

**Additional file 2 Primers used for *Plasmodium falciparum* erythrocyte protein 1 full length (FL) and multi-domain expression.**

Protein name	PfEMP1	Genome	Domains								Group	Forwardprimer	Reverseprimer
var2csa FL	IT4var04	FCR3	DBLpam1	DBLpam2	CIDRpam	DBLpam3	DBLepam4	DBLepam5	DBLe10	E	a	a	
30/28-2 FL	PF11820w	3D7	DBLa13	DBLe8						A	b	b	
420/421 FL	PF11_0007	3D7	DBLa0.1	CIDRa3.2	DBLd1	CIDRb1				B	CGGATCCCA TGGAGCCGCATGGAGGTAG	CTGCGGCCGCTACAA GCGCCTTTTTCTCTGC	
238/245	IT4var02	FCR3	DBLg12	DBLd5	CIDRb3	DBLb9				A	CGGATCCCTGCGAAATAGTGGAGGATC	TGCGGCCGCTACACTTACCGCACCCTTATAC	
232/235	PF11_0008	3D7	DBLd5	CIDRb4						A	CGGATCCCTGCGAAATCGTGGATAAAAC	TGCGGCCGCTACAAAAAGTGGGTGCAACG	
51/56	PFL0020w	3D7	DBLg14	DBLz5	DBLe4					B	CTCTA GAATGTAA TCAGAAAAGTGACGC	TGCGGCCGCTGTA TTTTCTA TTA TTTTCA TCAAAATTAC	
69/74	MAL6P1.4	3D7	DBLe2	DBLe7	DBLe3					B	CGGATCCCTGTGAAAATTTTAGAACTC	TGCGGCCGCTATTCAGAGAGACAATGAAC	

a Previously published [47]

b Previously published [48]