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**Fig. S1** Analysis of a second independent clone of parasite line ∆SRCR/EGFP. 

**A:** GFP fluorescence in an ookinete, showing lack of focal spots corresponding to crystalloids. 

**B:** Molecular analysis by PCR. Lane 1: 1kb product obtained with primers DHFRCAS3’ (TCGTGGGCTACGTCCGCAC) and SR3’-R (CGCCTTCACGCTGATGT), confirming genomic integration of the selectable marker gene cassette in the pbsr locus. Lane 2: 2.2kb product obtained with primers SR1250 (CGGAATTTCGATTATAGAAGG) and pDNR-PbSR-R (ATGAGGGCCCCTAAGCTTAAGCGTTTCAAAAAGGTAAATGA), confirming the presence of the modified pbsr locus (missing the sequence encoding the SRCR domains) and the absence of the wild-type pbsr locus (would give band of 2.9kb). 

Lane M: DNA size markers.