Supplemental FIGURE. 1. Deduced amino acid sequence of *Synechocystis* NhaS3 compared to other Na^+/H^+ antiporters from *Synechocystis, E. coli* and *Gloeobacter violaceus.* NhaS3 contains a domain in its N-terminal region (GGLAPEDSLVIQLLMGSADLSPEAAQSVFSAQSE, see box), which is not found in the homologous Na^+/H^+ antiporter of the cyanobacterium *Gloeobacter violaceus* that lacks a thylakoid membrane.

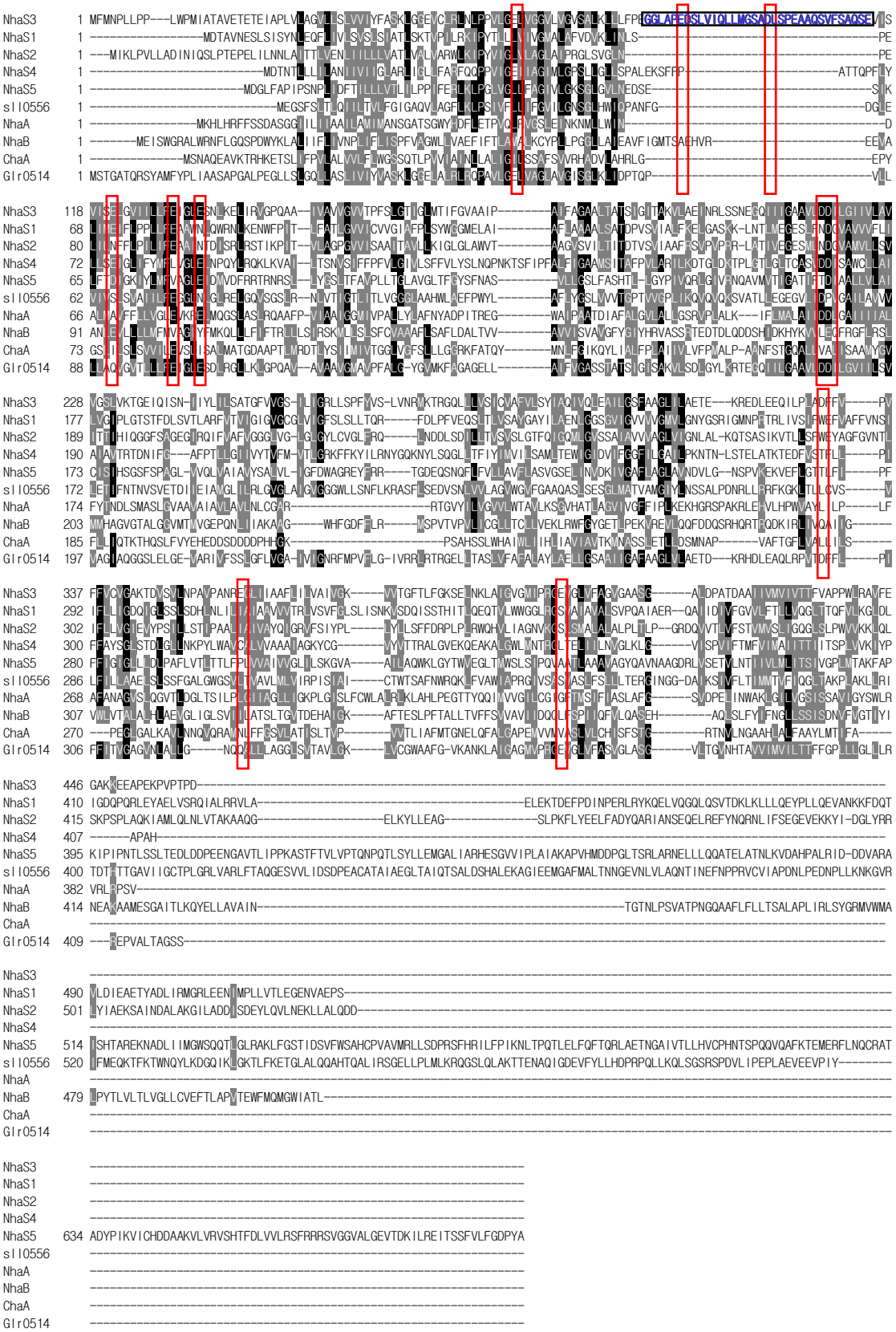

Fig. S1. Deduced amino acid sequence of *Synechocystis* NhaS3 compared to other Na^+/H^+ antiporters from *Synechocystis, E. coli* and *Gloeobacter violaceus.* Multiple alignment of the amino acid sequences of NhaS3, NhaS1, NhaS2, NhaS4, NhaS5 and *sll0556* from *Synechocystis* PCC 6803, NhaA, NhaB and ChaA from *E. coli*, and *glr0514* from *Gloeobacter violaceus.*