A Complete Bibliography of Publications in *Journal of Fish Diseases* (2010–2019)

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Title word cross-reference

-20 [HPAL10]. -80 [SG12]. 2 [HST+13]. ^{N438A} [CGW+19]. $_1$ [BSD+18d]. $_{18}$ [LZZN10]. $_4$ [LZZN10]. α [LLZW14, TQW+14]. α_{s2} [SJDC+13]. β [CKTT10, CPB+15, CMR+16, HBH+19, JSAH+18, KBE+14, PLCC11, SCS+12, TQW+14, UN10, UKS+18, YSHG18]. γ [TQW+14]. μ [BVL+18, GVLE16]. $\times$ [AZSSZZ13, BSK+10, DBS12, FCS+18, RHSM+18b, SSF+17, SL15, SRT+14, ZDWH18]. ε [RBL+11].

-1 [JSAH+18, YSHG18]. **-6-fluoro** [SRD+16]. **-D-glucans** [KBE+14]. **-G** [CGW+19]. **-glucan** [UKS+18]. **-haemoglobin** [UN10]. **-hydroxybutyrate** [SCS+12]. **-like** [BRB+12, ZGY+18]. **-proteobacteria** [CMR+16].

. [ATP+17, SPKS17, YFA+17].

1 [CKTT10, EDP+17, GVLE16, GCCLRP+13, KYK+12, KAST17, LASRA+19, MMNL14, NJK+17, SHKF16, UN10, VCS+19].

1-chloropiperidin-4-yl [SRD+16]. **12** [DJR+19, MMNL14]. **16S** [DPMK12, LWWS14, LGD+17, RB15]. **16S-RFLP** [LGD+17].

2 [AHJS+18, DKBS17, GM10, NSS+17, PMW+10, RAM+18]. **23S** [DPMK12]. **2L** [LCC+15].

3 [CWW+18, GMG+19, IFF+15, PFP+13]. **3-** [SRD+16]. **3-glucan** [YSHG18]. **3-year** [KZJ+17]. **3/1** [JSAH+18]. **35-year-old** [WGL17]. **36** [APG+11, HO13].

5 [VSS17]. **5'-monophosphate** [VSS17]. **55L** [HLC+15]. **5p** [FBK+16].

6 [GCNB16]. **6-** [KBE+14]. **6-glucan** [JSAH+18]. **610** [RGD+12]. **64L** [CCLL16].

73 [YK12].

8 [LRD+19]. **89** [RSIP+17, RSPA+18].

90 [RSIP+17, RSPA+18, SHO+17]. **97L** [HLC+15].

A-I [LSC+14]. **A-layer** [GLK+16]. **A.** [CSA+15]. **A1** [ZWG+17]. **abalone** [JYZ+14]. **ABC** [OJRL10]. **ABC-transporter** [OJRL10]. **abdominal** [GHB+11]. **abdominalis** [LYD+15]. **Abilgaard** [SAD+12]. **ability** [CD17, PST+16, SWM+15]. **abiotic** [SHV+16]. **abnormalities** [FPK+17, MPS+18]. **abrupt** [LTC17]. **abscessus** [PBW+18]. **absence** [GCS+18, JLJ16]. **abundance** [GBV+16, GVB+17a, GAVC16, JMF+18, LDÁM14]. **Acanthopagrus** [Dig13, Dig15, LLDL13, Pol15]. **acarne** [RVB13]. **Accelerated** [AGB+19]. **accuracy** [LTG+18, LMG+19]. **accurate** [KPSP+19]. **achromogenes** [BBP18, SWM+15]. **Achyranthes** [CR12]. **Acid** [ASHZ+12, ACYC10, AMRHM18, BCBS+13, DTF+16, GRT12, JKL+13, KSM+17, MMNL14, PSBG+11, PCK+15, SOGR+19, SMFM12, TNK12]. **acid-specific** [ACYC10]. **acidification** [ASW16, CBM+17]. **acidovorans** [ARFG13]. **acids** [MLF+10]. **Acipenser** [LGK+14, MMD+12, RHSM+18b, RFA+14, SAD+12]. **Acipenserid** [DKBS17]. **acquisition** [BLF+16, BPMI+16, BAMYAH19]. **act** [PJL+12]. **Actinochlamydia** [SPV+18]. **Actinochlamydiaceae** [SPV+18]. **activation** [RCGGM15]. **active** [LBF+14]. **activities** [BSD+18a, BA14, HDC18, YLX+19b]. **activity** [BSSB18, BSD+18d, BYAS+19, BLFC12, PMH+11, PSBG+11, RBH+17, SJDC+13, SLPB18, SBW11, TFG19, UN10, YSK13, ZWG+17]. **acts** [PBC15]. **aculeatus** [ASW16, PJZB19, WFH+18]. **Acute** [HCCM12, PRT+14, PÅD18, Bin14, BPK+17, CCLGRM+17, CZB+11, DD18,

DJR+19, KAF+19, KTN+16, KYB+15, MKY+15, NPGA+19, TTL+16]. **acute-phase** [DJR+19]. **acutely** [PRSK10]. **acutus** [KJB11]. **Acyclovir** [TKS+18]. **adapt** [HGH+18]. **adaptation** [MLH+15]. **additional** [MJ17]. **additives** [AA10]. **adenocarcinoma** [RHSM+18a]. **adenoma** [SBHC18]. **adenosine** [BSD+18a, VSS17]. **adenosinergic** [BSD+18b]. **adherence** [JSJR+19, PDLW17, VMBGIC19]. **Adhesion** [HRNW15, HGW+19, YZW+19]. **adipose** [ASSP+15, BHW+11]. **adjuvant** [PVIM18]. **adjuvanted** [CLS+15]. **administered** [FHD13, GSS+10, HJN+19, TNK12]. **administration** [CMH+17, DPCdR14, ESV+19b, FGJ+10, FHZ+16, LWJ+16, LXHL11, OKS+13, PPI+13, dOAPLá+17]. **adomavirus** [PWW19]. **adult** [BHT+17, BVT+18, FSV+14, HKD+10, JHM+18, KCD+14, MIO+18, PPE+18, RBAT+17, RAM+17, SSK17]. **adulterant** [PNBK13]. **aduncum** [MGH+14]. **Advice** [TJR+18]. **aeglefinus** [JHM+18]. **Aequidens** [YCNW18]. **aer** [FMA+19]. **Aerococcus** [CG11]. **aerocystitis** [CBH+15, dSRSHGá+19]. **aerolysin** [FMA+19, MBB12]. **aerolysin-like** [MBB12]. **aeromonads** [PAZ18]. **Aeromonas** [AA10, BSV+18, BSB+18, BKS+17, BKD17, BHF13, BLFRCQ10, BVK+16, BE19, BBP18, BGCKF12, CHH+14, CMSHS16, CLZ+12, CD17, CYS17, ÇOÇ+16, CCMA+17, CTK+10, DBS12, DLCF13, DTJ+17, DSJA18, EDP+17, EDV+18, FCC+13, FMA+19, GDN+16, GLK+16, HKK+11a, JAR+11, JSAH+18, JSJR+19, KEY+15, KBJ+13, KBD13, LPA+10, LL12, LLZW14, LCZ+18, LGC+19, LCR+10, LHW+15b, MSC+17, MLEM16, MP18, NB11, NLC+16, NDA10, OSAA18, PSCFB+18, PFJ+10, RKK+19, RVC18, RPM+19, SSHEM11, SWM+15, SSC17, SJSA+14, VSS17, VSDS+19a, VDD+18, VC17, WMD+18, WYZ+19, YFA+17, YZW+19, YK12, ZCJ+18, ZWL+16]. **aeruginosa** [BSSB18, BSD+18c]. **aestuarianus** [ZQB+11]. **aetiological** [CCLGRM+17, QXW14]. **aetiology** [LGS+14]. **affect** [FCJH19, HHO14, JOF+19, SFR+17]. **affected** [ACN12, CSS+16, DPTFC10, HOHG13, JR19, OCLI+19, RHS+12, SJT14]. **affecting** [JFWH19, RAM+18, RSF+17, SVM+18]. **aflatoxin** [BSD+18d]. **Africa** [HGPD11, HOHG13, HWO+17, MCCN14]. **African** [BHA+11, HOHG13, MWS17, OAO+12, RSR+18, WTM14]. **after** [BHO+19, DPCdR14, ELI+17, FHZ+16, GFM+16, GMN12, HKBD15b, JMF+18, JSAH+18, MID+19b, MID+19a, NSE+17, TQW+14, TMC+12, VCN+10, YYW+14]. **against** [ASHZ+12, ANB+19, BBF+15, BYAS+19, BVK+16, BE19, Buc12, BLFC12, CCLGRM+17, CHH+14, CHV+12, CCH+19, CGR17, CCLL16, CGW+19, CKTT10, CKvGJB17, ÇOÇ+16, CSCCA14, CSSWK10, DD18, DLP+13, ESA+10, EDV+18, ERÁpSB14, FLCC+14, FHD13, GCNB16, HDC18, HLL+12, HCL+14, HJN+19, HLC+15, HBH+19, JST+19, JAR+11, JOF+19, KSS+15, LPA+10, LKS+13, LRC+18, LXHL11, LHW+12, LLL+18a, MMS+16, MTK+10, MID+19b, MA16, NPGA+19, NNC+18, OMB+19, PZL+14, PSBG+11, RPMRLJ+19, RSGB+14, RBH+17, SHS14, SJDC+13,

SMR10, SGB+16, SLKE10, SSSP18, SNM+16, SWS+16, SRD+16, SRB12, TFG19, VDO+18b, VDO+18a, WBF+10, WCR+18, WM19, WHR+18, WSA+18, XZZ16, YLX+19b, ZWG+18]. **agalactiae** [DDBC+15, AAZS+15, AZSI+12, AZSSZZ13, ATP+17, BSD+18b, BMMC+15, BFFA+12, BDB+18, CWL+17, CZL+19, DZC+16, HZX+13, ICVV16, LLH+14a, LLH+14b, LLX+19, LLL+18a, MoSMS18, NYRS12, SFL+16, SPS+19, VMBGIC19, VJWC+18, XXL+19, ZKL+19]. **Agassiz** [RHSM+18a]. **AGD** [ACN12, CHWM+19]. **Age** [JHW17]. **agent** [ACM+14, CCLGRM+17, CPP14, GTT+17, GCGR13, HWM+13, JFWH19, KEY+15, MFS+17, MSS+17a, NLF11, RGD+13, SSF+17, SWD+14, TVK+19, WCR+18, WEPB+18, ZWG+17]. **agent-based** [GCGR13]. **agents** [HH13a, HBS+14, SSC17]. **agreement** [JWO+10]. **AHPND** [BPK+17, ITKH18]. **AIP1** [SRSF10]. **air** [LWMT10]. **Aires** [Lek12]. **akaara** [GHH+11]. **al** [JCN+14, KRFT14]. **AL09** [YK12]. **AL09-73** [YK12]. **Alaska** [PPE+18]. **Albendazole** [ANB+19]. **albigutta** [DBHC17]. **Albufera** [BSC+14]. **Algamune**^{TM} [YSHG18]. **Algeria** [KCD+14]. **alginolyticus** [CLWJ13, CLW+11, HGX+19, LSC+14, PKLH19, YLX+19a, YLS+19]. **alive** [CBM+18]. **Alix** [SRSF10]. **Alix/** [SRSF10]. **alleles** [LLZW14]. **allicin** [NDA10]. **allis** [WBE+17, WEPB+18]. **Allium** [MSCH14]. **allogynogenetic** [LJHG14, ZWLG10, ZYW+10]. **along** [FSM+16]. **Alosa** [WBE+17, WEPB+18]. **alpha** [LSA+15]. **alpha-2-macroglobulin** [LSA+15]. **alphavirus** [Ano10c, BTC+17, CGR17, GFW+10, GFM+11, GFR+12, GRF14, HFT+12, HST+13, HJT+16, JTW+10, JJB15, MIO+18, RSP+17, RSM+18, SBH+16, SHV+16, TJB+15]. **alpinus** [SWM+15, WKK12]. **also** [GCM+18b]. **alter** [PPF+12]. **alterations** [LvD18]. **altered** [SSK17]. **alternative** [CB13]. **alternifolia** [BSD+18c, VGI+16]. **altivelis** [FNISE12, KSS+15, ZCC18, CONN10, FNISE12, KSS+15, ZCC18]. **Aluminium** [MGF17]. **alvei** [OSC+14]. **Amago** [IOO15]. **Amazon** [MdOO16, OMB+19, PdSG+12, dSdAdS+19]. **amberjack** [MKH+11, NMM+18, dSRSHGá+19]. **ambigua** [HBB14]. **Ameiurus** [BPF+18, PHR14]. **amended** [GDN+16]. **America** [EKT+11]. **American** [CG11, DKBS17, GL18, KPKP10, KWD+16, LML12, SQC+14]. **American-HPR0** [GL18]. **americanus** [CG11, SQC+14]. **amine** [FHZ+16]. **Amino** [SOGR+19]. **ammonia** [FSO+10, SRB12]. **Ammonium** [RHS+12, MoSMS18]. **amoeba** [DT16, LTC16, LTC17]. **amoebae** [FMM+19]. **Amoebic** [CONN10, TCC10a, ACN12, BPCS19, DYML+18, MLER+18, MCCN14, NBJ10, WNO+18]. **Amoebozoa** [CPP14]. **among** [ADR11, OEG+13, PPSW19, SMJ+12, SCD19, SVY+14]. **amongst** [KBTMH+16]. **Amphiprion** [BRMG13, SBK+15]. **amplification** [HJOK11, HGG+11, JYZ+14, KTN+16, LLWL15, MSI+15, OBR+14, WSX+18, YWW+19]. **ampullary** [CBC+13]. **Amyloid** [CBFM16, RTM+15]. **Amyloid-like** [CBFM16]. **Amyloodinium** [MSS+17b, YB17]. **anadromous** [áKÁGA16]. **Anaemia** [CCCTA+14, LLLG18, ADF14, ADMF15, ATM+10, EYF+19, GL18, GCS+18, HWM+13, IOO15, MMWK19, MAC+15, MTHB13,

OBFR12, SG12, VDMJ+13, XQS+15]. **anal** [CAJD+18, FPK+17]. **analyses** [NRMS14, RHVG+19b, STIG17, YEK+17]. **Analysing** [MLH+15]. **Analysis** [FCL+19, YMH+11, ATM+10, ACAS14, ASB+12, BC11, CIL+17, CGP+19, CMEV17a, CMS+17, CMEV17b, ECP+10, FGJ+10, FMA+19, GPL+12, IBFL19, JCN+13, JCN+14, JKH+17, KKM+19, KRFT14, LGD+17, LCV+17, LMG+19, LITCAH19b, LKT+13, MFS+17, MBT+17, MMH10, NSE+17, NSC+18, NMM+18, PHvdH12, PKLH19, PSVK+18, PJU+13, RKK+19, SHKF16, SOA+18, TCFáS19, TDT+16, VC17, WMM+16, WMD+18, WZA10, XJL+19, YAHWU11, ZJR+18, ZCJ+18]. **analytical** [BHA+17]. **anatomy** [FPK+17, LGS+14]. **anchovy** [RGMGG+18]. **Ancyrocephalus** [BGRB14]. **and/or** [HKBD15a, HKBD15b]. **angasi** [BWP+19b]. **AngHV** [KYK+12, NJK+17]. **AngHV-1** [KYK+12, NJK+17]. **angio** [ASW16]. **angio-architecture** [ASW16]. **angiolipoma** [RhAS+15]. **anglerfish** [FYO+11, LRAP17]. **Anguilla** [ARFG13, BSC+14, BMD+14, BND+17, BDM+18, CSA+15, DMB+16, EMA17, FDST16, GFM+16, KYK+12, KPK+18, KLD+18, KAST17, LML12, MBD16, MFES18, MWS17, NJK+17, OMO+15, PWHW18b, SWE+19, WCW+16b]. **anguillae** [MWS17, NJK+17]. **anguillarum** [ACLP+19, BVK+16, BFC+15, CCH+19, CKTT10, CDG+14, FMB+11, HRL15, JQK14, RGD+12, RRO+13, SCS+12, TMC+12, WM19, ZXW+12]. **anguillicaudatus** [ZWL+16]. **Anguillicola** [BMD+14, BND+17]. **Anguillicoloides** [FDST16, LML12, LFP+11a, LFP+11b]. **anguillid** [KYK+12, vBVLR+16, MFES18, KAST17]. **anguilliseptica** [ARFG13]. **angulospora** [SBP+19]. **animal** [RAM+19]. **animals** [LTG+18, LTM+19, SAS+19, THW+12]. **anisakiasis** [KHS11]. **Anisakidae** [MGH+14, SDZN19]. **Anisakis** [MGH+14]. **anisitsi** [Lek12]. **annectens** [RSR+18]. **anomalies** [ACA+16, BC11, dALF+17]. **anomaly** [AAV+16]. **anterior** [PAM+19, PRSK10]. **Anthony** [Rob11]. **Anthropogenic** [KAST17, MMMD16]. **anti** [BSB+18, DJQ+12, MDF+17, NPGA+19]. **anti-apoptotic** [DJQ+12]. **anti-inflammatory** [BSB+18, MDF+17]. **Anti-PirA-like** [NPGA+19]. **Antibacterial** [LWJ+16, LLL+12, SHS14, ZZQ+19]. **Antibiotic** [CDW17, CYS17, CIL+17, FCL+19, HKB+16, NB11, RHBMM13, SK15, SFF+17, ZCJ+18, ZDWH18]. **antibiotic-resistant** [RHBMM13]. **antibiotics** [AAZS+15, LRS+17, SHS14]. **antibodies** [CLC+17, ERÁpSB14, HLC+15, LCR+10, ZWG+18]. **Antibody** [GSEM13, SSHEM11, Ano12c, BWZ+17, BRB+12, CGR17, CCLL16, ELI+17, EDV+18, KSS+15, KJW+17, MF12, PSK+13, TCC10a]. **antibody-based** [PSK+13]. **Antibody-coated** [SSHEM11]. **Antifungal** [BAH+16]. **antigen** [CR12, DMD+17, HCL+14, MSC+17, SGB+16, TQW+14, ZXW+12]. **antigenic** [JKC+11]. **Antigens** [MLEM16, áKÁGA16, KREM14, LMAKN16, RBAT+17]. **Antimicrobial** [BYAS+19, CMH+17, DBV+13, NSB+18, DMP10, PMK12, RHTC19b, SW11, UN10, ZN10]. **antioomycete** [ZN10]. **antioxidant** [BSD+18c, BA14]. **antioxidative** [LMC+16]. **Antiparasitic** [UN10, HBS+14, MDF+17, ZN10].

antiparasitics [GOM+19]. **Antiviral** [HDC18, RBH+17, SJDC+13, SVL+17, YLX+19b]. **aorta** [DKG+17]. **Aphanomyces** [SMKBP17, VDHV+16, VDH19]. **Apicomplexa** [MdOO16, dSdAdS+19]. **aplasia** [FFP+14]. **apolipoprotein** [LSC+14]. **Apoptosis** [DRG+17, CXW+19, DJQ+12, RBL+11, WCL+19]. **apoptotic** [DJQ+12]. **Apostichopus** [LQL+10]. **apparatus** [YK12]. **applicability** [CPdPP16]. **Application** [CDG+14, LRS+17, MMBS10, CLWJ13, CCCTA+14, dSCBdS+16, FSG+12, GHW+15, LML+13, MoSMS18, NMIY14, PPK+13, SCK13, WCR+18, ZCC+15]. **Applications** [Spe19a]. **applied** [GOM+19, MSCH14]. **approach** [JMD+18, LRMN17, LHW+15b, OLVJ+13, WWE+13]. **approaches** [CRBLC+17, ZXW+12]. **apta** [YLX+19a, ZLN+17]. **apta-sorbent** [YLX+19a, ZLN+17]. **aptamer** [YGL+18, YLX+19a, ZLN+17]. **aptamer-based** [YLX+19a]. **aptamers** [HMP+12, YLS+19]. **aquaculture** [BTN+18, BMBS12, DVC+17, GJMH17, GDW+15, JJM+17, JSAB+19, KOS+10, MSBB+16, MBS+17, MSCH14, OT12, PSVK+18, QZZ+18b, RAM+18, SMR16, SBK+15, TJA+13, WCR+18, ZCQF15, Spe19a]. **Aquaflor(R)** [DBS12]. **AquaPathogen** [EKT+11]. **aquareovirus** [PWW19]. **aquaria** [SMJ+14]. **aquarium** [DSJA18, KJB11, KZJ+17, ONGQ+14, PBW+18, TIK+14a]. **aquarium-held** [KJB11]. **aquarium-maintained** [TIK+14a]. **aquatic** [EKT+11, EMA17, LRS+17, LTG+18, LTM+19, PJL+12, THW+12]. **aqueous** [YLX+19b]. **AQUI** [CAS+18]. **AQUI-S(R)** [CAS+18]. **Arabian** [CIA+18]. **arabicum** [CIA+18]. **Arborescent** [OOO+11]. **archamoebae** [CPdPP16]. **architecture** [ASW16]. **archived** [TVK+19]. **Arctic** [KOB+17, SWM+15, SVL+17, WKK12]. **area** [JR19, SMR16]. **areas** [DMK+19]. **arenaria** [MMD16]. **argenteus** [LJC+19]. **Argentina** [CCMA+17, TB12]. **argentine** [TB12]. **argus** [DIH+16, LL12]. **Argyrosomus** [EKS+13, TAQ+10]. **aromatic** [PVIM18]. **arowana** [KVC+16]. **array** [LFH+11]. **array-based** [LFH+11]. **artedi** [WKW+11]. **Artemia** [TNK12, WBF+10]. **arteries** [BOH+12, DRdS+10]. **Arteriosclerosis** [DKG+17]. **arteriosus** [DKG+17, YP17]. **arthromitus** [DPTFC10]. **Arthrospira** [RBH+17]. **artificially** [BLFRCQ10]. **arugamensis** [KCL14]. **AsaP1** [SWM+15]. **AsaP1-toxoid** [SWM+15]. **Ascanius** [BT14, RSP+17, RSM+18, TB12]. **ascidian** [KOS+10, PZL+14]. **ascidians** [KOS+10]. **Ascomycota** [ŘKH16]. **Asia** [DMK+19, SDM+19]. **Asian** [CCW+15, CCW+15, GKCC+12, KNN19]. **ASK** [BAMYAH19, CCCTA+14, SDR+15]. **asp** [MAOS+18]. **aspartate** [ZCJ+18]. **aspects** [GJVT+11, PMBM13, PMP+18, SVY+14]. **aspera** [CR12]. **aspiration** [ALG15]. **Aspius** [MAOS+18]. **assay** [AS17, ASS19, BWZ+17, CDF+18, CCCTA+14, DPMK12, DSLR16, FSO+10, GM10, GDN+16, JKS+13, KBJ+13, LFH+11, LLWL15, LXX+17, MMBS10, MSI+15, NMM+18, SMF+10, SFL+16, YWW+19, YLX+19a, ZFZ+11, ZLN+17, vBVLR+16]. **assays**

[CHAB10, DCL+17, EAM+13, GJK+11, LPCC12, NMIY14, SK15]. **assembling** [LRD+19]. **assembly** [FFLC17, KREM14, PLCC11]. **assess** [BFC+15, JKH+17, SMM+13]. **assessed** [GDN+16]. **Assessing** [GMC+16b, YLL+18]. **Assessment** [DBS12, MBS+19a, AAV+16, DCG18, MMH+18, NJK+17, PNBK13, RCD+17, SCF+13, SGB+16]. **assessments** [WWE+13]. **assignment** [LWWS14, LGD+17]. **assisted** [CMEV17a, CMEV17b]. **Asso** [EKS+13, TAQ+10, VPP+12]. **associated** [ACLP+19, AHB+17, BKG+18, BB11, BA13, BK12, BMA13, BVT+18, BVL+18, CBC+13, CDM+16, CKTT10, CSA+15, CG11, CMR+16, DSMC17, DML+16, DYML+18, DT16, FCL+19, GDW+15, HBB14, HSA17, HBB+15, HSHC+16, JYZ+14, KCD+14, KOB+17, KRD+17, LGK+14, LFP+11a, LFP+11b, LLZW14, LXL+18, LDEH17, LFL19, LLL+13, MLMR16, MLER+18, MRSC13, MSR+10, MKH+11, MTLP+18b, MCO11, MMW+15, OAO+12, ONGQ+14, ONA10, PAM+19, PCK+15, QXW14, RCGGM15, RKPG16, RSPA+18, RTM+15, STF+15, SBM+11, SDZN19, SWE+19, SPV+18, SKGE13, SRT+14, TGJCH15, VJWC+18, VFB+12, VME+19, WNLF+12, XQS+15, XLZ+17, YYF+10, ZZC+17, ZJDL18, ZSZF16, ZxYJ+19]. **Association** [CPB+15, MTG+10, CHF+12, FCC+13, FFLC17, MCO11, SL15]. **associations** [KNN19]. **astaci** [SMKBP17, VDHV+16]. **Astacus** [OSC+14]. **Astronotus** [RHSM+18a]. **asymmetric** [YGL+18]. **asymptomatic** [LJGRI+10, WIC+19]. **ater** [SDZN19]. **atherinoides** [HAP+10, LRB+17, MGN+16]. **atherinoidi** [LRB+17]. **atherosclerosis** [DBHC17]. **Atlantic** [JCN+14, VCS+19, ACN12, ACA+16, AAV+16, AFA+12, ASSP+15, Ano10c, ACM+14, BSWS11, BRL+13, BHO+19, BSSH17, BOH+12, BA13, BBP18, BMT+15, BTC+17, BHA+17, BNS13, BDD+18, BSBH10, CBLN13, CJB+15, CNN+10, CGR17, CHWM+19, CZB+11, CRAG+12, DTF+16, DKG+17, DLLB+18, DMB+19, DRG+17, DYML+18, ESBE18, ECP+10, EWRH13, ELI+17, EDV+18, ESV+19b, FMM+19, FvdMF+18, FSM+16, FFP+14, FHFF15, FMH+15, FGR+12, FSV+18, FSB+18c, GL18, GFO+13, GFS+18, GMC+16a, GVB+17b, GIW+11, GTT+17, GCM+18b, GSS+10, GGH+10, GCMG+11, GMC+16b, GFW+10, GBSF12, GFR+12, GRT12, GHB+11, GCGR13, GGGM14, HHO14, HLHS11, HKD+10, HSA17, HST+13, IAR+10, JCN+13, JKO+13, JWO+10, JTW+10, JMF+18, JBO+15, JOF+19, JNS+19, JR19, JHGR13, JJSJ15, KOB+17, KAF+19, KHG+17, KSA+10, KRFT14, KBD13, KWD+16, LGK+14, LDÁM14]. **Atlantic** [LAN+14, LMG+19, LLLG18, LDA+19, LRAP17, MVM+18, MKI+15, MIO+18, MMWK19, MSMM19, MSG+18, MLMR16, MLER+18, MSBB+16, MLF+10, MMD16, MMD+12, MRSC13, MAC+15, MID+19b, MID+19a, MSR+10, MGH+14, MMH10, NCNB18, NB10, ONGQ+14, ONA10, PSZ+14, PdLC19, PBMB11, PHVM13, PPK+13, PPI+13, PG16, PÅD18, PJU+13, RB15, RGMGG+18, RMR14, RBR19, RRG+19, RSIP+17, RSPA+18, RBWR+15, SMR10, SMM+13, SFR+17, SAS+19, SFU+13, SG12, SQC+14,

SAD+12, STES14, SWWN+16, SWS+16, SCZM19, SSA13, SSL18, SNK+19, TWNB+12, TJB+15, TCC10a, TB12, TES11, TCM+19, UMMS17, USM17, UKS+18, VSDS+19a, VDMJ+13, VMBGE17, WDM+15, WMM+16, WHR+18, WNLF+12, WNSAL12, WNAF+13, WNMK+16, WNAJ+16, WNGS+17, WOD16, WNO+18, YP17, ZCCN13, ZCC+15, ZNHC11a, ZNHC11b, ZCP12]. **atlanticus** [BCW+15]. **ATP** [PLCC11]. **atresia** [CZB+11]. **attachment** [PMBM13, TGJCH15]. **Attempted** [GM11]. **Attenuated** [CSSWK10, CGW+19, GPL+12, LLX+19, MBS+19a, ZXW+12]. **attenuation** [MSG+18]. **attributes** [BFC+15]. **Atypical** [HKK+11a, BVK+16, DKBS17, GLW+18, GGH+10, MLWC11, RVC18, VDD+18, YFA+17]. **audit** [EWRH13]. **aurata** [BC11, CVLJ+10, CVGR+13, CCME16, DdRTM13, DPCdR14, LGS+14, MSS+17b, RHVG+19b, TPD+19]. **auratus** [KKOY19, KJW+17, LJHG14, NSS+17, WXL16, ZWLG10, BBL+16, GAEK+14, LCR+10, RMAM12, WIC+19, YNL11, ZWLG10]. **aureamaculosa** [HSGD11]. **aureus** [OAO+12, OGI+18, SL15]. **auriga** [LJGRI+10]. **Austin** [ABF15]. **Australia** [BFFA+12, BDB+18, HSGD11, MSS+17a, NB11, OLC11]. **Australian** [CSA+15, HO13, JFWH19, KMGK+18, MMG+11, MCO11, NSC+15, RWTB17, SFF+17]. **australis** [CSA+15, Dig13, Dig15, Pol15]. **Austria** [LUP+18]. **autogenous** [FLC+17, RPMRLJ+19]. **Autophagy** [BCLM+19]. **Autophagy-related** [BCLM+19]. **Avenant** [DAO19]. **Avenant-Oldewage** [DAO19]. **Avermectins** [OMB+19]. **avidus** [LPC+18]. **avirulent** [FNISE12]. **avium** [JK12]. **axelrodi** [LLG+15, ŘKH17]. **axillary** [RVB13]. **ayu** [CONN10, FNISE12, KSS+15, ZCC18]. **Azumiobodo** [PZL+14].

B [JCN+14, BSD+18d]. **B.** [OSAA18]. **Bacescu** [FŠK+19]. **Bacillus** [OSAA18]. **Back** [BWP+19a, RHTC19a, PBBG19]. **bacteria** [DSSB18, EEMCEGSP16, PSBG+11, RHBMM13, STIG17, THW+12, TDLT+16, WZQ+16, YkSKY13, ZJDL18]. **Bacterial** [LST+12, RGD+12, SWH+14, BSSH17, BLFC12, BSBH10, CHV+12, DSA+12, DAB+12, GCNB16, GPFGAG19, GDW+15, JAR+11, JSAH+18, KOB+17, LFH+11, LFL19, MFS+17, MDC+18, NFA15, PBC15, PHW+16, QWTL17, RSH11, RHB+15, VCN+10, WMM17, ZZA+14]. **bacterially** [SSV+10, TMM+15]. **bacterin** [PVIM18, SLKE10, WGL17]. **Bacteriological** [MCSM17, AdOG+17, EAM+13]. **Bacteriophage** [SPCR+19, EDP+17, HY16, LLL+18a]. **Bacteriophage-based** [SPCR+19]. **Bacteriovorax** [CHH+14]. **bacterium** [CSS+16, CHH+14, LDEH17, SPV+18]. **baculovirus** [RDN+12]. **Balantiocheilus** [RTM+15]. **ballan** [BT14, RSM+18, SRM+18, BVK+16, RSP+17]. **Baltic** [AHB+17, BMGS17, BK12, GJVT+11, OBD10]. **Bangweulu** [HHC+18]. **barb** [SMD+12]. **barbel** [ZPM+18]. **Barbonymus** [ARR+18]. **Barbus** [ZPM+18]. **barcoo** [KRD+17, LLH+14b, KRD+17, LLH+14b]. **barfin** [KKK+18]. **barotrauma** [HBB14, HFKF17, PSK+12]. **barracuda**

[GMP+11, GMP+11]. **barramundi** [BO15, JHW17, TGJCH15]. **barrier** [BSSB18, JSAH+18]. **base** [MMNL14]. **based** [AS17, ÇOÇ+16, DPMK12, DIVC16, ELI+17, FSM+16, GCGR13, JKS+13, LFH+11, MPBM+16, PSK+13, RB15, SPCR+19, TCFáS19, VLVS+16, YLX+19a, ZWG+18, ZCJ+18, BMBS12, GCNB18]. **baseline** [GBV+16]. **Basilewsky** [TIK+14a, TIK+14b, TQW+14]. **Basin** [DAO19, SBW+18, FDL+17, MKKM15]. **Bass** [CGAS19, BCBS+13, BVG+10, CKTT10, DBS12, FPK+17, JFWH19, LMC+16, NOST+16, PBC15, PST+16, PBBG19, RGD+12, SBW+18, SBM+11, SDJH16, TMC+12, TNK12, VTM+14, ZLX+19]. **batfish** [LZGZ16]. **bath** [BCT+17, FHD13, GVB+17b, GVB+17a, RHS+12, SCR+15, SOA+18, TNK12]. **bath-challenged** [SOA+18]. **batrachus** [BNC+11]. **Baumann** [SNM+16]. **Bay** [PBBG19, NRF+18, SKB10]. **Bayesian** [LMG+19]. **be** [DZV10, MBB12, PMH+11]. **bean** [MTLP+18b, CHF+12, GM11]. **behaviour** [AHAMR+19, BDD+18, DLLB+18, FHZ+16, HGH+18, OWM+17, SSK17]. **Behavioural** [FSB18a]. **being** [PSZ+14]. **Belar** [DT16]. **bellied** [EDSL11, LYD+15]. **Bench** [EAM+13]. **Bench-top** [EAM+13]. **benefits** [GCGR13]. **Bengal** [PRWG17]. **benign** [VPCM19]. **Bennett** [WA14]. **benzisoxazole** [SRD+16]. **benzoate** [GSS+10, HLHS11, IPW+13, JHGR13, KWGS19, LML12, PPI+13, SMR10, SMM+13, Sam10, WWE+13]. **bergylta** [BVK+16, BT14, RSP+17, RSM+18, SRM+18]. **Bering** [WMF14]. **Bermuda** [BGC+17]. **best** [JMD+18, MMH+18]. **bester** [RHSM+18b]. **Beta** [SJSA+14, LSA+15, NYRS12]. **beta-2** [LSA+15]. **Beta-glucan** [SJSA+14]. **betanodavirus** [Bin14, CGG+10, DTM+10, HGB+11, HLP+16, KTP+15, KKK+18, KKM+19, NOST+16, SODB16, SOGR+19, VTM+14, Wen16, WCL+12, FCM+19, KCD+14, LNC+17, MPJ+15, PST+16, SOA+18, TDS+19]. **Betanodavirus-associated** [KCD+14]. **betanodaviruses** [BBC+10, BCL+19, VGP+18]. **Betta** [RhAS+15]. **between** [BLFRCQ10, FNISE12, JWO+10, JLJ16, KHG+17, LMC+16, LZZN10, LLS+11, MSC+17, MMH10, OLT+10, SL15, VC17, WKK12]. **bias** [CXK16, MLH+15]. **bidyana** [FHD13]. **Bidyanus** [FHD13]. **bigeye** [HHM+14]. **binding** [vGJHS+11, YHY+16, ZGY+18, WCL+19]. **bioassay** [HH13b, HBS+14]. **bioassays** [HH13a, MMH+18, SMM+13]. **Biochemical** [SSV+17, DPTCF10, TAC15]. **biochemistry** [BHA+17, LWMT10]. **Biocontrol** [GPFGAG19, CHH+14]. **bioenergetics** [BSV+18]. **biofilm** [ASS19, CD17, DSSB18, DSSB19, LFD+17, LITCAH19b, SW11]. **biofilm-forming** [CD17]. **Biography** [HR15, PBW14]. **Biological** [LQL+10, MSS+17a, SDI+18]. **biologically** [RHB+15]. **biology** [LYKN18, Spe19a]. **bioluminescence** [BKD17]. **biomarker** [BMT+15, FBK+16]. **biomarkers** [BMGS17]. **biomass** [MMG+11]. **biomolecular** [GMB+17]. **biophysical** [SCF+13]. **biopolymer** [BYAS+19]. **biopsy** [CMS+19, TMWV14]. **biosecurity** [NSC+15, TJR+18]. **biotype**

[FLVA10, SON+18]. **biphasic** [MLWC11]. **bivalve** [ACYC10, VGP+18]. **Bivalvulida** [LJHG14, LRB+17]. **Bizerte** [YB17]. **BKD** [BSSH17]. **black** [BCT+17, BPF+18, DCMM13, DBM+14, GPWF19, HKK+11a, LLDL13, PSK+13, PSK+12, SHW+11, SHS14, SRSF10, SHAM14, SMS+19, XWP+18, ZxYJ+19]. **blackeye** [HSGD11]. **blacktip** [PC17]. **bladder** [BMD+14, BCG+17, ŘKH18]. **Bleeker** [BRMG13, BCJ13, DCV+14, LYD+15, LLDL13, RTM+15, WZL+11]. **Bloch** [BFFA+12, BO15, CLWJ13, CBH+15, CCM+11, DDBC+15, GKCC+12, GHW+15, HSGD11, HHM+14, JHW17, LJHG14, LLL+13, TGJCH15, WXL16, YLW+14, ZWLG10]. **blochii** [AZSI+12, CWL+17, WKW13]. **Blood** [BSSB18, CMS+19, Lek12, AI11, DPTCF10, WXL16, YSV+13]. **blood-free** [YSV+13]. **blooded** [SAS+19]. **bloom** [KPM+11]. **blotched** [CDM+16]. **blotting** [LCR+10]. **blue** [BRL+13, FSM+16, HBH+19, KEY+15, RGMGG+18, XKBC12]. **bluefin** [CZB+11, PSZ+14]. **Bluegill** [LEM+19, BMA13, DWL+17, LDEH17, LFL19, LEM+19]. **Body** [PPK+13, LL11, LGS+14, SSL18]. **Bonamia** [BLSG+16, BWP+19b]. **bonasus** [BB11, VPCM19]. **bone** [ARL+17]. **Bonnaterre** [JK12]. **bonnethead** [CBC+13, MCWL13]. **Book** [Rob10]. **Boone** [CMEV17a, CMS+17, CMEV17b, CLW+13, HMV+17, HXZ+16, SSV+17, STG+10, SNM+16, TMM+15, TDLT+16, TDT+16]. **border** [NSC+15]. **botanically** [OWM+17]. **both** [CGW+19, CBM+18]. **Boulenger** [SHAM14]. **bovis** [LRC+18]. **Boxhall** [HBS+14]. **Boxshall** [GAVC16, MSMM19, MGM+18]. **Brachydanio** [Bin14]. **brachypomus** [FCS+18]. **brachyurus** [RBF14]. **brackish** [NOV+11]. **brain** [BSSB18, CLL+10, OKS+13, SON+18, WWZ+18, WZW+18, WKW13, Wen16, XJL+19, YCNW18]. **branchial** [BSD+18b]. **branchialis** [BSWS11]. **Branchinella** [SHW+11]. **Branchiomonas** [WNGS+17]. **Branchiomycosis** [PdSG+12]. **branchiophilum** [GDW+15]. **Brandt** [RFA+14]. **Bravo** [GAVC16, HBS+14, MSMM19, MGM+18]. **Brazil** [CMSHS16, CdAPdC+19, FCS+18, MdOO16]. **Brazilian** [ARL+17, CLS+15, FLC+17, MDC+18, PdSG+12, SPKS17]. **breakdown** [BSSB18]. **bream** [ACSB+19, BC11, DJQ+12, DdRTM13, DPCdR14, Dig13, Dig15, JKH+17, JJV+15, JLJ16, KPT+11, KHC+18, KLW10, LGS+14, MSS+17b, Pol15, RHVG+19b, TPD+19]. **bred** [ADR11, XLZ+17]. **Breeding** [VST+19, SSO+14]. **brevifilum** [SFBW+17]. **brevirostris** [JMHK18]. **brevirostrum** [LGK+14]. **brill** [LPVGL+10]. **British** [BPPKJ10, BHT+17, MMB+15, SMR10, SMM+13, TVK+19]. **broadly** [KWD+16]. **Bromodeoxyuridine** [EPCSBP18]. **bronze** [RBF14]. **brood** [ZZQ+19]. **broodfish** [WNSAL12]. **broodstock** [LMG+19, LPCC12, MMH10, RDN+12, SBP+19]. **brook** [DGS+14]. **Broth** [YVM+14, GCW17]. **brown** [AGFG19, BSPS+18, KHG+17, KFK+16, LSC+14, LSA+15, OSC+14, PGF+19, PHR14, SVV+17, Wen16, YB17]. **brown-marbled** [LSC+14, LSA+15, Wen16]. **Brunswick**

[BSSH17, EWRH13, GVB+17b]. **bryosalmonae** [BSPS+18, BPPKJ10, JZK+14, KAESEM13, LUP+18, MJ17, Mor12]. **bubble** [RPJ+18]. **Buchanan** [Bin14, CXK16]. **Buenos** [Lek12]. **bulbus** [DKG+17, YP17]. **Bulgaria** [OSC+14]. **bullhead** [BPF+18, PHR14]. **burbot** [PFJ+10]. **Burchell** [DAO19, HGPD11, HOHG13, LvD18, OOO+11, OAO+12, SRT+14, TMWV14]. **burdens** [GVB+17b]. **Burm.f** [HDC18]. **burst** [CHAB10, UKS+18]. **butterfly** [BCJ13]. **buttnerae** [OMB+19]. **bv** [ZWL+16]. **by-products** [LKS+13, MMNL14].

C [JCN+14, OTN+12, OKS+13, GMN12, HPAL10, Sam10, SG12]. **C.** [ZWLG10]. **C6** [GCNB16, APG+11, HO13]. **C6-6** [GCNB16]. **C6/** [APG+11, HO13]. **Ca** [WNGS+17, AFTEML19]. **Ca/** [AFTEML19]. **cactaceae** [BAH+16]. **cage** [AZSI+12, GBV+16, LHW+15a, SPS+17, SZZSFN+14, TWYC15, XQS+15, ZxYJ+19]. **cage-cultured** [AZSI+12, SZZSFN+14, ZxYJ+19]. **cage-farmed** [SPS+17]. **cage-level** [GBV+16]. **cage-reared** [LHW+15a, XQS+15]. **cainii** [ABF15]. **calcarifer** [BO15, GKCC+12, JHW17, KNN19, SDM+19, TGJCH15]. **California** [CGAS19, GCCLRP+13, KHS11]. **californiensis** [VCLW16]. **Caligidae** [FSB18a, KJB11, NLC+16]. **Caligus** [BNS13, FVAVMGE18, GAVC16, GOM+19, HLHS11, HBS+14, MSMM19, MGM+18, STIG17, VMBGE17, YAHWU11]. **Callinectes** [FSM+16]. **campbellii** [NDA+19, WBF+10]. **Can** [BMK17, DZV10, LPA+10]. **Canada** [BSSH17, BPPKJ10, EWRH13, FSV+18, FSB+18c, GL18, GVB+17b, KHLL16, LGK+14, LLLG18, LDA+19, MMB+15, MMD16, NRF+18, SMM+13, SCD19, SGQ+15, SQC+14, TVK+19]. **Canadian** [VC17]. **canadum** [CLL+10, HCL+14, HSHC+16, PSS17, SPS+17, TWYC15]. **Cancer** [SWH+14]. **candidate** [LMC+16, SCK13]. **candidates** [ABF15, BLFC12, JKC+11]. **Candidatus** [DPTFC10, MSR+10, SPV+18]. **Cantor** [LL12]. **CAP18** [CMH+17]. **capensis** [MVWS13]. **Capillariidae** [MWRSK17]. **capillata** [PÅD18]. **Capsalidae** [HSHC+16, TGJCH15]. **capsid** [CGG+10, FMT+14, SCK13, SOGR+19]. **capsomers** [LRD+19]. **Capsular** [ZKL+19]. **capsulated** [CLT+14]. **captive** [ADR11, BDB+18, CHF+12, HSGD11, JK12, LYD+15, MCWL13, RTM+15, SBM+11]. **captive-bred** [ADR11]. **captive-raised** [SBM+11]. **captivity** [HFKF17, MS16, RBWR+15]. **capture** [WNLF+12]. **capturing** [OLVJ+13]. **carapo** [VMCM14]. **Carassius** [BBL+16, FCC+13, FSC+16, GAEK+14, KKOY19, KJW+17, LJHG14, LCR+10, LLL+13, NSS+17, RMAM12, WXL16, WIC+19, YNL11, YLW+14, ZWLG10]. **Carcharhinus** [PC17, RBF14]. **Carcharias** [LL11, HKF+16, RBF14]. **Carcharodon** [HKF+16, RBF14]. **carcinoma** [SHAM14, TIK+14b, VPCM19]. **cardiac** [GRT12, YLW+14]. **cardinal** [LLG+15, ŘKH17]. **Cardiomyopathy** [GFS+18, RMR14, SNK+19, WNLF+12]. **cardiorespiratory** [PG16]. **Caribbean** [PRWG17, SBK+13]. **Carp**

[ABVS18, MBS+17, ARR+18, ATJS+18, AI11, BSK+10, BMK17, CLC+17, CR12, CCT+11, EBM+18, FBS13, FSV+14, GSEM13, GSBEM15, GFS+14, GCWB11, JDRM17, JAR+11, JSAH+18, KKOY19, KJW+17, KPM+11, LWJ+16, LLL+12, LLZW14, LJHG14, LXHL11, LLL+13, MPBM+16, MSB+19, MSS+17a, MGN+16, MTA+15, MTAB15, OSAA18, OCLI+19, PTM+19, PFP+13, SGB+16, SBD11, SKN+16, SEM18, SRB12, SJSA+14, TIK+14b, VCN+10, WXL16, WCR+18, XWP+18, YFA+17, YLW+14, YkSKY13, YYW+14, ZWG+18, ZWLG10, ZYW+10]. **carpet** [CIA+18, DABO+17]. **carpio** [AI11, BLFRCQ10, BDM+18, CLC+17, CR12, CCT+11, CLHGK17, FSV+14, GJM+15, GSEM13, HDC18, JDRM17, JAR+11, JSAH+18, KPM+11, LWJ+16, LLZW14, MBS+17, MSS+17a, MTA+15, MTAB15, OSAA18, OCLI+19, PFP+13, RHZA+16, SBD11, SRB12, SJSA+14, VCN+10, WPH+13, WZW+18, YFA+17]. **Carrier** [FLCC+14, PFJ+10, SBH+16]. **Cartilage** [YP17]. **Caryophyllidea** [SBD11]. **Case** [BSSH17, CLHGK17, LGK+14, AHJS+18, ALG15, ATP+16, ARFG13, BMK17, BO15, CIA+18, DBHC17, DML+16, FKB+14, JDRM17, JR19, LL12, MNF+15, OLVJ+13, OOO+11, TIK+14a]. **casein** [PMH+11, SJDC+13]. **cases** [DSJA18]. **caspase** [LBF+14, RCGGM15]. **caspase-1** [RCGGM15]. **caspase-3-positive** [LBF+14]. **cataract** [ALG15, SFR+17]. **cataracts** [JHRW17]. **Catarina** [CdAPdC+19]. **catchment** [DIH+16, HHC+18]. **catecholamine** [DSSB19]. **catfish** [BNC+11, BSV+18, BSSB18, BSD+18b, BSD+18a, BSD+18d, BAD+12, BBF+15, BPF+18, CCMA+17, CTK+10, DD15, DAO19, EAN+18, HGPD11, HOHG13, KMGK+18, LTC+14, LLWL15, MP18, MAOS+18, OOO+11, OAO+12, PRWG17, PRSK10, PMK12, RKPG16, SMV+14, SLPB18, SZZSFN+14, SMFM12, SRT+14, TMWV14, VST+19, XKBC12, YSK13, YK13]. **Catostomus** [MGN+16]. **caudal** [ASW16, PWHW18b]. **caught** [CNN+10, HFKF17, MIO+18, RBWR+15, RSM+18, SDZN19]. **causal** [ACM+14, SSF+17]. **causative** [CPP14, KEY+15, MFS+17, RGD+13, WEPB+18, ZWG+17]. **cause** [HB12, LCZ+18]. **caused** [APP+17, AHTCA+17, CONN10, DDBC+15, DTJ+17, EEMCEGSP16, GVC+19, KAF+19, LLH+14a, MKY+15, MGM+16, MAOS+18, MCCN14, NBJ10, NDA10, PHVM13, ŘKH18, RSP+17, RRG+19, TSK+19, ZZA+14, dSdAdS+19]. **causes** [LDÁM14, PZL+14, QZZ+18b, SSK17]. **causing** [BMMC+15, BPF+18, DD18, KYB+15, LPC+18, PRY+18, QWTL17, SPP+18, TOK+16, WZQ+16, ZWL+16]. **caution** [KZJ+17]. **Cavernous** [SMD+12]. **caviae** [BSB+18, BSV+18]. **CD3** [RBL+11]. **cefotaxime** [GTGCM19]. **cel** [XXL+19]. **cel-EIIB** [XXL+19]. **Cell** [DLP+13, AI11, AGB+19, APG+11, BNC+11, BAMYAH19, BKG+18, CHWM+19, CLL+10, CD17, CGCAH12, DMD+17, EYF+19, GHH+11, GM10, GSBEM15, GBSF12, GHW+15, HGW+19, HO13, HCW+16, IFF+15, JMF+18, JJS+12, KLW10, LJC+19, LSC+14, MVM+18, MB17, MTHB13, NMV+19, NSE+17, NYRS12, PWHW18b, PWW19, PMW+10, PPF+12, RPMRLJ+19,

RBL+11, SVL+17, SHAM14, SSG+19, SDR+15, TQW+14, TDT+16, VBL+15, VBL+16, VKK+19, WBF+10, WWS+11, WWZ+18, WZW+18, WCL+19, WKW13, Wen16, WCW+16b, WBD+10b, XWP+18, YNL11, YCNW18]. **cell-free** [MB17]. **cell-infecting** [WCW+16b]. **cells** [AHPR+16, AJLC+16, BCLM+19, BGD+17, BDM+18, CCCTA+14, CXW+19, DPC+10, DPADO16, GIW+11, GCM+18b, IFF+15, LDÁM14, Lek12, LASRA+19, LBF+14, OMO+15, PMH+11, PSR+11, PPK+13, RSB13, RCGGM15, SHKF16, SJT14, WXL16, WBD+10b, XJL+19]. **cells-infecting** [OMO+15]. **Cellular** [ASA10, CRS+13, YHY+16]. **Celtic** [RBWR+15]. **central** [SMJ+14, GFB+13]. **centres** [PSZ+14]. **centrifugation** [DLCC+13, MTHB13]. **centroura** [CBFM16]. **Cephalotheca** [ŘKH16]. **cephalus** [MVWS13]. **Cerastoderma** [RAVC18]. **Ceratomyxa** [HB12]. **cerebralis** [FCJH19, MKKM15]. **cernuus** [MGM+16]. **Cestoda** [BB11, BCJ13, SBD11]. **cestode** [WFH+18]. **ceti** [CLS+15, GMC+16b, MHNY18]. **CEV** [MSB+19, RAM+18]. **cf** [MdOO16]. **chain** [BHT+17, LSA+15, NYRS12, TSS18, THW+12, YEK+17]. **chalcogramma** [WMF14]. **Challenge** [BVK+16, CCLGRM+17, CAJD+18, CRS+13, CTK+10, GMC+16b, GFM+11, GBSF12, JAR+11, JSAH+18, KBTMH+16, MRN+19, MAC+15, MID+19b, MID+19a, NSE+17, PYSS19, SGB+16, SPCR+19, SSC17, TTL+16, ZWL+14]. **challenged** [LF16, NNCLGC+11, RCGGM15, RSIP+17, RSPA+18, SOA+18, SCS+12, TSS18, ZJR+18]. **Change** [OKS+13, TTL+16]. **Changes** [CHWM+19, DCZ+17, GTGCM19, VCN+10, YK13, ACLP+19, BCBS+13, BHO+19, CSA+15, DTF+16, DPTCF10, DAO19, FvdMF+18, GFM+16, JKL+13, LDÁM14, LF16, MAOS+18, PAM+19, PCK+15, SSV+17, SOGR+19, TQW+14]. **changing** [JR19]. **Channa** [CLZ+12, DIH+16, LGC+19]. **channel** [BBF+15, LLWL15, MP18, PRSK10, PMK12, RKPG16, SZZSFN+14, SMFM12, YSK13, YK13]. **Chanodichthys** [TIK+14b]. **chaperone** [MFHHG18]. **chaperones** [RAS+10]. **Chapin** [STF+15]. **char** [SWM+15]. **Characidae** [Lek12]. **characteristics** [CD17, HKK+11b, LQL+10, MB17, OLVJ+13, TWYC15, WZA10]. **Characterization** [ACM+14, CMSHS16, CD17, CCME16, CLS+15, EDP+17, GLW+18, HBVB16, KYB+15, LLL+18a, PFJ+10, PRY+18, RB15, VKK+19, Wen16, WNLF+12, YCNW18, BNC+11, BPF+18, BCL+19, BCM+17, BDM+18, CLZ+12, CCLL16, CLL+10, DTF+16, DLCF13, DPADO16, DLPR15, DKBS17, DMK+19, ERÁpSB14, FDL+17, FMA+19, GJM+15, GBO+18, GHH+11, GFS+14, GGGM14, HJT+16, HY16, HLC+15, HHX+15, HCW+16, IGLG+17, KTP+15, KLW10, LJC+19, LCC+15, LRB+17, MFHHG18, NYRS12, NSC+15, OLVJ+13, OFA11, OGI+18, PWHW18b, PKPG15, PSBG+11, PAZ18, PLC+19b, RGMGG+18, RVC18, SRSF10, SDWA18, SDZN19, SPS+17, SMV+14, SMS+19, SSO+14, SMC+11, TPD+19, VMBGIC19, VGP+18, WWS+11, WWZ+18, WZW+18, WCL+19, YNL11, YK12, YMH+11, YLS+19, ZQB+11, ZB12, ZWG+17]. **characterize** [BWM+13, TAC15]. **characterized** [GTT+17]. **charr** [SVL+17, WKK12].

Chasmistes [JMHK18]. **che** [FMA+19]. **chelonae** [CBW19]. **Chemical** [OBD10, SHS14]. **chemicals** [TFG19]. **Chemotactic** [YSK13]. **chemotherapeutants** [MMH+18]. **Chen** [SS17]. **Cherax** [ABF15]. **Chesapeake** [SKB10]. **Chile** [AAUHW15, BNS13, CRAG+12, GGH+10, HBS+14, MSMM19, PBMB11, VDMJ+13, YAHWU11]. **Chilean** [AHTCA+17, CIL+17, CCCTA+14, FCL+19, HBB+15, HKB+16, IGLG+17, ISCF+19, LCV+17]. **Chilean-farmed** [AHTCA+17]. **chilensis** [IGLG+17]. **Chilodonella** [GJMH17]. **chilodonelliasis** [BO15]. **Chilodonellidae** [GJMH17]. **Chiloscyllium** [CIA+18]. **Chimaera** [DRdS+10]. **chimeric** [EBM+18]. **China** [LZGZ16, LHW+15a, LXL+18, CWW+18, HHX+15, LYL+18, LQY11, LL12, LLH+14b, LJHG14, LXX+17, WZL+11, XLZ+17, YLSW14, ZYW+10, ZSZF16, ZLX+19, ZCC18, ZDWH18]. **chinensis** [WLX+10]. **Chinese** [DML+16, DCZ+17, DCL+17, FGJ+10, SCS+12, WLX+10, YMH+11, ZB12]. **Chinook** [BHT+17, BMH+19, DWP+19, DPD+18, GMC+16a, GBO+18, GTH11, LST+12, LF16, LF18, LWMT10, MPS+18, PMPG+16, STF+15]. **chitosan** [BYAS+19, LLDL13, RSGB+14]. **Chlamydiales** [SPV+18]. **chloramine** [BA14]. **chloramine-T** [BA14]. **chloride** [CHWM+19, MMD+12, MGF17, RHS+12]. **chloride-induced** [MGF17]. **chlorine** [DD18, MWRSK17]. **chloropiperidin** [SRD+16]. **Cholangioma** [vD14]. **cholerae** [ZZC+17]. **cholinergic** [BSD+18b]. **chondracanthid** [ABC+10]. **Chondracanthus** [ABC+10]. **Chondrichthyes** [DRdS+10]. **chorion** [SWS+16]. **chromatography** [KKT+18b, KKT+18a]. **chromogenes** [LHW+12]. **chromogenic** [CPEH15]. **Chronic** [KPT+11, LLH+14a, MKY+15, SJT14]. **Chryseobacterium** [IAR+10, PSVK+18]. **chrysops** [DBS12]. **chuatsi** [TIK+14a, TQW+14]. **chum** [DPADO16, KBE+14, MUM+19]. **cichlid** [LFSZ18, RHST+16, RhMM+15, RhMV+15]. **cichlids** [dASLS+19]. **ciliate** [AJLK+18, vGJKR+17, YYW+14]. **ciliates** [GJMH17]. **Ciliophora** [SPP+18]. **circle** [ABM+15]. **citrus** [LKS+13]. **CJ** [ZWL+14]. **clam** [ACYC10, DABO+17, FBVC16, MMD16, PDdC+14, RPJ+18]. **clams** [MMMD16]. **Clarias** [BNC+11, DAO19, HGPD11, HOHG13, LvD18, OOO+11, OAO+12, SRT+14, TMWV14]. **clarithromycin** [CDW17]. **clarkii** [AMAR18, DXX+15, JPG+19, MKKM15, WXWD15]. **class** [ATM+10, CPB+15, LMG+19, LLZW14, NB11, RBM+16]. **classes** [AH16]. **claudin** [SJSA+14]. **Clavochlamydia** [MSR+10]. **clay** [BBF+15]. **Cleaner** [Spe19a, Spe19b, BW18, GCGR13, GDN+16, WDM+15]. **cleansing** [Lek12]. **clearance** [CR12]. **Cleidodiscus** [BCT+17]. **Clinacanthus** [HDC18]. **Clinical** [BHW+11, HBB14, JJB15, RMR14, SHW+11, SMS+10, BSSH17, BHA+17, BSBH10, CPdPP16, CRAG+12, HWM+13, KTP+15, QXW14, RHZA+16, RHST+16, RHSM+18b, TSS18, CGP+19]. **clinically** [SG12, TWNB+12]. **Clinostomum** [FŠK+19]. **clioquinol** [LPC+18]. **clipping** [ASSP+15]. **Clonal** [MFS+17, CHB+17, TALA11]. **clonality** [RDW18]. **clone** [BMMC+15]. **Cloning**

[CLWJ13, JKH+17, NMIY14, HCW+16, NRMS14, NSE+17, SHKF16]. **close** [LDEH17]. **closure** [ASSP+15]. **clownfish** [BRMG13, SBK+15]. **clpV** [LXZ+19]. **club** [PPF+12]. **Clupea** [GJVT+11, GGW+11, HLL+12, HCEH16, MMBS10]. **clusters** [BKG+18]. **Cnidaria** [MJ17, RKPG16]. **Cnideria** [PÅD18]. **Co** [ASHZ+12, ATP+16, ARFG13, MBOC19, VDMJ+13, DYML+18, LGJ19, WNAJ+16]. **Co-Infection** [ARFG13, ATP+16, MBOC19, VDMJ+13, LGJ19]. **co-infections** [DYML+18, WNAJ+16]. **coast** [BMGS17, EEMCEGSP16, FSM+16, GMP+11, JKO+13, LGK+14, MDC+18, RDN+12, SDJH16]. **coastal** [CNN+10, HGH+16, RSF+17]. **coat** [ZLN+17]. **coated** [MTK+10, SSHEM11]. **cobia** [CLL+10, HCL+14, HSHC+16, PSS17, SPS+17, TWYC15]. **Cobitis** [FŠK+19]. **cocaine** [GFM+16]. **cocci** [BHA+11]. **coccidiosis** [LFL19, dSdAdS+19]. **cockle** [DIVC16]. **cockle-based** [DIVC16]. **cockles** [DIVC16, RAVC18]. **cocktail** [SPCR+19]. **cod** [BSWS11, BMGS17, BK12, FvdMF+18, GIW+11, GGGM14, HLHS11, HKD+10, HFKF17, MVM+18, MBB12, OBD10, PG16, RBWR+15, Sam10, SJT14, ZCP12]. **Codon** [SCK13, MLH+15]. **Codon-optimized** [SCK13]. **coexistence** [LVADB17]. **coggygria** [BE19]. **cognate** [ZWY+11]. **cohabitant** [MID+19a]. **cohabitation** [BWS+18, GFM+11, MID+19b]. **cohabited** [Tre12]. **Coho** [AHTCA+17, VMBGE17]. **coinfection** [ATP+17, MP18]. **coinfections** [PTM+19]. **coioides** [FHZ+16, NNC+18, WCL+12]. **Cold** [KSS17, CHV+12, SAS+19, VBL+16]. **cold-blooded** [SAS+19]. **Cold-water** [KSS17]. **coldwater** [GCNB16, MBS+19a, RHB+15]. **coli** [SNM+16]. **collected** [BOH+12, BA13, BMGS17, DBV+13, GOM+19, MJ17, PPSW19, SMJ+14, WWE+13]. **collecting** [LST+12, MWRSK17]. **collection** [ZCCN13]. **colloidal** [LXX+17]. **Colombia** [BMMC+15]. **colonization** [BK12, SFL+16]. **colonized** [RHBMM13]. **colonizing** [LF18, SWWN+16]. **Colorimetric** [ASS19]. **Colossoma** [ANB+19, FCS+18, OMB+19, PdSG+12, VDO+18b, VDO+18a]. **Columbia** [BPPKJ10, MMB+15, SMM+13, TVK+19, BHT+17, SMR10]. **column** [JHM+18, MLF+10]. **columnare** [BBF+15, BLF+16, BMA13, DBS12, DBV+13, DLPR15, DSLR16, FDL+17, GLW+18, GCW17, LWWS14, LGD+17, LGS19, LFD+17, LZZN10, LLL+12, OFA11, SL15, SLPB18, TQW+14, WSA+18]. **columnaris** [MA16]. **columns** [OM10]. **combination** [QZZ+18b]. **combinations** [HCL+14]. **Combinatorial** [PPI+13]. **Combined** [MDF+17, AGB+19, TCFáS19, WSX+18]. **comes** [BSW17]. **Comment** [KRFT14, JCN+14]. **Comments** [Pol15, FYO+11, MWS17, Dig15]. **commercial** [ABF15, CdAPdC+19, MSBB+16, TFG19]. **commercially** [LXX+17, WGL17]. **commersonii** [MGN+16]. **Common** [SBH+16, ABVS18, BWS+18, CLC+17, CR12, GSEM13, JST+19, JAR+11, LWJ+16, LLZW14, LJGRI+10, MBS+17, OSAA18, OCLI+19, PTM+19, PFP+13, SGB+16, SGQ+15, SEM18, SSK17, SRB12, SJSA+14, THW+12,

VCN+10, VDD+18, YFA+17]. **community** [JSAB+19]. **companion** [RBR19]. **Comparative** [BBP18, BFC+15, FDST16, GPL+12, IBFL19, LWZ+18, MID+19b, MNG+18, OEG+13, RCD+17, RSIP+17, VTM+14, WZA10, XJL+19, XKB12, YEK+17, ABT+14, BSPS+18, DPTFC10, FLVA10, GFM+11, MID+19a, SOA+18, SMS+18, KPT+11]. **comparing** [CMH+17, EWRH13]. **Comparison** [GRG+16, HOHG13, RSPA+18, TAC15, BLF+16, DZC+16, EAM+13, LLLG18]. **Competition** [YHY+16]. **complanatum** [FŠK+19]. **Complementary** [TQW+14]. **Complete** [CGG+10, KKM+19, YMH+11, ZxYJ+19]. **complex** [CPB+15, KDP+17, TALA11, PdLC19]. **Complex-related** [PdLC19]. **complexes** [LC17, LRD+19]. **component** [NDA10]. **components** [ASA10, BLF+16]. **composition** [IBFL19, JBO+15, KFK+16, LDÁM14, LWZ+18]. **compositions** [DTF+16]. **compounds** [AHH16, AH16, MoSMS18, PPI+13]. **Comprehensive** [HKB+16]. **compression** [LGS+14]. **computed** [LTC+14]. **computer** [CMEV17a, CMEV17b]. **computer-assisted** [CMEV17a, CMEV17b]. **concentration** [GFM+16, HH13a, MSC+17, OM10, YVM+14]. **concentrations** [FCJH19, GTGCM19, HHO14, HGH+18, RHB+15]. **Concurrence** [ACA+16]. **concurrent** [LGK+14]. **condition** [PBM+15, SSJ+19, SSL18]. **conditions** [CDG+14, HBS+14, HKG+15, KCL14, MGM+18, TAQ+10]. **conducting** [WWE+13]. **confinement** [PBC15]. **confirm** [KF10a]. **confirmation** [CHB+17, GPWF19]. **confirmed** [JDRM17]. **confirms** [KDA+18]. **confocal** [BCM+17, CGCAH12]. **conger** [IGLG+17]. **Congo** [HHC+18]. **conjoined** [ADR11, BQP12, LTC+14]. **conjugated** [RSGB+14]. **connection** [MTG+10]. **consensus** [TAC15]. **consequence** [AFTEML19]. **consequences** [LGS+14]. **conserved** [YEK+17]. **consideration** [SSL18]. **Constance** [BGRB14]. **constant** [TQW+14]. **constitutes** [SPTDEE+15]. **Construction** [EAN+18, SWM+15, YK12, ZWL+14]. **contact** [SVY+14]. **containing** [SNM+16]. **contaminated** [BSD+18d, WBD+10b]. **content** [BCBS+13]. **continuous** [MVM+18, PWHW18b, SDR+15, VKK+19, YCNW18]. **Contracaecum** [DMB+16]. **contractile** [LTC16]. **contribute** [FBS13]. **contributes** [YZW+19]. **control** [ASA10, BNS13, DBS12, FLC+17, GVB+17b, HLHS11, JR19, MSS+17a, NFA15, SKGE13, TDJ+10, VGI+16]. **Controlled** [SPLV+15, KBTMH+16, MMBS10, NRMS14]. **controlling** [BAH+16, GCGR13, HGG+11, MSMM19, SMFM12]. **controls** [BMBS12]. **coordinated** [JR19]. **Copaifera** [VDO+18b]. **Cope** [JMHK18, LRB+17]. **copepod** [ABC+10, SAD+12]. **Copepoda** [FSB18a, BSWS11, KJB11, MAOS+18, PMBM13]. **copepodid** [BRL+13]. **copepodid-density** [BRL+13]. **copepodids** [BRL+13, DLLB+18, FSB18a]. **copper** [DBS12, FCJH19]. **core** [TMWV14]. **Coregonus** [SMS+18, WKW+11]. **corkwing** [SRM+18]. **Coronary** [DTF+16, BOH+12, DRdS+10]. **correction** [GM11]. **correlate** [PdLC19].

correlated [HZP+12]. **correlates** [Dal18, NN11]. **correlation** [FPK+17, JSJR+19, LLS+11, LWMT10, MSC+17]. **corresponds** [GGW+11]. **Corrigendum** [Ano12a, Ano12b, Ano17a, Ano17b]. **cosmetic** [VME+19]. **costae** [KCD+14]. **Cotinus** [BE19]. **count** [GBV+16, GVB+17a, Gis18]. **counts** [EWRH13]. **County** [MNM+19]. **coupled** [YGL+18]. **course** [RBM+16]. **Cover** [ESV+19a, FSB18b, GGMG18a, GCM+18a, LITCAH19a, LLL+18b, MTLP+18a, PWHW18a, PLC+19a, QZZ+18a, VSDS+19b, BWP+19a, MBS+19b, RHTC19a, RHVG+19a]. **cownose** [BB11, VPCM19]. **cowtail** [SDZN19]. **CpG** [PFC+13]. **Cpn60** [CG11]. **crab** [DML+16, DCZ+17, DCL+17, FGJ+10, FSM+16, LQY11, MRR+14, RNM+12, SCS+12, ZB12]. **crabs** [SWH+14]. **crappie** [GPWF19, SMS+19]. **crappies** [BCT+17]. **Crassostrea** [CBM+18, GVLE16, GCCLRP+13, HPY+13]. **crassus** [BMD+14, BND+17, FDST16, LML12, LFP+11a, LFP+11b]. **Crayfish** [KPKP10, AMAR18, DXX+15, JPG+19, OSC+14, SMKBP17, VDHV+16, VDH19]. **crimson** [CLWJ13]. **critical** [WBD10a]. **croaker** [HZJ+19, XQS+15, ZZA+14, ZWG+17]. **croakers** [MPM16]. **crocea** [HZJ+19, XQS+15, ZZA+14, ZWG+17]. **Cross** [AAUHW15, GRF14, JLJ16, MBS+19a]. **Cross-neutralization** [GRF14]. **cross-protection** [JLJ16, MBS+19a]. **Cross-sectional** [AAUHW15]. **crossback** [KVC+16]. **crossbreeds** [PFP+13]. **crowding** [Bin14]. **Crp** [VSS17]. **crucian** [BSK+10, KKOY19, KJW+17, WXL16]. **crumenophthalmus** [HHM+14]. **Crustacea** [BSWS11]. **crustaceans** [LXX+17]. **cryotherapy** [BCW+15]. **Cryptocaryon** [LMAKN16]. **cryptocaryonosis** [LMAKN16]. **CT** [BWM+13]. **Ctenochaetus** [WA14]. **Ctenolabrus** [BT14]. **Ctenopharyngodon** [GCWB11, LLL+12, YYW+14]. **Ctenopharyngon** [LXHL11]. **cucumber** [LQL+10]. **cues** [FSB18a]. **cultivable** [STIG17]. **cultivated** [VFB+12]. **cultivation** [APG+11, KAESEM13, KSAB+14, Sla14]. **cultivation-independent** [Sla14]. **culture** [ABF15, AGB+19, AdOG+17, EAM+13, GM10, GBSF12, GDN+16, HO13, JJS+12, LLX+19, MB17, MLWC11, Mor12, ONA10, SMS+10, STS+15, YSV+13]. **culture-associated** [ONA10]. **cultured** [AOAH13, AAZS+15, AZSI+12, ACLP+19, BMMC+15, BAD+12, CVLJ+10, CVGR+13, CWW+18, CCT+11, CLW+13, CSA+15, CWL+17, CPP14, CCM+11, CCMA+17, DMP10, EKS+13, HHX+15, KPT+11, KPK+18, KLD+18, LGK+14, LFSZ18, LYL+18, LL12, LPVGL+10, LLL+13, MLRS+17, ME12, MKMY10, PAZ18, PLC+19b, QWTL17, RHSM+18b, SMD+12, SPKS17, SDJH16, SSJ+19, SZZSFN+14, SKPS16, TWYC15, WZL+11, WZQ+16, XJL+15, YYF+10, ZQB+11, ZxYJ+19, dALF+17]. **cultures** [CHB+17, PDdC+14]. **culturing** [KDP+17]. **cuneata** [LPVGL+10]. **curcumin** [MDF+17]. **Current** [GJMH17, LRMN17, MYWC18, WBD+10b, GFS+18, JJM+17, KSS17, TALA11, MMH+18, ZGY+18]. **curtus** [HLHS11]. **Cururu** [MdOO16]. **curve** [TCFáS19]. **cut** [SEK+16]. **cut-off** [SEK+16]. **Cutaneous** [LLG+15, MBD16, AGFG19, KHS11, LDÁM14, VPCM19].

cutoff [GCW17]. **cutthroat** [MKKM15]. **Cuvier** [BQP12, BHW+11, CHF+12, GOM+19, PdSG+12, SBK+15, ZWY+11]. **Cyanea** [PÅD18]. **cyanobacterial** [KPM+11]. **cyanuric** [PCK+15]. **cycle** [AJLK+18, LNC+17, RRC+17]. **cycles** [JR19]. **cyclic** [VSS17]. **cyclophilin** [YSK13]. **cyclopteri** [ATP+16, PB18]. **Cyclopterus** [ATP+16, AGR+16, CCH+19, ESBE18, EWH+19, ELI+17, EDV+18, ESV+19b, GVC+19, JHRW17, MLRS+17, PAM+19, PB18, SBP+19, SFBW+17, TDS+19]. **CyHV** [BBL+16, AHJS+18, IFF+15, NSS+17, PFP+13, RAM+18]. **CyHV-2** [BBL+16, AHJS+18, NSS+17, RAM+18]. **CyHV-3** [IFF+15, PFP+13]. **Cynoglossus** [XJL+15, ZQB+11]. **Cynoscion** [CCM+11]. **cyprinacea** [RHS+12]. **cyprini** [GSBEM15, WBD+10b]. **Cyprinid** [LLL+13, MSS+17a, ASB+12, CLC+17, CCW+15, EBM+18, MLH+15, MKY+15, MBT+17, NSS+17, PFP+13, RAM+18, SEM18, WXL16, WSX+18, WIC+19, BBL+16, FBAS16, FCC+13, FSC+16, GSEM13, GAEK+14, HDC18, IFF+15, KJW+17, TKS+18]. **Cyprinus** [AI11, BLFRCQ10, BDM+18, CLC+17, CR12, CCT+11, CLHGK17, FSV+14, GJM+15, GSEM13, HDC18, JDRM17, JAR+11, JSAH+18, KPM+11, LWJ+16, LLZW14, MBS+17, MSS+17a, MTA+15, MTAB15, OSAA18, OCLI+19, PFP+13, RHZA+16, SBD11, SRB12, SJSA+14, VCN+10, WPH+13, WZW+18, YFA+17]. **Cyrilia** [MdOO16]. **cyst** [SdMVS+16]. **Cystic** [RhMM+15, WBE+17]. **cysticola** [WNGS+17]. **Cystidicolidae** [SBK+13]. **cytokine** [AMA11]. **cytokines** [NSE+17]. **cytologic** [RSR+18]. **cytometry** [CHB+17]. **cytotoxicity** [JSJR+19]. **Czech** [PFP+13].

D [ASHZ+12, JCN+14, KBE+14]. **dab** [SBH+16, VDD+18, YYW+14]. **damage** [MBB12]. **damselae** [BBP18, CDF+18, CRS+13, HCL+14, KPSP+19, OJRL10, SPS+17, BBP18, HHM+14, SPS+17]. **Danio** [AMRHM18, CXK16, CKvGJB17, EDP+17, KWGS19, LHW+12, LHW+15b, MLR+12, MWRSK17, RAM+19, SZM+15, SSK17, ZJR+18]. **Dasyatis** [CBFM16]. **data** [Gis18, HBS+14, MPJ+15, SMM+13, SK15, SEK+16]. **database** [EKT+11, JSK+10]. **dead** [CBM+18]. **deaminase** [BSD+18a]. **Decapterus** [BHW+11]. **decipiens** [BK12]. **decreased** [MCO11]. **decreases** [CCHL13, USM17]. **decussatus** [DABO+17]. **defence** [DLP+13, RRO+13]. **deficiency** [WPH+13]. **deficient** [HCCM12]. **definition** [BSSH17, MNF+15]. **definitions** [OLVJ+13]. **deformation** [TPD+19]. **deformations** [ASW16]. **deformities** [CLHGK17, Dig13, Dig15, FHFF15, GHB+11, MLF+10, Pol15, SMS+18]. **deformity** [GCWB11, JHM+18, NWMK16]. **degenerated** [VCOD17]. **degenerative** [ARL+17]. **Delftia** [ARFG13]. **delica** [TFG19]. **delivered** [PBM+15]. **delivery** [LLDL13]. **delousing** [HH13a, JR19]. **Delta** [BAD+12]. **Deltamethrin** [HBS+14]. **Deltistes** [JMHK18]. **demonstrate** [WKW+11]. **demonstrates** [GCM+18b, LLS+11, PPE+18]. **demonstrating** [JKS+13]. **demonstration** [CBLN13]. **Dendronereis** [HVVV15]. **denitrification** [JSAB+19]. **density** [BRL+13, DLCC+13]. **densovirus** [OLC11].

deoxynivalenol [RHB+15]. **dependency** [JHW17]. **dependent** [ASSP+15, HZJ+19, CGG+10, HLP+16]. **depletion** [DdRTM13, DdRCP13, DPCdR14]. **deposition** [CHF+12]. **depositions** [LAN+14]. **deprivation** [LDÁM14]. **derivative** [PVIM18]. **derived** [GHH+11, KLW10, LJC+19, OWM+17, PMW+10, SSG+19, WWS+11, YSHG18, YNL11, YCNW18]. **dermal** [RKPG16]. **dermatitis** [PRT+14, RBS+16]. **dermatopathy** [KPT+11, SJT14]. **Dermocystidium** [FCS+18, KHLL16, LLG+15]. **Dermocystidium-like** [KHLL16]. **description** [BLdA+18, BVT+18, CTD+12, GKCC+12, GGH+10, MdOO16, SZM+15, dSRSHGá+19]. **descriptive** [WMM+16]. **Design** [LTG+18, VCOD17]. **Desmarest** [MPM16]. **Desmozoon** [MRSC13]. **destructive** [BMT+15, CMS+19, LJGRI+10]. **detect** [CDG+14, THW+12]. **detected** [CCW+15, SRM+18]. **detecting** [AHITC18, BRB+12, HWM+13, WCW16a]. **Detection** [ACSB+19, BKS+17, BLSG+16, BPF+18, CPEH15, FCM+19, FCC+13, FGR+12, GFB+13, GBSF12, GCCLRP+13, JKC+11, JYZ+14, JHGR13, KTN+16, KJW+17, LGC+19, LJGRI+10, MCW+18, NJK+17, NFF+17, NSC+15, OMO+15, PBW+18, SZZSFN+14, SSO+14, VGP+18, WXL16, ARR+18, AGB+19, BBC+10, BBL+16, CLC+17, CDF+18, CWW+18, CRAG+12, CZL+19, DPMK12, DTM+10, DCL+17, FSC+16, FSG+12, GMB+17, GJK+11, GM10, HJOK11, HGB+11, JNN+11, KJW+12, KBJ+13, KMGK+18, LFH+11, LLWL15, LXX+17, LCR+10, MSI+15, MTHB13, MTAB15, MNM+19, NLKA16, NMM+18, NOST+16, OCLI+19, PHvdH12, PSK+13, RHZA+16, RPJ+18, SMF+10, SSHEM11, SPKS17, SKN+16, Sla14, SEM18, TSS18, TSK+19, WWZ+18, WSX+18, XJL+15, YTL10, YWW+19, YLX+19a, ZCCN13, ZCC+15, ZWG+18, ZHFC11, ZLN+17, vBVLR+16]. **detections** [HST+13, TVK+19]. **detects** [ISCF+19]. **determinants** [NB11]. **Determination** [OM10, DSJA18, RHTC19b]. **determinations** [YVM+14]. **determined** [BHT+17]. **developed** [NMV+19]. **Developing** [WCW16a]. **Development** [Ano12c, BRB+12, BMBS12, CDF+18, CCCTA+14, CLT+14, ÇOÇ+16, CPdPP16, DPMK12, DCL+17, EKT+11, FSG+12, GJK+11, HRL15, HLC+15, JKS+13, KJW+12, KBJ+13, LML+13, LLWL15, LXX+17, LLX+19, MVM+18, MSI+15, MID+19a, MF12, NLKA16, OFA11, PWHW18b, PSK+13, RSGB+14, SCF+13, SVL+17, SKN+16, SFL+16, TSS18, THW+12, VBL+15, YWW+19, YLX+19a, ZCC+15, ZWG+18, vBVLR+16, BPCS19, BSK+10, CRBLC+17, CLS+15, DMK+19, EDN18, FLC+17, HH13b, HFKF17, JWO+10, JJV+15, KBE+14, LCOZ10, NMM+18, OLVJ+13, PWW19, SVV+17, SNK+19, dALF+17]. **DHA** [BCBS+13]. **dhakensis** [CMSHS16]. **diagnose** [NMIY14]. **diagnosing** [KKT+18a]. **diagnosis** [ATM+10, FBL+14, FMB+11, KKT+18b, VCOD17, WXL16, YYF+10]. **Diagnostic** [JSJR+19, BTC+17, CPdPP16, EAM+13, FMT+14, HH13b, HAS+19, JWO+10, JSJR+18, LTG+18, LMG+19, LPCC12, MNG+18, NJK+17, VDH19, BWP+19b, RHSM+18b, RHSM+18a]. **diagnostics** [LML+13]. **Dicauda** [LRB+17]. **dicentrarchi**

[AHITC18, IGLG+17, KAF+19, LITCAH19b]. **Dicentrarchus** [CKTT10, FCM+19, FPK+17, LMC+16, NOST+16, PBC15, PST+16, RRC+17, RGD+12, TMC+12, TNK12, VTM+14]. **Dichelesthium** [SAD+12]. **dichotomy** [VC17]. **diclina** [SWWN+16]. **Dicologoglossa** [LPVGL+10]. **did** [OBFR12]. **Didymodiclinus** [PMP+18]. **Didymozoidae** [PMP+18]. **diet** [BSD+18d, HOHG13]. **Dietary** [MLF+10, AFTEML19, AMA11, BCBS+13, DTF+16, DMB+19, LKS+13, PCK+15, SFR+17]. **differ** [BDD+18]. **Difference** [LZZN10]. **Differences** [JOF+19, TDLT+16, BLF+16, RSPA+18, SHO+17, SFU+13]. **Different** [ZXW+12, BRL+13, CRO+18, CPdPP16, CRS+13, DDBC+15, DMK+19, ELI+17, GFS+14, GRG+16, HKK+11b, HH13a, HZX+13, JAR+11, JR19, JPG+19, JKH+17, JHGR13, JBGP11, JJSJ15, JSJR+18, JSJR+19, KEY+15, MAC+15, PST+16, RHTC19b, SSV+10, SWWN+16, TDS+19, VTM+14, WBF+10, ZYW+10]. **Differential** [CZL+19, OLVJ+13, PMW+10, RSB13, VBL+16, WCL+12, ZJR+18, CLW+11, CLT+14, CDG+14, HB12, NSE+17]. **differentially** [LSA+15]. **differentiated** [CIA+18, SJSA+14]. **differentiates** [GLK+16]. **differentiation** [JSJR+18, RMSH09, SEM18]. **differs** [KBTMH+16]. **diffusion** [SK15]. **digenean** [DLP+13, DAO19]. **digestion** [RRG+19]. **digestive** [BT14, DPTFC10]. **Diggles** [Dig15, Pol15]. **dilation** [LWMT10]. **dimensional** [KTK17, LLL+12]. **Dinophyceae** [YB17]. **dioctes** [DD15]. **Diodon** [SBK+13]. **dioica** [AA10]. **dip** [NCNB18]. **Diphyllobothrium** [KFK+16, KKKA17]. **Diplodus** [KPT+11]. **diploid** [AAV+16, LWZ+18, SFR+17]. **diplomonad** [MLWC11]. **dips** [TJR+18]. **dipstick** [WSX+18]. **Direct** [DXX+15, GCNB18, vGJHS+11, LCR+10, SSHEM11]. **disc** [SK15]. **discus** [AFTEML19, RKK+19, RKK+19]. **Disease** [AHTCA+17, SWD+14, ATJS+18, ACN12, AAUHW15, AFTEML19, Ano10c, BSW17, BMMC+15, BTN+18, BHF13, BPCS19, BSK+10, BSSH17, BPK+17, BMT+15, BSBH10, CCLGRM+17, CVGR+13, CJB+15, CHV+12, CPP14, CCME16, CRAG+12, CONN10, DD18, DMB+19, DBHC17, DML+16, DTJ+17, DYML+18, DSJA18, DT16, FFLC17, GCNB16, GTT+17, GCM+18b, GKO+14, GDW+15, GMN12, GBSF12, HZP+12, HHX+15, JWO+10, JTW+10, JJB15, JJM+17, KRD+17, KTP+15, KAF+19, KOI+14, KTN+16, KYB+15, LGK+14, LKS+13, LLS+11, LRMN17, MBS+19a, MNF+15, MKI+15, MLER+18, MTG+10, MR11, MA16, MCCN14, NPGA+19, NBJ10, NDA10, OLVJ+13, OSAA18, OCLI+19, OLT+10, PHvdH12, PRT+14, PGF+19, PRY+18, QPB+16, RSP+17, RRG+19, RPJ+18, RHB+15, SHW+11, SHS14, SMS+10, STS+15, SDM+19, SSF+17, SQC+14, SJK+14, SVY+14, SKJ13, TOK+16, TWNB+12, TCC10a, VFB+12, WMM+16]. **disease** [WNO+18, XKB12, ZYW+10, ZWG+17, ZDWH18]. **disease-causing** [DD18]. **diseased** [AI11, BAD+12, CMSHS16, CLZ+12, GCMG+11, KOS+10, LPVGL+10, OSC+14, PKPG15, PAZ18, RKK+19, SMV+14, SG12, WNCR12]. **Diseases** [LYD+15, Tre12, BMBS12, EEMCEGSP16, HAS+19, JBO+15, KKT+18a,

LTG+18, LTM+19, MKY+15, NFA15, OLVJ+13, Spe19b]. **disinfectant** [MoSMS18]. **disinfectants** [JST+19, SHS14]. **Disinfection** [ITKH18, BMK17, DD18, MUM+19, OBD10]. **disorders** [KOB+17]. **dispersal** [SCF+13, SDI+18]. **displaying** [WNAJ+16]. **displays** [BSB+18]. **disposal** [DAB+12]. **Disruption** [OWM+17, ZCQF15]. **Dissection** [LNC+17]. **Disseminated** [DSMC17, ŘKH17, SCZM19, DIVC16]. **dissolved** [MTLP+18b]. **distances** [SMR16]. **distinct** [EDN18, IBFL19, LLC+11]. **distinguishing** [FNISE12]. **Distribution** [AGFG19, LUP+18, MMMD16, AOAH13, CHWM+19, DPC+10, EKED+17, GFR+12, LBF+14, MRR+14, MJ17, NRF+18, NHM+10, PPE+18, SHO+17, SSV+17, TDJ+10, BMH+19]. **disturbances** [PHVM13]. **divergence** [FMA+19, MBS+17]. **divergent** [BVL+18]. **diverse** [HGX+19, LF18, ME12]. **Diversity** [CHV+12, ASB+12, BAD+12, BFC+15, DMP10, DLPR15, ISCF+19, MPBM+16, MWS17, PdLC19, PPSW19, TCM+19, WMD+18, WNMK+16]. **DlFBL** [PBC15]. **DNA** [ASHZ+12, CLGP15, CGR17, Dal18, DCMM13, EPCSBP18, GCCLRP+13, HLL+12, KKT+18b, KKT+18a, LLDL13, LFH+11, RSGB+14, TQW+14, WCL+19, YGL+18, YEK+17, ZWL+14]. **DNA-binding** [WCL+19]. **DnaK** [PHW+16, SNM+16]. **Do** [FBS13, NBJ10, PPF+12, FCJH19, RHB+15]. **docking** [SRD+16]. **docosahexaenoic** [BCBS+13]. **doctor** [VME+19]. **Does** [HBH+19, CRBLC+17, BPCS19]. **dollar** [ALG15]. **domain** [ZGY+18]. **dopamine** [DSSB19]. **dorsal** [KLW10]. **dosage** [dOAPLá+17]. **dose** [CLGP15, HH13b, NSC+18, PPI+13, Sam10, WWE+13]. **dosing** [RHTC19b]. **dot** [LCR+10]. **double** [MKI+15]. **double-virus-infected** [MKI+15]. **doubling** [MLWC11]. **Down** [RBM+16]. **Down-regulation** [RBM+16]. **Dr** [Rob11]. **Dr.** [Cip11, Rob14a]. **Drasche** [KOS+10, PZL+14]. **Dried** [ZTF+10]. **drivers** [JMD+18]. **drop** [GKCC+12, SDM+19, ZDWH18]. **drug** [dSCBdS+16, RKK+19]. **drugs** [PZL+14, ZN10]. **dry** [SG12]. **dry-stored** [SG12]. **dsRNA** [DPADO16, SSV+10, TMM+15]. **dual** [VLVS+16]. **dual-labelled** [VLVS+16]. **due** [ABM+15, JJB15, ŘKH17]. **Dujardin** [KWGS19, MKK+11]. **Dumbo** [DAO19]. **dumerili** [MKH+11, dSRSHGá+19]. **duplex** [FGR+12]. **duration** [HLHS11]. **during** [BMT+15, CHWM+19, CG11, DMB+19, DYML+18, EDN18, FvdMF+18, GTGCM19, HH13a, JKL+13, KHG+17, LGJ19, LXZ+19, OJRL10, PTM+19, RHS+12, RCGGM15, SMS+10, SMJ+12, SHKF16, VMBGE17, XJL+19]. **dusky** [PMP+18, RBS+16, RSF+17]. **dwarf** [RWTB17]. **dyed** [Góm12]. **Dynamics** [KBTMH+16, MSMM19, HHO14, HKG+15, JPG+19, SVY+14, SSL18, YLL+18]. **dysfunction** [LGJ19]. **dysgalactiae** [CLLF14, NLF11, NMIY14, TWYC15]. **dysregulation** [CCHL13].

E. [ZDWH18]. **Early** [WFH+18, WOD16, BPK+17, HGG+11, ICVV16, vGJHS+11, LF18, LSC+14, MNG+18, MTA+15, MTAB15, MPS+18, RRO+13, SMJ+12, SFU+13, YK13, dALF+17]. **Early-stage** [WOD16]. **East** [Dig13, Dig15, GMP+11, RBR19, CCW+15, LZGZ16, Pol15]. **eastern**

[CBM+17, CBM+18, PdSG+12, VPS+14, WMF14, LDA+19].
echinostomatid [MGM+16]. **Ecological** [PMP+18]. **economic** [KNN19].
ecosystem [JMD+18]. **ectoparasites** [STIG17]. **ectoparasitic**
[MUM+19, TGJCH15]. **Ectopic** [BKG+18]. **ectopically** [TPD+19]. **edema**
[ABVS18, MBS+17, MSB+19]. **edible**
[DdRTM13, KOS+10, PZL+14, SWH+14]. **Editorial**
[RW10, RW11, Rob13, Rob14b, Spe15, Woo12]. **edule** [RAVC18]. **edulis**
[BRL+13, BLSG+16]. **Edward** [MMMD16]. **Edwards**
[CG11, GMP+11, NRMS14, SQC+14, ZB12]. **Edwardsiella**
[ACAS14, ACLP+19, BAD+12, CDM+16, CGAS19, CTD+12, COB+16,
CTK+10, DMK+19, EAN+18, EA18, GRG+16, GPWF19, KTK17,
KMGK+18, KREM14, LKS+13, LML+13, PRWG17, PRSK10, PMK12,
QXW14, RSR+18, SMV+14, SRT+14, VST+19, WZA10, YK13, ZXW+12].
Edwardsiellosis [QXW14, LML+13]. **edwardsii** [ZJDL18]. **eel**
[ARFG13, BMD+14, BND+17, BCG+17, GFM+16, IGLG+17, KYK+12,
KPK+18, KLD+18, MBD16, MFES18, MWS17, MSS+12, NJK+17, OMO+15,
PWHW18b, PWW19, SWE+19, WCW+16b, WTM14]. **eelpout** [AHB+17].
eels [BSC+14, CSA+15, CHF+12, EMA17, EA18, FDST16, KAST17, LML12,
LFP+11a, LFP+11b, WCW+16b]. **Effect** [AMA11, CMEV17a, CAS+18,
DSSB18, DSSB19, GVB+17a, HKBD15a, JQK14, KSM+17, KBE+14, KCL14,
MMD+12, RRG+19, SSSP18, SK15, SDR+15, SCS+12, SW11, AHH16, AH16,
AMRHM18, ACA+16, AAV+16, BND+17, BLP10, CGR17, CMH+17,
DSA+12, ESA+10, FFP+14, GBV+16, GHB+11, HFKF17, IPW+13,
LAN+14, MTK+10, OLC11, PVIM18, SSC17, YSHG18, YFA+17, SOGR+19].
effective [ANB+19, CB13, SMFM12]. **effectively** [RPMRLJ+19].
effectiveness [GVB+17b, GVB+17a, NNC+18, TJR+18]. **Effects**
[BPCS19, JBGP11, JJV+15, KFK+16, LKS+13, LPC+18, PG16, PMPG+16,
TTL+16, TMC+12, VDO+18b, VMCM14, BSD+18d, BHA+17, EDP+17,
ELI+17, HBB14, JST+19, LLL+18a, MDF+17, MMMD16, NCNB18, PNBK13,
PMBM13, PPI+13, SHS14, UKS+18, VCLW16, VBL+15, WXWD15, XKB12].
Efficacy [BNS13, FHD13, HLL+12, HJN+19, MSCH14, RSH11, SSV+10,
SGB+16, SKGE13, WGL17, ZPM+18, BAH+16, CDW17, DD18, ESA+10,
HLHS11, HCL+14, KWGS19, LML12, LWJ+16, MWRSK17, MA16, NCNB18,
OMB+19, PZL+14, RNM+12, SMR10, SSSP18, TNK12, VDO+18a]. **efficient**
[EYF+19]. **efforts** [JR19]. **EGCG** [WCR+18]. **egg**
[AHH16, BAH+16, FHFF15, GM11, MGM+18]. **eggs**
[KBE+14, MWRSK17, OBD10, SWWN+16, SMFM12, TES11]. **Egusa**
[ZCC18]. **Egyptian** [NFF+17]. **EHP** [SSV+17]. **EHP-infected** [SSV+17].
Eigenmann [Lek12]. **eight** [JCN+13, JCN+14, KRFT14]. **EIIB** [XXL+19].
Eimeriidae [dSdAdS+19]. **ELASA** [YLX+19a, ZLN+17]. **Elasmobranchii**
[MdOO16]. **elasmobranchs** [KJB11]. **electric** [MSS+12]. **electricus**
[MSS+12]. **electrophoresis** [LLL+12, TAC15]. **Electrophorus** [MSS+12].
Eleginops [GOM+19]. **element** [CYS17]. **Elevation** [Bin14]. **ELISA**
[BWZ+17, LMG+19, ZWG+18]. **Ellidaár** [áKÁGA16]. **Ellis** [Rob11].

elongation [PLCC11]. **elongatoides** [FŠK+19]. **EM-90-like** [RSIP+17, RSPA+18, SHO+17]. **EM90** [MID+19b, MID+19a]. **EM90-like** [MID+19a, MID+19b]. **emaciation** [KOI+14]. **emamectin** [GSS+10, HLHS11, IPW+13, JHGR13, KWGS19, LML12, PPI+13, SMR10, SMM+13, Sam10, WWE+13]. **emarginatus** [VDO+18a]. **embedded** [FBL+14, FGR+12]. **emerald** [HAP+10, LRB+17, MGN+16]. **Emergence** [AHB+17, JHGR13]. **Emerging** [BK12, EKT+11, NSC+15, OLVJ+13, PRT+14, VJWC+18]. **emphasis** [VGI+16, WBD10a]. **employ** [SWWN+16]. **employing** [MFES18]. **empty** [CBM+18]. **EMS** [BPK+17, ITKH18]. **EMS/** [ITKH18]. **EMS/AHPND** [BPK+17]. **Encephalomyelitis** [MKH+11, YYF+10]. **encephalopathy** [DVC+17, GFB+13, NOST+16, VPP+12]. **encoded** [CCLL16, CGW+19, LCC+15]. **endangered** [VPP+12]. **endocarditis** [WEPB+18]. **endogenous** [BMBS12]. **Endolimax** [CPP14, CPdPP16]. **endoparasitic** [Buc12]. **endothelial** [OMO+15, WCW+16b]. **England** [TDJ+10, TWJP10]. **Enhanced** [MTHB13, NNC+18]. **Enhancement** [SRB12, LSC+14]. **enhances** [CR12, ZCJ+18]. **enhancing** [BRB+12]. **enolase** [BMT+15]. **enrichment** [YGL+18]. **enteric** [DPC+10, LXL+18, XLZ+17]. **entering** [CDM+13, VCR+11]. **enteritis** [MTLP+18b, WZQ+16]. **Enterobacter** [GCNB16]. **Enterobacteriaceae** [KMGK+18]. **enterobacterial** [TAC15]. **enterocytes** [RRO+13]. **Enterocytozoon** [KS19, SSV+17, TSK+19]. **enteromyxosis** [LBF+14]. **Enteromyxum** [ERÁpSB14, SSJ+19]. **Enterospora** [ACSB+19]. **enterotoxin** [MBB12]. **envelope** [LC17]. **environment** [JFWH19]. **environmental** [DIVC16, GFM+16, HSA17, KOB+17, SMR16]. **environments** [EMA17, MKKM15, PJL+12]. **enzyme** [BWZ+17, BA14, NMIY14, YLX+19a, ZLN+17]. **enzyme-linked** [BWZ+17, NMIY14, YLX+19a, ZLN+17]. **enzymes** [BSV+18, BSD+18a]. **epaulette** [JK12]. **EPC** [WBD+10b]. **Ephippidae** [DTM+10]. **epicarditis** [DKG+17]. **Epidemiological** [GJVT+11, SEK+16, DIVC16, GCW17, JHRW17, MSBB+16, MFS+17, SMS+10]. **epidemiology** [EEMCEGSP16, JJM+17, NBJ10]. **Epidermal** [CKJ+14, PJU+13]. **epidermoid** [SdMVS+16]. **Epinephalus** [OKS+13]. **Epinephelus** [BFFA+12, CBH+15, DDBC+15, FHZ+16, GHH+11, GHW+15, KCD+14, LXL+18, LSC+14, LSA+15, LMM+15, LMM+16, NNC+18, NDA+19, OTN+12, PMP+18, RBS+16, RSF+17, SSF+17, Wen16, WCL+12, XLZ+17, ZDWH18]. **epithelial** [AHPR+16, BCLM+19, BKG+18, GCM+18b, RBL+11, VBL+16]. **Epitheliocystis** [CMR+16, MSR+10, SN14, SPV+18, SVV+17]. **Epithelioma** [GSBEM15, WBD+10b]. **Epizootic** [CCM+11, BO15, CCT+11, CLW+13, CdAPdC+19, DWL+17, HHC+18, LFL19]. **Epizootics** [BDB+18, HGG+11]. **epizootiologic** [FLVA10]. **erectus** [BCW+15, QWTL17, SBHC18, WZQ+16]. **Ergens** [BGRB14]. **Eriocheir** [DML+16, DCZ+17, FGJ+10, HGW+19, SCS+12, ZB12, DCL+17].

eriocheiris [DXX+15, HGW+19, LXX+17]. **ERM** [WGL17]. **erosions** [ONA10]. **Erratum** [Ano10a, Ano10b, Ano11, Ano14, RMSH10, TCC10b]. **Erysipelothrix** [CSA+15, PRY+18]. **erythrocytes** [VSDS+19a]. **Erythromycin** [JML19, DdRCP13, DPCdR14, LLX+19]. **erythromycin-resistant** [LLX+19]. **erythropolis** [PBMB11]. **erythropterus** [CLWJ13, TIK+14b]. **escaped** [MKI+15]. **Escherichia** [SNM+16]. **Esox** [Ano12c, KF10b, MF12, Řeh13]. **Essential** [VGI+16, BSD+18c, OJRL10, VDO+18a, ZKL+19]. **establish** [OM10]. **established** [AZSSZZ13]. **Establishment** [BNC+11, CLL+10, GHH+11, GHW+15, IFF+15, KLW10, KAESEM13, LJC+19, WWS+11, WWZ+18, WZW+18, XWP+18, YNL11, dOAPLá+17]. **estimate** [KKKA17]. **estimates** [GBV+16, GVB+17a, MMG+11]. **Estimating** [HDWM15]. **estuary** [DCV+14]. **ethanolic** [BAH+16]. **Etroplus** [MRN+19]. **EU** [VCR+11]. **Euglena** [YSHG18]. **Eurasian** [BGRB14]. **europaeus** [DABO+17]. **Europe** [BLL+17, BMMP+14, COB+16, DKBS17, SBD11, SMJ+14, VCS+19]. **European** [ARFG13, BMD+14, BND+17, BLSG+16, CGP+19, CKTT10, EA18, FCM+19, FPK+17, FDST16, GFM+16, KAST17, LMC+16, MBD16, MFES18, MAOS+18, MNM+18, NJK+17, PBM+15, PST+16, RRC+17, RPM+19, SWE+19, TMC+12, TNK12, Tre12, VTM+14, VC17]. **eutropha** [HBH+19]. **eutrophic** [HWO+17]. **evaluate** [LTG+18, RSF+17]. **evaluated** [MSC+17]. **Evaluating** [GVB+17b, HCL+14]. **Evaluation** [ATM+10, CBLN13, HKBD15b, RAM+19, ASS19, DSSB18, DSSB19, EAN+18, FDST16, HLHS11, KWGS19, LTC+14, LFP+11a, LFP+11b, LWJ+16, LLWL15, MID+19b, MNG+18, PVIM18, PPK+13, YDO+16, ZCCN13]. **event** [BGC+17, BVT+18, BVL+18, DABO+17, FSC+16, KHLL16, LEM+19, MMW+15]. **events** [CdAPdC+19, GVB+17a, PTM+19]. **Evidence** [AHAMR+19, CZB+11, RDN+12, RGD+13, VME+19, YTKS19, ZN10, APP+17, CSS+16, CRO+18, COB+16, DJQ+12, DCMM13, GB18, GFW+10, HSC+16, IAR+10, vGJHS+11, KYK+12, KSA+10, MBS+17, MDC+18, MUM+19, ISCF+19]. **evolution** [SJ11, YGL+18]. **Examination** [MTA+15, HKF+16, JMHK18, MMMD16, MFES18]. **examining** [JSJR+19]. **excised** [GGW+11]. **Exclusion** [AJLC+16]. **exercise** [GMC+16b]. **exerts** [BSD+18d]. **exhibit** [JGI+10]. **exilis** [RKPG16]. **exitiosa** [BLSG+16]. **exogenous** [Góm12]. **Exophiala** [CBH+15, ŘKH17, ŘKH18, SBP+19]. **Exophthalmia** [HFKF17]. **exopolysaccharides** [RBH+17]. **exotoxin** [RGD+13]. **expansion** [TALA11]. **experiencing** [GJM+15, NFF+17, RHZA+16]. **Experimental** [ABT+14, CAJD+18, CTK+10, DCMM13, FSV+18, ICVV16, vGJHS+11, KS19, KF10a, LSA+15, MUM+19, SON+18, WKW+11, ZCP12, AHHR+10, BSW17, Buc12, CJB+15, EDP+17, GFM+11, GBSF12, GRF14, GRP+15, JAR+11, KSA+10, LPA+10, LTG+18, MGM+18, MMMD16, MID+19b, PBM+15, PNBK13, ŘKH18, RHB+15, SGB+16, TDS+19, WIC+19, YDO+16]. **experimentally** [ACN12, Ano12c, BSV+18, BSSB18, BSD+18b, BSD+18c,

BSB+18, FCM+19, HGB+11, JML19, KSM+17, LF16, MF12, MTA+15, MTAB15, RSIP+17, SSV+17, SFL+16, TJB+15, TSS18, VTM+14]. **experiments** [FBAS16, KAESEM13]. **exploited** [LXX+17]. **exponential** [YGL+18]. **exposed** [Ano12c, CTK+10, FBK+16, FSO+10, HSGD11, KSA+10, KPM+11, MF12, SCR+15]. **exposure** [BSW17, CAS+18, DDBC+15, GFM+16, GGW+11, HCCM12, HKBD15b, HGG+11, IPW+13, MMMD16, PÅD18, TMC+12, VCN+10, VMCM14]. **exposures** [WNO+18]. **expressed** [JKC+11, LSA+15, OJRL10, SSV+10, TMM+15]. **expresses** [CGW+19]. **expressing** [EBM+18, ZXW+12]. **Expression** [ACYC10, PRSK10, PMK12, ZWY+11, AMA11, BPK+17, CLWJ13, CKJ+14, CG11, CDG+14, DMD+17, EDN18, FBVC16, IPW+13, JKH+17, JJS+12, LCV+17, NSE+17, NMIY14, NYRS12, RBM+16, RHVG+19b, RSPA+18, SHKF16, SCK13, SWD+14, SJSA+14, TvWO+16, UKS+18, WCL+12, YK12, YYW+14]. **extant** [GRP+15]. **external** [AJLK+18, DPD+18, HCEH16, JMHK18, PDLW17]. **extra** [WCW16a]. **extracellular** [BGG11]. **extract** [BAH+16, HDC18, MSCH14]. **Extraction** [LRD+19]. **extracts** [YLX+19b]. **Extreme** [CBM+17, NNCLGC+11]. **extremely** [SVL+17]. **Exuberant** [HSHC+16]. **eye** [PAM+19, SM14].

F [BWM+13, PBC15]. **F-fluorodeoxyglucose** [BWM+13]. **F-type** [PBC15]. **F.** [GDW+15]. **Fabaceae** [VDO+18a]. **Fabricius** [DCMM13, DBM+14, FSO+10, JJS+12, RDN+12, STS+15]. **facilities** [VPP+12]. **facing** [GAVC16]. **factor** [BRB+12, KREM14, LSC+14, PLCC11, SSJ+19, YAHWU11, ZKL+19]. **factor-Tu** [PLCC11]. **Factors** [CHAB10, HGG+11, TES16, BHF13, DSSB18, DSSB19, DIVC16, FMB+11, JSJR+19, KAS+18, MMMD16, RMS+13, ZZC+17, ZJDL18]. **facultative** [AHAMR+19]. **faeces** [GCNB18, GBSF12]. **fairy** [SHW+11, SHS14]. **fallowing** [OM10]. **families** [JAR+11]. **family** [CSS+16, MNG+18, UN10]. **fan** [ZJDL18]. **fantail** [CDM+16]. **fario** [BSPS+18]. **farm** [AZSSZZ13, AdOG+17, BPK+17, BVG+10, EWRH13, KTP+15, KDA+18, LLH+14b, RRC+17, SMM+13]. **farm-raised** [AdOG+17, KTP+15]. **farmed** [ATP+16, AGR+16, AGFG19, ATP+17, AHTCA+17, BVK+16, BHO+19, BO15, BMH+19, BGCKF12, CGP+19, CRAG+12, DTM+10, DWP+19, DPD+18, FKB+14, FMH+15, FSB+18c, FCS+18, GRB+17, GBO+18, GGH+10, GFR+12, GCGR13, HKK+11b, HKD+10, HPY+13, IAR+10, JCS11, JHRW17, JHGR13, KAS+18, KOB+17, KYK+12, KAST17, MKI+15, MSMM19, MLMR16, MLER+18, MMB+15, MCSM17, MRSC13, MSR+10, MHNY18, MKH+11, MGH+14, MCW+18, MNM+18, MNM+19, NOV+11, NMM+18, OGI+18, PdLC19, PRT+14, PGF+19, QXW14, QPB+16, ŘKH16, RFA+14, RMSH09, SMR10, SCD19, SDWA18, SDM+19, SPS+17, SKJ13, SSA13, SNK+19, Tre12, VDMJ+13, WMM+16, WNAJ+16, YLL+18, YAHWU11, YP17, ZCCN13, ZNHC11a, ZNHC11b, ZZA+14, ZSZF16].

farming [BNS13, HSA17, JJB15, JR19, TAQ+10]. **farms** [BPK+17, BAH+18, CLS+15, CdAPdC+19, EWRH13, FLC+17, Gis18, GFW+10, ISCF+19, MSBB+16, MSK+12, MCO11, NB11, NRF+18, NFF+17, OM10, SVM+18, SJK+14, SVY+14, WDM+15]. **Faroe** [Gis18]. **fasciatus** [JJV+15, OKS+13]. **fast** [MLWC11, Sla14]. **fat** [RRG+19, SHV+16]. **fatal** [FSM+16]. **fate** [BSWS11]. **fathead** [AHHR+10, CXW+19, JBGP11, MGN+16, PPF+12, WBD+10b]. **fatty** [DTF+16, MLF+10]. **fauna** [HSA17]. **favoured** [EMA17]. **Fe** [PLCC11]. **Fe-S** [PLCC11]. **features** [BOH+12, DMD+17, FFLC17, RAM+17, VFB+12]. **fecundity** [USM17]. **fed** [BSD+18d, TMC+12]. **feed** [AA10, ESA+10, JKL+13, KSM+17, NFA15, PPI+13, PFC+13, RHB+15, XKB12, dOAPLá+17]. **feeding** [JSAH+18, SJSA+14]. **feeds** [CBW19, NPGA+19, PNBK13]. **female** [DBS12, RAM+17, ZDWH18]. **fenbendazole** [FHD13]. **Fenneropenaeus** [NRMS14, WLX+10]. **fennicus** [VDH19]. **feral** [AAUHW15]. **fermented** [LKS+13]. **Ferreira** [HSGD11]. **ferritin** [NRMS14]. **fibroblast** [KLW10, SSG+19, VBL+16]. **fibroblastoid** [VKK+19]. **fibroblasts** [DJQ+12]. **fibromas** [BCW+15]. **fibrosarcoma** [DD15]. **Field** [MMD16, OTN+12, BSBH10, BWP+19b, FSG+12, HH13b, HBB+15, HKB+16, JMS13, LTG+18, MRR+14, RNM+12, TAC15, WWE+13]. **field-collected** [WWE+13]. **fighting** [RhAS+15]. **filaments** [MGM+16]. **Filifolinone** [PVIM18]. **fillets** [TWNB+12, TRS19]. **Filtration** [BRL+13]. **fin** [ASSP+15, BNC+11, CLL+10, FPK+17, GGW+11, KLW10, LJC+19, MSC+17, PWHW18b, SSG+19, VBL+16, YNL11]. **fin-derived** [SSG+19]. **findings** [STS+15]. **fine** [DPC+10]. **finfish** [WBD10a]. **fingerlings** [PYSS19, SSSP18]. **fingerprinting** [CYS17]. **Finland** [IAR+10]. **Finstad** [JCN+14]. **First** [ARR+18, BLdA+18, BRMG13, BQP12, BBL+16, BMMP+14, BMA13, BVT+18, CTD+12, CWW+18, CSA+15, DML+16, EPA+10, GRB+17, GGH+10, HSC+16, HHC+18, HKF+16, IGLG+17, KMGK+18, KPK+18, KDP+17, LFSZ18, LYL+18, LL12, LPVGL+10, MdOO16, MFES18, MVWS13, MDC+18, MHNY18, MCCN14, MNM+19, OGI+18, OCLI+19, PSVK+18, RHZA+16, RBF14, RPJ+18, SPP+18, SFBW+17, SPS+17, SMV+14, SdMVS+16, SWE+19, VDD+18, WBE+17, ZxYJ+19, ZCC18, dSRSHGá+19, APP+17, GL18, GKCC+12, HST+13, JDRM17, LUP+18, TIK+14a]. **Fish** [Buc12, DPADO16, KPSP+19, Loh13, ADMF15, ACAS14, AJLK+18, AAUHW15, AFTEML19, AHITC18, AHAMR+19, BSD+18c, BSB+18, BKS+17, BHF13, BPMI+16, Bin14, BFJ11, BCL+19, BMBS12, BGC+17, BWNS+11, BW18, BMMP+14, BGD+17, BFFA+12, BNS13, BWM+13, BMA13, CDM+13, CHH+14, CDF+18, CMSHS16, CD17, ÇOÇ+16, CGCAH12, dSCBdS+16, Dal18, DTM+10, DBV+13, DZC+16, DMD+17, DLCF13, DSA+12, DAB+12, DMK+19, DSJA18, EKT+11, EBM+18, ERÁpSB14, EPCSBP18, FBS13, FBAS16, FBK+16, FLVA10, FMA+19, FMB+11, FCS+18, GCNB18, GFB+13, GJK+11, GJMH17, GOM+19, GM10,

GMN12, GWM12, GCGR13, GDN+16, HCCM12, HSA17, HGG+11, HY16, HGB+11, HAS+19, HWO+17, ISCF+19, JDRM17, JSJR+19, KHC+18, KOI+14, KFK+16, KZJ+17, LFSZ18, LITCAH19b, LFH+11, LL12, LLH+14b, LHW+15a, LDEH17, LRMN17, MYWC18, MGM+18, MFHHG18, ME12, MKK+11, MLWC11]. **fish**
[MR11, MJ17, MTHB13, MoSMS18, MSK+12, MMNL14, NN11, NFA15, NFF+17, NMIY14, NSC+15, NHM+10, OT12, OJRL10, PPSW19, PKPG15, PKLH19, PSCFB+18, PNBK13, PRY+18, PBW+18, RHS+12, RHST+16, RhMM+15, RhAS+15, RhMV+15, RAM+19, RRC+17, RRO+13, RAS+10, RCD+17, RHBMM13, RE14, SJDC+13, SMF+10, SSHEM11, SZM+15, SCK13, SWD+14, SMJ+14, Spe19b, SMS+18, SKB10, SKJ13, SN14, SSO+14, TIK+14a, TSS18, TWJP10, TAQ+10, TQW+14, TMWV14, VMCM14, VCR+11, VC17, VME+19, WDM+15, WMM17, WMD+18, WYZ+19, WKW13, WNCR12, ZZC+17, ZHFC11, ZGY+18, ZXW+12, Spe19a]. **fish-farming** [BNS13, TAQ+10]. **fish-myxozoan** [EPCSBP18]. **fish-pathogenic** [CHH+14, FLVA10]. **fish-to-fish** [HGG+11]. **fishable** [MMG+11]. **fishery** [MMG+11, TJR+18]. **fishes**
[ARL+17, AAZS+15, FDL+17, KPT+11, MA16, PAZ18, RWTB17, RBR19]. **fishpathogens.eu** [MPJ+15]. **fishpathogens.eu/noda** [MPJ+15]. **five** [BOH+12, BBP18, THW+12]. **fixation** [CBLN13, CMS+17]. **fixed** [FGR+12, WWE+13]. **fixed-dose** [WWE+13]. **fjord** [KAST17, SVY+14]. **flagellar** [YK12]. **flat** [BLSG+16]. **flavescens**
[KHLL16, OEG+13, PHvdH12, SGQ+15]. **Flavobacteria** [ATJS+18, LF18]. **Flavobacterium** [BBF+15, BLF+16, BMA13, BLFC12, CHV+12, CAJD+18, DBS12, DBV+13, DMP10, DJR+19, DLPR15, DSLR16, FDL+17, FNISE12, GLW+18, GCW17, GPL+12, GDW+15, HKBD15a, HKBD15b, HJN+19, HRNW15, JDH+18, JML19, KSS+15, LLC+11, LWWS14, LGD+17, LGS19, LFD+17, LZZN10, LLL+12, LF16, LPCC12, MBS+19a, MBOC19, NN11, NSB+18, NOV+11, OFA11, OBD+11, PDLW17, PLCC11, PFJ+10, RHB+15, SDWA18, dASLS+19, SL15, SLPB18, SEK+16, SWE+19, SBW11, SW11, TQW+14, WSA+18]. **FLIV** [JLJ16]. **Florfenicol** [DdRTM13, FHZ+16, JML19, RHTC19b, RSH11, SKGE13, YVM+14, dOAPLá+17]. **Florida** [BA13]. **flounder** [DBHC17, HKK+11b, JKC+11, JLJ16, KKK+18, LKS+13, LPC+18, SSJ+19, TOK+16, WWS+11]. **flow**
[BRL+13, CHB+17, PSK+13, WSX+18]. **flow-through** [PSK+13]. **flower** [RHST+16, RhMM+15, RhMV+15]. **fluorescence**
[AS17, DXX+15, KTK17, LGC+19]. **fluorescence-based** [AS17]. **fluorescens** [GPFGAG19]. **fluoro** [SRD+16]. **fluorodeoxyglucose** [BWM+13]. **fluviatilis**
[BGRB14, BGCKF12, CGP+19, PBM+15, RPM+19, SKPS16, VPP+12]. **focal** [BHO+19]. **folifer** [BCJ13]. **follicles** [CZB+11]. **follow** [BMGS17, PPI+13]. **follow-up** [BMGS17, PPI+13]. **following**
[ASSP+15, BSW17, CRS+13, ECP+10, FGJ+10, GVB+17a, GMC+16b, GBSF12, HCCM12, IPW+13, JAJC+18, LWJ+16, MBS+19a, MMG+11,

PSK+12, PFC+13, TWNB+12]. **follows** [KDA+18]. **fomites** [PJL+12]. **fontinalis** [DGS+14]. **Food** [LDÁM14, SNM+16]. **foodborne** [TOK+16]. **foraging** [BND+17]. **foreign** [LL11]. **fork** [DD15]. **fork-tailed** [DD15]. **formalin** [FGR+12]. **formalin-fixed** [FGR+12]. **formation** [DSSB18, DSSB19, LFD+17, LITCAH19b, LTC17, SFR+17, SW11]. **formerly** [MJ17]. **forming** [CD17]. **formosus** [KVC+16]. **forms** [SQC+14]. **Forsskål** [DTM+10, LQY11, LSC+14, LSA+15, LMM+15, LMM+16, SGR+18, Wen16]. **Forster** [ABC+10, CB13]. **fortis** [WZQ+16]. **fortuitum** [PBW+18]. **fosteri** [SFF+17]. **found** [AHTCA+17]. **Fouquet** [vGJHS+11]. **four** [KKT+18a, NWMK16, XKB12]. **Fourier** [WNCR12]. **fractions** [LLC+11]. **fracture** [FvdMF+18]. **France** [BVL+18, BBL+16]. **franciscana** [TNK12, WBF+10]. **Francisella** [ATP+17, BFJ11, CDM+13, GIW+11, KBTMH+16, PLC+19b, SPKS17, SKGE13]. **francisellosis** [AdOG+17, KBTMH+16, RPMRLJ+19, RBWR+15]. **Frank** [Cip11]. **Fraser** [BLP10]. **Fredericella** [KAESEM13]. **free** [HKF+16, MB17, MPJ+15, YSV+13]. **free-swimming** [HKF+16]. **freedom** [JKS+13]. **Freeman** [MRSC13]. **French** [DTM+10]. **frequency** [LRS+17]. **fresh** [JZK+14, MSR+10, NOV+11, WNGS+17]. **freshwater** [ADMF15, ACA+16, AAV+16, Ano10c, ACM+14, BAD+12, BMMP+14, CJB+15, DXX+15, FMT+14, GB18, GTT+17, GGH+10, GJMH17, JTW+10, LFSZ18, LL12, LYKN18, MRR+14, MdOO16, MSK+12, NHM+10, PPSW19, PKPG15, RNM+12, RWTB17, VPP+12, WMM+16, WOD16, WNO+18]. **freshwater-** [GTT+17]. **freshwaters** [SMJ+14]. **FRET** [SMF+10]. **frog** [DPADO16]. **Front** [MBS+19b, RHVG+19a]. **frozen** [TRS19]. **fry** [CJB+15, DSLR16, GCM+18b, HKBD15b, KEY+15, PDLW17, SCR+15, WKK12]. **FTA** [PSK+13]. **Full** [NRMS14, NDA+19]. **Full-length** [NRMS14]. **function** [BMD+14, JBGP11]. **functional** [WCL+19, ZZQ+19]. **Fundy** [NRF+18]. **funebris** [BCG+17, CHF+12]. **fungal** [ŘKH16]. **fungicide** [MMMD16]. **fungus** [SMFM12]. **furcatus** [LTC+14, XKBC12]. **furnieri** [MPM16]. **Further** [KWGS19]. **furunculosis** [GGH+10]. **Fusarium** [KDP+17]. **fuscoguttatus** [SSF+17, LSC+14, LSA+15, LMM+15, LMM+16, NDA+19, Wen16, ZDWH18]. **fusions** [DWP+19]. **future** [ZGY+18].

g [LSC+14, CGW+19, LZZN10]. **Gadus** [BSWS11, BMGS17, BK12, FvdMF+18, GIW+11, GGGM14, HLHS11, HKD+10, HFKF17, MVM+18, MBB12, OBD10, PG16, RBWR+15, Sam10, ZCP12]. **Gaimard** [CCMA+17, PC17, WCW+16b]. **Galicia** [DIVC16, RAVC18]. **gamete** [LST+12]. **gametes** [KSA+10]. **GAPDH** [ZXW+12]. **gariepinus** [DAO19, HGPD11, HOHG13, LvD18, OOO+11, OAO+12, SRT+14, TMWV14]. **garlic** [MSCH14, NDA10]. **Garman** [AFA+12]. **Garra** [VME+19]. **garvieae** [ABT+14, CLT+14, DPMK12, FLC+17, HY16, PSBG+11, TAC15]. **Gas** [SBHC18, RPJ+18]. **Gasterosteus** [ASW16, PJZB19, WFH+18]. **Gastric**

[LWMT10, dSdAdS+19, BB11, LL11]. **gastroenteritis** [DPTFC10, DPTCF10, RBL+11]. **gastrointestinal** [ABF15, BLFC12]. **GBS** [BFFA+12]. **GC** [ZCJ+18]. **GC-MS-based** [ZCJ+18]. **GCRV** [ZWG+18]. **gel** [TAC15]. **Gene** [RHVG+19b, AMA11, CLWJ13, CCLL16, CGW+19, CGG+10, CKJ+14, CKTT10, dJDAVRGM+18, EDN18, FMA+19, JJS+12, LCV+17, LCC+15, LXZ+19, MPBM+16, MNG+18, NSE+17, OBR+14, QZZ+18b, RB15, RSPA+18, SWD+14, TMM+15, UKS+18, YYW+14, ZWY+11, ZZQ+19]. **gene-encoded** [CGW+19]. **generated** [SK15, SEK+16]. **Generation** [CHB+17, DWL+17, LMM+16]. **genes** [BCLM+19, BGC+17, CIL+17, COB+16, CDG+14, FVAVMGE18, FCL+19, JKH+17, LWWS14, LZZN10, LMM+15, LMM+16, NRMS14, OJRL10, SSV+10, SJSA+14, TvWO+16, YK12]. **Genetic** [DMP10, HJT+16, KTP+15, MPBM+16, SDZN19, TOK+16, TCM+19, TWYC15, WM19, WNAF+13, WSA+18, ASB+12, BFC+15, COB+16, DZV10, DLPR15, ISCF+19, KNN19, LDEH17, NWMK16, RGMGG+18, SDWA18, SMC+11, VCS+19, VST+19, ZFZ+11]. **genetically** [JAR+11]. **genogroup** [ISCF+19]. **genogroups** [ABVS18, KWD+16]. **genome** [BFC+15, IBFL19, KKM+19, RKK+19, ZxYJ+19]. **genomes** [BHF13, YEK+17]. **Genomic** [DZC+16, RVC18, GBO+18, JGI+10, LCV+17, LLLG18, TCS19, YMH+11]. **genomovar** [BMA13, GLW+18, LWWS14, LGD+17, SL15]. **genotoxicity** [BA14]. **genotype** [Ano12c, CVLJ+10, CCW+15, CWW+18, GJVT+11, GVC+19, KF10a, KKK+18, LRD+19, MF12, VCS+19, VBL+16, WKW+11, ZWG+18]. **genotypes** [HB12, MMWK19, RPGCIG17, TDS+19, VLVS+16, VDHV+16]. **Genotypic** [DMK+19, PPSW19, WMD+18]. **genotypical** [PKPG15]. **Genotyping** [CLLF14, FSB+18c, BBC+10, FNISE12, LGS19]. **genus** [NSC+15]. **Genypterus** [IGLG+17]. **geographic** [AGFG19, GRG+16, SHO+17]. **Geographical** [GFR+12, CRS+13, DMK+19]. **geranyl** [PVIM18]. **Germany** [AHJS+18, BGRB14, KAST17]. **GFP** [RGD+12]. **GFP-labelled** [RGD+12]. **Ghanaian** [VJWC+18]. **Ghar** [YMBE13]. **giant** [BFFA+12, DCMM13, DBM+14, FMT+14, GHW+15, LYKN18]. **gibbosus** [LDEH17]. **gibel** [LJHG14, YLW+14, ZWLG10, ZYW+10]. **gibelio** [KJW+17, LJHG14, LLL+13, WXL16, YLW+14, ZWLG10]. **GICA** [LXX+17]. **gigas** [GVLE16, GCCLRP+13, HPY+13]. **Gilbert** [DBHC17, WWS+11]. **Gill** [BGRB14, MRSC13, MCO11, VCLW16, WNGS+17, ACN12, AHPR+16, ABC+10, BCLM+19, BPCS19, BLP10, CONN10, DYML+18, DT16, FGR+12, GGMG18b, GTT+17, GCM+18b, GDW+15, GFS+14, LDA+19, MLER+18, MR11, MGM+16, MCCN14, NBJ10, OSAA18, PGF+19, QPB+16, TCC10a, WNO+18]. **Gill-associated** [MCO11]. **gills** [CBLN13, FMM+19, HKBD15a, vGJHS+11, KSM+17, KVC+16, MAOS+18, WNMK+16]. **gilthead** [ACSB+19, BC11, CVLJ+10,

CVGR+13, CCME16, DPCdR14, RHVG+19b, TPD+19, LGS+14]. **ginbuna** [NSS+17]. **Ginsburg** [DSMC17, LKT+13]. **Girard** [DXX+15, PSK+12]. **GIS** [AGFG19]. **GIT** [ABF15]. **GIV** [LCC+15]. **GIV-2L** [LCC+15]. **gives** [SWS+16]. **gland** [SBHC18]. **glanis** [MAOS+18]. **glassfish** [Góm12]. **gleaned** [MJ17]. **Global** [SJ11]. **globalis** [SAS+19]. **glomerular** [DBHC17]. **glomerulonephritis** [LWMT10]. **glucan** [JSAH+18, SJSA+14, UKS+18, YSHG18]. **glucans** [KBE+14]. **glucidic** [LDÁM14]. **Glugea** [ZCC18]. **glutaraldehyde** [MoSMS18]. **glycogenation** [TIK+14b]. **Glycolic** [ASHZ+12]. **Glycophorin** [AI11]. **glycoprotein** [ÇOÇ+16, EBM+18, HLL+12, IPW+13, MPBM+16]. **glycoprotein-based** [ÇOÇ+16]. **glycosylation** [FE11]. **Gnathia** [HSGD11]. **gnotobiotic** [RGD+12]. **gnotobiotically** [WBF+10]. **goby** [GFB+19, WZL+11]. **goes** [BSW17]. **gold** [KVC+16, LXX+17, SSHEM11]. **golden** [AZSI+12, CWL+17, HBB14, KHC+18, LYL+18, SM14, SWD+14]. **goldfish** [AHJS+18, BSK+10, BBL+16, GAEK+14, LCR+10, RMAM12, WIC+19, YNL11]. **goldlined** [SGR+18]. **goldring** [WA14]. **goldsinny** [BT14]. **goldsmidi** [ABC+10]. **gonads** [VMCM14]. **gondii** [SZM+15]. **Goode** [CHF+12]. **Gorbunova** [ME12]. **gorbuscha** [BPPKJ10, SMJ+12]. **gourami** [RWTB17]. **Goussia** [dSdAdS+19]. **governs** [FE11]. **gracilis** [YSHG18]. **grade** [VPCM19]. **gradient** [DLCC+13]. **Gram** [BHA+11, THW+12]. **Gram-negative** [THW+12]. **Gram-positive** [BHA+11]. **granular** [RVC18]. **granulation** [HSHC+16]. **granulomas** [AJLC+16, JK12, ZZA+14, ZWG+17]. **Granulomatous** [MTLP+18b, VPS+14, CPP14, NHM+10, dSRSHGá+19]. **grass** [GCWB11, LLL+12, LXHL11, WCR+18, YYW+14, ZWG+18]. **Great** [FDL+17, KF10b, GMP+11, RBF14, EKED+17, KF10a, OEG+13, WKW+11]. **greater** [MKH+11, dSRSHGá+19]. **Greek** [BCL+19]. **Green** [TCFáS19, BCG+17, KTK17]. **Grenada** [HHM+14]. **grey** [BK12, PMBM13]. **GroEL** [KREM14]. **gross** [DPTCF10, LFP+11a, LFP+11b]. **grounds** [BK12]. **group** [BVL+18, CDD+18, EMA17, GAC10, VBL+15]. **grouper** [BFFA+12, CBH+15, CCLL16, CGG+10, DDBC+15, FHZ+16, GHH+11, GHW+15, HLC+15, HHX+15, KKK+18, LCC+15, LSC+14, LSA+15, MRN+19, MSI+15, NNC+18, NDA+19, OTN+12, OKS+13, PMP+18, RBS+16, RSF+17, Wen16, WCL+12, XJL+19, YLX+19b, ZLN+17, ZDWH18]. **groupers** [KCD+14, LXL+18, SSF+17, XLZ+17]. **groups** [RB15]. **grow** [KDA+18]. **grow-out** [KDA+18]. **grown** [WBF+10]. **Growth** [MB17, NN11, ACA+16, CAS+18, CDG+14, DSSB18, DSSB19, GBO+18, HMP+12, LKS+13, LWZ+18, MLWC11, MPS+18, OLT+10, PMW+10, PMH+11, RHB+15, STF+15, SLPB18, SFU+13, VDHV+16, WKW13]. **grunter** [KRD+17, LLH+14b]. **guamaensis** [dSdAdS+19]. **Guangxi** [LYL+18]. **Gubanov** [CIA+18]. **gudgeon** [MKK+11]. **gueldenstaedtii** [RFA+14]. **Guichenot** [IGLG+17]. **guidelines** [HHO14, LTM+19]. **Guilford** [SGQ+15]. **guitarfish** [AFA+12]. **Guitart** [ABM+15]. **Gulf** [BB11, DBHC17, GCCLRP+13, PJZB19]. **Günther**

[Dig13, Dig15, IOO15, Pol15, RBF14, SRT+14, XJL+15, YCNW18, ZQB+11]. **guppies** [BCM+17, LCOZ10]. **guppy** [SPLV+15]. **Gut** [JKL+13, DCZ+17, RBL+11]. **guttulatus** [BQP12]. **Gymnocephalus** [MGM+16]. **Gymnocorymbus** [SHAM14]. **Gymnothorax** [BCG+17, CHF+12]. **Gymnotus** [DMD+17, VMCM14]. **Gymnura** [BCJ13]. **gyrA** [HBB+15]. **gyrodactylid** [YEK+17]. **Gyrodactylus** [GAC10, HHO14, HKG+15, KHG+17, LP17, PHVM13, PB18, WKK12, YEK+17].

H [ZB12, NRMS14]. **H6** [AJLK+18]. **Haan** [ZSZF16]. **habitats** [OMO+15, YkSKY13, ZYW+10]. **haddock** [JHM+18]. **haem** [OJRL10]. **haemal** [FvdMF+18]. **haemangioma** [SMD+12]. **Haematological** [KPM+11]. **Haematopoietic** [LLL+13, ASHZ+12, EBM+18, JSK+10, MNM+19, PMW+10, PMH+11, PBM+15, SJDC+13, YHY+16]. **haemic** [MMMD16, MMD16]. **haemocyte** [TDLT+16, TDT+16]. **haemocytes** [FBVC16]. **haemoglobin** [UN10]. **Haemogregarinidae** [MdOO16]. **haemolysin** [DJQ+12]. **haemolytic** [MFS+17, OAO+12]. **haemorrhage** [PWW19]. **haemorrhagic** [AHHR+10, AHPR+16, Ano12c, DPADO16, EKED+17, GJVT+11, GFB+19, GGW+11, GVC+19, HLL+12, HGG+11, HPAL10, JKS+13, KKK15, KF10a, KF10b, LVADB17, MMBS10, MF12, MMW+15, OEG+13, PBM+15, PJL+12, RMS+13, SHJ+12, SJ11, VLVS+16, VBL+15, VBL+16, WDM+15, WKW+11, ZLX+19]. **Hafnia** [OSC+14]. **half** [XJL+15]. **half-smooth** [XJL+15]. **halibut** [BBP18, ONA10, RSH11]. **Halieutaea** [LZGZ16]. **Halocynthia** [KOS+10, PZL+14]. **Hamilton** [Bin14, CXK16, Góm12, KWGS19, KREM14, LHW+12, LHW+15b, MLR+12, SMD+12, SM14, WCL+12]. **Hamilton-Buchanan** [Bin14, CXK16]. **hand** [SWS+16]. **handling** [GAVC16, KZJ+17]. **handy** [MPJ+15]. **haptor** [TGJCH15]. **harengus** [GJVT+11, MMBS10]. **Harry** [LFSZ18]. **harveyi** [DJQ+12, HBVB16, MKMY10, NNC+18, QWTL17, SSF+17, SNM+16, ZWY+11, ZDWH18]. **hatch** [DPD+18]. **hatched** [SBM+11]. **hatcheries** [TES16]. **hatchery** [AZSSZZ13, BRMG13, CONN10, DABO+17, FBS13, KDA+18, LF18, PDdC+14, SBP+19, WBE+17, XLZ+17]. **hatchery-bred** [XLZ+17]. **hatchery-incubated** [LF18]. **hatchery-reared** [BRMG13, CONN10, SBP+19, WBE+17]. **hatching** [VCLW16]. **Hawaiian** [WA14]. **Haworth** [BAH+16]. **Hb** [UN10]. **head** [AFTEML19, CWW+18, CHAB10, CSCCA14, Lek12, LRD+19, NNCLGC+11, STG+10]. **head-kidney** [CSCCA14]. **healing** [SSG+19]. **health** [BMGS17, HBB14, OT12, RAS+10, TMWV14]. **healthy** [AI11, DPTFC10, GCCLRP+13, HOHG13, KSM+17, OSC+14, TWNB+12]. **heart** [FMH+15, GRT12, GHW+15, WHR+18]. **hearti** [YLW+14]. **hearts** [BOH+12]. **Heat** [LRC+18, RAS+10, DJQ+12, MWRSK17, SNM+16, WBF+10, ZWY+11]. **Heat-inactivated** [LRC+18]. **heat-shock** [SNM+16, ZWY+11]. **heavily** [JMHK18]. **heavy** [QWTL17, QZZ+18b]. **Heckel** [AFTEML19, VME+19]. **held** [KJB11, Sam10, WNGS+17]. **helminth** [BGD+17, ZPM+18].

helminth-infected [ZPM+18]. **helminths** [DPC+10, DCG18]. **hematopoietic** [CGW+19, HSC+16, KWD+16, LGJ19, MBOC19]. **Hemiarius** [DD15]. **Hemigrammus** [ŘKH18]. **Hemigymnus** [HSGD11]. **Hemilepidotus** [GM11]. **Hemiscyllium** [JK12]. **hemocytes** [HGW+19]. **Henle** [CDM+16]. **Henneguya** [RKPG16]. **henneguyosis** [RKPG16]. **hepatic** [BSV+18, LvD18, SMJ+12]. **hepatitis** [FKB+14, KAS+18]. **hepatoblastoma** [SCZM19]. **hepatocellular** [TIK+14b]. **hepatocytes** [TIK+14b]. **hepatopancreas** [CMEV17a, CMS+17, CMEV17b]. **hepatopancreatic** [BPK+17, CCLGRM+17, DD18, DML+16, KTN+16, KYB+15, MRR+14, NPGA+19, YTL10]. **hepatopenaei** [KS19, SSV+17, TSK+19]. **Hepatospora** [DCL+17]. **herbarum** [dSRSHGá+19]. **Herbst** [MRR+14, RNM+12]. **heritage** [GVLE16]. **herpes** [SGB+16, SEM18]. **herpesviral** [LGK+14]. **Herpesvirus** [BBL+16, ASB+12, BSK+10, BMK17, BVL+18, CLC+17, CCW+15, CCT+11, DKBS17, EYF+19, FBS13, FBAS16, FCC+13, FSC+16, GVLE16, GSEM13, GAEK+14, HDC18, HPY+13, IFF+15, KYK+12, KKOY19, KJW+17, KAST17, LLL+13, MLH+15, MSS+17a, MKY+15, MTA+15, MTAB15, MBT+17, NSS+17, PTM+19, PFP+13, RHZA+16, RBH+17, SMC+11, TDJ+10, TWJP10, TKS+18, WXL16, WSX+18, WIC+19, YkSKY13, vBVLR+16, MFES18, NJK+17, GM10]. **herpesvirus-1** [KYK+12, MFES18]. **herpesvirus-2** [NSS+17, GM10]. **herpesvirus-3** [GAEK+14, MKY+15]. **herring** [GJVT+11, GGW+11, HLL+12, HCEH16, HGH+16, MMBS10, WKW+11]. **Heterogeneity** [BGCKF12, LWWS14]. **heterologous** [MBS+19a, SLKE10]. **heterophil** [RSR+18]. **Heterophyidae** [BCM+17]. **Heterosporis** [KSAB+14]. **Hetrick** [Cip11]. **Hexacanalis** [BCJ13]. **Hexamitiasis** [OP14]. **Hfq** [MFHHG18]. **Hfq-sRNA-chaperone** [MFHHG18]. **HI** [RGD+12]. **HI-610** [RGD+12]. **hidden** [RBR19]. **High** [KKK+18, RNM+12, TCFáS19, BHT+17, BLF+16, BCBS+13, DAB+12, HGH+18, HMW11, LITCAH19b, LZZN10, NFF+17, OFA11, VCN+10, VPCM19, WMD+18, WZA10, WKW+11, ZDWH18]. **high-** [BLF+16, WZA10]. **high-grade** [VPCM19]. **High-throughput** [TCFáS19, BHT+17, LITCAH19b]. **higher** [FHFF15]. **highly** [GCNB18, KF10b, LQL+10, MAC+15, YGL+18]. **Hilgendorf** [HKK+11a]. **Hippocampus** [BQP12, BCW+15, DCV+14, DSMC17, LYD+15, LKT+13, OBR+14, QWTL17, SBHC18, WZQ+16]. **Hippoglossus** [BBP18, ONA10, RSH11]. **hirame** [BMMP+14, HMP+12, SDJH16, YMH+11]. **histidine** [FMA+19, SFR+17]. **Histochemical** [BDM+18, DMD+17]. **histochemistry** [DPC+10, MBD16]. **Histocompatibility** [PdLC19, CPB+15]. **histologic** [CSA+15]. **Histological** [ADR11, GFM+16, Góm12, LTC+14, BCBS+13, DPTCF10, HKF+16, PPK+13, PMBM13, RAM+17, SVV+17, TPD+19]. **Histology** [ECP+10, LvD18, CMEV17b, JBO+15]. **Histone** [WCL+19]. **Histone-like** [WCL+19]. **Histopathological**

[DCG18, DAO19, MKMY10, MAOS+18, STS+15, ABT+14, MCSM17, MPM16, NB10, PMP+18, QXW14, RHZA+16, RHST+16, RHSM+18b]. **Histopathology** [JMHK18, ONA10, TGJCH15, ATM+10, MBD16, SDZN19, YLW+14]. **historical** [WMM17]. **history** [ARFG13]. **histrix** [MdOO16]. **HN48** [LLL+18a]. **Hofer** [MKKM15]. **Hoffman** [LRB+17]. **Holbrook** [ALG15]. **Hole** [AFTEML19]. **Hole-in-the-head** [AFTEML19]. **Holmberg** [VGI+16]. **Holmes** [SPTDEE+15]. **Holocene** [ARL+17]. **Holocephali** [DRdS+10]. **Homarus** [CG11, SQC+14]. **homeostasis** [TvWO+16]. **homogenate** [SG12]. **homogeneity** [COB+16]. **hook** [ABM+15]. **hooking** [DLLB+18]. **Horizontal** [NRF+18, KS19, SHV+16]. **horizontally** [WNGS+17]. **hormonal** [GFM+16]. **hormones** [DSSB19]. **horn** [RHST+16, RhMM+15, RhMV+15]. **horse** [BCW+15, ONGQ+14, RGMGG+18]. **Host** [ADMF15, ABC+10, JFWH19, BCJ13, BLP10, EPCSBP18, FSB18a, FYO+11, GSEM13, GAEK+14, GGGM14, IBFL19, JPG+19, KOB+17, KF10a, LHW+15a, LRB+17, MMS+16, MWS17, OWM+17, PJZB19, RGD+12, SPP+18, SPTDEE+15, SP15]. **host-associated** [KOB+17]. **host-related** [FSB18a]. **host-seeking** [OWM+17]. **Hosts** [SMKBP17, GRG+16, HB12, KHG+17, MLH+15, ZYW+10]. **hounds** [MS16]. **hoyamushi** [PZL+14]. **HPR0** [GL18]. **HPV** [YTL10]. **Hsieh** [SS17]. **HSP70** [PHW+16, SRB12]. **human** [VME+19]. **humic** [YFA+17]. **humic-rich** [YFA+17]. **humoral** [CRS+13]. **humphead** [HCW+16, ZWY+11]. **Hungary** [ABVS18, KPKP10]. **Huso** [RHSM+18b]. **hutCD** [OJRL10]. **hybrid** [AZSSZZ13, BVG+10, FCS+18, ISCF+19, LTC+14, RHST+16, RHSM+18b, RhMM+15, RhMV+15, SSF+17, SL15, SRT+14, ZDWH18]. **hybridization** [ACSB+19, CPEH15, DXX+15, DCL+17, LZZN10, MTA+15]. **hybrids** [BSK+10, KHG+17]. **hydrodomous** [MRR+14, RNM+12]. **Hydrogen** [FVAVMGE18, ACN12, HKBD15a, HKBD15b, MGM+18]. **hydrolysates** [SJDC+13]. **hydrophila** [AA10, BLFRCQ10, BE19, ÇOÇ+16, CTK+10, DBS12, EDP+17, JAR+11, JSAH+18, KEY+15, LPA+10, LLZW14, LCR+10, LHW+15b, NDA10, OSAA18, SJSA+14, WMD+18, WYZ+19, YK12, ZCJ+18]. **hydroxybutyrate** [HBH+19, SCS+12]. **hymenocallidicola** [ŘKH18]. **Hypanus** [SCZM19]. **hyperinflation** [BCG+17]. **hyperlipidaemia** [CHF+12]. **hyperplasia** [ONA10]. **hyperplastic** [BHW+11]. **hyperthermia** [WXWD15]. **hyphal** [VDHV+16]. **Hyphessobrycon** [Lek12]. **hypochlorite** [HHO14]. **hypodermal** [YHY+16]. **hypophthalmus** [BAD+12, CTK+10, SMV+14, SZZSFN+14, SPV+18, VST+19]. **hypoxic** [EMA17]. **Hysterothylacium** [MGH+14, RGMGG+18]. **hystrix** [SBK+13].

I-based [TCFáS19]. **ice** [DJR+19]. **ice-structuring** [DJR+19]. **Iceland** [GVC+19, áKÁGA16]. **Ichthyobacterium** [MFS+17]. **Ichthyobodo**

[CKJ+14, MUM+19]. **ichthyoenteri** [BT14]. **ichthyofauna** [RAM+18]. **ichthyophoniasis** [HCEH16]. **Ichthyophonus** [AJLC+16, CPEH15, HGH+16, WMF14]. **Ichthyophonus-induced** [AJLC+16]. **Ichthyophonus-infected** [WMF14]. **ichthyophthiriasis** [AMRHM18, VGI+16]. **Ichthyophthirius** [AJLK+18, AMRHM18, BSD+18a, CKvGJB17, vGJHS+11, vGJKR+17, XKBC12, XZZ16, YYW+14]. **IcHV** [GM10]. **IcHV-2** [GM10]. **icmF** [WYZ+19]. **ictaluri** [BAD+12, CTK+10, GRG+16, KMGK+18, PRWG17, PRSK10, PMK12, SRT+14, VST+19, YK13]. **Ictalurid** [GM10]. **Ictalurus** [LTC+14, BBF+15, LTC+14, MP18, PRSK10, RKPG16, XKBC12, YSK13, YK13]. **idella** [GCWB11, LLL+12, YYW+14]. **idellus** [LXHL11]. **identical** [MNM+18]. **Identification** [BGC+17, CHH+14, CCW+15, CXW+19, CHF+12, DBM+14, HXZ+16, HHX+15, LLC+11, LCV+17, LCC+15, LLL+12, LMM+16, MFHHG18, PKLH19, PSBG+11, SRSF10, TCS19, WCL+19, WNCR12, YGL+18, ZWG+17, ZWL+16, BLL+17, dJDAVRGM+18, GLW+18, IGLG+17, JSJR+18, KPSP+19, LDA+19, LML+13, LYL+18, LFH+11, OBR+14, OGI+18, PSCFB+18, SSF+17, SMC+11, TCFáS19, ZSZF16, ZLX+19, ZFZ+11]. **identifies** [GSEM13, GLK+16, LSA+15, WDM+15, WMM+16]. **identifying** [BTN+18, JSJR+19]. **identity** [LDEH17]. **iELISA** [ZWG+18]. **IgD** [AJLC+16]. **IgD-** [AJLC+16]. **IgM** [AJLC+16, vGJHS+11]. **IgM-positive** [AJLC+16]. **IgT** [AJLC+16, vGJHS+11]. **IgT-** [AJLC+16]. **IgY** [NPGA+19]. **IHHNV** [YHY+16]. **IHN** [HAS+19]. **IHNV** [CGW+19, HSC+16, JSK+10, PMH+11, PFJ+10]. **II** [BMA13, CPB+15, GJVT+11, LLZW14, PMH+11, YYW+14, ZWG+18]. **II-DAB** [YYW+14]. **III** [EAN+18]. **IIIA** [SWWN+16]. **illegally** [ARFG13]. **Image** [ESV+19a, FSB18b, GGMG18a, GCM+18a, LITCAH19a, LLL+18b, MTLP+18a, PWHW18a, PLC+19a, QZZ+18a, VSDS+19b, CMEV17a, CMS+17, CMEV17b]. **imaging** [BKD17, BWM+13, FDST16, RHSM+18b, RHSM+18a]. **imbalance** [AFTEML19]. **Immersion** [MAC+15, GOM+19, JAJC+18, MBS+19a, MRN+19, MSCH14, PBM+15, SPLV+15, SCR+15, TTL+16]. **immersion-bath** [SCR+15]. **Immune** [HZX+13, LHW+12, TMM+15, AJLC+16, BSD+18b, BSB+18, BAMYAH19, Buc12, CLGP15, CCHL13, CKvGJB17, CCME16, CRS+13, CSCCA14, DMB+16, HKBD15b, HXZ+16, HMW11, JAJC+18, JMF+18, JKH+17, vGJKR+17, JJS+12, LMC+16, LSC+14, LMM+15, LMM+16, LHW+15b, NNC+18, PHW+16, RSB13, RBAT+17, RCGGM15, RSPA+18, SWD+14, XKB12, ZWL+14]. **immune-related** [JJS+12]. **immune-relevant** [SWD+14]. **Immunity** [CGW+19, CR12, JJV+15, LKS+13, SWM+15]. **Immunization** [PLCC11, OTN+12]. **immunizes** [NPGA+19]. **immunoassay** [PSK+13, SSHEM11]. **immunoblotting** [LLL+12]. **immunochromatographic** [LXX+17]. **immunocytochemistry** [ECP+10]. **immunoenzymatic** [NOST+16]. **immunogenic** [KREM14, LLC+11, LLL+12, NMIY14]. **immunoglobulin**

[ESV+19b, LSA+15, NPGA+19]. **Immunohistochemical** [ERÁpSB14, FBL+14, YDO+16, ZHFC11, AOAH13, ABT+14, BDM+18, CKJ+14, RHSM+18a, RAM+17, SMS+19]. **immunohistochemistry** [GCM+18b, MBD16]. **immunological** [EAM+13, FMT+14, SPCR+19, SSSP18, WCW16a, YSHG18]. **Immunomodulatory** [ESA+10, WXWD15]. **Immunophysiology** [SAD+12]. **immunoproteomic** [CRBLC+17]. **immunosorbent** [BWZ+17, NMIY14]. **immunostimulants** [NFA15]. **Immunostimulation** [IPW+13]. **immunostimulatory** [PPI+13]. **Impact** [AJLK+18, BPK+17, DD18, JCN+13, JCN+14, STG+10, SFU+13, DTF+16, GMC+16b, STES14, SSL18, TJA+13, KRFT14]. **Impacts** [BA14, BGRB14]. **impair** [RHB+15]. **Impairment** [BSV+18]. **impairs** [LP17]. **impedes** [BMD+14]. **implementation** [BMBS12]. **implicated** [BHF13]. **implications** [RBL+11, SSK17, DMK+19]. **importance** [KPSP+19, KNN19]. **important** [DS10, WLX+10]. **Imported** [RHBMM13, GJK+11, NSC+15, PRWG17, RKK+19, SBD11]. **imports** [WTM14]. **impoundments** [HWO+17]. **improved** [GCM+18b, SKN+16, VST+19]. **Improvement** [HAS+19, TJR+18]. **improves** [DMB+19, FMM+19]. **in-vitro** [SHS14]. **Inactivated** [WHR+18, LRC+18, MMNL14, RPMRLJ+19, SGB+16]. **Inactivation** [YkSKY13, DSA+12, DAB+12, HPAL10, MoSMS18, NCNB18]. **inaequilabiatus** [DMD+17]. **Incidence** [NB11]. **including** [SFF+17]. **inclusion** [PFC+13]. **Incomati** [DAO19]. **increase** [FMH+15, SJK+14]. **Increased** [DMB+19, CKTT10, FHFF15, NYRS12, OBFR12]. **increases** [CCHL13]. **Increasing** [FCJH19, USM17]. **incubated** [LF18]. **incubation** [FFP+14, FHFF15, SK15]. **independent** [Sla14]. **India** [GJM+15, GMP+11, HMV+17, RDN+12, SPP+18, SSV+17, SM14, TSK+19]. **Indian** [BNC+11, Góm12, GMP+11, JGI+10, NRMS14, SVM+18]. **indica** [AA10]. **indicate** [CKJ+14, KZJ+17]. **indicates** [MMBS10]. **Indications** [JNS+19]. **indicators** [PSZ+14]. **indices** [KPM+11, LFP+11a, LFP+11b]. **indicus** [NRMS14]. **Indies** [HHM+14]. **indirect** [ZWG+18]. **individual** [DIVC16, HWM+13]. **Indo** [CDM+13]. **Indo-Pacific** [CDM+13]. **Indonesia** [SMC+11]. **indoor** [SBK+15]. **induce** [CZB+11, LPA+10, OBFR12, SWM+15]. **induced** [ACN12, AJLC+16, BRMG13, CGW+19, DAO19, FLCC+14, Góm12, GHB+11, JCN+13, JCN+14, KRFT14, MMD+12, MLEM16, MGF17, XQS+15, ZZQ+19]. **induces** [CLGP15, CXW+19, ESV+19b, LF16, SON+18]. **Induction** [DJQ+12, HY16, FSV+18, MMS+16, WBF+10]. **industry** [VJWC+18]. **infect** [PST+16]. **infected** [AOAH13, BSV+18, BSSB18, BSD+18b, BSD+18c, BSB+18, BSD+18a, BLFRCQ10, BRB+12, Bin14, BCJ13, BTC+17, CLC+17, DCG18, DPADO16, FCM+19, FFLC17, GIW+11, GCM+18b, GMN12, HDWM15, HGB+11, HZX+13, JML19, JJV+15, KSM+17, KAST17, LRD+19, LMM+15, LMM+16, MKI+15, MKMY10, MTA+15, MTAB15, NB10, NHM+10, PB18, PRSK10,

PJU+13, SP15, SWD+14, SFL+16, TJB+15, UMMS17, VTM+14, WMF14, ZWY+11, ZPM+18, SSV+17]. **infecting** [BLL+17, BNS13, FDL+17, IBFL19, LQL+10, LZGZ16, LJHG14, OMO+15, RPGCIG17, SAS+19, SGQ+15, TB12, USM17, WMD+18, WCW+16b]. **Infection** [ARFG13, BKD17, BLP10, CGAS19, DDBC+15, NNCLGC+11, ZWLG10, ASA10, AMAR18, AHHR+10, AHPR+16, ATP+16, AZSI+12, ABT+14, AA10, BSPS+18, BMD+14, BBF+15, BLdA+18, BAMYAH19, BE19, BHO+19, BFFA+12, BDB+18, BVG+10, BVT+18, CBLN13, CDM+13, CBC+13, CHWM+19, CAJD+18, CKvGJB17, CG11, CB13, CDD+18, CCM+11, CCMA+17, DBS12, DIH+16, DLP+13, DMB+16, DMD+17, DJR+19, DCZ+17, EDP+17, ESA+10, ECP+10, FBAS16, FSV+14, FŠK+19, FBVC16, FCC+13, FSO+10, FCS+18, GSEM13, GRP+15, GDN+16, HKK+11a, HPY+13, ICVV16, JKL+13, JHW17, JFWH19, JMF+18, JKH+17, KKK15, KSS+15, KRD+17, KPK+18, KHC+18, KLD+18, KKOY19, KBE+14, KJW+17, KDA+18, KKKA17, KDP+17, LGK+14, LLG+15, LP17, LMG+19, LC17, LCOZ10, LL12, LLH+14b, LXL+18, LGJ19, LCR+10, LSA+15, LYKN18, LHW+15b, LXZ+19, MBOC19, MSC+17, MLRS+17, MFES18, MSR+10, MKH+11]. **infection** [MUM+19, MTA+15, MCW+18, MKKM15, NOV+11, NYRS12, OJRL10, PBC15, PRWG17, PFP+13, PYSS19, PPI+13, PPF+12, PG16, PMK12, PFC+13, PMPG+16, QWTL17, QZZ+18b, RHS+12, ŘKH17, RBM+16, RFA+14, RSR+18, RPM+19, SHKF16, SZM+15, SBP+19, SSV+10, SGB+16, SHJ+12, SDJH16, SPLV+15, SS17, SSJ+19, SNM+16, SAD+12, SWWN+16, SODB16, SOA+18, SVY+14, SON+18, SRT+14, SNK+19, TIK+14a, TTL+16, TDS+19, VDMJ+13, VBL+15, VBL+16, WBF+10, WLX+10, WKW+11, WIC+19, Wen16, WFH+18, WXWD15, XJL+19, YFA+17, YDO+16, YK13, YYW+14, YLX+19b, ZNHC11a, ZNHC11b, ZKL+19, ZLN+17]. **Infections** [LHW+15a, STF+15, SBM+11, BFJ11, CMH+17, CLS+15, DS10, DYML+18, FYO+11, GFW+10, GRF14, HCL+14, JQK14, JZK+14, JJSJ15, KFK+16, LML12, LST+12, LPCC12, LLL+18a, NMIY14, RAM+19, RSH11, SWS+16, SVV+17, TSK+19, UMMS17, WMF14, WBD10a, WNAJ+16, ZHFC11, PTM+19]. **Infectious** [ADF14, BAH+18, CCCTA+14, MNM+18, MMNL14, RWTB17, TVK+19, ADMF15, ATM+10, ASHZ+12, AOAH13, BMK17, CGW+19, DSJA18, EYF+19, ECP+10, EBM+18, EEMCEGSP16, FE11, GL18, GTT+17, GCS+18, HSC+16, HWM+13, HMV+17, IOO15, JDRM17, JOF+19, JSK+10, JMS13, JJSJ15, KDA+18, KBD13, KWD+16, LTG+18, LTM+19, LLLG18, LASRA+19, LGJ19, LJGRI+10, LVADB17, LRMN17, MBOC19, MMWK19, MAC+15, MR11, MTHB13, MNM+19, MMH10, NB10, OBFR12, PMW+10, PMH+11, PBM+15, RMSH09, SJDC+13, SWD+14, SG12, SSO+14, TIK+14a, VDMJ+13, VCOD17, YLSW14, YHY+16]. **infective** [FSB18a, GGGM14]. **infective-stage** [FSB18a]. **Infectivity** [CGCAH12, SCR+15, FE11, GTH11, OKS+13, SG12]. **infects** [RAVC18, VSDS+19a]. **inference** [RRC+17]. **inferred** [FMA+19, MFS+17, STIG17]. **infestation**

[FDST16, GAVC16, HSHC+16, MGM+18, SFU+13, VMBGE17].
infestations
[GCGR13, HLHS11, JCN+13, JCN+14, KRFT14, PBBG19, SMR10, TAQ+10].
infesting [YB17]. **inflammation**
[BKG+18, GRT12, MLF+10, NHM+10, WHR+18]. **inflammatory** [BSB+18, BSD+18a, BSD+18d, ESV+19b, GIW+11, MDF+17, RCGGM15, SJSA+14].
Influence [HH13a, JSAB+19, SLPB18, SSL18, WBF+10, BSD+18a, DIVC16, IBFL19, MPS+18]. **influenced** [BSPS+18]. **influences**
[CRBLC+17, JMF+18]. **influencing** [CHAB10, TES16]. **information**
[AGFG19, MJ17, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l].
informing [SMR16, SDI+18]. **infrared** [WNCR12]. **Ingestion** [SNM+16].
inhabiting [FDL+17]. **Inhibition**
[GSBEM15, HMP+12, BSD+18c, DRG+17, HLP+16]. **inhibitors**
[AS17, ASS19, UKS+18]. **Inhibitory**
[SBW11, BLFC12, PSBG+11, YVM+14, YLX+19b]. **inhibits**
[BSV+18, TKS+18]. **iniae** [BYAS+19, CZL+19, EPA+10, HJOK11, KNN19, OGI+18, SLKE10, WZL13, ZFZ+11]. **initial** [SZM+15]. **injectable**
[HJN+19]. **injection** [CMH+17, ELI+17, GSS+10, GMC+16b, MID+19b, PYSS19, RPMRLJ+19, SPLV+15]. **injury** [FBK+16]. **inkyongense**
[dASLS+19]. **innate** [JKH+17, LKS+13, STS+15, YSHG18]. **innesi**
[SMS+19]. **inoculation** [SDR+15]. **inorganic** [MMNL14]. **inornatus**
[SBW+18]. **insight** [dALF+17]. **Insights** [COB+16, SP15]. **integrate**
[JMD+18]. **integrity** [FMM+19, FE11]. **integron** [NB11]. **intensity**
[BND+17, BWP+19b]. **Intensive** [TAQ+10, JR19, LLH+14b, STS+15].
intensively [MP18, SKPS16, SMS+18]. **interacting** [SRSF10]. **interaction**
[GIW+11, IBFL19, MKI+15, RGD+12, SP15, WNMK+16]. **Interactions**
[LMC+16, GAEK+14, JFWH19, Tre12]. **interactome** [FMA+19]. **interface**
[BCJ13]. **interferes** [VDH19]. **interferons** [NSE+17]. **intergenic** [TAC15].
interleukin [CKTT10]. **interleukin-1** [CKTT10]. **internal**
[DPMK12, LCZ+18]. **internalization** [TDT+16]. **internalize** [LASRA+19].
interpretation [GVB+17a]. **intestinal**
[BGD+17, BWS+18, DPC+10, DMB+16, DAO19, ERÁpSB14, JSAH+18, LFL19, MBB12, MKK+11, SJSA+14, VMBGIC19]. **intestine**
[BKG+18, BDM+18]. **intestines** [YkSKY13]. **Intimal** [DRdS+10]. **intra**
[GSS+10]. **intra-peritoneal** [GSS+10]. **intracellular**
[AHAMR+19, MB17, YVM+14]. **intracoelomic** [PYSS19]. **Intragastric**
[PYSS19]. **Intragenomic** [LWWS14]. **Intramuscular**
[ESV+19b, ELI+17, FGJ+10]. **intranuclear** [ACSB+19, XLZ+17].
intraperitoneal
[ELI+17, LWJ+16, MID+19b, MID+19a, RPMRLJ+19, SPLV+15].
Intraspecific [BAD+12]. **Introduced** [BMD+14]. **intubation**
[JSAH+18, SJSA+14]. **Invasion**

[RhAS+15, HGW+19, KVC+16, VMBGIC19]. **invasions** [WTM14]. **invasive** [BND+17, GCNB18, KPKP10, MKK+11, RHST+16, SBD11]. **invertebrates** [BCL+19, HCCM12]. **investigate** [AAUHW15]. **Investigating** [GAEK+14, JBO+15]. **Investigation** [DWL+17, DYML+18, GFB+19, SS17, SFF+17, VCR+11, YLSW14, BSW17, HZJ+19, KOI+14, SSJ+19]. **Investigations** [NLC+16, SVV+17]. **investment** [PPF+12]. **involved** [CIL+17, DLP+13, GSEM13, LCV+17, LSC+14, MBB12, PKLH19, RMS+13, WCL+19]. **Involvement** [BSD+18b, BSD+18c, LTC16, NB10]. **involving** [CDD+18, DABO+17, LEM+19]. **iodine** [MoSMS18]. **iodixanol** [DLCC+13]. **IPN** [CRAG+12]. **IPNV** [BAH+18, CGW+19, ECP+10, JJSJ15, KBD13, LJGRI+10, NSE+17, NB10, PFJ+10]. **Iran** [RHZA+16]. **Ireland** [JCN+14, BW18, GFW+10, GFR+12, JCN+13, JKO+13, KRFT14, MSR+10, RMSH09, SBH+16, TCM+19]. **iridoviral** [LGK+14]. **Iridoviridae** [MNG+18]. **Iridovirus** [WBD10a, CCLL16, GHH+11, HLC+15, JLJ16, KHC+18, LCC+15, RWTB17, SCK13, WZL+11, YLX+19b]. **iridovirus-type** [KHC+18]. **iridoviruses** [BLL+17]. **Irish** [GM11]. **Iron** [BPMI+16, BLF+16, BAMYAH19, CRO+18, OJRL10, VMBGE17, WZL13]. **iron-acquisition** [BAMYAH19]. **irradiation** [CB13]. **irritans** [LMAKN16]. **ISA** [CRAG+12]. **ISAV** [AGB+19, GL18, MMWK19, NSE+17]. **Isbrücker** [ADR11]. **ISKNV** [TIK+14a]. **Island** [HSGD11, MMMD16]. **islandica** [ATP+16]. **islands** [LCV+17, Gis18]. **isogeneic** [NSS+17]. **isolate** [CHH+14, HO13, HHX+15, IOO15, JSK+10, MID+19a, ZLX+19]. **isolated** [BT14, CVLJ+10, CMSHS16, COB+16, CLLF14, DMP10, DLPR15, DSJA18, GJVT+11, GBO+18, GCMG+11, HKK+11b, HY16, IGLG+17, KTP+15, KKM+19, KSAB+14, LEM+19, LYL+18, MNM+18, NMIY14, NMM+18, PKPG15, PSBG+11, PAZ18, PLC+19b, RKK+19, RVC18, SDWA18, dASLS+19, SKB10, TWYC15, YkSKY13, ZZC+17]. **isolates** [ACAS14, AAZS+15, BAD+12, BGC+17, BBP18, BFC+15, CD17, CYS17, DBV+13, DLCF13, DZV10, DMK+19, FSB+18c, FNISE12, GPFGAG19, GRG+16, HBB+15, HKB+16, HXZ+16, JDH+18, JGI+10, JMS13, JSJR+18, KWD+16, LLLG18, MPBM+16, MNM+18, NSB+18, PSCFB+18, PRY+18, RB15, RSIP+17, RSPA+18, RMSH09, SHO+17, SLKE10, TJB+15, ZWL+16]. **Isolation** [ABF15, BLFC12, CLZ+12, DKBS17, FDL+17, GJM+15, GFS+14, JDRM17, LDA+19, OBR+14, PBMB11, RSM+18, SSF+17, SMC+11, WCW+16b, ZB12, ZSZF16, ZLX+19, ATM+10, BMMP+14, DSMC17, DABO+17, LPVGL+10, MHNY18, MNM+19, SPS+17, SMV+14, SWE+19, VDD+18, ZxYJ+19, EA18]. **isopods** [HSGD11]. **isothermal** [HJOK11, JYZ+14, KTN+16, LLWL15, MSI+15, YWW+19]. **Issue** [Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l]. **Isurus** [ABM+15]. **Itagaki** [LML12]. **Italy** [APP+17, BVG+10, BVT+18, CGP+19, FCC+13, FSC+16, QPB+16, VPS+14].

items [PJL+12]. **IV** [DJR+19, GVC+19, MSG+18]. **IVb** [AHHR+10, AHPR+16, Ano12c, GMN12, GRP+15, HPAL10, KF10a, MF12, OEG+13, VBL+15, VBL+16, WKW+11]. **ivermectin** [ANB+19].

Jackson [KRFT14]. **jandaei** [DTJ+17]. **Japan** [CONN10, MHNY18, MKMY10, TIK+14a, ZYW+10]. **Japanese** [FYO+11, KYK+12, KPK+18, OMO+15, WCW+16b]. **japonensis** [SBD11]. **japonica** [KYK+12, KPK+18, KLD+18, OMO+15]. **japonicus** [ESA+10, LQL+10, MTK+10, XJL+19]. **Jasus** [ZJDL18]. **Jaundice** [OAO+12, MFS+17, GMC+16a]. **jaw** [ACA+16, WBE+17]. **JEECV** [OMO+15]. **jellyfish** [MLMR16, PÅD18]. **jirovecii** [AMAR18]. **Jordan** [DBHC17, FYO+11, WWS+11]. **jordani** [GM11]. **juvenile** [ASW16, AAV+16, BCT+17, BBP18, HSGD11, HKD+10, KF10b, KPM+11, LKS+13, MUM+19, MPM16, PST+16, PSS17, STF+15, SSF+17, XLZ+17, VCLW16]. **juveniles** [EEMCEGSP16, OP14, PBM+15, RBWR+15, SOA+18].

Kaolinitic [BBF+15]. **Kaup** [CVLJ+10, CTD+12, CPP14, CRS+13, CSCCA14, FBL+14, dALF+17]. **Kellogg** [TNK12, WBF+10]. **Kempkes** [ADR11]. **Kenya** [MNM+18, MNM+19]. **keta** [KBE+14]. **key** [KFK+16, LXZ+19, WMM17, ZZQ+19]. **Khawia** [SBD11]. **KHV** [BSK+10, BWZ+17, KKOY19, MTA+15, PFP+13, RBM+16, SMC+11, ZWL+14]. **KHV-CJ** [ZWL+14]. **KHVD** [BSK+10]. **kidney** [BSW17, BLdA+18, BSSH17, BLP10, BSBH10, CHAB10, CSCCA14, GHH+11, KSM+17, Lek12, PRSK10, RhMM+15, RWTB17, SWD+14, SSO+14, TIK+14a, WWS+11, XWP+18]. **kidney-derived** [WWS+11]. **kill** [MP18]. **killer** [BRB+12, LSC+14]. **killing** [MWRSK17, TDLT+16]. **kills** [LDEH17]. **kinase** [FMA+19, HCW+16, PMH+11]. **kind** [BSPS+18]. **Kinetic** [FGJ+10, TDT+16]. **kinetics** [SS17, TNK12]. **Kingdom** [NSB+18]. **kingfish** [NWMK16, STIG17]. **Kinkelin** [HMDB13]. **kisutch** [AHTCA+17]. **Klamath** [JMHK18]. **Kner** [EDSL11]. **knowledge** [GFS+18, JJM+17, KSS17, LRMN17, MYWC18, ZGY+18]. **known** [MS16, VLVS+16]. **Koi** [CCT+11, PTM+19, TDJ+10, ATJS+18, BSK+10, BMK17, CLC+17, CCW+15, CLHGK17, CDD+18, EYF+19, FBS13, FSV+14, GJM+15, HDC18, KKOY19, MTA+15, MTAB15, RHZA+16, RBH+17, SGB+16, SEM18, SMC+11, TWJP10, WZW+18, YkSKY13]. **koi-herpesvirus** [YkSKY13]. **Korea** [HKK+11a, HKK+11b, HPY+13, KYK+12, KLD+18, RKK+19, SDJH16]. **Korean** [KOS+10]. **koreensis** [SM14]. **Krabbe** [BK12, MGH+14]. **Krkosek** [JCN+14]. **Krøyer** [AHH16, DLLB+18, IPW+13, JR19, PJZB19]. **Kruger** [HGPD11, HOHG13]. **kuda** [DCV+14, LYD+15]. **Kudo** [RKPG16]. **Kudoa** [ATP+16, CB13, MSBB+16, SS17, TOK+16]. **kuruma** [ESA+10, MTK+10]. **Kuwahara** [LML12]. **kynurenic** [KSM+17].

L [ASHZ+12, JCN+14, ZWLG10, LFD+17, ZCJ+18]. **L-aspartate** [ZCJ+18]. **L-Lactic-Co-Glycolic** [ASHZ+12]. **L-rhamnose** [LFD+17]. **L.** [ACN12, ATP+16, AGFG19, AZSSZZ13, ACA+16, AAV+16, ARFG13, ASSP+15, Ano10c, AI11, ACM+14, ATP+17, AdOG+17, BNC+11, BSWS11, BSC+14, BMD+14, BGRB14, BLFRCQ10, BC11, BT14, BSSH17, BMGS17, BMT+15, BHA+17, BNS13, BK12, BSBH10, BGCKF12, CBLN13, CBC+13, CVLJ+10, CVGR+13, CJB+15, CR12, CLL+10, CCT+11, CLHGK17, CKTT10, CCHL13, CCME16, CZB+11, CRAG+12, CLLF14, DTF+16, DKG+17, DLLB+18, DMB+19, DLP+13, DdRTM13, DPCdR14, DTJ+17, DRdS+10, EPA+10, ECP+10, EWH+19, ELI+17, EDV+18, ESV+19b, EMA17, FLCC+14, FSV+14, FKB+14, FMM+19, FCC+13, FSC+16, FFP+14, FHFF15, FMH+15, GJVT+11, GFO+13, GFS+18, GMG+19, GMC+16a, GJM+15, GIW+11, GSS+10, GGH+10, GCMG+11, GMC+16b, GSEM13, GBSF12, GFR+12, GRT12, GHB+11, GCGR13, GGGM14, HHO14, HLHS11, HKD+10, HSA17, HST+13, HCL+14, HJN+19, HMW11, HFKF17, HKF+16]. **L.** [IPW+13, IAR+10, JCN+13, JKO+13, JQK14, JWO+10, JTW+10, JAR+11, JBO+15, JOF+19, JNS+19, JCS11, JHRW17, JHGR13, JJSJ15, KAS+18, KTP+15, KSA+10, KPM+11, KRFT14, KAST17, KBD13, KWD+16, LGK+14, LDÁM14, LAN+14, LLH+14a, LGS+14, LCR+10, LJGRI+10, LPVGL+10, LBF+14, MBB12, MKI+15, MIO+18, MMWK19, MCWL13, MLMR16, MLRS+17, MLER+18, MSBB+16, MLF+10, MMBS10, MBS+17, MRSC13, MAC+15, MVWS13, MID+19b, MID+19a, MSS+12, MSR+10, MGH+14, MGM+16, MTA+15, MTAB15, MMH10, NLF11, NJK+17, NYRS12, NB10, OBR+14, OSC+14, ONGQ+14, OCLI+19, ONA10, OBD10, PAM+19, PBC15, PBM+15, PSZ+14, PBMB11, PGF+19, PHVM13, PFP+13, PYSS19, PB18, PPK+13, PPI+13, PFJ+10, PG16, PÅD18, PJU+13, QXW14, RHZA+16, Řeh13, RB15, RGD+12, RMAM12, RBF14, RMR14, RSH11, RSIP+17, RBWR+15, SMR10, SMM+13, SFR+17]. **L.** [Sam10, SBD11, SFBW+17, SWM+15, SPKS17, SLKE10, SL15, SBH+16, SFU+13, SG12, SWH+14, STES14, SWWN+16, SWS+16, SKGE13, SBK+13, SKPS16, SKJ13, SSA13, SRB12, SNK+19, SJSA+14, TWNB+12, TJB+15, TCC10a, TES11, TCM+19, TMC+12, TNK12, Tre12, TWYC15, VDMJ+13, VCN+10, VTM+14, VMCM14, VFB+12, WDM+15, WMM+16, WPH+13, WZW+18, WIC+19, WNLF+12, WNSAL12, WNAF+13, WNMK+16, WNAJ+16, WKK12, WEPB+18, YSHG18, YFA+17, YNL11, YMBE13, YP17, ZCCN13, ZNHC11a, ZNHC11b, ZCP12, ZWLG10, ZPM+18]. **labelled** [KTK17, VLVS+16, RGD+12]. **labelling** [EPCSBP18]. **Labeo** [KREM14, SSSP18]. **Laboratory** [ZCCN13, CBW19, KCL14, KAESEM13, MMD16, SSK17]. **labracis** [RRC+17]. **labrax** [CKTT10, FCM+19, FPK+17, LMC+16, NOST+16, PBC15, PST+16, RRC+17, RGD+12, TMC+12, TNK12, VTM+14]. **Labridae** [MMW+15, Tre12, WDM+15]. **Labrus** [BVK+16, BT14, RSP+17, RSM+18, SRM+18]. **Lacépède** [AZSI+12, CGAS19, CLZ+12, CWL+17, LYD+15, MGN+16, WKW13]. **Lack**

[KSA+10, SL15]. **Lactic** [ASHZ+12, PSBG+11]. **lactis** [WEPB+18]. **lactococcosis** [CRBLC+17, CPB+15, FLC+17]. **Lactococcus** [ABT+14, CLT+14, DPMK12, FLC+17, HY16, PSBG+11, TAC15, WEPB+18]. **Lagoon** [YMBE13, YB17]. **Lagos** [AAUHW15]. **Lake** [BSC+14, JMHK18, MKKM15, NFF+17, ARR+18, CMS+19, CMR+16, HWO+17, JST+19, MCW+18, NMV+19, PYSS19, TSS18, TRS19, WWZ+18, WKW+11, YTKS19, YLL+18, YWW+19, BGRB14, BWB+17, HAP+10, HWO+17, MCW+18]. **lakes** [AAUHW15, EKED+17, FDL+17, KF10a, KF10b, OEG+13, WKW+11]. **lalandei** [STIG17]. **lalandi** [KHS11, NWMK16, RBAT+17, STIG17, SS17]. **LamB** [YZW+19]. **laminin** [MBD16]. **LAMP** [HJOK11, YWW+19]. **Lamproglena** [MAOS+18]. **lanceolatus** [BFFA+12, CBH+15, DDBC+15, GHW+15, SSF+17, ZDWH18]. **Landsberg** [ZYW+10]. **langsdorfii** [KKOY19, NSS+17]. **large** [HZJ+19, SPP+18, XQS+15, ZZA+14, ZWG+17]. **Largemouth** [CGAS19, PBBG19, ZLX+19]. **Larimichthys** [XQS+15, ZZA+14, ZWG+17]. **larvae** [BCBS+13, BRMG13, BA13, CVGR+13, DMB+16, DMD+17, DABO+17, EEMCEGSP16, HBH+19, HPY+13, KS19, KTK17, LMC+16, MBB12, MRN+19, MGF17, NRF+18, NDA+19, RGD+12, RGMGG+18, RSH11, RCD+17, SPP+18, SCS+12, TNK12, WCL+12, ZJR+18]. **larval** [BT14, EDN18, MVM+18, RRO+13, RBAT+17]. **laser** [BCM+17, WNLF+12]. **late** [CCLL16, LCC+15, MLER+18]. **late-stage** [MLER+18]. **latency** [IFF+15]. **latent** [ATM+10, LMG+19]. **Lateolabrax** [SDJH16, XJL+19]. **lateral** [FPK+17, WSX+18]. **lateral-line** [FPK+17]. **Lates** [BO15, GKCC+12, JHW17, KNN19, SDM+19, TGJCH15]. **Latris** [ABC+10, CB13]. **Laurentian** [FDL+17, KF10b]. **layer** [GLK+16]. **LE141** [GPFGAG19]. **LE89** [GPFGAG19]. **lead** [CCHL13, GBV+16, MSS+12]. **leads** [ASW16, EDV+18, MSG+18, OP14]. **leaves** [ZTF+10]. **Lecanicephalidea** [BCJ13]. **lectin** [ACYC10, PBC15]. **Leech** [PBBG19, KCL14]. **leei** [ERÁpSB14, SSJ+19]. **leg** [TTL+16]. **length** [NRMS14]. **lentiginosus** [AFA+12]. **Lepeophtheirus** [AHH16, AH16, BRL+13, BDD+18, DLLB+18, EDN18, FSB18a, GCGR13, HH13b, IPW+13, JCN+13, JCN+14, JR19, JHGR13, KJB11, KRFT14, LGJ19, NRF+18, NLC+16, NBJ10, OWM+17, PJZB19, PPI+13, PFC+13, SMR10, SMM+13, SMR16, SFU+13, SSA13, USM17, WWE+13]. **lepeophtherii** [MRSC13]. **lepidosarcomas** [SMS+19]. **Lepidotrema** [FHD13]. **Lepomis** [ALG15, BMA13, DWL+17, LEM+19, LDEH17, LFL19]. **Lernaea** [RHS+12]. **Lernaeidae** [MAOS+18]. **Lernaeocera** [BSWS11]. **Lernaeopodidae** [PMBM13]. **lesion** [HKF+16]. **Lesional** [ONGQ+14]. **Lesions** [BB11, AGFG19, BOH+12, BMA13, CBFM16, Góm12, GHB+11, LLS+11, LWMT10, MPM16, PSS17, RhMM+15, RVB13, RSF+17, RBF14, SMJ+12, SM14, SON+18, VPS+14, VPCM19, WNLF+12]. **Lesson** [LYD+15]. **Lesueur** [GPWF19, LML12, LTC+14, PHR14, SCZM19]. **Letaba** [HGPD11]. **lethal** [FCM+19, MTAB15, SRB12]. **lethality** [DIVC16]. **lethostigma**

[WWS+11]. **leucocytes** [CHAB10, CSCCA14]. **levamisole** [ANB+19, OMB+19]. **level** [GBV+16, KAS+18, MTLP+18b, PSCFB+18]. **Levels** [áKÁGA16, DIVC16, GDN+16, HGG+11, JKO+13, MMH10, RHTC19b, YAHWU11]. **LF** [RSIP+17, RSPA+18]. **LF-89-like** [RSIP+17, RSPA+18]. **Libyan** [RBS+16, RSF+17]. **Lice** [BT13, Kan18, AH16, EWRH13, FVAVMGE18, GBV+16, GVB+17b, GVB+17a, Gis18, GCGR13, HGH+18, HH13b, JCN+13, JKO+13, JCN+14, JMD+18, JR19, JHGR13, KRFT14, LGJ19, MSMM19, MMH+18, NRF+18, NBJ10, PdLC19, PJU+13, PFC+13, SMR10, SMM+13, SCF+13, SDI+18, SSA13, SSL18, TJA+13, UMMS17, VDMJ+13, WWE+13, WOD16, YAHWU11, VCLW16]. **lice-induced** [JCN+13, JCN+14, KRFT14]. **lids** [BHW+11]. **Life** [RRC+17, AJLK+18, JHGR13, LF18, LNC+17]. **ligands** [YGL+18]. **light** [BRL+13, HPAL10, LSA+15]. **Ligurian** [VPS+14]. **like** [BRB+12, BMH+19, CBFM16, dJDAVRGM+18, GMB+17, GBO+18, KHLL16, LLS+11, MBB12, MRR+14, MTG+10, MID+19b, NSE+17, PRSK10, RAVC18, RPJ+18, RSIP+17, RSPA+18, SHO+17, SHKF16, SWD+14, WCL+19, ZGY+18, CCLGRM+17, CKJ+14, MID+19a, NPGA+19]. **Limanda** [SBH+16, VDD+18]. **Limited** [PSCFB+18]. **Lindau** [HDC18]. **line** [ADR11, APG+11, BNC+11, BAMYAH19, FPK+17, GHH+11, GSBEM15, GHW+15, IFF+15, KLW10, LJC+19, MVM+18, NSE+17, PWHW18b, PWW19, PMW+10, SVL+17, SSG+19, SDR+15, VBL+15, VKK+19, WWS+11, WWZ+18, WZW+18, WKW13, Wen16, WBD+10b, XWP+18, YNL11, YCNW18]. **lineage** [MBS+17, SMC+11]. **lineages** [WBD+10b]. **lineata** [ABC+10, CB13]. **lined** [BCW+15, QWTL17, SBHC18]. **lines** [CLL+10, CGCAH12, EYF+19, MTHB13, NMV+19, VBL+16]. **link** [DPD+18, MLF+10]. **linked** [BWZ+17, DCMM13, DBM+14, FMA+19, KHLL16, NMIY14, PMH+11, TvWO+16, YLX+19a, ZLN+17]. **links** [LC17]. **Linn** [ZKL+19]. **Linnaeus** [ASW16, BAH+16, FCM+19, FPK+17, GAVC16, HSHC+16, LLZW14, LDEH17, MBD16, MSS+17b, PJZB19, TDS+19, WSA+18]. **Linnhe** [SMR16, SDI+18]. **lion** [PÅD18]. **lipid** [CHF+12, DMB+19, HOHG13]. **lipidosis** [DBHC17, SKPS16]. **Lipoid** [DBHC17]. **lipomatosis** [RHST+16]. **lipopolysaccharide** [JBGP11]. **Liposarcoma** [RHST+16, SBK+15]. **liposome** [MTK+10]. **liposome-coated** [MTK+10]. **Liquid** [BCW+15, SHV+16]. **listed** [HAS+19]. **Listonella** [RRO+13]. **Litopenaeus** [HXZ+16, BTN+18, CLW+13, HMV+17, JQK14, KS19, RPGCIG17, SSV+17, SVM+18, TMM+15, TDLT+16, TDT+16]. **Little** [GB18, MS16]. **little-known** [MS16]. **litulon** [FYO+11]. **live** [CBW19, CBM+18, GWM12, MBS+19a, TWJP10, WKK12]. **live-attenuated** [MBS+19a]. **Liver** [DMD+17, NB10, PSZ+14, CMS+19, DBHC17, FBK+16, JCS11, KSM+17, RhMV+15, RMAM12, TMWV14]. **living** [OMO+15]. **liza** [PMBM13]. **Lizard** [HSGD11]. **lizardfish** [KSAB+14]. **loach** [ZWL+16]. **load** [DD18, OBFR12, USM17, VCN+10]. **loads** [PdLC19]. **lobster** [CG11, SQC+14, ZJDL18]. **local**

[ASB+12, ESV+19b]. **localization** [ACYC10, PSS17]. **located** [HGW+19]. **location** [BNS13]. **locations** [JCN+13, JCN+14, KRFT14]. **Loch** [SMR16, SDI+18]. **loci** [PdLC19]. **locus** [MSG+18]. **Lom** [ZYW+10]. **Loma** [MVM+18, PG16]. **Long** [DIVC16, MSBB+16, KHG+17]. **Long-term** [DIVC16, MSBB+16, KHG+17]. **longfin** [ABM+15, MWS17, WTM14]. **longiceps** [GMP+11]. **longitudinal** [GFW+10, JWO+10]. **longsnout** [DSMC17, LKT+13]. **loop** [HJOK11, JYZ+14, KTN+16, LLWL15, MSI+15]. **loop-mediated** [HJOK11, JYZ+14, KTN+16, LLWL15, MSI+15]. **loopmediated** [YWW+19]. **Lophiiformes** [LZGZ16]. **Lophius** [FYO+11]. **lordosis** [LGS+14]. **lords** [GM11]. **Loskop** [HWO+17]. **loss** [TJB+15]. **Lost** [JMHK18]. **Lota** [PFJ+10]. **Lough** [MFES18]. **louse** [AHH16, BRL+13, BDD+18, EDN18, FSB18a, HBS+14, KJB11, NLC+16, OWM+17, SFU+13, USM17]. **Low** [HHO14, HZP+12, JLJ16, AAZS+15, BLF+16, EDV+18, GAVC16, HGG+11, LRS+17, LZZN10, MMBS10, MAC+15, MTHB13, MSK+12, SVL+17, WZA10]. **low-frequency** [LRS+17]. **low-speed** [MTHB13]. **low-virulence** [BLF+16]. **low-virulent** [WZA10]. **Lowe** [KCD+14, RBS+16, RSF+17]. **lower** [ACA+16, OP14, HGPD11]. **LPS** [UKS+18, ZZQ+19]. **LPS-induced** [ZZQ+19]. **LR** [FBK+16]. **LS** [DJR+19]. **LS-12** [DJR+19]. **lucioperca** [BAH+16]. **lucius** [Řeh13]. **lugubris** [PBBG19]. **Luminal** [RRO+13]. **luminescent** [HBVB16]. **Lumpfish** [TDS+19, ATP+16, CCH+19, ESBE18, ELI+17, EDV+18, ESV+19b, GVC+19, JHRW17, MLRS+17, PAM+19, PB18, RVC18, SBP+19, SFBW+17]. **lumpsucker** [AGR+16]. **lumpsuckers** [EWH+19]. **lumpus** [ATP+16, AGR+16, CCH+19, ESBE18, EWH+19, ELI+17, EDV+18, ESV+19b, GVC+19, JHRW17, MLRS+17, PAM+19, PB18, SBP+19, SFBW+17, TDS+19]. **lungfish** [RSR+18, SFF+17]. **lupin** [AA10]. **Lupinus** [AA10]. **luteus** [dJDAVRGM+18]. **Lutjanus** [CLWJ13, HCW+16, ZWY+11]. **luxatus** [JMHK18]. **lymphocystis** [CVGR+13, CCME16, HHX+15, JKC+11, PHvdH12]. **Lymphocystivirus** [CVLJ+10]. **lymphocyte** [HCW+16]. **Lymphoid** [JJS+12, SCZM19]. **lymphoma** [KVC+16]. **Lymphosarcoma** [MCWL13]. **lysogenic** [HY16]. **lysozyme** [LSC+14].

M [ESV+19b, PMW+10]. **M.** [FMT+14, JCN+14, PBW+18, ZYW+10]. **macarellus** [BHW+11]. **Maccullochella** [SJT14]. **mackerel** [BHW+11, ONGQ+14, RGMGG+18]. **maclovinus** [GOM+19]. **Macquaria** [HBB14, JFWH19]. **Macrobrachium** [FMT+14, HO13, LYKN18, RSGB+14, SPP+18, WCW16a, ZSZF16]. **macrocephalus** [SRT+14]. **macrochirus** [BMA13, DWL+17, LEM+19, LDEH17, LFL19]. **macroglobulin** [LSA+15]. **macrophages** [DRG+17, UKS+18, WYZ+19]. **macropinocytosis** [LASRA+19]. **macropomum** [OMB+19, VDO+18b, ANB+19, FCS+18, PdSG+12, VDO+18a].

macroscopic [LWMT10]. **macrostomum** [BCM+17]. **macrostomus** [IOO15]. **maculata** [CLZ+12, LGC+19]. **maculatus** [SDJH16]. **Magath** [RGMGG+18]. **magellanicus** [BRL+13]. **mahseer** [SM14]. **main** [RMS+13]. **Maine** [PJZB19]. **mainland** [CWW+18, ZCC18]. **maintained** [TIK+14a]. **maintenance** [KAESEM13]. **major** [CPB+15, SSO+14, PdLC19, KLW10]. **make** [DPADO16]. **mako** [ABM+15]. **Malacosporea** [MJ17]. **Malaysia** [ARR+18, AAZS+15, AZSI+12, SZZSFN+14, SSO+14]. **MALDI** [PSVK+18, PSCFB+18]. **MALDI-TOF** [PSVK+18, PSCFB+18]. **male** [CXK16, DBS12, RhAS+15, VMCM14, ZDWH18]. **malformation** [WBE+17]. **Malformations** [MGM+16]. **malformed** [RHVG+19b]. **Malmberg** [HHO14, WKK12]. **Maltoporin** [YZW+19]. **mammalian** [CGCAH12]. **Man** [FMT+14, RSGB+14]. **management** [ALG15, BPK+17, CHF+12, JMD+18, MSCH14, SMR16, SFF+17]. **mandarin** [KHC+18, SWD+14, TIK+14a, TQW+14]. **Manday** [ABM+15]. **mandelii** [LDEH17]. **mane** [PÅD18]. **Mangifera** [AA10]. **mango** [AA10]. **manifestations** [JJB15]. **manifesting** [AAZS+15]. **Manila** [ACYC10, FBVC16]. **mannan** [TMC+12]. **marbled** [LSC+14, LSA+15, PWHW18b, PWW19, WZL+11, Wen16, WCW+16b]. **marcescens** [CBC+13]. **marginatus** [ALG15, KCD+14, PMP+18, PDdC+14, RBS+16, RSF+17]. **mariculture** [YLX+19a]. **marine** [ADMF15, ACYC10, BWNS+11, GFB+13, GFM+11, GFR+12, HSA17, HY16, JCN+13, JCN+14, JJB15, KPT+11, KRFT14, KCL14, LTC16, LTC17, LHW+15a, MR11, RCD+17, SFU+13, WDM+15]. **marinum** [APP+17, BVG+10, CBW19, CSSWK10, PBW+18, SMF+10, Sla14, SMJ+14]. **marisflavi** [LQL+10]. **maritimum** [BMH+19, CSCCA14, FSG+12, FSV+18, FSB+18c, MMS+16, VFB+12]. **Mark** [GRB+17, GMB+17, CSS+16, MTG+10]. **markedly** [LF18]. **marker** [DCMM13, DBM+14, MNG+18]. **markers** [TDH+10, ZFZ+11]. **marmorata** [PWHW18b, WCW+16b]. **marmoratus** [WZL+11]. **marron** [ABF15]. **Marsupenaeus** [ESA+10, MTK+10]. **Marteiliosis** [GKO+14]. **Masenia** [DAO19]. **masou** [IOO15]. **masquinongy** [Ano12c, KF10b, MF12]. **Mass** [XQS+15, AHB+17, BRMG13, FSC+16, GJM+15, LLC+11, LXL+18, MMG+11, RHZA+16]. **masses** [VPCM19]. **materials** [HH13a]. **matters** [PPK+13]. **mauve** [MLMR16]. **Mawsonascaris** [SDZN19]. **maximus** [HMW11, JCS11, LBF+14, MBB12, QXW14, SODB16, WM19, dOAPLá+17]. **may** [LC17, MBB12, PMH+11, WLX+10]. **Mayer** [FŠK+19]. **MBV** [RDN+12]. **McCulloch** [KRD+17, LLH+14b]. **MCP** [MNG+18]. **MCP43** [FMT+14]. **MCsialec** [ACYC10]. **MDA5** [NSE+17]. **meagre** [EKS+13]. **meal** [MTLP+18b]. **means** [CJB+15]. **measure** [RHS+12]. **measured** [JBO+15]. **measures** [NWMK16, TJR+18]. **mechanism** [WYZ+19, YLX+19b]. **Mechanisms** [ZCQF15, BAMYAH19, DLP+13, JBO+15]. **Medaka** [KTK17]. **media** [MB17, RSF+17, YSV+13]. **mediate** [LC17]. **mediated**

[HJOK11, JOF+19, JYZ+14, KTN+16, LLWL15, MSI+15, XXL+19].
medicated [TNK12, dOAPLá+17]. **medicinal** [AHH16]. **Mediterranean**
[EKS+13, GFB+13, PMP+18, RGMGG+18]. **medium**
[CLW+11, CLT+14, KAESEM13]. **megalocytivirus**
[JKH+17, JJV+15, KHC+18, MNG+18, NSC+15].
Megalocytivirus-infected [JJV+15]. **megalocytiviruses** [GJK+11].
Megalops [BCW+15]. **Mekong** [BAD+12]. **Melaleuca** [BSD+18c, VGI+16].
melamine [PNBK13, PCK+15]. **melanin** [LAN+14]. **Melanized** [BHO+19].
Melanogrammus [JHM+18]. **melanoma** [RhAS+15]. **melanomacrophage**
[PSZ+14]. **melanops** [PSK+12]. **melanopterus** [PC17, RTM+15].
melanotic [RVB13]. **melapterus** [HSGD11]. **melas** [BPF+18]. **Melh**
[YMBE13]. **melleni** [RBAT+17]. **melops** [SRM+18]. **melting** [TCFáS19].
member [UN10]. **members** [GAC10]. **membrane**
[CLWJ13, HGW+19, JSAB+19, KREM14, NNC+18, YHY+16].
membrane-denitrification [JSAB+19]. **membranes** [AI11]. **membras**
[GJVT+11]. **Memoriam** [EW17]. **mercenariae** [RAVC18].
mercenariae-like [RAVC18]. **mercury** [VMCM14]. **merguiensis**
[OLC11, OLC11]. **mesopotamicus** [CMSHS16, VGI+16]. **metabolic**
[OP14, TvWO+16, UKS+18]. **metabolite** [FHZ+16]. **Metabolomic**
[KOI+14, HZJ+19, LRMN17]. **metabolomics** [ZCJ+18]. **Metabronema**
[SBK+13]. **metacercariae** [FŠK+19, MGM+16]. **Metanophrys** [SPP+18].
Metastatic [PC17]. **metazoan** [MS16]. **Methacarn** [FMM+19].
methaemoglobinemia [MMD+12]. **method**
[KKT+18a, KKKA17, MWRSK17, Mor12, PSR+11, VLVS+16].
methodology [PPK+13]. **Methods** [JSJR+18, AGB+19, CBLN13, CMS+17,
EA18, FMT+14, FCM+19, JSJR+19, KJW+17, MTAB15, NJK+17, NCNB18,
PHvdH12, VDH19, WCW16a, XZZ16, ZCCN13, ZCC+15]. **metritis** [BA13].
Mexican [NNCLGC+11]. **Mexico**
[BB11, dJDAVRGM+18, EEMCEGSP16, OGI+18, OCLI+19, RPGCIG17].
meyeni [CDM+16]. **MGB** [LGC+19]. **MH** [YYW+14]. **MHC**
[LLZW14, RBM+16]. **MI03** [KF10b]. **Miamiensis** [LPC+18]. **MIC**
[SEK+16, YVM+14]. **Michigan** [BWB+17, LST+12]. **miconazole** [SSSP18].
microalga [JDRM17]. **microbe** [LKS+13]. **microbial** [JSAB+19].
microbiome [DCZ+17]. **microbiota** [JKL+13, KOB+17, STIG17].
Micrococcus [dJDAVRGM+18]. **Microcotylidae** [TAQ+10]. **microcystin**
[FBK+16]. **microcystin-LR** [FBK+16]. **microcystins** [KPM+11].
microdilution [GCW17, YVM+14]. **microdissection** [WNLF+12].
Microencapsulation [GCNB16]. **microflora** [BT14]. **microparasites**
[BHT+17]. **Micropogonias** [MPM16]. **microporidian** [XLZ+17].
Micropterus [CGAS19, PBBG19, ZLX+19]. **microsatellite** [DCMM13].
Microscopic [SMS+19, BCM+17, LWMT10]. **microscopy** [CGCAH12].
Microsporida [FYO+11]. **Microsporidia** [ATP+16, KSAB+14, PG16].
microsporidian
[ACSB+19, DML+16, DCL+17, MVM+18, MRSC13, MKH+11, ZCC18].

Microsporidians [LRAP17]. **microsporidiosis** [XLZ+17]. **middle** [SMS+10]. **Midichloriaceae** [CSS+16]. **migrating** [BHT+17, JCN+13, JCN+14, KRFT14]. **migratory** [HGH+18]. **Mikrogeophagus** [LFSZ18]. **Miller** [RAM+17]. **Milne** [CG11, NRMS14, SQC+14, ZB12]. **mimic** [LRB+17]. **mimicus** [ZZC+17]. **Minchinia** [RAVC18]. **mineralization** [PC17]. **mineralized** [TPD+19]. **minibicornis** [BLP10]. **Minimal** [TRS19, OM10]. **minimum** [YVM+14]. **minnow** [AHHR+10, CXW+19, JBGP11, MGN+16, WBD+10b]. **minnows** [PPF+12]. **minor** [PJZB19]. **minus** [DT16]. **miR** [FBK+16]. **miR-122-5p** [FBK+16]. **Misgurnus** [ZWL+16]. **Mississippi** [LEM+19]. **Mitchell** [FHD13, PHvdH12, SJT14, SGQ+15]. **Mitchill** [Ano12c, BB11, CBFM16, DGS+14, GRP+15, KF10b, KHLL16, MMD+12, MF12, OEG+13, SAD+12, VBL+16]. **mitochondrial** [CXW+19, YEK+17]. **mitochondrial-targeting** [CXW+19]. **mitten** [DML+16, DCZ+17, DCL+17, FGJ+10, SCS+12, ZB12]. **Mixed** [FSV+14, ESA+10, KBD13]. **model** [CAJD+18, CKvGJB17, EPCSBP18, GFM+11, KSAB+14, MSC+17, NSS+17, RAM+19, SCF+13, SZM+15, SSG+19, VMBGIC19, dOAPLá+17]. **Modelling** [SSA13, Gis18, GCGR13, RHTC19b, SDI+18]. **models** [BVK+16, Buc12, PYSS19]. **modified** [SLKE10]. **modulated** [KPM+11]. **modulates** [FVAVMGE18, GRT12, SPCR+19]. **modulation** [PBC15, BSB+18]. **Moebius** [OBR+14]. **Molecular** [BLL+17, BCM+17, CSS+16, DTM+10, EEMCEGSP16, FMA+19, HCW+16, KYK+12, KDA+18, LYKN18, NSE+17, NYRS12, PLC+19b, PPE+18, RMSH09, SHKF16, SPKS17, SRD+16, YYF+10, ZQB+11, BCL+19, DPTFC10, EAM+13, GAC10, IAR+10, LLC+11, LRB+17, MFS+17, MFES18, OBR+14, PHvdH12, PAZ18, RHZA+16, RCGGM15, SCD19, STIG17, SSO+14, VDH19, VGP+18, YLW+14, ZCC+15]. **molluscan** [MMG+11]. **molluscs** [VGP+18]. **monitored** [BKD17]. **Monitoring** [SNK+19, AGB+19, EWRH13, SFL+16]. **monoclonal** [CCLL16, HLC+15, KJW+17, LCR+10, PSK+13]. **monodon** [RDN+12, CWW+18, DCMM13, DBM+14, FSO+10, JJS+12, MCO11, PSK+13, RDN+12, SMS+10, STS+15, SRSF10]. **Monogenea** [HSHC+16, TAQ+10, YEK+17]. **monogenean** [FHD13, HKG+15, MWS17, PHVM13, TGJCH15, VDO+18b]. **monogeneans** [ANB+19, VDO+18a]. **monophosphate** [VSS17]. **monstrosa** [DRdS+10]. **moray** [BCG+17, CHF+12]. **morbidity** [HCCM12]. **Moreau** [LPVGL+10]. **morhua** [BSWS11, BMGS17, BK12, FvdMF+18, GIW+11, GGGM14, HLHS11, HKD+10, HFKF17, MVM+18, MBB12, OBD10, PG16, RBWR+15, Sam10, ZCP12]. **moribund** [OBR+14, SWE+19]. **moringa** [CHF+12]. **Moritella** [BGG11, ESBE18]. **Morone** [DBS12, SBM+11]. **Moronidae** [RRC+17]. **morphogenesis** [GFS+14, HFT+12, MBT+17]. **Morphological** [BOH+12, PMBM13, RGMGG+18, TPD+19, VMBGIC19, WNMK+16, BC11, SDZN19].

Morphology
[NHM+10, YMBE13, CHWM+19, KSM+17, KOS+10, YLW+14].
morphometric [BC11]. **morphometry** [SMS+18]. **Morphopathological**
[VFB+12]. **morphotypes** [DSLR16]. **mortalities** [AHB+17, GJM+15,
KCD+14, MBB12, NFF+17, RHZA+16, SBM+11, VJWC+18, ZSZF16].
Mortality [ABM+15, CGP+19, DABO+17, SDM+19, SKJ13, SRT+14,
TJB+15, BPF+18, BRMG13, BGC+17, BPK+17, BVT+18, BVL+18,
CRAG+12, DTJ+17, FSC+16, HCCM12, HBB14, HB12, JCN+13, JQK14,
JJV+15, KHLL16, KAF+19, KRFT14, LEM+19, LXL+18, LF16, MLMR16,
MMG+11, MMW+15, NNCLGC+11, PTM+19, RHB+15, SPP+18, SKGE13,
TMC+12, XQS+15, JCN+14]. **MOS** [TMC+12]. **mosquito** [APG+11].
mossambica [MWS17]. **mossambicus**
[AZSSZZ13, NMV+19, TvWO+16, vD14]. **most** [VCOD17]. **motile**
[DSJA18, PAZ18, TALA11]. **motility** [DSSB19]. **moulting** [TTL+16].
mounds [ARL+17]. **mouthrot** [FSV+18]. **moved** [GMN12]. **movements**
[GWM12, TWJP10, WMM+16]. **Mozambique** [DAO19, TvWO+16, vD14].
mRNA [IPW+13, RBM+16, SJSA+14]. **MS** [PSVK+18, ZCJ+18].
Mucoadhesive [dSCBdS+16]. **mucosa** [VMBGIC19]. **Mucosal**
[RBL+11, JSAH+18, PDLW17]. **mucous**
[BGD+17, DPC+10, LDÁM14, PSR+11, PPK+13]. **mucus**
[FMM+19, GBSF12, JSJR+19, MMS+16, PJU+13, SLPB18, VCN+10]. **mud**
[LQY11]. **Müeller** [CDM+16]. **Mugil** [MVWS13, PMBM13]. **mugilid**
[DCG18]. **Müller** [HLHS11]. **mullet** [PMBM13, VPS+14]. **mullets**
[APP+17]. **multi** [LCZ+18, RKK+19]. **multi-drug-resistant** [RKK+19].
multi-organ [LCZ+18]. **Multicentric** [DD15]. **multifactorial** [GTT+17].
multifiliis [AJLK+18, AMRHM18, BSD+18a, CKvGJB17, vGJHS+11,
vGJKR+17, XKBC12, XZZ16, YYW+14]. **Multilocus**
[ACAS14, ISCF+19, NMM+18, RDW18, WMD+18, VJWC+18]. **Multiple**
[OBFR12, TSK+19, VPCM19, AH16, JQK14, ZDWH18]. **Multiplex**
[LGS19, HRL15, LML+13, LFH+11, NMM+18, TSK+19, THW+12, VLVS+16].
multiplication [TKS+18]. **multispecies** [SFF+17]. **multivalent** [ZXW+12].
Multivalvulida [TOK+16]. **multiyear** [GM11]. **Muraena** [CHF+12].
Murray [FHD13, SJT14]. **muscle** [BCBS+13, BHO+19, FGJ+10, GRT12,
LAN+14, LWZ+18, WHR+18, ZDWH18]. **muskellunge**
[Ano12c, KF10b, MF12]. **mussel** [BRL+13, HBH+19]. **mussels** [GKO+14].
Mustelus [MS16]. **mutagenesis** [MSG+18]. **mutants**
[EAN+18, GTGCM19, HBVB16, OFA11, VSS17, WBF+10]. **Mya** [MMD16].
Mycobacteria [KZJ+17, SKB10, MSK+12, NHM+10]. **Mycobacterial**
[DIH+16, FSV+14, PSS17, ZHFC11]. **Mycobacteriosis**
[APP+17, AFA+12, ACM+14, CDW17, CSSWK10, EDSL11, FFLC17,
LRC+18, ONGQ+14, SFF+17, VPS+14, ZCP12]. **Mycobacterium**
[APP+17, ACM+14, BVG+10, CBW19, CSSWK10, JK12, LRC+18,
PBW+18, RFA+14, SMF+10, Sla14, SMJ+14, ZNHC11a, ZNHC11b].
mycoides [OSAA18]. **mycosis** [ŘKH18]. **myeloperoxidase**

[BSSB18, YK13]. **Myers** [LFSZ18]. **mykiss** [ASA10, ASHZ+12, AOAH13, AHHR+10, AJLC+16, ABT+14, AA10, AMA11, BSW17, BSPS+18, BCLM+19, BHA+11, BE19, BA14, BLFC12, CSS+16, CHAB10, CMH+17, CPB+15, CLS+15, DS10, DPTFC10, DPTCF10, DMP10, DJR+19, DdRTM13, DdRCP13, DPADO16, DSJA18, DT16, GCNB16, GTH11, GPFGAG19, GDW+15, GMC+16b, HKBD15a, HKBD15b, HJN+19, JKL+13, JDH+18, JML19, vGJHS+11, vGJKR+17, KSM+17, LPA+10, LLS+11, MBOC19, MNF+15, MSC+17, MCSM17, MLEM16, MTLP+18b, NOV+11, NDA10, OP14, OBFR12, OBD+11, OSAA18, OLT+10, PDLW17, PSBG+11, PLCC11, QPB+16, RSB13, ŘKH16, RCGGM15, RHB+15, SHJ+12, SPCR+19, SCR+15, SKJ13, SON+18, VSS17, XKB12, YDO+16]. **Myliobatiformes** [BB11]. **myocardial** [WNLF+12]. **myocarditis** [BWNS+11, JNS+19, SRM+18, SNK+19, TB12, TCM+19, WNSAL12, WNAF+13, WNAJ+16]. **myonecrosis** [HMV+17, YLSW14]. **myopathy** [BMT+15]. **Mytilus** [BRL+13]. **myxidiosis** [MBD16]. **Myxobolidae** [LRB+17, RKPG16, SGQ+15]. **Myxobolus** [FCJH19, HAP+10, ME12, MKKM15, SBW+18, SGQ+15, YLW+14, YYF+10, ZWLG10, ZYW+10]. **myxoma** [KHS11]. **myxosporea** [YLW+14, CB13, ERÁpSB14, JNN+11, LJHG14, LXL+18, RRC+17, SGQ+15, SSJ+19, YMBE13]. **myxosporean** [KOI+14]. **Myxozoa** [MJ17, ATP+16, CB13, ERÁpSB14, JNN+11, KAESEM13, LXL+18, MSBB+16, ME12, SSJ+19, TOK+16, YMBE13]. **myxozoan** [EPCSBP18, SBW+18]. **myxozoans** [DCG18]. **Myxus** [MVWS13]. **Myzobdella** [PBBG19].

n [LJHG14, RRC+17, SDZN19, YMBE13, ZWLG10, dSdAdS+19]. **naïve** [BMK17]. **namaycush** [CMR+16]. **nanobubbles** [ITKH18]. **Nanoemulsion** [VDO+18a, VDO+18b]. **nanoencapsulated** [BSD+18c]. **nanoparticles** [ASHZ+12, dSCBdS+16, LLDL13, SSHEM11]. **Nanophyetus** [STF+15]. **National** [HGPD11, HOHG13, NSC+15]. **native** [ÇOÇ+16, GOM+19, MKKM15, RBR19, SLPB18]. **native-subunit** [ÇOÇ+16]. **nattectin** [LSA+15]. **nattereri** [EDSL11]. **Natural** [ATP+17, BFFA+12, BLdA+18, BRB+12, BHO+19, CCME16, CCMA+17, DMB+16, EA18, GRF14, KHC+18, KSA+10, LSC+14, MDF+17, OMO+15, SBH+16, SMJ+14]. **naturally** [AOAH13, BSD+18a, DMB+19, FFLC17, HGB+11, SSV+17]. **nauplii** [AHH16, TNK12]. **NB2011** [ZWG+17]. **Neagh** [MFES18]. **nearby** [MKI+15]. **nebulosus** [PHR14]. **necator** [CKJ+14]. **necrosis** [ASHZ+12, AOAH13, BLdA+18, BRMG13, Bin14, BPK+17, BAH+18, CCLGRM+17, CGW+19, CGG+10, DD18, DML+16, ECP+10, EBM+18, FE11, GFS+14, HSC+16, HKD+10, JHW17, JFWH19, JOF+19, JSK+10, JMS13, JJSJ15, KKK+18, KTN+16, KYB+15, KDA+18, KBD13, KWD+16, LASRA+19, LYL+18, LHW+15a, LCZ+18, LGJ19, LJGRI+10, LVADB17, LLL+13, MBOC19, MRN+19, MSI+15, MNM+18, MNM+19, MMH10, MMNL14, NPGA+19, NB10, OTN+12, OKS+13, OOO+11, PMW+10,

PMH+11, PBM+15, RWTB17, RMSH09, SJDC+13, SWD+14, SSO+14, TIK+14a, TDS+19, VCOD17, XJL+19, XJL+15, YHY+16, ZJDL18, ZLN+17, ZDWH18]. **necrosis-induced** [BRMG13]. **necrotic** [DCV+14]. **needle** [TMWV14]. **negative** [THW+12]. **negatively** [BGRB14]. **Nematoda** [MWRSK17, MGH+14, MPM16, RGMGG+18, SDZN19, SBK+13]. **Nematode** [LZGZ16, BA13, DMD+17, FDST16, LFP+11a, LFP+11b, MWRSK17]. **nematodes** [Buc12]. **Nemeczek** [ZWLG10]. **Neobenedenia** [HSHC+16, MSCH14, RBAT+17, TGJCH15]. **Neoceratodus** [SFF+17]. **Neoechinorhynchidae** [OMB+19]. **Neoechinorhynchus** [OMB+19]. **neomycin** [ZCJ+18]. **neon** [SMS+19]. **Neoparamoeba** [CBLN13, CAS+18, CONN10, FGR+12, LTC16, LTC17, MCCN14, NBJ10, WNO+18]. **Neoplasia** [GMP+11, SGR+18, BCW+15, DIVC16, MMMD16, MMD16, RTM+15, SCZM19]. **neoplasm** [BWS+18]. **neoplastic** [HKF+16]. **Neotropical** [VDO+18b]. **Nephroblastoma** [RHSM+18b]. **nephrocalcinosis** [MVWS13]. **nephrolith** [LKT+13]. **nephrolithiasis** [LKT+13]. **Nereididae** [HVVV15]. **nerka** [BLP10, GMC+16a, LGJ19, TVK+19]. **nervous** [BRMG13, Bin14, CGG+10, FYO+11, HKD+10, JHW17, KKK+18, LYL+18, LHW+15a, MRN+19, MSI+15, OTN+12, OKS+13, TDS+19, XJL+19, ZLN+17, JFWH19]. **nested** [AOAH13]. **nested-PCR** [AOAH13]. **net** [TJR+18]. **Netherlands** [HSC+16]. **nettle** [AA10]. **network** [BSV+18]. **networks** [SVY+14]. **neural** [FvdMF+18, SSK17, WKW13]. **neurobehavioural** [SSK17]. **neurological** [SON+18]. **neurophila** [CB13]. **neurophilia** [CXK16, SSK17]. **neurophilus** [SGQ+15]. **neutralization** [CLC+17, GRF14]. **neutralizing** [Ano12c, MF12]. **neutrophil** [JBGP11]. **newborn** [BQP12]. **newly** [AZSSZZ13]. **next** [DWL+17, LMM+16]. **next-generation** [DWL+17, LMM+16]. **Nigella** [MA16]. **nigromaculatus** [BCT+17, GPWF19, SMS+19]. **Niimi** [LML12]. **Nile** [ACLP+19, ATP+17, AdOG+17, CCHL13, CLLF14, DTJ+17, FLCC+14, LLH+14a, LCZ+18, LLL+18a, MCW+18, NLF11, NYRS12, PYSS19, RHTC19b, RPMRLJ+19, SPKS17, SLKE10, SKGE13, SPS+19, WSA+18, XXL+19, YSHG18, ZKL+19]. **niloticus** [AZSSZZ13, ACLP+19, ATP+17, AdOG+17, CCHL13, CLLF14, CZL+19, DTJ+17, FLCC+14, FKB+14, KAS+18, KTP+15, LLH+14a, LCZ+18, LLX+19, LLL+18a, MCW+18, NLF11, NYRS12, PYSS19, RHTC19b, RPMRLJ+19, SPKS17, SLKE10, SL15, SKGE13, SPS+19, WSA+18, YSHG18, ZKL+19]. **nipponense** [ZSZF16]. **nitrate** [SSSP18]. **nitric** [YK13]. **nitrite** [MMD+12]. **nitrite-induced** [MMD+12]. **nitrogen** [BCW+15]. **NKEF** [BRB+12]. **nkomatiensis** [DAO19]. **NNV** [OTN+12, OKS+13]. **noatunensis** [CDM+13, KBTMH+16, PLC+19b, SKGE13, ATP+17, GIW+11, SPKS17]. **noble** [OSC+14]. **nocardia** [KPK+18, CXW+19, CCM+11, DSMC17, KLD+18, WCL+19]. **nocardiosis** [DSMC17, EKS+13, MYWC18]. **noctiluca** [MLMR16]. **NOD** [ZGY+18]. **noda** [MPJ+15]. **nodavirus**

[FMT+14, HO13, IBFL19, LYKN18, RSGB+14, WCW16a]. **Nodular** [QPB+16, DT16, LvD18, PGF+19]. **Non** [CSCCA14, HO13, LMM+15, BMT+15, CMS+19, DZC+16, DLCF13, DSLR16, FCM+19, GCNB18, GCM+18b, HRL15, HBVB16, LJGRI+10, MSS+17a, MTAB15, RBR19, TALA11, TDLT+16, ZZC+17]. **non-destructive** [BMT+15, CMS+19, LJGRI+10]. **Non-immune-related** [LMM+15]. **non-invasive** [GCNB18]. **non-lethal** [FCM+19, MTAB15]. **non-luminescent** [HBVB16]. **non-motile** [TALA11]. **non-native** [RBR19]. **non-O139** [ZZC+17]. **non-pathogenic** [TDLT+16]. **Non-permissive** [HO13]. **non-probed** [HRL15]. **non-respiratory** [GCM+18b]. **non-rhizoid** [DSLR16]. **non-salmonid** [DLCF13]. **Non-specific** [CSCCA14]. **non-target** [MSS+17a]. **non-virulent** [DZC+16]. **norepinephrine** [DSSB19]. **Normandy** [BVL+18]. **North** [GL18, EEMCEGSP16, RPGCIG17, RBR19, SBH+16, Tre12, DKBS17, EKT+11, KPKP10, KWD+16, VCS+19, VDD+18, WMF14]. **north-east** [RBR19]. **north-west** [SBH+16]. **north-western** [EEMCEGSP16, RPGCIG17]. **Northeast** [STF+15]. **northern** [BB11, BFFA+12, FSM+16, JMS13, KAST17, MIO+18, MMWK19, NJK+17, Řeh13, DIH+16, VCS+19]. **Northwest** [GCS+18]. **northwestern** [BOH+12]. **Norway** [ATP+16, AGR+16, Ano10c, GFO+13, GGMG18b, GMG+19, HKD+10, HST+13, HJT+16, JWO+10, JTW+10, JNN+11, JMS13, KAF+19, MIO+18, MMWK19, NOV+11, SNK+19, TJB+15]. **Norwegian** [ATM+10, HBS+14, JJB15, MJ17, SJK+14, SVY+14, SKJ13, TES16, WNAF+13]. **notata** [OBR+14]. **Notropis** [LRB+17, MGN+16, HAP+10]. **nov** [CPP14, SPV+18, VDH19]. **Nova** [SCD19, DSMC17]. **Novel** [PSR+11, TALA11, BTC+17, BVL+18, CCW+15, CAJD+18, DPMK12, DLLB+18, DXX+15, DKBS17, FFLC17, FNISE12, GFS+14, HHX+15, JKS+13, LDA+19, MFES18, PWW19, PKLH19, PPK+13, RAM+18, RRO+13, RSF+17, SPTDEE+15, VLVS+16, WZL13, WZQ+16, WCW+16b, YSV+13, YLX+19a]. **novemaculeata** [JFWH19]. **NsHLP** [WCL+19]. **nuclear** [DMD+17, TIK+14b]. **nucleophila** [ACSB+19]. **Nucleospora** [ATP+16]. **Nucleotide** [ZGY+18, CPB+15, FCL+19, IBFL19]. **Nucleotide-binding** [ZGY+18]. **number** [ACAS14, GLK+16, HZP+12, RWTB17]. **numbers** [HZP+12, PFC+13, TES16]. **nutans** [HDC18]. **nutrient** [BCLM+19]. **Nutrition** [OT12, JHRW17]. **nutritional** [HWO+17]. **NW** [DIVC16, RAVC18]. **Nyeri** [MNM+19]. **NZ** [BMH+19]. **NZ-RLO** [BMH+19].

O1 [SON+18, ZZC+17]. **O1/** [ZZC+17]. **O139** [ZZC+17]. **O2b** [AHTCA+17]. **obese** [TvWO+16]. **Obituary** [WR10]. **object** [GAVC16]. **oblongum** [SAD+12]. **observation** [RSR+18]. **observations** [ADR11, BQP12, BMA13, SHW+11]. **observe** [GTH11]. **obtained** [AGFG19, JMS13, OGI+18]. **Obtainment** [PVIM18]. **Occurrence** [BCL+19, LKT+13, PGF+19, RAM+18, HMV+17, RSB13, RSF+17].

occurring [ADR11, DMB+19]. **Ocean** [ASW16, CBM+17, BOH+12, CNN+10, STF+15, VCS+19]. **ocellaris** [SBK+15]. **ocellatum** [JK12, MSS+17b, YB17]. **ocellatus** [RHSM+18a]. **Ochroconis** [SAS+19]. **Ocular** [EDSL11, PAM+19, PSS17, CHF+12]. **oedema** [PTM+19, SEM18]. **off** [BA13, BMGS17, SBH+16, SEK+16]. **officinalis** [VDO+18b, ZTF+10]. **offshore** [CNN+10]. **Ogcocephalidae** [LZGZ16]. **oil** [BSD+18c, CLS+15, ELI+17, GMP+11, MA16, VDO+18a]. **oil-adjuvanted** [CLS+15]. **oil-based** [ELI+17]. **oils** [VGI+16]. **old** [WGL17]. **Oldewage** [DAO19]. **oleoresin** [VDO+18b]. **olfactory** [LP17]. **Olifants** [HGPD11, HOHG13, HWO+17]. **oligochaetes** [ME12]. **oligomerization** [ZGY+18]. **oligosaccharides** [TMC+12]. **olivaceus** [HKK+11b, JKC+11, LKS+13, LPC+18, LWZ+18, SSJ+19]. **olive** [HKK+11b, JKC+11, LKS+13, LPC+18, SMD+12, SSJ+19]. **olseni** [FBVC16]. **omp85** [KREM14]. **OmpU** [CLWJ13]. **Onchorynchus** [DMP10]. **Oncorhynchus** [ASA10, ASHZ+12, AOAH13, AHHR+10, AJLC+16, ABT+14, AHTCA+17, AA10, AMA11, BSW17, BSPS+18, BCLM+19, BHT+17, BHA+11, BE19, BA14, BPPKJ10, BLP10, BMH+19, BLFC12, CSS+16, CHAB10, CMH+17, CPB+15, CLS+15, DS10, DWP+19, DPD+18, DPTFC10, DPTCF10, DJR+19, DdRTM13, DdRCP13, DPADO16, DSJA18, DT16, GMC+16a, GCNB16, GBO+18, GTH11, GPFGAG19, GDW+15, GMC+16b, HKBD15a, HKBD15b, HJN+19, IOO15, JKL+13, JDH+18, JML19, vGJHS+11, vGJKR+17, KSM+17, KBE+14, LPA+10, LLS+11, LST+12, LF16, LF18, LGJ19, LWMT10, MBOC19, MNF+15, MSC+17, MCSM17, MLEM16, MTLP+18b, MKKM15, NOV+11, NDA10, OP14, OBFR12, OBD+11, OSAA18, OLT+10, PDLW17, PSBG+11, PLCC11, PMPG+16, PPE+18, QPB+16, RSB13, ŘKH16, RCGGM15, RHB+15, SMJ+12, STF+15, SHJ+12, SPCR+19, SCR+15, SKJ13, SON+18, TVK+19, VSS17, XKB12, YDO+16]. **online** [MPJ+15]. **onset** [GMN12]. **Ontario** [KHLL16]. **ontogeny** [BND+17, FPK+17]. **oomycetes** [SSSP18]. **oophoritis** [BA13]. **opacity** [PAM+19]. **opercular** [BC11, TPD+19]. **operon** [DS10]. **Ophiocephalus** [LL12]. **Oplegnathus** [JJV+15]. **optimal** [RHTC19b, dOAPLá+17]. **Optimization** [CMS+17]. **Optimized** [LGD+17, SCK13]. **Opuntia** [BAH+16]. **Oral** [ASHZ+12, SHJ+12, CMH+17, DPCdR14, FHZ+16, LLDL13, LXHL11, NFA15, SCK13]. **orally** [FHD13]. **orange** [FHZ+16, NNC+18, WCL+12]. **orange-spotted** [FHZ+16, NNC+18, WCL+12]. **orbicularis** [DTM+10]. **ordalii** [AHAMR+19]. **order** [CSS+16]. **Oregon** [JMHK18]. **Oreochromis** [AZSSZZ13, ACLP+19, ATP+17, AdOG+17, BMMC+15, CCHL13, CLLF14, CZL+19, DLPR15, DSLR16, DTJ+17, FLCC+14, FKB+14, ICVV16, KAS+18, KTP+15, KBTMH+16, LLH+14a, LCZ+18, LLX+19, LLL+18a, MCW+18, NMV+19, NLF11, NYRS12, OGI+18, PYSS19, PLC+19b, RHTC19b, RPMRLJ+19, SPKS17, SLKE10, SL15, SKGE13, SPS+19, TvWO+16, VMBGIC19, WSA+18, YSHG18, ZKL+19, vD14]. **ORF25**

[ZWL+14]. **organ** [JJS+12, LCZ+18, OOO+11, PMBM13]. **organic** [DD18, JKL+13, SHS14]. **organism** [BMH+19, KHLL16, LLS+11, MTG+10, VDHV+16]. **organisms** [GMB+17, GBO+18, RPJ+18]. **organs** [CSS+16, LCZ+18, ZCCN13]. **oriental** [ZSZF16]. **orientalis** [ATP+17, CDM+13, KBTMH+16, PLC+19b, SPKS17, SKGE13]. **origin** [BDD+18, WDM+15]. **originating** [NJK+17]. **origins** [CRS+13, GRG+16]. **ornamental** [CDM+13, CLHGK17, GJK+11, LFSZ18, NSC+15, NHM+10, PRY+18, RHBMM13, dASLS+19, SSO+14, VCR+11, ZZC+17]. **orocutaneous** [DD15]. **Ortholinea** [RRC+17]. **Ortholineidae** [RRC+17]. **orthoreovirus** [GB18, MIO+18, PPE+18, BHO+19, GMG+19, VCS+19, WHR+18]. **orthoreovirus-3** [GMG+19]. **Oscar** [RHSM+18a]. **OsHV** [GVLE16, GCCLRP+13]. **OsHV-1** [GVLE16, GCCLRP+13]. **osmoregulation** [LTC16]. **Osmoregulatory** [PHVM13, LGJ19]. **Osteichthyes** [CZB+11, PMP+18]. **osteosarcoma** [RHSM+18a]. **Ostrea** [BLSG+16, BWP+19b]. **Ostreid** [GVLE16, HPY+13, BVL+18]. **other** [BFFA+12, NB11]. **Outbreak** [BCT+17, GVC+19, LLH+14b, LXL+18, SDJH16, XLZ+17, AZSI+12, ACLP+19, BGRB14, BFFA+12, CGP+19, CCME16, CCMA+17, DYML+18, EMA17, GFB+19, HHC+18, KTP+15, KAF+19, MSS+17b, RBWR+15, SFF+17, TWNB+12, VPP+12, VFB+12, WDM+15, WCL+12, CGAS19]. **Outbreaks** [HKD+10, KRD+17, WZL+11, CWL+17, CRAG+12, FLC+17, HZP+12, HOHG13, JJB15, MHNY18, RDW18, STG+10, SJK+14]. **outcome** [TDT+16]. **Outer** [KREM14, CLWJ13, NNC+18]. **ova** [SWS+16]. **Ovarian** [RAM+17, CZB+11, SdMVS+16]. **ovatus** [LYL+18]. **overexpressing** [SNM+16]. **Overview** [GL18, BW18]. **ovulatory** [GM11]. **oxidase** [BSD+18c, BSD+18a, BSD+18d]. **Oxidative** [BCBS+13, MLER+18, BSD+18a, BSD+18d, PKLH19]. **oxide** [YK13]. **oxolinic** [TNK12]. **Oxyeleotris** [WZL+11]. **oxygen** [MTLP+18b]. **oxyrinchus** [MMD+12, SAD+12, MMD+12, SAD+12]. **oxysporum** [KDP+17]. **oxytetracycline** [FLCC+14, FGJ+10, YVM+14]. **oyster** [BLSG+16, BVL+18, CBM+17, CBM+18, CdAPdC+19, GCCLRP+13, HPY+13, MDC+18]. **oysters** [BVT+18, CBM+18, GVLE16]. **ozonation** [CB13]. **ozone** [ITKH18].

P [AFTEML19, IPW+13, UN10]. **P-1** [UN10]. **P-glycoprotein** [IPW+13]. **p53** [XJL+19]. **Pacific** [STF+15, BTN+18, BVT+18, BVL+18, CDM+13, CLW+13, GVLE16, GGW+11, GCCLRP+13, GCS+18, HLL+12, HCEH16, HGH+16, HPY+13, JQK14, PPE+18, RPGCIG17, WMF14]. **pacinii** [BT14]. **pacu** [CMSHS16, VGI+16]. **Pagellus** [RVB13]. **Pagrus** [EPA+10, KLW10, LJGRI+10]. **pagurus** [SWH+14]. **pAh** [EDP+17]. **pAh-1** [EDP+17]. **pair** [CZL+19, VCOD17]. **Palaemon** [SPTDEE+15]. **Pallas** [WMF14]. **pallasii** [GGW+11, HLL+12, HCEH16]. **Pampus** [LJC+19].

pancerii [TAQ+10]. **Pancreas** [JWO+10, AAUHW15, Ano10c, BMT+15, CJB+15, DMB+19, GBSF12, JTW+10, JJB15, JJM+17, RSP+17, RRG+19, SJK+14, SVY+14, SKJ13, TWNB+12]. **pancreatic** [AOAH13, BAH+18, CGW+19, ECP+10, FE11, JOF+19, JMS13, JJSJ15, KDA+18, KBD13, LASRA+19, LJGRI+10, LVADB17, MNM+18, MMH10, MMNL14, NB10, RMSH09, VCOD17]. **pangasiae** [SPV+18]. **Pangasianodon** [BAD+12, CTK+10, SMV+14, SPV+18, VST+19]. **Pangasius** [PRWG17, SZZSFN+14]. **Pansteatitis** [HWO+17, HOHG13, TvWO+16]. **pansteatitis-affected** [HOHG13]. **pansteatitis-suffering** [TvWO+16]. **Paphies** [RPJ+18]. **papillary** [ONA10]. **papillomatosis** [DWL+17]. **papulosum** [GSBEM15, WBD+10b]. **Parabrachiella** [PMBM13]. **Paracheirodon** [LLG+15, ŘKH17, SMS+19]. **paraffin** [FBL+14, FGR+12]. **paraffin-embedded** [FBL+14, FGR+12]. **parahaemolyticus** [CCLGRM+17, DD18, HXZ+16, ITKH18, KTN+16, KYB+15, LLDL13, LSA+15, LMM+15, LMM+16, ZJR+18]. **parahaemolyticus-infected** [LMM+15, LMM+16]. **Paralichthys** [DBHC17, HKK+11b, JKC+11, LKS+13, LPC+18, LWZ+18, SSJ+19, WWS+11]. **parameters** [SPCR+19, VST+19, WM19, WSA+18, XKB12]. **Paramoeba** [CHB+17, HSA17, WNMK+16]. **Parasite** [MWS17, USM17, ABC+10, BMD+14, BND+17, BCJ13, CBM+17, DAO19, EPCSBP18, FHD13, HHO14, HGH+16, LRB+17, ME12, MKK+11, MLWC11, MPM16, PZL+14, PMP+18, RAVC18, RRC+17, RKPG16, SBW+18, SBD11, SGQ+15, SSK17, TOK+16, WTM14, WNO+18, YMBE13, YYW+14, ZCC18, MJ17]. **Parasites** [SMJ+12, BCM+17, ERÁpSB14, LZGZ16, MS16, MGM+18, VDO+18b]. **Parasitic** [BA13, FŠK+19, AJLK+18, BDD+18, EDN18, GJMH17, vGJKR+17, LTC+14, LTC16, LTC17, SAD+12]. **parasitica** [RDW18, SSSP18, STES14, SWWN+16, TFG19]. **parasiticides** [XZZ16]. **parasitized** [JMHK18]. **parasitizing** [GAC10]. **Parasitosis** [SBK+13]. **Paratelphusa** [MRR+14, RNM+12]. **parauberis** [HKK+11b, LFSZ18, MP18, NLKA16]. **parietalis** [WEPB+18]. **Park** [HGPD11, HOHG13]. **parr** [STES14]. **part** [BTN+18, JMS13]. **partial** [GFS+14, RB15, ZB12]. **parva** [MKK+11]. **parvalbumin** [LSA+15]. **Parvicapsula** [BLP10, JNN+11]. **parvo** [MRR+14]. **parvo-like** [MRR+14]. **parvovirus** [YTL10]. **passage** [OBFR12]. **passages** [STES14]. **passively** [NPGA+19]. **Pasteurella** [EWH+19, RB15]. **Pasteurellosis** [AGR+16]. **Pastinachus** [SDZN19]. **pathogen** [AHITC18, AHAMR+19, BPMI+16, BMA13, DXX+15, DCL+17, DABO+17, EAN+18, EKT+11, FMA+19, FMB+11, KJB11, KPKP10, LITCAH19b, MB17, MSG+18, MFHHG18, Mor12, PKLH19, ŘKH16, RCGGM15, SHW+11, SP15, SMKBP17, VC17, XJL+15, YSV+13, YVM+14, YLX+19a, ZQB+11, ZZA+14]. **pathogen-associated** [RCGGM15]. **Pathogenesis** [MGN+16, MKY+15, ADF14, ICVV16, KOI+14, MAC+15, RSIP+17]. **Pathogenic** [BHA+11, ACAS14, BTN+18, CHH+14, FLVA10, HWM+13, HBH+19, KF10b, KKM+19, LQL+10, LML+13, MS16, MoSMS18, NMM+18,

STIG17, SCS+12, TDLT+16, WZQ+16, YLS+19, ZDWH18]. **Pathogenicity** [EWH+19, TES11, BBP18, FMA+19, HXZ+16, JGI+10, JSJR+19, JLJ16, LQL+10, LQY11, NN11, PLC+19b, ŘKH18, RSPA+18, SSF+17, VTM+14]. **pathogens** [ATJS+18, CGW+19, DSA+12, DAB+12, DYML+18, EKT+11, LFH+11, MDC+18, RAM+18, SHS14, VME+19, WMM17, ZCQF15]. **Pathologic** [ACLP+19, FFLC17]. **pathological** [LAN+14, LF16, PAZ18]. **Pathology** [MLMR16, SQC+14, BWB+17, BTC+17, DDBC+15, FYO+11, GKCC+12, LFP+11a, LFP+11b, MRSC13, SRT+14, WPH+13, WA14, Loh13]. **Pathophysiological** [PCK+15]. **pathway** [JNS+19, WTM14, XJL+19]. **pathways** [LMM+15, LMM+16]. **pattern** [AAZS+15, DBV+13, ZWY+11]. **patterns** [AGFG19, DIVC16, EDN18, ONGQ+14, PHR14, RCGGM15, VDMJ+13, VMBGE17]. **paucus** [ABM+15]. **PCR** [KKT+18b, ATM+10, AOAH13, AdOG+17, AHITC18, BKS+17, BBC+10, BMBS12, CDF+18, CYS17, CDG+14, CZL+19, DPMK12, DCL+17, ECP+10, FSM+16, FSO+10, FGR+12, FSG+12, GJK+11, GTH11, GBSF12, HSA17, HRL15, HGB+11, JKS+13, JNN+11, KJW+12, KBJ+13, KKT+18a, LGS19, LML+13, LGC+19, LLS+11, MMBS10, MCW+18, NLKA16, NMM+18, SKN+16, SS17, SFL+16, TSK+19, TCFáS19, TAC15, YTL10, YGL+18, ZCC+15, ZHFC11, ZFZ+11, vBVLR+16]. **PCR-based** [BMBS12, FSM+16]. **PCR-DNA** [KKT+18a]. **PCRs** [MTAB15]. **PD** [Ano10c, BMT+15, JWO+10, JTW+10, SVY+14, TWNB+12]. **pear** [BAH+16]. **pearlspot** [MRN+19]. **peelii** [SJT14, SJT14]. **Pelagia** [MLMR16]. **peled** [SMS+18, SMS+18]. **Pelletan** [HMDB13]. **pellets** [SNM+16]. **pelvic** [FPK+17]. **penaeid** [BPK+17, CNN+10, HVVV15, SP15, TDLT+16, TDT+16, YTL10, PHW+16]. **Penaeus** [CMEV17a, CMS+17, CMEV17b, CWW+18, DCMM13, DBM+14, EEMCEGSP16, FSO+10, HXZ+16, JJS+12, MCO11, NNCLGC+11, OLC11, PSK+13, RDN+12, SMS+10, STS+15, SRSF10, STG+10, SNM+16, TSK+19, TTL+16]. **Peninsular** [SSO+14]. **Pennsylvania** [SBW+18]. **peptide** [CMH+17, UN10, ZN10]. **peptides** [PMK12]. **Peracetic** [SMFM12]. **Perca** [BGRB14, BGCKF12, CGP+19, KHLL16, OEG+13, PHvdH12, PBM+15, RPM+19, SGQ+15, SKPS16]. **percae** [BGRB14]. **perch** [BGRB14, BGCKF12, CGP+19, FHD13, HBB14, KHLL16, OEG+13, PHvdH12, PBM+15, RPM+19, SGQ+15, SKPS16]. **Perciformes** [EKS+13, LXL+18]. **peregrinum** [PBW+18]. **perennis** [AA10]. **performance** [BWP+19b, LKS+13, LWZ+18, PSCFB+18, PG16]. **period** [OM10, SMS+10]. **peripheral** [WXL16]. **peritoneal** [DRG+17, GSS+10]. **Perkinsus** [CdAPdC+19, FBVC16]. **permanganate** [DBS12]. **permissive** [HO13]. **Peroxide** [MGM+18, ACN12, FVAVMGE18, HKBD15a, HKBD15b]. **Perry** [BCW+15, SBHC18, WZQ+16]. **Persistence** [BMMC+15, GMN12, HCEH16, WIC+19, GFW+10]. **Persistent** [JJSJ15, PWW19, Wen16]. **perspective** [dSCBdS+16]. **perspectives** [Dal18, HWO+17, ZGY+18]. **Peru** [MCSM17]. **perurans** [CONN10, CBLN13, CAS+18, CHB+17, FGR+12, HSA17, LTC16, LTC17,

MCCN14, NBJ10, WNMK+16, WNO+18]. **pet** [KZJ+17, BWM+13]. **pet-shop** [KZJ+17]. **PET/** [BWM+13]. **petechial** [PWW19]. **Peters** [AZSSZZ13, HVVV15, LCOZ10, MWS17, SPLV+15, TvWO+16, vD14]. **pH** [DSA+12, DAB+12, MMNL14]. **Phacoemulsification** [ALG15]. **Phaeochromocytoma** [TIK+14b]. **Phaeophleospora** [ŘKH18]. **phages** [CHV+12]. **pharmaceutical** [AH16]. **pharmacodynamic** [RHTC19b]. **Pharmacokinetic** [RHTC19b, dOAPLá+17, LWJ+16, Sam10]. **Pharmacokinetics** [DdRCP13, DPCdR14, FHZ+16, GSS+10]. **phase** [DJR+19]. **PHB** [HBH+19]. **Phenotype** [VSS17, DPD+18, HBVB16]. **phenotypes** [HRNW15, TALA11]. **Phenotypic** [DLPR15, IAR+10, PAZ18, DMK+19, RVC18, SHO+17, WZA10, ZQB+11]. **Phenotypical** [PKPG15]. **philippica** [YLX+19b]. **philippinarum** [FBVC16]. **Philometra** [SBM+11]. **philometrid** [MPM16]. **Philometridae** [MPM16]. **philppinarum** [ACYC10]. **phocae** [CGCAH12, GCMG+11]. **Phoma** [dSRSHGá+19]. **phospholipase** [ZWG+17]. **phosphotransfer** [BSV+18]. **photobacteriosis** [KPSP+19]. **Photobacterium** [BBP18, CDF+18, CRS+13, HHM+14, HCL+14, KPSP+19, OJRL10, SPS+17]. **Phyllopharyngea** [GJMH17]. **Phyllopteryx** [LYD+15]. **Phylogenetic** [PHvdH12, VC17, CGP+19, NRMS14, NSE+17]. **phylogeny** [BMH+19, GAC10, RRC+17, SCD19, YLW+14, YMBE13]. **physical** [SDI+18]. **Physiological** [CRO+18, MSS+17b]. **physiology** [BLP10, GTGCM19]. **Piaractus** [CMSHS16, FCS+18, VGI+16]. **Picornavirus** [LEM+19]. **Pierre** [HMDB13]. **pigment** [Góm12]. **pike** [Řeh13]. **pikeperch** [BAH+16]. **Pimephales** [JBGP11, MGN+16, PPF+12, WBD+10b]. **Pimphales** [AHHR+10]. **pink** [BPPKJ10, SMJ+12]. **PirA** [NPGA+19, CCLGRM+17, dJDAVRGM+18]. **pirA-** [dJDAVRGM+18]. **PirA-like** [CCLGRM+17]. **piranha** [EDSL11]. **pirB** [dJDAVRGM+18]. **pirB-like** [dJDAVRGM+18]. **Pisces** [ANB+19, MGM+16, VDO+18a]. **Piscichlamydia** [WNGS+17]. **piscicida** [ACAS14, CDM+16, CGAS19, CDF+18, CRS+13, EAN+18, EA18, GPWF19, HCL+14, KPSP+19, OJRL10]. **piscicida-associated** [CDM+16]. **piscicola** [IAR+10]. **piscidin** [ZN10]. **Piscine** [GFO+13, GMC+16a, MMB+15, BBC+10, BWNS+11, GB18, JNS+19, KBTMH+16, MIO+18, PPE+18, TB12, TCM+19, WNSAL12, WNAF+13, BHO+19, GMG+19, SRM+18, SNK+19, VCS+19, WHR+18]. **pisciphila** [ŘKH17, ŘKH18]. **Piscirickettsia** [CRO+18, CIL+17, DRG+17, FCL+19, HBB+15, HKB+16, ISCF+19, LCV+17, MB17, MSG+18, MLRS+17, MFHHG18, MID+19b, OM10, PVIM18, RGD+13, RSIP+17, RSPA+18, RE14, SHO+17, SHKF16, SDR+15, SCR+15, YSV+13, YVM+14]. **Piscirickettsiosis** [RE14, MID+19a, RGD+13, RSIP+17]. **piscium** [CPP14, CPdPP16]. **PKD** [MJ17]. **PKD-parasite** [MJ17]. **placement** [GAC10]. **Placopecten** [BRL+13]. **plague** [KPKP10, SMKBP17, VDHV+16, VDH19]. **plant** [ESA+10, NFA15]. **plant-mixed** [ESA+10]. **plaque** [CCCTA+14]. **plasma**

[FBVC16, FBK+16, MMS+16]. **plasmid** [BLFRCQ10]. **Platax** [DTM+10]. **platensis** [RBH+17]. **platform** [JJS+12, MPJ+15]. **Platyhelminthes** [BB11, YEK+17]. **play** [BPCS19, WLX+10]. **plays** [PJZB19, ZZQ+19]. **plecoglossi** [ZCC18]. **plecoglossicida** [HZJ+19, LXZ+19, ZZA+14, ZWG+17]. **Plecoglossus** [CONN10, FNISE12, KSS+15, ZCC18]. **plerocerci** [BB11]. **Pleuronectiformes** [YMBE13]. **PLGA** [ASHZ+12]. **ploidy** [FFP+14, LAN+14]. **PMCV** [BWNS+11]. **Poecilia** [ADR11, BCM+17, LCOZ10, SPLV+15]. **Poeser** [ADR11]. **Poland** [NJK+17]. **policies** [JMD+18]. **Polish** [BMGS17, MBS+17]. **Pollock** [Dig15, WMF14]. **polluted** [HWO+17]. **poly** [HBH+19, SCS+12, ASHZ+12, OTN+12, OKS+13]. **poly-** [HBH+19, SCS+12]. **polyclonal** [ERÁpSB14]. **Polycystic** [JCS11, RhMV+15, RMAM12]. **Polydora** [CBM+18]. **polydorid** [CBM+17]. **polymerase** [BHT+17, CGG+10, HLP+16, TSS18, THW+12, WSX+18, YEK+17]. **polymicrobic** [CDD+18]. **Polymorphism** [HBB+15, CPB+15]. **polymorphisms** [FCL+19]. **Polynesia** [DTM+10]. **polyomavirus** [WCW+16b]. **Polyphasic** [DLCF13]. **polyphenol** [MDF+17]. **polysaccharide** [ZKL+19]. **polystyrene** [HRNW15]. **polyvalent** [HJN+19]. **pomfret** [CWL+17, LJC+19]. **Pomoxis** [BCT+17, GPWF19, SMS+19]. **pompano** [AZSI+12, LYL+18, WKW13]. **pond** [DML+16, HMV+17, SMS+18, TSK+19]. **pond-reared** [DML+16, HMV+17, SMS+18, TSK+19]. **ponds** [FBS13, MSK+12, RHS+12]. **pool** [LTM+19]. **pooled** [HWM+13]. **pooling** [LTM+19]. **Poorly** [CIA+18]. **population** [BDD+18, DIVC16, EKS+13, HHO14, ISCF+19, LKT+13, LUP+18, MFES18, MVWS13, ONGQ+14, SSL18, VPS+14, YLL+18]. **populations** [AAUHW15, BGCKF12, DBM+14]. **porcupinefish** [SBK+13]. **pORF72** [KJW+17]. **porgy** [EPA+10]. **Porpostoma** [OBR+14]. **Portugal** [BLSG+16]. **Portuguese** [RRC+17]. **Positive** [MSC+17, AJLC+16, BHA+11, LLS+11, LBF+14, STS+15]. **possible** [IFF+15, MLF+10, Tre12, YLSW14]. **post** [DPD+18, ECP+10, EEMCEGSP16, GM11, GDN+16, HBB14, KS19, KAF+19, NB10, RSIP+17, RSPA+18, SPCR+19, SJSA+14]. **post-challenge** [SPCR+19]. **post-hatch** [DPD+18]. **post-larvae** [EEMCEGSP16, KS19]. **post-ovulatory** [GM11]. **post-release** [HBB14]. **post-smolt** [NB10, RSIP+17, RSPA+18]. **post-smolts** [ECP+10, KAF+19]. **post-stocked** [GDN+16]. **pot** [LYD+15]. **pot-bellied** [LYD+15]. **Potamotrygon** [MdOO16]. **Potamotrygonidae** [MdOO16]. **potassium** [DBS12, HCCM12]. **potassium-deficient** [HCCM12]. **Potential** [EKED+17, LLDL13, MKI+15, MSB+19, STIG17, WCR+18, ZJDL18, BE19, CLWJ13, CHH+14, CHV+12, GWM12, LMAKN16, MSS+17a, PJL+12, PSK+12, PMPG+16, RAS+10, SHV+16, SSL18, WDM+15, WMM+16, WXL16, WTM14, WMF14, XZZ16, YTKS19]. **potentially** [MS16].

Potomac [DIH+16, PHR14]. **pouch** [ZZQ+19]. **povidone** [MoSMS18]. **Pox** [WNGS+17]. **poxvirus** [GGMG18b, GTT+17, GCM+18b, LDA+19]. **PP_ExoU** [ZWG+17]. **practical** [BMBS12, HHO14]. **practices** [JR19, MMH+18, RMS+13]. **pRAS1** [BLFRCQ10]. **prawn** [FMT+14, IBFL19, LYKN18, MCO11, NRMS14, ZSZF16]. **prawn-infecting** [IBFL19]. **praziquantel** [BCT+17, FHD13, OMB+19, ZPM+18]. **pre** [BHA+17, GBV+16, GDN+16]. **pre-** [GDN+16]. **pre-analytical** [BHA+17]. **pre-treatment** [GBV+16]. **preadult** [AH16]. **precipitation** [BTC+17]. **precision** [SK15]. **predatory** [TIK+14b]. **predict** [GCGR13]. **Preliminary** [ACN12, BVK+16]. **premises** [NSC+15]. **preparation** [WCW16a]. **preparations** [JBGP11, SGB+16]. **prerecruit** [SWH+14]. **Presence** [BSC+14, GIW+11, MGH+14, VCS+19, AAUHW15, DPTFC10, DPC+10, MMW+15, RDN+12, VCR+11, YLSW14]. **present** [ABVS18, BHT+17]. **presentation** [CGP+19]. **preserves** [FMM+19]. **pressure** [SVY+14]. **presumptive** [LGK+14]. **pretty** [ŘKH18]. **Prevalence** [BWNS+11, HKK+11b, MIO+18, MMWK19, MPS+18, SHO+17, SMS+18, WNSAL12, BND+17, BWB+17, BWP+19b, CXK16, DSJA18, FSM+16, FFP+14, FHFF15, HDWM15, KKK+18, LUP+18, LQY11, MMBS10, MSK+12, PHR14, SBW+18, SMJ+14, ZDWH18]. **prevalent** [BAH+18, GMG+19]. **prevent** [AA10, BMK17, CB13, RHS+12]. **prevented** [SJSA+14]. **prevention** [FMB+11, MUM+19]. **preventive** [SSSP18]. **prevents** [NDA10]. **previously** [GLK+16]. **prickly** [BAH+16]. **primary** [RSB13]. **primer** [CZL+19, GTH11, LGD+17]. **primer/probe** [GTH11]. **primers** [VCOD17, YEK+17]. **Priming** [PHW+16]. **Prince** [MMMD16]. **prior** [GGW+11]. **Pro** [RCGGM15, BSD+18d]. **Pro-inflammatory** [RCGGM15, BSD+18d]. **pro-oxidative** [BSD+18d]. **probe** [GTH11, LGC+19, SMF+10]. **probed** [HRL15]. **probes** [BBC+10, VLVS+16]. **probiotic** [ABF15, BLFC12, DSSB18, GCNB16, LKS+13]. **Probiotics** [NFA15, ASA10, LMC+16]. **problems** [BK12]. **Procambarus** [AMAR18, DXX+15, JPG+19, WXWD15]. **procedure** [AHITC18, HAS+19, LJGRI+10, VCOD17]. **procedures** [HWM+13]. **process** [LTC16]. **processes** [ARL+17]. **produced** [KPM+11, SBK+15, WGL17]. **produces** [CRO+18]. **producing** [RVC18]. **product** [WGL17]. **Production** [CCLL16, FMT+14, KAS+18, BPMI+16, COB+16, DPADO16, ESV+19b, HDWM15, JR19, LAN+14, MCO11, OLC11]. **Production-level** [KAS+18]. **products** [ABF15, BGG11, LKS+13, MMNL14, NFA15, TFG19]. **profile** [BSB+18]. **profiles** [PRSK10, PMK12]. **profiling** [FBVC16, HKB+16, LHW+15b, WCL+12]. **progenitor** [WKW13]. **progeny** [WNSAL12]. **programme** [GCS+18]. **programmes** [BTN+18]. **progression** [VPCM19]. **proinflammatory** [NSE+17]. **projections** [RSR+18]. **Proliferation** [JPG+19, EPCSBP18, RBL+11]. **proliferative** [BSW17, DMD+17, RBF14]. **promelas**

[AHHR+10, JBGP11, MGN+16, PPF+12, WBD+10b]. **propagation** [EYF+19, GSEM13, NMV+19]. **properties** [BGG11, GCMG+11, HOHG13, NWMK16, ZWL+16]. **property** [BSD+18c]. **proposed** [TMWV14]. **Prospective** [GFW+10, JWO+10]. **prospects** [TDJ+10]. **protect** [GCNB16, HBH+19, LLDL13]. **protected** [ARFG13]. **Protection** [LXHL11, SLKE10, AHPR+16, CHV+12, Dal18, JOF+19, JLJ16, LPA+10, MBS+19a, MSC+17, SSV+10, WBF+10]. **Protective** [BGD+17, CGR17, MA16, EDP+17, ESA+10, HCL+14, JJV+15, LLL+18a, WCR+18, YFA+17]. **protects** [BBF+15, CCLGRM+17, CSSWK10, LRC+18, RPMRLJ+19, SNM+16, SRB12, WHR+18]. **Protein** [FBVC16, BRB+12, CXW+19, DJQ+12, DMB+19, DJR+19, FMT+14, KTK17, KREM14, LC17, MTK+10, NRMS14, NNC+18, NMIY14, PLCC11, RRG+19, SCK13, SNM+16, SOGR+19, VSS17, WCW16a, WCL+19, XXL+19, YZW+19, ZWG+18, ZWG+17, ZLN+17, CLWJ13]. **protein-based** [ZWG+18]. **protein-labelled** [KTK17]. **protein-OmpU** [CLWJ13]. **protein-to-lipid** [DMB+19]. **proteins** [GSEM13, GAEK+14, HLC+15, JKC+11, KREM14, LLC+11, LLL+12, LMAKN16, PLCC11, RAS+10, SRSF10, SRD+16, WBF+10]. **proteobacteria** [CMR+16, KMGK+18]. **proteolytic** [SLPB18]. **Proteomic** [PJU+13, GPL+12, TCS19]. **protocol** [LWWS14, SEK+16, YVM+14]. **Protopterus** [RSR+18]. **Prototheca** [JDRM17]. **protothecosis** [JDRM17]. **Protozoa** [SPP+18]. **protozoan** [LPC+18, PZL+14]. **protozoans** [MUM+19]. **Province** [LQY11]. **Provisional** [GCW17]. **Prussian** [LLL+13]. **PRV** [BHO+19, GFO+13, GB18, VCS+19]. **PRV-1** [VCS+19]. **PSD** [MNF+15]. **Pseudambassis** [Góm12]. **pseudobranchicola** [JNN+11]. **Pseudocapillaria** [KWGS19, MWRSK17, MKK+11]. **Pseudocyst** [LTC17]. **Pseudodactylogyrus** [MWS17]. **pseudodispar** [ME12]. **Pseudoloma** [CXK16, SSK17]. **Pseudomonas** [AJLK+18, ARFG13, BSSB18, BSD+18c, GPFGAG19, HZJ+19, LDEH17, LXZ+19, SM14, SBW11, ZZA+14, ZWG+17]. **pseudomycoides** [OSAA18]. **Pseudoplatystoma** [FLC+17]. **Pseudorasbora** [MKK+11]. **Pseudosciaena** [HZJ+19]. **Pseudoterranova** [BK12]. **pseudotuberculosis** [VPS+14]. **psychrophilum** [SBW11, BLFC12, CHV+12, CAJD+18, DMP10, DJR+19, FNISE12, GPL+12, HKBD15a, HKBD15b, HJN+19, HRNW15, JDH+18, JML19, KSS+15, LLC+11, LPCC12, MBS+19a, MBOC19, NN11, NSB+18, NOV+11, OBD+11, PDLW17, PLCC11, PFJ+10, RHB+15, SDWA18, SEK+16, SWE+19, SW11]. **Pterodon** [VDO+18a]. **PTS** [XXL+19]. **puffer** [KOI+14, MKMY10]. **Puffy** [MNF+15]. **pulchella** [MAOS+18]. **pulcher** [ŘKH18]. **pulsed** [TAC15]. **pulsed-field** [TAC15]. **Pulteney** [PDdC+14]. **pumpkinseed** [LDEH17]. **punctatus** [BBF+15, LTC+14, MP18, PRSK10, RKPG16, YSK13, YK13]. **puntazzo** [KPT+11]. **Puntius** [SMD+12]. **Purification** [DLCC+13, CCCTA+14]. **Purified** [RHB+15]. **Purinergic** [BSB+18]. **purposes** [DAB+12]. **purse** [LLZW14]. **Putative** [LSC+14, GCNB16, GSEM13, YK12]. **putitora** [SM14]. **putrefaciens**

[CDD+18, EMA17, MP18, PKPG15]. **Pygidiopsis** [BCM+17]. **Pygocentrus** [EDSL11].

qPCR [AGB+19, GCNB18, GM10, GDN+16, OBD+11, VLVS+16, VCOD17]. **qPCR-based** [GCNB18]. **qRT** [ECP+10]. **qRT-PCR** [ECP+10]. **Quality** [TWNB+12, MoSMS18]. **Quantification** [OBD+11, BKS+17, CDF+18, FSO+10, GCNB18, LGC+19, PPK+13, TCFáS19, VCOD17]. **quantifying** [PSR+11]. **quantitation** [NLKA16]. **Quantitative** [LLS+11, NSC+18, NWMK16, NOST+16, SSJ+19, BHT+17, CMEV17b, EAM+13, FGR+12, FSG+12, JBO+15, LGC+19, SS17, SFL+16, TSS18, VST+19]. **quarantine** [NSC+15, RHS+12]. **quaternary** [MoSMS18]. **Queensland** [BFFA+12, BDB+18, CBH+15, DDBC+15, Dig13, Dig15, OLC11, Pol15]. **quelen** [CCMA+17]. **quenching** [DSSB18]. **quinolones** [HBB+15]. **quinqueradiata** [MFS+17, YYF+10]. **Quinsam** [BPPKJ10]. **Quorum** [NDA+19, DSSB18, HBVB16, ZCQF15]. **Quoy** [CCMA+17, PC17, WCW+16b].

r [FMT+14]. **r-MCP43** [FMT+14]. **rabbitfish** [DRdS+10]. **Rachycentron** [CLL+10, HCL+14, HSHC+16, PSS17, SPS+17, TWYC15]. **Radiological** [FvdMF+18, RHST+16]. **Rafinesque** [AHHR+10, BBF+15, BMA13, DWL+17, HAP+10, JBGP11, LTC+14, LL11, LRB+17, LDEH17, MGN+16, PPF+12, PRSK10, RKPG16, YSK13, YK13]. **Rainbow** [DJR+19, vGJKR+17, ASA10, ASHZ+12, AOAH13, AHHR+10, AHPR+16, AJLC+16, ABT+14, AA10, AMA11, BSW17, BSPS+18, BCLM+19, BKD17, BHA+11, BE19, BA14, BLFC12, BAH+18, CSS+16, CGW+19, CHAB10, CKJ+14, CMH+17, CAJD+18, CPB+15, CLS+15, DS10, DPTFC10, DPTCF10, DMP10, DSSB18, DSSB19, DdRTM13, DdRCP13, DPADO16, DSJA18, DT16, GRB+17, GMB+17, GCNB16, GPFGAG19, GDW+15, GMC+16b, HKBD15a, HKBD15b, HJN+19, JKL+13, JAJC+18, JDH+18, JML19, vGJHS+11, KSM+17, LPA+10, LP17, LLS+11, MBOC19, MNF+15, MSC+17, MCSM17, MHNY18, Mor12, MTLP+18b, MNM+18, MNM+19, NB11, NOV+11, NDA10, OP14, OLVJ+13, OBFR12, OBD+11, OSAA18, OLT+10, PDLW17, PMW+10, PMH+11, PSBG+11, PLCC11, QPB+16, RSB13, ŘKH16, RCGGM15, RBL+11, RHB+15, SHJ+12, SPCR+19, SCR+15, SON+18, SSC17, VSS17, XKB12, YDO+16]. **raised** [AdOG+17, KTP+15, SBM+11]. **Ralstonia** [HBH+19]. **ram** [LFSZ18]. **ramirezi** [LFSZ18]. **ranavirus** [GJM+15, KRD+17]. **ranaviruses** [VCR+11, WBD10a]. **ranched** [SFU+13]. **Randomized** [BSBH10]. **ranga** [Góm12]. **range** [BMBS12, BGD+17, KF10a]. **ranges** [LHW+15a]. **Ranzani** [BCG+17, CHF+12]. **RAPD** [DBM+14]. **RAPD-SCAR** [DBM+14]. **Raphidascarididae** [RGMGG+18]. **Rapid** [ASSP+15, CCHL13, HJOK11, KKT+18b, LFH+11, SEM18, WSX+18, WKK12, ZFZ+11, ZLN+17, CDF+18, CZB+11, HH13b, KPSP+19, KKT+18a, LDÁM14, LXX+17, MSI+15, YWW+19, YLX+19a]. **rare**

[GKO+14]. **rate** [VDHV+16]. **rates** [MPS+18, OP14]. **Rathbun** [FSM+16]. **ratio** [DMB+19]. **Ratzeburg** [RFA+14]. **raw** [TWNB+12]. **ray** [BB11, BCJ13, VPCM19]. **rays** [BDB+18]. **razor** [PDdC+14]. **rDNA** [ZFZ+11]. **re** [BSW17, PFC+13]. **re-exposure** [BSW17]. **re-infection** [PFC+13]. **reaction** [BHT+17, BTC+17, TSS18, THW+12, YEK+17]. **reactions** [ESV+19b, GGGM14]. **reactor** [JSAB+19]. **Real** [HGB+11, JNN+11, ATM+10, AdOG+17, BKS+17, BKD17, BMBS12, CDF+18, CDG+14, DCL+17, FSO+10, FGR+12, FSG+12, GJK+11, GTH11, GBSF12, HRL15, JKS+13, KJW+12, KBJ+13, LGC+19, MMBS10, MSI+15, NLKA16, TCFáS19, YTL10, ZHFC11, vBVLR+16]. **Real-time** [HGB+11, JNN+11, ATM+10, AdOG+17, BKS+17, BKD17, BMBS12, CDF+18, CDG+14, DCL+17, FSO+10, FGR+12, FSG+12, GJK+11, GTH11, GBSF12, HRL15, JKS+13, KJW+12, KBJ+13, LGC+19, MMBS10, MSI+15, NLKA16, TCFáS19, YTL10, ZHFC11, vBVLR+16]. **reared** [APP+17, BRMG13, CONN10, DML+16, GTT+17, HMV+17, JWO+10, LHW+15a, MSS+17b, OBR+14, PSS17, PFP+13, RBWR+15, SBP+19, SMS+18, TSK+19, WBE+17, XQS+15]. **rearing** [MUM+19, MPS+18]. **Reassortant** [SODB16, SOA+18, SOGR+19]. **recaptured** [MKI+15]. **recently** [GTT+17]. **receptor** [NYRS12, VSS17]. **receptors** [NSE+17, PRSK10, SHKF16, TQW+14, ZGY+18]. **recirculating** [BTN+18]. **recirculation** [ACM+14, GDW+15, JSAB+19]. **recognized** [GCM+18b]. **recognizing** [YLS+19]. **Recombinant** [CCLGRM+17, CGW+19, EBM+18, FMT+14, vGJKR+17, LMAKN16, MTK+10, WCW16a, YSK13, ZWG+18]. **recombinase** [WSX+18]. **Recommendations** [BTN+18]. **recompressed** [PSK+12]. **record** [BMA13, HHC+18, LRB+17, MCCN14, SPP+18, SFBW+17, ZCC18]. **recovered** [DLCF13]. **Recovery** [BC11, GPWF19, OSC+14, OSAA18, PSK+12, SM14, EA18, MGM+18]. **recruit** [CBM+18]. **recruits** [WOD16]. **recurrent** [VPCM19]. **red** [AMAR18, AZSSZZ13, AI11, CSS+16, DLPR15, DSLR16, EPA+10, EDSL11, GM11, ICVV16, IGLG+17, JKH+17, KKK+18, KHC+18, KLW10, LLZW14, MTG+10, PCK+15, RPMRLJ+19, XJL+19, GRB+17, GMB+17]. **red-bellied** [EDSL11]. **red-mark** [MTG+10]. **red-spotted** [KKK+18, XJL+19]. **redbanded** [LJGRI+10]. **redescription** [ZYW+10]. **Redfin** [PBM+15]. **redspotted** [CGG+10, MRN+19, ZLN+17]. **reduce** [WNO+18]. **reduced** [STF+15]. **reduces** [CBM+17, PFC+13, RHB+15]. **reducing** [SSC17]. **reduction** [LRS+17, QWTL17]. **reductions** [QZZ+18b]. **reef** [BGC+17, CDM+13, PC17]. **refeeding** [CMEV17a]. **references** [HBS+14]. **refined** [NNC+18]. **regalis** [CCM+11]. **Regan** [RhAS+15]. **regardless** [MTLP+18b]. **regime** [LAN+14]. **regimen** [RHTC19b]. **regimes** [BRL+13]. **Region** [AAUHW15, MdOO16, DPMK12, EKED+17, dSdAdS+19, BNS13]. **regions** [HZP+12, TQW+14, CCW+15]. **regius** [EKS+13, TAQ+10]. **regulation** [HGX+19, RBM+16, SJSA+14, VMBGE17, XXL+19]. **reidi**

[DSMC17, LKT+13]. **reinforced** [MKI+15]. **reinhardtii** [CSA+15]. **related** [BCLM+19, COB+16, FVAVMGE18, FSB18a, HST+13, JBO+15, JJS+12, LMM+15, LMM+16, PdLC19, SKJ13, TCC10a, WCW+16b]. **relation** [JHRW17, RAS+10]. **relationship** [LWMT10, SAD+12]. **Relationships** [OLT+10, MKKM15]. **Relative** [SMJ+14, CDG+14, FSO+10, FMH+15, GMC+16b, SSJ+19]. **relatively** [GRP+15]. **release** [HBB14]. **relevant** [PSVK+18, RHB+15, SWD+14]. **Reliability** [HWM+13]. **reliable** [Sla14]. **remarkable** [WGL17]. **remedy** [BE19]. **removal** [LL11]. **renal** [CBFM16, RHSM+18a]. **Renibacterium** [BPMI+16, BAMYAH19, EAM+13, HDWM15, áKÁGA16, LMG+19, PFJ+10, PMPG+16, STF+15]. **reovirus** [DPADO16, FSM+16, GFO+13, GMC+16a, LXHL11, MMB+15, WCR+18, WNSAL12, ZCCN13, ZCC+15, ZWG+18, ZB12, ZSZF16]. **repair** [FvdMF+18]. **repeat** [ACAS14, HZP+12]. **Repeated** [WNO+18, CAS+18, JAJC+18]. **repeats** [HZP+12, JGI+10]. **repellents** [OWM+17]. **repetitive** [CYS17, TAC15]. **repetitive-element** [CYS17]. **replication** [AGB+19, GSBEM15, GGW+11, HLP+16, JQK14, RNM+12, SOGR+19]. **Reply** [Dig15]. **report** [ALG15, ATP+16, BMK17, BRMG13, BO15, BHW+11, CIA+18, CSA+15, DBHC17, EPA+10, FKB+14, GL18, GRB+17, JDRM17, KPK+18, KDP+17, LGK+14, LFSZ18, MdOO16, MVWS13, OOO+11, SPS+17, SdMVS+16, WBE+17, ZxYJ+19]. **reported** [ZWLG10]. **reports** [RBF14, SWE+19]. **representing** [KWD+16]. **reproduction** [SSA13]. **Republic** [PFP+13]. **required** [HGW+19, KZJ+17, NDA+19]. **rerio** [AMRHM18, Bin14, CXK16, CKvGJB17, EDP+17, KWGS19, LHW+12, LHW+15b, MLR+12, MWRSK17, RAM+19, SZM+15, SSK17, ZJR+18]. **research** [MPJ+15, SSK17, TMWV14]. **reservoir** [WMF14]. **reservoirs** [EA18, GB18, MSK+12]. **residence** [SMJ+12]. **resident** [áKÁGA16]. **residual** [TNK12]. **residue** [DdRCP13, DPCdR14]. **residues** [FGJ+10]. **Resistance** [JAR+11, KNN19, MRN+19, AAZS+15, BSW17, CIL+17, CKTT10, CYS17, CPB+15, DMP10, DBM+14, FCL+19, HBS+14, HBB+15, JOF+19, LKS+13, LLZW14, NB11, OLT+10, SMM+13, SWD+14, SPS+19, TCC10a, VST+19, WM19, WSA+18, ZYW+10, ZDWH18]. **resistant** [GTGCM19, GRP+15, LLX+19, LSA+15, OFA11, PBM+15, RKK+19, RHBMM13, ZCJ+18]. **resisting** [WXWD15]. **respectively** [MAOS+18]. **respiratory** [CHAB10, GCM+18b, UKS+18]. **Response** [JCN+14, JSAH+18, MGM+18, ABC+10, BSD+18b, BSB+18, BCBS+13, BAMYAH19, CLGP15, CGR17, CKJ+14, CKvGJB17, CCME16, DPC+10, DMB+16, DJR+19, DCZ+17, ELI+17, EDV+18, FBVC16, GAVC16, HGH+18, HSGD11, HKBD15b, HMW11, HGX+19, HSHC+16, JAJC+18, vGJKR+17, KBD13, LSC+14, LMM+16, LHW+12, LHW+15b, MWS17, NSC+18, NYRS12, PKLH19, PMK12, RBAT+17, RCGGM15, RSPA+18, SSSP18, SPS+19, SJSA+14, TCC10a, TMC+12]. **response-related**

[LMM+16]. **responses**
[Ano12c, BLF+16, BGD+17, Buc12, CRS+13, CSCCA14, FSB18a, HXZ+16, HZX+13, JMF+18, JPG+19, LMC+16, MF12, MSS+17b, NNC+18, PPF+12, QZZ+18b, STS+15, SVL+17, TMM+15, YSHG18, ZZQ+19]. **responsible**
[MHNY18]. **restocking** [VPP+12]. **Restricted** [PMH+11]. **restriction**
[BCLM+19, BLF+16, RHB+15]. **Result** [TDS+19]. **results**
[FBAS16, GRF14, HBS+14, JWO+10, KZJ+17]. **retained** [ABM+15].
retention [BDD+18]. **reticulata** [LCOZ10, SPLV+15]. **retifera** [CHF+12].
retinopathy [DVC+17, GFB+13, NOST+16, VPP+12]. **retrieved**
[VGP+18]. **Retrospective** [CXK16, NB10]. **returning**
[JKO+13, LST+12, MIO+18, MMWK19]. **revealed** [WMD+18]. **reveals**
[BLF+16, EDN18, EPCSBP18, IBFL19, MAC+15, MLWC11, RDW18, RSPA+18, WGL17, XJL+19, ZCJ+18]. **reverse**
[LGD+17, TSS18, YWW+19]. **Revie** [JCN+14]. **review**
[DVC+17, GFS+18, MR11, Rob10, RAS+10, RE14, SAS+19, SMKBP17, WMM17, WBD10a, Dal18]. **revision** [ZWLG10]. **RFLP** [LGD+17].
RGNNV [SOA+18, ZLN+17]. **Rhabdosargus** [SGR+18]. **rhabdovirus**
[AHB+17, BPF+18, BMMP+14, CGP+19, HMP+12, SJDC+13, SDJH16, YMH+11]. **Rhamdia** [CCMA+17]. **rhamnose** [LFD+17]. **Rhinobatos**
[AFA+12]. **Rhinoptera** [BB11, VPCM19]. **Rhinopteridae** [BB11]. **rhizoid**
[DSLR16]. **Rhizoprionodon** [BA13]. **Rhodococcus** [PBMB11].
Rhogostoma [DT16]. **rhombus** [LPVGL+10]. **rhusiopathiae** [CSA+15].
rhusiopathiae- [CSA+15]. **ribavirin** [HLP+16]. **rice** [MRR+14, RNM+12].
rice-field [MRR+14, RNM+12]. **rich** [HBH+19, YFA+17]. **Richardson**
[BA13, CSA+15, HBB14, KSAB+14, MKKM15, XQS+15, ZZA+14].
rickettsia [BMH+19, GBO+18, LLS+11, MTG+10, RPJ+18]. **rickettsia-like**
[BMH+19, GBO+18, LLS+11, MTG+10, RPJ+18]. **Rickettsiales**
[CSS+16, GMB+17]. **Rickettsiales-like** [GMB+17]. **rifampicin**
[GPL+12, OFA11]. **rifampicin-attenuated** [GPL+12].
rifampicin-resistant [OFA11]. **RIG** [NSE+17]. **RIG-I-like** [NSE+17]. **Risk**
[YAHWU11, JMD+18, KAS+18, MKKM15, NSC+15, PPF+12, TRS19, WMM+16]. **Risso** [MKH+11, RVB13, dSRSHGá+19]. **ritteri** [SPTDEE+15].
River [BPPKJ10, JMHK18, SBW+18, ARR+18, MKI+15, ZSZF16, BLP10, DIH+16, HOHG13, HWO+17, áKÁGA16, LEM+19, PHR14]. **rivers**
[LUP+18, MJ17, HGPD11]. **rivulatus** [YCNW18]. **RLO** [BMH+19]. **RLRs**
[NSE+17]. **RMS** [GRB+17]. **RNA** [CGG+10, EDN18, GMN12, HLP+16, HMP+12, KKT+18b, PPE+18, WNSAL12]. **RNA-dependent**
[CGG+10, HLP+16]. **RNAi** [GSBEM15]. **rock** [JJV+15, JLJ16]. **rockfish**
[HKK+11a, PSK+12, ZxYJ+19]. **Rodlet** [SJT14, BDM+18]. **Rodney**
[Rob14a]. **rogercresseyi** [BNS13, FVAVMGE18, GAVC16, GOM+19, HBS+14, MSMM19, MGM+18, VMBGE17, YAHWU11]. **rohita**
[KREM14, SSSP18]. **role**
[BCLM+19, BPCS19, DJQ+12, HGX+19, HOHG13, KSS+15, NFA15, NLC+16, NBJ10, PJZB19, RAS+10, STIG17, TWJP10, WYZ+19, XJL+19].

Roles [MoSMS18, WLX+10, ZZQ+19]. **roretzi** [KOS+10, PZL+14]. **rosenbergii** [FMT+14, HO13, LYKN18, RSGB+14, SPP+18, WCW16a]. **Rosmarinus** [ZTF+10]. **rostrata** [LML12]. **rotiferianus** [ZxYJ+19]. **rotundus** [ZWLG10]. **rough** [HRNW15]. **roughtail** [CBFM16]. **round** [GFB+19]. **route** [SHJ+12]. **routes** [BKD17, CMH+17, DDBC+15, FYO+11, KSA+10]. **rPCR** [LMG+19]. **rpoB** [RB15]. **rpoS** [HGX+19]. **rRNA** [DPMK12, LWWS14, OBR+14, RB15]. **RT** [AGB+19, GBSF12, HGB+11, JKS+13, KKT+18b, LMG+19, SKN+16, VLVS+16, VCOD17, YWW+19]. **RT-LAMP** [YWW+19]. **RT-PCR** [GBSF12, HGB+11, JKS+13, SKN+16]. **RT-PCR-DNA** [KKT+18b]. **RT-qPCR** [AGB+19, VLVS+16, VCOD17]. **RT-rPCR** [LMG+19]. **RTG** [PMW+10]. **RTG-2** [PMW+10]. **RTGE** [DPTCF10, RBL+11]. **rubripes** [KOI+14, MKMY10]. **ruckeri** [ASA10, AHTCA+17, CMH+17, DS10, DSSB18, DSSB19, GTGCM19, GCNB18, GTH11, JKL+13, KSM+17, KJW+12, NCNB18, SON+18, TALA11, TDH+10, WNCR12]. **Ruditapes** [ACYC10, DABO+17, FBVC16]. **Rudolphi** [FŠK+19, MGH+14]. **rudolphii** [DMB+16]. **rufa** [VME+19]. **ruffe** [MGM+16]. **runts** [MGH+14]. **rupestris** [BT14]. **Russia** [DKBS17]. **Russian** [RFA+14]. **ruthenus** [RHSM+18b].

s [ZWLG10, PLCC11]. **S.** [NMIY14, SWWN+16]. **sabinus** [SCZM19]. **sac** [KEY+15]. **sacculitis** [LWMT10]. **Saddleback** [Dig13, FPK+17, Dig15, Pol15]. **Safety** [LML12]. **salar** [ACN12, ACA+16, AAV+16, ASSP+15, Ano10c, ACM+14, BSSH17, BMT+15, BTC+17, BHA+17, BNS13, BSBH10, CBLN13, CJB+15, CRAG+12, DTF+16, DKG+17, DLLB+18, DMB+19, DRG+17, ESBE18, ECP+10, FMM+19, FFP+14, FHFF15, FMH+15, GFO+13, GFS+18, GMC+16a, GSS+10, GGH+10, GAVC16, GCMG+11, GMC+16b, GBSF12, GFR+12, GRT12, GHB+11, GCGR13, HHO14, HSA17, HST+13, IPW+13, IAR+10, JCN+13, JKO+13, JCN+14, JWO+10, JTW+10, JBO+15, JOF+19, JNS+19, JHGR13, JJSJ15, KAF+19, KSA+10, KRFT14, KBD13, KWD+16, LDÁM14, LAN+14, LMG+19, MKI+15, MIO+18, MMWK19, MSMM19, MSG+18, MLMR16, MLER+18, MSBB+16, MLF+10, MRSC13, MAC+15, MID+19b, MID+19a, MSR+10, MGH+14, MMH10, NCNB18, NB10, PdLC19, PBMB11, PHVM13, PPK+13, PPI+13, PÅD18, PJU+13, RB15, RMR14, RSIP+17, SMR10, SMM+13, SHKF16, SFR+17, SAS+19, SFU+13]. **salar** [SG12, STES14, SWWN+16, SWS+16, SKJ13, SSA13, SNK+19, TWNB+12, TJB+15, TCC10a, TES11, TCM+19, Tre12, USM17, VSDS+19a, VDMJ+13, WDM+15, WMM+16, WNLF+12, WNSAL12, WNAF+13, WNMK+16, WNAJ+16, YP17, ZCCN13, ZNHC11a, ZNHC11b]. **Salaria** [VPP+12]. **salaris** [HHO14, HKG+15, KHG+17, PHVM13, WKK12]. **salinities** [NNCLGC+11]. **salinity** [CCHL13, KCL14, LTC17, PST+16, TTL+16]. **Salmincola** [VCLW16, STF+15]. **Salmo** [ACN12, AGFG19, ACA+16, AAV+16, ASSP+15, Ano10c, ACM+14, BSPS+18, BSSH17, BMT+15, BTC+17, BHA+17, BNS13, BSBH10, CBLN13,

CJB+15, CRAG+12, DTF+16, DKG+17, DLLB+18, DMB+19, DRG+17, ESBE18, ECP+10, FMM+19, FFP+14, FHFF15, FMH+15, GFO+13, GFS+18, GMG+19, GMC+16a, GSS+10, GGH+10, GAVC16, GCMG+11, GMC+16b, GBSF12, GFR+12, GRT12, GHB+11, GCGR13, HHO14, HSA17, HST+13, IPW+13, IAR+10, JCN+13, JKO+13, JCN+14, JWO+10, JTW+10, JBO+15, JOF+19, JNS+19, JHGR13, JJSJ15, KAF+19, KSA+10, KRFT14, KBD13, KWD+16, LDÁM14, LAN+14, LMG+19, MKI+15, MIO+18, MMWK19, MSMM19, MSG+18, MLMR16, MLER+18, MSBB+16, MLF+10, MRSC13, MAC+15, MID+19b, MID+19a, MSR+10, MGH+14, MMH10, NCNB18, NB10, OSC+14, PdLC19, PBMB11, PGF+19, PHVM13, PPK+13, PPI+13, PÅD18, PJU+13, RB15, RMR14, RSIP+17, SMR10]. **Salmo** [SMM+13, SHKF16, SFR+17, SAS+19, SFU+13, SG12, STES14, SWWN+16, SWS+16, SKJ13, SSA13, SNK+19, TWNB+12, TJB+15, TCC10a, TES11, TCM+19, Tre12, USM17, VSDS+19a, VDMJ+13, WDM+15, WMM+16, WNLF+12, WNSAL12, WNAF+13, WNMK+16, WNAJ+16, YP17, ZCCN13, ZNHC11a, ZNHC11b]. **salmoides** [CGAS19, PBBG19, ZLX+19]. **Salmon** [CCCTA+14, GTT+17, GCM+18b, LASRA+19, TJA+13, AHH16, AH16, ADF14, ADMF15, ATM+10, ACN12, AAUHW15, ACA+16, AAV+16, ASSP+15, Ano10c, ACM+14, AHTCA+17, BHT+17, BHO+19, BMT+15, BTC+17, BHA+17, BPPKJ10, BLP10, BNS13, BMH+19, BDD+18, BSBH10, CBLN13, CJB+15, CGR17, CHWM+19, CRAG+12, DTF+16, DKG+17, DWP+19, DPD+18, DLLB+18, DMB+19, DRG+17, DPADO16, DYML+18, EYF+19, EDN18, ESBE18, ECP+10, EWRH13, FMM+19, FSB18a, FFP+14, FHFF15, FMH+15, FSV+18, FSB+18c, GL18, GFO+13, GFS+18, GGMG18b, GVB+17b, GBO+18, Gis18, GTH11, GSS+10, GGH+10, GCMG+11, GMC+16b, GFW+10, GBSF12, GFR+12, GRT12, GHB+11, GCGR13, GCS+18, HHO14, HWM+13, HGH+18, HSA17, HST+13, IAR+10, IOO15, JCN+13, JKO+13, JCN+14, JWO+10, JTW+10, JJB15, JMF+18, JBO+15, JOF+19, JNS+19, JR19, JHGR13, JJSJ15, KOB+17, KBE+14]. **salmon** [KAF+19, KHG+17, KSA+10, KRFT14, KBD13, KWD+16, LDÁM14, LAN+14, LMG+19, LDA+19, LST+12, LF16, LF18, LGJ19, LWMT10, MKI+15, MIO+18, MMWK19, MSMM19, MSG+18, MLMR16, MLER+18, MSBB+16, MLF+10, MRSC13, MAC+15, MID+19b, MID+19a, MSR+10, MUM+19, MGH+14, MTHB13, MPS+18, MMH10, NRF+18, NCNB18, NB10, NLC+16, NBJ10, OWM+17, OM10, OBFR12, PdLC19, PBMB11, PHVM13, PPK+13, PPI+13, PÅD18, PJU+13, PMPG+16, PPE+18, RB15, RMR14, RRG+19, RSIP+17, RSPA+18, SMR10, SMJ+12, SMM+13, SFR+17, SAS+19, STF+15, SFU+13, SG12, STES14, SWWN+16, SWS+16, SJK+14, SVY+14, SSA13, SSL18, SNK+19, TWNB+12, TJB+15, TCC10a, TVK+19, TES11, TES16, TCM+19, Tre12, UMMS17, USM17, UKS+18, VSDS+19a, VDMJ+13, VMBGE17, WDM+15, WMM+16, WHR+18, WNLF+12, WNSAL12, WNAF+13, WNMK+16, WNAJ+16, WNGS+17]. **salmon** [WOD16, WNO+18, YP17, ZCCN13, ZCC+15, ZNHC11a, ZNHC11b, BSSH17, GMC+16a, LLLG18, WNGS+17]. **salmonicida**

[BBP18, MLEM16, NLC+16, SWM+15, VSS17, BKS+17, BKD17, BLFRCQ10, BVK+16, DLCF13, EDV+18, GDN+16, GLK+16, HKK+11a, KBJ+13, KBD13, MSC+17, MLEM16, NLC+16, PFJ+10, RVC18, RPM+19, SSHEM11, SSC17, VSS17, VSDS+19a, VDD+18, VC17, YFA+17]. **salmonicola** [MSR+10]. **Salmonid** [Ano10c, JTW+10, BKG+18, BTC+17, CGR17, DLCF13, EBM+18, FGR+12, GB18, GFW+10, GFM+11, GFR+12, GRF14, HDWM15, HFT+12, HST+13, HJT+16, HB12, JJB15, JJM+17, MIO+18, MR11, NSE+17, PSR+11, RSP+17, RSM+18, SJDC+13, SBH+16, SHV+16, SKJ13, TJB+15, WKW+11, WNCR12, YSV+13, YVM+14]. **salmonids** [BSPS+18, BRB+12, CLGP15, CHV+12, GGMG18b, GAC10, JNN+11, áKÁGA16, KKKA17, MMB+15, MJ17, RMSH09, SDWA18, TJA+13, VCS+19, YAHWU11]. **salmoninarum** [BPMI+16, BAMYAH19, EAM+13, HDWM15, áKÁGA16, LMG+19, PFJ+10, PMPG+16, STF+15, TCFáS19, TCS19, YDO+16]. **salmoninarum-infected** [HDWM15]. **salmoniphilum** [ACM+14, RFA+14, ZNHC11a, ZNHC11b]. **salmonis** [FSB18a, WNGS+17, AHH16, AH16, BRL+13, BDD+18, CRO+18, CIL+17, DLLB+18, DRG+17, EDN18, FCL+19, GAC10, GCGR13, HH13b, HBB+15, HKB+16, IPW+13, ISCF+19, JCN+13, JCN+14, JR19, JHGR13, KRFT14, LCV+17, LLG+15, LP17, LGJ19, MB17, MSG+18, MLRS+17, MFHHG18, MID+19b, MUM+19, NRF+18, NLC+16, NBJ10, OWM+17, OM10, PVIM18, PJZB19, PPI+13, PFC+13, RGD+13, RSIP+17, RSPA+18, RE14, SHO+17, SMR10, SMM+13, SMR16, SHKF16, SFU+13, SDR+15, SCR+15, SSA13, USM17, WWE+13, YSV+13, YVM+14]. **salts** [SHS14]. **saltwater** [HCCM12]. **Salvelinus** [CMR+16, DGS+14, SWM+15, WKK12]. **sample** [ZCCN13]. **samples** [CPdPP16, FSG+12, HSA17, LTM+19, TSS18, TVK+19]. **sampling** [FCM+19, MTAB15]. **sand** [LL11]. **Sander** [BAH+16, GRP+15, VBL+16, VKK+19]. **sandwich** [ZLN+17]. **sanguinarine** [LWJ+16]. **sanguineus** [HCW+16, ZWY+11]. **Santa** [CdAPdC+19]. **Santos** [DAO19]. **sapidus** [FSM+16]. **Saprolegnia** [AS17, ASS19, KBE+14, PPF+12, RDW18, SCD19, SSSP18, STES14, SWWN+16, SWS+16, TFG19, TES11, TES16]. **saprolegniasis** [BAH+16]. **saprolegniosis** [AGFG19, GPFGAG19]. **sarana** [SMD+12]. **sarba** [SGR+18]. **sarcoma** [CIA+18]. **sardine** [GMP+11]. **Sardinella** [GMP+11]. **Sardinia** [APP+17]. **Saskatchewan** [SGQ+15]. **sativa** [MA16]. **sativum** [MSCH14]. **saurida** [KSAB+14]. **Sauvage** [BAD+12, CTK+10, SMV+14, SZZSFN+14]. **SAV** [Ano10c, JTW+10, KSA+10, NSE+17, RRG+19, SBH+16]. **SAV2** [HST+13]. **SAV3** [BTC+17, CGR17, JMF+18]. **saxatilis** [DBS12, SBM+11]. **scad** [BHW+11, HHM+14]. **scale** [ASB+12, GKCC+12, SPP+18, SDM+19, ZDWH18]. **scallop** [BRL+13]. **scanning** [BCM+17]. **SCAR** [DBM+14]. **scherzeri** [KHC+18, SWD+14]. **Schistocephalus** [WFH+18]. **Schlegel** [CONN10, FNISE12, GHH+11, HKK+11b, JKC+11, JJV+15, KSS+15, KYK+12, KLW10, LKS+13,

MKK+11, MKMY10, NSS+17, OMO+15, SSJ+19, YYF+10, ZCC18]. **schlegeli** [HKK+11a]. **schlegelii** [LLDL13, ZxYJ+19]. **Schlei** [KAST17]. **Schneider** [CCM+11]. **schubertii** [CLZ+12, LL12, LGC+19]. **Schultz** [LLG+15]. **schwanenfeldii** [ARR+18]. **schwannoma** [MLR+12]. **Sciaenidae** [EKS+13]. **Sciaenocotyle** [TAQ+10]. **Scleropages** [KVC+16]. **Scombridae** [CZB+11]. **scophthalmi** [ERÁpSB14]. **Scophthalmus** [HMW11, LPVGL+10, LBF+14, MBB12, QXW14, SODB16, WM19, dOAPLá+17]. **Scopthalmus** [JCS11]. **Scortum** [KRD+17, LLH+14b]. **Scotia** [SCD19]. **Scotland** [GFR+12, GWM12, MMH10, SMR16, SDI+18, SWE+19]. **Scottish** [MMBS10, MRSC13, WMM+16, WMM17]. **screen** [LPCC12]. **screening** [AHH16, AH16, AS17, ABF15, BLFC12, CMS+19, GSEM13, XZZ16]. **scuticociliate** [OBR+14]. **scuticociliates** [QZZ+18b]. **Scuticociliatida** [SPP+18]. **scuticociliatosis** [LPC+18, MDF+17]. **scuticociliatosis-causing** [LPC+18]. **Scyborskaya** [PB18]. **Scylla** [LQY11]. **Scyphozoa** [PÅD18]. **Sea** [BT13, EWRH13, HGH+18, JKO+13, Kan18, PBC15, PdLC19, RBWR+15, ACSB+19, BRL+13, BC11, BCBS+13, BCW+15, CD17, CKTT10, CB13, DJQ+12, DdRTM13, DPCdR14, FVAVMGE18, FPK+17, GFO+13, GBV+16, GVB+17b, GVB+17a, Gis18, GCGR13, HH13a, HH13b, HBS+14, JMD+18, JWO+10, JKH+17, JHGR13, KPT+11, KJB11, KHC+18, KLW10, LMC+16, LQL+10, LGS+14, MIO+18, MSMM19, MMH+18, MSS+17b, NRF+18, NOST+16, PST+16, PJU+13, PFC+13, RGD+12, RHVG+19b, SMR10, SMM+13, SCF+13, SDI+18, Sam10, SDJH16, SFU+13, SJK+14, SSL18, TPD+19, TMC+12, TNK12, VDMJ+13, VTM+14, WWE+13, WOD16, YAHWU11, AHB+17, GFB+13, GVLE16, LZGZ16, LHW+15a, LXL+18, PMP+18, VPS+14, VDD+18, WMF14]. **sea-caught** [MIO+18]. **sea-ranched** [SFU+13]. **sea-reared** [JWO+10]. **sea-trout** [GFO+13]. **seabass** [FCM+19, GKCC+12, KNN19, RRC+17]. **seabream** [CVLJ+10, CVGR+13, CCME16, LLDL13, LJGRI+10, RVB13, SGR+18]. **seadragon** [LYD+15]. **Seahorse** [QZZ+18b, DSMC17, LYD+15, LKT+13, QWTL17, SBHC18, ZZQ+19]. **seahorses** [BQP12, DCV+14, OBR+14, WZQ+16]. **seal** [BK12]. **Search** [CIL+17]. **Seasonal** [EA18, LFL19, SJK+14]. **Seasonality** [YB17, YMBE13]. **seatrout** [GMG+19]. **seawater** [Ano10c, GTT+17, HRL15, JTW+10, JMF+18, KOB+17, SMJ+12]. **seawater-farmed** [KOB+17]. **seawater-reared** [GTT+17]. **sebae** [BRMG13]. **Sebastes** [HKK+11a, PSK+12, ZxYJ+19]. **Secondary** [JAJC+18, ATJS+18, HFKF17, RSB13]. **secreted** [ZWG+17]. **secretion** [EAN+18, MSG+18, RGD+13]. **secretory** [CXW+19]. **sectional** [AAUHW15]. **seeds** [MA16]. **seeking** [OWM+17]. **segment** [PAM+19]. **Selar** [HHM+14]. **selected** [AAZS+15, BMGS17, DAB+12, EAM+13, EEMCEGSP16, NJK+17, SPCR+19, TvWO+16]. **Selection** [SPS+19, YLS+19, GTGCM19]. **Selective** [BTC+17, CLW+11, CLT+14, SMF+10]. **selenium** [WPH+13]. **semi**

[CMEV17b, STS+15]. **semi-intensive** [STS+15]. **semi-quantitative** [CMEV17b]. **semilaevis** [XJL+15, ZQB+11]. **seminatural** [HKG+15]. **senegalensis** [CVLJ+10, CTD+12, CPP14, CPdPP16, CRS+13, CSCCA14, FBL+14, LVADB17, MMS+16, SOA+18, VFB+12, YB17, dALF+17]. **Senegalese** [CVLJ+10, CTD+12, CRS+13, CSCCA14, FBL+14, LVADB17, MMS+16, YB17, dALF+17]. **senile** [ARL+17]. **sensing** [HBVB16, NDA+19, ZCQF15]. **sensitive** [GCNB18, HJOK11, MMBS10, MSI+15, SMF+10, WOD16, YWW+19, ZLN+17]. **Sensitivity** [AdOG+17, MMH+18, MTAB15, PFP+13, HH13b, ZCJ+18]. **sensory** [FSB18a]. **septemfasciatus** [OTN+12]. **septempunctata** [TOK+16]. **septicaemia** [AHHR+10, AHPR+16, Ano12c, CBC+13, CDM+16, CSA+15, DPADO16, EKED+17, GJVT+11, GFB+19, GGW+11, GVC+19, HLL+12, HGG+11, HPAL10, JKS+13, KKK15, KF10a, KF10b, LVADB17, MMBS10, MF12, MMW+15, NLF11, OEG+13, PBM+15, PJL+12, RMS+13, SHJ+12, SWH+14, SJ11, VLVS+16, VBL+15, VBL+16, WDM+15, WKW+11, ZLX+19]. **septicaemic** [OCLI+19]. **septum** [FFP+14]. **sequence** [FMA+19, ISCF+19, JSK+10, KKM+19, MBS+17, NMM+18, RDW18, VJWC+18, WMD+18, YMH+11]. **sequences** [OBR+14, RB15, TQW+14]. **sequencing** [BFC+15, CGG+10, DWL+17, EDN18, LMM+16]. **sequential** [MBT+17]. **sera** [GRF14, LLL+12]. **Serbian** [RAM+18]. **Seriola** [KHS11, MFS+17, MKH+11, NWMK16, RBAT+17, STIG17, SS17, YYF+10, dSRSHGá+19]. **seriolae** [CXW+19, KLD+18, STIG17, WCL+19]. **seriolicida** [MFS+17]. **sero** [LMAKN16]. **sero-surveillance** [LMAKN16]. **Serodiagnosis** [KKK15]. **Serological** [SDWA18, IAR+10]. **serotype** [AOAH13, AHTCA+17, BAH+18, RB15]. **serotypes** [HKK+11b]. **serovars** [FLVA10]. **Serranidae** [LXL+18, PMP+18]. **Serrasalmidae** [ANB+19, OMB+19, VDO+18b, VDO+18a]. **serrata** [LQY11]. **Serratia** [CBC+13]. **Serum** [BSD+18a, BMT+15, BSD+18d, CLC+17, LWMT10, NN11, PBC15, YK13]. **set** [GTH11]. **seven** [CGCAH12, MTAB15, PMK12]. **sevenband** [OTN+12, OKS+13]. **several** [PPE+18]. **Severe** [KHS11, CZB+11, VFB+12]. **severity** [LLS+11]. **sex** [CXK16, FVAVMGE18]. **sex-related** [FVAVMGE18]. **SGIV** [GHH+11]. **SGPV** [GGMG18b]. **shad** [WBE+17, WEPB+18]. **sharing** [MPJ+15]. **shark** [ABM+15, BA13, CBC+13, CIA+18, HKF+16, JK12, LL11, MCWL13, RBF14]. **sharkminnows** [RTM+15]. **sharks** [BOH+12, PC17]. **sharp** [OAO+12]. **sharp-tooth** [OAO+12]. **sharpnose** [BA13]. **sharpsnout** [KPT+11]. **sharptooth** [HGPD11, HOHG13, TMWV14]. **shasta** [HB12]. **shed** [RRO+13]. **shell** [ARL+17, DABO+17, MMD16, SQC+14]. **shelled** [MMMD16]. **shellfish** [BFJ11, KKK+18, KKM+19, RAS+10]. **shells** [CBM+17, CBM+18]. **Shewanella** [CDD+18, EMA17, JSJR+18, LQL+10, MP18, PPSW19, PKPG15]. **shift** [IFF+15]. **shiner** [HAP+10, LRB+17, MGN+16]. **SHK**

[LASRA+19, SHKF16]. **SHK-1** [LASRA+19, SHKF16]. **shoaling** [SSK17]. **shock** [DJQ+12, RAS+10, SNM+16, WBF+10, ZWY+11]. **shop** [KZJ+17]. **short** [LTC17]. **short-term** [LTC17]. **shortnose** [LGK+14, JMHK18]. **showed** [KBD13]. **shows** [CXK16, VDO+18a]. **shrimp** [APG+11, BPK+17, CCLGRM+17, CNN+10, CMEV17a, CMS+17, CMEV17b, CLW+13, DCMM13, DBM+14, ESA+10, EEMCEGSP16, HVVV15, JQK14, JJS+12, KS19, KKT+18b, KKT+18a, LRD+19, MRR+14, MTK+10, NPGA+19, NSC+18, PSK+13, PHW+16, RPGCIG17, SHS14, SPTDEE+15, SRSF10, SSV+17, SSV+10, STG+10, SP15, SVM+18, TMM+15, TTL+16, TDLT+16, TDT+16, WLX+10, YTL10, YLSW14, YHY+16]. **shrimps** [BTN+18, SHW+11]. **shrinking** [LUP+18]. **shrivelling** [JYZ+14]. **shuberti** [LCZ+18]. **sialic** [ACYC10]. **Siamese** [RhAS+15]. **Siberian** [DKBS17]. **Sickeningly** [LFD+17]. **side** [ELI+17]. **siderophore** [BPMI+16]. **siderophores** [CRO+18]. **sign** [ZDWH18]. **signalling** [BSB+18, LMM+15, LMM+16, XJL+19]. **significance** [SMS+10]. **significant** [MBS+17]. **significantly** [BMD+14]. **signs** [HBB14, HCEH16, SON+18, XJL+15]. **Silurus** [MAOS+18]. **silus** [TB12]. **Silva** [KCL14]. **silver** [BSV+18, BSSB18, BSD+18b, BSD+18a, BSD+18d, CCMA+17, FHD13, KKOY19, KJW+17, LJC+19, WXL16]. **Simple** [LCR+10, MSI+15, YWW+19]. **simplex** [MGH+14]. **simplified** [KKKA17]. **Simulated** [SMR16]. **simulation** [SRD+16]. **Simultaneous** [CRAG+12, TSK+19]. **simultaneously** [KKT+18a]. **sinensis** [ZB12, DML+16, DCZ+17, DCL+17, FGJ+10, HGW+19, SPP+18, SCS+12]. **Singapore** [CWL+17, GHH+11]. **Single** [HH13b, BMMC+15, CLGP15, CPB+15, CZL+19, FCL+19, GM11, LWJ+16, NCNB18, Sam10, VCOD17]. **single-** [GM11]. **Single-dose** [HH13b, Sam10]. **Siniperca** [KHC+18, SWD+14, TIK+14a, TQW+14]. **Siphonostomatoida** [KJB11]. **sirindhornae** [SHW+11]. **site** [ESV+19b, GVLE16, PPK+13]. **sites** [Ano10c, HDWM15, HSA17, JTW+10]. **situ** [ACSB+19, CPEH15, DXX+15, DCL+17, vGJHS+11, MTA+15]. **SJNNV** [SOA+18]. **Skeletal** [AAV+16, ACA+16, BHO+19, BMT+15, GRT12, RHVG+19b, WHR+18]. **skeleton** [DPD+18]. **Skin** [LHW+15b, WA14, CSS+16, HMW11, JBO+15, LJHG14, LHW+12, MNF+15, OLVJ+13, ONA10, PWW19, PPK+13, RSF+17, SSF+17, VCN+10, VDD+18, VKK+19, XKB12, ZxYJ+19]. **skin11f** [VKK+19]. **skyensis** [RB15]. **sleepy** [ATJS+18, WZL+11]. **SLICE(R)** [PPI+13, SMM+13]. **Slovakia** [MKK+11]. **Slovene** [JZK+14]. **Slovenia** [GRB+17]. **small** [WCW16a]. **smallmouth** [SBW+18]. **Smit** [HSGD11]. **smoked** [TWNB+12]. **smolt** [JOF+19, KDA+18, LAN+14, MPS+18, NB10, RSIP+17, RSPA+18, SFR+17]. **smolts** [ECP+10, FSV+18, JCN+13, JCN+14, KAF+19, KRFT14, LGJ19, MLF+10, MID+19a, PBMB11, SFU+13]. **smooth** [HRNW15, MS16, XJL+15]. **smooth-hounds** [MS16]. **snakehead** [CHH+14, CLZ+12, DIH+16, LL12]. **snapper**

[CLWJ13, HCW+16, ZWY+11]. **SNPs** [FCL+19]. **snubnose** [WKW13]. **sobria** [CCMA+17, FCC+13, ZWL+16]. **social** [RSF+17]. **sockeye** [BLP10, LGJ19, GMC+16a, TVK+19]. **sodium** [HHO14]. **soft** [CIA+18, KOS+10, MMMD16, MMD16, PZL+14]. **soft-shell** [MMD16]. **soft-shelled** [MMMD16]. **sole** [CVLJ+10, CTD+12, CPP14, CRS+13, CSCCA14, FBL+14, LVADB17, LPVGL+10, MMS+16, VFB+12, XJL+15, YB17, ZQB+11, dALF+17]. **Solea** [CVLJ+10, CTD+12, CPP14, CPdPP16, CRS+13, CSCCA14, FBL+14, LVADB17, MMS+16, SOA+18, VFB+12, YMBE13, YB17, dALF+17]. **soleae** [BVT+18, LPVGL+10, YMBE13]. **Soleidae** [YMBE13]. **Solen** [PDdC+14]. **solid** [YSV+13]. **solidus** [WFH+18]. **Sommerville** [MRSC13]. **sonophoresis** [LRS+17]. **sorbent** [YLX+19a, ZLN+17]. **Sordariomycetes** [ŘKH16]. **source** [OJRL10]. **sources** [CRO+18]. **South** [HGPD11, HOHG13, HWO+17, BHT+17, GMP+11, BHA+11, CCW+15, Dig13, Dig15, GFB+13, LZGZ16, LHW+15a, LXL+18, MCCN14, Pol15]. **south-east** [GMP+11, CCW+15, Pol15]. **south-western** [BHT+17]. **southeast** [RDN+12, SDM+19]. **southern** [BLSG+16, BMGS17, CNN+10, KYB+15, MSMM19, SRT+14, VDMJ+13, WWS+11, WZL+11, YAHWU11, PRWG17]. **soya** [MTLP+18b]. **sp** [BMMC+15, CHH+14, CPP14, DLPR15, DSLR16, EWH+19, FCS+18, FLC+17, HGH+16, HSHC+16, LCOZ10, LJHG14, MdOO16, MSCH14, MAOS+18, PMBM13, PMP+18, PRY+18, PLC+19b, RRC+17, SBM+11, SDZN19, SPV+18, SBK+13, SBW11, TGJCH15, VMBGIC19, VDH19, YMBE13, ZWLG10, dSdAdS+19, AOAH13, BAH+18, VSS17]. **spaC** [PRY+18]. **spaC-type** [PRY+18]. **spacer** [DPMK12]. **Spain** [BSC+14, DMP10, DIVC16, HGB+11, RAVC18]. **Spanish** [RGMGG+18]. **spartansii** [LF16]. **Sparus** [BC11, CVLJ+10, CVGR+13, CCME16, DdRTM13, DPCdR14, LGS+14, MSS+17b, RHVG+19b, TPD+19]. **spat** [BVL+18]. **Spatial** [SBW+18, PHR14]. **Spatio** [ASB+12]. **Spatio-temporal** [ASB+12]. **spawning** [BPPKJ10, BK12]. **SPB** [WKW13]. **SPE0313** [HGW+19]. **special** [VGI+16]. **species** [ADMF15, ARFG13, BLL+17, BWNS+11, BOH+12, DBV+13, DCG18, DMK+19, DSJA18, FBS13, FBAS16, GCNB16, GFB+13, GOM+19, GFS+14, HY16, HZX+13, IBFL19, JSJR+19, KEY+15, KBTMH+16, KPKP10, KFK+16, KDP+17, LXL+18, ME12, MSB+19, MSS+17a, MKK+11, MPM16, MMW+15, NSS+17, NMM+18, PSVK+18, PSCFB+18, SAS+19, SN14, VMBGE17, VPP+12, VDH19, ZZC+17]. **species-specific** [IBFL19, VMBGE17]. **specific** [ACYC10, CLC+17, CLGP15, CPB+15, CSCCA14, IBFL19, KSS+15, LCR+10, MMBS10, SSV+10, SKN+16, TMM+15, VMBGE17, YGL+18, ZFZ+11]. **specifically** [MLEM16, YLS+19]. **specificity** [AdOG+17]. **spectroscopy** [WNCR12]. **speed** [MTHB13]. **sperm** [VMCM14]. **Sphaerospora** [LXL+18]. **Sphyraena** [GMP+11]. **Sphyrna** [CBC+13, MCWL13]. **Spinal** [GCWB11, CLHGK17, MLF+10, MPS+18]. **spined**

[KFK+16, PJZB19, WFH+18]. **spines** [FvdMF+18]. **spiny** [ZJDL18]. **Spironucleus** [MLWC11]. **Spiroplasma** [DXX+15, HGW+19, LXX+17]. **spirosulcatus** [YYF+10]. **spleen** [BSB+18, BLdA+18, GIW+11, Lek12, LMM+15, LMM+16, RWTB17, SWD+14, SSO+14, TIK+14a]. **splendens** [RhAS+15]. **splendidus** [BT14, MBB12]. **Splenic** [AFA+12, SKPS16, XJL+15]. **Spondylosis** [BCG+17]. **Spontaneous** [MLR+12, RVB13, SMS+19, dSRSHGá+19, CGAS19]. **spore** [TES16]. **spot** [CNN+10, CLW+13, DLCC+13, DZV10, DCZ+17, DCMM13, DBM+14, ESA+10, FSO+10, HVVV15, HZP+12, JQK14, JGI+10, JJS+12, LQY11, MTK+10, NSC+18, PSK+13, RNM+12, RPGCIG17, RDN+12, SMS+10, STS+15, SPTDEE+15, SSV+10, SP15, SVM+18, SRD+16, TMM+15, TSK+19, TTL+16, TDT+16, XKB12, YHY+16]. **spotted** [FHZ+16, KKK+18, NNC+18, SDJH16, WCL+12, XJL+19]. **spp** [BTN+18, BHF13, BGC+17, BBP18, CD17, CdAPdC+19, GJMH17, HVVV15, ICVV16, JSJR+18, KBTMH+16, KFK+16, KKKA17, MS16, NB11, PPSW19, PPE+18, TES11, TES16, XLZ+17]. **Spraguea** [FYO+11]. **Spraguidae** [FYO+11]. **spread** [RHS+12, SJ11]. **spreading** [KAST17, TWJP10]. **spring** [EBM+18, GSBEM15, LDEH17, LFL19, MPBM+16, MGN+16, OCLI+19, SKN+16, XWP+18]. **Sproston** [GAC10, MWS17]. **Squamous** [SHAM14]. **S(R)** [CAS+18]. **sRNA** [MFHHG18]. **sRNAs** [PKLH19]. **ssDNA** [YLS+19]. **ssp** [BBP18, HCL+14]. **SSU** [OBR+14]. **SSVR1601** [ZxYJ+19]. **stability** [SG12, WGL17]. **staff** [EWRH13]. **stage** [FSB18a, MLER+18, WOD16, YK13]. **stages** [AJLK+18, EDN18, HGG+11, JHGR13, LF18, MTA+15, WFH+18, dALF+17]. **standard** [CDG+14, GCW17, LWWS14, SEK+16]. **standardized** [OLVJ+13]. **standards** [LTG+18]. **Staphylococcus** [LHW+12, OAO+12]. **starry** [LZGZ16]. **starvation** [CMEV17a, CZB+11]. **stasis** [GM11]. **state** [FLCC+14, GFS+18, JJM+17]. **states** [SPKS17, SSO+14, CDM+13, GCS+18, PTM+19]. **Statistical** [Gis18]. **status** [BSD+18a, BCBS+13, DSJA18, GJMH17, JOF+19, KSS17, PFJ+10, SMS+10]. **Steatitis** [HGPD11]. **steelhead** [GTH11]. **Steindachner** [CSA+15, KCD+14, SWD+14, SL15]. **stellata** [LZGZ16]. **stellatus** [dSdAdS+19]. **step** [HRL15]. **stickleback** [ASW16, KFK+16, WFH+18, PJZB19]. **stimulates** [LFD+17]. **stimulation** [TQW+14]. **stinger** [MLMR16]. **stinging** [AA10]. **stingray** [CBFM16, CDM+16, SDZN19, SCZM19, MdOO16]. **stock** [BGRB14]. **stocked** [GDN+16, MP18]. **stocking** [KAST17]. **stocks** [AHJS+18, OEG+13]. **storage** [HPAL10]. **stored** [SG12]. **strain** [BVT+18, CMSHS16, DKBS17, GCCLRP+13, GGGM14, ITKH18, KF10b, KTN+16, LZZN10, OEG+13, RVC18, SVM+18, SOGR+19, TB12, VDD+18, WKW+11, YMH+11, ZxYJ+19]. **strains** [BLF+16, CIL+17, CLLF14, CRS+13, dJDAVRGM+18, FDL+17, FCL+19, GCMG+11, GRF14, GRP+15, LCV+17, MBS+19a, MNG+18, OFA11, PKPG15, PFP+13, SWM+15, SOA+18, TFG19, VTM+14, VC17, WZA10, XKBC12, ZZC+17]. **strategies**

[SWWN+16, ZCQF15]. **strategy**
[FLC+17, GCNB18, JMD+18, LTC17, RRO+13]. **strawberry**
[LLS+11, MTG+10]. **Streptocephalus** [SHW+11]. **streptococcosis**
[FLCC+14, LLH+14a, ZTF+10]. **Streptococcus**
[AAZS+15, AZSI+12, AZSSZZ13, ATP+17, BSD+18b, BMMC+15, BYAS+19, BFFA+12, BDB+18, CWL+17, CGCAH12, CLLF14, CZL+19, DDBC+15, DZC+16, EPA+10, GCMG+11, HKK+11b, HJOK11, HZX+13, ICVV16, KNN19, LFSZ18, LLH+14a, LLH+14b, LLX+19, LLL+18a, MP18, MoSMS18, NLF11, NLKA16, NMIY14, NYRS12, OGI+18, SLKE10, SFL+16, SPS+19, TWYC15, VMBGIC19, VJWC+18, WZL13, XXL+19, ZKL+19, ZFZ+11]. **Stress** [GAVC16, CZB+11, DSSB19, MLER+18, PBC15, PKLH19, TMC+12]. **stressed** [CDG+14]. **stresses** [HGX+19]. **stricta** [BAH+16]. **strigosus** [WA14]. **strings** [AHH16]. **striped**
[ABC+10, BVG+10, CB13, SBM+11, SMV+14, VST+19]. **Strong** [HLP+16]. **structural** [LC17, SSV+10]. **structure**
[DPC+10, ISCF+19, LWZ+18, MFS+17, TPD+19, VMCM14]. **structures** [DLP+13, RHVG+19b, RVC18, SMR16]. **structuring** [DJR+19]. **studied** [GAC10]. **Studies** [DSA+12, DAB+12, ELI+17, HMV+17, LQY11, UKS+18, CKJ+14, CLHGK17, CTK+10, GFW+10, GRF14, KF10a, LTG+18, LRMN17, MMS+16, MMD16, MKMY10, RBAT+17, SRD+16, WKW+11]. **Study** [DLLB+18, JMS13, LBF+14, AHJS+18, AOAH13, AAUHW15, ABT+14, BSPS+18, BCM+17, BMGS17, CXK16, CKvGJB17, CGCAH12, DPTFC10, DPTCF10, DIVC16, DZV10, FLVA10, GFM+11, JWO+10, JR19, JHRW17, KPT+11, LVADB17, MVM+18, MCSM17, MID+19a, NB10, QXW14, RHZA+16, RHST+16, RHSM+18b, RHSM+18a, Sam10, SWM+15, SVL+17, SVV+17, VTM+14, VBL+15]. **sturgeon**
[BLL+17, DKBS17, LGK+14, MMD+12, RHSM+18b, RFA+14, SAD+12]. **subclinical** [BSSH17, LMG+19]. **subclinically** [Bin14]. **subinhibitory** [GTGCM19]. **sublethal** [WNO+18]. **subpopulations** [TDLT+16, TDT+16]. **subsequent** [IPW+13]. **subsp** [ATP+17, SPKS17, YFA+17]. **subsp.** [CDM+13, CDF+18, CRS+13, DABO+17, KPSP+19, KBTMH+16, MLEM16, NLC+16, OJRL10, PLC+19b, SWM+15, SPS+17, SKGE13]. **subspecies** [GLK+16, VC17]. **substances** [YFA+17]. **subtractive** [LZZN10]. **subtype** [GL18, GRF14, HST+13, JJB15, RSP+17, RSM+18, TJB+15]. **subtypes** [GFM+11, GFR+12, GLK+16]. **subunit** [ÇOÇ+16, LSA+15, LXHL11]. **success** [ACN12]. **succinicans** [GDW+15]. **sucker** [MGN+16, JMHK18]. **suckers** [BWB+17]. **Sueur** [WKW+11]. **SufB** [PLCC11]. **suffering** [ATJS+18, GRT12, GFS+14, TvWO+16]. **suggest** [GB18, TALA11]. **suggests** [WXL16]. **suicidal** [CLGP15]. **suitability** [NJK+17]. **suitable** [JKS+13, KHG+17, VLVS+16]. **sulfate** [ZCJ+18]. **sulfate-resistant** [ZCJ+18]. **sulfurea** [ŘKH16]. **sulphate** [DBS12]. **sultana** [KAESEM13]. **summary** [JJM+17]. **sunfish** [ALG15, LDEH17]. **sunshine** [DBS12]. **Superior** [HAP+10]. **supernatants** [GM10]. **supplementation** [JKL+13, KSM+17, LKS+13]. **supplements** [AMA11, NFA15]. **support**

[BMBS12]. **supports** [GCS+18]. **suppression** [LZZN10]. **suratensis** [MRN+19]. **surf** [RPJ+18]. **Surface** [GCMG+11, CD17, NMIY14, OBD10]. **surfaces** [HRNW15, PDLW17]. **surfactant** [AJLK+18]. **surgeonfish** [WA14]. **Surgical** [LL11, GM11]. **surveillance** [BTN+18, BMBS12, GWM12, GCS+18, HAS+19, KOS+10, LTM+19, LMAKN16, MMBS10]. **surveilling** [HRL15]. **Survey** [MMG+11, BHT+17, GGMG18b, HSA17, JZK+14, KZJ+17, LUP+18, MSBB+16, MJ17, WDM+15]. **survival** [DMB+19, FFP+14, LTC17, LGS+14, MMS+16, SPCR+19, SFU+13, WYZ+19]. **survived** [WIC+19, WCL+12]. **Susceptibility** [BSK+10, BDD+18, GOM+19, IOO15, NSS+17, RWTB17, XKBC12, CLL+10, CBM+17, DBV+13, DCMM13, GCW17, GMC+16b, GRP+15, GHW+15, HKB+16, JKH+17, KKOY19, KBE+14, ME12, MSS+17a, NSB+18, OEG+13, PWHW18b, PFJ+10, RHTC19b, WWS+11, WKW+11, WKW13, Wen16, XWP+18, XKB12, YNL11, YCNW18]. **susceptible** [GHH+11, IFF+15, KWD+16, RSP+17, TDS+19, UMMS17]. **Suspected** [KVC+16, MSS+12, LXL+18]. **Susquehanna** [SBW+18]. **swabs** [ZCCN13]. **swamp** [AMAR18]. **swamps** [HHC+18]. **Sweet** [LFD+17]. **sweetfish** [KSS+15]. **Swim** [ŘKH18, BMD+14, BCG+17]. **swimbladder** [FDST16]. **swimming** [DSSB19, GMC+16b, HKF+16]. **switch** [CKJ+14]. **SYBR** [TCFáS19]. **Symphodus** [SRM+18]. **Symphysodon** [AFTEML19, RKK+19]. **Syncytial** [FKB+14, KAS+18]. **syndrome** [APG+11, BPK+17, CSS+16, CNN+10, CLW+13, DLCC+13, DZV10, DCZ+17, DCMM13, DBM+14, ESA+10, FSO+10, FPK+17, GFS+18, GKCC+12, HVVV15, HZP+12, HHC+18, JQK14, JYZ+14, JGI+10, JJS+12, KEY+15, KOS+10, LQY11, LWMT10, MTK+10, MTG+10, NSC+18, OOO+11, OAO+12, PZL+14, PSK+13, RNM+12, RPGCIG17, RDN+12, RMR14, SPTDEE+15, SSV+10, SP15, SVM+18, SRD+16, SNK+19, TMM+15, TSK+19, TTL+16, TDT+16, WNLF+12, YHY+16, ZWL+16, GRB+17, GMB+17, GMC+16a]. **syndrome-associated** [JYZ+14]. **syndrome/acute** [BPK+17]. **synergism** [ZN10]. **Synergistic** [LGJ19]. **Syngnathidae** [FFLC17]. **synthase** [PLCC11]. **synthesis** [SRB12]. **system** [AGFG19, ACM+14, CBC+13, DPTFC10, DLLB+18, EAN+18, FYO+11, JJS+12, JSAB+19, áKÁGA16, KDP+17, LP17, MSG+18, PHW+16, XXL+19]. **systematic** [GCS+18, YGL+18]. **Systemic** [CGAS19, CDD+18, EKS+13, NOV+11, RSR+18, RPM+19, CPP14, DLP+13, LCOZ10, PRY+18, TCC10a]. **systems** [BSD+18b, BTN+18, BGD+17, GDW+15, LRS+17, RSB13].

T [BA14, NYRS12, TQW+14]. **T-cell** [NYRS12, TQW+14]. **T.** [LUP+18]. **taeniolatus** [LYD+15]. **Taeniura** [CDM+16]. **tail** [DCV+14, MSC+17, YNL11, ZJDL18]. **tailed** [DD15]. **Taiwan** [CCT+11, CLW+13, PLC+19b]. **Takahashi** [ZCC18]. **Takifugu** [KOI+14, MKMY10]. **tambaqui** [PdSG+12]. **tandem** [ACAS14, HZP+12, JGI+10]. **tank** [GAVC16, PSS17]. **tank-reared** [PSS17]. **tannic** [AMRHM18]. **tapetis** [VDD+18]. **TaqMan**

[FSO+10, LGC+19, BMBS12, FGR+12, JKS+13, ZHFC11]. **Taqman-based** [JKS+13]. **tarda** [CTD+12, COB+16, KTK17, KREM14, LKS+13, LML+13, QXW14, RSR+18, SMV+14, WZA10, ZXW+12]. **target** [MSS+17a]. **targeted** [GWM12, MPJ+15]. **targeting** [CXW+19, HLP+16, vGJKR+17]. **tarpon** [BCW+15]. **Tasmania** [ABC+10]. **Tasmanian** [SN14, ZCCN13, ZCC+15]. **Tasoh** [ARR+18]. **Taura** [APG+11]. **taurus** [LL11]. **Technical** [BHA+17]. **technique** [FNISE12, MTHB13, PSVK+18, TMWV14]. **techniques** [CPdPP16, MFES18, TCS19]. **Telangiectatic** [RHSM+18a]. **teleost** [MYWC18, SdMVS+16, ZGY+18]. **Teleostei** [Lek12, RRC+17]. **teleosts** [BDM+18, SCD19]. **Temminck** [CONN10, FNISE12, GHH+11, HKK+11b, JKC+11, JJV+15, KSS+15, KYK+12, KLW10, LKS+13, MKK+11, MKMY10, NSS+17, OMO+15, SSJ+19, YYF+10, ZCC18]. **Temperature** [VCLW16, AAV+16, ASSP+15, BSPS+18, BPCS19, Bin14, CRBLC+17, DSA+12, EDV+18, FFP+14, GHB+11, HMW11, HZJ+19, IFF+15, JBO+15, JJV+15, KCL14, MPS+18, PMPG+16, SFR+17, SK15, SJK+14, VBL+15]. **temperature-dependent** [ASSP+15, HZJ+19]. **temperature-influenced** [BSPS+18]. **temperature-related** [JBO+15]. **temperatures** [FHFF15, GMN12, JPG+19, RHTC19b, SVL+17, VBL+16]. **Temporal** [PHR14, ASB+12, DIVC16, SBW+18, SVV+17]. **Temporary** [AHPR+16]. **ten** [VTM+14]. **Tenacibaculosis** [MMS+16, FBL+14]. **Tenacibaculum** [AHITC18, BMH+19, BVT+18, CSCCA14, FSG+12, FSV+18, FSB+18c, IGLG+17, KAF+19, LITCAH19b, LPVGL+10, MMS+16, VFB+12]. **tench** [DLP+13]. **tentative** [VDH19]. **tequila** [RAM+17]. **teratoma** [RAM+17]. **term** [DIVC16, KHG+17, LTC17, MSBB+16]. **ternetzi** [SHAM14]. **terraenovae** [BA13]. **territorial** [BCL+19]. **test** [BTC+17, CLC+17, DLLB+18, HWM+13, JWO+10, SEK+16, ZWL+14]. **Testate** [DT16]. **Testicular** [Řeh13]. **testing** [BVK+16, EAM+13, GCW17, HH13b, LTM+19, PPE+18, WGL17]. **tests** [LTG+18, OTN+12, TAC15]. **testudineus** [LJHG14]. **tetra** [BE19, LLG+15, Lek12, ŘKH17, ŘKH18, SHAM14, SMS+19]. **Tetracapsuloides** [BSPS+18, BPPKJ10, JZK+14, KAESEM13, MJ17, Mor12]. **Tetradecylthioacetic** [GRT12]. **Tetrahymena** [LCOZ10, SPLV+15, XZZ16]. **Tetramicra** [SFBW+17]. **tetraspanins** [WLX+10]. **TH0426** [YZW+19]. **Th1** [KBD13, CKJ+14]. **Th1-** [CKJ+14]. **Th1-/** [CKJ+14]. **Th1/Th2/Treg** [KBD13]. **Th2** [KBD13, CKJ+14]. **Th2-like** [CKJ+14]. **Thailand** [BPK+17, DLPR15, KTP+15, KYB+15, SHW+11, SHS14, STG+10, SRT+14]. **thailandensis** [SHW+11]. **their** [AHH16, BCLM+19, CPdPP16, DSSB18, DPC+10, HGH+18, HB12, JGI+10, JSJR+19, KBE+14, NFA15, PPF+12, RAS+10, SWM+15, TSK+19, TQW+14, WNMK+16]. **Thelohanellus** [LJHG14]. **them** [JMD+18]. **theory** [TALA11]. **Theragra** [WMF14]. **therapeutic** [BE19, MSCH14]. **therapy** [FLCC+14]. **thermoadapted**

[RPM+19]. **thermophila** [XZZ16]. **these** [BSD+18a]. **thickening** [DRdS+10]. **thicker** [SWS+16]. **thicklip** [HSGD11]. **Thoracocharax** [dSdAdS+19]. **Three**
[KTK17, WLX+10, ABVS18, KKT+18b, KFK+16, MTHB13, OEG+13, SGB+16, SPKS17, SN14, WFH+18, XKBC12, ZWG+17, PJZB19]. **Three-dimensional** [KTK17]. **three-spined** [KFK+16, WFH+18, PJZB19]. **threespine** [ASW16]. **thromboticans** [WEPB+18]. **throughout** [TWJP10]. **throughput** [BHT+17, LITCAH19b, TCFáS19]. **Thunberg**
[GVLE16, GCCLRP+13, HPY+13, OTN+12, OKS+13]. **Thunnus**
[CZB+11, PSZ+14]. **thymic** [KVC+16]. **thynnus** [CZB+11, PSZ+14]. **thyrsites** [MSBB+16]. **tiburo** [CBC+13, MCWL13]. **tidal** [PHR14]. **tidepool** [SPTDEE+15]. **tigecycline** [CDW17]. **tiger**
[DCMM13, DBM+14, KOI+14, LL11, MKMY10, NDA+19, PSK+13, SRSF10]. **tilapia**
[ARR+18, AZSSZZ13, ACLP+19, ATP+17, AdOG+17, BMMC+15, CMS+19, CCHL13, CLLF14, CZL+19, DLPR15, DSLR16, DTJ+17, FLCC+14, FKB+14, HZX+13, ICVV16, JST+19, KAS+18, KTP+15, KBTMH+16, LLH+14a, LCZ+18, LLX+19, LLL+18a, MCW+18, MNM+18, NMV+19, NLF11, NYRS12, OGI+18, PNBK13, PCK+15, PYSS19, PLC+19b, RHTC19b, RPMRLJ+19, SPKS17, SLKE10, SL15, SKGE13, SFL+16, SPS+19, TSS18, TRS19, TvWO+16, VMBGIC19, VJWC+18, WWZ+18, WSA+18, XXL+19, YSHG18, YTKS19, YLL+18, YWW+19, ZKL+19, ZTF+10, vD14, NFF+17]. **Tilesius** [GM11]. **TiLV** [ARR+18, MCW+18]. **Timah** [ARR+18]. **Time**
[JMF+18, ATM+10, AGB+19, AdOG+17, BKS+17, BKD17, BMBS12, CDF+18, CDG+14, DCL+17, FSO+10, FGR+12, FSG+12, GBV+16, GJK+11, GTH11, GBSF12, HRL15, HGB+11, JKS+13, JNN+11, KJW+12, KBJ+13, LGC+19, MMBS10, MSI+15, MLWC11, NLKA16, SK15, TCFáS19, YTL10, ZHFC11, vBVLR+16]. **time-monitoring** [AGB+19]. **timing** [GVB+17a]. **Tinca** [DLP+13]. **tips** [DCV+14]. **Tissue** [AOAH13, MRR+14, BKS+17, BTC+17, CIA+18, DdRTM13, HSHC+16, LAN+14, LRD+19, LJC+19, MB17, OKS+13, PAM+19, SSV+17, SG12, SFL+16, ZYW+10]. **tissues** [CDF+18, FBL+14, FGR+12, GMB+17, GM10, GGW+11, OBD+11, RNM+12, SSHEM11]. **titration** [CCCTA+14]. **titre** [OKS+13]. **TLR1** [SHKF16]. **TLR2** [ZZQ+19]. **TLR22** [SHKF16]. **TLR5** [QZZ+18b]. **TLR5M** [SHKF16]. **TLR5S** [SHKF16]. **Todd** [JCN+14]. **TOF** [PSVK+18, PSCFB+18]. **tolerance** [CDW17, JHGR13, SW11, WWE+13]. **toll** [PRSK10, SHKF16]. **toll-like** [PRSK10, SHKF16]. **tomentosa** [KWGS19, MWRSK17, MKK+11]. **tomographic** [LTC+14]. **tongue** [XJL+15, ZQB+11]. **tool** [HH13b, Sla14]. **tooth** [OAO+12]. **top** [EAM+13]. **topmouth** [MKK+11]. **Tor** [SM14]. **Toxicity**
[PNBK13, MGF17, PCK+15, SRB12, ZPM+18]. **toxicology** [GHW+15]. **toxicosis** [DGS+14, MSS+12]. **toxin** [CCLGRM+17, NPGA+19]. **toxoid** [SWM+15]. **Toxoplasma** [SZM+15]. **Trachinotus**
[AZSI+12, CWL+17, LYL+18, WKW13]. **Trachurus** [ONGQ+14]. **tracing**

[KDA+18]. **tracking** [EKT+11]. **tract** [ABF15, BT14, BLFC12, MBB12]. **Trade** [RMS+13, CDM+13]. **traded** [AHJS+18]. **trafficked** [ARFG13]. **traits** [KNN19]. **transcribed** [DPMK12]. **transcription** [FVAVMGE18, GRT12, TSS18, YWW+19]. **transcriptional** [LHW+15b, TQW+14]. **transcriptome** [FFLC17, PKLH19, VMBGE17, XJL+19, ZJR+18]. **Transcriptomic** [CRBLC+17]. **transcriptomics** [JBO+15]. **transfection** [CLL+10, WKW13]. **transfer** [BLFRCQ10, JMF+18, RHS+12]. **transform** [WNCR12]. **translationally** [NRMS14]. **transmissible** [GMC+16a]. **Transmission** [AZSSZZ13, BWS+18, CVGR+13, CBW19, FBAS16, HVVV15, HKG+15, SVY+14, AHJS+18, BMK17, FBS13, FYO+11, HGG+11, JNS+19, KS19, KSA+10, MMD16, NLC+16, PMPG+16, RMS+13, SHJ+12, STIG17, SHV+16, SMKBP17, TRS19, WMM+16, WKK12, YTKS19, YLL+18]. **transmit** [WNGS+17]. **transmitting** [CJB+15]. **transport** [SMR16, SVY+14]. **transporter** [OJRL10, WZL13]. **transversum** [FFP+14]. **treat** [ACN12, AMRHM18, LML12]. **treating** [KWGS19]. **Treatment** [LCOZ10, PB18, TNK12, BCT+17, BA14, CDW17, CB13, FVAVMGE18, GBV+16, GVB+17b, HHO14, JML19, KBE+14, MGM+18, MSCH14, RHS+12, RSH11, SMM+13, SFF+17, VGI+16, VME+19, ZTF+10]. **treatments** [BNS13, CDW17, GVB+17a]. **Treg** [KBD13]. **Trematoda** [BCM+17, PMP+18]. **triactinomyxon** [FCJH19]. **trial** [BVK+16, BSBH10, CCH+19]. **tributaries** [BWB+17]. **tributary** [MKKM15]. **Trichodina** [MUM+19]. **Trichosporon** [AMAR18]. **tricolour** [RTM+15]. **trigger** [Bin14]. **triggers** [SJK+14]. **triple** [PPI+13, SFF+17]. **triple-dose** [PPI+13]. **triploid** [ACA+16, AAV+16, GCWB11, LWZ+18, SFR+17]. **triploidy** [FHFF15, FMH+15]. **trophonts** [vGJHS+11]. **trophozoites** [WNMK+16]. **tropical** [VMCM14]. **tropism** [ADF14, ADMF15, SFL+16]. **trout** [ASA10, ASHZ+12, AOAH13, AHHR+10, AHPR+16, AJLC+16, AGFG19, ABT+14, AA10, AMA11, BSW17, BSPS+18, BCLM+19, BKD17, BHA+11, BE19, BA14, BLFC12, BAH+18, CSS+16, CGW+19, CHAB10, CKJ+14, CMH+17, CAJD+18, CPB+15, CMR+16, CLS+15, DS10, DPTFC10, DPTCF10, DMP10, DSSB18, DSSB19, DJR+19, DdRTM13, DdRCP13, DPADO16, DGS+14, DSJA18, DT16, GRB+17, GMB+17, GFO+13, GCNB16, GTH11, GPFGAG19, GDW+15, GMC+16b, HGH+18, HKBD15a, HKBD15b, HJN+19, IOO15, JKL+13, JAJC+18, JDH+18, JML19, vGJHS+11, vGJKR+17, KSM+17, KEY+15, KHG+17, KFK+16, LPA+10, LP17, LUP+18, LLS+11, MBOC19, MNF+15, MSC+17, MCSM17, MHNY18, Mor12, MTLP+18b, MNM+18, MNM+19, MKKM15, NB11, NOV+11, NDA10, OP14, OLVJ+13, OBFR12, OBD+11, OSC+14, OSAA18, OLT+10, PDLW17, PMW+10, PMH+11, PRT+14, PSBG+11, PGF+19, PLCC11, PPE+18, QPB+16]. **trout** [RSB13, ŘKH16, RCGGM15, RBL+11, RHB+15, SHJ+12, SPCR+19,

SCR+15, SVV+17, SON+18, SSC17, VSS17, XKB12, YDO+16]. **trumpeter** [ABC+10, CB13]. **trutta**
[BSPS+18, AGFG19, GFO+13, GMG+19, OSC+14, PGF+19]. **truttae** [MUM+19]. **Trypanorhyncha** [BB11]. **tshawytscha**
[BHT+17, BMH+19, DWP+19, DPD+18, GMC+16a, GBO+18, GTH11, LST+12, LF16, LF18, LWMT10, PMPG+16, STF+15]. **TSV** [APG+11]. **Tu** [PLCC11]. **tubiashii** [DABO+17]. **tumour** [NRMS14, PHR14, Řeh13]. **Tumours** [BWB+17]. **tuna** [CZB+11, PSZ+14]. **Tunic** [KOS+10, PZL+14]. **Tunisia** [YMBE13, YB17]. **Tunisian** [CGG+10]. **turbot** [COB+16, HMW11, JCS11, LBF+14, MBB12, MDF+17, QXW14, SODB16, WM19, dOAPLá+17]. **Turkey** [SDWA18]. **Turkish** [BAH+18]. **turpisrotundus** [ZWLG10]. **tuvira** [VMCM14]. **twin** [LTC+14]. **twins** [ADR11, BQP12]. **Two**
[CdAPdC+19, MS16, XZZ16, YSV+13, BSPS+18, BDM+18, CRS+13, DCG18, FLVA10, GPFGAG19, GFW+10, HKK+11b, HRL15, HLC+15, HSHC+16, LLL+12, MFHHG18, RAM+18, RB15, RTM+15, SQC+14, VDHV+16]. **two-dimensional** [LLL+12]. **two-step** [HRL15]. **type**
[DJR+19, EAN+18, HBVB16, KHC+18, LGS+14, MSG+18, PBC15, PMW+10, PMH+11, PRY+18, VJWC+18, ZWG+17]. **types**
[DLP+13, VCOD17, XKB12]. **typing**
[GLK+16, ISCF+19, RDW18, TCS19, VLVS+16]. **Tyrrhenian** [GFB+13].

U [PMW+10, PMH+11]. **U-type** [PMH+11]. **Uganda** [WMD+18]. **ulcer** [SSF+17, ZxYJ+19]. **ulcerations** [VDD+18]. **Ulcerative**
[RBS+16, HHC+18, KOB+17, KPT+11, KRD+17, SJT14, VFB+12, ZWL+16]. **ultrasonographical** [RHST+16]. **Ultrastructural**
[GMB+17, HFT+12, MBT+17, DCG18, SMS+19]. **ultrastructure**
[CHWM+19, GFS+14, LvD18]. **Ultraviolet** [CB13, HPAL10, MUM+19]. **unaffected** [JOF+19]. **Uncovering** [VMBGE17]. **underlines** [VC17]. **underlying** [JBO+15]. **undescribed** [GLK+16]. **undosquamis** [KSAB+14]. **UNESCO** [GVLE16]. **Unexpected** [HSGD11, LHW+15a]. **United**
[CDM+13, GCS+18, NSB+18, PTM+19]. **units** [HZP+12]. **unusual**
[QXW14, RVC18]. **unusually** [MLWC11]. **Updated** [YLW+14]. **upon**
[TTL+16]. **upper** [LEM+19, SWS+16, WBE+17, HHC+18, JMHK18]. **uptake** [RRO+13, TDLT+16]. **Urtica** [AA10]. **Uruguay** [PAZ18]. **USA**
[CGAS19, FSM+16, MTG+10, PHR14, PBBG19]. **usage**
[HBS+14, MLH+15]. **Use** [AA10, CMEV17b, GCGR13, SMM+13, ABF15, BW18, CHV+12, GTH11, JSJR+18, LTM+19, LLDL13, MVM+18, RSF+17, SVL+17, SFF+17, TMWV14, VBL+15]. **used**
[BNS13, DZV10, VME+19, WDM+15]. **uses** [CRO+18]. **Using**
[BWM+13, SDI+18, ATM+10, ACN12, ASHZ+12, AGFG19, BE19, CMEV17a, CHB+17, DLLB+18, DWL+17, DXX+15, FCM+19, FSV+18, GPFGAG19, GFM+11, ITKH18, JYZ+14, KTN+16, KKT+18b, KKT+18a, KSA+10, LZZN10, LFH+11, LCR+10, LJGRI+10, MSI+15, MID+19a, MUM+19, MTHB13, MTA+15, OWM+17, RBAT+17, SLKE10, TCS19,

VCOD17, WCW16a, WNLF+12, XZZ16, YGL+18, YkSKY13]. **Utilization** [ZYW+10, BWM+13, EKT+11, OJRL10]. **utilizing** [ZFZ+11]. **Uttarakhand** [SM14].

V. [ZZC+17]. **vaccinated** [MSC+17, PBMB11]. **Vaccination** [EDV+18, FMH+15, KBD13, ASHZ+12, ESV+19b, JAJC+18, LAN+14, MBS+19a, MID+19b, NCNB18]. **vaccine** [BVK+16, BSBH10, CLWJ13, CLGP15, CCH+19, CGR17, ÇOÇ+16, CLS+15, DMK+19, ESV+19b, FLC+17, GHB+11, HLL+12, HJN+19, JKC+11, JOF+19, vGJKR+17, LPA+10, LLDL13, LLX+19, LXHL11, MBS+19a, MSC+17, RPMRLJ+19, RSGB+14, SCK13, SLKE10, WHR+18, ZWL+14]. **vaccine-induced** [GHB+11]. **vaccine-mediated** [JOF+19]. **vaccines** [Dal18, ELI+17, NFA15, NNC+18, ZXW+12]. **vacuoles** [LTC16]. **Vagococcus** [TCFáS19, TCS19, YDO+16]. **Vahl** [LZGZ16]. **Valenciennes** [BCW+15, GMP+11, GGW+11, GCWB11, HLL+12, HCEH16, KHS11, LLL+12, LJGRI+10, LXHL11, MVWS13, NWMK16, PMBM13, SS17, XKBC12, YYW+14]. **Validation** [BWZ+17, CLC+17, GM10, LPCC12, BMBS12, ÇOÇ+16, EAM+13, JKS+13, KJW+12, KBJ+13, TSS18, VCOD17, vBVLR+16]. **values** [GCW17, SEK+16]. **valvularis** [WEPB+18]. **vannamei** [BTN+18, CMEV17a, CMS+17, CMEV17b, CLW+13, EEMCEGSP16, HMV+17, HXZ+16, JQK14, KS19, NNCLGC+11, RPGCIG17, SSV+17, STG+10, SNM+16, SVM+18, TMM+15, TSK+19, TTL+16, TDLT+16, TDT+16]. **vapA** [GLK+16]. **Var** [BVL+18, GVLE16]. **variability** [SBW+18, VCS+19]. **variable** [ACAS14, HZP+12, PPF+12]. **variant** [CKTT10, LDA+19, QXW14]. **variants** [BVL+18, HBVB16, MFHHG18, TOK+16]. **Variation** [GBV+16, VDHV+16, DZV10, LTC17, WNAF+13]. **variations** [HBVB16, JJB15, JGI+10]. **various** [BLL+17]. **vary** [GRP+15]. **vascular** [RSB13]. **vector** [MSB+19, NLC+16, SHV+16]. **vein** [ASW16]. **ventral** [DKG+17]. **ventricosa** [RPJ+18]. **verification** [ŘKH18, SHW+11]. **veronii** [ZWL+16, CHH+14, CYS17, DTJ+17, FMA+19, MP18, RKK+19, YZW+19]. **Verrucous** [RKPG16]. **Vertebral** [DWP+19, JHM+18, FHFF15, GHB+11, LWZ+18, LGS+14, MLF+10, dALF+17]. **vertical** [JNS+19, KSA+10, NRF+18, YTKS19]. **VERV** [GFB+13]. **VHS** [GVC+19, HLL+12, HAS+19]. **VHSV** [GMN12, GGW+11, GRP+15, MMBS10, ZLX+19]. **VHSV-IVb** [GMN12]. **via** [KJW+17, PBM+15, RPMRLJ+19, TRS19, DDBC+15]. **viability** [CAS+18, FCJH19, HPAL10, MGM+18, VCLW16]. **Vibrio** [AHAMR+19, BTN+18, BVK+16, BT14, BGC+17, BBP18, BFC+15, CLWJ13, CCLGRM+17, CCH+19, CLW+11, CKTT10, CDG+14, DD18, DJQ+12, DABO+17, FLVA10, FMB+11, HRL15, HBVB16, HXZ+16, HGX+19, ITKH18, JQK14, KTN+16, KYB+15, LLDL13, LSC+14, LSA+15, LMM+15, LMM+16, MBB12, MKMY10, NNC+18, NDA+19, PKLH19, QWTL17, QZZ+18b,

RGD+12, RRO+13, RCD+17, SSF+17, SNM+16, SCS+12, TMC+12, VDD+18, WBF+10, WZQ+16, WM19, YGL+18, YLX+19a, YLS+19, ZZC+17, ZWY+11, ZQB+11, ZJR+18, ZxYJ+19, ZXW+12, ZDWH18]. **vibrioferrin** [COB+16]. **Vibrionaceae** [NMM+18]. **Vibrios** [PDdC+14, HBH+19]. **vibriosis** [KSS17, TNK12]. **Vibrogen** [CCH+19]. **Vibrogen-2** [CCH+19]. **Victoria** [MCW+18]. **Vietnam** [BAD+12]. **Vietnamese** [CTK+10]. **Viola** [YLX+19b]. **viraemia** [EBM+18, GSBEM15, MPBM+16, OCLI+19, SKN+16]. **Viral** [AHHR+10, DVC+17, GGW+11, HPAL10, VPP+12, WKW13, WNAJ+16, AHPR+16, Ano12c, BRMG13, Bin14, DSA+12, DAB+12, DPADO16, EKED+17, GJVT+11, GFB+19, GFB+13, GMN12, GFW+10, GVC+19, HLL+12, HKD+10, HGG+11, JQK14, JKS+13, KKK15, KF10a, KF10b, KOS+10, LRD+19, LFH+11, LVADB17, LNC+17, MMBS10, MDC+18, MF12, MMW+15, NOST+16, OEG+13, PBM+15, PJL+12, RAM+18, RAM+19, RMS+13, SHJ+12, SOGR+19, SJ11, TDS+19, VLVS+16, VBL+15, VBL+16, WDM+15, WMM17, WXL16, WKW+11, Wen16, WNSAL12, XQS+15, YNL11, ZLX+19]. **viral-induced** [XQS+15]. **viremia** [MGN+16, XWP+18]. **Virginia** [PBBG19]. **virginica** [CBM+18]. **viridans** [CG11]. **Virion** [FE11]. **Virucidal** [JST+19]. **Virulence** [BGG11, DSLR16, EBM+18, JDH+18, RPGCIG17, XXL+19, ZZC+17, BHF13, BLF+16, BGC+17, BFC+15, COB+16, CD17, CG11, CHB+17, CDG+14, DSSB18, DSSB19, EA18, FMB+11, GTGCM19, HZJ+19, HGX+19, JMS13, JJSJ15, LCV+17, LFD+17, LLLG18, LZZN10, LXZ+19, NDA+19, RCD+17, SL15, STES14, TDH+10, VSS17, VDHV+16, YZW+19, ZJDL18, ZKL+19, ZWL+16, BAMYAH19]. **Virulence-associated** [ZZC+17]. **virulence-related** [COB+16]. **virulent** [DZC+16, FNISE12, GPL+12, MAC+15, OFA11, RPM+19, WZA10]. **virus** [ADMF15, ATM+10, ARR+18, ABVS18, ASHZ+12, AOAH13, AHHR+10, AHPR+16, AAUHW15, Ano12c, APG+11, BLdA+18, BWNS+11, BAH+18, CVGR+13, CCCTA+14, CNN+10, CWW+18, CGW+19, CLL+10, CLW+13, CGG+10, CMS+19, CCME16, DLCC+13, DZV10, DCZ+17, DPADO16, DCMM13, DBM+14, EYF+19, ESA+10, ECP+10, EKT+11, EBM+18, EKED+17, FSO+10, FE11, GJVT+11, GL18, GFB+13, GSBEM15, GGW+11, GBSF12, GFS+14, GVC+19, GHW+15, GCS+18, HSC+16, HMV+17, HVVV15, HGG+11, HZP+12, HHX+15, HPAL10, IBFL19, IOO15, JST+19, JKC+11, JQK14, JHW17, JFWH19, JNS+19, JYZ+14, JGI+10, JSK+10, JKS+13, JJS+12, JMS13, JJSJ15, KKK15, KF10a, KF10b, KKK+18, KDA+18, KBD13, KWD+16, LC17, LASRA+19, LYL+18, LRD+19, LQY11, LLWL15, LHW+15a, LGJ19, LJGRI+10, LVADB17, MLH+15, MBOC19, MRR+14, MKI+15, MMWK19, MPBM+16, MRN+19, MMBS10, MBS+17, MSB+19, MTK+10]. **virus** [MAC+15, MFES18, MSI+15, MF12, MGN+16, MTHB13, MCW+18, MNM+18, MNM+19, MMH10, MCO11, MMW+15, MMNL14, NMV+19, NNCLGC+11, NSC+18, NB10, NOST+16, OTN+12, OKS+13, OMO+15, OBFR12, OEG+13, OCLI+19, PTM+19, PHvdH12, PWHW18b, PMW+10, PMH+11, PBM+15, PSK+13, PJL+12, PYSS19,

RNM+12, RPGCIG17, RDN+12, RMSH09, SJDC+13, SPTDEE+15, SSV+10, SGB+16, SHJ+12, STG+10, SP15, SKN+16, SWD+14, SZZSFN+14, SVM+18, SG12, SEM18, SJ11, SSO+14, SRD+16, TMM+15, TIK+14a, TSS18, TB12, TSK+19, TRS19, TTL+16, TCM+19, TDT+16, VLVS+16, VCOD17, VBL+15, VBL+16, WWS+11, WCW16a, WWZ+18, WKW+11, WCW+16b, WNSAL12, WNAF+13, XJL+19, XWP+18, YTKS19, YLSW14, YHY+16, YLL+18, YCNW18, YWW+19, ZLX+19, ZLN+17, CCCTA+14, LLLG18, NFF+17, WNGS+17, RWTB17, SRM+18, SNK+19]. **virus-3** [SEM18]. **virus-like** [SWD+14]. **viruses** [BSC+14, CRAG+12, DPADO16, KKT+18b, NSC+15, PPE+18]. **Visceral** [ZZA+14, ZWG+17]. **viscosa** [BGG11, ESBE18]. **visual** [WSX+18]. **visualization** [DXX+15, FMM+19, KTK17]. **vitellogenic** [CZB+11]. **vitreus** [GRP+15, VBL+16, VKK+19]. **vitro** [AMRHM18, ASS19, DSSB19, NMV+19, OMB+19, SSG+19, SOGR+19, TFG19, TKS+18, VDO+18a, VMBGIC19, YLX+19b, AS17, APG+11, CRBLC+17, CHAB10, DSSB18, KSAB+14, MLWC11, MBT+17, Mor12, NSE+17, PZL+14, RBAT+17, SHS14, STES14, SBW11, TDH+10, VMCM14, XZZ16]. **vivipara** [BCM+17]. **viviparous** [AHB+17]. **vivo** [AMRHM18, DLLB+18, DSSB19, GBO+18, LLLG18, LXZ+19, SOGR+19, YLX+19b, BKD17, BLFRCQ10, DSSB18, KAESEM13, LVADB17, MLEM16, PDLW17, PZL+14, RBAT+17]. **VNTR** [HZP+12]. **VNTRs** [DZV10]. **vollucellus** [LRB+17]. **vortens** [MLWC11]. **VP2** [CGW+19]. **VP26** [SRD+16]. **VP28** [MTK+10, SRD+16, TMM+15]. **VP38** [ZWG+18]. **VP51B** [LC17]. **VREFT** [GGW+11]. **vs** [ZCCN13]. **vs.** [VPS+14]. **vulnificus** [FLVA10, QZZ+18b, YGL+18]. **vulvolacinata** [SDZN19].

W [JCN+14]. **Wadden** [GVLE16]. **wageneri** [GAC10]. **wageneri-group** [GAC10]. **Waite** [KRD+17, LLH+14b]. **Walbaum** [ASA10, ASHZ+12, AOAH13, AHHR+10, AJLC+16, ABT+14, AHTCA+17, AA10, AMA11, BSW17, BCLM+19, BHA+11, BA14, BPPKJ10, BLP10, BLFC12, CSS+16, CHAB10, CMH+17, CPB+15, CMR+16, CLS+15, DS10, DPTFC10, DPTCF10, DMP10, DJR+19, DdRTM13, DdRCP13, DT16, GMC+16a, GCNB16, GTH11, GPFGAG19, GDW+15, GMC+16b, HKBD15a, HKBD15b, JKL+13, JDH+18, JML19, vGJHS+11, KSM+17, KPT+11, KBE+14, LPA+10, LLS+11, LST+12, LF16, LF18, LWMT10, MNF+15, NOV+11, NDA10, OP14, OBFR12, OBD+11, OLT+10, PSBG+11, PLCC11, PMPG+16, RSB13, RCGGM15, RHB+15, SMJ+12, STF+15, SHJ+12, SBM+11, SCR+15, SKJ13, XKB12, YDO+16]. **Wales** [TDJ+10, TWJP10]. **Walker** [LRB+17]. **walking** [BNC+11]. **wall** [BB11, WBF+10]. **Walleye** [GRP+15, VBL+15, VBL+16, VKK+19, WMF14]. **Wanted** [CBM+18]. **Ward** [RGMGG+18]. **warmer** [GMN12]. **was** [GMC+16a]. **Washington** [PPE+18]. **waste** [DAB+12, PJL+12]. **Water** [SFR+17, BMK17, CHV+12, CD17, CB13, GDW+15, GHB+11, HH13a, HMW11, JJV+15, KSS17, KPM+11, MSR+10, MUM+19, MoSMS18,

MTLP+18b, MSK+12, NOV+11, OM10, PST+16, RHTC19b, Sam10, SVY+14, VCN+10, WNGS+17, YkSKY13]. **waterborne** [HKBD15b]. **waters** [BCL+19, CNN+10, EA18, JZK+14, LRAP17, MMBS10, RBS+16, RSF+17, RGMGG+18, RBR19, SBH+16, SN14]. **watershed** [PHR14]. **WE-skin11f** [VKK+19]. **weakfish** [CCM+11]. **Webb** [RAM+17]. **websteri** [CBM+18]. **wedge** [LPVGL+10]. **weedy** [LYD+15]. **weight** [FMH+15, TJB+15]. **weirs** [LST+12]. **Weissella** [CLS+15, GMC+16b, MHNY18]. **weissellosis** [MHNY18]. **well** [KKK+18, PSZ+14]. **well-being** [PSZ+14]. **West** [HHM+14, SBH+16, PRWG17]. **western** [BHT+17, BA13, EEMCEGSP16, PMP+18, RPGCIG17, SDJH16, FSV+18, FSB+18c, RSR+18]. **whaler** [RBF14]. **which** [CXW+19, QZZ+18b]. **while** [JOF+19]. **White** [CNN+10, CLW+13, DCV+14, BTN+18, BWB+17, BMT+15, DLCC+13, DZV10, DCMM13, DBM+14, ESA+10, EEMCEGSP16, FSO+10, HVVV15, HZP+12, HKF+16, JQK14, JGI+10, JJS+12, LQY11, MTK+10, MGN+16, NRMS14, NSC+18, PSK+13, RNM+12, RPGCIG17, RDN+12, RBF14, SMS+10, STS+15, SPTDEE+15, SSV+10, SP15, SVM+18, SRD+16, TMM+15, TSK+19, TTL+16, TDT+16, XKB12, YHY+16, DCZ+17]. **whiteleg** [CMEV17a, CMS+17, CMEV17b, KS19, SSV+17, STG+10, TMM+15]. **whitemouth** [MPM16]. **whiting** [RGMGG+18]. **Whole** [RPMRLJ+19, RKK+19, BHF13, KTK17]. **Whole-genome** [RKK+19]. **wickerhamii** [JDRM17]. **wide** [KF10a, LHW+15a]. **widespread** [PPE+18]. **wild** [ARR+18, AAUHW15, AGFG19, ADR11, BSC+14, BFFA+12, BGCKF12, CNN+10, EMA17, EA18, FBS13, FBAS16, GFO+13, GGMG18b, GMG+19, GFB+13, HBVB16, HGPD11, HFKF17, JKO+13, JHM+18, JHRW17, JNN+11, KCD+14, KMGK+18, LHW+15a, LDEH17, LFL19, MMWK19, MMB+15, MMBS10, MVWS13, MCW+18, PTM+19, RDN+12, RBS+16, RSF+17, RMSH09, RBWR+15, RSM+18, SBM+11, SDZN19, SWE+19, SN14, TJA+13, VPS+14, VCS+19, WDM+15, WMM17, ZLX+19, dSRSHGá+19]. **wild-caught** [HFKF17, RBWR+15, RSM+18]. **wild-hatched** [SBM+11]. **wingei** [ADR11]. **Winter** [MP18, KHG+17]. **within** [BMBS12, DZV10, LLC+11, YEK+17]. **Wootten** [Rob14a]. **world** [GVLE16]. **worldwide** [DBV+13, MNG+18]. **worm** [BGRB14]. **wound** [ASSP+15, SSG+19]. **wrasse** [BVK+16, BT14, MMW+15, RSP+17, RSM+18, SRM+18, Tre12, WDM+15]. **WSSV** [DCZ+17, DCMM13, HVVV15, JPG+19, LC17, PSK+13, RDN+12, SSV+10, WLX+10, WXWD15, YHY+16]. **wulii** [ZYW+10].

X [EKT+11, MFES18]. **X.** [LTC+14]. **Xanthine** [BSD+18d, BSD+18c, BSD+18a]. **xenobiotica** [CBH+15]. **xenomas** [LRAP17]. **XI** [BNS13].

YaeT [KREM14]. **yasunagai** [SS17]. **year** [KZJ+17, SBW+18, WGL17].

yearling [LXL+18, SFR+17]. **years** [BMMC+15]. **yeast** [SCK13, WBF+10]. **yellow**
[CWW+18, GM11, HZJ+19, KHLL16, LYD+15, LRD+19, NNCLGC+11, OEG+13, PHvdH12, SGQ+15, STG+10, XQS+15, ZZA+14, ZWG+17]. **yellowfin** [Dig13, Dig15, Pol15]. **Yellowstone** [MKKM15]. **yellowtail** [KHS11, MFS+17, NWMK16, RBAT+17, STIG17, YYF+10]. **Yersinia** [ASA10, AHTCA+17, CMH+17, DS10, DSSB18, DSSB19, GTGCM19, GCNB18, GTH11, JKL+13, KSM+17, KJW+12, NCNB18, SON+18, TALA11, TDH+10, WNCR12]. **Yersiniosis** [GGGM14]. **YHV** [CWW+18, LRD+19]. **YHV-3** [CWW+18]. **YHV-8** [LRD+19]. **Yin** [GAC10, MWS17]. **yl** [SRD+16]. **York** [GFB+19]. **young** [SBW+18].

Zambia [HHC+18]. **Zealand** [BMH+19, DWP+19, GBO+18, RPJ+18]. **zebra** [Bin14]. **Zebrafish** [CKvGJB17, SSG+19, AMRHM18, BLdA+18, BWS+18, CDW17, CBW19, CXK16, CSSWK10, KWGS19, KDP+17, LRC+18, LHW+12, LHW+15b, MLR+12, MWRSK17, MGF17, RAM+19, SZM+15, SSK17, ZJR+18, EDP+17]. **Zeuxapta** [STIG17]. **Zeylanicobdella** [KCL14]. **Zhejiang** [LQY11]. **Zinc** [DGS+14]. **ZnuABC** [DS10]. **Zoarces** [AHB+17]. **zonetail** [BCJ13]. **zonura** [BCJ13]. **Zoogoneticus** [RAM+17]. **zoonotic** [FŠK+19]. **Zschokkella** [YMBE13].

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Baldissera:2018:ICA

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Baldissera:2018:BBB

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Baldissera:2018:ACI

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[BVG+10] E. Bozzetta, K. Varello, I. Giorgi, M. L. Fioravanti, M. Pezzolato, R. G. Zanoni, and M. Prearo. *Mycobacterium marinum* infection in a hybrid striped bass farm in Italy. *Journal of Fish Diseases*, 33(9):781–785, September 2010. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Biering:2016:CMA

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[BW18] M. Bolton-Warberg. An overview of cleaner fish use in Ireland. *Journal of Fish Diseases*, 41(6):935–939, June 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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Browning:2013:UPC

[BWM+13] Z. S. Browning, A. A. Wilkes, D. S. MacKenzie, R. M. Patterson, and M. W. Lenox. Using PET/ CT imaging to char-

acterize 18 F-fluorodeoxyglucose utilization in fish. *Journal of Fish Diseases*, 36(11):911–919, November 2013. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bockerman:2011:PPM

[BWNS+11] I. Böckerman, C. R. Wiik-Nielsen, H. Sindre, R. Johansen, and T. Tengs. Prevalence of piscine myocarditis virus (PMCV) in marine fish species. *Journal of Fish Diseases*, 34(12):955–957, December 2011. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Buss:2019:BC

[BWP+19a] Jessica J. Buss, Kathryn H. Wiltshire, Thomas A. A. Prowse, James O. Harris, and Marty R. Deveney. Back Cover. *Journal of Fish Diseases*, 42(1):ii, January 2019. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Buss:2019:BOA

[BWP+19b] Jessica J. Buss, Kathryn H. Wiltshire, Thomas A. A. Prowse, James O. Harris, and Marty R. Deveney. *Bonamia* in *Ostrea angasi: Diagnostic* performance, field prevalence and intensity. *Journal of Fish Diseases*, 42(1):63–74, January 2019. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[BWS+18] A. R. Burns, V. Watral, S. Sichel, S. Spagnoli, A. V. Banse, E. Mittge, T. J. Sharpton, K. Guillemin, and M. L. Kent. Transmission of a common intestinal neoplasm in zebrafish by cohabitation. *Journal of Fish Diseases*, 41(4):569–579, April 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Bergmann:2017:VKA

[BWZ+17] S. M. Bergmann, Q. Wang, W. Zeng, Y. Li, Y. Wang, M. Matras, M. Reichert, D. Fichtner, M. Lenk, T. Morin, N. J. Olesen, H. F. Skall, P-Y. Lee, S. Zheng, S. Monaghan, S. Reiche, W. Fuchs, M. Kotler, K. Way, G. Bräuer, K. Böttcher, A. Kappe, and J. Kielpinska. Validation of a KHV antibody enzyme-linked immunosorbent assay (ELISA). *Journal of Fish Diseases*, 40(11):1511–1527, November 2017. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[BYAS+19] Benjamin H. Beck, Mediha Yildirim-Aksoy, Craig A. Shoemaker, Sidney Adam Fuller, and Eric Peatman. Antimicrobial activity of the biopolymer chitosan against *Streptococcus iniae*. *Journal of Fish Diseases*, 42(3):371–377, March 2019. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[CAJD+18] Jiwan K. Chettri, Azmi Al-Jubury, Inger Dalsgaard, Peter M. H. Heegaard, and Kurt Buchmann. Experimental anal infection of rainbow trout with *Flavobacterium psychrophilum*: a novel challenge model. *Journal of Fish Diseases*, 41(12): 1917–1919, December 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Chance:2018:ERE

[CAS+18] R. J. Chance, Z. Allcock, C. J. Secombes, B. Collet, and C. Collins. Effect of repeated exposure to AQUI-S(R) on the viability and growth of *Neoparamoeba perurans*. *Journal of Fish Diseases*, 41(2):291–298, February 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[CB13] J. M. Cobcroft and S. C. Battaglene. Ultraviolet irradiation is an effective alternative to ozonation as a sea water treatment to prevent *Kudoa neurophila* (Myxozoa: Myxosporea) infection of striped trumpeter, *Latris lineata* (Forster). *Journal of Fish Diseases*, 36(1):57–65, January 2013. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Camus:2013:SMA

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Camus:2016:ALR

[CBFM16] A. Camus, C. Brown, C. Field, and A. McDermott. Amyloid-like renal lesions in a roughtail stingray *Dasyatis centroura*

(Mitchill 1815). *Journal of Fish Diseases*, 39(5):613–617, May 2016. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[CBH+15] A. Camus, A. Berliner, M. Hyatt, N. Hatcher, and T. Clauss. *Exophiala xenobiotica* aerocystitis in a Queensland grouper *Epinephelus lanceolatus* (Bloch). *Journal of Fish Diseases*, 38(2):221–225, February 2015. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[CBLN13] K. Cadoret, A. R. Bridle, M. J. Leef, and B. F. Nowak. Evaluation of fixation methods for demonstration of *Neoparamoeba perurans* infection in Atlantic salmon, *Salmo salar* L., gills. *Journal of Fish Diseases*, 36(10):831–839, October 2013. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Clements:2017:EOA

[CBM+17] J. C. Clements, D. Bourque, J. McLaughlin, M. Stephenson, and L. A. Comeau. Extreme ocean acidification reduces the susceptibility of eastern oyster shells to a polydorid parasite. *Journal of Fish Diseases*, 40(11):1573–1585, November 2017. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Clements:2018:WDA

[CBM+18] J. C. Clements, D. Bourque, J. McLaughlin, M. Stephenson, and L. A. Comeau. Wanted dead or alive: *Polydora websteri* recruit to both live oysters and empty shells of the eastern oyster, *Crassostrea virginica*. *Journal of Fish Diseases*, 41 (5):855–858, May 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Chang:2019:TMC

[CBW19] Carolyn T. Chang, Samuel Benedict, and Christopher M. Whipps. Transmission of *Mycobacterium chelonae* and *Mycobacterium marinum* in laboratory zebrafish through live feeds. *Journal of Fish Diseases*, 42(10):1425–1431, October 2019. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Castillo-Cerda:2014:DPA

[CCCTA+14] M. T. Castillo-Cerda, L. Cottet, D. Toro-Ascuy, E. Spencer, and M. Cortez-San Martín. Development of plaque assay for Chilean Infectious Salmon Anaemia Virus, application for virus purification and titration in salmon ASK cells. *Journal of Fish Diseases*, 37(11):989–995, November 2014. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Chakraborty:2019:VVT

[CCH+19] Setu Chakraborty, Trung Cao, Ahmed Hossain, Hajarooba Gnanagobal, Ignacio Vasquez, Danny Boyce, and Javier Santander. Vibrogen-2 vaccine trial in lumpfish (*Cyclopterus lumpus*) against *Vibrio anguillarum*. *Journal of Fish Diseases*, 42(7):1057–1064, July 2019. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Choi:2013:RDS

[CCHL13] K. Choi, W. G. Cope, C. A. Harms, and J. M. Law. Rapid decreases in salinity, but not increases, lead to immune dysregulation in Nile tilapia, *Oreochromis niloticus* (L.). *Journal of Fish Diseases*, 36(4):389–399, April 2013. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Campa-Cordova:2017:RPL

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Jackson:2014:RMK

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Jorgensen:2011:RTP

[JNN+11] A. Jørgensen, A. Nylund, V. Nikolaisen, S. Alexandersen, and E. Karlsbakk. Real-time PCR detection of *Parvicapsula pseudobranchicola* (Myxozoa: Myxosporea) in wild salmonids in Norway. *Journal of Fish Diseases*, 34(5):365–371, May 2011. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[JNS+19] Britt Bang Jensen, Stian Nylund, Julie Christine Svendsen, Paul-Martin R. Ski, and Harald Takle. Indications for a vertical transmission pathway of piscine myocarditis virus in Atlantic salmon (*Salmo salar* L.). *Journal of Fish Diseases*, 42(6):825–833, June 2019. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

Jensen:2019:DSS

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Jaemwimol:2019:VEC

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Jansen:2010:PDP

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Kane:2018:SL

[Kan18] F. Kane. Sea lice 2016. *Journal of Fish Diseases*, 41(6):859–860, June 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PHW+16] L. H. Phuoc, B. Hu, M. Wille, N. T. Hien, V. H. Phuong, N. T. N. Tinh, N. H. Loc, P. Sorgeloos, and P. Bossier. Priming the immune system of Penaeid shrimp by bacterial HSP70 (DnaK). *Journal of Fish Diseases*, 39(5):555–564, May 2016. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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Polinas:2018:EHA

[PMP+18] Marta Polinas, Salvatore Mele, Francesc Padrós, Paolo Merella, Elisabetta Antuofermo, Adam Gouraguine, and Olga Reñones. Ecological and histopathological aspects of *Didymodiclinus* sp. (Trematoda: Didymozoidae) parasite of the dusky grouper, *Epinephelus marginatus* (Osteichthyes: Serranidae), from the western Mediterranean Sea. *Journal*

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Purcell:2016:ETR

[PMPG+16] M. K. Purcell, C. L. McKibben, S. Pearman-Gillman, D. G. Elliott, and J. R. Winton. Effects of temperature on *Renibacterium salmoninarum* infection and transmission potential in Chinook salmon, *Oncorhynchus tshawytscha* (Walbaum). *Journal of Fish Diseases*, 39(7):787–798, July 2016. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[Pol15] B. R. Pollock. Comments on 'Saddleback deformities in yellowfin bream, *Acanthopagrus australis* (Günther), from South-East Queensland' by Diggles (2013). *Journal of Fish Diseases*, 38(3):329–330, March 2015. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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[PSK+12] A. L. Pribyl, C. B. Schreck, M. L. Kent, K. M. Kelley, and S. J. Parker. Recovery potential of black rockfish, *Sebastes melanops* Girard, recompressed following barotrauma. *Journal of Fish Diseases*, 35(4):275–286, April 2012. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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Pittman:2011:NMQ

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Pao:2018:CI

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[SEM18] H. Soliman and M. El-Matbouli. Rapid detection and differentiation of carp oedema virus and cyprinid herpes virus-3 in koi and common carp. *Journal of Fish Diseases*, 41(5):761–772, May 2018. CODEN JFIDDI. ISSN 0140-7775 (print), 1365-2761 (electronic).

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Schonherz:2012:OTR

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