	<b>←</b> E1 <b>←</b> R1 <b>←</b>	<b>▶←</b> E2 —
3D7	SIRRSMTESNPPTGASGSAGGSAGGSAGGSAGGSAGGSAGGSAGGSAGG	GNGANPGADA
Allele 8	··········GAS <u>GSAG</u> GSAGGSAGGSAGGSAGGSAGGSAGGSAGSGD	
Allele 9	·········	GD·····
Allele 10	$\cdots\cdots\cdots$ KT $\cdots$ PTPTPTGAGAGA <u>GASGSAGSGD</u> GASGSASGSAGASGSASGSAGASGSAGASGSASGSAGASGSASGSAGASGSASGSAGASGSASGSAGA	
Allele 11	·······KT··PTGAGAGA <u>GASGSAGSGD</u> GASGSASGSAGASGSASGSAGASGSASGSAGA	
Allele 12	······K···GT <u>GASGSAGSGA</u> GASGSAGSGDGAVASA	R·····
Allele 13	·····AV····-GAGASGRAGSGDGAVASAGSGDGAVASAGSGDGAVASA	R·····
Allele 14	·····E····-GAGASGRAGSGDGAVASAGSGDGAVASA	
Allele 15	·····AV····-GVASAGVASA	R·····
Allele 16	$\cdots\cdots$ E $\cdots\cdots$ GAGAVAGSGAGAVAGSGAGAVAGSSAGAGAGAGAGAGAGA	GN···
Allele 17	·····E··K···GASGSAGSGAVASAGSGAVASA	
Allele 18	·····E··K···GASGSA <u>GSGAVASA</u> GSGAVASAGSGAVASA	
Allele 19	·····E····-GAGASGRAGAGASGRAGAGASGRAGAGGAGGAGASGRAGSGDGAVASA	
Allele 20	······A··KT··GASGSA <u>GSGAVASA</u> GSGAVASAGSGAVASA	
Allele 21	······A··KT··GASGSA <u>GSGAVASA</u> GSGAVASA	
Allele 22	$\cdots\cdots \text{AV} \cdots \underline{\text{GAGASGRA}} GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA$	R·····
	R2 E3	Total
3D7	ERSPSTPATTTTTTTTNDAEASTSTSSENPNHNNAETNQANKETQNNSNVQQDSQTKSNVPPTQDADTKSPTAQPEQAENSAPTAE	,
Allele 8	······································	
Allele 9		3
Allele 10	·G····································	3
Allele 11	·G····································	5
Allele 12	·R·······TTTTTT·······S······PKGNGKVQEPN······	5
Allele 13	KR·····SKGKGEVQEPN·····	3
Allele 14	$\texttt{KR} \cdot \cdots \cdot \cdots \cdot \texttt{TTTTTT} \cdot \cdots \cdot \cdots \cdot \texttt{PKGKGEVQEPNK} \cdot \texttt{T} \cdot \cdots \cdot $	6
Allele 15	KR·T······S·····PKGKGEVQEPN·····	5
Allele 16	KR······K··PKGNGGVQEPN······	6
Allele 17	$\cdot \texttt{G} \cdot \texttt{S} \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \texttt{TTT} \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \texttt{K} \cdot \cdot \cdot \cdot \cdot \texttt{PKGKGEVQKPN} \cdot \cdot$	5
Allele 18	·G·S······TTT·····K·····PKGKGEVQKPN······	8
Allele 19	KR·T······TTTTTT·······PKGKGEVQEPNK··T······	
Allele 20	$\cdot \texttt{G} \cdot \texttt{S} \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \texttt{TTTTTT} \cdot $	
Allele 21	$\cdot \texttt{G} \cdot \texttt{S} \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \texttt{TTTTTT} \cdot $	6
Allele 22	$\texttt{KR} \cdot \cdots \cdot \cdots \cdots \cdots - \texttt{PKGNGKVQEPN} \cdot \cdots $	4