

**Table S1.** Gene name, GenBank accession number, genomic location, primer sequences and thermocycling parameters of the identified Atlantic cod clock genes.

Gene name	GenBank Accession Number	Genomic location	Primer sequences	Annealing Temperature (°C)	E	Amplicon size (bp)
<i><sup>1</sup>arntl1</i>	JN643704	GeneScaffold_2807	F: AGGATGAAGTGCAACAGGCC R: GATGGTGCAGAAGCTCTTGC	60	97	99
<i><sup>1</sup>arntl2</i>	JX03864	GeneScaffold_1479	F: TCTCAAAGGTTCTTCTTCTCGT R: CACAAACAGAAAGCCATCGG	64	85	103
<i>clock</i>	JN643707	GeneScaffold_3789	F: CTGGAGCACCTACCGGCGGA R: GCGGCGTGCCTCGACAGAGC	60	87	101
<i>npas1</i>	KC204820	GeneScaffold_1829	F: TACTGTGAGAACAGGATCTCGG R: TGGCTCTGTCTCAGGTTGTC	66	na	113
<i>npas2</i>	JX035866	GeneScaffold_4285	F: CAACAATGTGCCTACGTCCTC R: GAACAGGAACCTTCCACTCCAG	65	104	199
<i>cry1a</i>	JN643708	GeneScaffold_3816	F: AACTTCGACCGCATGCTGG R: GGTGGTGGATCCAGCCCTC	60	84	154
<i>cry1b</i>	KC204818	GeneScaffold_3870	F: GACCTCGACAGGATCGTAGAG R: CTGCACTTCCAGGTAGAGCT	66	91	130
<i>cry-dash</i>	KC204819	GeneScaffold_827	F: GCCAATCAGAGCACCTACAGG R: CCACGGAACAGACTTGTCTGG	66	115	126
<i>cry2</i>	JN643709	GeneScaffold_2629	F: GGCTGGATCTGCCCCGACG R: CCCAGCTCTTCCAGTGAGGG	60	79	121
<i>cry3</i>	JX035865	GeneScaffold_2425	F: CGTACAAGGCTCTCAGGTGG R: CAGGGCAGATGCAGGTAAG	60	95	176
<i>per1</i>	JN643710	GeneScaffold_3971	F: TTCGGCAGCATCGACTCGTCGG R: CCTCCATGTCCTGGAGGGC	60	82	178
<i>per2a</i>	JN643711	GeneScaffold_1253	F: GCTCCCATGATGTTCAACGCT R: CCTCGATGATCTCAGATTCGG	64	101	186
<i>per2b</i>	JX035863	GeneScaffold_4551	F: CTGGGAGCGTCGTAGCCG R: CGTATCAGCGGGGTAAG	63	101	158
<i>tim</i>	JN634817	GeneScaffold_525	F: CTGGGGTACCTGGAGGGG R: CACCATGAGCCTTGATGCA	65	104	213
<i>rora</i>	KC204821	GeneScaffold_2011	F: GTGTCAGAACCGATCAGATAGTG R: AGTCGTCACAGCCTAATGAC	65	na	155
<i><sup>2</sup>nr1d1</i>	KC204822	GeneScaffold_3182	F: GACTTCTCCCTCTCCTTCAG R: CACCATTAGCACCTCAAAGG	60	77	135
<i><sup>3</sup>nr1d2a</i>	JN643712	GeneScaffold_1771	F: CTGCAAGGGCTTCTTCCGTC R: ATGTCCATGGTGGCGGACTC	63	79	152
<i>nr1d2b</i>	KC204823	GeneScaffold_2532	F: ACTTCTCCATGAGCTTTACTCC R: AACCATTAGCACCTCGAAGG	64	119	134

na = not used for qPCR analysis

<sup>1</sup>arntl1/2 is also known as brain and muscle Arnt-like 1/2, *bmal1/2*

<sup>2</sup>nr1d1 is also known as *rev-erb alpha*

<sup>3</sup>nr1d2 is also known as *rev-erb beta*