A Complete Bibliography of Publications in *Journal of Fish Diseases* (2020–2029)

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Title word cross-reference

$^+$ [LWT+22]. ^{vc} [BGZW22]. $_2$ [ZWB+23]. $_{\text{AHPND}}$ [CCL+24]. α [KQW+21]. β [LLC+21, RGS+21]. $\cdot$ [ZWB+23]. Δ [DOW+22]. γ [YGC+20]. λ/κ [CSGB+21, CSVG+22]. $\times$ [AGR+22, FFB+21, HHW+24, LPGA+21, LPGW+22, SLA+20, VGW+21, YGR+24, ZSL+24a].

&n [CLC+22].

-carrageenin [CSGB+21, CSVG+22]. **-defensin** [LLC+21]. **-glucan** [RGS+21]. **-induced** [EMH+22, FZC+23]. **-like** [BGZW22]. **-positive** [DOW+22].

. [SGR+20a, WSW+20].

01 [CCY+23].

1} [FdSB+22, ASF+21, EBBIAH21, FVC+21, PEN+21, PPT+20, YLC+21, dYdRFF+23]. **10** [MHA+20]. **12-b** [BME+20]. **124** [FZC+23, YCC+21]. **12**^{o} [LWR+20]. **13326** [HHW+24].

2 [FM23, FZC+23, KKH+24, TMM+24]. **2022** [Muf23]. **22**^{o} [BLJ+21]. **26** [YJL+23b]. **2640** [ZSL+24a]. **2642** [ZSL+24a]. **2nd** [Muf23].

3 [PEś+20, TBMP23, TR23]. **36** [KSM+21]. **3D** [FSS+21].

4 [WCT+23a].

5 [LHLS20]. **57** [AHSB+22]. **57-kDa** [AHSB+22].

7-arylaminoisoquinolin-5 [VBL+23]. **7MAnt** [VBG+22].

8-hydroxyl [LYZ+22]. **8-quinones** [VBL+23].

978 [FM23]. **978-1-032-48341-2** [FM23].

A-layer [HLH+23b]. **A.** [LH20, ZLWL23]. **A2** [XQZ+22]. **ability** [DHSM+20, KKBL21, LHTW21, YPT+22, ZLWL23]. **abnormalities** [APK+23, EGRD22, FEM+20, ŘB24]. **Abramis** [APS23]. **abscessation** [RZTV21]. **abscesses** [MAG24]. **abundance** [BKM21, FMK+21, YK21]. **acanthocephalan** [CRWC22, SMP+22a]. **Acanthopagrus** [LjY+22, LZC+24, ZFC+23]. **accurate** [BFvG+23]. **acetic** [ZVYD23]. **acid** [AABB23, GWL+21, IKT+23, LXZ+21, TPSJS20a, YDM+21, YY24, ZVYD23]. **acid-fluorescence** [IKT+23]. **acidophilic** [CSVG+22]. **acids** [HLH+23b]. **Acipenser** [CVFRM+23, CMLK+22, GMK+21, MCP+22, PSH+20]. **acquisition** [LFA20]. **action** [LHTW21]. **active** [IPC+24, LYZ+22]. **activity** [AABB23, CCV+24, FWL+23, GYC+22, HBRN24, IFI+21, LYX+20, MSB+21, NTB+24, NSTS24, NNC+23, SMD+20, SZH+22, SCX+21, VBL+23, Wel20, YJL+23b, ZYZ+20, ZYH+23]. **Acute** [DNN+22, SST+22, NAaS+22, WML+21, WCT+20, YDM+21, ZGC+22]. **acyl** [LRGAH21]. **acyl-homoserine** [LRGAH21]. **adaptation** [LDO+21]. **adapted** [YY24]. **adaption** [LFG+23]. **additive** [SVP+24]. **adhesion** [GYC+22, ZJF+22, ZTY+22]. **administered** [CLC+22, RGT+23]. **Administration** [LFL+21, DXD+21, OGR+24, RKC+23, ABA+23]. **administrative** [NGC+23]. **adomavirus** [YCL+21]. **Adriatic** [MCP+22]. **adult** [BKM21, HKB+22, IAH21, MPA+21, MFP21]. **advantages** [TPSJS20b]. **Aeromonas** [ASNA24, ASR+23, BLJ+21, BMO+20, CZM+22, CXC+24, CZJ+23, DCB20, DLS+21, DZQ+22, GPC22, HHW+24, HRR+24, HLH+23b, JJZ+22, KQW+21, KB21, KKL+22, LMJ+24, LFL+21, LH20, LFG+23, MQK+20,

MBR+22, PDM+21, PGH+21, PHB+23, QWL+21, SMD+20, SYKC23, SMMM20, TSV+22, VDD+20, WLH+20, WWW+21, WQL+23, XKF+22, YCS+21, ZJF+22, ZLWL23, ZCY+23, lZWC+20, ZYL+22, ZHY+21]. **aetiological** [SMY+22]. **Aetobatus** [DYN+20]. **affect** [LEV+20]. **affected** [AMM+22, BTP+24, SLPF+20, TMM+24, WAF+21, YGR+24]. **affecting** [PRW24, PS23, THH+21]. **affects** [OBSH24, UMD22, WLTZ21]. **affinis** [JVM+20, WCT+23a]. **Africa** [AONDO24, SLPF+20]. **African** [MDAO22]. **after** [ASF+21, FYH+21, MLHD+23, RKC+23, WQL+23, WCT+23a, XKF+22]. **against** [ASA+20, AABB23, AAZR+20, BAM+23, BIK+21, BMK+20, CZM+22, CCV+24, CLC+22, DXD+21, DZJ+21, GZL+21, GZW+23, HHW+24, HLpSC22, HWG+21, HSH+22, IFIZ22, JØM+20, JKM+20, JRZ+22, KQW+21, LH20, LdAPA+23, LYX+20, LXW+20, LZZ+23, LPGW+22, MPS+22, MKT+21, MR23, NSTS24, NRKK21, PNØ+21, QST+21, RGS+22, RGT+23, REB+20, RTA21, SMY+24, SOE+21, SGW+22, SZH+22, SLH+24, SLA+20, SCX+21, TSV+22, VBL+23, WLK+22, XFL+21, XJZ+22, YZM+21, YGZ+22, YJL+23b, YYS+24, YLW+21, ZSL+24a, ZLWL23, ZDF+23, ZYH+23, ZZL+21, ZWB+23, ZMZ+22, ZSG+23, dCJBG22, dAMHdOCF+23]. **agalactiae** [HSH+22, PHS+20, PTK+21, PSKW22, SWC21, XFL+21, ZYH+23]. **AGD** [EBA+21, FSFS+20]. **age** [LWK20, MFP21]. **agent** [CMM+20, CDJ+23, GYN+24, HRR+24, HSH+22, JDA+20, ZMZ+22]. **agents** [AAZR+20, SMY+22]. **agnathan** [MHYW22b]. **Agreement** [BLJ+21]. **AHLQ20** [CCY+23]. **AHLQ20-01** [CCY+23]. **AHPND** [BGZW22]. **AHPND-causing** [BGZW22]. **aided** [CCG24, GWF+22]. **AKT** [ZZS+24]. **Alabama** [BAT+24]. **alba** [SMP+22a]. **albiflora** [XJM+21]. **albino** [SHS+22a]. **albus** [LFZ+22]. **ALDH7A1** [LFL+21]. **alevin** [ELB21]. **algae** [ZAG+20]. **algal** [GKU21]. **Algerian** [BPA+20]. **alginate** [XJZ+22]. **alginate-chitosan** [XJZ+22]. **alginolyticus** [AEE+23, BCT+20b, FYH+21, LXZ+21, THW+22, ZTY+22]. **allergenic** [AFKK22]. **Allium** [öTTS20]. **alloherpesvirus** [VGW+21]. **alloy** [ZYB+23]. **almost** [BGZW22]. **along** [GLS+21]. **alpha** [FLH+21]. **alphavirus** [ABM+21, MNB+24]. **alpinus** [MHH23]. **alter** [dCJBG22]. **Alteration** [WQL+23]. **Alterations** [SMMM20, AEE+23]. **alternative** [BAM+23]. **altivelis** [THH+21]. **Amantadine** [ZMZ+22]. **Amazon** [dCJBG22]. **amberjack** [PZP+20]. **Ameiurus** [BSS+20, HCC+22]. **America** [EGRD22, TBMP23]. **American** [EGRD22, OHL+20, WZC+24, YCL+21]. **Ameson** [XZS+23]. **amnoonvirus** [SLY+24]. **amoeba** [LHTW21, VWE+23]. **amoebae** [BTP+24, JKM+20]. **amoebic** [BHS+21, CMM+20, EBA+21, FSFS+20, WSS+20]. **among** [CDJ+23, LKV+23, PSH+21]. **Amplicon** [FMK+21]. **amplification** [CMM+20, CCG24, CDJ+23, FCH+22a, GWF+22, HLW+23, KDS+21, PTK+21, PYT+22, PSV+21, QWL+21, TBK+22, WML+21, WCT+23b,

YDM+21, ZHY+21, ZLS+21]. **amplification-based** [HLW+23, ZLS+21]. **Amyloodinium** [LZC+24, ZHL+21]. **anabas** [DDH+22, DDH+22]. **anadromous** [GRM+23]. **anaemia** [AMJ+21, AMB+22, CGA+20, DGB+22, RGH+22, TSS+23]. **anaesthetics** [RCC+21]. **anal** [HSS+24]. **analyses** [CRP+21, LHLS20, MAK+23, YSW+22]. **Analysing** [PNAS22]. **Analysis** [FVC+21, lZWC+20, ABBP24, AOT22, AEE+23, AHSB+22, BLL23, BFH+23, CCY+23, CLH+21, xCqXfL+21, FYH+21, FLH+21, GKTC+21, HWG+21, IHK+22, KSY+23, LFG+23, LYF+21, MIK+24, MBN+22, NSTS24, NNC+23, NLL+21, ØSH+22, PTMC22, PBT+23, PØN+21a, QST+21, RCW+23, RCB+22, SCAH22, SSM+20, SDH22, SRLARG24, TIK+22, TSC+23, ÚPZ+23, WZC+24, WWK+20, XKF+22, YCS+21, ZMZ+23, ZGL+20, ZHpT+20, ZHL+23, ZLZ21]. **Ancyrocephalidae** [IAO20]. **Andrias** [MJX+23]. **anemone** [DNN+22]. **angasi** [BWH+20, BHT+20]. **AngHV** [PEN+21]. **AngHV-1** [PEN+21]. **angiomatosis** [MBF+23]. **angiomatosis-like** [MBF+23]. **Anguilla** [BKM21, PEN+21, PTBSF22, WZC+24, YCL+21, ZWZ+20]. **anguillae** [PEN+21]. **anguillarum** [AGR+22, BRWC23, HSH+20, KKL+22, LJHH23, RCB+22, SDH22, WMS21]. **anguillicaudatus** [ZYZ+20]. **Anguillicola** [BKM21, MNPS23]. **Anguillicoloides** [dYdRFF+23]. **anguillid** [CCG24, dYdRFF+23]. **angustifolia** [SCX+21]. **animal** [AHBE+20, KSY+23, MWY+22]. **animals** [NNC+23]. **Anisakis** [MFP21]. **annual** [CTOH20]. **anomalies** [EGRD22, PDZ+22]. **antagonistic** [ABA+23]. **Antarctic** [FWL+23, QGG+21, VBG+22, SDMO+20]. **anthelmintic** [LdAPA+23, MSF+20]. **anti** [CCV+24, LZZ+23, ZLWL23]. **anti-inflammatory** [ZLWL23]. **anti-parasites** [LZZ+23]. **anti-viral** [CCV+24]. **Antibacterial** [KKL+22, FWL+23, HBRN24, HSH+22, NSTS24, XQZ+22, YJL+23b, ZYZ+20, ZYH+23]. **antibiotic** [DXL+20b, MWH+21, QCZ+22]. **Antibiotics** [DCB20, RCC+21]. **antibodies** [ZDF+23, ZGz+22]. **antibody** [GZZ+22, LWH+21, MPS+22, WWK+20]. **antifungal** [MLL+22]. **antigen** [DXL+20a, ZSL+24a]. **antigen-presentation** [DXL+20a]. **Antigenic** [JXJ+22]. **Antimicrobial** [VLSM+20, ASA+20, AMM+22, GIS+21, HLH+23b, LS24, MBR+22, PLS+22, RBM+22, XFL+21, XJM+21, DBDSP20]. **antioxidant** [CSGB+21]. **Antiparasitic** [ZYB+23, JKM+20]. **Antiviral** [LYX+20, SZH+22, SCX+21, YYS+24]. **aodp** [ZJF+22]. **aortic** [BME+20]. **Aphanomyces** [BTN+24, WBM21]. **apoptosis** [FZC+23, HCW+20, HWC+21, KQW+21, WKL+22, ZYL+22]. **Aposelemis** [KKC+23]. **Application** [PTK+21, ASG+22, AMS+24, CQG+21, CCG24, GZZ+22, LTW+21, LjY+22, MWY+22, SNY+21, WYR+23, YTS22, ZZF+23]. **applications** [SAAB+21]. **approach** [WLK+22]. **approaches** [OKL+22]. **Aptamer** [LXW+20, GYN+24, WLK+22]. **Aptamer-based** [LXW+20].

aptamers [YLW+21]. **aptasensor** [GYN+24]. **aquabirnavirus** [dYdRFF+23]. **aquaculture** [AHCSCI20, BTN+21, CZMP21, DWK+22, DBDSP20, KNG+22, LPGA+21, MHP+20, MIK+24, MPP+20b, PTBSF22, QRTD+22, RCG22, RGS+22, SAAB+21, SMD+20, TPSJS20a, TPSJS20b, ÚPZ+23, VWE+23, WYR+23, ZYB+23, ZOZ+20, FM23]. **Aquareovirus** [LKD+24]. **aquaria** [KSY+23, NLH+20]. **aquarium** [ACGDO+21, JLM+20, LFSB+21, SBVC21, SCS24]. **aquarium-housed** [ACGDO+21]. **aquatic** [LWL+24, MWY+22, NNC+23, RCC+21, ZLS+21]. **aquatilis** [LHLS20]. **Aquimarina** [MSS+20]. **arapaima** [dCJBG22, dCJBG22, dAMHdOCF+23]. **Arctic** [GRM+23, MHH23]. **areas** [SPHM23]. **argenteus** [JZW+23, ZHL+21]. **Argonaute** [WCT+23b]. **Argulidae** [POS+20]. **Argulus** [POS+20]. **argus** [HHW+24]. **armoured** [DDH+22]. **arowana** [LS24]. **art** [BONB20]. **Artemia** [PKF+21]. **arteritis** [BME+20]. **Arthrospira** [BAM+23]. **arugamensis** [MHP+20]. **arylaminoisoquinolin** [VBL+23]. **As-Cathelicidin4** [CZM+22]. **Ascanius** [PDM+21, PGH+21]. **ascO** [ZYL+22]. **Asia** [ZGL+20]. **Asian** [CSDS21, CGK23, GXW+23, PTW21, PPWC20, RBM+22, RKC+23, SSMC22, SKS+24]. **Aspects** [ADAO22]. **assay** [CMM+20, CQG+21, CCG24, KDS+21, LWH+21, lLWC+24, MJX+23, PTP+23, PS23, QWL+21, SCALIAH23, SPS23, SMY+22, SKR+20, TBK+22, TCS21, YLW+21, ZZZ+23]. **assays** [GWF+22, PDM+21, YTS22]. **assemblages** [TBB+21]. **assess** [KH20]. **Assessing** [CDJ+23, LAH21, PAH+22, YYS+22]. **Assessment** [BMJ+21, CMN+20, ASA+20, LPGA+21, NRY+23, NLPM+21]. **associated** [BZP+22, BMJ+21, BMSC21, DYN+20, EBAH24, FMK+21, GKU21, JØM+20, JLM+20, KaVDH+21, KKH+24, LDR+22, LFP+24, MWZ+20, MCP+22, NKS+21, NPP+24, PPDG+22, PEN+21, PTW21, PSH+20, SKR+20, SNT+22, SLE+20, SRP+21, WXM+22]. **association** [Roh22]. **Astragalus** [LDW+23]. **astrocyte** [LHC+22]. **astrocyte-like** [LHC+22]. **asymptomatic** [KBG+23]. **AT-rich** [YLC+21]. **Atlantic** [ABM+21, AFKK22, AMB+22, BHS+21, BRR+23, BFH+23, BMJ+21, BONB20, BFC+23, CWB+20b, CVDO+20, CVDB+21, CdPM+21, DHSM+20, DPLL+21, DMH+21, EBA+21, FSFS+20, FCH+22b, FMP+21, FMH+22, FEH+22, HSS+24, HPR+22, JQT20, JBG+23, JLM+20, KBR+22, KDR+22, KKK+23, LMJ+24, LGP+20, LNK+21, LFL+21, LdL20, MIR+22, MBJ20, MLM+20, MGG22, MBS21, MFP21, MLHD+23, MR23, OBSH24, ØSH+22, PSH+21, PBF+21, PRW24, QRTD+22, RØLW23, RGH+22, RTA21, SCIAH21, SRT+21, SRE+21, SSK23, SVO+22, SST+22, SKR+20, SNT+22, SBVC21, SdSNK+22, SCD+23, TBK+20, TCC+24, UD22, UMD22, WJPS21, WBV+20, WAF+21, WSS+20]. **atlantica** [KKL+22]. **Atresia** [CZMP21]. **attachment** [BONB20]. **attack** [JJZ+22]. **attenuated** [ABM+21, BMK+20, BMSC21, LTW+21, LPGW+22, SMY+24]. **attenuation** [ZJF+22, ZSL+24b]. **atypical** [DCB20, KKL+22, PDM+21, PGH+21]. **AuNP** [KDS+21]. **aurata**

[AEE+23, CSGB+21, CSVG+22, CFGCCE21, FEM+20, FK21, HZFT21, KPC+22, LDC+22, MBN+22, RGT+23]. **auratus** [LYF+21, MHA+20, SCRS+23, WZG+20, YCC+21, MLGRF+20, WWW+21, XKF+22, YJL+23b, ZLWL23]. **aureus** [ZSL+24a, WWW+21]. **aurorubens** [HB20]. **Austrian** [LFSB+21]. **authored** [SNSP+23]. **Autophagy** [LPL22, CZC+22, JPC+21, LPW+20]. **Availability** [MHA+20]. **avirulent** [RGS+22]. **axis** [WQL+23]. **ayu** [THH+21].

b [BME+20, AANY23, GYC+22, NLL+21, WCT+20]. **B-cell** [GYC+22]. **bacillary** [PØN+21a, PØN+21b]. **Bacillus** [CRP+21]. **background** [CCV+24, RGS+22]. **BacMCP** [ZSG+23]. **bacteria** [AABB23, BFC+23, DWY+20, MAK+23, QCZ+22, SRLARG24, SMMM20]. **Bacterial** [MAG24, Tan23, AMM+22, CLC+22, FFB+21, GWL+21, JAC+22, KKBL21, NRKK21, NLL+21, PRC20, PLS+22, QFW+23, SCIAH21, ZWZ+20, ZZL+21, ZLS+21]. **Bactericidal** [ASR+23, VBL+23]. **bacteriological** [LGP+20]. **bacteriophage** [Wel20]. **bacterium** [WHK+23]. **baculovirus** [ZSG+23, CCCC23]. **baerii** [CVFRM+23]. **bagarii** [KNG+22]. **Balancing** [PKF+21]. **ballan** [PDM+21, PGH+21]. **Baltic** [BRCI23, LKV+23, NAPP24, WAF+21]. **bamboo** [MAG24]. **Banggai** [KSG+23]. **Bangladesh** [DDDJ+20, DDHT+22]. **Banyuwangi** [LDR+22]. **Barbodes** [SCS24]. **barbs** [CCP+21, SCS24]. **barramundi** [GKTC+21, KSD+20, SZZ+23]. **barrier** [LHC+22]. **Basal** [SHS+22a]. **based** [CCY+23, GYN+24, HLW+23, LRGAH21, LXW+20, LWT+22, lLWC+24, NAaS+22, NNC+23, NKZ+20, OKL+22, PTP+23, SSMC22, TIK+22, THW+22, WLK+22, WRMT24, YTS22, ZMZ+23, ZZF+23, ZZL+21, ZLS+21, GZL+21, HPR+22, ZLZ21]. **Basibranchial** [PRW24]. **Basin** [SCV+20]. **basR** [SGW+22]. **bass** [BBG21, CYX+22, CCY+23, CSDS21, FFB+21, GWF+22, GZW+23, JXJ+22, JRZ+22, JSZ+23, LDM+20, PPWC20, RBM+22, SSMC22, WBM21, WYR+23, YK21, ZVB+21, SGW+22]. **bath** [AHBE+20, HWM+24, PGH+21]. **baths** [dAMHdOCF+23]. **Bathygobius** [MRM21]. **batomorph** [EGRD22]. **Bay** [PSH+21, VPW+21]. **Bayesian** [LGP+20]. **be** [HLpSC22, KKK+23]. **bean** [RGS+21]. **belly** [GKTC+21]. **belonging** [ZVYD23]. **benign** [SBB21]. **Berg** [SCRS+23]. **bergylta** [PDM+21, PGH+21]. **betaine** [CLC+22]. **betanodavirus** [JVM+20, KPC+22]. **Betta** [SBB21]. **between** [BLJ+21, KSG+23, KSY+23, PTMC22, PAH+22, PNØ+21, PØN+21b, PKF+21, SCIAH21, SPM+20, WSS+20]. **bicirrhosum** [LS24]. **bicuspidata** [MLL+22]. **big** [GKTC+21]. **biliary** [SCD+23]. **bind** [LHTW21]. **binding** [GYC+22, MLGRF+20, WKL+22, TASP+20]. **biochemical** [WSS+20]. **biofilm** [DCB20, FFB+21, HLH+23b, LFA20, LXZ+21, OCS+23, ORV+24, SVP+24, VRC+22]. **biofilms** [PLS+22]. **biofloc** [HBRN24, PDL+23, WGE+24]. **Biokos** [WHK+23]. **biology** [KKH+24, PVCG20]. **biomarker** [WAF+21]. **biomarkers** [ŘB24]. **biosecurity** [LDR+22]. **biosensor** [THW+22]. **biotypes** [FEMMI+23].

Biotyping [RCG22]. **birnavirus** [LYC+20]. **bivalent** [LTW+21]. **bivalve** [MCA+20]. **Bivalvulida** [KRS+20]. **black** [FMK+21, WSW+20, HSG+21]. **bladder** [MNPS23]. **Bleeker** [SAKC20]. **Bloch** [CGK23, GKU21, GKTC+21, KSD+20, PTW21]. **blochii** [ASG+22, AMS+24, YTH+24]. **blood** [LHC+22, MMTD+21]. **blooded** [SFKB+20]. **blue** [AGR+22, LPGA+21, LPGW+22, SLA+20, VGW+21, ZHY+21, ZAG+20]. **bluefin** [WBV+20]. **Boca** [FM23]. **bodies** [SPHM23]. **body** [FK21, PØN+21b, TMM+24]. **Bohemian** [SMD+20]. **Bonamia** [BWH+20, BHT+20]. **Bonaparte** [MCP+22]. **Book** [RM20]. **Boomker** [ADAO22]. **Bosnia** [GVB+21]. **Bostrychus** [DWY+20]. **both** [YYS+24]. **botryosa** [CMLK+22, GMK+21]. **Boxshall** [GLS+21]. **brackish** [TPSJS20b]. **brain** [AMS+24, DHSK+21, JPC+21, LHC+22, LZK+23, MVW+20]. **brama** [APS23]. **branchial** [BME+20]. **brasiliensis** [LXW+21]. **Bravo** [GLS+21]. **Brazilian** [TCC+24]. **bream** [APS23, ENS+23, IHK+22, KPC+22, LjY+22, PDZ+22, REB+20]. **breeding** [PNØ+21]. **brevirostris** [RZTV21]. **brine** [ZVYD23]. **British** [JDA+20, MBJ20]. **broodfish** [WZG+20]. **broodstock** [LdL20, NCA+20, SEL+20]. **brook** [BMJ+21, SCV+20, SEL+20]. **Broussonet** [TCC+24]. **brown** [ASF+21, BSS+20, CDY+20, FSW+21, LNK+21, LFSB+21, SPKS+20, WBB+21]. **brown-marbled** [CDY+20]. **Brunswick** [PSH+21]. **brush** [GXW+23]. **brush-clawed** [GXW+23]. **bryosalmonae** [LKV+23, OSM22a, SSM+21, WBB+21]. **Bucephalidae** [KNG+22]. **bulbosa** [AFKK22]. **bullfrog** [TSC+23]. **bullhead** [BSS+20, FSW+21]. **bumper** [SBVC21]. **Bunodeopsis** [DNN+22]. **burbot** [BMO+20]. **Burchell** [ADAO22, MDAO22]. **burden** [LNK+21]. **buttnerae** [LdAPA+23, SMP+22a].

C [BLJ+21, HHW+24, LWR+20, MWY+20, WWW+21, ZYZ+20]. **C-13326** [HHW+24]. **C-terminal** [WWW+21]. **C-type** [ZYZ+20]. **C.** [LYF+21, YCC+21]. **C6** [KSM+21]. **C6/** [KSM+21]. **CadC** [GWL+21]. **cadherin** [REB+20]. **caecum** [ZDF+23]. **cage** [NHG+23, NKZ+20, PNAS22, SNT+22, WJPS21]. **cage-farmed** [SNT+22]. **cage-level** [WJPS21]. **caged** [YK21]. **cages** [BONB20]. **calcarifer** [CSDS21, CGK23, GKTC+21, GKAS23, KSD+20, PTW21, PPWC20, RBM+22, RKC+23, SZZ+23, SSMC22, SKS+24]. **calculi** [DBC+22]. **California** [GMK+21]. **californiensis** [HRR+24, LHH+22, NKS+21]. **Caligus** [BFC+23, GLS+21, JMA+22, MCA+20]. **callainos** [SHS+22a]. **campbellii** [CCL+24]. **Canada** [JDA+20, JBG+23, JLM+20, MBJ20, RGH+22, VPW+21]. **candidates** [SGW+22]. **cap** [CZJ+23]. **capacities** [IFIZ22]. **capsid** [GYN+24]. **capsular** [RCS+22]. **captive** [DVR+20, HCC+22, IKT+23, RZTV21]. **capture** [GYN+24, MCA+20]. **Carangidae** [SBVC21]. **Carassius**

[KKH+24, MLGRF+20, SCRS+23, WZG+20, WWW+21, WQL+23, XKF+22, YJL+23b, ZLWL23]. **carbohydrate** [WWW+21]. **carcinoma** [SHS+22a, SAKC20]. **card** [PTK+21]. **cardiac** [NKö+21, PRW24]. **cardinalfish** [KSG+23]. **cardiomyopathy** [CdPM+21, FMP+21, FMH+22]. **care** [CMM+20, MAG24]. **caridean** [CZM+22]. **carnivorous** [SVC+21]. **Carnobacterium** [RKL+20, SMP+22b]. **Carolina** [BTN+24]. **Carp** [MPPF21, MPA+21, MPP+20b, PPDG+22, ABBP24, BAS+22, BPA+21, DZJ+21, FAG+22, GZL+21, JJZ+22, KKH+24, LHLS20, LLJ+21, MPP20a, MBF+23, MHA+20, PEś+20, RCW+23, SMC+22, SGR+20a, STB+21, SMMM20, SCRS+23, ÚPZ+23, WQL+23, XKF+22, YGC+20, YJL+23b, YJL+23a, YLW+21, ZZL+21, ZOZ+20]. **carp-derived** [ABBP24]. **Carpathian** [SCV+20]. **carpio** [BAS+22, MBF+23, STB+21, JJZ+22, MPPF21, MPP20a, MPA+21, SMC+22, SGR+20a]. **carrageenin** [CSGB+21, CSVG+22]. **Carrasius** [MHA+20]. **carrier** [LTW+21, SM21]. **Case** [AGH+23, JSW+21, PNØ+21, SGU+21, BTN+24, DVR+20, KRS+20, MLHD+23, PPDG+22, PEś+20]. **cases** [KSG+23]. **caspases** [DWY+20]. **cataract** [DPA+24]. **categorization** [BLJ+21]. **catesbeiana** [TSC+23]. **catfish** [AGR+22, DXD+21, DDH+22, FSW+21, HCC+22, KNG+22, LKD+24, LPGA+21, LPGW+22, MDAO22, OGR+24, PNØ+21, PØN+21a, PØN+21b, SOE+21, SGW+22, SLA+20, VGW+21, YGR+24, YLC+21, ZHL+22, PRC20]. **Cathelicidin4** [CZM+22]. **Cathelicidins** [SLA+20]. **catus** [HCC+22]. **Caudal** [FEM+20, LYF+21, YCC+21]. **caudata** [NK22]. **caught** [KRS+20, VDC20]. **causative** [CMM+20, HRR+24]. **cause** [KKBL21, SPKS+20, WBM21, WCT+20]. **caused** [AONDO24, BTN+24, CSVG+22, DWK+22, DNN+22, GKTC+21, HHJ+21, IKT+23, KKC+23, LWR+20, MBS21, PAS+21, PØN+21a, PØN+21b, PSKW22, TMM+24, ZVB+21, dRRRPSR+21]. **causes** [BHT+20, MLHD+23, TSS+23, ZSL+24b]. **causing** [BGZW22, SPKS+20, XZS+23]. **ccBAX** [YCC+21, FZC+23]. **CD4** [ASF+21]. **CD4-1** [ASF+21]. **CD40** [XFL+21]. **CDC** [VRC+22]. **cDNA** [LZX+23]. **cell** [ABBP24, ASG+22, ASA+20, AMS+24, BBS+20, DWK+22, DGB+22, FSS+21, FAG+22, FSW+21, GSJ+20, GPL+22, GYC+22, HCW+20, JZW+23, JVM+20, KSM+21, LHC+22, LjY+22, LZC+24, LZK+23, LPW+20, LXZ+21, LFZ+22, MWY+22, NRC+23, PBF+21, SHS+22a, SMG+23, WKL+22, YPT+22, YGC+20, YCC+21, ZFC+23, ZSL+24b]. **cell-binding** [GYC+22]. **cell-wall** [HCW+20]. **Cells** [Muf23, ABBP24, CSVG+22, EBBIAH21, FVC+21, FSW+21, HCW+20, HWC+21, JPC+21, LYF+21, NRKK21, PHS+20, SBD21, TASP+20, VBG+22]. **cellular** [CZC+22, WWK+20]. **Center** [SSM+20]. **central** [DDH+22, VLSM+20, DNN+22]. **centres** [PZP+20]. **cepa** [öTTS20]. **cephalus** [RBP+20a]. **cerebralis** [AWF22, KRS+20]. **cereus** [CRP+21]. **Cestoda** [APS23, HSS+24, KBMD21]. **cestode** [IFI+21]. **cestodes** [IFIZ22, KSI+20, KBMD21]. **cf** [KB21]. **CFP** [MHA+20]. **CFP-10**

[MHA+20]. **chain** [SPS23, SMY+22]. **challenge** [BMO+20, EBA+21, HSM+22, IAH21, LWK20, LWL+24, LGJ21, MLL+22, MIR+22, PGH+21, PNØ+21, PØN+21b, QFW+23, XKF+22]. **challenged** [DLS+21, KKL+22, SZZ+23, ZVYD23]. **change** [LNK+21, RSPB22]. **change-driven** [LNK+21]. **changes** [BFH+23, DXL+20b, FEH+22, KAS+24, SST+22, TMM+24, XXX+24]. **Channa** [HHW+24, PHB+23]. **Channel** [ZHL+22, AGR+22, FSW+21, KNG+22, LKD+24, LPGA+21, LPGW+22, OGR+24, SLA+20, VGW+21, YLC+21]. **char** [MHH23, SGU+21]. **character** [ZHpT+20]. **characteristics** [FAG+22, LWL+24]. **Characterization** [BGZW22, CLS+22, FMP+21, FMH+22, LXW+21, LH20, LDC+22, MSS+20, NLL+21, WHC+21, Wel20, WWK+20, ASG+22, AMS+24, AANY23, AMM+22, CYX+22, CVDO+20, CXC+24, CCCC23, CdPM+21, DWY+20, EBELIAH20, ESEI20, ELS+23, FLH+21, GYN+24, GPL+22, HAK+20, JZW+23, KNG+22, KSG+23, KQW+21, KaVDH+21, LCTC20, LFZ+21, LjY+22, LHLS20, LZK+23, LLR+20, MLL+22, MPMB+20, MWY+22, MIC+24, NRY+23, NLPM+21, NGC+23, NKZ+20, PCWC20, QFW+23, RRK+23, RBP+20b, STB+21, VIB+21, WSW+20, WLH+20, YLW+21, ZFC+23, ZDF+23, ZGz+22]. **Charleston** [BTN+24]. **charr** [GRM+23]. **Cheat** [WBM21]. **Chelon** [HZFT21]. **chelonae** [JW22]. **chemicals** [ŘB24]. **Chile** [DMH+21, GLS+21, LGP+20, MIC+24, VIB+21]. **Chilean** [AHCSCI20, AHTCDI20, GIS+21, IVR+23, IMAH21, MSZV+23, SCIAH21]. **chilensis** [IAH21, MCA+20, SCIAH21]. **Chiloscyllium** [MAG24]. **chimeric** [MPS+22]. **China** [DXL+20b, LWR+20, LLR+20, QCZ+22, WSW+20, WLH+20, WXM+22, XZS+23]. **Chindongo** [SHS+22a]. **Chinese** [CXC+24, CRP+21, LFZ+22, MWY+22, SCS24]. **Chinook** [JSW+21, LFP+24, NKS+21, NPP+24, NLPM+21, PPT+20, SST+22]. **Chionodraco** [FWL+23]. **chip** [HLW+23, ZLS+21]. **chitosan** [ASA+20, XJZ+22]. **chloride** [dAMHdOCF+23]. **chlorine** [dAMHdOCF+23]. **chloroquine** [LL21]. **Chloroscombrus** [SBVC21]. **Chlorpyrifos** [YGC+20]. **chondrocranial** [RZTV21]. **chromatic** [ZZZ+23]. **chromatography** [EJH+23]. **Chromatophoroma** [SBB21]. **chronic** [LFP+24, SEL+20, ZBL+23]. **Chryseobacterium** [BMK+20, XXX+24]. **chrysophrii** [RGT+23]. **chrysops** [FFB+21]. **chrysurus** [SBVC21]. **chuatsi** [GPL+22, HWG+21, LZX+23, MWY+22]. **Cichlidae** [IAO20]. **Cichlidogyrus** [IAO20]. **Ciliata** [YY24]. **ciliate** [HHZ+23, JØM+20, TZL+22]. **Ciliophora** [LLR+20]. **circadian** [CCV+24]. **circulation** [DDDJ+20]. **cis}** [YLC+21]. **cis}-element** [YLC+21]. **citratus** [POS+20]. **citric** [YY24]. **CK108** [CLS+22]. **clade** [ZVYD23]. **cladophorae** [ACGDO+21]. **clams** [LYC+20]. **Clarias** [ADAO22, MDAO22]. **clarkii** [BAT+24, HSG+21, RFN+23, SCX+21, ZWX+22, ZLZ21]. **class** [FLH+21, QFW+23]. **clawed** [GXW+23]. **Climate** [LNK+21, RSPB22]. **Clinical** [MBF+23, TMM+24, CRP+21, LCTC20, SHS+22a, SKS+24, JBG+23].

clinically [CGK23]. **ClO** [ZWB+23]. **clonal** [RGS+22, SSP+23]. **cloned** [LZX+23]. **cloning** [FLH+21, YSW+22]. **Clonorchis** [ZGL+20]. **Clostridium** [BZP+22]. **Clupea** [HSH+20]. **clupeaformis** [HKB+22]. **cluster** [ÚPZ+23]. **CMS** [FMP+21]. **Co** [FEMMI+23, IVR+23, ALDMLEM20, CWB+20b, XKF+22]. **Co-existence** [FEMMI+23]. **co-expression** [XKF+22]. **co-infection** [CWB+20b]. **co-infections** [ALDMLEM20]. **Co-occurrence** [IVR+23]. **coagulation** [GKAS23]. **coast** [BPA+20, JBG+23, TCC+24]. **coastal** [MFP21]. **coastlines** [KPC+22]. **coated** [MCM+23]. **cobalt** [SHS+22a]. **cobalt-zebra** [SHS+22a]. **Coccomyxa** [ZAG+20]. **Coccomyxa-like** [ZAG+20]. **cocosensis** [MRM21]. **cod** [AFKK22, BRCI23, WXM+22]. **cohabitation** [BHT+20]. **coho** [TMM+24, KKBL21, PPT+20]. **cohort** [ØSH+22]. **coinfection** [BFC+23, KB21]. **coioides** [FYH+21, HWZ+21, LCYL20, NGC+23, ZWB+23]. **Cold** [SZZ+23, CZC+22, SNT+22]. **coldwater** [KKBL21, SEL+20]. **colistin** [QCZ+22]. **colistin-resistant** [QCZ+22]. **collected** [AMM+22]. **collection** [JBG+23]. **colloidal** [HZFT21]. **colonization** [ZTY+22]. **colonizing** [VWE+23]. **Colorado** [LHH+22]. **coloration** [LWT+22]. **coloration-based** [LWT+22]. **colorimetric** [KDS+21, PTK+21, PSV+21]. **Colossoma** [LdAPA+23]. **colour** [CCV+24]. **Columbia** [JDA+20, MBJ20]. **column** [TBK+20]. **columnare** [BMO+20, ELB21, FFB+21, LFA20]. **combats** [LXZ+21]. **Combined** [FCH+22b, CCG24, FCH+22a, KDS+21, PTP+23, PSV+21, WCT+23b]. **commercial** [PBF+21]. **common** [FAG+22, GZL+21, JJZ+22, MPP20a, MRM21, MPA+21, PEś+20, SMC+22, VDC20, VDD+20, YTH+24, YGC+20, ZZL+21, ZOZ+20]. **commonly** [JW22]. **communities** [KSI+20]. **community** [MWZ+20, TPSJS20a]. **Comparative** [BRCI23, BFH+23, BRWC23, IFIZ22, LFG+23, MAK+23, QST+21, SCAH22, WZC+24, YCS+21, LGJ21, YZM+21]. **compared** [MSF+20]. **Comparison** [HHZ+23, LJK+24, PPWC20, SCIAH21, SSM+21, TBKY20, BMSC21, FSFS+20, RKL+20]. **compatible** [NAaS+22]. **complex** [DXL+20a, FLH+21, QFW+23, RGS+22]. **complexes** [SSP+23]. **compliance** [MMTD+21]. **component** [DZQ+22, FEM+20, HSH+22]. **Composition** [KSI+20, BTN+21, MWZ+20, SGR+20b]. **compound** [HLpSC22]. **compounds** [JKM+20]. **Comprehensive** [AEE+23]. **concentration** [EJH+23, IAH22, POS+20]. **concentrations** [BHS+21, OCS+23]. **Concurrent** [LCCC22, PHB+23]. **condition** [MPP20a, MNPS23]. **conditions** [AHSB+22, BFH+23, HSH+20, PEś+20, QGG+21, WBB+21]. **Confirmatory** [IPC+24]. **conger** [IAH21, SCIAH21]. **congolensis** [MDAO22]. **conjoined** [YWZ+21]. **Consequences** [PPT+20, ALDMLEM20]. **conservation** [PTBSF22, SPHM23]. **consistent** [KMH+21]. **constituent** [SCX+21]. **constraints** [Tan23]. **Construction** [ZWZ+20]. **contaminated** [FSW+21]. **Contracaecum** [BRCI23, VKK+22]. **contribute** [Din21, WWW+21]. **Contribution** [CZJ+23, HWZ+21]. **control**

[HZC+24, MSF+20, SAAB+21, SZH+22]. **controller** [MCA+20]. **conventional** [ÚPZ+23]. **cooking** [CMN+20]. **Copaifera** [MSF+20]. **copepod** [HRR+24, LHH+22, NKS+21, TBB+21, YK21]. **Copepoda** [AONDO24]. **copepodids** [DPLL+21]. **copper** [ZYB+23, ZMZ+23]. **cord** [BBS+20, GPL+22]. **Core** [KSY+23]. **Coregonus** [HKB+22]. **corni** [ACGDO+21]. **corpuscles** [SAKC20]. **correlates** [VFR+23]. **correlation** [GSS+21, PNØ+21]. **correlations** [PØN+21b]. **Cost** [DMH+21]. **Cost-effectiveness** [DMH+21]. **could** [HLpSC22]. **coumarin** [LZZ+23]. **countries** [TNB+22]. **coupled** [GLS+21, PTK+21]. **Cover** [Ano21a, Ano21b, Ano21c, Ano22a, CWB+20a, HLH+23a, MHYW22a, SHS+22b]. **covert** [WLTZ21]. **CPA** [PSV+21]. **crab** [Din21, GXW+23, LLR+20, MSS+20, XZS+23]. **crassum** [HSS+24]. **crassus** [BKM21, MNPS23, dYdRFF+23]. **crayfish** [BBD+22, BAT+24, DBPH21, SCX+21, SFKB+20, ZWX+22, ZLZ21]. **CRC** [FM23, RM20]. **CRediT** [SNSP+23]. **CrERV** [LFZ+22]. **Crete** [KKC+23]. **CRISPR** [NAaS+22, SSMC22]. **CRISPR-based** [NAaS+22, SSMC22]. **Critical** [SYKC23, AHTCDI20, DBPH21]. **croaker** [LWR+20, LLC+21, LCW+24, SJL+23]. **Croatia** [BBD+22, ZOZ+20, ZVB+21]. **crocea** [LWR+20, LLC+21, SJL+23]. **Cross** [BMK+20, LPGW+22, MBJ20, PSV+21, TBK+20]. **cross-priming** [PSV+21]. **Cross-protection** [BMK+20]. **Cross-protective** [LPGW+22]. **Cross-sectional** [MBJ20]. **cross-stitch** [TBK+20]. **crossroads** [PTBSF22]. **crowding** [DPLL+21]. **Crucial** [DYPN22]. **crucian** [LHLS20, MHA+20, WQL+23, XKF+22, YJL+23b]. **Crustacea** [POS+20]. **crustaceans** [JBP24]. **cryopreservation** [TKB+21]. **Cryptocaryon** [xCqXfL+21, DXL+20a, TZL+22, WHK+23, XJM+21, YY24, ZYB+23, ZMZ+23, ZWB+23]. **Cryptocotyle** [DMB+21]. **Cryptosporidium** [SKS+24]. **Ctenopharyngodon** [YJL+23a]. **culture** [BFvG+23, DGB+22, FSS+21, GSJ+20, HBRN24, LGP+20, MHA+20, PTMC22, SZH+22, SJK+21, WGE+24]. **cultured** [AEE+23, BLL23, BMO+20, CRWC22, EBA+21, GMK+21, LJK+24, LWR+20, LH20, MWH+21, MAK+23, NK22, NRY+23, NHG+23, NKZ+20, PHS+20, PSH+20, SJK+21, SRLARG24, SMP+20, SWC21, SKS+24, WSW+20, XZS+23, YTH+24, YCL+21]. **cultures** [NKö+21]. **Current** [MPPF21]. **curvature** [LFP+24]. **curved** [TBK+20]. **Cutaneous** [HCC+22, MBF+23]. **cutthroat** [RFN+23]. **Cuvier** [HB20]. **cuvieri** [WQL+23]. **cycle** [CTOH20, JMA+22, MBJ20, NKö+21]. **cycloancistrium** [dCJBG22, dAMHdOCF+23]. **Cyclopterus** [DPA+24, KKL+22, LdL20, SVO+22]. **CyHV** [ZZZ+23, FZC+23, KKH+24, PEś+20, TBMP23, TR23]. **CyHV-2** [FZC+23, KKH+24]. **CyHV-3** [ZZZ+23, PEś+20, TBMP23, TR23]. **Cymbopogon** [POS+20]. **Cynoglossus** [ZDZZ22]. **Cyprinid** [CLF+22, FZC+23, BAS+22, BDK+21, GZZ+22, KKH+24, LYF+21, MLGRF+20, UCB+21, YCC+21, ZGz+22, ZZZ+23, TBMP23]. **Cyprinidae**

[SMMM20]. **Cypriniformes** [SMMM20]. **Cyprinus** [BAS+22, JJZ+22, MPPF21, MPP20a, MBF+23, MPA+21, SMC+22, SGR+20a, STB+21]. **Cytochrome** [FSW+21]. **cytotoxic** [EBBIAH21, EBAH24, FVC+21, SMD+20]. **Cytotoxicity** [PHS+20, ASA+20, GWL+21]. **Czech** [MPP+20b].

dab [VDC20, VDD+20]. **Dactylogyrus** [LZZ+23]. **daily** [PNAS22]. **Dam** [KKC+23]. **damage** [LXZ+21, SMP+20]. **damaged** [SZZ+23]. **damselae** [PCWC20, ESEI20, WSW+20]. **Dana** [BBD+22, LHH+22]. **danfordi** [SCV+20]. **danger** [DBDSP20]. **Danio** [APK+23, AHBE+20, FdSB+22, JW22, KSS+20, KMH+21, KH20, MSB+21, MVW+20, PKF+21, SSM+20, SKAS+22, SLK+23, WLTZ21]. **Danish** [DvGJK+21]. **DAS-ELISA** [LWH+21]. **data** [DBPH21, Li23, SSM+20]. **davidianus** [MJX+23]. **Dawestrema** [dCJBG22, dAMHdOCF+23]. **dctP** [ZTY+22]. **death** [DNN+22]. **decapod** [GXL+24, JBP24]. **Decapoda** [XZS+23]. **decipiens** [NAPP24]. **decreased** [YGR+24, YY24]. **deep** [OSM22a]. **defence** [VBG+22]. **defensin** [HHW+24, LLC+21]. **defensin-like** [HHW+24]. **definitions** [JSW+21]. **deformities** [MRM21]. **deformity** [PSKW22, TBK+20]. **degenerative** [MPP20a]. **delivered** [NRKK21]. **delivery** [MMTD+21, VRS+24]. **delousing** [WJPS21]. **demonstrates** [WYR+23]. **density** [ORV+24, PSED+20, SMP+20, VSODB21]. **dentex** [MAK+23]. **deoxynivalenol** [LL21]. **dependent** [YGC+20]. **depends** [MPF+24]. **deployable** [SSMC22]. **derivatives** [LZZ+23]. **derived** [ABBP24, DYPN22, JVM+20, LjY+22, LHTW21, LFZ+22, RKL+20]. **dermatitis** [EMH+22]. **dermocystid** [SCV+20]. **Dermocystidiaceae** [SGR+20a]. **Dermocystidium** [SMC+22, SGR+20a]. **Description** [DOW+22, CVFRM+23, DWK+22, SLY+24, ZVB+21]. **descriptions** [ACGDO+21]. **Descriptive** [RGH+22, ØSH+22]. **Desmozoon** [HPR+22]. **destructive** [CSDS21, LdL20]. **detachment** [CVDB+21]. **detect** [HPR+22, SKR+20, ZZF+23]. **detected** [AMJ+21, DDHT+22, IKT+23, LJK+24]. **detecting** [lLWC+24]. **Detection** [CSDS21, LWT+22, MMW+22, NLH+20, CQG+21, CCG24, CDJ+23, CVFRM+23, DMB+21, FCH+22a, GYN+24, GWF+22, GXL+24, HSS+24, HHZ+23, HLW+23, JAC+22, JSZ+23, KDS+21, KPC+22, KDR+22, LDR+22, LWH+21, LCW+24, MJX+23, NAaS+22, OKL+22, PEN+21, PYT+22, PDZ+22, PS23, PSV+21, QWL+21, SNY+21, SKAS+22, SLK+23, SSM+21, SPS23, SMY+22, SM21, SCRS+23, SSMC22, TZL+22, THW+22, TCS21, WCT+23b, WCT+20, WRMT24, YTS22, YLW+21, ZGC+22, ZZZ+23, ZHY+21, ZLS+21]. **determinants** [SCIAH21]. **Determination** [TIK+22, CTOH20]. **determine** [GIS+21]. **determines** [KKBL21]. **Development** [ASG+22, AMS+24, CQG+21, CCG24, FSS+21, GSJ+20, HZFT21, JSZ+23, LWH+21, LGJ21, MWY+22, MJX+23, NK22, PDM+21, PSV+21, QWL+21, SNY+21, SCALIAH23, SMY+22, SMP+22b, TBK+22, TASP+20, TCS21, WCT+20, YTS22, ZFC+23, ZGz+22, ZZF+23, ZZZ+23,

APK+23, DPA+24, FFB+21, LFA20, LH20, MWZ+20, PNØ+21, PKF+21, TCC+24, VDD+20, YLW+21, lZWC+20]. **deviations** [FK21]. **Devriesia** [PAS+21]. **diagnosed** [KRS+20]. **diagnoses** [PTBSF22]. **Diagnosis** [JBG+23, SLY+24, DSD+22, FSFS+20, HZFT21, JAC+22, MHA+20, PTK+21, PTP+23, WML+21, YDM+21]. **Diagnostic** [SHS+22a, FMH+22, JBG+23, LGP+20, LJK+24, PDM+21, SSM+20, SSM+21]. **diagnostics** [CMM+20, ZVB+21]. **dicentrarchi** [NLR21, AHSCEBI23, EBAH24, IAH21, IMAH21, IAH22, SCIAH21]. **Dicentrarchus** [ASNA24, BBS+20, xCqXfL+21, LDM+20, MBN+22, YK21, ZVB+21]. **Dicistro** [HSG+21]. **Dicistro-like** [HSG+21]. **did** [EBA+21]. **Dietary** [LKP+22, YY24, DPA+24, FCH+22b, RGS+21]. **diets** [APK+23, YGR+24]. **Differences** [JW22, SM21, SPM+20, YZM+21]. **different** [AFKK22, AHSCEBI23, BAM+23, FSFS+20, FEH+22, HBRN24, JLH+21, MWH+21, MHP+20, NTB+24, PCWC20, SLPF+20, UD22, WJPS21, YCS+21]. **Differential** [FFB+21, RCC+21, SMG+23, NK22]. **differentiation** [PDM+21]. **differently** [WWW+21]. **Diffuse** [BRR+23]. **diffusion** [BLJ+21]. **Digenea** [KNG+22]. **digest** [LHTW21]. **Digestion** [DMB+21]. **digestive** [KSI+20, KH20, SFKB+20]. **digital** [HHZ+23, JSZ+23, MMW+22, MJX+23, SPS23, ZGC+22, ZZF+23]. **Dimethomorph** [NTB+24]. **Diphyllobothriidea** [KBMD21]. **diploproa** [PAS+21]. **dipstick** [CCG24, PSV+21]. **dipsticks** [FCH+22a]. **directions** [DBPH21]. **disc** [BLJ+21]. **Discocotyle** [LFSB+21]. **discoidalis** [POS+20]. **discovered** [HSG+21, MHYW22b]. **Discovery** [Li23]. **Disease** [TBMP23, öTTS20, ABA+23, BIK+21, BHS+21, BTP+24, CMM+20, CSDS21, CGK23, CTP+23, DWK+22, EBA+21, EMH+22, FSFS+20, GKTC+21, GKAS23, HSG+21, JAC+22, KSD+20, KKBL21, KRS+20, KB21, LMJ+24, LDR+22, LNK+21, LWR+20, LdL20, MPP+20b, NAaS+22, NKö+21, PSV+21, RSPB22, RTA21, SAAB+21, SZH+22, SSMC22, SPM+20, TSS+23, ÚPZ+23, WSW+20, WML+21, WCT+20, WSS+20, YGR+24, YDM+21, YCL+21, YJL+23a, ZGC+22, ZDZZ22, ZVB+21, NRKK21, WAF+21]. **diseased** [BCT+20b, CXC+24, LS24, MLL+22, MAK+23, MSS+20, MIC+24, MBR+22, RKL+20, SLY+24, WZC+24]. **Diseases** [RM20, CLC+22, KSS+20, PTBSF22, Tan23, YTH+24, SNSP+23, NSP20]. **disinfectant** [HZC+24]. **disinfection** [TPSJS20a, TPSJS20b]. **dismutase** [HWC+21]. **disorders** [Din21]. **dispersal** [LDM+20, PSH+21]. **displaying** [LMJ+24, WSW+20]. **Disruption** [ZSL+24b]. **Dissecting** [DHSK+21]. **Disseminated** [GKAS23]. **distantly** [TNB+22]. **distinct** [NGC+23, RCG22]. **distinctive** [BRWC23]. **Distribution** [RBM+22, KRS+20, LKV+23, PVCG20, WWK+20]. **distributions** [WJPS21]. **districts** [DDDJ+20]. **Disturbance** [BBD+22]. **DIV1** [GXL+24]. **diverse** [NLPM+21]. **Diversity** [MIK+24, MBR+22, AHTCDI20, BPA+21, KaVDH+21, PYD+22, PCWC20]. **DNA** [CDJ+23, HPR+22, LDW+23, NLH+20, YGZ+22, ZZL+21].

DNA-based [HPR+22]. **DNAzyme** [THW+22]. **does** [LRGAH21, dCJBG22]. **Dollfustrema** [KNG+22]. **dolomieu** [WBM21]. **Dolops** [POS+20]. **domain** [TASP+20]. **domains** [WWW+21]. **domestic** [TIK+22]. **dominant** [DZJ+21]. **Don** [Now21]. **dorsal** [BZQV21]. **dosages** [RKC+23]. **dose** [WSS+20]. **double** [LWH+21]. **double-antibody** [LWH+21]. **Douëllou** [IAO20]. **downregulates** [ENS+23]. **dracunculid** [DYN+20]. **Draft** [KSD+20]. **driven** [KDHS+23, LNK+21]. **drives** [DXL+20b]. **drop** [CSDS21, KSD+20, PSV+21, SSMC22]. **droplet** [HHZ+23, JSZ+23, MJX+23, SPS23, ZGC+22, ZZF+23]. **drug** [DLS+21, MMTD+21]. **drugs** [LXW+20]. **drum** [dRRRPSR+21]. **Dual** [AWF22, ZLS+21]. **dual-sample** [ZLS+21]. **due** [GMK+21]. **dumerili** [PZP+20]. **Duplex** [ZGC+22, SMP+22b, WML+21]. **duration** [BBG21]. **during** [CVDB+21, xCqXfL+21, GOG+21, GMK+21, IVR+23, JQT20, MBJ20, TCC+24, ZZS+24]. **dye** [LWT+22, ZHY+21]. **Dyková** [SCRS+23]. **dynamics** [BWH+20, LNK+21, LCYL20, LYC+20, SRT+21, SJK+21]. **dysfunction** [YGC+20]. **dysfunctional** [PZP+20]. **dysgalactiae** [MWY+20, ZHpT+20].

E-cadherin [REB+20]. **eagle** [DYN+20]. **Early** [CVDO+20, SLK+23, FMH+22, PDZ+22]. **earthen** [HBRN24, NKZ+20, QCZ+22, XZS+23]. **east** [JBG+23, ZGL+20]. **eastern** [BTN+24, KRS+20, LLR+20, KB21, SPKS+20]. **eBook** [FM23]. **ecology** [TBMP23]. **economic** [NTB+24, Tan23]. **ectoparasites** [CSDS21]. **ectoparasitic** [UD22, UMD22]. **edema** [MPPF21, MPA+21, PPDG+22, ZOZ+20]. **Edited** [FM23, RM20]. **Edition** [Man23, Muf23]. **eDNA** [MMW+22]. **edulis** [CTOH20]. **Edwardsiella** [AGR+22, BRWC23, CLS+22, HWM+24, LTW+21, LPGA+21, LPGW+22, MPS+22, NLPM+21, NHG+23, OGR+24, PNØ+21, PØN+21a, PØN+21b, PRC20, RCB+22, Roh22, SOE+21, SGW+22, SLH+24, THH+21, WCT+23a, YGR+24, YMC+21]. **edwardsiellosis** [SOE+21, SGW+22]. **Edwarsiella** [SLA+20]. **Eel** [DHF+22, BFvG+23, BKM21, IAH21, LFZ+22, MNPS23, PEN+21, SCIAH21, WZC+24, dYdRFF+23]. **eels** [DAW+22, YCL+21, ZWZ+20]. **Effect** [DPLL+21, JJZ+22, LWK20, ORV+24, RTA21, SMY+24, TPSJS20a, VSODB21, WBB+21, WHK+23, ZMZ+23, CLH+21, DHSM+20, EBAH24, HHW+24, LCYL20, NTB+24, PLS+22, QST+21, SMP+22a, UD22, XJZ+22, YYS+22, ZYB+23]. **effective** [HZC+24, MMTD+21, NRC+23, dCJBG22]. **effectiveness** [DMH+21]. **Effects** [BIK+21, CSGB+21, MWH+21, MVW+20, MNPS23, REB+20, WCT+23a, ABA+23, AAZR+20, CLC+22, DvGJK+21, EBBIAH21, FFB+21, FCH+22b, IAO20, LDW+23, MDAO22, RCC+21, SVP+24, SJK+21, SKS+24, YZM+21, YJL+23b, YYS+24]. **Efficacy** [MKT+21, RBP+20a, TSV+22, dAMHdOCF+23, ASA+20, DXD+21, JBB+24, JXJ+22, LJHH23, LZZ+23, LPGW+22, MSF+20, RGS+21, SMY+24, WSS+20, ZLWL23]. **efficiently** [LYZ+22]. **efforts** [LKD+24]. **egg** [SLE+20]. **egg-associated** [SLE+20].

Eggs [öTTS20, ELB21, FdSB+22, ÖTG22]. **EIBS** [TMM+24]. **eight** [KSG+23]. **Eimeria** [SKS+24]. **elasmobranch** [AGH+23]. **electron** [ADAO22, AONDO24, MDAO22, RCS+22, SMMM20]. **electrophoresis** [RCS+22]. **Eleginops** [QGG+21, SDMO+20]. **element** [YLC+21]. **elevated** [FCH+22b]. **elicited** [MPS+22]. **ELISA** [LWH+21]. **Elizabethkingia** [TSC+23]. **Elucidation** [MLGRF+20]. **Elumalai** [FM23]. **elute** [PTK+21]. **Emergence** [LFSB+21, SSP+23]. **emerging** [AANY23, CMLK+22, DWK+22, IMAH21, WAF+21]. **enables** [BRWC23]. **encapsulated** [XJZ+22]. **Encapsulation** [BKM21]. **encephalopathy** [BPA+20, ZMZ+22]. **encoded** [CLF+22, MLGRF+20]. **encoding** [DZJ+21, FVC+21]. **endemic** [BPA+20, TBMP23]. **endoparasitic** [MMTD+21]. **endopeptidase** [WHC+21]. **endothelial** [SBD21]. **energy** [FCH+22b]. **enhance** [DZJ+21, GWL+21, JXJ+22, PDL+23, SLA+20]. **enhancement** [YJL+23b]. **enhances** [CZM+22, LKP+22, XJZ+22]. **enhancing** [LDW+23, WGE+24, ZLWL23]. **enrichment** [PTP+23]. **Enteritis** [PTW21, EMH+22]. **Enterobacter** [LS24]. **Enterocytozoon** [LCCC22, SAB+22, WML+21, ZGC+22]. **Enteromyxum** [LJK+24, PSED+20, REB+20, SJK+21]. **Enterospora** [lLWC+24]. **entry** [LDM+20]. **environment** [CZC+22, HHZ+23]. **Environmental** [AEE+23, THH+21, Tan23, KSY+23, LDR+22, NLH+20, SPS23, WRMT24, YPT+22]. **environments** [Roh22]. **EnvZ** [DZQ+22]. **EnvZ/OmpR** [DZQ+22]. **enzymatic** [NNC+23]. **enzyme** [LWH+21]. **enzyme-linked** [LWH+21]. **enzymes** [FVC+21]. **Eoacanthocephala** [SMP+22a]. **epidemic** [MSZV+23]. **epidemiological** [IHK+22, NNC+23]. **Epidemiology** [OHL+20, SPHM23, RGH+22, ÚPZ+23]. **epidermal** [ASR+23, HBRN24]. **epidermis** [SMMM20]. **Epigallocatechin** [ZWX+22]. **Epigallocatechin-3-gallate** [ZWX+22]. **Epilithonimonas** [MIC+24]. **epinepheli** [lLWC+24]. **Epinephelus** [BPA+20, CDY+20, FYH+21, HWZ+21, LCYL20, NGC+23, ZWB+23]. **Episode** [MCP+22]. **Epistylis** [KB21]. **epithelial** [LPW+20, SMG+23]. **Epitheliocystis** [DDH+22, QRTD+22]. **epitheliotropic** [HCC+22]. **epitope** [DZJ+21, JXJ+22, MPS+22]. **epitopes** [GYC+22]. **Epizootic** [SBVC21, BTN+24, SPHM23, WBM21]. **erectus** [BME+20, EMH+22]. **Ergasilidae** [AONDO24]. **Eriocheir** [MLL+22, Din21]. **erm** [AANY23]. **Erysipelothrix** [CCP+21]. **erythrocyte** [ŘB24]. **erythrocytic** [TMM+24]. **erythropterus** [CRWC22]. **esculin** [SZH+22]. **Essential** [ZYL+22, ÖTG22, POS+20, SMP+22a, TR23, ZHL+22]. **established** [JVM+20]. **Establishing** [PRC20]. **Establishment** [GPL+22, GWF+22, GXL+24, JZW+23, LHC+22, LjY+22, LZC+24, LZK+23, lLWC+24, YDM+21]. **Estimates** [PNØ+21]. **Estimating** [PSH+21, WJPS21]. **estimation** [LGP+20, YK21]. **Eubothrium** [HSS+24, IFI+21]. **Eudontomyzon** [SCV+20]. **European** [BKM21, BBS+20, DAW+22, DHF+22, LDM+20, MNPS23, PSPP+22, SVO+22, SMP+20, ZVB+21, dYdRFF+23]. **EUS** [BTN+24, SPHM23].

evaluating [JRZ+22]. **Evaluation** [FEH+22, HBRN24, IAH22, MCM+23, SGW+22, SCX+21, VBL+23, CLS+22, GWF+22, HZFT21, JKM+20, RGT+23, SLPF+20, SFKB+20, FSS+21]. **EVE** [dYdRFF+23]. **events** [KKH+24]. **EVEX** [dYdRFF+23]. **Evidence** [EBBIAH21, KBG+23, AHSCEBI23, HZC+24, LRGAH21, MLM+20, WZG+20, dRRRPSR+21]. **evolution** [LGH+21]. **Examples** [RCC+21]. **excelsa** [BIK+21]. **exclusion** [EJH+23]. **exclusive** [RCG22]. **exhibits** [YYS+24]. **existence** [EBBIAH21, FEMMI+23]. **existing** [DBPH21]. **exitiosa** [BWH+20, BHT+20]. **Exogenous** [HLH+23b, LGH+21]. **Exophiala** [ACGDO+21]. **exophthalmia** [HB20]. **exoskeletal** [DYPN22]. **exoskeletal-derived** [DYPN22]. **Expansion** [AHCSCI20]. **Experimental** [BHS+21, CTOH20, HZC+24, IAH21, KBMD21, SVO+22, SFKB+20, BMO+20, DvGJK+21, LWK20, LPL22, PSED+20, PPWC20, QGG+21]. **experimentally** [DHSK+21, ESEI20, KKL+22]. **explains** [GKAS23]. **exposed** [KBG+23]. **Exposure** [CZC+22, ASF+21, BHS+21, MBS21, NGC+23, PSED+20, SST+22]. **Expression** [FYH+21, YCC+21, ASG+22, AMS+24, AFKK22, BMSC21, FLH+21, FZC+23, JPC+21, JJZ+22, KBR+22, OBSH24, WGE+24, XKF+22, YMC+21, ZWZ+20]. **expressional** [YSW+22]. **extracellular** [EBBIAH21, TR23]. **extract** [BIK+21, NSTS24]. **extracted** [WHK+23]. **extracts** [LYX+20]. **extragonadal** [PK24]. **Extreme** [SMC+22]. **Eye** [DvGJK+21]. **eyed** [ELB21].

f [LYX+20]. **facilitating** [LDO+21]. **Facilities** [NSP20, KSS+20]. **factor** [BCT+20b, GPC22, SCAH22]. **Factors** [JLM+20, AEE+23, BRWC23, CCY+23, FVC+21, LDR+22, THH+21, WMS21, lZWC+20]. **failure** [NCA+20]. **family** [LGH+21]. **Fan** [JBP24]. **fancy** [SLY+24]. **far** [SRN20]. **farm** [IVR+23, PTMC22, YDM+21]. **farmed** [AMJ+21, BRR+23, BFH+23, CGK23, DNN+22, ELS+23, FEMMI+23, FEH+22, GVB+21, GLS+21, HSS+24, IMAH21, JSW+21, KAS+24, KDR+22, KKK+23, LGP+20, LCTC20, LLR+20, MBJ20, MIC+24, MBS21, OSM+22b, ØSH+22, PEN+21, PYD+22, PTK+21, PAH+22, PVCG20, PRHW21, PHB+23, RBM+22, RBP+20a, RØLW23, RTA21, SNT+22, SRP+21, TBK+20, VIB+21, ZVB+21, dRRRPSR+21]. **farming** [PNAS22, SSP+23]. **farms** [AHTCDI20, BTP+24, BWH+20, CTP+23, DOW+22, DDDJ+20, DMH+21, GIS+21, MSZV+23, PSPP+22, PBF+21, QCZ+22, RGH+22]. **fasciatus** [ENS+23]. **Fast** [BFvG+23, THW+22]. **fathead** [HCW+20, HWC+21, LL21]. **fatty** [HLH+23b]. **features** [BRWC23, VFR+23, XJM+21]. **feed** [LL21, MCM+23, RKC+23, SVP+24]. **Feeding** [BBG21, MCA+20, SMP+20]. **feeds** [BAM+23, HBRN24]. **female** [HHW+24, PZP+20, SLA+20]. **females** [FdSB+22]. **Fenneropenaeus** [ZHL+23]. **ferric** [WZC+24]. **fertilization** [FdSB+22]. **FHM** [HWC+21]. **Fiala** [SCRS+23]. **Field** [SPM+20, AMB+22, CQG+21, LFZ+22, RCS+22, RGT+23, SSMC22, DvGJK+21]. **field-deployable** [SSMC22]. **fighting**

[SBB21]. **film** [QCZ+22]. **film-lined** [QCZ+22]. **filter** [MCA+20]. **filter-feeding** [MCA+20]. **filtrate** [MHA+20]. **Fin** [SMP+20, BZQV21, FEM+20, LYF+21, YCC+21]. **findings** [CVFRM+23, JBG+23]. **Finland** [ELS+23]. **finnmarkense** [NLR21, SNT+22]. **First** [BAS+22, BLL23, CRWC22, CVFRM+23, CCL+24, DGB+22, GYC+22, HKB+22, LHLS20, NAPP24, NRY+23, PEN+21, RBP+20b, SSK23, SAB+22, VIB+21, VDC20, XZS+23, YWZ+21, ZVB+21, ZAG+20, dRRRPSR+21, ACGDO+21, KPC+22, KRS+20, SCRS+23, ZDF+23, GVB+21]. **Fish** [NSP20, SNSP+23, ASA+20, AANY23, ASR+23, ACGDO+21, AHSCEBI23, BFH+23, BCT+20b, CSE21, DBDSP20, DCB20, DvGJK+21, DMB+21, EBELIAH20, ELS+23, FSS+21, GPC22, GPL+22, HWG+21, IFI+21, IFIZ22, JZW+23, KKC+23, KBG+23, KaVDH+21, KBMD21, LAH21, LjY+22, Li23, LZC+24, LZK+23, LH20, LHTW21, MMTD+21, MWY+20, MPMB+20, MRM21, MQK+20, MIK+24, MCM+23, MHYW22b, MCA+20, NLPM+21, PBT+23, PAH+22, PCWC20, PSED+20, PVCG20, QGG+21, RCS+22, ŘB24, RKL+20, SCALIAH23, SBS+22, SKO21, SSM+21, SBD21, SPS23, SBB21, SPHM23, SBVC21, Tan23, VBG+22, YPT+22, YJL+23b, ZGL+20, ZCY+23, ZDZZ22, dCJBG22, dRRRPSR+21, FM23, Muf23, RM20]. **fish-to-fish** [PSED+20]. **fisheries** [CZMP21]. **fishes** [CZMP21, DNN+22, DŽR+21, MBR+22, SVC+21]. **five** [ASG+22]. **fjord** [LEV+20]. **FL** [FM23]. **flagellar** [CZJ+23]. **flagellin** [CLS+22]. **flavescens** [ZYH+23]. **Flavobacterium** [AHTCDI20, AHBE+20, AWF22, BMK+20, BMO+20, BMJ+21, BMSC21, CVFRM+23, ELB21, FFB+21, HKB+22, HSM+22, IVR+23, KKBL21, LFA20, LPL22, MIR+22, NHG+23, VFR+23]. **flgJ** [LDW+23]. **Florfenicol** [IMAH21, OGR+24, OCS+23, ORV+24, RCC+21, RKC+23]. **flounder** [CLC+22, LFZ+21, SJK+21]. **flow** [CCG24, FCH+22a, LWT+22, PSV+21, QRTD+22, ZZZ+23]. **flow-through** [QRTD+22]. **fluctuations** [AEE+23]. **fluke** [DvGJK+21, RGT+23]. **fluorescence** [IKT+23, TBB+21]. **fluorogenic** [ZLS+21]. **fluviatilis** [KSI+20, SMP+20]. **focal** [BFH+23]. **focusing** [SCIAH21]. **follicles** [CZMP21]. **following** [CDY+20, LWK20, LWL+24, OGR+24, WJPS21]. **fontinalis** [BMJ+21, SEL+20]. **food** [BTN+21]. **formalin** [LJHH23, MKT+21, RBP+20a, ZLY+22]. **formalin-inactivated** [LJHH23, RBP+20a]. **formalin-killed** [MKT+21, ZLY+22]. **formation** [DCB20, HLH+23b, OCS+23, PLS+22, SVP+24]. **formed** [ORV+24]. **forms** [VRC+22]. **Forsskål** [CDY+20]. **fortis** [EMH+22]. **Fouquet** [PYD+22]. **four** [NGC+23, RGH+22, SLK+23]. **France** [BPA+21]. **Francis** [RM20]. **Francisella** [CQG+21, PPWC20]. **free** [FdSB+22, LWT+22]. **frequencies** [ŘB24]. **freshwater** [APS23, ABA+23, ASR+23, DBPH21, DvGJK+21, GOG+21, HRR+24, JKM+20, KaVDH+21, MWH+21, MIK+24, MBR+22, PBF+21, QRTD+22, SVC+21, SAB+22, TAK+21, ZWX+22]. **fry** [MIR+22]. **FTA** [PTK+21]. **fugu** [LJK+24]. **function**

[GYC+22, TASP+20, VBG+22, WHC+21, XKF+22, YLC+21, ZZS+24]. **Functional** [KQW+21, JXJ+22, LLC+21, NLL+21, QFW+23, YSW+22]. **functions** [FMK+21, WWW+21]. **Fundy** [PSH+21, VPW+21]. **Fungal** [öTTS20]. **fungus** [MIK+24]. **fungus-like** [MIK+24]. **furcatus** [AGR+22, SLA+20, YGR+24]. **furiosus** [WCT+23b]. **Further** [PSPP+22, ABBP24]. **furunculosis** [HRR+24, LH20]. **Fusarium** [BME+20]. **fuscoguttatus** [CDY+20]. **Fustvatnet** [MHH23]. **future** [DBPH21].

G. [MHH23]. **Gadus** [AFKK22]. **gain** [AKR+21]. **galectin** [NLL+21, WWW+21]. **galectin-9** [WWW+21]. **galectin-related** [NLL+21]. **gallate** [ZWX+22]. **galU** [SJL+23]. **Gambusia** [BTN+24, JVM+20, WCT+23a]. **gangliocytoma** [SAKC20]. **Ganoderma** [LDW+23]. **GapA** [GYC+22]. **gariepinus** [ADAO22, MDAO22]. **Garlic** [öTTS20]. **garvieae** [AANY23, AOT22, BLL23, BHEM21, KBG+23, NRY+23, RBP+20a, RCS+22]. **gastroenteropathy** [BZP+22]. **gastrointestinal** [AABB23, KSI+20]. **gel** [RCS+22]. **Gene** [AFKK22, KBR+22, ASG+22, AMS+24, BMSC21, CGA+20, CRP+21, CZJ+23, FSW+21, FMK+21, FLH+21, GZW+23, HWZ+21, LFZ+21, OBSH24, SJL+23, SDMO+20, TAK+21, TCS21, WGE+24, YZL+23, YMC+21, ZJF+22, ZTY+22, ZSL+24b]. **generated** [SMC+22]. **Generation** [GZZ+22, YLW+21, HAK+20]. **genes** [CLS+22, DXL+20a, ENS+23, FVC+21, JJZ+22, LFA20, RRK+23, RKL+20, ZHL+22]. **Genetic** [AMM+22, BPA+21, GLS+21, KSG+23, KaVDH+21, LPGA+21, NLPM+21, PYD+22, PØN+21a, PØN+21b, WMS21, ELS+23, FEM+20, MLL+22, MR23, PNØ+21, Roh22, RBP+20b]. **Genetically** [ABM+21, TNB+22]. **Genital** [IKT+23]. **genogroup** [ABBP24]. **genogroups** [TBKY20]. **Genome** [CLH+21, RKL+20, CCY+23, HAK+20, IHK+22, KSD+20, MAK+23, Roh22, SCIAH21, SKR+20]. **Genome-wide** [CLH+21, RKL+20, Roh22]. **Genomic** [RRK+23, VFR+23, AANY23, CCCC23, LS24, LHLS20, LFG+23, MIC+24, SCAH22, YCS+21]. **Genomics** [KDHS+23, BRWC23]. **Genomics-driven** [KDHS+23]. **genomovar** [SNT+22]. **genotoxic** [ŘB24]. **Genotype** [CRP+21, KPC+22, LCCC22, NNC+23, PPT+20, SWC21]. **genotypes** [KKBL21]. **Genotypic** [PCWC20, TSC+23, NKZ+20, RCB+22]. **Genotyping** [RCS+22, ASNA24, DDTG+21, SNY+21, SSP+23]. **genus** [BPA+20, IFIZ22, WHK+23]. **Genypterus** [IAH21, SCIAH21]. **geographic** [KRS+20]. **geographical** [RCS+22, SLPF+20]. **germ** [BBS+20]. **GGIV** [GSJ+20]. **Ghats** [VKK+22]. **ghost** [ZZL+21, ZLY+22]. **ghost-based** [ZZL+21]. **Giant** [PHB+23, ABA+23, GSJ+20, PEN+21, SRP+21]. **gibel** [SCRS+23]. **gibelio** [KKH+24, LYF+21, SCRS+23, WZG+20, YCC+21]. **gigas** [dCJBG22, dAMHdOCF+23]. **Gill** [JKM+20, BHS+21, BTP+24, CMM+20, CVDB+21, CTP+23, EBA+21, FSFS+20, LZC+24, LHTW21, LPW+20, ØSH+22, PPDG+22, RGT+23, WSW+20, WSS+20, XJM+21, YCL+21]. **gill-related** [ØSH+22]. **gills**

[xCqXfL+21, IAO20, PBF+21, VWE+23]. **gilthead** [CSGB+21, CSVG+22, CFGCCE21, KPC+22, LDC+22, RGT+23, REB+20, AEE+23, FEM+20, FK21]. **ginbuna** [MHA+20]. **ginsengisoli** [MIC+24]. **glochidiosis** [CVDO+20]. **glucan** [RGS+21]. **glutamyl** [WHC+21]. **Gobiidae** [MRM21]. **gold** [GYN+24, HZFT21, KDS+21, SCS24]. **gold-nanoparticle-based** [GYN+24]. **golden** [HZFT21, YTH+24]. **goldfish** [MLGRF+20, SMY+24, ZLWL23]. **Gonadal** [SCS24, STB+21]. **goramy** [GSJ+20, SRP+21]. **gourami** [GSJ+20, SAKC20, SRP+21]. **gracilis** [SMP+22a]. **Gram** [PLS+22]. **Gram-negative** [PLS+22]. **granulocytes** [CSVG+22]. **granulomatous** [ZBL+23]. **graphene** [THW+22]. **grass** [LLJ+21, YJL+23a, YLW+21]. **Great** [HKB+22, SPHM23]. **greater** [PZP+20]. **Greece** [KKC+23]. **Greek** [BIK+21]. **green** [QST+21]. **grey** [HZFT21, RBP+20a]. **gross** [GSS+21]. **Group** [MWY+20, RM20, CRP+21, XQZ+22]. **grouper** [CDY+20, DXL+20a, FYH+21, LDW+23, LYX+20, lLWC+24, LCYL20, NGC+23, ZWB+23]. **groupers** [BPA+20, MHP+20]. **grow** [ABBP24]. **grown** [AHSB+22]. **growth** [FFB+21, FCH+22b, LKP+22, LAH21, PØN+21b, SVP+24, SMP+20]. **Guichenot** [IAH21]. **Gulf** [ZAG+20]. **guppies** [SLY+24]. **guppy** [Li23]. **gut** [IFIZ22, WQL+23]. **Gyrodactylus** [MHH23].

habitat [LEV+20]. **haematocrit** [YGR+24]. **Haematology** [MBN+22, CGK23]. **haematopoietic** [SMY+24]. **haemocyte** [ZLZ21]. **haemorrhagic** [AKR+21, AAZR+20, ASF+21, BAM+23, CCV+24, DXD+21, HAK+20, LL21, TBK+22, UCB+21, YCL+21]. **hainanensis** [MSS+20]. **halioticida** [CQG+21]. **hamatus** [FWL+23]. **Hamilton** [APK+23, KSS+20, KMH+21, SSM+20, SKAS+22, SLK+23]. **handling** [DPLL+21]. **haplotype** [BME+20]. **Harbor** [BTN+24]. **harbouring** [AANY23, RKL+20]. **hard** [LYC+20]. **Hardback** [RM20]. **harvest** [PØN+21b]. **harvested** [JBG+23]. **Harveyi** [ZVYD23, CDY+20, DXL+20b, GZW+23, LDW+23, NSTS24, Roh22, SZZ+23, WZC+24, ZDZZ22]. **harveyi-infected** [ZDZZ22]. **hatcheries** [DDDJ+20]. **hatchery** [MSS+20]. **HCHO** [ZWB+23]. **HDPE** [QCZ+22]. **head** [EBAH24, SDH22]. **headwaters** [BTN+24]. **healing** [CFGCCE21]. **Health** [FM23, NSP20, BTN+21, JZW+23, KSS+20, KH20, MIK+24, MNPS23]. **healthy** [CGK23]. **heart** [FCH+22b, SKR+20]. **heat** [MKT+21]. **heat-killed** [MKT+21]. **heavy** [KKC+23]. **hemagglutinin** [CGA+20]. **Hematodinium** [GXW+23]. **Hematologic** [KAS+24]. **hematopoietic** [UCB+21]. **heme** [WKL+22]. **heme-binding** [WKL+22]. **Hemigrapsus** [GXW+23]. **hepatic** [PDG+24]. **hepatitis** [KAS+24]. **hepatopancreatic** [LCCC22, NAaS+22, WML+21, WCT+20, YDM+21, ZGC+22]. **hepatopancreatitis** [BBD+22]. **hepatopenaei** [LCCC22, SAB+22, WML+21, ZGC+22]. **Hepatospora** [Din21]. **heritable** [MGG22]. **Hermetia** [BAM+23]. **herpesviral** [GKAS23, SMY+24].

herpesvirus
[AAZR+20, BAS+22, BDK+21, CLF+22, CCG24, EJH+23, FZC+23, GZZ+22, KKH+24, LYF+21, MLGRF+20, TBMP23, ÚPZ+23, UCB+21, WWK+20, YCC+21, YLC+21, ZGz+22, ZZZ+23, ZOZ+20, dYdRFF+23, PEN+21]. **herring** [HSH+20]. **Herzegovina** [GVB+21]. **heterogeneity** [SCAH22]. **heterogeneous** [IVR+23]. **heterologous** [LPGW+22, NLPM+21]. **hif** [JJZ+22]. **High** [MMTD+21, SdSNK+22, GLS+21, LXW+20, MMW+22, ORV+24, RBM+22, SZZ+23, SPKS+20, WLK+22]. **high-density** [ORV+24]. **high-throughput** [LXW+20]. **highlands** [VLSM+20]. **highlights** [RGS+21]. **highly** [CGA+20, LJHH23, SGU+21, SCRS+23]. **hillstream** [VKK+22]. **hint** [ZDZZ22]. **Hippocampus** [BME+20, EMH+22]. **histochemical** [SGR+20b]. **histochemistry** [KH20]. **histocompatibility** [DXL+20a, FLH+21, QFW+23]. **Histological** [STB+21, FEH+22, SLPF+20, ZWB+23]. **Histology** [Muf23, SKAS+22]. **Histopathological** [DWK+22, BLL23, DSD+22, ESEI20, SST+22, SHS+22a, SMMM20, TMM+24, GSS+21]. **Histopathology** [DŽR+21, BRCI23, MHP+20, MBJ20]. **hly** [TSV+22]. **Hofer** [KRS+20]. **hogansi** [WBV+20]. **holbrooki** [BTN+24]. **home** [SCS24]. **homogeneity** [GLS+21]. **homolog** [LLC+21, WHC+21, ZSL+24b]. **homoserine** [LRGAH21]. **honghuensis** [WZG+20]. **honokiol** [JRZ+22, YYS+24]. **Hook** [LYX+20]. **Horizontal** [QGG+21]. **Host** [KKBL21, APS23, BDK+21, IFIZ22, LKV+23, SSP+23, TBMP23]. **Host-specific** [KKBL21, SSP+23]. **hosts** [AHCSCI20, BONB20, LNK+21, NLPM+21]. **housed** [ACGDO+21]. **HPR** [CGA+20, DOW+22]. **HPR0** [DGB+22]. **HPR0-like** [DGB+22]. **human** [RSPB22]. **humicola** [LWK20]. **Hungary** [SCV+20, SVC+21, SMC+22, SCRS+23]. **HY9901** [ZTY+22]. **hybrid** [AGR+22, BFH+23, FFB+21, HHW+24, KDS+21, LPGA+21, SLA+20, VGW+21, YGR+24, ZSL+24a]. **hybridization** [GKTC+21, HPR+22, IKT+23]. **hybrids** [LPGW+22]. **hydriforme** [OHL+20]. **hydrochloride** [LdAPA+23]. **Hydrogen** [VPW+21, WSS+20]. **hydrophila** [ASR+23, CZM+22, DLS+21, DZQ+22, JJZ+22, KQW+21, KB21, MQK+20, QWL+21, SMMM20, TSV+22, WWW+21, WQL+23, XKF+22, ZLWL23, ZCY+23, lZWC+20]. **hydroxyl** [LYZ+22]. **hydroxynaphthol** [ZHY+21]. **hyperostosis** [TCC+24]. **hyperthermal** [PEś+20]. **hypophthalmus** [DXD+21, PNØ+21, PØN+21a, PØN+21b, PRC20].

I. [YGR+24]. **icefish** [FWL+23]. **Ichthyobodo** [KKC+23]. **Ichthyophonus** [SdSNK+22]. **Ichthyophthirius** [HHZ+23, JØM+20, PYD+22, QST+21]. **ictaluri** [LPGW+22, MPS+22, NHG+23, OGR+24, PNØ+21, PØN+21a, PØN+21b, PRC20, SLA+20, THH+21, YGR+24]. **ictaluri-induced** [THH+21]. **Ictalurid** [YLC+21]. **Ictalurus** [AGR+22, KNG+22, LKD+24, OGR+24, SLA+20, YGR+24]. **ideal**

[PTBSF22]. **idellus** [YJL+23a]. **identical** [BGZW22, BFH+23]. **Identification** [BTP+24, CYX+22, CCCC23, DAW+22, EBELIAH20, ELS+23, FWL+23, HCW+20, HWC+21, LTW+21, LFZ+21, WBM21, WKL+22, ZSL+24a, BLL23, BFvG+23, BRWC23, CXC+24, DMB+21, GYC+22, LLC+21, NK22, NRY+23, RRK+23, SCALIAH23, SSK23, TBB+21, XXX+24, YSW+22, ZDF+23, ZHpT+20, QFW+23]. **identified** [KSG+23]. **identifies** [WLK+22]. **Identifying** [ZZS+24, KPC+22]. **Idiopathic** [BBD+22]. **IgZ** [FYH+21]. **IHHNV** [IPC+24]. **II** [AANY23, DXL+20a, QFW+23, SLE+20, ZWZ+20]. **II**α[**QFW+23**].**Illicium**[**LYX+20**].**illucens**[**BAM+23**

jack [**MAK+23**]. **jandaei** [**CXC+24**]. **Japan** [**AANY23, IHK+22**]. **Japanese** [**LFZ+21, ZWZ+20**]. **japonica** [**ZWZ+20**]. **japonicus** [**AONDO24, Cow20**]. **jaw** [**SVP+21**]. **jellyfish** [**MBS21**]. **Journal** [**SNSP+23, NSP20**]. **juniper** [**BIK+21**]. **Juniperus** [**BIK+21**]. **juvenile** [**BZP+22, CGK23, CVFRM+23, JLM+20, KKK+23, LdAPA+23, MKT+21, NKS+21, OSM+22b, PGH+21, PTW21, PSKW22, SKS+24**]. **juveniles** [**PDZ+22, YGR+24**].

Kamchatka [**SGU+21**]. **Kariba** [**BHEM21**]. **kasB** [**ZSL+24b**]. **kauderni** [**KSG+23**]. **Kavango** [**SPHM23**]. **KCL** [**LHLS20**]. **KCL-5** [**LHLS20**]. **kDa** [**AHSB+22, SCAH22**]. **key** [**JMA+22, PSED+20, QST+21**]. **KHV** [**BDK+21, LWH+21**]. **kidney** [**EBAH24, JAC+22, KSG+23, LNK+21, LFZ+22, RSPB22, SDH22, SRP+21, SPM+20, ZSG+23**]. **kill** [**KKC+23**]. **killed** [**MKT+21, ZLY+22**]. **Kim** [**FM23**]. **Kinetics** [**ASF+21, KBMD21**]. **kisutch** [**KKBL21, PPT+20**]. **Klebsiella** [**LWL+24**]. **knifejaw** [**LZK+23**]. **knowledge** [**MPPF21**]. **Koi** [**ZOZ+20, AAZR+20, BAS+22, BDK+21, EJH+23, MBF+23, SGR+20a, STB+21, ÚPZ+23, WWK+20, BAS+22, MBF+23, SMC+22, SGR+20a, STB+21**]. **Kokanee** [**LHH+22**]. **Korea** [**CCL+24, HAK+20, LJK+24, LH20, NK22**]. **Krabbe** [**MFP21**]. **Krøyer** [**DPLL+21**]. **kroyeri** [**YK21**]. **KT** [**CLF+22**]. **Kudoa** [**MMW+22**]. **kuruma** [**Cow20**].

L [**SVO+22, DPA+24, MPP20a, PRW24**]. **L.** [**BRR+23, CdPM+21, DPLL+21, DHSK+21, FSFS+20, FCH+22b, FEM+20, FK21, FMP+21, FMH+22, FEH+22, JBG+23, KSI+20, KDR+22, LGP+20, LPL22, MIR+22, MNB+24, MBJ20, MLM+20, MFP21, MLHD+23, MHH23, ØSH+22, PSH+20, RØLW23, SMC+22, SMP+20, SCD+23, TBK+20, WAF+21**]. **L3** [**AFKK22**]. **label** [**LWT+22**]. **label-free** [**LWT+22**]. **Labeo** [**SMMM20, TSV+22**]. **Laboratory** [**NKS+21, DŽR+21, HSH+20, JBG+23, KMH+21, WBB+21**]. **laboratory-reared** [**DŽR+21**]. **Labrador** [**RGH+22**]. **labrax** [**ASNA24,**

BBS+20, xCqXfL+21, LDM+20, MBN+22, YK21, ZVB+21]. Labrus [PDM+21, PGH+21]. lac [LWT+22]. Lacepede [ASG+22]. Lack [MLM+20]. lactate [TCS21]. lactic [AABB23]. lactococcosis [SMY+22]. Lactococcus [AANY23, AOT22, BLL23, BHEM21, KBG+23, MAK+23, NRY+23, RBP+20a, RCS+22]. lactones [LRGAH21]. Lake [DDHT+22, TNB+22, DDDJ+20, DDTG+21, HKB+22, KDS+21, Li23, MHH23, SPS23, SRN20, TSS+23, YYS+22, BSS+20, BHEM21]. lakes [OSM22a, TBMP23, HKB+22]. Lakshmi [FM23]. LAMP [KDS+21, PYT+22]. lamprey [SCV+20]. langsdorfii [MHA+20]. laparoscopy [LdL20]. large [LHH+22, LWR+20, LLC+21, LCW+24, OSM22a, SJL+23, SRP+21, dCJBG22]. large-scale [SRP+21]. largemouth [BBG21, CYX+22, CCY+23, GWF+22, JXJ+22, JRZ+22, JSZ+23, PPWC20, WYR+23]. Larimichthys [LWR+20, LLC+21, SJL+23]. larvae [DBC+22, LDC+22, LCYL20, MSB+21, MPF+24, MSS+20, MFP21]. larval [MWZ+20]. Lateolabrax [GZW+23, HWM+24]. lateral [CCG24, FCH+22a, LWT+22, PSV+21, ZZZ+23]. lateritius [YJL+23b]. Lates [CSDS21, CGK23, GKTC+21, GKAS23, KSD+20, PTW21, PPWC20, RBM+22, RKC+23, SZZ+23, SSMC22, SKS+24]. latitudinal [GLS+21]. Latris [DBC+22]. latus [LjY+22, LZC+24, ZFC+23]. laurel [ÖTG22]. Laurus [ÖTG22]. layer [HLH+23b]. leaching [MCM+23]. lead [HLpSC22]. LEAP2 [FWL+23]. learned [FAG+22]. lecanii [ACGDO+21]. lecanii-corni [ACGDO+21]. lectin [DYPN22, ZYZ+20]. leech [BBG21]. leei [LJK+24, PSED+20, SJK+21]. leerii [SAKC20]. leg [RRK+23]. Leguminosae [MSF+20]. leiomyoma [NCA+20]. lemon [RZTV21]. leniusculus [BBD+22]. lentisuturalis [SCRS+23]. Lepeophtheirus [CWB+20b, DHSM+20, DPLL+21, PSH+21, UD22, UMD22, VPW+21]. lepeophtherii [HPR+22]. Lernanthropus [YK21]. lesion [JSW+21, KMH+21]. Lesions [SCD+23, DŽR+21, GSS+21, KaVDH+21, NPP+24, SGU+21, VDC20]. Lessons [FAG+22]. Lethal [POS+20, CMM+20, HSS+24, JAC+22]. leucomaenis [SGU+21]. Levamisole [LdAPA+23]. level [CTOH20, FCH+22b, JJZ+22, WJPS21]. levels [YGR+24]. LFD [LCW+24]. Lg [AOT22]. Lg-Per [AOT22]. lice [BONB20, GRM+23, MCA+20, PSH+21, TBB+21, UD22, UMD22]. life [JMA+22, MPF+24]. Light [MDAO22, ADAO22, WZG+20]. Lightner [Now21]. Ligula [APS23]. like [BGZW22, CLH+21, DGB+22, HHW+24, HSG+21, JBB+24, LHC+22, Li23, MBF+23, MIK+24, SGU+21, ZAG+20]. Limanda [VDC20, VDD+20]. limited [AHSB+22]. limnosediminis [KaVDH+21]. Limpopo [SPHM23]. line [AMS+24, FAG+22, FdSB+22, FSW+21, GPL+22, JZW+23,

JVM+20, KSM+21, LHC+22, LjY+22, LZC+24, LZK+23, LPW+20, LFZ+22, MWY+22, YPT+22, ZFC+23]. lineage [MSZV+23]. lineages [RCG22, SPM+20]. lineata [DBC+22]. lined [QCZ+22]. lines [ASG+22, ASA+20, FSS+21, FAG+22, JW22, SLK+23, SMG+23]. linked [BFvG+23, KKK+23, LWH+21]. linking [XKF+22]. links [MR23, SSM+20]. Linnaeus [BBS+20, HCC+22, LdL20, ZVB+21, dRRRPSR+21]. Lipid [Din21]. lipids [NRC+23]. Lipoid [EMH+22]. lipomas [PDG+24]. lipopeptide [WHK+23]. Lippia [SMP+22a]. literature [DVR+20]. Lithuanian [MIK+24]. Litopenaeus [BTN+21, CMN+20, CCCC23, HLpSC22, LDR+22, LKP+22, LGH+21, TPSJS20a, TPSJS20b]. live [BMK+20, LPGW+22, SMY+24, SOE+21, lZWC+20]. live-attenuated [BMK+20, LPGW+22]. liver [CSGB+21, CZC+22, EMH+22, JZW+23, LjY+22, OBSH24, PZP+20, SDH22, WQL+23, ZBL+23]. livers [BRCI23]. loach [ZYZ+20]. loaches [VKK+22]. load [MR23, TBKY20]. Localization [IFI+21, DHSK+21, FYH+21]. location [BONB20]. locations [SLPF+20]. loci [JØM+20]. LongAmp [IPC+24]. Longicollum [CRWC22]. longitudinal [DMH+21]. loop [CMM+20, HLW+23, KDS+21, PTK+21, PYT+22, ZHY+21, ZLS+21]. loop-mediated [CMM+20, HLW+23, KDS+21, PTK+21, PYT+22, ZHY+21, ZLS+21]. lordosis [FK21]. lordosis-induced [FK21]. loss [RCG22]. lota [BMO+20, BMO+20]. louse [BONB20, BFC+23, GLS+21, MPF+24]. low [BLL23, BHS+21, BHEM21, LDO+21]. low-temperature [LDO+21]. lucidum [LDW+23]. Lufenuron [OBSH24]. lugubris [BBG21]. lumpfish [DPA+24, KKL+22, LdL20, SVO+22]. lumpsucker [SRE+21]. lumpus [DPA+24, KKL+22, LdL20, SVO+22]. lusoria [LYC+20]. Lutjanus [CRWC22, GKU21]. LuxR [MQK+20]. LuxR-type [MQK+20]. lymphocyte [YGC+20]. lymphocytes [ASF+21]. Lymphoid [AGH+23, KMH+21]. lymphosarcoma [HCC+22].

M. [FFB+21]. mackerel [SSK23, SdSNK+22]. maclovinus [QGG+21, SDMO+20]. Macrobrachium [ABA+23, DYPN22, GYN+24, MWZ+20, NRKK21, TAK+21, ZZS+24]. Macrogyrodactylus [MDAO22]. macrophages [CSVG+22, EBAH24]. macropomum [LdAPA+23]. maculate [HHW+24]. maculatus [GZW+23, HWM+24]. maculosa [BMO+20]. Magnetic [LFP+24]. magnifica [SMD+20]. Magnolia [JRZ+22]. magnolol [ZLWL23]. main [SPHM23]. Maine [ZAG+20]. Major [QFW+23, ASA+20, DXL+20a, FLH+21, GPC22, SCX+21, ZDF+23]. makes [TAK+21]. malachite [QST+21]. MALDI [BFvG+23].

MALDI-TOF [BFvG+23]. male [HHW+24, SBB21, SLA+20]. males [FdSB+22]. Malignant [BSS+20]. maltaromaticum [RKL+20, SMP+22b]. Man [NRKK21]. managed [MAG24, SBVC21]. Management [FM23, NSP20, ABA+23, KSS+20, PTMC22]. mandarin [GPL+22, HWG+21]. mandarinfish [ZDF+23, ZFC+23]. mannose [GZL+21, JXJ+22]. marble [SVP+21]. marbled [CDY+20, LWK20]. Margaritifera [CVDO+20, CVDB+21]. Marine [Man23, DNN+22, LEV+20, MBJ20]. marinum [IKT+23, KSY+23]. maritimum [JBB+24, VIB+21]. Mark [OSM+22b, GVB+21, GSS+21, VDC20]. Marlborough [JSW+21]. marmorata [PEN+21]. marmoratus [LWK20, SVP+21]. masoucida [WLH+20]. Mass [KKH+24, WXM+22, XZS+23]. materials [FSFS+20, ORV+24]. mature [HHJ+21]. maximus [SDH22, WMS21, ZLY+22]. may [AMB+22, KKK+23, HSG+21]. Maylandia [SHS+22a]. measures [DAW+22, KDHS+23]. mechanism [LHTW21, NRC+23, SDH22, VBG+22, XKF+22]. mechanisms [AHSB+22, DPA+24, DZQ+22, KBMD21, LJHH23, ZCY+23]. mediated [CMM+20, HLW+23, KDS+21, PTK+21, PYT+22, ZJF+22, ZHY+21, ZLS+21]. mediates [FZC+23, ZBL+23]. medicated [MCM+23, RKC+23]. medicinal [LXW+20, ZYH+23]. Medicine [RM20]. mediterraneus [BCT+20a]. Megalobrama [ZHpT+20]. megalocytiviruses [SNY+21]. Mekong [PNØ+21, PØN+21a, PØN+21b]. melanization [BRR+23, MLHD+23]. melanized [BFH+23]. melanocytoma [SBB21]. melanoma [BSS+20]. melanomacrophage [PZP+20]. melastigma [YWZ+21]. membrane [BCT+20b, EBELIAH20, EBAH24, HLH+23b, LXZ+21, ZWZ+20]. Memphremagog [BSS+20]. Meningitis [DYN+20]. Meningoencephalitis [RZTV21]. meningoseptica [TSC+23]. Meretrix [LYC+20]. merguiensis [ZHL+23]. meristic [MRM21]. merus [LWL+24]. Mesanophrys [LLR+20]. mesh [ZYB+23]. Mesomycetozoea [SGR+20a]. meta [MBN+22, PTMC22, ZGL+20]. meta-analysis [MBN+22, PTMC22, ZGL+20]. metabolic [SDMO+20]. metabolism [BMSC21, Din21]. metabolite [LFL+21]. metabolome [ZMZ+23]. metacercariae [DMB+21, KNG+22]. metagenomic [KSD+20]. Metastatic [BZQV21, SVP+21]. Method [MSZV+23, TKB+21, DMB+21, HPR+22, JSZ+23, LGP+20, NK22, PYT+22, SMP+20, TZL+22, WCT+23b, YDM+21, ZGC+22, ZZF+23]. methods [ABA+23, FMH+22, JBG+23, LJK+24, PTBSF22, SSM+21]. Metschnikowia [MLL+22]. Mexico [SRLARG24, dRRRPSR+21]. MIC [BLJ+21, GIS+21]. Microbial [DBPH21, KSI+20, MWZ+20, TPSJS20a]. Microbiome [Man23].

microbiota [OGR+24]. Microcotyle [NK22]. microcystin [SST+22]. microdiet [PKF+21]. microfluidic [HLW+23, ZLS+21]. micropeltes [PHB+23]. Micropterus [BBG21, CYX+22, CCY+23, FCH+22a, HZC+24, JRZ+22, LYZ+22, PPWC20, WBM21, XJZ+22, YGZ+22, YYS+24, ZBL+23]. Microradiography [PDZ+22]. MicroRNA [JPC+21, CLF+22]. microRNAs [JPC+21, LDO+21]. microscopic [SMMM20]. microscopy [ADAO22, AONDO24, MDAO22, RCS+22, WZG+20]. microsphere [XJZ+22]. microsporidia [lLWC+24, XZS+23]. migrating [MNB+24]. migration [LEV+20]. milky [MLL+22]. Mimachlamys [BCT+20a]. mimiviruses [RBP+20b]. minigenome [TASP+20]. minimum [IAH22]. MinION(R) [BRWC23]. minnow [HCW+20, HWC+21, LL21]. miR [CLF+22, FZC+23, YCC+21]. miR-124 [FZC+23, YCC+21]. miR-KT-635 [CLF+22]. miRNAs [LYF+21]. Misgurnus [ZYZ+20]. Mississippi [LPGA+21]. Mitigating [RSPB22]. mitochondrial [XKF+22]. Mixed [SBB21, SKS+24, BBS+20]. MLVA [SSP+23]. model [AHBE+20, CSE21, CLS+22, KH20, LHC+22, LXW+20, LGJ21, MIR+22, MSB+21, NLPM+21, PGH+21]. Modelling [LCYL20, BAM+23]. models [MLL+22, PRC20]. modification [CGA+20, GZL+21, JXJ+22]. Modifications [AKR+21]. modified [ABM+21, DZJ+21]. modulate [DCB20]. modulation [LPW+20, LPL22, SDMO+20, VSOB22]. Molecular [DWY+20, ESEI20, FLH+21, KNG+22, LLC+21, LJHH23, MPF+24, OKL+22, WZG+20, YSW+22, KKH+24, LCTC20, MIK+24, NRY+23, PCWC20, ÚPZ+23]. mollusc [BCT+20a]. Monitoring [dYdRFF+23, KPC+22, ZDZZ22]. monoclonal [GZZ+22, WWK+20, ZDF+23, ZGz+22]. monocytes [CSVG+22]. monocytes/macrophages [CSVG+22]. monodon [FMK+21, LDR+22]. Monogenea [IAO20, LFSB+21, MHH23]. monogenean [MSF+20, dAMHdOCF+23]. monolayers [ABBP24]. Monopterus [LFZ+22]. morbidity [WBB+21, XZS+23]. morhua [AFKK22]. moribund [LDC+22]. Moritella [CWB+20b, SSP+23]. Morone [FFB+21]. Morphological [EGRD22, KNG+22, MIK+24]. Morphology [KB21, FCH+22b, NTB+24, PRW24]. morphometric [GLS+21]. morphometrics [FK21]. Morphopathological [CVDO+20]. Morphopathology [CVDB+21]. mortalities [PEś+20, PEN+21, WXM+22]. Mortality [GOG+21, MBS21, AMM+22, BMJ+21, BHT+20, GKAS23, JQT20, KKH+24, MPA+21, MCP+22, NKS+21, NPP+24, ØSH+22, PNAS22, SZZ+23, SPKS+20, SRP+21, THH+21, TBKY20, WJPS21, WLTZ21]. mortem [FEH+22]. mosquito [KSM+21]. mosquitofish [BTN+24, WCT+23a, JVM+20]. mossambicus [SLPF+20]. motifs [TIK+22]. motility [GWL+21, RCG22]. mottled [PEN+21]. mould

[CMLK+22]. Mourilyan [Cow20]. Mozambique [SLPF+20]. mRNA [LYF+21]. MSRV [LYZ+22, YYS+24]. Mucin [KH20, LHTW21]. Mucosal [CDY+20, HSM+22]. mucous [PBF+21]. Mucus [ZDZZ22, ASR+23, CSVG+22, FFB+21, HBRN24, HSM+22, LFA20, LAH21, LHTW21]. mucus-secreting [CSVG+22]. mud [MSS+20, XZS+23]. Mugil [RBP+20a]. mullet [HZFT21, RBP+20a]. multi [DLS+21, MPS+22, SNSP+23, WAF+21]. multi-authored [SNSP+23]. multi-biomarker [WAF+21]. multi-drug-resistant [DLS+21]. multi-epitope [MPS+22]. multidrug [HHW+24]. multidrug-resistant [HHW+24]. multifiliis [HHZ+23, JØM+20, PYD+22, QST+21]. multilocus [KKBL21, QCZ+22]. Multiple [LMJ+24, YLC+21, DDDJ+20, ZLS+21]. multiplex [PS23]. Murray [WXM+22]. muscle [BFH+23, SKR+20, SCRS+23]. muscle-infecting [SCRS+23]. musculature [BRR+23]. mussel [LKD+24]. mussels [CTOH20, ZAG+20]. mutant [FdSB+22]. mutants [SOE+21, SGW+22]. Mycobacterial [DŽR+21]. Mycobacteriosis [RØLW23, IKT+23, MHA+20, SSK23, SBS+22]. Mycobacterium [IKT+23, JW22, KSY+23, MHA+20]. Mycoplasma [SVC+21]. mykiss [AMJ+21, AWF22, BAM+23, BIK+21, BZQV21, BTP+24, ELB21, FEMMI+23, GSS+21, HSM+22, HHJ+21, JØM+20, JKM+20, KBG+23, LAH21, LFSB+21, LPL22, MIC+24, ÖTG22, PYD+22, PPT+20, QGG+21, SM21, TBKY20, VIB+21, VWE+23, öTTS20]. myocardial [PRHW21]. myocarditis [MLM+20]. myonecrosis [KSM+21, SAB+22]. myositis [PSH+20]. Mysterious [SPKS+20]. Mytilus [CTOH20, MCA+20, ZAG+20]. Myxobolidae [KRS+20]. Myxobolus [AWF22, KRS+20, SCRS+23, WZG+20]. myxoid [BZQV21]. Myxosporea [SJK+21]. myxospores [SGR+20b]. Myxozoa [MMW+22, REB+20, SJK+21, WBB+21]. myxozoan [LKV+23, SGR+20b]. Myzobdella [BBG21].

N [WWW+21]. N- [WWW+21]. naccarii [MCP+22]. naïve [EBA+21]. Nano [SAAB+21]. Nano-scale [SAAB+21]. nanobioparticles [MMTD+21]. nanobubble [DLS+21]. Nanoemulsions [MSF+20]. nanoformulation [MSF+20]. nanoparticle [GYN+24, KDS+21]. nanoparticles [ASA+20, VRS+24]. Nanopore [BRWC23, DDTG+21]. narinari [DYN+20]. naringenin [SCX+21]. nasal [WBV+20]. Nasicola [WBV+20]. natamycin [CMLK+22]. Natural [HLpSC22, HSH+22, WLTZ21, YYS+24, WHK+23, WLK+22]. naturally [ESEI20, GXW+23, JLM+20]. nature [ALDMLEM20]. NB2011 [JLH+21]. nebulosus [BSS+20]. necrosis [CYX+22, HZFT21, KSG+23, LCYL20, MPMB+20, NAaS+22,

PØN+21a, PØN+21b, SMY+24, SRP+21, TBKY20, UCB+21, VSODB21, VSOB22, WML+21, WXM+22, WCT+20, YDM+21, YCL+21, ZGC+22, ZSG+23, JBP24]. necrotizing [BBD+22]. Negaprion [RZTV21]. negative [PLS+22]. nematode [BRCI23, NLH+20, VKK+22]. nematodes [DYN+20]. Neodevriesia [ACGDO+21]. Neoechinorhynchidae [SMP+22a]. Neoechinorhynchus [LdAPA+23, SMP+22a]. Neoergasilus [AONDO24]. Neoparamoeba [BHS+21, CMM+20, EBA+21, LHTW21, WRMT24]. neoplasia [AGH+23, DVR+20, HHJ+21, SBVC21, SCS24]. neoplasms [SSM+20]. neoplastic [DŽR+21]. Neotropical [dCJBG22]. Nephrocalcinosis [KKK+23, KBR+22, KDR+22]. nerka [LHH+22]. nerve [BZQV21]. Nervous [VSOB22, CYX+22, HZFT21, LCYL20, VSODB21, WXM+22]. Netherlands [KKH+24]. netpen [JLM+20]. netpen- [JLM+20]. nets [ORV+24]. network [XKF+22]. neurophilia [FdSB+22, MVW+20, SKAS+22]. neutralizing [Wel20]. neutrophil [MSB+21]. Newfoundland [RGH+22]. newly [JVM+20]. next [HAK+20]. next-generation [HAK+20]. NGD [BTP+24]. NGS [AOT22]. Nibea [XJM+21]. Nie [SCRS+23]. nigripulchritudo [RRK+23]. Nile [AMM+22, BHEM21, DLS+21, DHSK+21, DSD+22, ESEI20, HBRN24, KDS+21, LCTC20, MPS+22, MKT+21, NLL+21, PDL+23, PDG+24, PPWC20, RCC+21, SRLARG24, XFL+21]. niloticus [ZSL+24a, AMM+22, BHEM21, DDH+22, DLS+21, DHSK+21, DSD+22, ESEI20, HBRN24, KAS+24, LCTC20, LHC+22, MKT+21, PDL+23, PDG+24, PTK+21, PPWC20, RCC+21, XFL+21, YSW+22, YY24]. nine [NGC+23]. nipponense [DYPN22]. NlpC [HCW+20]. NlpC/P60 [HCW+20]. nobilis [ÖTG22]. Nocardia [CCY+23, GYC+22, HCW+20, HWC+21, JRZ+22, NRC+23, NNC+23, NGC+23, WHC+21, WKL+22, ZBL+23, ZSL+24b, dRRRPSR+21]. Nocardiosis [YTH+24, NGC+23, dRRRPSR+21]. NOD2 [GZW+23]. nodavirus [GYN+24, WLTZ21]. Nodular [CTP+23, BTP+24]. nodules [LWR+20]. Nolandella [EBA+21]. Non [CMM+20, HSS+24, JAC+22, BDK+21, CSDS21, DDHT+22, HLH+23b, LHTW21, LdL20, MIC+24]. non-A-layer [HLH+23b]. non-cyprinid [BDK+21]. non-destructive [CSDS21, LdL20]. non-fish-derived [LHTW21]. Non-lethal [CMM+20, HSS+24, JAC+22]. non-pathogenic [MIC+24]. non-tilapine [DDHT+22]. Nonstructural [LLJ+21]. normal [PKF+21]. North [SVO+22, AFKK22, DHF+22, TBMP23]. Northeast [SdSNK+22]. Northeastern [BTP+24, CTP+23]. northern [KNG+22, MHH23, MCP+22, NKZ+20]. Norway [DOW+22,

GOG+21, JQT20, MNB+24, MFP21, MHH23, PBF+21, WJPS21]. Norwegian [AMJ+21, DWK+22, LEV+20, OSM22a, RØLW23, RCG22, RGS+22, SSP+23, SNT+22, TBK+20]. Nothobranchius [DŽR+21]. notothenioid [QGG+21, SDMO+20]. Novel [HPR+22, LKD+24, MHYW22b, PGH+21, PRHW21, ASG+22, BMK+20, DYPN22, GKTC+21, HHW+24, HSG+21, LCCC22, LXW+21, Li23, LDC+22, MPP20a, PTP+23, SSP+23, SLY+24, WSW+20, Wel20, YCL+21, ZWZ+20]. NP [TASP+20]. NS26 [LLJ+21]. nucleic [IKT+23, YDM+21]. nucleoprotein [AKR+21, TASP+20]. Nucleospora [KMH+21]. nucleotide [KSY+23, SNY+21]. number [YY24]. numbers [PBF+21]. nylon [ORV+24, VRC+22].

O. [PPT+20]. O1 [Wel20]. O1-specific [Wel20]. O1a [FEMMI+23]. O1b [AABB23]. obscure [SLH+24]. obscurus [FLH+21, KQW+21, QFW+23, SLH+24]. observation [YWZ+21]. Observations [OSM+22b]. observed [KAS+24, VDC20]. Occurrence [MNB+24, MHH23, PDG+24, BAS+22, IVR+23, JDA+20, Roh22, SAB+22]. occurring [JLM+20]. ocellatum [LZC+24, ZHL+21]. ocellatus [dRRRPSR+21]. Ochroconis [LWK20]. ocular [SGR+20a]. oedema [ABBP24, BPA+21, MPP+20b]. officinalis [JRZ+22]. OH [ZWB+23]. oil [POS+20, TR23]. oils [ÖTG22, SMP+22a]. oleoresin [MSF+20]. olivaceus [CLC+22, LFZ+21, SJK+21]. olive [CLC+22, SJK+21]. OMP [TSV+22]. OmpA [BCT+20b]. OmpR [DZQ+22]. OmpU [ZWZ+20]. OmpU-A-II [ZWZ+20]. OMV [EBAH24]. on-site [YDM+21]. Oncorhynchus [AMJ+21, AWF22, BAM+23, BIK+21, BZQV21, BTP+24, ELB21, FEMMI+23, GSS+21, HSM+22, HHJ+21, JØM+20, JKM+20, KBG+23, KKBL21, LHH+22, LAH21, LFSB+21, LPL22, LFP+24, MIC+24, NKS+21, NPP+24, NLPM+21, ÖTG22, PYD+22, PPT+20, QGG+21, RFN+23, SST+22, SM21, TBKY20, VIB+21, VWE+23, öTTS20]. Onion [öTTS20]. onites [ÖTG22]. ontogenic [TCC+24]. oomycete [NTB+24]. Oomycota [MIK+24]. Oplegnathus [ENS+23, LZK+23]. Opportunities [SAAB+21]. optimal [FSFS+20, RKC+23]. Optimization [DMB+21, GZL+21]. optimized [CDJ+23, TZL+22]. oral [DXD+21, MMTD+21, RKC+23, ZLWL23]. orally [CLC+22, NRKK21, RGT+23]. orange [DXL+20a, NGC+23, ZWB+23]. orange-spotted [DXL+20a, NGC+23, ZWB+23]. Orchitophryidae [LLR+20]. ordalii [EBELIAH20, HSH+20]. oregano [ÖTG22]. Oreochromis [AMM+22, BHEM21, DDH+22, DLS+21, DHSK+21, DSD+22, ESEI20, HBRN24, KAS+24, LCTC20, LHC+22, MKT+21, NKZ+20, PDL+23, PDG+24, PTK+21, PSKW22, PPWC20, RCC+21, SLPF+20, SWC21, XFL+21, YSW+22, YY24, ZSL+24a, NHG+23].

ORF121 [GZZ+22]. **ORF149** [MLGRF+20]. **ORF23** [CLF+22]. **ORF25** [ZHL+22]. **ORF3** [YLC+21]. **ORF63** [ZHL+22]. **ORF72** [WWK+20]. **organism** [JBB+24]. **organisms** [MIK+24]. **Organs** [Muf23]. **oriental** [DYPN22]. **orientalis** [PPWC20]. **Origanum** [ÖTG22]. **origin** [CTOH20]. **originating** [VPW+21]. **ornamental** [SBS+22]. **orthomyxovirus** [SRT+21]. **orthoreovirus** [MNB+24, MBJ20, SKR+20, TMM+24, PVCG20, PPT+20, WHL+20]. **orthoreovirus-1** [MNB+24, SKR+20]. **Oryzias** [YWZ+21]. **osculatum** [BRCI23]. **osmoregulatory** [KKK+23]. **Osphronemus** [GSJ+20, SRP+21]. **Osteichthyes** [SBVC21]. **osteoblastic** [SVP+21]. **Osteoglossum** [LS24]. **osteosarcoma** [SVP+21]. **Ostrea** [BWH+20, BHT+20]. **other** [TNB+22, YTH+24]. **outbreak** [CdPM+21, FMP+21, IVR+23, LWR+20]. **Outbreaks** [PSH+20, AMB+22, GVB+21, MPP+20b, PTMC22, SZH+22, ÚPZ+23]. **outcomes** [SKS+24]. **Outer** [BCT+20b, EBELIAH20, EBAH24, ZWZ+20]. **Ovarian** [BBS+20, CZMP21]. **ovary** [FSW+21]. **overcome** [LHTW21]. **overproduction** [AHSB+22]. **Ovicidal** [SMP+22a]. **Oxford** [BRWC23]. **Oxford-Nanopore** [BRWC23]. **oxidase** [FSW+21]. **oxidative** [BCT+20a, SYKC23]. **oxide** [THW+22]. **oxide-DNAzyme-based** [THW+22]. **oxytetracycline** [IMAH21, MCM+23]. **ozonation** [TPSJS20b]. **Ozone** [DLS+21].

P60 [HCW+20]. **Pacifastacus** [BBD+22]. **Pacific** [BTN+21, HSH+20, LXW+21, TPSJS20a, TPSJS20b, WSW+20, WGE+24]. **Paddlefish** [OHL+20]. **Paenibacillus** [YJL+23a]. **paeoniflorin** [HLpSC22]. **pages** [RM20]. **pagrosomi** [CRWC22]. **pallasii** [HSH+20]. **palm** [NSTS24]. **Pampus** [JZW+23, ZHL+21]. **pan** [SCAH22]. **pan-genomic** [SCAH22]. **pancreas** [DSD+22, NKö+21, RTA21]. **pancreatic** [MPMB+20, TBKY20]. **Pangasianodon** [DXD+21, PNØ+21, PØN+21a, PØN+21b, PRC20]. **pansteatitis** [SLPF+20]. **pansteatitis-affected** [SLPF+20]. **paper** [SNSP+23]. **papilloma** [SGU+21]. **papilloma-like** [SGU+21]. **parahaemolyticus** [GWL+21, LWT+22, MWH+21, NSTS24, WCT+20, WGE+24, ZSL+24a, ZGC+22]. **Paralichthys** [CLC+22, LFZ+21, SJK+21]. **paramamosain** [XZS+23]. **parameter** [AEE+23]. **parameters** [CMLK+22, JMA+22, MMTD+21, PSED+20, SMP+20, WMS21, dCJBG22]. **Paramoeba** [TKB+21]. **parasite** [BKM21, CRWC22, DWK+22, LNK+21, LKV+23, MNPS23, SCV+20, SCRS+23, WBV+20, dAMHdOCF+23]. **parasites** [LZZ+23, MSF+20, MCA+20, NPP+24, VKK+22]. **Parasitic** [YK21, BRCI23, CVDB+21, HRR+24, HHZ+23, JØM+20, LHH+22, MPF+24, NKS+21, NLH+20, TZL+22]. **parasitica** [ELS+23, FSS+21, MGG22, öTTS20]. **parasitism** [KKC+23].

parasitizing [KSI+20, KBMD21]. parauberis [Roh22]. partial [MPS+22]. particular [RCB+22]. partners [MLGRF+20]. parvovirus [LCCC22, PYT+22, YTS22, ZZF+23, DSD+22]. Pasteurella [KKL+22, SRE+21]. pathobiome [PPDG+22]. pathogen [AANY23, AHSCEBI23, CLH+21, EBELIAH20, FdSB+22, GPC22, IMAH21, LAH21, LXW+21, PTMC22, SCALIAH23, XFL+21]. pathogen-free [FdSB+22]. Pathogenesis [CCP+21, Din21, FMH+22, LHC+22]. Pathogenic [SMD+20, SRLARG24, WLH+20, CMLK+22, DCB20, DLS+21, LHLS20, MQK+20, MIC+24, PCWC20, SCRS+23, VLSM+20, ZZS+24, ZCY+23]. Pathogenicity [NGC+23, CCY+23, CTOH20, CZJ+23, CCL+24, Cow20, HWZ+21, JLH+21, LS24, NRY+23, PPWC20, SWC21, YZL+23, ZTY+22]. pathogens [ASA+20, DBPH21, HLW+23, LEV+20, SKO21, YJL+23b, ZWZ+20, ZLS+21]. Pathological [IAO20, CVFRM+23, MBF+23, SMC+22, XXX+24]. Pathology [AGR+22, AONDO24, ADAO22, GKU21, GKAS23, KB21, MBS21, ØSH+22, PRHW21, SPKS+20, SKS+24, WBV+20]. pathway [CCV+24, DXL+20a, HWM+24, OBSH24, WCT+23a, ZZS+24]. pathways [LFL+21]. pattern [LDM+20]. Patterns [OSM22a, TCC+24, GOG+21, IMAH21, KBR+22, PNAS22]. PCR [CQG+21, GKTC+21, GXL+24, HSS+24, HHZ+23, IPC+24, JSZ+23, MMW+22, MJX+23, NK22, NLR21, PS23, SCALIAH23, SKAS+22, SRLARG24, TCS21, YTS22, ZGC+22, ZZF+23]. PCR-based [ZZF+23]. PCR-RFLP [NK22]. pearl [SAKC20]. Pectinatella [SMD+20]. Pediococcus [LKP+22]. PEG [DZJ+21]. PEG-modified [DZJ+21]. pelagic [MCA+20]. Pelodiscus [CRP+21, XXX+24]. penaei [CCCC23]. Penaeus [BLL23, Cow20, FMK+21, LDR+22, LCCC22, LXW+21, LDO+21, MWH+21, QCZ+22, RRK+23, SAB+22, WSW+20]. pentosaceus [LKP+22]. peptidase [HCW+20]. peptide [HHW+24, HLH+23b, IKT+23]. peptides [PLS+22]. peracetic [TPSJS20a]. Perca [KSI+20, SMP+20]. perch [JPC+21, KSI+20, MWY+22, PSPP+22, SMP+20]. percid [PSPP+22]. Perciformes [MRM21]. Perciformes-Gobiidae [MRM21]. perezi [GXW+23]. performance [FCH+22b, PØN+21b]. performed [BLJ+21]. performing [GIS+21]. perfringens [BZP+22]. peri [LFP+24]. peri-vertebral [LFP+24]. Perkinsus [BCT+20a]. permeability [HLH+23b]. permease [TCS21]. peroxide [VPW+21, WSS+20]. Perry [BME+20, EMH+22]. persist [DHSM+20]. Persistence [YPT+22]. Peru [FEMMI+23, VLSM+20]. perurans [BHS+21, CMM+20, EBA+21, LHTW21, TKB+21, WRMT24]. perurans-induced [EBA+21]. pet [DBDSP20]. petauri [AOT22].

Peters [SLPF+20]. petterae [ADAO22]. PFGE [RCS+22]. Phaeohyphomycosis [GMK+21, ACGDO+21, PAS+21]. phage [DXD+21]. pharmacokinetic [CMLK+22]. Pharmacokinetics [RKC+23, RCC+21]. phase [GOG+21, JQT20]. phases [FMH+22]. Phenotype [SWC21, WZC+24]. Phenotypic [LS24, LWL+24, MLL+22, MIC+24, NKZ+20, RCB+22, AHSCEBI23, GPC22, GLS+21, KaVDH+21, TSC+23]. phenotyping [RCS+22]. philander [IAO20]. Philippines [LCTC20]. phoP [SOE+21]. phoQ [SOE+21]. phospholipase [XQZ+22]. phospholipid [HLH+23b]. Photobacterium [ESEI20, PCWC20, WSW+20]. Phylogenetic [MPMB+20, PBT+23, RCW+23, GKTC+21, HAK+20, TIK+22]. phylogenetics [KB21]. Physalia [MBS21]. physalis [MBS21]. physiological [LDO+21, ZWB+23, dCJBG22]. physiology [SGR+20b]. Phytochemical [NSTS24]. phytogenic [SVP+24]. PI3K [ZZS+24]. PI3K-AKT [ZZS+24]. picornavirus [LDC+22]. pilchard [SRT+21]. Pimephales [LL21]. pindani [SHS+22a]. Pinpointing [VDD+20]. piperine [WYR+23]. PirAB [BGZW22]. pirarucu [dAMHdOCF+23]. piRNAs [ZDZZ22]. piscicida [AGR+22, BRWC23, CLS+22, HWM+24, LTW+21, LPGA+21, LPGW+22, NLPM+21, PCWC20, Roh22, SOE+21, SGW+22, YMC+21]. piscidin [PLS+22]. Piscine [SBS+22, MNB+24, MBJ20, MLM+20, SMY+22, TMM+24, PVCG20, PPT+20, SKR+20, WHL+20]. Piscirickettsia [BFC+23, DMH+21, FVC+21, LGP+20, LAH21, LRGAH21, LGJ21, OCS+23, ORV+24, QGG+21, SVP+24, SDMO+20, VBL+23, VRC+22, ZVB+21]. piscirickettsiosis [JLM+20]. piscisicarius [CCP+21]. piscium [SCALIAH23]. pkh2101 [AANY23]. plagiosum [MAG24]. plague [SFKB+20]. planktonic [TBB+21]. plant [LXW+20, ZYH+23]. plasmid [AANY23]. plasticity [GLS+21]. platensis [BAM+23]. platform [SSMC22]. platforms [NAaS+22]. play [XQZ+22]. plecoglossicida [HWZ+21, JLH+21, LWR+20, SJL+23, YZL+23]. Plecoglossus [THH+21]. plerocercoids [APS23]. plumbagin [HSH+22]. PMCV [MR23]. pneumoniae [LWL+24]. Poaceae [POS+20]. pocket [TASP+20]. Poecilia [Li23, PK24, SLY+24]. point [CMM+20, SZH+22]. point-of-care [CMM+20]. Polish [MPMB+20]. polyculture [DDHT+22]. polyethylene [ORV+24]. polymerase [FCH+22a, QWL+21, SPS23, SMY+22, TBK+22, WML+21, WCT+23b]. polymorphic [CGA+20]. polymorphism [KSY+23, SNY+21]. polymyxa [YJL+23a]. Polyopisthocotylea [LFSB+21]. Polypodium [OHL+20]. polysaccharides [LDW+23]. polyunsaturated [HLH+23b]. pomfret [JZW+23, ZHL+21]. pompano [ASG+22, NRY+23, YTH+24]. POMV [SRT+21]. pond [HBRN24, XZS+23]. pond-cultured [XZS+23]. ponds

[MWH+21, NKZ+20, QCZ+22]. population [MPP20a, PSED+20, SBVC21, dYdRFF+23]. populations [BAM+23, GRM+23]. Portunidae [XZS+23]. Portunus [LLR+20, XZS+23]. positive [DOW+22, WGE+24]. possesses [HHW+24]. possible [BTN+21, SPKS+20, MLHD+23]. post [FEH+22, MNB+24]. post-mortem [FEH+22]. post-smolt [MNB+24]. Potential [ABBP24, CCY+23, LDO+21, ABM+21, AFKK22, AABB23, BCT+20b, BHEM21, BRWC23, CLS+22, GYN+24, GRM+23, HSH+22, LFL+21, MCA+20, PEś+20, QST+21, SOE+21, SFKB+20, WYR+23, XQZ+22, ZSL+24a]. potentially [YGR+24]. pp [FM23]. prawn [ABA+23, DYPN22, TAK+21]. praziquantel [RGT+23]. prebiotic [OGR+24]. predators [SFKB+20]. predicting [FK21]. Preetham [FM23]. preference [KKBL21]. preferences [BONB20]. pregelatinized [MCM+23]. Preliminary [JLH+21]. presence [PAH+22]. presentation [DXL+20a, MBF+23]. presmolt [PBF+21]. prespawn [NPP+24]. Press [FM23, RM20]. pressure [YK21]. Prevalence [MHP+20, QRTD+22, WBV+20, ZGL+20, CTP+23, QCZ+22, RBM+22, SRLARG24, SdSNK+22]. prevalent [SGU+21]. Prevention [ÖTG22, öTTS20, HB20, SZH+22]. primarily [SNT+22]. primary [ABBP24, AMB+22, GSJ+20, NKö+21, SGR+20a]. prime [DSD+22]. priming [PSV+21]. principal [LLJ+21, SCAH22]. probe [KDS+21, lLWC+24, PTP+23, YTS22]. probe-based [lLWC+24, PTP+23, YTS22]. probiotic [AABB23, OGR+24, VRS+24]. Probiotics [PDL+23, ABA+23, YYS+22]. Procambarus [BAT+24, HSG+21, SCX+21, ZWX+22, ZLZ21]. procedure [GZL+21]. process [CFGCCE21, SNSP+23]. processing [TZL+22]. Procypris [LWL+24]. produce [EBAH24]. product [YYS+24]. Production [ZDF+23, AHSCEBI23, GOG+21, JQT20, LDR+22, LHTW21, MBJ20, SAAB+21]. profile [SMD+20]. profiles [MBR+22, ZDZZ22]. profiling [AMM+22, HBRN24, JPC+21, KBG+23]. progeny [WZG+20]. Progression [SKAS+22]. proliferation [LHH+22]. proliferative [LNK+21, RSPB22, SPM+20]. promelas [LL21]. promising [ZMZ+22]. promoter [YLC+21]. promotes [LKP+22]. prop [FdSB+22]. propagating [MSB+21]. propagation [GSJ+20, KSM+21]. properties [SGR+20b]. prophenoloxidase [TAK+21]. prophylactic [KDHS+23, ZZL+21]. proPO [TAK+21]. Proposed [GIS+21]. protease [AAZR+20]. protect [XJM+21]. protection [BMK+20, MPS+22, NRKK21, SLA+20]. Protective [DXD+21, YGZ+22, CLC+22, HHW+24, LPGW+22, NRC+23, SMY+24, ZLWL23, ZZL+21]. protein [AHSB+22, BCT+20b, GYN+24, HBRN24, LGH+21, LLJ+21,

LYF+21, MPS+22, MHA+20, MLGRF+20, NLL+21, PHS+20, SCAH22, SYKC23, WKL+22, WWK+20, ZWZ+20]. protein-10 [MHA+20]. proteinase [IFI+21]. proteinases [IFIZ22]. proteins [BGZW22, CdPM+21, FVC+21, HSM+22, NRKK21, QST+21, ZLZ21]. Proteocephalus [IFIZ22]. proteolytic [FVC+21]. proteolyticus [ZHL+23]. Proteomic [AHSB+22, CdPM+21, LHLS20, QST+21, ZLZ21]. protocol [CDJ+23, GIS+21]. provided [IHK+22]. provides [LFG+23, QST+21]. Prudhoe [MDAO22]. Prussian [KKH+24]. PRV [PPT+20, TMM+24]. PRV-1 [PPT+20]. PRV-2 [TMM+24]. Pseudocapillaria [NLH+20, SSM+20, SLK+23]. Pseudocaranx [MAK+23]. Pseudocrenilabrus [IAO20]. Pseudoloma [FdSB+22, MVW+20, SKAS+22]. Pseudomonas [HWZ+21, JLH+21, LWR+20, SJL+23, VFR+23, WHK+23, YZL+23]. Pseudoparamoeba [EBA+21]. pseudoshottsii [MHA+20]. Pseudoterranova [AFKK22, NAPP24]. psychrophilum [AHTCDI20, AHBE+20, AWF22, BMK+20, BMJ+21, BMSC21, CVFRM+23, HKB+22, HSM+22, IVR+23, KKBL21, LPL22, MIR+22, VFR+23]. psychrophilum-associated [BMJ+21]. Pterapogon [KSG+23]. Pterygoplichthys [DDH+22]. public [SBVC21]. PUFAs [HLH+23b]. puffer [LJK+24, SLH+24]. pufferfish [FLH+21, KQW+21, QFW+23]. pulse [RCS+22]. pulse-field [RCS+22]. punctatus [AGR+22, KNG+22, LKD+24, LZK+23, OGR+24, SLA+20, YGR+24]. Puno [FEMMI+23]. Puntigrus [CCP+21]. Purification [EJH+23]. purposes [PTBSF22]. putative [GKU21, MLGRF+20]. putatively [RGS+22]. PVN02 [DXD+21]. pyloric [ZDF+23]. Pyrococcus [WCT+23b]. pyroptosis [ZBL+23].

qPCR [AMJ+21, DMH+21, GWF+22, JAC+22, LGP+20, lLWC+24, PTP+23, RGS+22, SLK+23, SKR+20, SLE+20, SMP+22b, WRMT24]. QTL [JØM+20]. quality [PTMC22]. Quantification [BMSC21, JSZ+23, MPF+24, OKL+22, TCS21]. Quantifying [JMA+22, LYC+20]. Quantitative [JØM+20, NLR21, TZL+22, CQG+21, HHZ+23, SMY+22, YTS22, ZLZ21]. Quebec [BSS+20]. Quinoline [LYZ+22]. quinones [VBL+23]. quorum [LRGAH21, WGE+24].

rA7 [LFL+21]. Radiological [KDR+22]. Rafinesque [LL21]. Rahnella [LHLS20]. Rainbow [öTTS20, AMJ+21, AKR+21, AWF22, BAM+23, BIK+21, BZQV21, BTP+24, CTP+23, EBAH24, ELB21, FEMMI+23, GVB+21, HSM+22, HHJ+21, JØM+20, JKM+20, KBG+23, LFSB+21, LJHH23, LPW+20, LPL22, MIC+24, OSM+22b, ÖTG22, PYD+22, PPT+20, QGG+21, SM21, SMG+23, TBKY20, VIB+21, VWE+23, VFR+23, YZM+21]. Rana [TSC+23].

ranavirus [GWF+22, JSZ+23, SVO+22, ZFC+23, ZDF+23]. range [GLS+21, NNC+23, TBMP23]. Rapid [BHT+20, CGA+20, DDTG+21, FCH+22a, LHH+22, LCW+24, ZHY+21, CCG24, HZFT21, PTK+21, PYT+22, PDZ+22, QWL+21, SSMC22, TBB+21, WCT+20, YLW+21]. rare [TBB+21]. RAS [OSM+22b]. rates [NKS+21]. Raton [FM23]. ray [DYN+20, EGRD22]. reaction [SPS23, SMY+22]. Reactor [VRC+22]. Real [SKR+20, GWF+22, GXL+24, HSS+24, HHZ+23, LCW+24, MSB+21, MMW+22, QWL+21, SRLARG24, TCS21]. Real-time [SKR+20, GWF+22, GXL+24, HSS+24, HHZ+23, LCW+24, MSB+21, MMW+22, QWL+21, SRLARG24, TCS21]. reared [BFH+23, DŽR+21, FK21, JLM+20, MHP+20, MCP+22, PDL+23, QRTD+22, SAB+22]. rearing [CLH+21, FCH+22b, VSODB21, YPT+22]. reasons [YCS+21]. reassortant [KPC+22]. recA [OKL+22]. receptor [YGC+20]. receptors [CLH+21]. recirculating [BTN+21]. recirculation [QRTD+22, TPSJS20a, TPSJS20b]. recognition [WWW+21]. Recombinant [NRKK21, LFL+21, TSV+22, XJZ+22, ZSG+23]. recombinase [CCG24, FCH+22a, GWF+22, QWL+21, TBK+22, WML+21, WCT+23b]. recombinase-aided [CCG24, GWF+22]. recombination [CGA+20]. record [NAPP24]. recovered [LCTC20, SLY+24, VIB+21]. Recovery [LZX+23, CVDB+21]. Red [BFH+23, ENS+23, GVB+21, GSS+21, BRR+23, BAT+24, CRWC22, GKU21, IHK+22, KDS+21, KB21, LMJ+24, PSKW22, SCIAH21, VDC20, XKF+22, dRRRPSR+21, OSM+22b, WAF+21]. Rederivation [FdSB+22]. redox [YGC+20]. reduced [BTN+21]. reduces [BKM21]. reducing [WGE+24]. reduction [LXZ+21]. reference [CGK23, MBN+22, RCB+22]. Regan [SCV+20, SBB21]. region [CGA+20, SMD+20]. registrations [PNAS22]. regulate [FZC+23]. regulated [CCV+24]. regulates [CLF+22, GWL+21]. regulating [LFZ+21, YMC+21, ZTY+22]. regulation [BMSC21, LFL+21, REB+20, XKF+22, YCC+21]. regulator [LLJ+21, WZC+24]. regulators [MQK+20]. related [CTOH20, EBBIAH21, ENS+23, JMA+22, MPA+21, NLL+21, ØSH+22, RRK+23, RKL+20, TNB+22]. relationship [PTMC22]. relative [SMP+20]. Remembering [Now21]. Renibacterium [AHSB+22, EBBIAH21, GIS+21, JAC+22, JBG+23, MSZV+23, PAH+22, RFN+23, SCAH22]. reovirus [LLJ+21, YLW+21]. replicated [PNØ+21]. replication [CLF+22, FZC+23, LLJ+21, NKö+21, TR23, WYR+23, ZHL+22, ZWX+22]. report [BAS+22, CRWC22, CCL+24, DGB+22, GVB+21, LHLS20, PPDG+22, SAB+22, VIB+21, VDC20, XZS+23, ZAG+20]. represses [OBSH24]. reproductively [PZP+20]. required [SJL+23]. rerio [APK+23, AHBE+20, FdSB+22, JW22, KSS+20, KMH+21, KH20,

MSB+21, MVW+20, PKF+21, SSM+20, SKAS+22, SLK+23, WLTZ21]. Research [NSP20, DBPH21, JW22, JLM+20, KSS+20, NLH+20, WSW+20]. resembling [VDC20]. reservoir [BDK+21, LHH+22]. reservoirs [KB21, PEś+20, ŘB24]. Resistance [AANY23, MGG22, AWF22, BAM+23, BIK+21, CZM+22, DBDSP20, DXL+20b, HLH+23b, JØM+20, KDHS+23, LS24, LPL22, MWH+21, MR23, NRC+23, OGR+24, PDL+23, PØN+21a, QCZ+22, RBM+22, YGR+24, YJL+23a]. resistant [DLS+21, HHW+24, QCZ+22]. resolution [CSVG+22]. resonance [LFP+24]. Resource [SSM+20]. response [ABA+23, BFC+23, CLH+21, CZM+22, DZJ+21, GWL+21, GZW+23, HWZ+21, HSM+22, HWG+21, KQW+21, LKP+22, LFZ+21, LWL+24, LGH+21, MPPF21, MPS+22, NLL+21, QFW+23, SLH+24, SMG+23, SDH22, SDMO+20, UMD22, WQL+23, WSS+20, XFL+21, YYS+22, ZSL+24a, ZHL+21, ZHL+23, ZWB+23]. responses [BDK+21, BIK+21, CWB+20b, CDY+20, DWY+20, RGS+21, XQZ+22, ZLY+22]. restoration [LKD+24]. restriction [LL21]. reticulata [Li23, MSF+20, SLY+24]. retinopathy [BPA+20, ZMZ+22]. retrieved [AHTCDI20, FEMMI+23, KSD+20]. Retrobulbar [SAKC20]. Retrospective [ACGDO+21, SSM+20, DBDSP20, DVR+20]. returning [MFP21]. reveal [XKF+22]. revealed [AOT22, SGR+20b, WZC+24, LHLS20]. reveals [AHSB+22, DDDJ+20, FSW+21, FMK+21, HWZ+21, JPC+21, KSY+23, RCG22, SDH22, SSP+23, XJM+21, YCS+21]. Reverse [KDS+21]. reversible [SST+22]. Review [CSE21, FM23, JDA+20, KSS+20, Man23, Muf23, NSP20, RM20, ALDMLEM20, DVR+20, DBPH21, EGRD22, JBP24, MBN+22, PTMC22, SKO21, SBD21, VRS+24, ZGL+20]. RFLP [NK22]. RGM2144 [VFR+23]. RGNNV [JPC+21, KPC+22, LDM+20, WLK+22]. RGNNV/SJNNV [KPC+22]. rhabdovirus [FCH+22a, HZC+24, HWG+21, LYZ+22, LFZ+22, LZX+23, PSPP+22, XJZ+22, YGZ+22, YYS+24, dYdRFF+23]. Rhine [DHF+22]. Rhomboplites [HB20]. rhythm [CCV+24]. rice [LFZ+22]. rice-field [LFZ+22]. rich [YLC+21]. Richardson [GMK+21]. rickettsia [JBB+24]. rickettsia-like [JBB+24]. Rise [SNSP+23]. risk [AEE+23, AMB+22, CMN+20, MIK+24, ŘB24]. risks [BTN+21, CTP+23]. Risso [PZP+20]. River [SCV+20, WBM21, DYPN22, NKZ+20]. river-based [NKZ+20]. riverine [THH+21]. rivers [DHF+22, LMJ+24]. RMS [GVB+21]. RNA [HWZ+21, TASP+20, WRMT24]. RNA-based [WRMT24]. RNA-binding [TASP+20]. RNA-seq [HWZ+21]. RNAi [HWZ+21]. rock [ENS+23]. rockfish [LWK20, NK22, PAS+21]. rogercresseyi

[BFC+23, GLS+21, JMA+22, MCA+20]. roggenkampii [LS24]. rohita [SMMM20, TSV+22]. Rohu [TSV+22]. Role [DXL+20a, MQK+20, SLH+24, ASNA24, ASR+23, APK+23, DPA+24, DZQ+22, VDD+20, WZC+24, YMC+21, ZTY+22, ZCY+23, ZYL+22]. roles [DYPN22, JPC+21, JLH+21, LDO+21, SYKC23, XQZ+22]. rosenbergii [ABA+23, GYN+24, MWZ+20, NRKK21, TAK+21, ZZS+24]. Rosette [CDJ+23]. rostral [KH20]. rostrata [WZC+24, YCL+21]. round [EGRD22]. routes [LDM+20, NGC+23]. RPA [LCW+24]. RPA-LFD [LCW+24]. RSIV [SNY+21]. RSIV-type [SNY+21]. rstA [ZCY+23]. RT [AMJ+21, KDS+21, SKR+20]. RT-LAMP [KDS+21]. RT-qPCR [AMJ+21, SKR+20]. RTGILL [SMG+23, LPW+20]. RTGILL-W1 [SMG+23, LPW+20]. RTGUTGC [SMG+23]. rubripes [xCqXfL+21, LJK+24]. ruckeri [AABB23, BLJ+21, BAM+23, BIK+21, FEMMI+23, RCG22, RGS+22, SM21, VLSM+20, Wel20, YZM+21]. Rudolphi [MFP21]. rugosum [IFI+21]. running [RSPB22]. Russia [SGU+21].

S.A [RM20]. S1 [SKR+20]. S3 [YJL+23a]. safety [BTN+21, MMTD+21]. sagittata [LFSB+21]. salar [AMB+22, BRR+23, BFH+23, BMJ+21, CWB+20b, CdPM+21, DPLL+21, DMH+21, FSFS+20, FCH+22b, FMP+21, FMH+22, FEH+22, GLS+21, HSS+24, JQT20, JBG+23, KBR+22, KDR+22, KKK+23, LMJ+24, LGP+20, LAH21, MIR+22, MNB+24, MBJ20, MLM+20, MBS21, MFP21, MLHD+23, MR23, ØSH+22, PBF+21, PRW24, RØLW23, SCIAH21, SRT+21, SST+22, SNT+22, SCD+23, TBK+20, UD22, UMD22, WJPS21, WAF+21]. salaris [MHH23]. salinity [BLL23, BTN+21, MWH+21, VSOB22]. Salmincola [HRR+24, LHH+22, NKS+21]. Salmo [AMB+22, BRR+23, BFH+23, BMJ+21, CWB+20b, CdPM+21, DPLL+21, DMH+21, FSFS+20, FCH+22b, FMP+21, FMH+22, FEH+22, GLS+21, HSS+24, JQT20, JBG+23, KBR+22, KDR+22, KKK+23, LMJ+24, LGP+20, LKV+23, LEV+20, LAH21, LFSB+21, MIR+22, MNB+24, MBJ20, MLM+20, MBS21, MFP21, MLHD+23, MR23, ØSH+22, PBF+21, PRW24, RØLW23, SCIAH21, SRT+21, SST+22, SVP+21, SNT+22, SCD+23, TBK+20, UD22, UMD22, WJPS21, WBB+21, WAF+21]. salmoides [BBG21, CYX+22, CCY+23, FCH+22a, HZC+24, JRZ+22, LYZ+22, PPWC20, XJZ+22, YGZ+22, YYS+24, ZBL+23]. Salmon [GRM+23, SST+22, ABM+21, AMJ+21, AMB+22, AHTCDI20, BHS+21, BRR+23, BFH+23, BMJ+21, BONB20, BFC+23, CGA+20, CWB+20b, CVDO+20, CVDB+21, CdPM+21, DHSM+20, DOW+22, DPLL+21, DMH+21, DGB+22, EBA+21, FSFS+20, FCH+22b, FMP+21, FMH+22, FEH+22, GLS+21, GIS+21, HSS+24, HPR+22, JQT20, JBG+23, JSW+21, JLM+20,

KBR+22, KDR+22, KKK+23, KKBL21, LMJ+24, LGP+20, LNK+21, LHH+22, LFL+21, LGJ21, LFP+24, MIR+22, MNB+24, MBJ20, MLM+20, MGG22, MBS21, MFP21, MLHD+23, MR23, MSZV+23, NKS+21, NPP+24, NLPM+21, NKö+21, OBSH24, ØSH+22, PSH+21, PBF+21, PNAS22, PRW24, PPT+20, QRTD+22, RØLW23, RGH+22, RTA21, SCIAH21, SRT+21, SRE+21, SKR+20, SSP+23, SNT+22, SCD+23, TMM+24, TBB+21, TASP+20, TBK+20, UD22, UMD22, WJPS21, WAF+21, WSS+20]. Salmon-lice [GRM+23]. salmonicida [GPC22, WLH+20, BLJ+21, DCB20, GPC22, HRR+24, HLH+23b, KKL+22, LFL+21, LH20, LFG+23, PDM+21, PGH+21, VDD+20, ZHY+21]. salmonid [ABM+21, AHCSCI20, DWK+22, HRR+24, LH20, MNB+24, MPMB+20, ORV+24, OSM22a, SSM+21, SPM+20]. salmonids [GOG+21, IMAH21, JDA+20, PRHW21, RSPB22]. salmoninarum [AHSB+22, EBBIAH21, GIS+21, JAC+22, JBG+23, MSZV+23, PAH+22, RFN+23, SCAH22, SEL+20, SLE+20, SMP+22b]. salmonis [BFC+23, CWB+20b, DHSM+20, DPLL+21, DMH+21, FVC+21, LGP+20, LAH21, LRGAH21, LGJ21, MHH23, OCS+23, ORV+24, PSH+21, QGG+21, SVP+24, SDMO+20, UD22, UMD22, VBL+23, VPW+21, VRC+22, ZVB+21]. Salvelinus [BMJ+21, MHH23, SGU+21, SEL+20]. same [IVR+23]. sample [JBG+23, TZL+22, ZLS+21]. samples [CQG+21, CSDS21, SPS23, UCB+21]. sampling [JAC+22]. sandwich [LWH+21]. Saprolegnia [ELS+23, FSS+21, MGG22, öTTS20]. Saprolegniasis [ÖTG22]. sativum [öTTS20]. Sauvage [PRC20]. saxatilis [FFB+21]. scale [CSDS21, PSV+21, SAAB+21, SSMC22, SRP+21, KSD+20]. Scandinavian [LMJ+24]. scanning [ADAO22, AONDO24, MDAO22, SMMM20]. Scavenger [SBD21]. Schlegel [CLC+22, SJK+21, THH+21]. schubertii [HHW+24]. Sciaenops [dRRRPSR+21]. scientific [JW22]. Scomber [SSK23, SdSNK+22]. scombrus [SSK23, SdSNK+22]. scophthalmi [OKL+22]. Scophthalmus [SDH22, WMS21, ZLY+22]. scoring [GSS+21]. SCPCs [NKö+21]. Screening [AABB23, JRZ+22, YJL+23a, JXJ+22, KPC+22, LXW+20, LdL20, RGS+22]. Scylla [MSS+20, XZS+23]. SDDV [KSD+20, PSV+21]. sea [BONB20, BFC+23, CSDS21, DNN+22, ENS+23, GLS+21, GZW+23, IHK+22, JPC+21, KPC+22, LDM+20, LKV+23, LEV+20, LjY+22, MPF+24, MFP21, MCA+20, ØSH+22, PSH+21, PDZ+22, RBM+22, REB+20, SNT+22, SSMC22, YK21, ZVB+21, DXL+20b, NAPP24, WAF+21]. sea-farmed [ØSH+22]. seabass [BBS+20, CGK23, NCA+20, PTW21, PPWC20, RKC+23, SKS+24]. seabream [AEE+23, CSGB+21, CSVG+22, CFGCCE21, FEM+20, FK21, LZC+24, LDC+22, RGT+23, ZFC+23]. seafood [LWT+22].

seahorse [XQZ+22]. search [SPKS+20]. seasonal [AEE+23]. seasonality [MHH23]. Seawater [SRT+21, JQT20, MWH+21, MMW+22, TZL+22, TPSJS20a, TBK+20, YY24]. seawater-adapted [YY24]. seawater-farmed [TBK+20]. Sebastes [PAS+21]. sebastis [NK22]. Sebastiscus [LWK20]. Second [Man23]. secondary [JJZ+22]. secreted [HWC+21, MHA+20]. secreting [CSVG+22]. secretion [KBMD21]. Secretory [XQZ+22, PHS+20, WKL+22]. sectional [MBJ20]. seedling [SZH+22]. segment [SKR+20]. segmental [CGA+20]. Selection [GYN+24]. semi [CQG+21]. semi-quantitative [CQG+21]. semifasciolatus [SCS24]. semilaevis [ZDZZ22]. senegalensis [VSODB21]. Senegalese [VSODB21]. senescence [NPP+24]. sensing [LRGAH21, WGE+24]. sensitive [JSZ+23, LCW+24, MJX+23, NAaS+22, SPS23, SSMC22, THW+22, WCT+23b, WRMT24, ZZF+23]. sensitivity [CTOH20, LGP+20, LJK+24, VLSM+20]. separate [KSG+23]. septicaemia [AKR+21, AAZR+20, ASF+21, BAM+23, CCV+24, DXD+21, HAK+20, LL21, RZTV21, UCB+21]. septicemia [TBK+22]. seq [HWZ+21]. sequence [CGA+20, KSD+20, KKBL21, QCZ+22, TIK+22]. sequence-based [TIK+22]. sequences [SCIAH21, SKR+20, YLC+21]. sequencing [BRWC23, DDTG+21, FSW+21, FMK+21, HAK+20]. Serbia [RCW+23]. serial [SSP+23]. Series [NSP20, AGH+23, DVR+20]. Seriola [PZP+20]. seriolae [CCY+23, GYC+22, HCW+20, HWC+21, JRZ+22, NRC+23, NNC+23, NGC+23, WHC+21, WKL+22, ZBL+23, ZSL+24b, dRRRPSR+21]. Serological [AHTCDI20, BDK+21]. serotype [AANY23, FEMMI+23, Wel20]. serotypes [MAK+23]. serovar [BFvG+23]. serrata [MSS+20]. serum [CdPM+21]. settlement [UMD22]. seven [EGRD22, WMS21]. several [GPL+22, LZK+23]. Severe [BZP+22, KBR+22, PSH+20, TSS+23]. severity [EBA+21, JLM+20]. sex [BBS+20]. SGIV [LXW+20]. shape [FK21]. shark [RZTV21]. sharks [IKT+23, MAG24]. sharptooth [MDAO22]. sheath [BZQV21]. shell [CXC+24]. Shewanella [PBT+23]. SHK [EBBIAH21, FVC+21]. SHK-1 [EBBIAH21, FVC+21]. showed [AKR+21]. shows [LFP+24]. shrimp [BLL23, BGZW22, BTN+21, CMN+20, CZM+22, Cow20, FMK+21, HLW+23, IPC+24, LDR+22, LKP+22, LXW+21, LGH+21, NAaS+22, RRK+23, SZH+22, TPSJS20a, TPSJS20b, WSW+20, WML+21, WCT+23b, WGE+24, YDM+21, ZVYD23]. SHT [KAS+24]. Siamese [SBB21]. Siberian [CVFRM+23]. siderophores [AHSCEBI23]. sidoides [SMP+22a]. sign [HHW+24, SLA+20]. signal [BBD+22, LTW+21, TBB+21]. signalling [CCV+24, WCT+23a]. significantly [FMK+21]. signs [LMJ+24, ZAG+20]. Silencing [TAK+21]. silver

[JZW+23, LS24, ZHL+21]. Simple [FK21]. simplex [MFP21]. Simultaneous [PS23, WML+21, ZLS+21]. sinensis [CRP+21, DWY+20, Din21, MLL+22, XXX+24, ZGL+20]. single [KSY+23, SNY+21]. Siniperca [GPL+22, HWG+21, LZX+23, MWY+22]. site [LYZ+22, YDM+21]. sites [APS23, AFKK22, PSH+21]. situ [GKTC+21, HPR+22, IKT+23, ŘB24]. SJNNV [KPC+22]. Skeletal [MRM21, APK+23, BRR+23, BFH+23, PDZ+22, PKF+21, SKR+20]. Skin [HSM+22, WAF+21, AONDO24, CSVG+22, CFGCCE21, JSW+21, KaVDH+21, LMJ+24, LAH21, MDAO22, MWY+22, MBS21, SZZ+23, SGU+21, VDD+20]. Slovak [MPP+20b]. smallmouth [WBM21]. Smartphone [NAaS+22]. Smartphone-compatible [NAaS+22]. Smith [RM20]. smolt [MNB+24]. snakehead [HHW+24, PHB+23]. snapper [CRWC22, GKU21, HB20]. snapshot [BONB20]. SNP [SNY+21]. snubnose [ASG+22]. sobria [LH20]. socolofi [SHS+22a]. SOD [HWC+21]. sodium [dAMHdOCF+23]. soft [CXC+24, LFP+24]. soft-shell [CXC+24]. softshell [CRP+21]. solani [BME+20]. sole [VSODB21]. Solea [VSODB21]. some [KKBL21]. Sophora [ZYH+23]. sore [KB21]. Sounds [JSW+21]. source [KPC+22]. sources [AHSCEBI23, KSY+23]. South [BTN+24, KRS+20, AONDO24, CCL+24, DXL+20b, KB21, SMD+20, SLPF+20, ZGL+20]. South-East [ZGL+20]. south-eastern [KRS+20, KB21]. southern [GLS+21, VLSM+20, dYdRFF+23]. Southwest [SRLARG24]. soya [RGS+21]. sp [BMO+20, DNN+22, EBA+21, JKM+20, KKC+23, KMH+21, LLR+20, NHG+23, PTBSF22, PAS+21, POS+20, PSKW22, SGR+20a, SdSNK+22, VBG+22, VFR+23]. spadefish [TCC+24]. Spain [dYdRFF+23]. Sparicotyle [RGT+23]. sparrmanii [AONDO24]. Sparus [AEE+23, CSGB+21, CSVG+22, CFGCCE21, FEM+20, FK21, KPC+22, LDC+22, MBN+22, RGT+23]. Spatial [LKV+23]. Spatio [JQT20]. Spatio-temporal [JQT20]. SPDV [NKö+21]. special [ŘB24]. species [AGH+23, AHCSCI20, DDHT+22, DVR+20, GKU21, GKTC+21, LCTC20, LGJ21, MPF+24, NTB+24, OSM22a, PEś+20, PCWC20, SPM+20, VWE+23]. Specific [PYT+22, GZZ+22, KKBL21, SCALIAH23, SPS23, SM21, SSP+23, Wel20, WWK+20, ZGz+22]. specificity [CDJ+23, LGP+20, LJK+24]. specimens [CSVG+22, EGRD22]. sperm [FdSB+22]. spermatogenic [NCA+20]. spheroid [FSS+21]. spikes [GKAS23]. spinal [GPL+22, LFP+24, PSKW22]. Spinitectus [ADAO22]. spleen [ENS+23, GSJ+20, KSG+23, SRP+21, ZFC+23, ZSG+23]. splendens [SBB21]. splendidus [CTOH20]. splendidus-related [CTOH20]. splenic [PDG+24]. splitnose [PAS+21]. Spontaneous [DVR+20].

sportfishes [KB21]. spot [BAT+24, HLpSC22, SZH+22, SCX+21, SAB+22, TAK+21, WCT+23b, ZWX+22, ZLZ21]. Spotted [GZW+23, DXL+20a, DYN+20, LZK+23, NGC+23, ZWB+23]. spp [BTN+21, BPA+20, BMK+20, DDH+22, MBR+22, NKZ+20, PBT+23, REB+20, SMD+20, SRE+21, SWC21, ZAG+20]. sprat [NAPP24]. Sprattus [NAPP24]. spread [IHK+22, PSPP+22, PAH+22]. spring [DZJ+21, GZL+21, RCW+23, ZZL+21]. Sreeja [FM23]. ssDNA [GYN+24]. Stability [UCB+21]. stage [MPF+24, ZYB+23]. stages [BKM21, CVDO+20, MCA+20, TBB+21]. standard [CDJ+23]. Stannius [SAKC20]. Staphylococcus [WWW+21]. starch [MCM+23]. starch-coated [MCM+23]. starter [APK+23]. starting [SZH+22]. starving [BZP+22]. States [KRS+20, KB21]. status [CSGB+21, SM21]. step [PTP+23]. steric [EJH+23]. stimulated [CLH+21]. stimulates [LFA20]. stimulating [ZSL+24a]. stimulation [SMG+23]. stitch [TBK+20]. stock [ŘB24]. stocking [DAW+22, SMP+20]. stomach [ADAO22]. storage [FEH+22]. story [SRN20]. strain [BMSC21, HLH+23b, LS24, LJHH23, YZM+21, ZTY+22]. strains [BTP+24, BMK+20, BCT+20b, CTOH20, KKH+24, LMJ+24, MWH+21, RGS+22, SDMO+20, TNB+22, YCS+21]. stramenopilous [MIK+24]. strategy [ABM+21]. streptococcal [LCTC20]. streptococcosis [KDHS+23, SEL+20]. Streptococcus [HSH+22, MWY+20, MCP+22, NKZ+20, PDL+23, PHS+20, PTK+21, PTP+23, PTW21, PSKW22, PSH+20, PHB+23, Roh22, SWC21, TCS21, XFL+21, ZYH+23, ZHpT+20]. Streptomyces [YJL+23b]. stress [BCT+20a, KKK+23, LDO+21, SZZ+23, SYKC23, UMD22]. stressed [Roh22]. strip [HZFT21, LWT+22, WCT+20, ZZZ+23]. striped [DXD+21, DBC+22, FFB+21, MAK+23, PNØ+21, PØN+21a, PØN+21b, PRC20]. stromal [BBS+20]. strong [FEM+20, MPS+22]. structurally [BGZW22]. structure [BGZW22, HLH+23b, LGH+21, PRW24]. structures [AONDO24]. studies [ASG+22, AMS+24, CDJ+23, DMB+21, FSS+21, JLH+21, KPC+22, MSB+21]. Study [ŘB24, WLK+22, ACGDO+21, AONDO24, BTN+24, CFGCCE21, DBDSP20, JBB+24, KBMD21, MBJ20, ØSH+22, PEś+20, PNØ+21, Roh22, SHS+22a, SPM+20, TASP+20, TR23, WHC+21, WAF+21]. studying [JZW+23, LZC+24]. sturgeon [CMLK+22, GMK+21, MCP+22, PSH+20, RBP+20b]. sturgeons [BZP+22, CVFRM+23]. sub [QGG+21, SDMO+20]. sub-Antarctic [QGG+21, SDMO+20]. subclinical [CGK23, PTW21]. subcutaneous [CSGB+21, CSVG+22, RZTV21]. subdued [RGS+21]. Subinhibitory [OCS+23]. submission [SNSP+23]. subsp

[WSW+20, GPC22, PCWC20, WLH+20]. subunit [DZJ+21, GZL+21, JXJ+22, TSV+22, XJZ+22]. success [UMD22]. successful [DGB+22]. suggest [GKTC+21]. suggests [CGA+20, GLS+21]. sulphate [ZMZ+23]. summer [AMM+22]. SUMO [OBSH24]. superoxide [HWC+21]. supplementation [LKP+22, OGR+24, YGR+24]. supply [ŘB24]. surface [VRC+22]. surfactant [WHK+23]. surrounding [SMD+20]. surveillance [DDDJ+20, DMH+21]. survivability [DLS+21]. Survival [ZWB+23, DZQ+22, MR23, PØN+21b, SJL+23, VFR+23, ZVYD23, ZCY+23]. Surviving [IFIZ22]. susceptibilities [PNØ+21]. Susceptibility [JVM+20, LFZ+22, CMLK+22, DPLL+21, FFB+21, GPL+22, GIS+21, IMAH21, IAH22, JW22, LWK20, LZK+23, LGJ21, MLL+22, MBR+22, PØN+21b, SPM+20, ZFC+23]. susceptible [HSH+20, TAK+21]. Sustainable [FM23]. swab [FSFS+20]. swabs [HSS+24]. swamp [BAT+24]. SWCNTs [GZL+21]. SWCNTs-based [GZL+21]. Sweden [PAH+22]. swim [MNPS23]. swimming [LLR+20]. Swiss [VWE+23]. switching [CGA+20]. Switzerland [DBDSP20, SPKS+20]. sympatric [LNK+21]. symptom [SMC+22]. symptomatic [KBG+23]. symptoms [TMM+24]. syncytial [KAS+24]. syndrome [AMM+22, BTN+24, BAT+24, CdPM+21, FMP+21, FMH+22, GVB+21, GSS+21, HLpSC22, JBP24, NCA+20, SPKS+20, SZH+22, SPHM23, SCX+21, SAB+22, TMM+24, TAK+21, VDC20, WBM21, WCT+23b, ZWX+22, ZLZ21, OSM+22b]. syndromes [JSW+21]. Synergistic [NHG+23, VRS+24, WQL+23]. syngnathid [DVR+20]. Synthesis [LZZ+23]. system [DZQ+22, FSS+21, OSM+22b, SCD+23, SFKB+20, TPSJS20a, TPSJS20b, TASP+20]. systematic [MBN+22, PTMC22, ZGL+20]. systematization [DBPH21]. Systemic [PAS+21, TSS+23]. systems [BTN+21, DDHT+22, HBRN24, LDR+22, LEV+20, MHP+20, PDL+23, QRTD+22, SAB+22].

T [YGC+20]. T-cell [YGC+20]. T. [NLR21]. T3SS [LTW+21]. T6SS [YZL+23]. T6SSs [JLH+21]. Tail [NRKK21, JBP24]. Taiwan [BRWC23, CRP+21, CRWC22, CCCC23, LCCC22, NRY+23, NNC+23, PCWC20, RCB+22, SWC21, TSC+23, YTH+24]. takanoi [GXW+23]. Takifugu [xCqXfL+21, FLH+21, KQW+21, LJK+24, QFW+23, SLH+24]. tank [JLM+20]. tank-reared [JLM+20]. tanks [PNØ+21]. Tapeworms [SKO21]. TaqMan [lLWC+24, YTS22]. tarda [AGR+22, RCB+22, SLH+24, WCT+23a]. target [DSD+22, ZDF+23]. targeting [CLF+22, GYN+24, SMP+22b]. targets [CLS+22, QST+21]. Tasmanian [FCH+22b]. taxonomy [LFG+23]. Taylor [RM20]. technique [PDZ+22]. technology

[HBRN24]. tegumental [KBMD21]. teleost [DPA+24, KH20]. Temminck [CLC+22, SJK+21, THH+21]. Temperature [UMD22, CLH+21, DHSM+20, FCH+22b, LWR+20, LDO+21, LFG+23, LYC+20, PSED+20, SMY+24, SZZ+23, VSOB22, WBB+21, WSS+20]. temperatures [FEH+22]. template [CGA+20]. temporal [JQT20, LNK+21]. temporarily [OBSH24]. Tenacibaculosis [SNT+22, AHCSCI20, IAH21]. Tenacibaculum [AHCSCI20, AHSCEBI23, EBAH24, IAH21, IMAH21, IAH22, JBB+24, NLR21, SCIAH21, SCALIAH23, SNT+22, VIB+21]. teratomas [PK24]. terminal [WWW+21]. terminalis [ZHpT+20]. test [HZFT21, IPC+24, PNØ+21, WCT+20]. tested [PØN+21b]. Testicular [NCA+20, MPP20a]. testing [CMLK+22, GIS+21]. tests [BLJ+21, GPC22, IAH22, JBG+23]. testudineus [DDH+22]. Tetracapsuloides [LKV+23, OSM22a, SSM+21, WBB+21]. tetrazona [CCP+21]. Thailand [MBR+22, NKZ+20, RBM+22, SKS+24]. their [ASG+22, ASA+20, CTOH20, CLS+22, DWY+20, KKBL21, NNC+23, RBM+22, SPM+20]. them [TAK+21]. therapeutic [ZMZ+22]. theront [YY24]. Thompson [FM23]. thou [BONB20]. threat [GRM+23]. threaten [ZOZ+20]. three [AGH+23, DWY+20, GYC+22, LGJ21, MAK+23, OSM22a, PS23, ZWZ+20]. throughout [MWZ+20]. throughput [LXW+20, WLK+22]. Thunnus [WBV+20]. Thyme [TR23]. thynnus [WBV+20]. thyrsites [MMW+22]. tiamulin [IAH22]. tiger [CCP+21, FMK+21, LJK+24]. Tilapia [SRN20, TSS+23, ALDMLEM20, AMM+22, BHEM21, DDH+22, DDDJ+20, DDHT+22, DDTG+21, DLS+21, DHSK+21, DSD+22, ESEI20, HBRN24, KAS+24, KDS+21, KDHS+23, LCTC20, LHC+22, Li23, MPS+22, MKT+21, NHG+23, NKZ+20, NLL+21, PDL+23, PHS+20, PTMC22, PDG+24, PTK+21, PYT+22, PSKW22, PPWC20, PS23, RCC+21, SLPF+20, SPS23, SRLARG24, SWC21, XFL+21, YTS22, YYS+22, YSW+22, YY24, ZSL+24a, ZZF+23, AONDO24, DDHT+22, DHSK+21, DSD+22, MKT+21, TNB+22, YPT+22]. tilapine [DDHT+22]. tilapinevirus [DHSK+21, MKT+21, YPT+22]. TiLV [TNB+22, DDDJ+20, DDTG+21, KDS+21, TNB+22, TSS+23]. time [FEH+22, GWF+22, GXL+24, HSS+24, HHZ+23, LCW+24, MSB+21, MMW+22, PSED+20, QWL+21, RKC+23, SKR+20, SRLARG24, TCS21]. TiPV [DSD+22]. Tissue [SM21, FYH+21, GPL+22, LZK+23, MMTD+21, MSB+21, SPS23, ZDF+23]. Tissue-specific [SM21]. tissues [HPR+22, LDM+20, LFP+24, NLH+20]. Tisza [SCV+20]. TLR2 [WCT+23a]. TLR2/4 [WCT+23a]. TNF [KQW+21]. TNF- [KQW+21]. Tobago [SBS+22]. TOF [BFvG+23]. tolerance [GWL+21, SYKC23]. Toll [LGH+21, CLH+21]. Toll-like [CLH+21]. tomentosa [NLH+20, SSM+20, SLK+23]. tomont [ZYB+23]. tool [CMM+20, KH20]. tools [DMB+21]. toxicity [BGZW22]. toxicosis

[GKU21]. toxin [BGZW22, WCT+20]. Trachinotus [ASG+22, AMS+24, YTH+24]. tract [KSI+20, KH20]. trade [SBS+22]. TRAF6 [SLH+24]. TRAIL [YSW+22]. trait [JØM+20, MRM21, MGG22]. traits [IHK+22]. transcription [KDS+21, SDMO+20]. transcriptional [DWY+20]. Transcriptome [xCqXfL+21, HWG+21, SDH22, XKF+22, ZHL+23, MWH+21, MVW+20, RGS+21, WZC+24, XJM+21]. transcriptomes [MHYW22b]. transcriptomic [Li23]. transfer [WZG+20]. transfrontier [SPHM23]. translocation [LTW+21]. Transmission [YYS+22, BHT+20, CMN+20, HZC+24, KSY+23, LCYL20, LYC+20, MLM+20, PSED+20, QGG+21, RFN+23, SRT+21, SLE+20, SFKB+20]. transmontanus [CMLK+22, GMK+21, PSH+20]. Trauma [HB20]. Trauma-induced [HB20]. treated [ASR+23]. treatment [KKL+22, MMTD+21, OBSH24, VPW+21, WSS+20, HB20]. Treatments [ZWB+23, DLS+21, PTBSF22, WJPS21]. trends [LDR+22]. trh [LWT+22]. trials [SVO+22]. Trichlorfon [dCJBG22, dAMHdOCF+23]. Trichopodus [SAKC20]. triggered [CZC+22]. Trinidad [SBS+22]. triplex [HLW+23]. Triploid [AMB+22]. trituberculatus [LLR+20]. trivalent [ZWZ+20]. tropism [MSB+21, SLE+20]. Trout [öTTS20, AMJ+21, AKR+21, ASF+21, AWF22, BAM+23, BIK+21, BZQV21, BTP+24, BMJ+21, CTP+23, EBAH24, ELB21, FEMMI+23, GVB+21, GSS+21, HSM+22, HHJ+21, JØM+20, JKM+20, KBG+23, KRS+20, LNK+21, LKV+23, LEV+20, LFSB+21, LJHH23, LPW+20, LPL22, MIC+24, OSM+22b, ÖTG22, PYD+22, PPT+20, QGG+21, RFN+23, SPKS+20, SM21, SMG+23, SVP+21, SEL+20, TBKY20, VIB+21, VWE+23, VFR+23, WBB+21, YZM+21]. Trpm4 [LFZ+21]. trumpeter [DBC+22]. trutta [LKV+23, LEV+20, LFSB+21, WBB+21]. tshawytscha [LFP+24, NKS+21, NPP+24, NLPM+21, PPT+20, SST+22]. tumor [BZQV21]. tumour [BBS+20]. tumours [STB+21]. tuna [WBV+20]. turbot [SDH22, WLH+20, WMS21, REB+20]. Turkey [PYD+22]. Turkish [KPC+22, TIK+22]. Türkiye [AOT22]. turtle [CRP+21]. turtles [CXC+24]. twins [YWZ+21]. Two [DDDJ+20, CTOH20, DZQ+22, FEMMI+23, IKT+23, KSY+23, LEV+20, Li23, MWH+21, PK24, RCG22, SDMO+20]. two-component [DZQ+22]. Two-year [DDDJ+20]. type [FdSB+22, PDM+21, SNY+21, ZYZ+20, MQK+20]. Typha [SCX+21]. typing [KKBL21, MSZV+23, QCZ+22].

UhpA [YMC+21]. Ukraine [RBP+20b]. ulcerations [VDD+20]. ulcerative [BTN+24, SPHM23, WBM21]. ultra [WCT+23b]. ultra-sensitive [WCT+23b]. Ultrasonography [CFGCCE21].

Ultrastructural [NKö+21, KBMD21]. underlying [QST+21]. understated [DBDSP20]. unique [TBB+21, XJM+21]. United [KB21, KRS+20]. Unusual [APS23]. Unveiling [WGE+24, MR23]. update [AHTCDI20]. updated [KRS+20]. upon [CMN+20, YCC+21]. upregulates [LFA20]. uptake [AHSB+22, WZC+24]. Urinary [DBC+22]. USA [FM23, ZAG+20, GMK+21, SEL+20, WBM21]. usage [PKF+21]. Use [öTTS20, FSFS+20, LEV+20, LdL20, PNØ+21]. used [JW22, LKD+24, ORV+24]. useful [PDZ+22]. Usefulness [DSD+22]. uses [CZMP21]. using [ADAO22, AHTCDI20, BRWC23, DDTG+21, DMH+21, DGB+22, EJH+23, FCH+22a, FdSB+22, HSS+24, IAH22, NKö+21, ÖTG22, PNAS22, PTP+23, PYT+22, PS23, RCC+21, TCS21, ÚPZ+23, VRC+22, WRMT24, ZLS+21]. Utilisation [ABA+23]. utilization [AHSCEBI23]. UV [TPSJS20b].

V [PDM+21]. V. [HSH+20]. vaccinated [BFC+23, KBG+23]. vaccination [FYH+21, HSM+22, LCYL20, MLHD+23]. vaccine [BMK+20, CLS+22, DZJ+21, GZL+21, JBB+24, LTW+21, LH20, LJHH23, LDW+23, LPGW+22, RBP+20a, SMY+24, SOE+21, SGW+22, XJZ+22, YGZ+22, ZZL+21, ZLY+22, ZSG+23]. Vaccines [FM23, JXJ+22, MKT+21, RTA21, TSV+22, YZM+21, lZWC+20]. Vagococcus [SEL+20, SLE+20, SMP+22b]. Valenciennes [SDMO+20]. value [CSE21]. values [MBN+22]. Vanillic [LXZ+21]. vannamei [BLL23, BTN+21, CMN+20, CCCC23, HLpSC22, LDR+22, LKP+22, LCCC22, LXW+21, LDO+21, LGH+21, MWH+21, QCZ+22, RRK+23, SAB+22, TPSJS20a, TPSJS20b, WSW+20]. Vannella [JKM+20]. vapA [PDM+21]. var [SGR+20a, XKF+22]. varia [BCT+20a]. variability [GLS+21, LPGA+21]. variance [FEM+20]. variant [DGB+22]. variants [RGH+22]. variation [LYC+20, RCB+22]. Variations [PBF+21, ELB21, JQT20, MRM21, RCS+22, Roh22]. varies [MWZ+20]. various [AAZR+20, FMH+22, UCB+21]. VC [CCL+24]. vector [ZSG+23]. vermilion [HB20]. Vermont [BSS+20]. Vermont/Quebec [BSS+20]. Veronaea [CMLK+22, GMK+21]. veronii [CZJ+23, PHB+23, SYKC23, YCS+21, ZJF+22, ZLWL23, ZYL+22]. versus [DŽR+21, KBG+23]. vertebra [JVM+20]. vertebra-derived [JVM+20]. vertebrae [TBK+20]. Vertebral [TBK+20, LFP+24]. Vertebrate [LFA20]. Vertical [RFN+23, MLM+20]. verum [LYX+20]. vesicles [EBELIAH20, EBBIAH21, EBAH24]. veterinary [NTB+24]. vgrG [YZL+23]. VHS [MSB+21]. VHSV [LPW+20]. VI [PDM+21]. via [DXD+21, HWM+24, NGC+23, RKC+23, ZLWL23]. viability [DMB+21, VSOB22]. Vibrio [AEE+23, BTN+21,

BFvG+23, BCT+20b, CTOH20, CDY+20, CCL+24, DXL+20b, EBELIAH20, EMH+22, FMK+21, FYH+21, GKTC+21, GWL+21, GZW+23, HSH+20, KKL+22, LXW+21, LJHH23, LDW+23, LXZ+21, LWT+22, MWH+21, NSTS24, OKL+22, RRK+23, Roh22, SZZ+23, SDH22, THW+22, WZC+24, WMS21, WCT+20, WGE+24, ZSL+24a, ZGC+22, ZTY+22, ZDZZ22, ZHL+23, ZLY+22]. Vibrionaceae [RBM+22]. vibrios [ZVYD23]. vibriosis [FMK+21, HSH+20]. vibriosis-infected [FMK+21]. Vietnam [DNN+22, DDH+22, KNG+22, PEN+21, TNB+22]. Violacein [VBG+22]. VipB [SYKC23]. viraemia [DZJ+21, GZL+21, RCW+23, ZZL+21]. Viral [BPA+20, AKR+21, AAZR+20, ASF+21, BAM+23, CLF+22, CCV+24, CLC+22, FAG+22, FZC+23, GYN+24, HAK+20, IHK+22, LL21, LLJ+21, LYF+21, MR23, NRKK21, SMG+23, TBK+22, TBKY20, TASP+20, UCB+21, WXM+22, WWK+20, ZHL+22, ZLS+21, ZMZ+22]. Virginia [WBM21]. virological [ASG+22, AMS+24]. virology [LjY+22]. Virucidal [AAZR+20]. Virulence [ELB21, SOE+21, VGW+21, ASNA24, AKR+21, AGR+22, BCT+20b, BRWC23, CCY+23, CRP+21, CZJ+23, DXL+20b, FVC+21, GPC22, LJHH23, LLR+20, LPGA+21, NRC+23, NLPM+21, RRK+23, RKL+20, SCIAH21, SCAH22, SYKC23, TIK+22, WZC+24, Wel20, WGE+24, YCS+21, YMC+21, ZJF+22, lZWC+20, ZYL+22, ZSL+24b]. virulence-neutralizing [Wel20]. virulence-related [RRK+23, RKL+20]. virulent [BMSC21, LJHH23]. Virus [DHF+22, TNB+22, ABBP24, AMJ+21, AKR+21, AAZR+20, ASF+21, BPA+21, BAM+23, BAT+24, CYX+22, CGA+20, CSDS21, CCV+24, Cow20, DAW+22, DDDJ+20, DDTG+21, DGB+22, DZJ+21, GZL+21, GXL+24, HZFT21, HLpSC22, HSG+21, HAK+20, JXJ+22, KDS+21, KSG+23, KSM+21, KKH+24, LHC+22, Li23, LL21, LGH+21, LCYL20, MPPF21, MPMB+20, MSB+21, MPA+21, MPP+20b, MLM+20, NKö+21, PPDG+22, PSV+21, RCW+23, RGH+22, SPS23, SZH+22, SSMC22, SCX+21, SRN20, SAB+22, SRP+21, TBK+22, TBKY20, TAK+21, TR23, TSS+23, UCB+21, VSODB21, VSOB22, WYR+23, WCT+23b, YYS+22, YLC+21, ZHL+22, ZWX+22, ZZL+21, ZLZ21, ZSG+23, ZOZ+20, DDHT+22, KSD+20]. virus-associated [SRP+21]. virus-infected [YYS+22]. virus-like [Li23]. virus-related [MPA+21]. viruses [DWY+20, GPL+22, LZK+23, MWY+22, MHYW22b, PS23]. visceral [LWR+20]. viscosa [CWB+20b, SSP+23]. visual [CCG24, FCH+22a, KDS+21, PTK+21, WML+21, ZHY+21]. visualization [PSV+21]. visualized [YDM+21]. vitamin [DPA+24]. vitro [ASA+20, AHSCEBI23, BAM+23, CMLK+22, FSS+21, FdSB+22, IAH22, JKM+20, KSM+21, LAH21, LHC+22, LYZ+22, SVP+24, TR23, ZHL+22, YYS+24]. vivo

[LYZ+22, SJL+23, ZYH+23, YYS+24]. volumes [MMW+22]. VP2 [TIK+22]. vulnificus [BFvG+23, ZLY+22].

W1 [LPW+20, SMG+23]. Walbaum [AMJ+21, AWF22, BZQV21, BTP+24, GSS+21, HHJ+21, LHH+22, PYD+22]. wall [HCW+20, NRC+23]. warm [SFKB+20]. warm-blooded [SFKB+20]. was [AOT22, DDHT+22]. waste [NSTS24]. Wastes [öTTS20]. Water [PSED+20, TPSJS20b, AEE+23, BLL23, BTN+21, HHZ+23, LWR+20, PTMC22, ŘB24, SMD+20, SPHM23, SJK+21, SNT+22, UCB+21, VSOB22, WBB+21, YPT+22]. waters [MFP21, RSPB22]. weather [ZYZ+20]. Weber [IAO20]. weight [MFP21, PØN+21b]. West [WBM21]. western [JLM+20, MNB+24, WCT+23a, VKK+22]. Westphalian [DHF+22]. Where [BONB20]. which [HCW+20, HWC+21]. whirling [KRS+20]. White [BAT+24, BTN+21, BFH+23, CMLK+22, FFB+21, GMK+21, HCC+22, HLpSC22, LWR+20, LXW+21, PSH+20, RRK+23, SZH+22, SCX+21, SAB+22, TPSJS20a, TPSJS20b, TAK+21, WSW+20, WQL+23, WCT+23b, WGE+24, ZWX+22, ZLZ21, NRKK21]. whitefish [HKB+22]. whiteleg [BLL23, LGH+21]. whitespotted [MAG24, SGU+21]. Whole [HAK+20, IHK+22, CCY+23]. Whole-genome [HAK+20, IHK+22, CCY+23]. wide [CLH+21, DDDJ+20, GLS+21, NNC+23, RCB+22, RKL+20, Roh22]. wild [BPA+20, BFH+23, ELS+23, FdSB+22, HKB+22, JDA+20, KRS+20, KKH+24, LNK+21, MPP20a, MPA+21, PAH+22, PVCG20, QGG+21, SPKS+20, VDC20, ZAG+20]. wild-caught [KRS+20, VDC20]. wild-type [FdSB+22]. wingei [PK24]. Wisconsin [LKD+24, SEL+20]. withdrawal [RKC+23]. within [DDHT+22, IVR+23, PSH+21]. without [MSF+20]. working [FAG+22]. wound [AONDO24, CFGCCE21]. wound-inflicting [AONDO24]. wrasse [PDM+21, PGH+21]. WSSV [CMN+20, TAK+21, ZLZ21]. WSSV-infected [CMN+20]. wuhanensis [KB21].

x [DWK+22]. x-cell [DWK+22]. XIIBs [XQZ+22].

Yamaguti [CRWC22]. year [DDDJ+20]. yeast [RGS+21]. yellow [LWR+20, LLC+21, LCW+24, SJL+23]. yellowfin [LjY+22, LZC+24, ZFC+23]. Yersinia [AABB23, BLJ+21, BAM+23, BIK+21, FEMMI+23, RCG22, RGS+22, SM21, VLSM+20, Wel20, YZM+21]. young [FMP+21].

Z1 [YJL+23b]. Z1-26 [YJL+23b]. Zambezi [SPHM23]. Zambia [BHEM21]. Zealand [JBB+24, JSW+21]. zebra [SHS+22a]. Zebrafish [AHBE+20, MSB+21, NSP20, RGS+21, APK+23, CSE21, CLH+21, CZC+22, CCV+24,

CLS+22, FdSB+22, JW22, KSS+20, KMH+21, MVW+20, NLH+20, PKF+21, SSM+20, SKAS+22, SLK+23, SSM+20, WLTZ21]. Zeylanicobdella [MHP+20]. Zimbabwe [SPHM23]. znuA [HWZ+21]. zoeae [MWZ+20]. zoonotic [BFvG+23]. zooplankton [TBB+21].

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[Ano21j] Anonymous. Issue Information. *Journal of Fish Diseases*, 44(7):i–iv, July 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2021:IIh

[Ano21k] Anonymous. Issue Information. *Journal of Fish Diseases*, 44(8):i–iv, August 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2021:IIi

[Ano21l] Anonymous. Issue Information. *Journal of Fish Diseases*, 44 (9):ii–iv, September 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2021:IIj

[Ano21m] Anonymous. Issue Information. *Journal of Fish Diseases*, 44 (10):ii–iv, October 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2021:IIk

[Ano21n] Anonymous. Issue Information. *Journal of Fish Diseases*, 44 (11):i–iv, November 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2021:IIl

[Ano21o] Anonymous. Issue Information. *Journal of Fish Diseases*, 44 (12):i–iv, December 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:CI

[Ano22a] Anonymous. Cover image. *Journal of Fish Diseases*, 45(1): i, January 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIa

[Ano22b] Anonymous. Issue information. *Journal of Fish Diseases*, 45 (1):ii–iv, January 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIb

[Ano22c] Anonymous. Issue information. *Journal of Fish Diseases*, 45 (2):i–iv, February 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIc

[Ano22d] Anonymous. Issue information. *Journal of Fish Diseases*, 45(3):i–iv, March 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IId

[Ano22e] Anonymous. Issue information. *Journal of Fish Diseases*, 45(4):i–iv, April 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIe

[Ano22f] Anonymous. Issue information. *Journal of Fish Diseases*, 45(5):i–iv, May 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIf

[Ano22g] Anonymous. Issue information. *Journal of Fish Diseases*, 45(6):ii–iv, June 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIg

[Ano22h] Anonymous. Issue information. *Journal of Fish Diseases*, 45(7):i–iv, July 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIh

[Ano22i] Anonymous. Issue information. *Journal of Fish Diseases*, 45(8):i–iv, August 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIi

[Ano22j] Anonymous. Issue information. *Journal of Fish Diseases*, 45 (9):ii–iv, September 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIj

[Ano22k] Anonymous. Issue information. *Journal of Fish Diseases*, 45 (10):i–iv, October 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIk

[Ano22l] Anonymous. Issue information. *Journal of Fish Diseases*, 45 (11):i–iv, November 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2022:IIl

[Ano22m] Anonymous. Issue information. *Journal of Fish Diseases*, 45 (12):i–iv, December 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIa

[Ano23a] Anonymous. Issue information. *Journal of Fish Diseases*, 46 (1):i–iv, January 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIb

[Ano23b] Anonymous. Issue information. *Journal of Fish Diseases*, 46 (2):i–iv, February 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIc

[Ano23c] Anonymous. Issue information. *Journal of Fish Diseases*, 46(3):i–iv, March 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IId

[Ano23d] Anonymous. Issue information. *Journal of Fish Diseases*, 46(4):i–iv, April 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIe

[Ano23e] Anonymous. Issue information. *Journal of Fish Diseases*, 46(5):i–iv, May 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIf

[Ano23f] Anonymous. Issue information. *Journal of Fish Diseases*, 46(6):i–iv, June 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIg

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Anonymous:2023:IIh

[Ano23h] Anonymous. Issue information. *Journal of Fish Diseases*, 46(8):i–iv, August 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIi

[Ano23i] Anonymous. Issue information. *Journal of Fish Diseases*, 46 (9):i–iv, September 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIj

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Anonymous:2023:IIk

[Ano23k] Anonymous. Issue information. *Journal of Fish Diseases*, 46 (11):i–iv, November 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIl

[Ano23l] Anonymous. Issue information. *Journal of Fish Diseases*, 46 (11):i–iv, November 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2023:IIm

[Ano23m] Anonymous. Issue information. *Journal of Fish Diseases*, 46 (12):i–iv, December 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2024:IIa

[Ano24a] Anonymous. Issue information. *Journal of Fish Diseases*, 47(1):e13802:1–e13802:??, January 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2024:IIb

[Ano24b] Anonymous. Issue information. *Journal of Fish Diseases*, 47(2):e13803:1–e13803:??, February 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2024:IIc

[Ano24c] Anonymous. Issue information. *Journal of Fish Diseases*, 47(3):e13804:1–e13804:??, March 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2024:IId

[Ano24d] Anonymous. Issue information. *Journal of Fish Diseases*, 47 (4):e13805:1–e13805:??, April 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2024:IIe

[Ano24e] Anonymous. Issue information. *Journal of Fish Diseases*, 47 (5):e13806:1–e13806:??, May 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Anonymous:2024:IIf

[Ano24f] Anonymous. Issue information. *Journal of Fish Diseases*, 47 (6):e13807:1–e13807:??, June 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Avenant-Oldewage:2024:PCI

[AONDO24] Annemariè Avenant-Oldewage, Kazuya Nagasawa, Quinton M. Dos Santos, and Willie H. Oldewage. Pathology caused by introduced *Neoergasilus japonicus* (Copepoda: Ergasilidae) to the skin of indigenous *Tilapia sparrmanii* in South Africa and scanning electron microscopy study of wound-inflicting structures. *Journal of Fish Diseases*, 47(1): e13867:1–e13867:??, January 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Altinok:2022:NAR

[AOT22] Ilhan Altinok, Rafet Cagri Ozturk, and Mustafa Ture. NGS analysis revealed that *Lactococcus garvieae* Lg-Per was *Lactococcus petauri* in Türkiye. *Journal of Fish Diseases*, 45 (12):1839–1843, December 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Antinero:2023:RSD

[APK+23] Ariel Antinero, Alice Printzi, Chara Kourkouta, Stefanos Fragkoulis, David Mazurais, Jose Luis Zambonino-Infante, and George Koumoundouros. The role of starter diets in the development of skeletal abnormalities in zebrafish *Danio rerio* (Hamilton, 1822). *Journal of Fish Diseases*, 46(6):697–705, June 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Adamek:2023:USI

[APS23] Zdeněk Adámek, Miroslava Palíková, and Tomáš Scholz. Unusual sites of infection of *Ligula intestinalis* (Cestoda) plerocercoids in an intermediate host, freshwater bream *Abramis brama*. *Journal of Fish Diseases*, 46(7):791–793, July 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Ahmed:2020:VAA

[ASA+20] Fatma Ahmed, Faiza M. Soliman, Mohamed A. Adly, Hamdy A. M. Soliman, Mansour El-Matbouli, and Mona Saleh. In vitro assessment of the antimicrobial efficacy of chitosan nanoparticles against major fish pathogens and their cytotoxicity to fish cell lines. *Journal of Fish Diseases*, 43 (9):1049–1063, September 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Ashfaq:2021:KCL

[ASF+21] Hassan Ashfaq, Hatem Soliman, Sabine Fajmann, Veronika Sexl, Mansour El-Matbouli, and Mona Saleh. Kinetics of CD4-1+ lymphocytes in brown trout after exposure to viral haemorrhagic septicaemia virus. *Journal of Fish Diseases*, 44(10):1553–1562, October 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Abdul:2022:DCF

[ASG+22] Nafeez Ahmed Abdul, Abdul Majeed Seepoo, Taju Gani, Vimal Sugumar, Suryakodi Selvam, Badhusha Allahbagash, Abdul Nazar Abdul kuthoos, Ramesh Kumar Palsamy, Paknikar Kishore M., Jyutika M. Rajwade, and Sait Sahul Hameed Azeez. Development and characterization of five novel cell lines from snubnose pompano, *Trachinotus blochii* (Lacepede, 1801), and their application in gene expression and virological studies. *Journal of Fish Diseases*, 45(1):121–139, January 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Aboyadak:2024:RAG

[ASNA24] Ibrahim Mohamed Aboyadak, Magdy Khalil Soliman, Hadeer Mohamed Nageeb, and Nadia Gabr Ali. The role of *Aeromonas* genotyping in virulence for *Dicentrarchus labrax*.

Journal of Fish Diseases, 47(2):e13878:1–e13878:??, February 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Ali:2023:BRE

[ASR+23] Shandana Ali, Syed Ata Ur Rahman Shah, Muhammad Rauf, Maizom Hassan, Waheed Ullah, and Farman Ullah Dawar. Bactericidal role of epidermal mucus of freshwater fish treated with *Aeromonas hydrophila*. *Journal of Fish Diseases*, 46(11):1225–1237, November 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Avila:2022:DRF

[AWF22] Brian W. Avila, Dana L. Winkelman, and Eric R. Fetherman. Dual resistance to *Flavobacterium psychrophilum* and *Myxobolus cerebralis* in rainbow trout (*Oncorhynchus mykiss*, Walbaum). *Journal of Fish Diseases*, 45(6):801–813, June 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bauer:2023:VMI

[BAM+23] Julia Bauer, Mikolaj Adamek, Anne-Carina Miebach, Jakob Gährken, Stephan Wessels, Jens Tetens, Carsten Dietz, Angela Sünder, Marek Matras, Magdalena Stachnik, Michal Reichert, and Dieter Steinhagen. In vitro modelling of the influence of alternative feeds (*Hermetia illucens*, *Arthrospira platensis*) on the resistance of different rainbow trout populations (*Oncorhynchus mykiss*) against the viral haemorrhagic septicaemia virus and *Yersinia ruckeri*. *Journal of Fish Diseases*, 46(11):1269–1283, November 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Badhusha:2022:FRO

[BAS+22] Allahbagash Badhusha, Abdul Nafeez Ahmed, Selvam Suryakodi, Mohamed Jaffer Abdul Wazith, Sivaraj Mithra, Kumarasamy Kanimozhi, Seepoo Abdul Majeed, Gani Taju, and Azeez Sait Sahul Hameed. First report on the occurrence of cyprinid herpesvirus 3 in koi carp (*Cyprinus carpio koi*) in India. *Journal of Fish Diseases*, 45(8):1087–1098, August 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bruce:2024:WSS

[BAT+24] Timothy J. Bruce, Jason W. Abernathy, Nicole Tripp, Nicholas Barnes, Courtney E. Harrison, Abdulmalik A. Oladipupo, Justin D. Krol, Allison L. Wise, Janet V. Warg, and James A. Stoeckel. White spot syndrome virus in Alabama red swamp crayfish (*Procambarus clarkii*). *Journal of Fish Diseases*, 47(2):e13873:1–e13873:??, February 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bekavac:2022:DII

[BBD+22] Ana Bekavac, Ana Beck, Paula Dragičević, Zrinka Dragun, Ivana Maguire, Dušica Ivanković, Željka Fiket, Romana Gračan, and Sandra Hudina. Disturbance in invasion? Idiopathic necrotizing hepatopancreatitis in the signal crayfish *Pacifastacus leniusculus* (Dana, 1852) in Croatia. *Journal of Fish Diseases*, 45(2):261–276, February 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Branco:2021:FDM

[BBG21] Ciara E. Branco, Robert Chad Boyce, and David T. Gauthier. Feeding duration of *Myzobdella lugubris* leech on largemouth bass (*Micropterus salmoides*). *Journal of Fish Diseases*, 44(3):355–358, March 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Budai:2020:OMG

[BBS+20] Jane Budai, Paola Beraldo, Rubina Sirri, Rosanna Panebianco, Giuseppe Sarli, and Marco Galeotti. Ovarian mixed germ cell–sex cord–stromal tumour in a European seabass, *Dicentrarchus labrax* (Linnaeus, 1758). *Journal of Fish Diseases*, 43(11):1453–1457, November 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Box:2020:PMI

[BCT+20a] Antonio Box, Xavier Capó, Silvia Tejada, Antoni Sureda, Laia Mejías, and José María Valencia. *Perkinsus mediterraneus* infection induces oxidative stress in the mollusc *Mimachlamys varia*. *Journal of Fish Diseases*, 43(1):1–7, January 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bunpa:2020:OMP

[BCT+20b] Supansa Bunpa, Nattarika Chaichana, Jade L. L. Teng, Hwei Huih Lee, Patrick C. Y. Woo, Decha Sermwittayawong, Nongyao Sawangjaroen, and Natthawan Sermwittayawong. Outer membrane protein A (OmpA) is a potential virulence factor of *Vibrio alginolyticus* strains isolated from diseased fish. *Journal of Fish Diseases*, 43(2):275–284, February 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bergmann:2021:SRK

[BDK+21] Sven Michael Bergmann, Juliane Dabels, Sandro Klafack, Yeonwha Jin, Pei-Yu Lee, Arndt Christian Hofmann, Yingying Wang, Qing Wang, Yingying Li, Weiwei Zeng, Angela Lusiastuti, Shucheng Zheng, Yijuan Jin, Jolanta Kiełpińska, and Sean Monaghan. Serological responses to koi herpesvirus (KHV) in a non-cyprinid reservoir host. *Journal of Fish Diseases*, 44(8):1229–1236, August 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bustos:2023:IRI

[BFC+23] Paulina Bustos, Carolina Figueroa, Bárbara Cádiz, Tamara Santander, Brian Dixon, José A. Gallardo, and Pablo Conejeros. Immune response induced by coinfection of the sea louse *Caligus rogercresseyi* and the intracellular bacteria *Piscirickettsia salmonis* in vaccinated Atlantic salmon. *Journal of Fish Diseases*, 46(12):1337–1342, December 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Brimsholm:2023:RMF

[BFH+23] Malin Brimsholm, Per Gunnar Fjelldal, Tom Hansen, Thomas Kenneth William Fraser, Monica Solberg, Kevin Glover, Erling Olaf Koppang, and Håvard Bjørgen. Red and melanized focal changes in white skeletal muscle in Atlantic salmon (*Salmo salar*): Comparative analysis of farmed, wild and hybrid fish reared under identical conditions. *Journal of Fish Diseases*, 46(12):1377–1389, December 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Boonstra:2023:FAI

[BFvG+23] Mirjam Boonstra, Belén Fouz, Betty van Gelderen, Inger Dalsgaard, Lone Madsen, Eva Jansson, Carmen Amaro, and Olga Haenen. Fast and accurate identification by MALDI-TOF of the zoonotic serovar E of *Vibrio vulnificus* linked to eel culture. *Journal of Fish Diseases*, 46(4):445–452, April 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bao:2022:CTS

[BGZW22] Shuaiming Bao, Shuangshuang Gao, Mengmeng Zhang, and Yongjie Wang. Characterization of toxicity and structure of PirAB^{vc}-like proteins that are structurally almost identical to shrimp AHPND-causing PirAB toxin. *Journal of Fish Diseases*, 45(2):315–326, February 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bwalya:2021:LGI

[BHEM21] Patricia Bwalya, Bernard M. Hang'ombe, Øystein Evensen, and Stephen Mutoloki. *Lactococcus garvieae* isolated from Lake Kariba (Zambia) has low invasive potential in Nile tilapia (*Oreochromis niloticus*). *Journal of Fish Diseases*, 44 (6):721–727, June 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bridle:2021:EEL

[BHS+21] Andrew R. Bridle, Thomas Hill, Aaron Smith, Philip Crosbie, and Barbara F. Nowak. Experimental exposure to low concentrations of *Neoparamoeba perurans* induces amoebic gill disease in Atlantic salmon. *Journal of Fish Diseases*, 44 (7):1025–1031, July 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Buss:2020:RTB

[BHT+20] Jessica Jamuna Buss, James Owen Harris, Jason Elliot Tanner, Kathryn Helen Wiltshire, and Marty Robert Deveney. Rapid transmission of *Bonamia exitiosa* by cohabitation causes mortality in *Ostrea angasi*. *Journal of Fish Diseases*, 43(2):227–237, February 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bilen:2021:EGJ

[BIK+21] Soner Bilen, Selcuk Ispir, Osman Nezih Kenanoglu, Yiğit Taştan, Kerim Güney, and Ertugrul Terzi. Effects of Greek juniper (*Juniperus excelsa*) extract on immune responses and disease resistance against *Yersinia ruckeri* in rainbow trout (*Oncorhynchus mykiss*). *Journal of Fish Diseases*, 44(6): 729–738, June 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bracamonte:2021:EAC

[BKM21] Seraina E. Bracamonte, Klaus Knopf, and Michael T. Monaghan. Encapsulation of *Anguillicola crassus* reduces the abundance of adult parasite stages in the European eel (*Anguilla anguilla*). *Journal of Fish Diseases*, 44(6):771–782, June 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Baron:2021:ABC

[BLJ+21] Sandrine Baron, Emeline Larvor, Eric Jouy, Isabelle Kempf, Sophie Le Bouquin, Claire Chauvin, Pierre-Marie Boitard, Matthieu Jamin, Alain Le Breton, Benoit Thuillier, and Peter Smith. Agreement between the categorization of isolates of *Aeromonas salmonicida* and *Yersinia ruckeri* by disc diffusion and MIC tests performed at 22^{o}C. *Journal of Fish Diseases*, 44(7):979–985, July 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Ballantyne:2023:FIH

[BLL23] Rolissa Ballantyne, Jai-Wei Lee, and Chun-Hung Liu. First identification and histopathological analysis of *Lactococcus garvieae* infection in whiteleg shrimp, *Penaeus vannamei* cultured in low salinity water. *Journal of Fish Diseases*, 46(9):929–942, September 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Brown:2020:FSH

[BME+20] Tori Brown, Zach Millar, Drake Evans, Phuc H. Pham, Veronique LePage, and John S. Lumsden. *Fusarium solani* haplotype 12-b and aortic and branchial arteritis in *Hippocampus erectus* Perry. *Journal of Fish Diseases*, 43(2): 301–304, February 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bruce:2021:AFP

[BMJ+21] Timothy J. Bruce, Jie Ma, Evan M. Jones, Brent M. Vuglar, Luke P. Oliver, Christopher Knupp, Thomas P. Loch, and Kenneth D. Cain. Assessment of *Flavobacterium psychrophilum*-associated mortality in Atlantic salmon (*Salmo salar*) and brook trout (*Salvelinus fontinalis*). *Journal of Fish Diseases*, 44(5):645–653, May 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bruce:2020:CPL

[BMK+20] Timothy J. Bruce, Jie Ma, Christopher Knupp, Thomas P. Loch, Mohamed Faisal, and Kenneth D. Cain. Cross-protection of a live-attenuated *Flavobacterium psychrophilum* immersion vaccine against novel *Flavobacterium* spp. and *Chryseobacterium* spp. strains. *Journal of Fish Diseases*, 43 (8):915–928, August 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bruce:2020:IEC

[BMO+20] Timothy J. Bruce, Jie Ma, Luke P. Oliver, Evan M. Jones, Benjamin R. LaFrentz, and Kenneth D. Cain. Isolation and experimental challenge of cultured burbot (*Lota lota maculosa*) with *Flavobacterium columnare* and *Aeromonas* sp. isolates. *Journal of Fish Diseases*, 43(8):839–851, August 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bruce:2021:QCG

[BMSC21] Timothy J. Bruce, Jie Ma, Ponnerassery S. Sudheesh, and Kenneth D. Cain. Quantification and comparison of gene expression associated with iron regulation and metabolism in a virulent and attenuated strain of *Flavobacterium psychrophilum*. *Journal of Fish Diseases*, 44(7):949–960, July 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bui:2020:WAT

[BONB20] Samantha Bui, Frode Oppedal, Velimir Nola, and Luke T. Barrett. Where art thou louse? A snapshot of attachment location preferences in salmon lice on Atlantic salmon hosts in sea cages. *Journal of Fish Diseases*, 43(6):697–706, June

2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Boukedjouta:2020:VER

[BPA+20] Rachid Boukedjouta, Tobia Pretto, Miriam Abbadi, Lorena Biasini, Anna Toffan, and Karim Mezali. Viral encephalopathy and retinopathy is endemic in wild groupers (genus *Epinephelus* spp.) of the Algerian coast. *Journal of Fish Diseases*, 43(7):801–812, July 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Baud:2021:GDC

[BPA+21] Marine Baud, Laurane Pallandre, Fabrice Almeras, Loeiz Maillet, David Stone, and Laurent Bigarré. Genetic diversity of the carp oedema virus in France. *Journal of Fish Diseases*, 44(10):1531–1542, October 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Behrens:2023:CHL

[BRCI23] Jane W. Behrens, Marie Plambech Ryberg, Virginia Chondromatidou, and Tine Moesgaard Iburg. Comparative histopathology of livers from Baltic cod infected with the parasitic nematode *Contracaecum osculatum*. *Journal of Fish Diseases*, 46(6):653–662, June 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Brimsholm:2023:DMR

[BRR+23] Malin Brimsholm, Line Rønning, Espen Rimstad, Erling Olaf Koppang, and Håvard Bjørgen. Diffuse melanization of the red skeletal musculature in farmed Atlantic salmon (*Salmo salar* L.). *Journal of Fish Diseases*, 46(4): 453–458, April 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Byadgi:2023:CGE

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Blazer:2020:MMB

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[OKL+22] Ebrahim Osman, Nameun Kim, Yoonhang Lee, Juri Yoo, Sung-Hyun Kim, and Do-Hyung Kim. Molecular approaches for detection and quantification of *Vibrio scophthalmi* based on recA. *Journal of Fish Diseases*, 45(2):373–378, February 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[OSM22a] Tone Jøran Oredalen, Mona Sæbø, and Tor Atle Mo. Patterns of *Tetracapsuloides bryosalmonae* infection of three salmonid species in large, deep Norwegian lakes. *Journal of Fish Diseases*, 45(1):185–202, January 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[ÖTG22] Rahmi Can Özdemir, Yiğit Taştan, and Kerim Güney. Prevention of *Saprolegniasis* in rainbow trout (*Oncorhynchus mykiss*) eggs using oregano (*Origanum onites*) and laurel (*Laurus nobilis*) essential oils. *Journal of Fish Diseases*, 45 (1):51–58, January 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PBT+23] Ewa Paździor, Arkadiusz Bomba, Katarzyna Tłuścik, Katarzyna Nadolna-Ałtyn, Magdalena Podolska, Michał Reichert, Dariusz Wasyl, and Agnieszka Pekala-Safińska. Phylogenetic analysis of *Shewanella* spp. isolated from fish. *Journal of Fish Diseases*, 46(11):1163–1171, November 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PCWC20] Trung Hieu Pham, Ta-Chih Cheng, Pei-Chi Wang, and Shih-Chu Chen. Genotypic diversity, and molecular and pathogenic characterization of *Photobacterium damselae* subsp. *piscicida* isolated from different fish species in Taiwan. *Journal of Fish Diseases*, 43(7):757–774, July 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PDG+24] Virgínia F. Pedrosa, Pedro A. De P. Dos Santos, Luana B. Giesta, Julio C. Zemor, Marcelo H. Okamoto, Andrezza C. Chagas, Aline da C. Bezerra, Luis H. da S. Poersch, and Luis A. Romano. Occurrence of hepatic and splenic lipomas in Nile tilapia (*Oreochromis niloticus*). *Journal of Fish Diseases*, 47(1):e13869:1–e13869:??, January 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[POS+20] Elcimara Cardoso Pereira, Elzamara Castro Oliveira, Elen Monique Oliveira Sousa, Hugo Napoleão Pereira Silva, Lincoln Lima Corrêa, Rosa Helena Veras Mourão, Marcos

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[PPWC20] Sayuj Poudyal, Theeraporn Pulpipat, Pei-Chi Wang, and Shih-Chu Chen. Comparison of the pathogenicity of *Francisella orientalis* in Nile tilapia (*Oreochromis niloticus*), Asian seabass (*Lates calcarifer*) and largemouth bass (*Micropterus salmoides*) through experimental intraperitoneal infection. *Journal of Fish Diseases*, 43(9):1097–1106, September 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PRC20] Nguyen Ngoc Phuoc, Randolph Richards, and Margaret Crumlish. Establishing bacterial infectivity models in striped Catfish *Pangasianodon hypophthalmus* (Sauvage) with *Edwardsiella ictaluri*. *Journal of Fish Diseases*, 43(3):371–378, March 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PRW24] Trygve T. Poppe, Anne Katrine Reed, and Helene Wisløff. Basibranchial structure affecting cardiac morphology in Atlantic salmon (*Salmo salar* L.). *Journal of Fish Diseases*, 47 (4):e13911:1–e13911:??, April 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PSED+20] Amparo Picard-Sánchez, Itziar Estensoro, Raquel Del Pozo, Oswaldo R. Palenzuela, Maria Carla Piazzon, and Ariadna Sitjà-Bobadilla. Water temperature, time of exposure and population density are key parameters in *Enteromyxum leei* fish-to-fish experimental transmission. *Journal of Fish Diseases*, 43(4):491–502, April 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PSH+20] Felipe Pierezan, Khalid Shahin, Taylor I. Heckman, June Ang, Barbara A. Byrne, and Esteban Soto. Outbreaks of severe myositis in cultured white sturgeon (*Acipenser transmontanus* L.) associated with *Streptococcus iniae*. *Journal of Fish Diseases*, 43(4):485–490, April 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PSH+21] Marianne I. Parent, Henrik Stryhn, K. Larry Hammell, Mark D. Fast, Jon Grant, and Raphaël Vanderstichel. Estimating the dispersal of *Lepeophtheirus salmonis* sea lice

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[PSKW22] Patharapol Piamsomboon, Sayamon Srisuwatanasagul, Kittipot Kongsonthana, and Janenuj Wongtavatchai. *Streptococcus agalactiae* infection caused spinal deformity in juvenile red tilapia (*Oreochromis* sp.). *Journal of Fish Diseases*, 45(4):603–606, April 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PSPP+22] Laurane Pallandre, Heike Schmidt-Posthaus, Françoise Pozet, Mélanie Rupp, Elodie Cristina, and Laurent Bigarré. Further spread of perch rhabdovirus on European percid farms. *Journal of Fish Diseases*, 45(12):1831–1837, December 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PTK+21] Elodie Pepey, Taukhid Taukhid, Nicolas Keck, Angela Lusiastuti, Jean-Christophe Avarre, Gusnia Sundari, Samira Sarter, and Domenico Caruso. Application of the FTA elute

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[PTMC22] Amelia Paredes-Trujillo and Manuel Mendoza-Carranza. A systematic review and meta-analysis of the relationship between farm management, water quality and pathogen outbreaks in tilapia culture. *Journal of Fish Diseases*, 45(10): 1529–1548, October 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PTP+23] Ramida Phasunon, Suwimon Taengphu, Wattana Panphut, Satid Chatchaiphan, Ha Thanh Dong, and Saengchan Senapin. Improving the diagnosis of *Streptococcus iniae* using a novel probe-based qPCR assay combined with an enrichment step. *Journal of Fish Diseases*, 46(12):1391–1401, December 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PVCG20] Mark P. Polinski, Niccoló Vendramin, Argelia Cuenca, and Kyle A. Garver. *Piscine orthoreovirus*: Biology and distribution in farmed and wild fish. *Journal of Fish Diseases*, 43(11):1331–1352, November 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Pekmezci:2022:GDI

[PYD+22] Gokmen Zafer Pekmezci, Alparslan Yildirim, Onder Duzlu, Emrah Simsek, Fikri Balta, Banu Yardimci, Ertan Emek Onuk, Zuhal Onder, Arif Ciloglu, Gamze Yetismis, Erdal

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[PYT+22] Theerawut Phusantisampan, Jidapa Yamkasem, Puntanat Tattiyapong, Malinee Sriariyanun, and Win Surachetpong. Specific and rapid detection of tilapia parvovirus using loop-mediated isothermal amplification (LAMP) method. *Journal of Fish Diseases*, 45(12):1893–1898, December 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PZP+20] Letizia Passantino, Rosa Zupa, Chrysovalentinos Pousis, Constantinos C. Mylonas, Edmond Hala, Emilio Jirillo, and Aldo Corriero. Increased melanomacrophage centres in the liver of reproductively dysfunctional female greater amberjack *Seriola dumerili* (Risso, 1810). *Journal of Fish Diseases*, 43(4):503–514, April 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[QCZ+22] Muyi Que, Weiwei Cao, Huang Zhang, Lei Shi, and Lei Ye. The prevalence, antibiotic resistance and multilocus sequence typing of colistin-resistant bacteria isolated from *Penaeus vannamei* farms in earthen ponds and HDPE film-lined ponds in China. *Journal of Fish Diseases*, 45(9):1289–1299, September 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[QFW+23] Kun Qian, Shengli Fu, Junru Wang, Yuan Li, Jianan Xian, and Jianmin Ye. Major histocompatibility complex class II$\alpha and II\beta of puffer fish(Takifuguobscurus)$: $Identification and functional characterization in response to bacterial challenge. Journal of Fi$ (10) : $1049--1064, October 2023. CODENJFIDDI. ISSN 0140–$ $7775(print), 1365-2761(electronic)$.

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[QGG+21] Juan Carlos Quintanilla, Margarita P. González, Juan Pablo García, Paola Olmos, and Sergio Contreras-Lynch. Horizontal transmission of *Piscirickettsia salmonis* from the wild sub-Antarctic notothenioid fish *Eleginops maclovinus* to rainbow trout (*Oncorhynchus mykiss*) under experimental conditions. *Journal of Fish Diseases*, 44(7):993–1004, July 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RBM+22] Hartanto Mulyo Raharjo, Hendri Budiyansah, Muhammad Fadhlullah Mursalim, Putita Chokmangmeepisarn, Rungnapa Sakulworakan, Sulaiman Madyod, Mariya Sewaka, Molruedee Sonthi, Partho Pratim Debnath, Sivaramasamy Elayaraja, Tilladit Rung-ruangkijkrai, Ha Thanh Dong, and Channarong Rodkhum. Distribution of Vibrionaceae in farmed Asian sea bass, *Lates calcarifer* in Thailand and their high prevalence of antimicrobial resistance. *Journal of Fish Diseases*, 45(9):1355–1371, September 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RCS+22] Shreesha Rao, Mei-Yun Chen, Chiranan Sudpraseart, Peiry Lin, Terutoyo Yoshida, Pei-Chi Wang, and Shih-Chu Chen. Genotyping and phenotyping of *Lactococcus garvieae* isolates from fish by pulse-field gel electrophoresis (PFGE) and electron microscopy indicate geographical and capsular variations. *Journal of Fish Diseases*, 45(6):771–781, June 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[REB+20] Paolo Ronza, Itziar Estensoro, Roberto Bermúdez, Ana Paula Losada, Gregorio Pérez-Cordón, Belén G. Pardo, Ariadna Sitjà-Bobadilla, and Ma. Isabel Quiroga. Effects of *Enteromyxum* spp. (Myxozoa) infection in the regulation of intestinal E-cadherin: Turbot against gilthead sea bream. *Journal of Fish Diseases*, 43(3):337–346, March 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RFN+23] Tawni B. Riepe, Eric R. Fetherman, Brad Neuschwanger, Tracy Davis, Andrew Perkins, and Dana L. Winkelman. Vertical transmission of *Renibacterium salmoninarum* in cutthroat trout (*Oncorhynchus clarkii*). *Journal of Fish Diseases*, 46(4):309–319, April 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RKC+23] Tirawat Rairat, Sunisa Kumphaphat, Niti Chuchird, Prapansak Srisapoome, Putsucha Phansawat, Arunothai Keetanon, Yi-Kai Liu, and Chi-Chung Chou. Pharmacokinetics, optimal dosages and withdrawal time of florfenicol in Asian seabass (*Lates calcarifer*) after oral administration via medicated feed. *Journal of Fish Diseases*, 46(1):75–84, January 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RRK+23] Jayasundara Mudiyanselage Sajani Nisansala Rathnapala, Wafaa Ragab, Satoshi Kawato, Miho Furukawa, Reiko Nozaki, Hidehiro Kondo, and Ikuo Hirono. Genomic characterization and identification of virulence-related genes in *Vibrio nigripulchritudo* isolated from white leg shrimp *Penaeus vannamei*. *Journal of Fish Diseases*, 46(7):779–790, July 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RSPB22] Albert Ros, Heike Schmidt-Posthaus, and Alexander Brinker. Mitigating human impacts including climate change on proliferative kidney disease in salmonids of running waters. *Journal of Fish Diseases*, 45(4):497–521, April 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[RTA21] Magnus Vikan Røsæg, Ragnar Thorarinsson, and Arnfinn Aunsmo. Effect of vaccines against pancreas disease in farmed Atlantic salmon. *Journal of Fish Diseases*, 44(12): 1911–1924, December 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SAB+22] Selvam Suryakodi, Abdul Nafeez Ahmed, Allahbagash Badhusha, Shanmugam Santhosh Kumar, Selvam Sivakumar, Seepoo Abdul Majeed, Gani Taju, Syed Rahamathulla, and Azeez Sait Sahul Hameed. First report on the occurrence of white spot syndrome virus, infectious myonecrosis virus and *Enterocytozoon hepatopenaei* in *Penaeus vannamei* reared in freshwater systems. *Journal of Fish Diseases*, 45(5):699–706, May 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SBD21] Tore Seternes, Jarl Bøgwald, and Roy A. Dalmo. Scavenger endothelial cells of fish, a review. *Journal of Fish Diseases*, 44(9):1385–1397, September 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SBS+22] Ayanna Carla N. Phillips Savage, Lemar Blake, Rod Suepaul, O'Shane McHugh, Ray Rodgers, Calvern Thomas, Christopher Oura, and Esteban Soto. Piscine mycobacteriosis in the ornamental fish trade in Trinidad and Tobago. *Journal of Fish Diseases*, 45(4):547–560, April 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SBVC21] Justin M. Stilwell, Shane M. Boylan, Bryan Vorbach, and Alvin C. Camus. Epizootic neoplasia in a managed population of Atlantic bumper fish, *Chloroscombrus chrysurus* (Osteichthyes: Carangidae), at a public aquarium. *Journal of Fish Diseases*, 44(4):415–427, April 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SCIAH21] Mónica Saldarriaga-Córdoba, Rute Irgang, and Ruben Avendaño-Herrera. Comparison between genome sequences of Chilean *Tenacibaculum dicentrarchi* isolated from red conger eel (*Genypterus chilensis*) and Atlantic salmon (*Salmo salar*) focusing on bacterial virulence determinants. *Journal of Fish Diseases*, 44(11):1843–1860, November 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SCRS+23] Nadhirah Syafiqah Suhaimi, Graciela Colunga-Ramírez, Boglárka Sellyei, Gábor Cech, Kálmán Molnár, and Csaba Székely. The first detection of *Myxobolus lentisuturalis* Dyková, Fiala et Nie, 2002, a highly pathogenic muscle-infecting parasite of gibel carp (*Carassius auratus gibelio* Berg, 1932) in Hungary. *Journal of Fish Diseases*, 46(12): 1367–1376, December 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SCS24] Justin M. Stilwell, Alvin C. Camus, and Natalie K. Stilwell. Gonadal neoplasia in Chinese gold barbs (*Barbodes semifasciolatus*) from a home aquarium. *Journal of Fish Diseases*, 47(3):e13901:1–e13901:??, March 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SCV+20] Boglárka Sellyei, Gábor Cech, Ádám Varga, Kálmán Molnár, Csaba Székely, Dóra Somogyi, Krisztián Nyeste, and László Antal. Infection of the Carpathian brook lamprey (*Eudontomyzon danfordi* Regan, 1911) with a dermocystid parasite in the Tisza River Basin, Hungary. *Journal of Fish Diseases*, 43(12):1571–1577, December 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SCX+21] Zhong-Chen Sun, Cheng Chen, Fei-Fan Xu, Bing-Ke Li, Jing-Lei Shen, Tao Wang, Hai-Feng Jiang, and Gao-Xue Wang. Evaluation of the antiviral activity of naringenin, a major constituent of *Typha angustifolia*, against white spot syndrome virus in crayfish *Procambarus clarkii*. *Journal of Fish Diseases*, 44(10):1503–1513, October 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SDH22] Yuting Song, Xianzhi Dong, and Guobin Hu. Transcriptome analysis of turbot (*Scophthalmus maximus*) head kidney and liver reveals immune mechanism in response to *Vibrio anguillarum* infection. *Journal of Fish Diseases*, 45(7):1045–1057, July 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Soto-Davila:2020:IMR

[SDMO+20] Manuel Soto-Dávila, Danixa Martinez, Ricardo Oyarzún, Juan P. Pontigo, Carolina Vargas-Lagos, Francisco J. Morera, Julia Saravia, Fábio Zanuzzo, and Luis Vargas-Chacoff. Intermediary metabolic response and gene transcription modulation on the Sub-Antarctic notothenioid *Eleginops maclovinus* (Valenciennes, 1930) injected with two strains of *Piscirickettsia salmonis*. *Journal of Fish Diseases*, 43(1): 111–127, January 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SGU+21] Natalia V. Sergeenko, Tatyana V. Gavruseva, Elena A. Ustimenko, Elena V. Bochkova, and Tatyana V. Ryazanova. Case of highly prevalent papilloma-like skin lesions in whitespotted char (*Salvelinus leucomaenis*) in Kamchatka (Russia). *Journal of Fish Diseases*, 44(5):487–493, May 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SGW+22] Mohamed Sayed, Matt Griffin, Cynthia Ware, Ozan Ozdemir, Hasan C. Tekedar, Manal Essa, Attila Karsi, Mark L. Lawrence, and Hossam Abdelhamed. Evaluation of *Edwardsiella piscicida* basS and basR mutants as vaccine candidates in catfish against edwardsiellosis. *Journal of Fish Diseases*, 45(12):1817–1829, December 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SJK+21] Hanchang Sohn, Chang Nam Jin, Bong Jo Kang, Sang Phil Shin, and Jehee Lee. Infection dynamics of *Enteromyxum leei* (Myxozoa, Myxosporea) in culture water and its effects on cultured olive flounder, *Paralichthys olivaceus* (Temminck & Schlegel). *Journal of Fish Diseases*, 44(9):1475–1479, September 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SKAS+22] Corbin J. Schuster, Taylor G. Kreul, Colleen E. Al-Samarrie, James T. Peterson, Justin L. Sanders, and Michael L. Kent. Progression of infection and detection of *Pseudoloma neurophilia* in zebrafish *Danio rerio* Hamilton by PCR and histology. *Journal of Fish Diseases*, 45(10):1463–1475, October 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SKO21] Tomáš Scholz, Roman Kuchta, and Mikuláš Oros. Tapeworms as pathogens of fish: a review. *Journal of Fish Diseases*, 44(12):1883–1900, December 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SKR+20] Ahmed Siah, Emilie Knutsen, Zina Richmond, Meghan Mills, Kathleen Frisch, James F. F. Powell, Øyvind Brevik, and Henrik Duesund. Real-time RT-qPCR assay to detect

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[SLA+20] Rhoda Mae C. Simora, Shangjia Li, Nermeen Y. Abass, Jeffery S. Terhune, and Rex A. Dunham. Cathelicidins enhance protection of channel catfish, *Ictalurus punctatus*, and channel catfish [female sign] × blue catfish, *Ictalurus furcatus* [male sign] hybrid catfish against *Edwarsiella ictaluri* infection. *Journal of Fish Diseases*, 43(12):1553–1562, December 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SLE+20] Isaac Standish, Eric Leis, Sara Erickson, Rebekah McCann, Corey Puzach, Ryan Katona, Ellen Lark, Jennifer Bailey, Eric Kleman, Jorge Buening, Carey Edwards, Thomas Loch, and Kenneth Phillips. *Vagococcus salmoninarum* II — qPCR, tropism and egg-associated transmission. *Journal of Fish Diseases*, 43(3):317–325, March 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SLH+24] Yan Shi, Xiaying Liang, Sufei Hu, MengMeng Wang, Yifan Wang, and Zhe Zhao. Role of TRAF6 from obscure puffer (*Takifugu obscurus*) in immune response against *Edwardsiella tarda* infection. *Journal of Fish Diseases*, 47(2):e13877:1–e13877:??, February 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SMY+24] Hiroaki Saito, Shungo Minami, Manami Yuguchi, Aiko Shitara, Hidehiro Kondo, Goshi Kato, and Motohiko Sano. Effect of temperature on the protective efficacy of a live attenuated vaccine against herpesviral haematopoietic necrosis in goldfish. *Journal of Fish Diseases*, 47(4):e13906:1–e13906:??, April 2024. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SRP+21] Thangaraj Raja Swaminathan, Nithianantham Sundar Raj, Prasannan Geetha Preena, Pravata Kumar Pradhan, Neeraj Sood, Rahul Girish Kumar, Arun Sudhagar, and Naresh Kumar Sood. Infectious spleen and kidney necrosis virus-associated large-scale mortality in farmed giant gourami, *Osphronemus goramy*, in India. *Journal of Fish Diseases*, 44 (12):2043–2053, December 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SVC+21] Boglárka Sellyei, Zsuzsanna Varga, Gábor Cech, Ádám Varga, and Csaba Székely. Mycoplasma infections in freshwater carnivorous fishes in Hungary. *Journal of Fish Diseases*, 44(3):297–304, March 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SVO+22] Felix Scholz, Niccolò Vendramin, Niels Jørgen Olesen, Argelia Cuenca, Tine Moesgaard Iburg, Luca Mirimin, Ian O'Connor, Neil M. Ruane, Hamish D. Rodger, and Eugene MacCarthy. Experimental infection trials with European North Atlantic ranavirus (*Iridoviridae*) isolated from lumpfish (*Cyclopterus lumpus*, l.). *Journal of Fish Diseases*, 45 (11):1745–1756, November 2022. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SVP+21] Rubina Sirri, Ranieri Verin, Alberto Perolo, Fernando Lunelli, Filippo Faccenda, Maria Letizia Fioravanti, and Francesco Quaglio. Metastatic osteoblastic osteosarcoma of the jaw in a marble trout (*Salmo marmoratus*). *Journal of Fish Diseases*, 44(4):483–485, April 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[SYKC23] Haichao Song, Bintong Yang, Yuanhuan Kang, and Wei Cong. Critical roles of VipB protein on virulence and oxidative stress tolerance in *Aeromonas veronii*. *Journal of Fish Diseases*, 46(5):487–497, May 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[Tan23] Cahyani Fitrah Tanjung. Bacterial fish diseases: Environmental and economic constraints. *Journal of Fish Diseases*, 46(6):707–708, June 2023. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[TASP+20] Daniela Toro-Ascuy, Alvaro Santibañez, Victor Peña, Carolina Beltran-Pavez, Luis Cottet, Cristian Molina, Margarita Montoya, Nicolas Sandoval, Yesseny Vásquez-Martínez, Carolina Mascayano, and Marcelo Cortez-San Martín. Development of an Isavirus minigenome system to study the function of the pocket RNA-binding domain of the viral nucleoprotein (NP) in salmon cells. *Journal of Fish Diseases*, 43(2): 197–206, February 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[TBK+20] Cathrine Trangerud, Håvard Bjørgen, Erling Olaf Koppang, Randi Nygaard Grøntvedt, Hege Kippenes Skogmo, Nina Ottesen, and Agnar Kvellestad. Vertebral column deformity with curved cross-stitch vertebrae in Norwegian seawater-farmed Atlantic salmon, *Salmo salar* L. *Journal of Fish Diseases*, 43(3):379–389, March 2020. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[THH+21] Hisato Takeuchi, Motoyuki Hiratsuka, Kazutomo Hori, Hiroki Oinuma, Yoshiyuki Umino, Daiki Nakano, Mayu Iwadare, Ryuji Tomono, Toshihiro Imai, Hirohito Mashiko, Aki Namba, Tomohiro Takase, Sonoko Shimizu, Toshihiro Nakai, and Nobuhiro Mano. Environmental factors affecting *Edwardsiella ictaluri*-induced mortality of riverine ayu, *Plecoglossus altivelis* (Temminck & Schlegel). *Journal of Fish Diseases*, 44(8):1065–1074, August 2021. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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