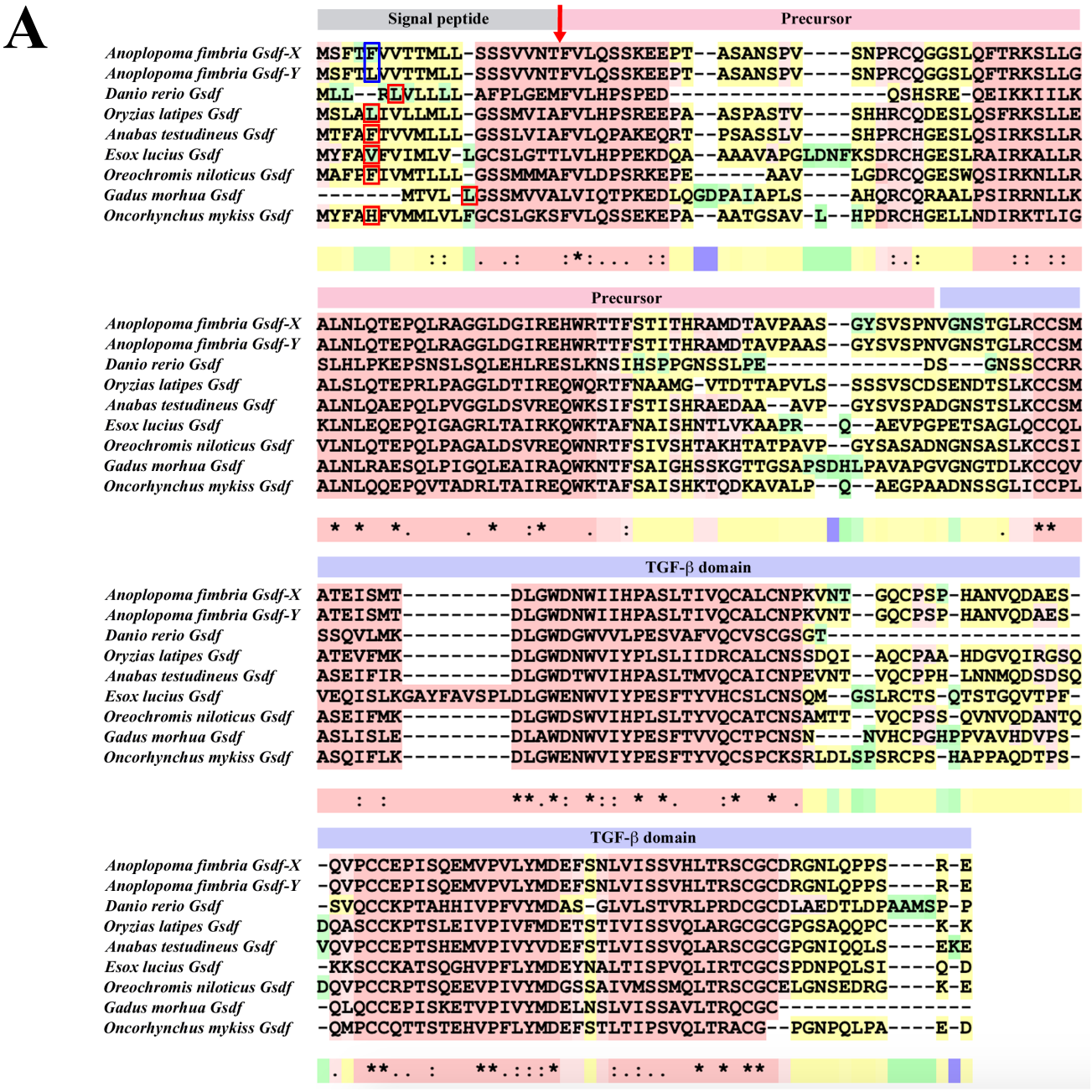

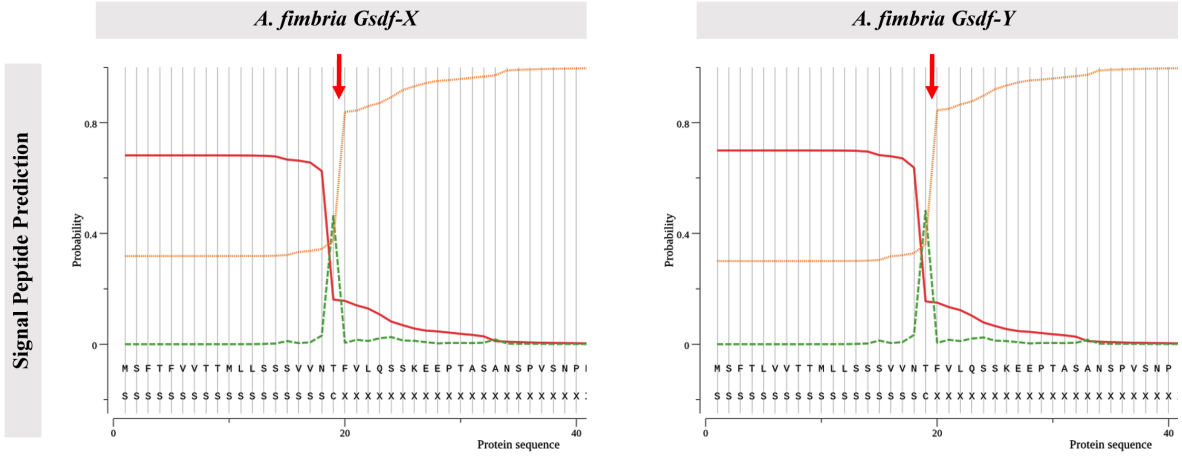

Supplemental Figure S1. Amino acid sequences conservation of the fish Gsdf proteins.
(A) Amino acid sequences encoding an array of fish Gsdf proteins, as well as GsdfX and GsdfY from sablefish, were aligned using the T-COFFEE multiple sequence alignment server. Allelic variations in the fifth amino acid residue are boxed.
(B) single nucleotide polymorphism recorded within the fifth amino acid (pF5L) does not impact the quality of the signal peptide cleavage site between GsdfX and GsdfY allelic variants. The read arrows indicate the predicted cleavage sites of the signal peptide.
Sequences originate from the GenBank nucleotide database:
sablefish (Anoplopoma fimbria, X-copy AGR33990, Y-copy AGR33991); zebrafish (Danio rerio, NP_001108140);
medaka (Oryzias latipes, NP_001171213.1); climbing perch (Anabas testudineus, XP_026209720.1);
Northern pike (Esox lucius, XM_013133072); Nile tilapia (Oreochromis niloticus, XP_003451534);
Atlantic cod (Gadus morhua, AGE15746.1); rainbow trout (Oncorhynchus mykiss, NP_001118051.1).