

Table 13. Strict analysis of respiratory distress (R) vs. non-respiratory distress (NR)

Seed-motifs	Number of contigs	Number of isolates represented	Number of isolates		Motifs of PfEMP1s of in vitro-propagated parasites	Seed id	P	Skew
			R	NR				
R1-RKEKEKEE	3	4	4	0		Contig1110_20_27	0,005	1,000
R2-EYFVHK	7	8	5	3		Contig1137_92_97	0,039	0,630
R3-EPGKQH	10	11	7	4	R29	Contig1134_18_23	0,012	0,630
R4-EDAPYF	26	28	14	14	TM284S2	Contig1335_116_121	0,006	0,448
R5-ALNRQE	54	55	22	33	R29, Var0	Contig722_67_72	0,018	0,273
R6-LKKIFKKI	132	139	45	94	FCR3S1.2	Contig1130_61_68	0,043	0,114
NR1-NEKDQE	12	13	0	13		Contig1291_48_53	0,013	-1,000
NR2-KKLEEN	132	144	29	115	TM284S2,MCvar1o2	Contig1237_54_59	0,002	-0,203
NR3-TANRST	106	113	24	91	FCR3S1.2	Contig1117_102_107	0,021	-0,182

Amino-acid motifs found present in assembled var-contigs translated into amino-acids of fresh isolates obtained from Ugandan children with respiratory distress (R) vs. non-respiratory distress (NR). See also M&M. The analysis was strict ie. only motifs from the same alignment region of DBL1alpha were considered.