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**Supplementary Figure S1: Mutations within and flanking the hydrophobic trough of PfAMA1 do not disrupt the overall conformation of the molecule.**

Western blot of immunoprecipitates from extracts of transgenic parasite lines expressing hydrophobic trough mutants of PfAMA1/DIII-HA. IPs were performed with mAb 4G2 and the Westerns were probed with either polyclonal antibody R5 (to detect both endogenous and transgene-derived PfAMA1), or the anti-HA mAb 3F10 (to detect transgene-derived PfAMA1 only). The results confirm that all the hydrophobic trough mutants except PfAMA1/DIII-HA- $\Delta$ H1 and - $\Delta$ H1+2 were able to interact with mAb 4G2.

