

**S5 Fig.** Expression control by Western blot of PfFNT (38 kDa incl. hemagglutinin epitope and 6xHis tag), rat MCT1 (57 kDa), BbFNT (34 kDa) plus the BbFNT S93G mutant, and the PfFNT G107S/A/C/V mutants. The proteins were detected using a mouse monoclonal anti-hemagglutinin antibody. Each lane was loaded with 30  $\mu$ g of total protein. The appearance of partially SDS-resistant oligomers hints at correct protein folding.