10_0355_Kilifi_082								
PF10_0355_Kilifi_084								
PF10_0355_Kilifi_091								
PF10_0355_Kilifi_093								
PF10_0355_Kilifi_097								
PF10_0355_Kilifi_105								
PF10_0355_Kilifi_110								
PF10_0355_Kilifi_124								
PF10_0355_Kilifi_128								
PF10_0355_Kilifi_150								
PF10_0355_Kilifi_160								
PF10_0355_Kilifi_162								
PF10_0355_Kilifi_164								
PF10_0355_Kilifi_187								
PF10_0355_Kilifi_191								
PF10_0355_Kilifi_194								
PF10_0355_Kilifi_199								
PF10_0355_Kilifi_201								
PF10_0355_Kilifi_202								
PF10_0355_Kilifi_214								
PF10_0355_Kilifi_216								
PF10_0355_Kilifi_229								
PF10_0355_Kilifi_235								
PF10_0355_Kilifi_240								
PF10_0355_Kilifi_245								
PF10_0355_Kilifi_248								
PF10_0355_Kilifi_250								
PF10_0355_Kilifi_262								
PF10_0355_Kilifi_289								
PF10_0355_Kilifi_297								
PF10_0355_Kilifi_298								
PF10_0355_Kilifi_299								
PF10_0355_Kilifi_302								
PF10_0355_Kilifi_307								
PF10_0355_Kilifi_311								
PF10_0355_Kilifi_314								
PF10_0355_Kilifi_319								
PF10_0355_Kilifi_321								
PF10_0355_Kilifi_322								
PF10_0355_Kilifi_323								
PF10_0355_Kilifi_324								
PF10_0355_Kilifi_328								
PF10_0355_Kilifi_333								
PF10_0355_Kilifi_334								
PF10_0355_Kilifi_336								
PF10_0355_Kilifi_340								
PF10_0355_Kilifi_343								
PF10_0355_Kilifi_344								
PF10_0355_Kilifi_345								
PF10_0355_Kilifi_349								
PF10_0355_Kilifi_356								
PF10_0355_Kilifi_359								
PF10_0355_Kilifi_364								
PF10_0355_Kilifi_365								
PF10_0355_Kilifi_384								
PF10_0355_Kilifi_406								
<i>Plasmodium reichenowi</i>				T				GA

	2010	2020	2030	2040	2050	2060	2070	2080
PF10_0355_3D7	AAACAGAAGA	AGAA-----	-----	-----GC	AGATGAAGAA	ACAGTAAAAG	AAATAGAAGA	CAAACCAGAA
PF10_0355_Kilifi_019	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_020	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_021	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_023	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_027	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_028	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_050	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_082	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_084	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_091	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_093	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_097	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_105	ACAGAA	GAAGAA---	-----	ACAGAA	GAAGAA---	T.....	-----
PF10_0355_Kilifi_110	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_124	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_128	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_150	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_160	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_162	ACAGAA	GAAGAA---	-----	ACAGAA	GAAGAA---	T.....	-----
PF10_0355_Kilifi_164	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_187	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_191	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_194	-----	-----	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_199	-----	-----	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_201	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_202	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_214	-----	-----	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_216	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_229	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_235	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_240	-----	-----	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_245	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_248	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_250	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_262	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_289	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_297	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_298	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_299	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_302	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_307	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_311	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_314	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_319	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_321	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_322	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_323	-----	-----	-----	-----	A.G...	-----	G.....
PF10_0355_Kilifi_324	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_328	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_333	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_334	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_336	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_340	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_343	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_344	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_345	-----	-----	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_349	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_356	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_359	-----	-----	-----	-----	-----	G.....	-----
PF10_0355_Kilifi_364	ACAGAA	GAAGAA---	-----	-----	-----	T.....	-----
PF10_0355_Kilifi_365	-----	-----	-----	-----	-----	-----	-----
PF10_0355_Kilifi_384	ACAGAA	GAAGAA---	-----	-----	-----	-----	-----
PF10_0355_Kilifi_406	ACAGAA	GAAGAAACAG	AAGAAGAA..	-----	-----	T.....	-----

Plasmodium reichenowi

-----C.....T.....

....|....||....||...
GATATTACAA ATTTATTAA AAATTA

PF10_0355_3D7
PF10_0355_Kilifi_019
PF10_0355_Kilifi_020
PF10_0355_Kilifi_021
PF10_0355_Kilifi_023
PF10_0355_Kilifi_027
PF10_0355_Kilifi_028
PF10_0355_Kilifi_050
PF10_0355_Kilifi_082
PF10_0355_Kilifi_084
PF10_0355_Kilifi_091
PF10_0355_Kilifi_093
PF10_0355_Kilifi_097
PF10_0355_Kilifi_105
PF10_0355_Kilifi_110
PF10_0355_Kilifi_124
PF10_0355_Kilifi_128
PF10_0355_Kilifi_150
PF10_0355_Kilifi_160
PF10_0355_Kilifi_162
PF10_0355_Kilifi_164
PF10_0355_Kilifi_187
PF10_0355_Kilifi_191
PF10_0355_Kilifi_194
PF10_0355_Kilifi_199
PF10_0355_Kilifi_201
PF10_0355_Kilifi_202
PF10_0355_Kilifi_214
PF10_0355_Kilifi_216
PF10_0355_Kilifi_229
PF10_0355_Kilifi_235
PF10_0355_Kilifi_240
PF10_0355_Kilifi_245
PF10_0355_Kilifi_248
PF10_0355_Kilifi_250
PF10_0355_Kilifi_262
PF10_0355_Kilifi_289
PF10_0355_Kilifi_297
PF10_0355_Kilifi_298
PF10_0355_Kilifi_299
PF10_0355_Kilifi_302
PF10_0355_Kilifi_307
PF10_0355_Kilifi_311
PF10_0355_Kilifi_314
PF10_0355_Kilifi_319
PF10_0355_Kilifi_321
PF10_0355_Kilifi_322
PF10_0355_Kilifi_323
PF10_0355_Kilifi_324
PF10_0355_Kilifi_328
PF10_0355_Kilifi_333
PF10_0355_Kilifi_334
PF10_0355_Kilifi_336
PF10_0355_Kilifi_340
PF10_0355_Kilifi_343
PF10_0355_Kilifi_344
PF10_0355_Kilifi_345
PF10_0355_Kilifi_349
PF10_0355_Kilifi_356
PF10_0355_Kilifi_359
PF10_0355_Kilifi_364
PF10_0355_Kilifi_365
PF10_0355_Kilifi_384
PF10_0355_Kilifi_406
Plasmodium reichenowi