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Molecular cloning and characterization of interferon regulatory factors 4 and 8 (IRF-4 and IRF-8) in rainbow trout, *Oncorhynchus mykiss*

DOI: 10.1016/j.fsi.2010.03.001

Fish and Shellfish Immunology, 2010, 29, 157-66.

Source: <https://exaly.com/paper-pdf/49511302/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
57	Cloning, expression analysis and bioactivity studies of rainbow trout (<i>Oncorhynchus mykiss</i>) interleukin-22. <i>Cytokine</i> , 2011 , 55, 62-73	4	54
56	Interferon regulatory factor 3 (IRF-3) in Japanese flounder, <i>Paralichthys olivaceus</i> : sequencing, limited tissue distribution, inducible expression and induction of fish type I interferon promoter. <i>Developmental and Comparative Immunology</i> , 2011 , 35, 164-73	3.2	33
55	Teleost fish interferons and their role in immunity. <i>Developmental and Comparative Immunology</i> , 2011 , 35, 1376-87	3.2	285
54	Sequencing of a second interleukin-10 gene in rainbow trout <i>Oncorhynchus mykiss</i> and comparative investigation of the expression and modulation of the paralogues <i>in vitro</i> and <i>in vivo</i> . <i>Fish and Shellfish Immunology</i> , 2011 , 31, 107-17	4.3	43
53	Bioactivity studies of rainbow trout (<i>Oncorhynchus mykiss</i>) interleukin-6: effects on macrophage growth and antimicrobial peptide gene expression. <i>Molecular Immunology</i> , 2011 , 48, 1903-16	4.3	113
52	Two copies of the genes encoding the subunits of putative interleukin (IL)-4/IL-13 receptors, IL-4R α and IL-13R α , have been identified in rainbow trout (<i>Oncorhynchus mykiss</i>) and have complex patterns of expression and modulation. <i>Immunogenetics</i> , 2011 , 63, 235-53	3.2	63
51	Interferon regulatory factors 4 and 8 in rock bream, <i>Oplegnathus fasciatus</i> : structural and expressional evidence for their antimicrobial role in teleosts. <i>Fish and Shellfish Immunology</i> , 2012 , 33, 857-71	4.3	36
50	Molecular cloning and expression analysis of interferon regulatory factor 8 (IRF8) in turbot, <i>Scophthalmus maximus</i> . <i>Veterinary Immunology and Immunopathology</i> , 2012 , 149, 143-50	2	12
49	Cloning and expression analysis of the transforming growth factor-beta receptors type 1 and 2 in the rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , 2012 , 37, 115-26	3.2	11
48	Characterisation and expression analysis of B-cell activating factor (BAFF) in spiny dogfish (<i>Squalus acanthias</i>): cartilaginous fish BAFF has a unique extra exon that may impact receptor binding. <i>Developmental and Comparative Immunology</i> , 2012 , 36, 707-17	3.2	19
47	Characterisation and expression analysis of the rainbow trout (<i>Oncorhynchus mykiss</i>) homologue of the human dendritic cell marker CD208/lysosomal associated membrane protein 3. <i>Developmental and Comparative Immunology</i> , 2012 , 37, 402-13	3.2	31
46	Immune gene expression in trout cell lines infected with the fish pathogenic oomycete <i>Saprolegnia parasitica</i> . <i>Developmental and Comparative Immunology</i> , 2012 , 38, 44-54	3.2	44
45	Characteristics of the interferon regulatory factor 5 (IRF5) and its expression in response to LCDV and poly I:C challenges in Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Developmental and Comparative Immunology</i> , 2012 , 38, 377-82	3.2	21
44	Transforming growth factor- β b: a second TGF- β paralogue in the rainbow trout (<i>Oncorhynchus mykiss</i>) that has a lower constitutive expression but is more responsive to immune stimulation. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 420-32	4.3	34
43	Structural and expression studies of interferon regulatory factor 8 in Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1016-24	4.3	22
42	Molecular characterization of interferon regulatory factor 2 (IRF-2) homolog in pearl oyster <i>Pinctada fucata</i> . <i>Fish and Shellfish Immunology</i> , 2013 , 34, 1279-86	4.3	25
41	Innate immune responses of salmonid fish to viral infections. <i>Developmental and Comparative Immunology</i> , 2014 , 43, 160-73	3.2	66

40	Transcriptome profiling reveals insight into distinct immune responses to <i>Aeromonas salmonicida</i> in gill of two rainbow trout strains. <i>Marine Biotechnology</i> , 2014 , 16, 333-48	3.4	38
39	A murrel interferon regulatory factor-1: molecular characterization, gene expression and cell protection activity. <i>Molecular Biology Reports</i> , 2014 , 41, 5299-309	2.8	17
38	IFN regulatory factor 10 is a negative regulator of the IFN responses in fish. <i>Journal of Immunology</i> , 2014 , 193, 1100-9	5.3	69
37	Conserved inhibitory role of teleost SOCS-1s in IFN signaling pathways. <i>Developmental and Comparative Immunology</i> , 2014 , 43, 23-9	3.2	23
36	Antiviral genes in the Asian swamp eel <i>Monopterus albus</i> : comparison of tissue expression and inducible expression of six interferon regulatory factors. <i>Genes and Genomics</i> , 2015 , 37, 429-440	2.1	16
35	Molecular characterization and expression analysis of eleven interferon regulatory factors in half-smooth tongue sole, <i>Cynoglossus semilaevis</i> . <i>Fish and Shellfish Immunology</i> , 2015 , 44, 272-82	4.3	58
34	Regulation pattern of fish irf4 (the gene encoding IFN regulatory factor 4) by STAT6, c-Rel and IRF4. <i>Developmental and Comparative Immunology</i> , 2015 , 51, 65-73	3.2	16
33	Characterization and expression analyses of five interferon regulatory factor transcripts (Irf4a, Irf4b, Irf7, Irf8, Irf10) in Atlantic cod (<i>Gadus morhua</i>). <i>Fish and Shellfish Immunology</i> , 2015 , 44, 365-81	4.3	31
32	Interferon regulatory factor 10 (IRF10): Cloning in orange spotted grouper, <i>Epinephelus coioides</i> , and evolutionary analysis in vertebrates. <i>Fish and Shellfish Immunology</i> , 2015 , 46, 669-77	4.3	10
31	Characterization of Amphioxus IFN Regulatory Factor Family Reveals an Archaic Signaling Framework for Innate Immune Response. <i>Journal of Immunology</i> , 2015 , 195, 5657-66	5.3	17
30	Interferon regulatory factor 4b (IRF4b) in Japanese flounder, <i>Paralichthys olivaceus</i> : Sequencing, ubiquitous tissue distribution and inducible expression by poly(I:C) and DNA virus. <i>Developmental and Comparative Immunology</i> , 2016 , 62, 127-33	3.2	5
29	Characterization of common carp (<i>Cyprinus carpio</i> L.) interferon regulatory factor 5 (IRF5) and its expression in response to viral and bacterial challenges. <i>BMC Veterinary Research</i> , 2016 , 12, 127	2.7	45
28	Bioinformatics and expression analysis of finTRIM genes in grass carp, <i>Ctenopharyngodon idella</i> . <i>Fish and Shellfish Immunology</i> , 2017 , 66, 217-223	4.3	12
27	Transcriptome analysis reveals temperature-regulated antiviral response in turbot <i>Scophthalmus maximus</i> . <i>Fish and Shellfish Immunology</i> , 2017 , 68, 359-367	4.3	14
26	First Study on Interferon Regulatory Factor in Sturgeon: Expression Pattern of Interferon Regulatory Factor in Dabryæ Sturgeon <i>Acipenser dabryanus</i> . <i>Journal of Interferon and Cytokine Research</i> , 2017 , 37, 503-512	3.5	8
25	Expression pattern analysis of IRF4 and its related genes revealed the functional differentiation of IRF4 paralogues in teleost. <i>Fish and Shellfish Immunology</i> , 2017 , 60, 59-64	4.3	17
24	Cloning and expression study of an IRF4a gene and its two transcript variants in turbot, <i>Scophthalmus maximus</i> . <i>Fish and Shellfish Immunology</i> , 2018 , 72, 389-398	4.3	2
23	Expression and functional characterization of interferon regulatory factors 4, 8, and 9 in large yellow croaker (<i>Larimichthys crocea</i>). <i>Developmental and Comparative Immunology</i> , 2018 , 78, 35-41	3.2	8

22	Composition and transcription of all interferon regulatory factors (IRFs), IRF1-11 in a perciform fish, the mandarin fish, <i>Siniperca chuatsi</i> . <i>Developmental and Comparative Immunology</i> , 2018 , 81, 127-140	3-2	21
21	Adaptive evolution of interferon regulatory factors is not correlated with body scale reduction or loss in schizothoracine fish. <i>Fish and Shellfish Immunology</i> , 2018 , 73, 145-151	4-3	4
20	Global characterization and expression analysis of interferon regulatory factors in response to <i>Aeromonas hydrophila</i> challenge in Chinese soft-shelled turtle (<i>Pelodiscus sinensis</i>). <i>Fish and Shellfish Immunology</i> , 2019 , 92, 821-832	4-3	6
19	Potential Role of Rainbow Trout Erythrocytes as Mediators in the Immune Response Induced by a DNA Vaccine in Fish. <i>Vaccines</i> , 2019 , 7,	5-3	6
18	Functional characterization of IRF8 regulation of type II IFN in golden pompano (<i>Trachinotus ovatus</i>). <i>Fish and Shellfish Immunology</i> , 2019 , 94, 1-9	4-3	5
17	Full characterization and transcript expression profiling of the interferon regulatory factor (IRF) gene family in Atlantic cod (<i>Gadus morhua</i>). <i>Developmental and Comparative Immunology</i> , 2019 , 98, 166-180	3-2	7
16	Identification, characterization and expression in response to <i>Aeromonas hydrophila</i> challenge of five interferon regulatory factors in <i>Megalobrama amblycephala</i> . <i>Fish and Shellfish Immunology</i> , 2019 , 86, 204-212	4-3	8
15	Expression, subcellular localization, and potential antiviral function of three interferon regulatory factors in the big-belly seahorse (<i>Hippocampus abdominalis</i>). <i>Fish and Shellfish Immunology</i> , 2020 , 96, 297-310	4-3	2
14	Molecular characterization of the interferon regulatory factor (IRF) family and functional analysis of IRF11 in the large yellow croaker (<i>Larimichthys crocea</i>). <i>Fish and Shellfish Immunology</i> , 2020 , 107, 218-229	4-3	7
13	Identification of an IRF10 gene in common carp (<i>Cyprinus carpio</i> L.) and analysis of its function in the antiviral and antibacterial immune response. <i>BMC Veterinary Research</i> , 2020 , 16, 450	2-7	4
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11	Regulation of tumor necrosis superfamily molecules, BAFF and APRIL, in response to pathogenic exposure and ligand stimulation in freshwater carp, <i>Catla catla</i> . <i>Aquaculture International</i> , 2020 , 28, 2139-2159 ^{2,6}	2-6	1 ¹
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9	Grass carp (<i>Ctenopharyngodon idella</i>) interferon regulatory factor 8 down-regulates interferon1 expression via interaction with interferon regulatory factor 2 in vitro. <i>Molecular Immunology</i> , 2021 , 137, 202-211	4-3	1
8	Evolution of the Interferon Regulatory Factor Family.		0
7	Molecular Characterization and Expression Analysis of the Interferon Regulatory Factor 3 (IRF3) Gene from Red sea Bream <i>Pagrus major</i> . <i>Journal of Fisheries and Marine Sciences Education</i> , 2020 , 32, 1153-1167	0-2	0
6	Gene cloning and induced expression pattern of IRF4 and IRF10 in the Asian swamp eel (<i>Monopterus albus</i>). <i>Zoological Research</i> , 2014 , 35, 380-8		3
5	Modulation of fish immune response by interferon regulatory factor 4 in redlip mullet (<i>Liza haematocheilus</i>): Delineation through expression profiling, antiviral assay, and macrophage polarization analysis.. <i>Developmental and Comparative Immunology</i> , 2022 , 104356	3-2	0

- 4 Molecular identification and functional characterization of IRF4 from common carp (*Cyprinus carpio*. L) in immune response: a negative regulator in the IFN and NF- κ B signalling pathways.. *BMC Veterinary Research*, **2022**, 18, 106 2.7 ○
- 3 Three IRF4 paralogs act as negative regulators of type I IFN responses in yellow catfish (*Pelteobagrus fulvidraco*). **2022**, 131, 537-548 ○
- 2 The origin and loss of interferon regulatory factor 10 (IRF10) in different lineages of vertebrates. **2023**, 854, 147083 ○
- 1 Characterization and expression analysis of the interferon regulatory factor (IRF) gene family in zig-zag eel (*Mastacembelus armatus*) against *Aeromonas veronii* infection. **2023**, 140, 104622 ○