

allele	Isolate	Accession number	Origin	Author	Peptide sequence	
1	RO-33	Y00087	Ghana	Certa (1987)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDG
	RO-33 Ghana	M35727	Ghana	Certa (1987)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDG
	clone 841D	L10380	Thailand	Jongwutiwes (1992)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLNIEFKITCSLLKNSNIPNSLI
	isolate IFA18	AF061151	Tanzania	Jiang (2000)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYID
	isolate IFA5.13	AF061148	Tanzania	Jiang (2000)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKY
	Senegal S-10	M55001	Senegal	Scherf (1991)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGS
	isolate IFA17.29	AF061150	Tanzania	Jiang (2000)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGY
	clone 814C	M77737	Thailand	Jongwutiwes (1992)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGY
	clone 814B	M77735	Thailand	Jongwutiwes (1992)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGY
	isolate CH09	AY138507	Iran	Zakeri (2002)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGY
2	isolate IFA7	AF061149	Tanzania	Jiang (2000)	MVLKDGANTQVVAKP AD AVSTQSAKNPPGATVPSGTASTKGAIRSP DA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGY
3	strain B411	M32115	Brazil	Kimura (1990)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDG
	isolate:97B224-63	AB116599	Vanuatu	Tanabe (2004)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDGY
	isolate:96M320-50	AB116600	Vanuatu	Tanabe (2004)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDGY
	isolate:97B317-40	AB116601	Vanuatu	Tanabe (2004)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDGY
	clone 838	M77736	Thailand	Jongwutiwes (1992)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLCDNHGFKYIDGY
	isolate CH10	AY138508	Iran	Zakeri (2002)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDGY
	strain B342	M32112		Kimura (1990)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRAQNYLFTIKELKYPELFDLTNHNMLTLPKNVDGFKYLIDG
	isolate:97S304-57	AB116598		Tanabe (2004)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSNTKTYADLKHRVQNYLFTIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDGY
	isolate 4/M1	AF191064		Eisen (1999)	MVLKDGANTQVVAKP AG AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSNTKTYADLKHRVQNYLFTIKEL
4	strain B440	M32114		Kimura (1990)	MVLKDGANTQVVAKP VF AVSTQSAKNPPGATVPSGTASTKGAIRSP GA ANPSDD	SDSDAKSYADLKHRVQNYLFAIKELKYPELFDLTNHNMLTLSKNVDGFKYLIDG

block 2

block3