



Additional file 2. Multiple protein sequence alignment across deiodinases of pigs and other species.

Protein sequences of porcine deiodinases (DIO1, DIO2, DIO3) were aligned with DIO2 sequences from human, mouse, rat, cattle, and chicken via the web interface for Clustal Omega (<https://www.ebi.ac.uk/Tools/msa/clustalo/>) with the default settings, and aligned result was plotted using ggmsa [1] (v.1.0.0) in R. Light blue arrow denotes amino acid position altered by Asn91Ser variant. Destruction (or instability) loop [2, 3] and active center of deiodinases [4] were annotated by color coded amino acids and sequence logo. UniProt ID for each protein sequence is on the left side of the vertical bar for the sequence label. Edited with Biorender.

References

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