

**Fig. S1.** Alignment of ten control region sequences from eight species, *Pangasius mekongensis* (Pmek), *Pangasius krempfi* (Pkre), *Pangasius pangasius* (Ppan), *Pangasius larnaudii* (Plar), *Pangasius bocourti* (Pboc), *Pangasius sanitwongsei* (Psan), *Pangasianodon* *hypophthalmus* (Phyp, three sequences), and *Pangasianodon gigas* (Pgig). Types of conserved sequence blocks (CSBs) within a species (CSB-C), within a genus (CSB-B), and within both genera (*Pangasius* and *Pangasianodon*) (CSB-A) are presented. Aligned nucleotide sequences and typical CSBs are shown as boxes. For species, see Table S2; for descriptions of the blocks, see text.