

Supplemental Table 1. Percent amino acids sequence identities (top right triangle) and similarities (bottom left triangle) of STAT1 proteins. The accession numbers for the STAT1 from each species are given in parentheses.

	ssSTAT1a	Atlantic salmon (EU016199)	Atlantic salmon (BT045567)	Rainbow trout (U60331)	Snakehead (EF079868)	Green pufferfish (AF307105)	Japanese flounder (EF491182)	Human (NM_007315)	Norway rat (NM_032612)	African clawed frog (AY101602)	Zebrafish (NM_131480)	Crucian carp (AY242386)
ssSTAT1a		96.3	98.3	97.6	80.1	76.4	77.9	66.1	64.7	65.8	63.3	58.4
Atlantic salmon (EU016199)	96.7		94.6	94.9	79.9	76.2	78.0	66.3	65.1	65.7	63.6	59.5
Atlantic salmon (BT045567)	98.3	95.1		95.9	79.1	75.8	76.8	65.4	64.1	65.2	62.6	57.4
Rainbow trout (U60331)	98.8	96.4	97.1		80.1	76.5	78.1	66.8	65.4	66.2	63.2	58.6
Snakehead (EF079868)	90.4	90.0	89.3	90.5		86.1	88.4	66.5	66.0	65.7	62.8	58.3
Green pufferfish (AF307105)	87.5	86.9	87.1	87.2	92.9		83.1	65.2	64.8	63.8	60.8	57.1
Japanese flounder (EF491182)	89.2	89.0	88.0	89.5	94.0	92.2		66.0	65.7	63.8	63.0	57.9
Human (NM_007315)	82.4	82.3	81.7	82.8	83.9	81.9	82.9		93.6	79.0	59.9	58.4
Norway rat (NM_032612)	81.5	81.6	80.8	81.8	83.2	81.4	82.8	97.2		78.2	59.8	59.1
African clawed frog (AY101602)	82.0	82.0	81.3	82.6	83.1	81.2	82.2	90.6	89.5		59.8	57.1
Zebrafish (NM_131480)	79.9	80.1	79.1	80.2	79.8	79.8	80.7	79.2	78.9	79.1		52.8
Crucian carp (AY242386)	75.7	77.1	74.4	75.9	76.2	75.2	76.5	76.8	76.5	76.1	71.5	