**Table S1.** Primers for Quantitative PCR of P450 genes and sodium channel sites in *A. spiraecola*.

|  |  |  |
| --- | --- | --- |
| ***Genes*** | **Forward Primer (5’– 3’)**  | **Reverse Primer (5’– 3’)** |
| *EF-1α* | *TAGACGCTATCCTACCCCCTA* | *GTGAAATCAGCAGCTCCCTTG* |
| *lambda-actin* | *GTCCCACACCGTGCCAATCTA* | *CGCCACATAACACAGCTTCTCC* |
| *CYP6DA1* | *CAGCAAACATTGGACGCA* | *AAAACGGGAACTGGTGGG* |
| *CYP6CZ1**CYP6DB1**CYP6CY22**CYP6CY14**P4506a13-1**P4506a13-2**P4506a13-3**CYP6CY13**P4506DD1**P4506DA2**CYP6CY12**CYP6CY8**P4506CY7**P4506CY9**CYP4CJ1**CYP4CJ2**CYP4CH1**P4504C1-like-1**P4504C1-like-2**P4504C1-like-3**CYP380C47**P4504g15**P4504CK1**CYP4CJ13**AcM918L* | *TGTACTGCACATGGACCCAC**CTTGTGCGTTTGGAGTAGAATC**CCGATGCTTATGGTCCGC**TCACGGGCTTAGAGCATCA**GCTCAGCCCTGGGTTCAC**TTCAAGACAGAGTACGCCAAGA**TTCTCCTCTTTTCCCGACC**CAAGTCCCAAACTCGTCATTAG**CGACAAAAGCTCAGCCCTAC**GATAAACTGTTGCTGCTCACG**GATTCGGATTTTCGCAAGTAT**ATCCAGTGGTGTTTGCTTTATT**GGTGGAGAACGATGCGACA**AGTGTCTACGGCGATGAGTTT**CTTGGTAATCCTGAGTTGCTTC**AGCATCCCTCCAATGACAAC**GGCGATCAGAATAGATCACCA**GGACCGCCATCATACCCA**GCAACGAGGATACTTGACTGAT**CGACGACGAAAAGCGAACT**CGTCGTCTCATTACACCTTCAT**TTACGAAGTACGCAAAGGAACA**GACCACCGTCTTTGCCACT**ATAGCGACGCAAAGTGATAGAT**CCGTAGTAGAATTGCTCTCTGC* | *TAGATGCCACCGAACCGT**GAGCAATACCAGGCATAAAGAG**CGCACTCGTTGATCTGGTTG**TCATGTCAATACCGTGGTCG**ACATCGGTAGCGTATTTTCCT**AATAAAGCAAAGGTCGGTGG**CACCGCACTCTTTGATTTGA**CAGCCAAGCGTTTACCAATA**AGCACCGCACATCCCATC**AATAAGTCCACAAGCCATCCTA**ACTATGCCGTTCGCCTCC**TTGCCTTTTCTTCGGTTGA**CAAACCGAAAGCAGATGCC**CTTGGTAATCCTGAGTTGCTTC**TTGGCGAGTTTCAGCGAC**GCCTGCGCTGAACGGTAT**CAGGCAAAGGAGGGAACA**TTGTACGTCTTCTGGCTTGCT**TTCCATACTCTGGCCCTTTG**TACGATGGCGGACCCTTA**GAGATTGTAACCCATCGCATT**CCAGCAGACTGACCGAATGA**GCCGATGAACGGAAGTAGAA**AACCAGCCAACGGCATTA**TGTCAGCCGTAGGCACCGC* |
| *AcL1014F* | *ATTTGCCGTTATGGGTATG* | *TCCCTTGATGATTTCCGA* |