Assignment 2

Bioinformatics Theory and Applications

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Part 3

NCBI Blast analysis

Text T1:

- 1. Hippoglossus hippoglossus (Atlantic Halibut) myosin heavy chain, mRNA
- 2. *Stegastes partitus* (Bicolor damselfish) myosin heavy chain, fast skeletal muscle-like (LOC103370545), mRNA

Text T2

- 1. Hippoglossus hippoglossus (Atlantic Halibut) complement component C3, mRNA
- 2. Paralichthys olivaceus (Japanese flounder) mRNA for complement component C3

Text T3

- 1. Hippoglossus hippoglossus (Atlantic halibut) myogenic factor MyoD1 mRNA
- 2. *Oreochromis niloticus* (Nile tilapia) niloticus myogenic factor MyoD1, transcript variant X1, mRNA

Text T4

- 1. Paralichthys olivaceus (Japanese flounder) beta-actin mRNA
- 2. Seriola quinqueradiata (Japanese amberjack) ACTB mRNA for beta-actin

Text T5

- 1. *Hippoglossus hippoglossus* (Atlantic halibut) mRNA for gonadotropin alpha subunit (GTH gene)
- 2. *Paralichthys olivaceus* (Japanese flounder) gonadotropin alpha subunit precursor, mRNA

Text T6

- 1. Hippoglossus hippoglossus (Atlantic halibut) pepsinogen A1 precursor, mRNA
- 2. Hippoglossus hippoglossus (Atlantic halibut) pepsinogen A2 precursor, mRNA

Text T7

- 1. Hippoglossus hippoglossus (Atlantic halibut) pleurocidin-like peptide Hb18 (ple) gene
- 2. Glyptocephalus cynoglossus (witch) pleurocidin-like peptide GcSc4B7 (ple) mRNA

Text T8

- 1. Hippoglossus hippoglossus (Atlantic halibut) pleurocidin-like peptide Hb26 (ple) gene
- 2. Hippoglossus hippoglossus (Atlantic halibut) pleurocidin-like peptide Hb18 (ple) gene

Text T9

- 1. Hippoglossus hippoglossus (Atlantic halibut) myoD gene
- 2. *Hippoglossus hippoglossus* (Atlantic halibut) mRNA for myoblast determination protein (myoD2 gene)

Text T10

- 1. *Hippoglossus hippoglossus* (Atlantic halibut) clone d2-5 immunoglobulin D heavy chain mRNA
- 2. *Hippoglossus hippoglossus* (Atlantic halibut) clone d3/4/5/6/7/TM immunoglobulin D heavy chain mRNA

