

Groups Compared	3D7		HB3		Groups Compared	3D7		HB3	
	Significant		Significant			Significant		Significant	
Ctrl vs 5G10	Yes	***	Yes	***	7E6 vs 1G6	Yes	***	Yes	*
Ctrl vs 7E6	Yes	***	Yes	***	7E6 vs 4B7	Yes	***	Yes	*
Ctrl vs 9G3	Yes	***	Yes	***	7E6 vs 4E7	Yes	***	No	ns
Ctrl vs 9D3	Yes	***	Yes	***	9G3 vs 9D3	No	ns	No	ns
Ctrl vs 1B10	No	ns	Yes	*	9G3 vs 1B10	Yes	***	Yes	**
Ctrl vs 1G6	Yes	*	Yes	*	9G3 vs 1G6	Yes	***	Yes	**
Ctrl vs 4B7	Yes	***	Yes	*	9G3 vs 4B7	Yes	**	Yes	**
Ctrl vs 4E7	Yes	*	Yes	**	9G3 vs 4E7	Yes	***	Yes	*
5G10 vs 7E6	No	ns	No	ns	9D3 vs 1B10	Yes	**	Yes	*
5G10 vs 9G3	No	ns	No	ns	9D3 vs 1G6	Yes	*	No	ns
5G10 vs 9D3	No	ns	No	ns	9D3 vs 4B7	No	ns	Yes	*
5G10 vs 1B10	Yes	***	Yes	***	9D3 vs 4E7	Yes	*	No	ns
5G10 vs 1G6	Yes	***	Yes	***	1B10 vs 1G6	No	ns	No	ns
5G10 vs 4B7	Yes	***	Yes	***	1B10 vs 4B7	No	ns	No	ns
5G10 vs 4E7	Yes	***	Yes	***	1B10 vs 4E7	No	ns	No	ns
7E6 vs 9G3	No	ns	No	ns	1G6 vs 4B7	No	ns	No	ns
7E6 vs 9D3	No	ns	No	ns	1G6 vs 4E7	No	ns	No	ns
7E6 vs 1B10	Yes	***	Yes	**	4B7 vs 4E7	No	ns	No	ns

Table S1: Significant value of differences in antibody neutralization of parasite growth. The values were determined by one-way ANOVA with Dunnett's multiple comparison tests between control and EBA140 monoclonal antibodies, or between the F1-specific and F2-specific antibodies, or each of the antibody within F1 cohort (or F2 cohort) compared to each other for their neutralization effects.