

Table S1. Lack of association between parasitemia levels and neuroprotection in HBO^a exposed animals infected with PbA^b.

Mice	Inhibition ^c (%) Day 4	Inhibition (%) Day 5	Inhibition (%) Day 6	CM neurological symptoms ^d
#1	44,31	35,06	9,53	No
#2	5,57	12,74	23,69	Yes
#3	62,71	2,59	15,82	Yes
#4	18,64	13,75	12,67	No
#5	-11,38	2,59	19,76	No
#6	-28,33	4,62	22,9	No
#7	22,52	12,74	26,05	No
#8	22,52	19,84	11,10	Yes
#9	63,68	6,65	25,26	Yes
#10	22,52	29,99	-36,99	Yes

^a Animals were exposed to the 11-day exposure protocol .

^b Mice were infected i.p. with 10⁶ iRBC of *P. berghei* ANKA.

^c Inhibition of parasitemia relative to non-exposed animals.

^d All animals that presented CM neurological symptoms died on day 6-10 p.i..