Two interleukin-17C-like genes exist in rainbow trout O differentially expressed and modulated

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Citation Report

#	Article	IF	Citations
1	Identification of two FoxP3 genes in rainbow trout (Oncorhynchus mykiss) with differential induction patterns. Molecular Immunology, 2010, 47, 2563-2574.	1.0	48
2	Isolation of seven IL-17 family genes from the Japanese pufferfish Takifugu rubripes. Fish and Shellfish Immunology, 2010, 28, 809-818.	1.6	83
3	Temporal and pathogen-load dependent changes in rainbow trout (Oncorhynchus mykiss) immune response traits following challenge with biotype 2 Yersinia ruckeri. Fish and Shellfish Immunology, 2010, 29, 639-647.	1.6	47
4	Sequence and expression analysis of two T helper master transcription factors, T-bet and GATA3, in rainbow trout Oncorhynchus mykiss and analysis of their expression during bacterial and parasitic infectionâ˜†. Fish and Shellfish Immunology, 2010, 29, 705-715.	1.6	90
5	Fish T cells: Recent advances through genomics. Developmental and Comparative Immunology, 2011, 35, 1282-1295.	1.0	95
6	Dynamic evolution of CIKS (TRAF3IP2/Act1) in metazoans. Developmental and Comparative Immunology, 2011, 35, 1186-1192.	1.0	10
7	The interleukins of fish. Developmental and Comparative Immunology, 2011, 35, 1336-1345.	1.0	268
8	Diversity of teleost leukocyte molecules: Role of alternative splicing. Fish and Shellfish Immunology, 2011, 31, 663-672.	1.6	9
9	Transcription of T cell-related genes in teleost fish, and the European sea bass (Dicentrarchus labrax) as a model. Fish and Shellfish Immunology, 2011, 31, 655-662.	1.6	46
10	Genomics of fish IL-17 ligand and receptors: A review. Fish and Shellfish Immunology, 2011, 31, 635-643.	1.6	82
11	Sequencing of a second interleukin-10 gene in rainbow trout Oncorhynchus mykiss and comparative investigation of the expression and modulation of the paralogues inÂvitro and inÂvivo. Fish and Shellfish Immunology, 2011, 31, 107-117.	1.6	51
12	Gene expression profiling in naÃ¯ve and vaccinated rainbow trout after Yersinia ruckeri infection: Insights into the mechanisms of protection seen in vaccinated fish. Vaccine, 2011, 29, 4388-4399.	1.7	101
13	Bioactivity studies of rainbow trout (Oncorhynchus mykiss) interleukin-6: Effects on macrophage growth and antimicrobial peptide gene expression. Molecular Immunology, 2011, 48, 1903-1916.	1.0	152
14	Functional Characterization of a Nonmammalian IL-21: Rainbow Trout Oncorhynchus mykiss IL-21 Upregulates the Expression of the Th Cell Signature Cytokines IFN-Î³, IL-10, and IL-22. Journal of Immunology, 2011, 186, 708-721.	0.4	163
15	Developments in adjuvants for fish vaccines. , 2012, , 244-274.		2
16	The innate and adaptive immune system of fish. , 2012, , 3-68.		77
17	Immune gene expression in trout cell lines infected with the fish pathogenic oomycete Saprolegnia parasitica. Developmental and Comparative Immunology, 2012, 38, 44-54.	1.0	53
18	Fish Cytokines and Immune Response. , 0, , .		33

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19	Recent progress in host immunity to avian coccidiosis: IL-17 family cytokines as sentinels of the intestinal mucosa. Developmental and Comparative Immunology, 2013, 41, 418-428.	1.0	70
20	Two Types of TNF-Î± Exist in Teleost Fish: Phylogeny, Expression, and Bioactivity Analysis of Type-II TNF-Î±3 in Rainbow Trout Oncorhynchus mykiss. Journal of Immunology, 2013, 191, 5959-5972.	0.4	201
21	The cytokine networks of adaptive immunity in fish. Fish and Shellfish Immunology, 2013, 35, 1703-1718.	1.6	265
22	Innate lymphoid cells â€" how did we miss them?. Nature Reviews Immunology, 2013, 13, 75-87.	10.6	621
23	Cloning and Characterization of Rainbow Trout Interleukin-17A/F2 (IL-17A/F2) and IL-17 Receptor A: Expression during Infection and Bioactivity of Recombinant IL-17A/F2. Infection and Immunity, 2013, 81, 340-353.	1.0	97
25	Characterization of grass carp (Ctenopharyngodon idella) IL-17D: Molecular cloning, functional implication and signal transduction. Developmental and Comparative Immunology, 2014, 42, 220-228.	1.0	48
26	Genomic characterization and expression analysis of five novel IL-17 genes in the Pacific oyster, Crassostrea gigas. Fish and Shellfish Immunology, 2014, 40, 455-465.	1.6	68
28	Whole-body transcriptome of selectively bred, resistant-, control-, and susceptible-line rainbow trout following experimental challenge with Flavobacterium psychrophilum. Frontiers in Genetics, 2014, 5, 453.	1.1	74
29	Identification and functional characterization of grass carp IL-17A/F1: An evaluation of the immunoregulatory role of teleost IL-17A/F1. Developmental and Comparative Immunology, 2015, 51, 202-211.	1.0	54
30	Identification of the salmonid IL-17A/F1a/b, IL-17A/F2b, IL-17A/F3 and IL-17N genes and analysis of their expression following in vitro stimulation and infection. Immunogenetics, 2015, 67, 395-412.	1.2	59
31	Characterization of Lamprey IL-17 Family Members and Their Receptors. Journal of Immunology, 2015, 195, 5440-5451.	0.4	56
32	Ciona intestinalis interleukin 17-like genes expression is upregulated by LPS challenge. Developmental and Comparative Immunology, 2015, 48, 129-137.	1.0	47
33	Evaluation of the immune response in rainbow trout fry, <scp>O</scp>ncorhynchus mykiss (<scp>W</scp>albaum), after waterborne exposure to <scp>F</scp>lavobacterium psychrophilum and/or hydrogen peroxide. Journal of Fish Diseases, 2015, 38, 55-66.	0.9	8
34	Effect of hydrogen peroxide and/or <scp>F</scp>lavobacterium psychrophilum on the gills of rainbow trout, <scp>O</scp>ncorhynchus mykiss (<scp>W</scp>albaum). Journal of Fish Diseases, 2015, 38, 259-270.	0.9	9
35	The Function of Fish Cytokines. Biology, 2016, 5, 23.	1.3	413
36	Vertebrate Cytokines and Their Evolution. , 2016, , 87-150.		29
37	Re-examination of the rainbow trout (Oncorhynchus mykiss) immune response to flagellin: Yersinia ruckeri flagellin is a potent activator of acute phase proteins, anti-microbial peptides and pro-inflammatory cytokines inÂvitro. Developmental and Comparative Immunology, 2016, 57, 75-87.	1.0	46
38	Cloning and characterization of two duplicated interleukin-17A/F2 genes in common carp (Cyprinus) Tj ETQq1 1 0.784314 rgBT /Ove Immunology, 2016, 51, 303-312.	1.6	17

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39	Comparative study of interleukin-17C (IL-17C) and IL-17D in large yellow croaker Larimichthys crocea reveals their similar but differential functional activity. Developmental and Comparative Immunology, 2017, 76, 34-44.	1.0	32
40	Analysis of adipose tissue immune gene expression after vaccination of rainbow trout with adjuvanted bacterins reveals an association with side effects. Molecular Immunology, 2017, 88, 89-98.	1.0	24
41	Transcriptome-wide mapping of signaling pathways and early immune responses in lumpfish leukocytes upon in vitro bacterial exposure. Scientific Reports, 2018, 8, 5261.	1.6	31
42	Rainbow trout (Oncorhynchus mykiss) adipose tissue undergoes major changes in immune gene expression following bacterial infection or stimulation with pro-inflammatory molecules. Developmental and Comparative Immunology, 2018, 81, 83-94.	1.0	33
43	Interleukin (IL)-2 Is a Key Regulator of T Helper 1 and T Helper 2 Cytokine Expression in Fish: Functional Characterization of Two Divergent IL2 Paralogs in Salmonids. Frontiers in Immunology, 2018, 9, 1683.	2.2	71
44	Osteichthyes: Immune Systems of Teleosts (Actinopterygii). , 2018, , 687-749.		4
45	Identification ofinterleukinâ€16(<scp>IL</scp>â€16) andinterleukinâ€17D(<scp>IL</scp>â€17D) genes from Dabry's sturgeon (Acipenser) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	3
46	Distinct response of immune gene expression in peripheral blood leucocytes modulated by bacterin vaccine candidates in rainbow trout Oncorhynchus mykiss: A potential in vitro screening and batch testing system for vaccine development in aquaculture. Fish and Shellfish Immunology, 2019, 93, 631-640.	1.6	10
47	A Comparison of the Innate and Adaptive Immune Systems in Cartilaginous Fish, Ray-Finned Fish, and Lobe-Finned Fish. Frontiers in Immunology, 2019, 10, 2292.	2.2	147
48	Evolution and function analysis of interleukin-17 gene from Pinctada fucata martensii. Fish and Shellfish Immunology, 2019, 88, 102-110.	1.6	25
49	Studies on the Use of Flagellin as an Immunostimulant and Vaccine Adjuvant in Fish Aquaculture. Frontiers in Immunology, 2018, 9, 3054.	2.2	58
50	Feed contamination with zearalenone promotes growth but affects the immune system of rainbow trout. Fish and Shellfish Immunology, 2019, 84, 680-694.	1.6	23
51	Dissecting the immune pathways stimulated following injection vaccination of rainbow trout (Oncorhynchus mykiss) against enteric redmouth disease (ERM). Fish and Shellfish Immunology, 2019, 85, 18-30.	1.6	31
52	RNAâ€Seq analysis of the guppy immune response against Gyrodactylus bullatarudis infection. Parasite Immunology, 2020, 42, e12782.	0.7	10
53	Different routes of Aeromonas hydrophila infection lead to differential grass carp interleukin-17 family gene expression patterns during intestinal inflammation. Aquaculture, 2020, 529, 735607.	1.7	12
54	Interleukin-17 suppresses grass carp reovirus infection in Ctenopharyngodon idellus kidney cells by activating NF-Î°B signaling. Aquaculture, 2020, 520, 734969.	1.7	5
55	Effective isolation of GALT cells: Insights into the intestine immune response of rainbow trout (Oncorhynchus mykiss) to different bacterin vaccine preparations. Fish and Shellfish Immunology, 2020, 105, 378-392.	1.6	13
56	Immune Responses and Protective Efficacy of a Formalin-Killed Francisella Noatunensis Subsp. Orientalis Vaccine Evaluated through Intraperitoneal and Immersion Challenge Methods in Oreochromis Niloticus. Vaccines, 2020, 8, 163.	2.1	22

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57	Selection on a plant-based diet reveals changes in oral tolerance, microbiota and growth in rainbow trout (Oncorhynchus mykiss) when fed a high soy diet. Aquaculture, 2020, 525, 735287.	1.7	24
58	Identification and Regulation of Interleukin-17 (IL-17) Family Ligands in the Teleost Fish European Sea Bass. International Journal of Molecular Sciences, 2020, 21, 2439.	1.8	23
59	Identification, expression and pro-inflammatory effect of interleukin-17ÂN in common carp (Cyprinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	9
60	What Goes Wrong during Early Development of Artificially Reproduced European Eel Anguilla anguilla? Clues from the Larval Transcriptome and Gene Expression Patterns. Animals, 2021, 11, 1710.	1.0	9
61	Montanideâ„¢ ISA 763A VG and ISA 761 VG induce different immune pathway responses in rainbow trout (Oncorhynchus mykiss) when used as adjuvant for an Aeromonas salmonicida bacterin. Fish and Shellfish Immunology, 2021, 114, 171-183.	1.6	8
62	Transcriptomic analysis of the immune response against A. hydrophila infection in striped catfish Pangasianodon hypophthalmus. Aquaculture, 2022, 547, 737446.	1.7	4
63	Molecular characterization of fish cytokine IL-17C from Amphiprion clarkii and its immunomodulatory effects on the responses to pathogen-associated molecular patterns and bacterial challenges. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2022, 257, 110669.	0.7	1
64	Molecular characterization, expression and function analysis of interleukin-17B, C and D genes in yellow catfish (Pelteobagrus fulvidraco). Aquaculture, 2022, 552, 737962.	1.7	3
68	Molecular cloning, expression analysis of interleukin 17D (cysteine knot cytokine) from Amphiprion clarkii and their functional characterization and NFÎºB pathway activation using FHM cells. Fish and Shellfish Immunology, 2022, 126, 217-226.	1.6	2
69	Integrative analysis of miRNA and mRNA expression associated with the immune response in the intestine of rainbow trout (Oncorhynchus mykiss) infected with infectious hematopoietic necrosis virus. Fish and Shellfish Immunology, 2022, 131, 54-66.	1.6	9
70	Evolutional perspective and functional characteristics of interleukin-17 in teleosts. Fish and Shellfish Immunology, 2023, 132, 108496.	1.6	4
71	Novel insights into the cytokine network of rainbow trout Oncorhynchus mykiss using cell lines and primary leukocyte populations. Fish and Shellfish Immunology, 2023, 137, 108755.	1.6	0