# 水产学报 2017 年 第 41 卷 第 7 期

## 目 次

| 金钱鱼促性腺激素受体基因克隆及其在性腺发育不同时期 mRNA 表           | 达水   | 平的: | 分析  |        |      |            |
|--|------|-----|-----|--------|------|------------|
|  | ,段征  | 正宇, | 桂 郎 | 月,苏冒亮  | ,牟幸江 | ,张俊彬 (993) |
| 黄河鲤酪氨酸酶基因的克隆、表达模式及定位分析                     | ·王良  | 炎,  | 田雪  | , 庞小磊, | 李梦荣, | 李学军 (1006) |
| 一种鲕鱼诺卡氏菌酪氨酸蛋白磷酸酶基因的克隆及功能初步研究               |      |     |     |        |      |            |
| 夏立群,童邦卓,                                   | 徐    | 亮,  | 苏泽杰 | , 陈锐敏, | 廖保山, | 鲁义善 (1017) |
| IL-8 在 LPS 诱导的草鱼炎症过程中的表达特征柳昭君,             | 赵    | 杰,  | 卜云璇 | ,肖兰莹,  | 时凯丽, | 宋学宏 (1028) |
| 黄颡鱼甘露糖受体基因的克隆和功能分析                         | ·刘小  | 玲,  | 王 虹 | , 樊启学, | 兰江风, | 林 蠡 (1036) |
| 三角帆蚌 HcTyr 基因内壳色性状相关 SNP 筛选及图谱定位·········· | · 韩学 | :凯, | 陈夏君 | , 白志毅, | 刘晓军, | 李家乐 (1044) |
| 文蛤粪卟啉原III氧化酶基因克隆及与壳色性状的相关性分析               |      |     |     |        |      |            |
|  | 董迎   | 辉,  | 何 琳 | ,阮文斌,  | 高晓艳, | 林志华 (1054) |
| 高光胁迫下坛紫菜定量 PCR 内参基因的筛选 昌 晶,                | 陈陆   | i丹, | 徐 燕 | , 纪德华, | 陈昌生, | 谢潮添 (1064) |
| 辽宁沿海日本海马线粒体控制区序列变异及其在海龙科鱼类系统分              | 折中的  | 的应用 |     |        |      |            |
| 李玉龙,王 彬,王爱勇,                               | 于旭   | 上光, | 李轶平 | , 韩振华, | 付杰,  | 董 婧 (1073) |
| 罗氏沼虾种群 SSR 分析中样本量及标记量对遗传多样性指标的影响           |      |     |     |        |      |            |
|  | 刘    | 洁,  | 李晶晶 | ,江宗冰,  | 明 磊, | 蒋 飞 (1083) |
| SCP3 作为栉孔扇贝初级精母细胞标记分子的研究 马晓世,              | 杨丹   | ·丹, | 季爱昌 | , 梁少帅, | 马晓茹, | 张志峰 (1096) |
| 褐点石斑鱼不同月龄形态性状的主成分及通径分析黄建盛,                 | 陈    | 刚,  | 张健东 | , 王忠良, | 刘碧焕, | 阮 涛 (1105) |
| 持续充氧对养殖池塘上覆水一泥水界面一沉积物间隙水中离子垂直              | 分布的  | 的影响 | ij  |        |      |            |
|  |      |     | 魏南  | , 余德光, | 王广军, | 谢 骏 (1116) |
| 锌胁迫对海洋小球藻生长和金属硫蛋白诱导的影响                     |      |     |     |        |      |            |
|  | 庄梅   | 珍,  | 王 凡 | ,陈晓梅,  | 林郑忠, | 黄志勇 (1126) |
| 合方鲫及其亲本肌肉营养成分分析                            |      |     |     |        |      |            |
| 刘庆峰,王 静,肖 军,陈 璇,齐艳华,李武辉,                   | 陶    | 敏,  | 张 纯 | , 覃钦博, | 罗凯坤, | 刘少军 (1133) |
| 不同来源海洋弧菌微生物被膜对厚壳贻贝稚贝附着的影响                  |      |     |     |        |      |            |
| 黄道芬,                                       | 梁    | 箫,  | 彭莉华 | ,郭行磐,  | 张德民, | 杨金龙 (1140) |
| 尼罗罗非鱼表皮和鳃黏膜共生菌结构特征及其与鱼体健康状况相关              | 关系   |     |     |        |      |            |
|  | ·王   | 淼,  | 卢迈新 | , 衣萌萌, | 曹建萌, | 高风英 (1148) |
| 侧扫声纳系统在石料人工鱼礁堆体积估算中的应用                     | ·刘永  | 虎,  | 刘 敏 | ,田 涛,  | 杨 军, | 陈 勇 (1158) |
| 《水产学报》第十届编辑委员会                             |      |     |     |        |      |            |

#### **JOURNAL OF FISHERIES OF CHINA**

## Vol.41,No.7,2017

### **CONTENTS**

| Gene cloning of gonadotropic hormone receptors and their mRNA expressions at different development stages of                               |
|--|
| the gonad in Scatophagus argus   |
| ZHANG Guang, WANG Wu, DUAN Zhengyu, GUI Lang, SU Maoliang, MU Xingjiang, ZHANG Junbin (993)  |
| Molecular cloning, expression pattern and location of <i>Tyrosinase</i> gene in Yellow River carp ( <i>Cyprinus carpio haematopterus</i> ) |
|  |
| Gene cloning and preliminary function study of protein tyrosine phosphatase from <i>Nocardia seriolae</i>                                  |
| XIA Liqun, TONG Bangzhuo, XU Liang, SU Zejie, CHEN Ruimin, LIAO Baoshan, LU Yishan (1017)  |
| Expression patterns of IL-8 protein during bacterial LPS-induced inflammatory response in grass carp                                       |
| (Ctenopharyngodon idella)  |
| LIU Zhaojun, ZHAO Jie, BO Yunxuan, XIAO Lanying, SHI Kaili, SONG Xuehong (1028)  |
| Cloning and functional analysis of mannose receptor from Chinese yellow catfish ( <i>Pelteobagrus fulvidraco</i> )                         |
| LIU Xiaoling, WANG Hong, FAN Qixue, LAN Jiangfeng, LIN Li (1036)   |
| Detection of shell nacre colour-related SNP and gene mapping of <i>HcTyr</i> gene in <i>Hyriopsis cumingii</i>                             |
|  |
| Gene cloning of <i>CPOX</i> and correlation analysis of shell colors in <i>Meretrix meretrix</i>   |
| ZHAN Yanling, DONG Yinghui, HE Lin, RUAN Wenbin, GAO Xiaoyan, LIN Zhihua (1054)  |
| Selection of the internal control gene for expression analyses of <i>Pyropia haitanensis</i> under high light stress                       |
|  |
| by quantitative real-time PCR  |
| CHANG Jing, CHEN Ludan, XU Yan, JI Dehua, CHEN Changsheng, XIE Chaotian (1064)   |
| Sequence variation of mtDNA control region in <i>Hippocampus japonicus</i> inhabiting Liaoning coast and its applicability                 |
| as a marker for phylogenetic analysis  |
| LI Yulong, WANG Bin, WANG Aiyong, YU Xuguang, LI Yiping, HAN Zhenhua, FU Jie, DONG Jing (1073)   |
| Effects of sample size and loci number on genetic diversity index in <i>Macrobrachium rosenbergii</i> revealed by SSR                      |
| DAI Xilin, LIU Jie, LI Jingjing, JIANG Zongbing, MING Lei, JIANG Fei (1083)  |
| A potential role of SCP3 as a molecular marker of primary spermatocytes in Chlamys farreri   |
| MA Xiaoshi, YANG Dandan, JI Aichang, LIANG Shaoshuai, MA Xiaoru, ZHANG Zhifeng (1096)  |
| Principal component and path analysis of morphological traits of Epinephelus fuscoguttatus at different month ages                         |
| HUANG Jiansheng, CHEN Gang, ZHAN Jiandong, WANG Zhongliang, LIU Bihuan, RUAN Tao (1105)  |
| Effect of aeration on vertical distribution of the ions in overlying and interstitial waters of microcosms paved with                      |
| aquaculture sediment · · · · · · WEI Nan, YU Deguang, WANG Guangjun, XIE Jun (1116)  |
| Growth exhibition and metallothioneins induction of Chlorella sp. exposed to different zinc salts  |
| PENG Aihong, GAO Shuang, CHEN Jun, ZHUANG Meizhen, WANG Fan,   |
| CHEN Xiaomei, LIN Zhengzhong, HUANG Zhiyong (1126)   |
| Muscle nutrient of Carassius auratus cuvieri $(?) \times$ Carassius auratus red var. $(?)$ and its parents                                 |
| LIU Qingfeng, WANG Jing, XIAO Jun, CHEN Xuan, QI Yanhua, LI Wuhui,   |
| TAO Min, ZHANG Chun, QIN Qinbo, LUO Kaikun, LIU Shaojun (1133)   |
| Effects of Vibrio biofilms of different sources on settlement of plantigrades of the mussel Mytilus coruscus                               |
|  |
| The commensal microbiota structure of Nile tilapia ( <i>Oreochromis niloticus</i> ) skin and gill surfaces and preliminary study of        |
| their implications on tilapia health status  |
|  |
| The application of side scan sonar system in volume estimation of stone artificial reef  |
| LIU Yonghu, LIU Min, TIAN Tao, YANG Jun, CHEN Yong (1158)  |