



**Figure S2.** Sequence alignment of MAG from salmon and the obtained sequence of MAG of maraena whitefish. Alignments were performed using the Clustal Omega tool of EMBL-EBI. The different colours indicate the properties of the amino acids. Red, small hydrophobic/aromatic amino acids; blue, acidic amino acids; magenta, basic amino acids; green: hydrophilic, polar and small amino acids. The red box indicates the ITIM motif: LNYAAL, blue boxes indicate N-glycosylation sites and the orange box shows the conserved W22 (W<sub>21</sub> in fish).