Malaria Genetics & Genomics: Segregation Data

The ***Plasmodium falciparum*** HB3 X Dd2 cross segregation data table is available below. Microsatellite markers and DNA primer sequences can be retrieved from the STS database or from the Segregation Table hyperlinks.
Last updated: Jan 7, 2000.

Chr	Sequencing Center	Last Update
1	Sanger Centre	99-Sep 22
2	TIGR/NMRC	99-Sep 22
3	Sanger Centre	99-Sep 22
4	Sanger Centre	99-Sep 22
5	Sanger Centre	99-Sep 22
6	Sanger Centre	99-Sep 22
7	Sanger Centre	00-Jan 07
8	Sanger Centre	99-Sep 22
9	Sanger Centre	99-Sep 30
10	TIGR	99-Sep 22
11	TIGR	99-Sep 22
12	Stanford University	99-Sep 30
13	Sanger Centre	99-Nov 26
14	TIGR	99-Sep 22

Chromosome 1 inheritance in *P. falciparum* HB3xDd2 cross

Top

		Legend for Tables			Next		Parent		Progeny																																					
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
C1M38	.	G38005	.	0	2	1	D	H	H	D	D	H	H	D	D	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M17	.	G38006	.	0	2	1	D	H	H	D	D	H	H	D	D	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
RESA	.	.	.	0	2	1	D	H	H	D	D	H	H	D	D	H	D	D	H	D	H	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C1M18	.	G38007	.	0	2	1	D	H	H	D	D	H	H	D	D	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M19	.	G38008	.	0	2	1	D	H	H	D	D	H	H	D	D	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M43	.	G42709	.	0	2	1	D	H	H	D	D	H	H	D	D	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M25	.	G37999	.	8.6	2	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	H	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M24	.	G38004	.	8.6	2	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	H	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M41	.	G42710	.	11.5	2	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M16	.	G38000	.	11.5	2	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M39	.	G38001	.	11.5	2	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M20	.	G38002	.	11.5	2	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
C1M11	.	G38003	.	14.4	3	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	H	D	D	H	H	H	H	D	D	H
B7M97	.	G42711	.	17.3	3	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H
CAATP	caapt	G37797	X71765	17.3	3	1	D	H	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H
C1M10	.	G38009	.	25.9	3	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	H
C1M32	.	G38010	.	25.9	3	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	H
C1M29	.	G38011	.	25.9	3	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	H
C1M27	.	G38012	.	28.8	3	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	H	D	D	D	D	H	D	H	D	D	H
C1M8	.	G38013	.	31.7	3	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	H	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
C1M4	.	G38014	.	34.6	3	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
C1M31	.	G38015	.	34.6	2	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
C1M30	.	G38016	.	34.6	2	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
C1M12	.	G38017	.	34.6	2	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
GARP	.	G37798	J03998	34.6	2	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
B7M88	.	G42712	.	34.6	2	1	D	H	D	D	D	H	H	H	D	H	D	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H
C1M13	.	G38018	.	37.5	3	1	D	H	D	D	D	H	H	H	D	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	H	D	D	D	D	D	D	H	D	H	D	D	H

Chromosome 2 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables			Next		Parent		Progeny																																					
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
C2M35	.	G37880	.	0	2	2	*	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D
C2M22	.	G37881	.	0	2	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D
KAHRP	.	G37767	J02972	0	2	2	*	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D
KPG	.	G37799	M19881	0	2	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D
C2M21	.	G37882	.	0	2	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D
C2M20	.	G37883	.	0	2	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D
C2M19	.	G37993	.	5.7	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	H
C2M18	.	G37884	.	8.6	2	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	D	D	D	D	D	H
C2M30	.	G37885	.	8.6	2	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	D	D	D	D	D	H
C2M32	.	G37994	.	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
IMP	.	G37800	J03828	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
C2M33	.	G37886	.	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
SERP1	.	G37802	M55428	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
SERP2	.	G37803	J03983	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
C2M34	.	G37995	.	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
AG513	.	.	.	.	.	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	-	-	-
C2M29	.	G37891	.	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
C2M28	.	G37890	.	20.0	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	D	H	H
C2M27	.	G37889	.	22.9	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
B7M51	.	G42713	.	22.9	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M26	.	G37888	.	22.9	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H	H	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M25	.	G37887	.	25.8	3	2	D	H	H	D	D	D	D	D	H	D	D	D	D	D	H	D	D	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M11	.	G37897	.	28.7	1	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M12	.	G37896	.	28.7	1	2	D	H	H	-	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
B5M131	.	G42714	.	28.7	1	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M13	.	G37895	.	31.6	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M15	.	G37894	.	31.6	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M16	.	G37893	.	31.6	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M17	.	G37892	.	37.3	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	H	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M1	.	G37898	.	40.2	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	H	H	D	D	H	D	D	D	D	D	D	D	D	D	D	H	H	H
C4M76	.	G37996	.	40.2	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H*
C2M2	.	G37899	.	40.2	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H
C4M5	.	G37997	.	40.2	3	2	D	H	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M3	.	G37900	.	43.1	3	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H
C2M4	.	G37901	.	46.0	3	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	H	H
C2M5	.	G37902	.	54.6	3	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	H	D	H	D	D	D	D	D	D	H	H
BM41	.	G42715	.	57.5	2	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	H	D	H	D	H	D	D	D	D	H	H
C2M6	.	G37903	.	57.5	2	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	H	D	H	D	H	D	D	D	D	H	H
C2M7	.	G37904	.	57.5	2	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	H	D	H	D	H	D	D	D	D	H	H
LW70	.	.	.	.	.	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	-	-	-
C2M8	.	G37905	.	60.4	2	2	D	H	H	D	D	D	D	D	H	D	D	H	H	D	H	D	D	D	D	D	H	D	D	D	H	D	H	D	H	D	H	D	D	D	D	H	H

Chromosome 3 inheritance in *P. falciparum* HB3xDd2 cross

Top

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Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
C3M76	.	G37920	.	0	2	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	D
C3M63	.	G37919	.	0	2	3	D	H	H	H*	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	D
C3M20	.	G37922	.	0	2	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	D
C3M29	.	G37874	.	0	2	3	D	H	H*	H*	D	D	H	H	D	H	H	H*	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	D
C3M73	.	G37918	.	0	2	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	D
C3M27	.	G37769	Z97349	2.9	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	H

C3M62	.	G37978	.	2.9	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	H	D	H	D	H	H	H	H
C3M72	.	G37977	.	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	D	D	H	H	H	H	H	D	H	H	H	H
Pf2541	.	G37806	T02541	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	D	D	H	H	H	H	H	D	H	H	H	H
C4M6	.	G42716	.	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	D	D	H	H	H	H	H	D	H	H	H	H
C3M60	.	G37923	.	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	D	D	H	H	H	H	H	D	H	H	H	H
C3M6	.	G37770	AL009014	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	-	D	D	D	D	H	H	H	H	H	D	H	H	H	H
C3M31	.	G37921	.	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	D	D	H	H	H	H	H	D	H	H	H	H
CSP	.	.	.	.	.	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
pMBB10	.	.	.	.	.	3	D	H	H	.	D	D	H	H	D	H	H	H	H	H	H	H	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C3M40	.	G37979	.	8.6	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	D	D	H	H	H	H	H	D	H	H	H	H
C3M85	.	G42717	.	14.3	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	H	H	H	H	H	D	H	H	H	H
C3M86	.	G42718	.	17.2	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	D	H	H	H	H	H	H	H	H	H	H
C3M88	.	G42719	.	20.1	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	H	H	H
B7M117	.	G42720	.	23	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	H	H	H
C3M69	.	G37915	.	25.9	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M42	.	G37975	.	25.9	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M52	.	G37914	.	28.8	1	3	D	H	H	H	D	D	H	H	D	D	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M39	.	G37913	.	28.8	1	3	D	H	H	H	D	D	H	H	D	D	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
TA101	.	G38821	AF010514	28.8	1	3	D	H	H	H	D	D	H	H*	D	D	H	H	H	H	H*	H	H	H	H	H	H	D	H	D	D	D	H*	H	H	H	H	H*	H*	H	D	H*	H*
C3M56	.	G37974	.	28.8	1	3	D	H	H	H	D	D	H	H	D	D	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M16	.	G42722	.	28.8	1	3	D	H	H	H	D	D	H	H	D	D	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C4M9	.	G42721	.	28.8	1	3	D	H	H	H	D	D	H	H	D	D	H	H	H	H	H	H	H	H	H	H	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M64	.	G37976	.	34.5	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M74	.	G37917	.	34.5	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M33	.	G37916	.	34.5	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	D	H	H	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
TA124	.	G38822	AF010512, AL008969,AL10166	34.5	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	H	D	H	D	H	D	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M75	.	G37980	.	40.2	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	D	D	H	D	H	H	D	D	H	H	H	H	H	H	H	H	D	H	H
BM12	.	G42723	.	40.2	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	D	D	H	D	H	H	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M81	.	G37924	.	40.2	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	D	D	H	D	H	H	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M3	.	G37981	.	40.2	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	H	H	H	H	D	D	H	D	H	H	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M79	.	G37925	.	43.1	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	H	H	H	H	H	H	H	H	D	H	H
C13M41	.	G42724	.	43.1	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	H	H	H	H	H	H	H	H	D	H	H
C3M70	.	G37926	.	46.0	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M55	.	G37982	.	46.0	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M4	.	G37906	.	46.0	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M61	.	G37927	.	46.0	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M2	.	G37928	.	46.0	3	3	D	H	H	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
LW72	.	.	.	.	.	3	D	H	D	H	D	D	H	H	D	H	H	H	H	H	D	H	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
B7M17	.	G42725	.	48.9	3	3	D	H	D	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M17	.	G37804	.	48.9	3	3	D	H	D	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M8	.	G37907	.	48.9	3	3	D	H	D	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M12	.	G37983	.	51.8	3	3	D	H	D	H	D	D	H	H	D	H	H	H	H	H	D	H	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M1	.	G37771	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
POLY2	.	G37805	X16561	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
TA99	.	G38823	AF010577	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M7	.	G37875	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M15	.	G37909	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M26	.	G37910	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M58	.	G37984	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M67	.	G37985	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M11	.	G37908	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C4M79	.	G42726	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M71	.	G37929	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
B5M101	.	G44746	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M46	.	G37930	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M48	.	G37986	.	57.5	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	H	H	D	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H

C3M47	.	G37931	.	60.4	3	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	D	D	D	H	D	D	H	D	H	D	H	D	H	D	H	H	H	H	H	H	H	H	D	H	H
C3M54	.	G37932	.	69.0	1	3	D	H	D	H	D	D	H	H	D	H	D	H	H	H	H	H	D	H	D	D	H	D	H	D	H	D	H	D	H	H	H	H	H	H	D	H	D	H	H
C3M43	.	G37988	.	71.9	3	3	D	H	D	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	D	D	H	D	H	D	H	D	H	D	H	H	H	H	H	H	D	H	D	H	H
C3M45	.	G37933	.	74.8	1	3	D	H	D	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	D	D	H	D	H	D	H	D	H	D	H	H	H	H	H	H	D	H	H	H	H
C3M38	.	G37987	.	74.8	1	3	D	H	D	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	D	D	H	D	H	D	H	D	H	D	H	H	H	H	H	H	D	H	H	H	H
C3M14	.	G37911	.	74.8	1	3	D	H	D	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	D	D	H	D	H	D	H	D	H	D	H	H	H	H	H	H	D	H	H	H	H

Chromosome 4 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables		Next			Parent		Progeny																																					
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
C4M62	.	G37934	.	0	3	4	D	H	D	D	H	H	H	H	D	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C4M11	.	G37935	.	2.9	2	4	D	H	D	D	H	H	H	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C4M82	.	G37998	.	2.9	2	4	D	H	D	D	H	H	H	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
B9M21	.	G42728	.	5.8	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C4M8	.	G37937	.	5.8	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
XB8M31	.	G42729	.	5.8	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C4M32	.	G37936	.	5.8	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C4M35	.	G37939	.	8.7	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	H	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
TA79	.	G38824	AF010567	8.7	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	H	D	D	H	H	D	H	H	D	D	D	H	D	D	H	H	H	D
Pf9605	9605	G37808	T09605	11.6	3	4	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	H	H	H	D
C4M47	.	G37940	.	17.3	3	4	D	H	D	D	H	H	H	D	D	D	D	D	D	H	H	D	D	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M31	.	G37941	.	20.2	3	4	D	H	D	D	H	H	H	D	D	D	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
SSP	.	G37773	M64107	20.2	3	4	D	H	D	D	H	H	H	D	D	D	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M64	.	G44695	.	20.2	3	4	D	H	D	D	H	H	H	D	D	D	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M50	.	G37989	.	20.2	3	4	D	H	D	D	H	H	H	D	D	D	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M49	.	G37942	.	20.2	3	4	D	H	D	D	H	H	H	D	D	D	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
pSL10	.	.	.	.	.	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
pC4.D21	.	.	.	.	.	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
POLYa	.	G37809	L18785	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M29	.	G37943	.	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M67	.	G37944	.	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M48	.	G37945	.	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M17	.	G37946	.	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M36	.	G37947	.	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M78	.	G37948	.	25.9	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	D	D	H	D	D	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M39	.	G37990	.	31.6	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	H	D	H	D	H	H	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M51	.	G37949	.	37.3	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	H	D	D	D	H	H	H	D	H	H	D	D	D	H	H	D	D	D	H	D
C4M40	.	G37991	.	37.3	3	4	D	H	H	D	H	H	H	D	D	H	D	D	D	H	H	D	H	H	D	D	D	H	H	H	D	H	H	D	D	D	H	H	D	D	D	H	D
C4M41	.	G37950	.	37.3	3	4	D	H	H	D	H	H	H*	D	D	H*	D	D	D	H*	H	D	H*	H	D	D	D	H	H	H*	D	H*	H*	D	D	D	H	H*	D	D	D	H*	D
C4M19	.	G37954	.	40.2	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	H	H	D	H	H	D	D	D	H	H	D	D	D	H	D
C4M69	.	G37956	.	43.1	3	4	D	H	H	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	D	H	D
pSc11.34	.	.	.	.	.	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
pC4.H31	.	.	.	.	.	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
DHFR	.	G37810	M22159	43.1	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	D	H	D
C4M71	.	G37952	.	46.0	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C3M35	.	G37953	.	46.0	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M28	.	G37992	.	46.0	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M21	.	G42730	.	48.9	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M23	.	G37955	.	48.9	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M25	.	G37957	.	48.9	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M13	.	G37951	.	48.9	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
TA69	.	G38809	AF010561	48.9	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	H	D	H	D	H	H	D	D	D	H	H	D	D	H	H	D
C4M81	.	G37958	.	54.6	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	D	D	H	D	D	H	H	D	D	H	H	D	D	H	H	D
C4M15	.	G37959	.	54.6	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	D	D	H	D	D	H	H	D	D	H	H	D	D	H	H	D
C4M24	.	G37960	.	54.6	3	4	D	H	H	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	D	D	D	H	D	D	H	H	D	D	H	H	D	D	H	H	D
C4M61	.	G37961	.	60.3	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	H	D	D	H	H	D	D	H	H	D	D	H	H	D

C4M7	.	G37962	.	60.3	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	H	D	D	H	H	D	D	H	H	D	D	H	H	D
C4M10	.	G37964	.	66.0	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	D	H	H	D	D	H	H	D	H	H	H	D
TA35	.	G38826	AF010540	68.9	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	H	H	D	H	H	H	D
TA114	.	G38891	AF010519	68.9	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	H	H	D	H	H	H	D
C4M26	.	G37963	.	71.8	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	D	H	D	H	H	H	D
B5M5	.	G42731	.	71.8	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	D	H	D	H	H	H	D
B5M109	.	G44747	.	71.8	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	D	H	D	H	H	H	D
B5M120	.	G42732	.	71.8	3	4	D	H	D	D	H	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	D	H	D	H	H	H	D
B5M51	.	G42733	.	74.7	2	4	D	H	D	D	H	D	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	D	H	D	H	H	H	D
C4M14	.	G37967	.	.	.	4	D	H	D	D	H	D	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	H	H	D	H	H	H	D
C4M27	.	G37968	.	.	.	4	D	H	D	D	H	D	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	D	D	H	H	D	H	H	H	D
pC4.H42	.	.	.	.	.	4	D	H	.	D	H	D	H	D	D	H	D	H	D	H	H	D	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C4M37	.	G37965	.	77.6	3	4	D	H	D	D	H	D	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	H	D	D	H	D	H	H	H	D
C4M30	.	G37966	.	77.6	3	4	D	H	D	D	H	D	H	D	D	H	D	H	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	H	H	D	D	H	D	H	H	H	D
C4M20	.	G37969	.	80.5	2	4	D	H	D	D	H	D	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	H	H	D	D	H	H	H	D	D	H	D	H	H	H	D

Chromosome 5 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables			Next		Parent		Progeny																																						
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
BM116	.	G42735	.	0	3	5	D	H	D	H	D	D	D	D	D	D	D	H	H	H	D	D	H	D	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
B5M58	.	G42736	.	0	3	5	D	H	D	H	D	D	D	D	D	D	D	H	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
B5M80	.	G42737	.	.	.	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D	H	D	H	D	H	H	D
C5M5	.	G42738	.	.	.	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D	H	D	H	D	H	H	D
B7M96	.	G42739	.	.	.	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D	H	D	H	D	H	H	D
C5M29	.	G42740	.	5.7	3	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
MESA	.	.	.	.	.	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
FIRA	.	.	.	.	.	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
B5M96	.	G42741	.	5.7	3	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
C3M41	.	G42742	.	5.7	3	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
C5M14	.	G42743	.	5.7	3	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
C5M15	.	G42744	.	5.7	3	5	D	H	D	H	D	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	D	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
TBP	.	G37816	L06060	11.4	2	5	D	H	D	D	D	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	H	D	H	H	H	H	D
B5M145	.	G42745	.	20.0	3	5	D	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C5M2	.	G42746	.	20.0	3	5	D	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
B8M7	.	G42747	.	20.0	3	5	D	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
TA42	.	G38832	AF010543	20.0	3	5	D	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
POLY1	.	G37775	L11172	22.9	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C5M10	.	G42748	.	22.9	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
TA51	.	G38834	AF010551	22.9	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	D	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C4M72	.	G37938	.	25.8	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C5M8	.	G42749	.	25.8	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C5M7	.	G42750	.	25.8	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C4M77	.	G42751	.	25.8	3	5	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
B5M56	.	G42752	.	31.5	3	5	D	H	D	H	H	D	D	D	H	H	H	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
B7M2	.	G42753	.	31.5	3	5	D	H	D	H	H	D	D	D	H	H	H	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
B5M3	.	G42754	.	31.5	3	5	D	H	D	H	H	D	D	D	H	H	H	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C5M13	.	G42755	.	31.5	3	5	D	H	D	H	H	D	D	D	H	H	H	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	H	H	H	H	D
C5M9	.	G42756	.	42.9	3	5	D	H	D	H	H	D	D	D	H	H	H	D	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D	D	D	H	H	H	D	D
C5M21	.	G42757	.	42.9	3	5	D	H	D	H	H	D	D	D	H	H	H	D	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D	D	D	H	H	H	D	D
C5M12	.	G42758	.	45.8	3	5	D	H	D	H	H	D	D	D	H	H	H	D	H	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	D	D	D	D	H	H	H	D	D
B9M35	.	G42759	.	48.7	3	5	D	H	D	H	H	D	D	D	H	H	H	D	D	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	D	D	D	D	H	H	H	D	D
C5M3	.	G42760	.	48.7	3	5	D	H	D	H	H	D	D	D	H	H	H	D	D	H	D	D	H	D	H	H	H	D	H	H	D	H	H	D	D	D	D	D	H	H	H	D	D
HMGLP	.	G37819	M86518	54.4	3	5	D	H	D	H	H	D	D	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	D	D	D	D	D	H	H	D	D	D
B5M132	.	G42761	.	57.3	3	5	D	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	D	D	D	D	D	H	H	D	D	D
B5M81	.	G42762	.	60.2	3	5	D	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
B5M106	.	G42763	.	60.2	3	5	D	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D

B5M86	.	G42764	.	60.2	3	5	D	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
B8M1	.	G42765	.	60.2	3	5	D	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
SAH	.	G42766	U07365	60.2	3	5	D	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
B5M130	.	G42767	.	65.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
C5M4	.	G42768	.	65.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
MDR1	.	G42769	M29154	65.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
B7M114	.	G42770	.	68.8	3	5	D	H	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D	H	H	H	H	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
C5M28	.	G42771	.	68.8	3	5	D	H	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D	H	H	H	H	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D
C13M44	.	G42772	.	77.4	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	D	H	H	D	D	D	D	D	H	H	D	D	D
B5M16	.	G42773	.	83.1	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	D	H	D	H	D	H	D	D	H	H	D	D	D
B5M143	.	G42774	.	83.1	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	D	H	D	D	D	H	D	D	H	H	D	D	D
TA44	.	G38835	AF010545	86.0	2	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	D	H	D	D	D	H	D	D	D	H	D	D	D
C5M19	.	G42775	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
C5M23	.	G42776	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
C5M25	.	G42777	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
C5M24	.	G42778	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
B5M139	.	G42779	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
B5M83	.	G42780	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
TA81	.	G38836	AF010510	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
Pf2802	.	G37818	T02802	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
B5M76	.	G42781	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
B7M66	.	G42782	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
C5M6	.	G42783	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
B5M94	.	G42784	.	88.9	3	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	D	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D
TA115	.	G38837	AF010511	91.8	2	5	D	H	D	H	H	H	H	D	H	H	H	D	H	H	D	H	H	H	H	H	H	H	H	H	H	H	D	D	D	H	D	D	D	H	D	D	D

Chromosome 6 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables		Next			Parent		Progeny																																					
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
B5M123	.	G42785	.	0	1	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	H	H	D	H	D	H
B5M105	.	G42727	.	0	1	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	H	D	H	H	D	H
B5M66	.	G42786	.	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B5M24	.	G42787	.	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B5M53	.	G42788	.	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B7M83	.	G42789	.	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
TA24	ta24	G38839	AF010535	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
C6/9M16	.	G42790	.	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B5M63	.	G42791	.	2.9	3	6	D	H	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B5M36	.	G42792	.	11.5	2	6	D	H	D	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	D	D	H	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	D
C6/9M9	.	G42793	.	14.4	2	6	D	H	D	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	D
TA54	.	G38841	AF010553	14.4	2	6	D	H	D	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	D
B5M144	.	G42794	.	14.4	2	6	D	H	D	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	D
B5M19	.	G42795	.	14.4	2	6	D	H	D	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	D
UIDG	.	G37823	L12043	17.3	3	6	D	H	D	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B5M102	.	G42796	.	20.2	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
B5M14	.	G42797	.	20.2	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
TA1	.	G38811	AF010507	20.2	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	D	H	D	H
p7BP9	.	.	.	20.2	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LT700-29	.	.	.	20.2	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
B5M4	.	G42798	.	23.1	3	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	D	D	H	D	H	D	H
B5M74	.	G42799	.	31.7	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	H	H	H
pSc11.63	.	.	.	.	.	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	D	H	D	D	D	D	D	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
B5M113	.	G42801	.	31.7	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	H	H	H
BM75	.	G42802	.	31.7	1	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	D	H	H	D	H	H	H
TA109	.	G38842	AF010508	34.6	3	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	H	H	D	H	H	H
B5M25	.	G42800	.	34.6	3	6	D	H	D	H	H	D	D	H	D	D	D	H	D	D	D	H	D	D	D	D	D	D	H	H	D	H	H	D	D	H	H	H	H	D	H	H	H

Pf12	.	G37822	M28889	51.7	3	6	D	H	D	D	H	D	H	H	D	D	D	H	D	D	D	H	D	D	H	D	D	D	H	H	D	H	H	D	D	D	D	H	H	D	H	H	D
C6/9M17	.	G42803	.	54.6	2	6	D	H	D	D	H	D	H	H	D	D	D	H	D	D	D	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	D	H	H	D	H	H	D
C6/9M8	.	G42804	.	54.6	2	6	D	H	D	D	H	D	H	H	D	D	D	H	D	D	D	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	D	H	H	D	H	H	D
C13M48	.	G42805	.	54.6	2	6	D	H	D	D	H	D	H	H	D	D	D	H	D	D	D	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	D	H	H	D	H	H	D
B5M88	.	G42806	.	66.0	3	6	D	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	H	D	H	D	H	D	D
TA87	.	G38838	AF010571	71.1	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	H	D	H	D	H	D	H
C6/9M12	.	G42807	.	71.1	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	H	D	H	D	H	D	H
B5M122	.	G42808	.	71.1	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	H	D	H	D	H	D	H
B5M13	.	G42809	.	74.6	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D	H	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
B5M1	.	G42810	.	80.3	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	D	H	H	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
BM6	.	G42811	.	80.3	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	D	H	H	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
B5M30	.	G42812	.	80.3	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	D	H	H	D	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
B5M142	.	G42813	.	83.2	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
TA67	.	G38892	AF010560	83.2	3	6	D	H	H	D	H	D	H	H	D	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
BM70	.	G42814	.	86.1	3	6	D	H	H	D	H	D	D	H	D	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
BM55	.	G42815	.	86.1	3	6	D	H	H	D	H	D	D	H	D	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
BM38	.	G42816	.	91.8	3	6	D	H	H	D	H	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
ARA	.	G37821	X17483	91.8	3	6	D	H	H	D	H	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	D	H
ARA4	.	G37820	X17487	94.7	3	6	D	H	H	D	H	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	H	H
B5M8	.	G42817	.	97.6	3	6	D	H	H	H	H	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	H	H
BM103	.	G42818	.	100.5	3	6	D	H	H	H	D	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	D	H	D	D	D	H	H	H
B5M110	.	G42819	.	103.4	2	6	D	H	H	H	D	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	D	H	D	H	H	D	D	D	H	D	D	D	H	H	H
B5M26	.	G42820	.	106.3	3	6	D	H	H	H	D	D	D	D	H	D	D	H	D	D	D	H	H	H	D	D	D	D	D	D	D	H	H	D	D	D	H	D	D	D	H	H	H

Chromosome 7 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables			Next		Parent		Progeny																																				
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
Pf2579	p2579	G37787	T02579	0	2	7	D	H	H	H	D	H	H	H	H	D	D	D	D	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
C6/9M14	.	G44701	.	0	3	7	D	H	H	H	D	H	H	H	H	D	D	D	D	D	D	H	D	H	D	H	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
pB300.13	.	.	.	0	3	7	D	H	H	H	D	H	H	H	H	D	D	D	D	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
pS590.20	.	.	.	0	3	7	D	H	H	H	D	H	H	H	H	D	D	D	D	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
B5M100	.	G44400	.	0	3	7	D	H	H	H	D	H	H	H	H	D	D	D	D	D	D	H	D	H	D	H	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
B5M141	.	G44401	.	2.9	2	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	H	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
pS590.17	.	.	.	.	.	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BM25	.	G44402	.	5.8	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	D	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
B5M2	.	G44403	.	5.8	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	D	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
B5M12	.	G44404	.	5.8	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	D	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
LT103	.	G38852	AF015468	5.8	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	D	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
BM2	.	G44405	.	5.8	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	D	D	H	H	H	D	H	H	D	D	H	H	H	H	H	D	D	D
PE14D	.	G38851	AF015462	11.5	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE87	.	G38850	AF015471	14.4	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M129	.	G44407	.	17.3	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
HSP86	.	G37828	L34027	17.3	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M77	.	G44408	.	17.3	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M97	.	G44406	.	17.3	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
P4	.	G38833	AF030694	17.3	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
1H6	p1h6	G37786	AF030694	17.3	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
3E7	p3e7	G37785	AF030694	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
2E10	p2e10	G37784	AF030694	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M47	.	G44409	.	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
9B12	.	G37876	.	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE12A	.	G37783	AF030694	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
pS590.7	.	G37782	AF030694	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
2E1	p2e1	G37827	AF030694	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
2H4	p2h4	G37781	AF030694	20.2	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	D	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
7A11	p7a11	G38831	AF033378	23.1	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D

B5M72	.	G44410	.	23.1	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE63A	.	G38829	AF015470	23.1	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M32	.	G44411	.	23.1	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
3C11	p3c11	G38848	AF015465	23.1	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE14E	.	G38847	AF015463	23.1	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M92	.	G44412	.	26.0	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE14F	.	G38846	AF015464	26.0	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B5M103	.	G44413	.	26.0	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
B7M43	.	G44414	.	26.0	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE14C	.	G38845	AF015461	26.0	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
PE45B	.	G38844	AF015466	26.0	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
pBP25c	.	.	.	.	.	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
pB20.3c	.	.	.	.	.	7	D	H	H	H	H	H	H	H	H	D	D	D	D	D	D	D	D	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
B7M82	.	G44415	.	28.9	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	H	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
pH270.2	.	.	.	28.9	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	H	D	D	D	-	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
B5M9	.	G44416	.	28.9	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	H	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
pS90.30	.	G38843	AF015472	28.9	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	H	D	D	D	D	H	H	H	D	H	H	D	H	H	D	D	D	H	H	H	H	D	D	D
pH270.5	.	.	.	28.9	3	7	D	H	H	H	H	H	H	H	H	D	D	D	D	H	D	D	D	-	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
C13M30	.	G44421	.	40.3	1	7	D	H	H	H	H	H	H	H	H	D	D	D	D	H	D	H	H	D	H	H	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	D	D
B7M81	.	G44417	.	43.2	3	7	D	H	H	H	H	H	D	H	H	D	D	D	D	H	D	H	H	D	H	H	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	D	D
BM101	.	G44418	.	43.2	3	7	D	H	H	H	H	H	D	H	H	D	D	D	D	H	D	H	H	D	H	H	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	D	D
B5M38	.	G44419	.	43.2	3	7	D	H	H	H	H	H	D	H	H	D	D	D	D	H	D	H	H	D	H	H	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	D	D
BM7	.	G44420	.	43.2	3	7	D	H	H	H	H	H	D	H	H	D	D	D	D	H	D	H	H	D	H	H	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	D	D
BM1	.	G44422	.	57.5	3	7	D	H	D	H	D	H	H	H	D	D	D	D	H	H	D	H	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
Pf2565	.	G37878	T02565	57.5	3	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	H	H	-	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
B5M134	.	G44423	.	57.5	3	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	H	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
B5M6	.	G44424	.	57.5	3	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	H	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
pSL2	.	.	.	57.5	3	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	H	H	-	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
B5M104	.	G44425	.	63.2	2	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	D	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
B5M33	.	G44426	.	63.2	2	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	D	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
BM26	.	G44427	.	63.2	2	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	D	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
BM51	.	G44428	.	66.1	2	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	D	H	D	D	H	H	D	H	H	H	H	D	D	D	D	H	H	H	H	H	D	D
pS500.25	.	.	.	.	.	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	D	H	-	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
pS500.7	.	.	.	.	.	7	D	H	D	H	H	H	H	H	D	D	D	D	D	H	D	D	H	-	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
BM99	.	G44429	.	80.4	2	7	D	H	D	H	H	H	H	H	D	D	D	H	D	H	H	D	H	H	D	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	H
EBP	.	G37780	M93397	80.4	3	7	D	H	D	H	H	H	H	H	D	D	D	H	D	H	H	D	H	H	D	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	H
Pf18150	p18150	G37824	T18150	80.4	2	7	D	H	D	H	H	H	H	H	D	D	D	H	D	H	H	D	H	H	D	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	H

Chromosome 8 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables				Next	Parent		Progeny																																					
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
HRPII	hrp2	G37832	X69922	0	3	8	D	H	D	H	H	D	D	D	H	H	D	D	H	H	H	H	D	D	H	H	H	D	D	H	D	H	H	D	D	H	D	D	D	H	D	H	D
BM5	.	G44430	.	2.9	2	8	D	H	D	H	H	D	D	D	H	H	H	D	H	H	H	H	D	D	H	H	H	D	D	H	D	H	H	D	D	H	D	D	D	H	D	H	D
B5M140	.	G44431	.	2.9	2	8	D	H	D	H	H	D	D	D	H	H	H	D	H	H	H	H	D	D	D	H	H	D	D	H	D	H	H	D	D	H	D	D	D	H	D	H	D
B7M85	.	G44432	.	5.8	3	8	D	H	D	H	H	D	D	D	H	H	H	D	H	H	H	H	D	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	D	H	D	H	D
C6/9M26	.	G44433	.	5.8	3	8	D	H	D	H	H	D	D	D	H	H	H	D	H	H	H	H	D	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	D	H	D	H	D
TA127	.	G38815	AF010526	14.4	3	8	D	H	D	H	H	D	H	D	H	H	H	H	H	H	H	H	D	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	D	H	D	H	D
C12M93	.	G44434	.	17.3	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	D	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	D	H	D	H	D
TA17	.	G38854	AF010531	20.2	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	H	H	H	D	H	D	H	D
BM8	.	G44435	.	25.9	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	H	H	D	H	D
BM45	.	G44436	.	25.9	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	H	H	D	H	D
pMBB2	.	.	.	.	.	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
BM87	.	G44437	.	25.9	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	H	H	D	H	H	D	H	D
BM13	.	G44438	.	34.5	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	H	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D
BM9	.	G44439	.	34.5	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	H	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D
ARA6	.	G37833	X17489	34.5	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	H	D	H	D	H	H	H	D	H	H	D	H	H	D	H	D

BM17	.	G44440	.	37.4	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	H	D	H	D	H	H	H	D	H	H	D	H	H	D	H	H	D	H	H
BM16	.	G44441	.	40.3	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D	H	H	H	H	H	H	.	H	H	H	D	H	H	D	H	H	D	H	H	D	H	H
C6/9M64	.	G44442	.	48.9	3	8	D	H	D	D	H	H	H	D	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	H	D	H	H	D	H	H	D	H	D
B7M118	.	G44443	.	48.9	3	8	D	H	D	D	H	H	H	D	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	H	D	H	H	D	H	H	D	H	D
C6/9M15	.	G44444	.	48.9	3	8	D	H	D	D	H	H	H	D	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	H	D	H	H	D	H	H	D	H	D
TA95	.	G38814	AF010576	57.5	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D	H	D	H	H	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	D
BM83	.	G44445	.	57.5	3	8	D	H	D	D	H	H	H	D	H	H	H	H	H	H	H	H	H	D*	H	D*	H	H	H	H	D	H	H	H	H	H	H	D	H	H	H	H	H	D
pBP25c	.	.	.	66.1	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.
B7M31	.	G44446	.	66.1	3	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	H	H	H	D	H	D	H	H	H	H	H	H	H	H	H	H	H	D	H	H	H	D	D
B5M82	.	G44447	.	77.5	2	8	D	H	D	D	H	D	H	D	H	H	H	H	H	H	D	H	H	D	H	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	D	D
BM52	.	G44448	.	83.2	3	8	D	H	D	D	D	H	H	D	H	H	H	H	H	H	D	H	H	D	H	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	D	D
GMTG	.	G37831	X62393	83.2	3	8	D	H	D	D	D	H	H	D	H	H	H	H	H	H	D	H	H	D	H	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	D	D
BM62	.	G44449	.	91.8	2	8	D	H	D	D	D	H	H	D	H	H	H	H	H	H	D	H	H	D	D	D	H	H	H	H	H	H	H	H	H	D	D	H	H	H	H	D	D
LW69	.	.	.	98.5	1	8	D	H	D	D	D	H	H	D	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
LS700_16.2	.	.	.	98.5	1	8	D	H	D	D	D	H	H	D	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
pH9.45	.	.	.	105.2	2	8	D	H	D	H	D	H	H	D	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
pMBP15a	.	.	.	105.2	2	8	D	H	D	H	D	H	H	D	H	H	H	H	H	H	H	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.

Chromosome 9 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables			Next		Parent		Progeny																																					
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
C9m8	.	G44450	.	0	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M37	.	G44451	.	0	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M43	.	G44452	.	0	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M9	.	G44453	.	0	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M4	.	G44454	.	0	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	H	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M7	.	G44455	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M26	.	G44456	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M30	.	G44457	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
TA39	.	G38810	AF010509	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M44	.	G44458	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M28	.	G44459	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M5	.	G44460	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M42	.	G44461	.	2.9	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	D	H	H	D	D	D
C9M41	.	G44462	.	5.8	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	D	H	H	D	D	D
C9M51	.	G44463	.	5.8	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	D	H	H	D	D	D
C9M52	.	G44464	.	8.7	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M27	.	G44465	.	8.7	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M29	.	G44466	.	8.7	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M24	.	G44468	.	8.7	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M54	.	G44467	.	8.7	2	9	D	H	D	H	H	D	H	H	H	D	H	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M33	.	G44469	.	11.6	2	9	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M63	.	G44470	.	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M60	.	G44471	.	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M12	.	G44472	.	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C13M11	.	G44473	.	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
TA28	.	G38840	AF010513	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M69	.	G44474	.	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M11	.	G44475	.	11.6	2	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
C9M64	.	G44476	.	11.6	2	9	D	H	D	H	H	H	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	D	H	H	H	D	D	D
BM18	.	G44477	.	14.5	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	H	H	H	D	D	D
C9M56	.	G44478	.	14.5	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	H	H	H	H	D	H	H	H	H	H	D	D	D
C9M57	.	G44479	.	17.4	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D
C9M66	.	G44480	.	17.4	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D
BM32	.	G44481	.	17.4	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D
C9M61	.	G44482	.	17.4	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D

GP195	.	G37788	X02919	17.4	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D
MMSA	.	G37834	M19143	17.4	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D
BM44	.	G44483	.	20.3	3	9	D	H	D	H	H	D	H	H	H	D	D	H	D	H	H	H	D	D	D	H	D	H	D	D	H	H	H	H	D	H	H	H	H	H	D	D	D
BM27	.	G44484	.	26.0	3	9	D	H	D	H	H	D	H	H	D	D	D	H	D	H	H	H	D	D	D	H	D	H	D	D	H	H	H_	H	D	D	H	H	H	H	D	D	D
C9M108	.	G44485	.	34.6	3	9	D	H	D	H	H	D	H	H	D	D	D	H	D	H	H	D	D	D	D	H	D	H	D	D	D	H	H_	H	D	H	H	H	H	H	D	D	D
C6/9M22	.	G44486	.	40.3	3	9	D	H	D	H	H	D	H	H	D	D	D	H	D	H	H	D	D	D	D	H	D	H	D	D	D	H	H_	H	D	D	H	H	H	H	D	H	D
B7M98	.	G44487	.	40.3	3	9	D	H	D	H	H	D	H	H	D	D	D	H	D	H	H	D	D	D	D	H	D	H	D	D	D	H	H_	H	D	D	H	H	H	H	D	H	D
C6/9M27	.	G44488	.	43.2	3	9	D	H	D	H	H	D	H	H	D	D	D	H	D	H	H	D	D	D	D	H	D	H	D	D	D	H	H_	H	D	D	H	H	D	H	D	H	D
C9M48	.	G44489	.	48.9	2	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	D	D	D	H	H	H	D	D	D	H	H	D	D	D	H	H	D	H	D	H	D
C6/9M46	.	G44490	.	48.9	2	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	D	D	D	H	D	H	D	D	D	H	H_	D	D	D	H	H	D	H	D	H	D
BM67	.	G44491	.	48.9	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	D	D	D	H	D	H	D	D	D	H	H_	D	D	D	H	H	D	H	D	H	D
C9M46	.	G44492	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
C9M49	.	G44493	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
C6/9M19	.	G44494	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
C9M17	.	G44495	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
BM54	.	G44496	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
C9M50	.	G44497	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
C9M18	.	G44498	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
C9M15	.	G44499	.	54.6	3	9	D	H	D	H	H	D	H	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H_	D	D	H	H	H	D	H	D	H	D
wh_hrp1	.	.	.	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
wh_hsp1	.	G37836	X69121	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
C9M103	.	G44500	.	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
C9M106	.	G44501	.	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
B5M68	.	G44502	.	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
TA61	.	G38855	AF010557	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
C4M42	.	G37971	.	57.5	3	9	D	H	D	H	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
C9M20	.	G44503	.	60.4	3	9	D	H	D	H	D	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
TA53	.	G38856	AF010552	60.4	3	9	D	H	D	H	D	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
C6/9M20	.	G44504	.	66.1	2	9	D	H	D	H	D	D	D	H	D	H	D	H	H	D	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
B7M102	.	G44505	.	69.0	3	9	D	H	D	H	D	D	D	H	D	H	D	D	H	D	H	D	H	D	D	H	D	H	D	D	D	H	H	D	D	H	H	H	D	H	D	H	D
B7M30	.	G44506	.	91.9	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	H	D
C6/9M55	.	G44507	.	91.9	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	H	D
C9M100	.	G44508	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C9M99	.	G44509	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C14M117	.	G44510	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C9M97	.	G44511	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C9M94	.	G44512	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C6/9M41-1	.	G44513	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C6/9M18	.	G44514	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
C6/9M23	.	G44515	.	94.8	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
BM98	.	G44516	.	97.7	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	D	H	D	D	D	D	D
C9M98	.	G44517	.	100.6	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	D	D	D	D	D	D	D
C9M110	.	G44518	.	103.5	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
RHO3	.	G37835	M65059	103.5	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
B7M27	.	G44519	.	103.5	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
C9M109	.	G44520	.	103.5	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
C9M105	.	G44521	.	103.5	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
ATGF1	.	G37837	X15979	103.5	2	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
B7M57	.	G44522	.	106.4	3	9	D	H	D	H	D	D	D	H	D	D	D	D	H	D	D	H	H	D	D	D	D	D	D	D	D	D	D	D	H	D	D	D	D	D	D	D	D

Chromosome 10 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables			Next		Parent		Progeny																																				
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
pMBP3	.	.	.	0	3	10	D	H	H	D	H	H	D	D	D	D	H	H	H	D	D	D	H	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.
C4M3	.	G44523	.	0	3	10	D	H	H	D	H	H	D	D	D	D	H	H	H	D	D	D	H	D	D	H	H	H	H	H	H	H	D	H	D	D	D	D	H	H	D	H	D
B7M101	.	G44524	.	8.6	3	10	D	H	H	D	H	H	D	D	D	D	H	H	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	D	H	D	D	H	H	D	H	D

B7M48	.	G44525	.	11.5	3	10	D	H	H	D	H	H	D	D	D	D	H	H	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	H	D	H	D
B7M115	.	G44529	.	17.2	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	D	H	H	D	H	H	H	D	D	H	H	D	H	D
B7M45	.	G44526	.	17.2	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	H	D	H	D
B7M45-2	.	G44527	.	17.2	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	H	D	H	D
ARA5	.	G37811	X17488	17.2	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	H	D	H	D
B7M28	.	G44531	.	17.2	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	H	D	H	D
B7M24	.	G44528	.	17.2	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	H	D	H	D
B7M79	.	G44532	.	20.1	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M78	.	G44533	.	20.1	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M69	.	G44534	.	20.1	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	H	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
C9M35	.	G44530	.	23.0	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	D	D	D	H	D	H	H	H	H	.	.	.	.	.	.	.	.	.	.	.
HPRT	.	G37814	M88110	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
ACT1	.	G37815	M22719	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	D	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
LW40	.	.	.	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
QF122	.	G37813	M18825	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
C3M65	.	G44535	.	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
BM23	.	G44536	.	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
TA111	.	G38830	AF010518	31.6	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M72	.	G44537	.	34.5	3	10	D	H	H	D	H	H	D	D	H	D	H	D	H	H	D	H	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M104	.	G44538	.	.	.	10	D	H	H	H	H	D	D	D	H	D	H	D	H	H	D	H	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
TA77	.	G38816	AF010565	.	.	10	D	H	H	H	H	D	D	D	H	D	H	D	H	H	D	H	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
POLYD	.	G37838	X62423	40.2	3	10	D	H	H	D	H	D	D	D	H	D	H	D	H	D	D	H	H	H	D	H	D	D	H	D	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M77	.	G44539	.	40.2	3	10	D	H	H	D	H	D	D	D	H	D	H	D	H	D	D	H	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M6	.	G44540	.	45.9	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M46	.	G44541	.	45.9	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
TA50	.	G38859	AF010550	45.9	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	D	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	D	D	H	D	D	H	D
B7M58	.	G44542	.	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	H	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
B7M23	.	G44543	.	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
TA2	.	G38860	AF010532	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
B7M14	.	G44544	.	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
TA91	.	G38861	AF010573	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
TA126	.	G38817	AF010525	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
B7M100	.	G44545	.	51.6	3	10	D	H	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	H	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	H	D
Pfs25	.	.	.	65.9	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	H	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
B7M92	.	G44546	.	65.9	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	D	H	D	D	H	D	D	H	H	H	H	D	H	H	H	H	D	H	D	D	D	D
B7M62	.	G44547	.	71.6	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	H	H	D	D	H	D	D	H	H	H	H	D	H	H	H	H	D	D	D	D	D	D
pSL4	.	.	.	71.6	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	H	H	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
C4M1	.	G37972	.	71.6	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	H	H	D	D	H	D	D	H	H	H	H	D	H	H	H	H	D	D	D	D	D	D
B7M42	.	G44548	.	71.6	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	H	H	D	D	H	D	D	H	H	H	H	D	H	H	H	H	D	D	D	D	D	D
TA40	.	G38858	AF010542	74.5	3	10	D	H	H	H	H	H	D	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	H	H	D	H	H	H	H	D	D	D	D	D	D
B7M19	.	G44549	.	80.2	3	10	D	H	H	H	H	H	D	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	H	H	D	D	H	H	H	H	D	D	D	D	D
C4M43	.	G37973	.	83.1	3	10	D	H	H	H	H	H	D	D	D	D	D	D	H	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	H	H	D	D	D	D	D
B7M113	.	G44550	.	83.1	3	10	D	H	H	H	H	H	D	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	H	H	D	D	D	D	D
LSA	.	.	.	.	.	10	D	H	-	H	H	H	D	D	D	D	D	H	H	D	H	H	H	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
SAG	.	G37789	M10129	.	.	10	D	H	-	H	H	H	D	D	D	D	D	H	H	D	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
B7M18	.	G44551	.	83.1	3	10	D	H	H	H	H	H	D	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	H	H	D	D	D	D	D
TA80	.	G38857	AF010568	86.0	3	10	D	H	H	H	H	H	D	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	D	D
pSL6	.	.	.	.	.	10	D	H	H	H	H	H	D	D	D	D	D	H	H	D	H	H	H	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
B7M93	.	G44552	.	88.9	3	10	D	H	H	H	H	H	H	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	H	H	H	D	H	H	D	H	D	D	D	D	D
p11_1	11-1	G37842	X07453	94.6	3	10	D	H	H	H*	H	H	H*	D	D	D	D	H	H	D	H	H	H	D	D	H	D	D	H	H	D	H	H	D	D	H	D	H	D	D	D	D	D

Chromosome 11 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables		Next			Parent		Progeny																																				
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
S11_1f	.	.	.	0	2	11	D	H	-	D	D	H	H	D	.	H	H	H	H	H	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
S370.7_1	.	.	.	.	.	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.

S370.19	.	.	.	.	.	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.
B5M127	.	G44553	.	23.0	2	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	H	D	H	D	D	H	D	H	D	H	H	D	D	D	D	D	D	D	H	D	H	H
XB8M6	.	G44554	.	25.9	3	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	D	H	H
ARA2	.	G37848	X17484	28.8	2	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	H	H
XB8M30	.	G44555	.	28.8	2	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	H	D	H	D	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	H	H
TA92	.	G38862	AF010574	34.5	3	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	D	D	H	D	D	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	H
XB8M29	.	G44556	.	34.5	3	11	D	H	H	D	H	H	D	D	H	H	D	H	H	H	D	D	D	H	D	D	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	H
TA119	.	G38863	AF010522	37.4	3	11	D	H	H	D	H	H	D	H	H	H	D	H	H	H	D	D	D	H	D	D	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	H
RAN1	.	G37845	X73954	43.1	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	D	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	H
TA31	.	G38864	AF010538	43.1	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	D	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	H
XB8M17	.	G44557	.	48.8	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	D
C12M43	.	G44558	.	48.8	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	H	H	H	D	D	D	D	D	D	D	H	H	H	D
XB8M43	.	G44559	.	51.7	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	H	D
p5H7	.	.	.	.	.	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
Exp_1	exp-1	G37850	X05074	51.7	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	H	D
p7_7	.	.	.	.	.	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
pC11.52	.	.	.	.	.	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
B9M31	.	G44560	.	51.7	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	H	D
Pf9735	9735	G37791	T09735	51.7	3	11	D	H	H	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	H	D
XB8M8	.	G44561	.	57.4	3	11	D	H	D	D	H	H	H	H	H	D	D	H	H	H	D	D	D	H	D	H	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	H	D
AG15	.	G37846	Z28975	60.3	3	11	D	H	D	D	H	H	H	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	H	D
Pf15KVA	15kva	G37847	M94732	60.3	3	11	D	H	D	D	H	H	H	H	H	D	D	H	H	D	D	D	D	H	D	H	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	H	D
TA76	.	G38866	AF010564	71.7	2	11	D	H	D	D	H	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	D
TA108	.	G38865	AF010517	71.7	2	11	D	H	D	D	H	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	D
p7_14	.	.	.	71.7	2	11	D	H	D	D	H	H	D	H	H	D	D	H	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
TA82	.	G38867	AF010569	71.7	2	11	D	H	D	D	H	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	D
XB8M18	.	G44562	.	74.6	3	11	D	H	D	D	D	H	D	H	H	D	D	H	H	D	D	D	D	H	D	H	D	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	D
B7M99	.	G44563	.	83.2	3	11	D	H	D	D	D	H	D	H	D	D	D	H	H	D	D	D	D	H	D	H	D	D	D	D	D	H	D	D	D	H	D	H	D	D	D	D	D
p7_4	.	.	.	.	.	11	D	H	D	D	D	H	H	H	D	D	D	H	D	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
XB8M25	.	G44564	.	94.6	2	11	D	H	D	D	D	H	H	H	D	D	D	H	D	D	D	H	D	H	D	H	D	D	D	D	D	H	D	D	D	D	D	D	D	H	D	D	D
XB8M2	.	G44565	.	94.6	2	11	D	H	D	D	D	H	H	H	D	D	D	H	D	D	D	H	D	H	D	H	D	D	D	D	D	H	D	D	D	D	D	H	D	D	D	H	D
B7M38	.	G44566	.	100.3	3	11	D	H	D	D	D	H	H	H	D	D	D	H	D	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	D	H	D	D	H	H	D
TA125	.	G38868	AF010524	103.2	2	11	D	H	D	D	D	H	H	H	D	D	D	H	D	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	H	D	D	H	D	D	H	H	D
AMA1	.	.	.	.	.	11	D	H	-	D	D	H	H	H	D	D	D	H	D	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
B9M26	.	G44567	.	108.9	2	11	D	H	D	D	D	H	H	H	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	H	H	D
XB8M9	.	G44568	.	108.9	2	11	D	H	D	D	D	H	H	H	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	H	H	D
p1B9	.	.	.	108.9	2	11	D	H	D	D	D	H	H	H	D	D	D	H	H	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
C12M110	.	G44569	.	108.9	2	11	D	H	D	D	D	H	H	H	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	H	D	H	D	D	H	D	D	H	H	D
XB8M44	.	G44570	.	128.9	2	11	D	H	D	D	D	H	H	H	D	D	H	H	H	H	D	H	H	H	D	H	D	H	D	H	D	H	H	D	D	D	D	H	D	D	H	H	D
TA26	.	G38889	AF010536	128.9	3	11	D	H	D	D	D	H	H	H	D	D	H	H	H	H	D	H	H	H	D	H	D	H	D	H	D	H	H	D	D	D	D	H	D	D	H	H	D
B5M124	.	G44571	.	143.2	3	11	D	H	D	D	D	H	H	H	H	D	H	H	H	H	D	H	H	H	D	H	D	H	D	H	D	H	H	H	D	D	D	D	D	H	D	H	D
TA117	.	G38869	AF010521	151.8	3	11	D	H	D	D	D	H	H	H	H	D	H	H	H	H	D	H	H	D	D	H	D	D	D	H	D	H	H	H	D	H	D	D	D	H	D	H	D
XB8M23	.	G44572	.	151.8	3	11	D	H	D	D	D	H	H	H	H	D	H	H	H	H	D	H	H	D	D	H	D	D	D	H	D	H	H	H	D	H	D	D	D	H	D	H	D
RESA2	.	G37849	M91672	157.5	3	11	D	H	D	D	D	H	H	H	H	D	H	H	H	H	D	H	H	D	D	H	H	D	D	H	D	H	H	H	D	H	H	D	D	H	D	H	D
pC11.1	.	.	.	.	.	11	D	H	D	D	D	H	H	H	H	D	H	H	H	H	D	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
pMBA9	.	.	.	.	.	11	D	H	D	D	D	H	H	H	H	D	H	H	H	H	D	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.
C12M29	.	G38800	.	157.5	3	11	D	H	D	D	D	H	H*	H	H	D	H*	H	H*	H*	D	H	H*	D	D	H	H	D	D	H	D	H	H	H*	D	H	H	D	D	H*	D	H	D

Chromosome 12 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous | Legend for Tables | Next

Marker	Synonym	STS	GenBank	position	framework	chromosome	Parent DD2	Parent HB3	Progeny B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	Ch3-116	Ch3-61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
Pfg377	g377	G37851	L04161	0	2	12	D	H	H	D	D	D	D	H	D	H	D	H	D	D	D	D	D	D	H	D	H	D	D	D	D	D	H	H	D	D	D	H	D	D	D	H	H
C12M67	.	G38765	.	0	2	12	D	H	H	D	D	D	D	H	D	H	D	H	D	D	D	D	D	D	H	D	H	D	D	D	D	D	H	H	D	D	D	H	D	D	D	H	H
TA48	.	G38870	AF010548	2.9	3	12	D	H	H	D	D	D	D	H	D	H	D	H	D	D	D	D	D	D	H	D	H	D	D	D	D	D	H	H	D	D	D	H	H	D	D	H	H
C12M63	.	G38767	.	28.6	3	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	D	D	H	D	D	D	H	H	D	D	H	H

C12M35	.	G38766	.	34.3	1	12	D	H	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
Y336M3	.	G44573	.	34.3	1	12	D	H	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
p7MBB12	.	.	.	.	.	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
var7_EBL94	.	.	.	.	.	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
p7MBB16	.	.	.	.	.	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
Y336M2	.	G44574	.	40.0	3	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
Y336M1	.	G44575	.	40.0	3	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
C12M47	.	G38768	.	40.0	3	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
C13M62	.	G44576	.	42.9	3	12	D	H	D	D	D	D	H	H	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	D	H
C12M96	.	G38769	.	45.8	3	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	D	H
C12M95	.	G38770	.	45.8	3	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	D	H
p4G1	.	.	.	.	.	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
PfPK2	.	G37852	X63648	45.8	3	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	D	H
CARP	carp	G37853	M13021	51.5	3	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	H	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
C12M89	.	G38772	.	51.5	3	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	H	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
C12M55	.	G38773	.	51.5	3	12	D	H	D	D	D	D	H	D	D	D	D	D	H	D	D	D	D	H	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
Pf2689	.	G37854	T02689	54.4	3	12	D	H	D	D	D	D	H	D	H	D	D	D	H	D	D	D	D	H	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
C12M22	.	G38774	.	57.3	2	12	D	H	D	D	D	D	H	D	H	D	D	D	D	D	D	D	D	H	D	H	H	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
Y588M1	.	G44577	.	63.0	3	12	D	H	H	D	D	D	H	D	H	D	D	D	D	D	D	D	D	H	D	H	D	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
C12M62	.	G38775	.	68.7	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
TA102	.	G38890	AF010515	68.7	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	H	D	H	D	D	D	H	H	D	D	H	H
Y588M4	.	G44578	.	71.6	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	H	D	H	D	D	D	H	H	H	D	H	H
Y588M2	.	G44579	.	71.6	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	H	D	H	D	D	D	H	H	H	D	H	H
C14M19	.	G41088	.	74.5	3	12	D	H	H	D	D	D	D	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	H	H	H	D	H	H
ARA3	.	G37855	X17486	80.2	2	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	D	H	H	D	D	H	D	D	H	D	D	D	H	H	H	D	H	H
CPN60	cpn	G37856	X75420	80.2	2	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	D	H	H	D	D	H	D	D	H	D	D	D	H	H	H	D	H	H
ABRA	.	G37857	J03902	85.9	2	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	H	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
B7M26	.	G44580	.	88.8	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
Y293M1	.	G44581	.	88.8	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
Y812M3	.	G44582	.	88.8	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C13M74	.	G44583	.	88.8	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C12M114	.	G38776	.	88.8	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
LW53	.	.	.	.	.	12	D	H	H	D	D	D	H	D	H	D	D	H	D	D	H	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
TA34	.	G38872	AF010539	91.7	3	12	D	H	H	D	D	D	H	D	H	D	D	H	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C12M64	.	G38777	.	94.6	2	12	D	H	H	D	D	D	H	D	D	D	D	H	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C12M97	.	G38778	.	97.5	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C12M115	.	G38779	.	97.5	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C12M56	.	G38780	.	97.5	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
Y812M1	.	G44584	.	97.5	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
C12M45	.	G38781	.	100.4	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	H	D	D	D	D	H	H	D	H	H
Y69M3	.	G44585	.	103.3	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	H	H
Y69M2	.	G44586	.	103.3	3	12	D	H	H	D	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	D	D	D	D	D	H	H	D	H	H
C12M81	.	G38783	.	109.0	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	D	H	H
C12M17	.	G38782	.	.	.	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
pL5.7-26	.	.	.	.	.	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	-	-	-	-	.	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
BM11	.	G44588	.	.	.	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H
C12M108	.	G38784	.	.	.	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H
C12M30	.	G38788	.	.	.	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H
Y1122M3	.	G44587	.	.	.	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	H	D	D	H	D	D	D	D	D	H	D	H	H	D	H	H
BM113	.	G44591	.	117.6	2	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
C12M112	.	G38785	.	117.6	2	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
Y357M8	.	G44590	.	117.6	2	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
Y357M3	.	G44592	.	117.6	2	12	D	H	H	H	D	D	H	D*	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
Y357M2.2	.	G48150	.	117.6	2	12	D	H	H	H	D	D	H	D*	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
Y357M13	.	G44589	.	117.6	2	12	D	H	H	H	D	D	H	D	D	D	D	D	H	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
Y357M14	.	G44593	.	117.6	2	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H

TA78	.	G38818	AF010566	117.6	2	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	D	D	D	D	D	D	H	H	D	D	H
C12M60	.	G38787	.	120.5	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
Y357M15	.	G38786	.	120.5	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
C12M61	.	G38789	.	120.5	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
C12M15	.	G44596	.	120.5	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
Y537M1	.	G44594	.	120.5	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
Y357M7	.	G44595	.	120.5	3	12	D	H	H	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
Y357M11	.	G44597	.	123.4	3	12	D	H	D	H	D	D	H	D	D	D	D	D	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
Y357M2	.	G44598	.	126.3	3	12	D	H	D	H	D	D	H	D	D	D	D	H	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
C12M105	.	G38795	.	126.3	3	12	D	H	D	H	D	D	H	D	D	D	D	H	D	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	D	H
C1M48	.	G38793	.	132.0	3	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	H	H
pMBB19	.	.	.	.	.	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
LW17	.	.	.	.	.	12	D	H	-	H	D	D	H	D	D	D	D	H	H	H	H	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
pMBB17	.	.	.	.	.	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
C12M92	.	G38794	.	132.0	3	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	H	D	H	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	H	H
C12M44	.	G38796	.	134.9	3	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	H	D	D	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	H	H
BSA1	.	G37792	M59961	134.9	3	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	H	D	D	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	H	H
TA73	.	G38873	AF010563	137.8	2	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	H	H	D	D	D	D	D	H	H	D	H	D	D	D	D	D	H	H	D	H	H
C12M2	.	G38797	.	140.7	2	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	H	H	D	D	D	D	D	H	H	D	H	D	D	D	D	H	H	H	D	H	H
B7M103	.	G44599	.	143.6	3	12	D	H	D	H	D	D	H	D	D	D	D	H	H	H	H	D	D	H	D	D	D	D	D	H	H	D	H	D	D	D	D	H	H	H	D	H	H
C12M20	.	G38790	.	149.3	3	12	D	H	D	H	D	D	D	D	D	D	D	D	H	H	H	D	D	H	D	D	D	D	D	H	H	D	H	D	D	D	D	H	H	H	D	H	H
C12M6	.	G38791	.	155.0	3	12	D	H	D	H	D	D	D	D	D	D	D	D	H	H	H	D	D	H	D	D	D	D	H	H	D	D	H	D	D	D	D	H	H	H	D	H	H
TA121	.	G38871	AF010523	160.7	3	12	D	H	D	H	D	D	D	D	D	D	D	H	H	H	H	D	D	H	D	H	D	D	H	H	D	D	H	D	D	D	D	H	H	H	D	H	H

Chromosome 13 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables			Next		Parent		Progeny																																				
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	7C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
hrpIII	.	.	U69552	0	2	13	D	H	D	D	D	D	D	D	D	D	D	H	D	D	D	H	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
B7M47	.	G44600	.	6.7	2	13	D	H	D	D	D	D	D	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	H	D	H	D	D	H	H	D	D	D	D	D	D
C14M75	.	G44601	.	9.6	3	13	D	H	D	D	D	D	D	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D
C13M58	.	G44602	.	9.6	3	13	D	H	D	D	D	D	D	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	D	H	D	D	H	H	D	D	D	D	D	D
C3M30	.	G44603	.	15.3	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	D
C14M35	.	G44604	.	15.3	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	D
C13M71	.	G44605	.	15.3	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	D
C13M8	.	G44606	.	15.3	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	D
C14M70	.	G44607	.	15.3	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	D
C14M60	.	G44608	.	15.3	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	D
C13M50	.	G44609	.	18.2	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	H
B7M89	.	G44610	.	18.2	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	H
C14M62	.	G44611	.	18.2	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	H
TA60	.	G38876	AF010556	18.2	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	H
C13M80	.	G44612	.	18.2	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	H
C13M16	.	G44613	.	18.2	3	13	D	H	D	D	D	D	H	D	H	D	D	H	D	D	D	H	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	D	H
C13M99	.	G44614	.	26.8	3	13	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
C13M5	.	G44615	.	26.8	3	13	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
C13M72	.	G44616	.	26.8	3	13	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
C14M72	.	G44617	.	26.8	3	13	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
C14M56	.	G41089	.	26.8	3	13	D	H	D*	D	D	D	H	H	H	D	D	H	D	D	D	D	D*	D	D	D	H	D	H	D	D*	H	H	D*	D	H	H	D	D	D	D	H	H
B5M128	.	G44618	.	29.7	3	13	D	H	D	D	D	D	H	H	H	D	D	H	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
B7M67	.	G44619	.	29.7	3	13	D	H	D	D	D	D	H	H	H	D	D	H	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
pSL5	.	.	.	.	.	13	D	H	D	D	D	D	H	H	H	D	D	H	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
C1M37	.	G44620	.	32.6	1	13	D	H	D	D	D	D	H	H	H	D	D	H	H	D	D	D	D	H	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
MEF_1	mef1	G37829	X60488	32.6	1	13	D	H	D	D	D	D	H	H	H	D	D	H	H	D	D	D	D	H	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
TA64	.	G38878	AF010559	32.6	1	13	D	H	D	D	D	D	H	H	H	D	D	H	H	D	D	D	D	H	D	D	H	D	H	D	D	H	H	D	D	H	H	D	D	D	D	H	H
C14M93	.	G44621	.	38.3	1	13	D	H	D	D	D	D	H	H	H	D	D	D	H	D	D	D	D	H	D	D	H	D	H	D	D	H	H	D	H	H	H	D	D	D	D	H	H
C6/9M57	.	G44622	.	41.2	3	13	D	H	D	D	D	D	H	H	H	D	D	D	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	H	H	H	D	D	D	D	H	H

TA47	.	G38819	AF010547	44.1	3	13	D	H	D	D	D	D	H	H	H	D	H	D	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	H	H	H	D	D	D	D	H	H
C13M43	.	G44623	.	44.1	3	13	D	H	D	D	D	D	H	H	H	D	H	D	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	D	H	H	H	D	D	D	D	H	H
C13M97	.	G44624	.	47.0	3	13	D	H	D	D	D	D	H	H	H	D	H	D	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	H	H	H	H	D	D	D	D	H	H
TA56	.	G38877	AF010554	47.0	3	13	D	H	D	D	D	D	H	H	H	D	H	D	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	H	H	H	H	D	D	D	D	H	H
C13M87	.	G44625	.	52.7	3	13	D	H	D	D	D	D	H	H	H	D	H	H	H	D	D	D	D	D	D	D	H	D	H	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C13M95	.	G44626	.	58.4	3	13	D	H	D	D	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
TA116	.	G38875	AF010520	58.4	3	13	D	H	D	D	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C14M101	.	G44627	.	58.4	3	13	D	H	D	D	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C14M84	.	G44628	.	58.4	3	13	D	H	D	D	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
p7BP27	.	.	.	.	.	13	D	H	D	D	D	H	H	H	H	-	H	H	H	D	D	D	D	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
C13M63	.	G44629	.	64.1	3	13	D	H	D	H	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
Pf2488	p2488	G37774	T02488	64.1	3	13	D	H	D	H	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
B7M9	.	G44630	.	64.1	3	13	D	H	D	H	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C13M86	.	G44631	.	64.1	3	13	D	H	D	H	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
TA49	.	G38874	AF010549	64.1	3	13	D	H	D	H	D	H	H	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C13M17	.	G44632	.	72.7	3	13	D	H	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C13M18	.	G44633	.	72.7	3	13	D	H	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C14M12	.	G41090	.	72.7	3	13	D	H	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C1M53	.	G44634	.	72.7	3	13	D	H	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C13M10	.	G44635	.	72.7	3	13	D	H	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C13M13	.	G44636	.	72.7	3	13	D	H	D	H	D	H	D	H	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
TRAP	.	G37858	X13022	75.6	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C13M36	.	G44637	.	75.6	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	H	H	H
C1M70	.	G44638	.	78.5	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	D	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	D	H	H
C13M27	.	G44639	.	81.4	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	D	H	H
C13M45	.	G44640	.	81.4	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	D	H	H
C13M46	.	G44641	.	81.4	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	H	H	H	D	D	D	D	H	H
C14M74	.	G44642	.	84.3	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	D	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C14M83	.	G44643	.	87.2	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	D	D	D	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	H	H
C14M94	.	G44644	.	92.9	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	D	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M75	.	G44645	.	92.9	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	D	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C1M61	.	G44651	.	95.8	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M40	.	G44649	.	95.8	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M84	.	G44650	.	95.8	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C1M60	.	G44646	.	95.8	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M33	.	G44647	.	95.8	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M59	.	G44648	.	95.8	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	D	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M96	.	G44652	.	98.7	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	H	H	H	H	H	D	D	D	D	H
C13M28	.	G44653	.	98.7	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	H	H	H	H	H	D	D	D	D	H
C14M81	.	G44654	.	98.7	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	H	H	H	H	H	D	D	D	D	H
C1M69	.	G44655	.	101.6	3	13	D	H	D	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	H	H	H	H	H	D	H	D	D	H
C13M15	.	G44656	.	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
C12M49	.	G38798	.	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
C14M66	.	G44657	.	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
POLY3	.	G37859	M73770	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
C13M2	.	G44658	.	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
C13M90	.	G44659	.	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
C14M106	.	G44660	.	107.3	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	D	H	H	D	H	D	D	H	D	H	H	D	H	H	H	H	D	H	D	D	H
pE3	.	.	.	113.0	3	13	D	H	-	H	D	H	D	D	H	D	H	H	H	D	D	H	H	-	-	-	-	-	-	-	-	-	.	.	.	.	.	.	.	.	.	.	.
pC13.E14	.	.	.	113.0	3	13	D	H	-	H	D	H	D	D	H	D	H	H	H	D	D	H	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TA133	.	G38879	AF010528	113.0	3	13	D	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	H	H	D	H	D	D	H	D	H	H	H	H	H	H	H	D	H	D	D	H
C14M73	.	G44661	.	127.3	3	13	D	H	D	H	D	H	D	D	D	D	H	H	D	H	D	H	H	H	H	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	D	H
C14M131	.	G44662	.	127.3	3	13	D	H	D	H	D	H	D	D	D	D	H	H	D	H	D	H	H	H	H	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	D	H
C13M91	.	G44663	.	130.9	3	13	D	H	D	H	D	H	D	D	D	D	H	H	D	H	D	H	H	H	H	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	H	H
C13M70	.	G44664	.	130.9	3	13	D	H	D	H	D	H	D	D	D	D	H	H	D	H	D	H	H	H	H	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	H	H
C14M122	.	G44665	.	130.9	3	13	D	H	D	H	D	H	D	D	D	D	H	H	D	H	D	H	H	H	H	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	H	H

C14M27	.	G44666	.	130.9	3	13	D	H	D	H	D	H	D	D	D	D	H	H	D	H	D	H	H	H	H	D	H	H	D	H	D	H	H	H	H	D	H	H	D	H	D	H	H
C14M126	.	G44667	.	135.9	3	13	D	H	D	H	D	H	D	D	D	D	D	H	D	H	H	H	H	H	H	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	D	H	H
TA14	.	G38885	AF010530	138.8	3	13	D	H	D	H	D	H	D	D	D	D	D	H	D	H	H	H	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	D	H	D	H	H
C13M81	.	G44668	.	144.5	3	13	D	H	D	H	D	H	D	H	D	D	D	H	D	H	H	H	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	H	H	D	H	H
C1M59	.	G44669	.	144.5	3	13	D	H	D	H	D	H	D	H	D	D	D	H	D	H	H	H	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	H	H	D	H	H
C13M32	.	G44670	.	144.5	3	13	D	H	D	H	D	H	D	H	D	D	D	H	D	H	H	H	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	H	H	D	H	H
B8M6	.	G44671	.	150.2	3	13	D	H	D	H	D	H	D	H	D	D	D	D	D	H	H	H	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	H	H	H	H	H
B5M146	.	G44672	.	150.2	3	13	D	H	D	H	D	H	D	H	D	D	D	D	D	H	H	H	H	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	H	H	H	H	H
C13M67	.	G44673	.	155.9	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	H	H	H	H	D	H	D	H	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M12	.	G44674	.	158.8	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	H	D	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C1M67	.	G44675	.	158.8	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	H	D	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M68	.	G44676	.	158.8	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	H	D	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C14M107	.	G44677	.	158.8	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	H	D	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M37	.	G44678	.	158.8	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	H	D	H	H	D	H	D	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M77	.	G44679	.	164.5	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M6	.	G44680	.	164.5	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
VAPA	.	G37860	L08200	164.5	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M22	.	G44681	.	164.5	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M14	.	G44682	.	164.5	3	13	D	H	H	H	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M79	.	G44686	.	170.2	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C1M68	.	G44687	.	170.2	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
TA107	.	G38880	AF010516	170.2	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
Pf18153	.	G37861	T18153	170.2	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C14M45	.	G44688	.	170.2	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C14M43	.	G44690	.	170.2	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	H	H	D	D	H	H	D	H	H	H	H
C13M38	.	G44689	.	173.1	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	D	H	D	D	H	H	D	H	H	H	H
TA46	.	G38820	AF010546	173.1	3	13	D	H	H	D	D	H	D	D	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	D	H	D	H	D	D	H	H	D	H	H	H	H
C13M56	.	G44685	.	178.8	3	13	D	H	H	D	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	H	H	D	H	D	D	H	H	D	H	H	H	H
C13M73	.	G44683	.	178.8	3	13	D	H	H	D	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	H	H	D	H	D	D	H	H	D	H	H	H	H
C13M51	.	G44684	.	178.8	3	13	D	H	H	D	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	H	H	H	D	H	D	D	H	H	D	H	H	H	H
TA58	.	G38813	AF010555	184.5	3	13	D	H	H	D	D	H	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H	D	D	H	H	D	H	D	D	D	H	D	H	H	H	H

Chromosome 14 inheritance in *P. falciparum* HB3xDd2 cross

Top

Previous		Legend for Tables					Parent		Progeny																																				
Marker	Synonym	STS	GenBank	position	framework	chromosome	DD2	HB3	B1SD	QC13	QC01	B4R3	SC05	TC08	GC03	3BA6	1BB5	3BD5	SC01	QC34	QC23	TC05	GC06	D43	C188	C408	116	61	7C3	7C7	7C12	7C16	7C20	7C46	C101	7C111	7C126	7C140	7C159	7C170	7C183	7C421	7C424
C14M48	.	G41083	.	0	3	14	D	H	H	H	D	D	D	D	D	D	H	D	D	H	H	H	H	H	D	D	D	D	H	D	D	D	D	D	H	H	D	D	H	H	D	H	H
C14M59	.	G41082	.	5.7	3	14	D	H	H	H	D	D	D	D	D	H	H	D	D	H	H	H	H	H	D	H	D	D	H	D	D	D	D	D	H	D	D	D	H	H	D	H	H
C14M89	.	G41085	.	11.4	3	14	D	H	H	H	D	D	D	D	D	H	H	D	D	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	H	H	D	H	H
C14M128	.	G41086	.	11.4	3	14	D	H	H	H	D	D	D	D	D	H	H	D	D	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	H	H	D	H	H
C14M111	.	G41084	.	14.3	3	14	D	H	H	H	D	D	D	D	D	H	H	D	D	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
C14M100	.	G41081	.	14.3	3	14	D	H	H	H	D	D	D	D	D	H	H	D	D	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
C14M118	.	G41087	.	17.2	3	14	D	H	H	H	D	D	D	D	D	H	H	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
C14M52	.	G44700	.	25.8	3	14	D	H	H	H	D	D	H	H	H	H	H	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
C14M79	.	G42698	.	25.8	3	14	D	H	H	H	D	D	H	H	H	H	H	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
C14M108	.	G42699	.	28.7	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	.	D	D	D	D	D	H	D	H	H
RHO1	.	G37777	M32853	28.7	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
C14M6	.	G42700	.	28.7	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	D	D	D	H	D	H	H
pSc11.87	.	.	.	.	.	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C14M11	.	G42701	.	31.6	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	H	D	D	H	D	H	H
ACT2	.	G37871	M22718	31.6	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	H	D	D	H	D	H	H
C14M71	.	G42702	.	31.6	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	H	D	D	H	D	H	H
C13M98	.	G42703	.	31.6	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	D	D	D	H	D	D	H	D	H	H
C3M36	.	G42704	.	37.3	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	H	D	D	D	D	H	D	D	H	D	D	D	D	H	D	D	H	D	H	H
C13M89	.	G42705	.	37.3	3	14	D	H	H	H	D	D	D	H	H	H	D	D	H	H	D	H	D	H	D	D	D	D	H	D	D	H	D	D	D	D	H/D	D	D	H	D	H	H
C14M50	.	G41031	.	45.9	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
5SRIB	.	G37869	M19136	45.9	3	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	H	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H

C14M113	.	G41024	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M105	.	G41025	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M95	.	G41026	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M42	.	G41027	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M91	.	G41028	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M41	.	G41029	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M47	.	G41030	.	48.8	2	14	D	H	H	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M68	.	G41023	.	51.7	2	14	D	H	D	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	H	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M39	.	G42706	.	54.6	2	14	D	H	D	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M40	.	G41021	.	54.6	2	14	D	H	D	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M4	.	G41022	.	54.6	2	14	D	H	D	H	D	D	H	H	H	H	D	D	H	H	D	H	D	D	D	D	H	H	D	D	D	H	D	D	D	H	H	D	D	H	D	H	H
C14M82	.	G41032	.	63.2	3	14	D	H	H	H	D	D	H	H	H	H	D	H	H	H	D	H	D	D	D	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	D	H	H
LW74	.	.	.	63.2	3	14	D	H	H	H	D	D	H	H	H	H	D	H	H	H	D	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C13M54	.	G42734	.	63.2	3	14	D	H	H	H	D	D	H	H	H	H	D	H	H	H	D	H	D	D	D	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	D	H	H
C14M58	.	G41033	.	63.2	3	14	D	H	H	H	D	D	H	H	H	H	D	H	H	H	D	H	D	D	D	D	H	H	D	D	H	H	D	D	D	H	H	D	D	H	D	H	H
C14M129	.	G41034	.	77.5	3	14	D	H	H	H	D	D	D	H	D	H	D	H	H	H	D	H	D	H	D	D	H	H	H	D	H	H	D	D	D	D	H	D	D	H	D	H	H
TA13	.	G38887	AF010527	80.4	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	D	D	H	H	H	D	H	H	D	D	D	D	H	D	D	H	D	H	H
C14M61	.	G41038	.	83.3	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	D	H	H	H	D	H	H	D	D	D	D	H	D	D	H	D	H	H
C14M99	.	G41039	.	83.3	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	D	H	H	H	D	H	H	D	D	D	D	H	D	D	H	D	H	H
C14M14	.	G41040	.	83.3	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	D	H	H	H	D	H	H	D	D	D	D	H	D	D	H	D	H	H
C14M30	.	G41035	.	89.0	3	14	D	H	D	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	H	H
C14M29	.	G41037	.	89.0	3	14	D	H	D	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	H	H
TA22	.	G38886	AF010534	89.0	3	14	D	H	D	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	D	H	H	H	H	H	H	D	D	D	D	H	D	D	H	D	H	H
CAL	.	G37870	M99442	94.7	3	14	D	H	D	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	H	D	H	H	H	H	D	D	D	D	H	D	D	H	D	H	H
GPI	.	G37867	J05544	106.1	3	14	D	H	H	H	D	D	D	H	D	H	H	H	D	H	D	H	D	H	H	H	H	D	H	H	H	H	D	D	D	D	H	D	D	D	D	D	H
C14M78	.	G41041	.	106.1	3	14	D	H	H	H	D	D	D	H	D	H	H	H	D	H	D	H	D	H	H	H	H	D	H	H	H	H	D	D	D	D	H	D	D	D	D	D	H
PfPGI	.	.	.	106.1	3	14	D	H	H	H	D	D	D	H	D	H	H	H	D	H	D	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
M41K2	.	G37872	.	114.7	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	H	D	H	D	H	H	D	D	H	D	H	D	D	D	D	D	H
ATB	atb2	G37796	.	.	.	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
RRR1	.	G37865	L22057	117.6	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	H	D	H	D	D	D	D	D	H
C14M115	.	G41042	.	117.6	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	H	D	H	D	D	D	D	D	H
C14M65	.	G41036	.	117.6	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	H	D	H	D	D	D	D	D	H
C14M36	.	G41043	.	117.6	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	H	D	H	D	D	D	D	D	H
C14M53	.	G42707	.	120.5	3	14	D	H	H	H	D	D	D	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	H	D	H	D	D	D	D	D	H
TA88	.	G38888	AF010572	120.5	3	14	D	H	H	H	D	D	D*	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
pSc11.90	.	.	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LW54	.	.	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
LW55	.	.	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C14M51	.	G41044	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M17	.	G41045	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M120	.	G41046	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M109	.	G41047	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
TPI	tpi	G37794	L01655	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M104	.	G41048	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
M41KD	.	G37873	A13477,A00785	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M54	.	G41049	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M77	.	G41050	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M9	.	G41051	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M96	.	G41052	.	123.4	3	14	D	H	H	H	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M80	.	G41053	.	126.3	3	14	D	H	H	D	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M55	.	G41054	.	126.3	3	14	D	H	H	D	D	D	H	H	D	H	D	H	D	H	D	H	D	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
C14M64	.	G41055	.	129.2	3	14	D	H	H	D	D	D	H	H	D	H	D	H	D	H	D	H	H	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
TA62	.	G38882	AF010558	132.1	3	14	D	H	H	D	D	D	H	H	D	H	D	H	D	H	D	D	H	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
Pf18028	p18028	G37863	.	135.0	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
TA43	.	G38883	AF010544	135.0	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H
EMAA2	.	G37866	X53020	135.0	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	H	D	D	H	D	D	H	D	D	H	D	H	D	D	D	D	D	H

C14M114	.	G41057	.	143.6	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	D	H	D	H	D	D	H	D	D	H	D	H	D	D	H	D	D	H
C14M7	.	G41058	.	143.6	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	D	H	D	H	D	D	H	D	D	H	D	H	D	D	H	D	D	H
TA21	.	G38881	AF010533	146.5	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	D	D	H
C13M92	.	G41059	.	146.5	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	D	H	D	H	D	D	H	D	D	H	D	D	D	D	H	D	D	H
C14M121	.	G41056	.	146.5	3	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	H	H	D	D	D	H	D	D	H	D	D	H	D	D	D	D	H	D	D	H
C14M76	.	G41060	.	152.2	2	14	D	H	H	D	H	D	H	H	D	H	D	H	D	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	D	D	D	H	D	D	H
C14M32	.	G41061	.	155.1	3	14	D	H	H	D	H	D	H	H	H	H	D	H	D	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	D	D	D	H	D	D	H
C14M49	.	G41062	.	155.1	3	14	D	H	H	D	H	D	H	H	H	H	D	H	D	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	D	D	D	H	D	D	H
C14M34	.	G41063	.	155.1	3	14	D	H	H	D	H	D	H	H	H	H	D	H	D	H	D	D	H	D	H	D	H	D	H	H	D	H	D	D	H	D	D	D	D	H	D	D	H
Pf9607	.	G37868	T09607	163.7	3	14	D	H	H	D	H	D	H	H	H	H	D	H	D	H	D	D	H	D	H	D	H	D	D	H	D	H	H	D	H	D	D	D	D	H	D	H	H
C12M88	.	G38799	.	163.7	3	14	D	H	H	D	H	D	H	H	H	H	D	H	D	H	D	D	H	D	H	D	H	D	D	H	D	H	H	D	H	D	D	D	D	H	D	H	H
C14M24	.	G41064	.	163.7	3	14	D	H	H	D	H	D	H	H	H	H	D	H	D	H	D	D	H	D	H	D	H	D	D	H	D	H	H	D	H	D	D	D	D	H	D	H	H
C14M57	.	G41065	.	180.8	3	14	D	H	D	D	D	D	H	H	H	H	H	H	D	D	D	D	H	D	H	D	H	D	D	H	D	H	H	D	D	D	H	D	D	H	D	H	H
C14M92	.	G41066	.	180.8	3	14	D	H	D	D	D	D	H	H*	H*	H	H	H	D	D	D	D	H	D	H*	D	H*	D	D	H*	D	H*	H*	D	D	D	H	D	D	H	D	H*	H*
C14M87	.	G41068	.	189.4	3	14	D	H	D	D	H	D	H	H	H	H	H	H	H	D	D	D	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	D	H	D
C14M33	.	G41067	.	192.3	3	14	D	H	D	D	H	D	H	H	H	H	H	H	D	D	D	D	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M103	.	G41069	.	200.9	3	14	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M90	.	G41070	.	200.9	3	14	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M3	.	G41071	.	200.9	3	14	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	D	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M88	.	G41072	.	203.8	3	14	D	H	D	D	H	D	H	H	H	H	D	H	H	D	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M15	.	G41077	.	206.7	3	14	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	H	H	D	H	H	H	D	D	H	D	H	H	D	D	D	H	D	D	H	H	H	D
LW84	.	.	.	.	.	14	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	H	H	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
C14M16	.	G41073	.	209.6	2	14	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	H	H	D	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M127	.	G41074	.	212.5	3	14	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M20	.	G41076	.	212.5	3	14	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M124	.	G41078	.	215.4	2	14	D	H	H	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
BM3	.	G42708	.	215.4	2	14	D	H	H	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M21	.	G41079	.	215.4	2	14	D	H	H	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
TA135	.	G38884	AF010529	215.4	2	14	D	H	H	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	H	H	D
C14M112	.	G41080	.	215.4	2	14	D	H	H	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	H	H	H	H	D
C14M110	.	G41075	.	215.4	2	14	D	H	D	D	D	D	H	H	H	H	D	H	H	D	H	H	H	H	H	H	H	D	D	D	D	H	H	D	D	D	H	D	D	H	D	H	D

Marker Segregation Table Legend

Top

Column	Description and Notes
Marker	Unique marker name. Mostly microsatellite markers developed from simple repeats in genomic sequences from GenBank or the Malaria Genome Sequencing Centers, or screened *de novo* from genomic libraries. Some markers were screened as RFLPs. Almost all markers may be used as Sequence-Tagged Sites (see under 'STS' below).
Synonym	A synonym
STS	STS marker accession number. You may view the marker record, including primer sequence by clicking on the accession number.
GenBank	GenBank Accession for markers that are part of sequences in GenBank.
Position	Position assignment on the genetic linkage map. Markers for which position is blank could not be unequivocally placed.
Framework	Lod Score Confidence Level: 3: Lod >= 1.7; 2: LOD >= 1.0; 1: LOD >= 0.01
Chromosome	The chromosome the markers were assigned
Forward/Reverse Primers	The DNA sequence of the forward and reverse primers used in the experiment. The forward primer is listed first. (Available on PDF-Printable Version only)
Size (bp)	The marker size, in base pairs, given either for the Dd2 allele or for the GenBank sequence if an accession number is listed. (Available on PDF-Printable Version only)
H	HB3 genotype (green)

D	Dd2 genotype (aqua)
H* D*	* for third allele. H* is the third allele from HB3 parent and D* is the third allele from Dd2 parent. Note: * indicate non-canonical alleles from spontaneous microsatllite mutations in the parental populations.
	Gene conversion candidate. A gene conversion is a non-reciprocal process of genetic change in which one DNA sequence directs the conversion of a different, usually homologous, DNA partner to its own sequence. In meiotic gene conversion, one allele of a pair is changed to the sequence of its partner. This is a distinct process from reciprocal chromatid exchange.
	Empty allele or no PCR product; Amplified HB3 band is present, but Dd2 band is not present.

Reference:

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