**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* |