

Supplementary File 5. ClustalW alignment of deduced amino acid sequences from TRBC genes annotated in salmonid genomes.

The domains and regions are indicated based on IMGT numbering: C(constant domain), CO (connecting region), TM (transmembrane region) and CY (cytoplasmic region).

We use TRBC sequences identified in Salmonid genome assemblies, as well as human TRBC1 (P01850.4) and TRBC2 (A0A5B9.2) gene amino acid sequences. Specifically, rainbow trout (*Oncorhynchus mykiss*), Arlee and Swanson lines: GCA_013265735.3 (NC_048589.1: from 43176761 to 43177117, from 43979157 to 43979516; NC_048583.1: from 63763500 to 63763853) and GCA_025558465.1(CM046594.1: from 92821775 to 92822134, from 88287356 to 88287715; CM046588.1: from 59036934 to 59037287), Atlantic salmon (*Salmo salar*): GCA_905237065.2 (NC_059450.1: from 48494763 to 48495119, from 47732112 to 47732468; NC_059442.1: from 3712267 to 3712623, from 4431095 to 4431451), brown trout (*Salmo trutta*): GCA_901001165.1 (NC_042981.1: from 3820220 to 3820576, from 3360038 to 3360394; NC_042989.1: from 41909413 to 41909754; from 41146330 to 41146671), Coho salmon (*Oncorhynchus kisutch*): GCA_002021735.2 (NC_034187: from 4131571 to 4131924; from 4419372 to 4419725; NC_034180.2: from 54067269 to 54067577; from 54585344 to 54585652), Chinook salmon (*Oncorhynchus tshawytscha*): GCA_002872995.1 (NC_037104.1: from 73073875 to 73074138, from 73058750 to 73059103, from 73048533 to 73048739;), Pink salmon (*Oncorhynchus gorbuscha*) (even and odd year): GCA_021184085.1 (NC_060182.1: from 95791252 to 95791605, from 96054336 to 96054689; NC_060189.1: from 1592848 to 1593186, from 2463629 to 2463967) and GCA_017355495.1 (CM029856.1: from 93543873 to 93544226, from 93300858 to 93301136; CM029863.1: from 1668337 to 1668675, from 2284373 to 2284711), and Northern pike (*Esox lucius*): GCA_004634155.1(NC_025982.4: from 7137435 to 7137779, from 6848109 to 6848413).

Esoluc: *Esox Lucius*; Oncmyk: *Oncorhynchus mykiss*; Salsal: *Salmo salar*; Onctsh: *Oncorhynchus tshawytscha*; Onckis: *Oncorhynchus kisutch*, Oncgor: *Oncorhynchus gorbuscha*; Homsap: *Homo sapiens*.

C- domain

P X I V T P X V K V L X P S X K E C E D R N K K K K K T L V C V A T X F Y P D H V T V F W X N X - - N X T X G X G T D N X A L X D X - - - - X X Y S I T S R L R V P A X W X X X N R F T C

[illegible]

C-domain CO TM Cy

XVFXNGXXIXV-----DXIXGXXXXXXGXXTTYYVKSTQAKLAYSIETAKSTFYGLVVMXXIWKEQXSSXKQX-

[illegible]