**Table S1. Primer sequences designed to amplify across Wisconsin blocs.**

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| **Primer Name** | **Sequence** |
| Bloc\_6A\_F | CTCGCATGCATTGGGCTTATCGTT |
| Bloc\_6A\_R | AGTCTCCTCAACCAACACCAACCA |
| Bloc\_6B\_F | TGCCTACTTGTTGTGCCTAGGTGT |
| Bloc\_6B\_R | TTAACGCCTACCTCGCTGCTGTTA |
| Bloc\_12A\_F | TGCAGAGGGTGATGCAAGACTACA |
| Bloc\_12A\_R | AGATCCTCATATTTCGCACGCTCG |
| Bloc\_12B\_F | AAGCCAGGACATAGGAGAGAGACA |
| Bloc\_12B\_R | GCACAAGTCTTACATCACTGGGCT |
| Bloc\_17A\_F | ATCAACTTGGCCTGGTCTCTTCCA |
| Bloc\_17A\_R | GGGAAACTGAAGCCCACAAATGGT |
| Bloc\_17B\_F | TGATCGTTCCACCCAACACGATCT |
| Bloc\_17B\_R | GTTGTTGTCTCCCATGCGCTTGAA |
| Bloc\_231A\_F | AACAAGGAATCCACCGAGACTCCA |
| Bloc\_231A\_R | TAGTCCTCCTTCGTAGCCTCAACA |
| Bloc\_231B\_F | AGGCGGTAGGATTAGTGCCTGATT |
| Bloc\_231B\_R | AGGTACCTGTCTCTGGTAGCGAAT |
| Bloc\_237A\_F | AGTGATGTGGATGGATCGGAGCAT |
| Bloc\_237A\_R | AACTACACCAAGTCCAGCACCAGT |
| Bloc\_237B\_F | AGGCGGTACTCATTAAGGCATCCA |
| Bloc\_237B\_R | CTCACGTGGCTGACACAAAGTCAA |
| Bloc\_267A\_F | AGCTCCAAGTTACCGGTTTCTCCT |
| Bloc\_267A\_R | GAAGATTCGCCATTTCTCGCACCA |
| Bloc\_267B\_F | TGCAGGAAGCCAGGATATAGGAGA |
| Bloc\_267B\_R | TAGGCATCCTAGCGCTGTCGATTT |
| Bloc\_269A\_F | ACAACTTGTTCGTATGAAGCCGGG |
| Bloc\_269A\_R | GCATGCATTCGTATGGGAGTAAATGGC |
| Bloc\_269B\_F | AGAGAGCGGTCCTAATTCAGGCAT |
| Bloc\_269B\_R | TTGCCCTTGTCGCAGATCATCCTA |
| Bloc\_270A\_F | AACATGCCTTCAACAGTTCCACCG |
| Bloc\_270A\_R | TCGACATCCAGCTTATCGACAGCA |
| Bloc\_270B\_F | AAATCGGTTCGTTCTTTCAGCGGC |
| Bloc\_270B\_R | TCTCGAGAAACAAACCAGCATAGC |
| Bloc\_287A\_F | AGGGAGAGAAGAGCAGAAGAAGGT |
| Bloc\_287A\_R | CCCTACAAAGGCATGCTTCTACCTGA |
| Bloc\_287B\_F | AACCTGATGGCGGCAACGAGAATA |
| Bloc\_287B\_R | TATTCAAGCCTCTGGCACCAACCA |
| Bloc\_309A\_F | AGAGGATGCAAATCTCGGCCACTT |
| Bloc\_309A\_R | ATGCAGAGCCAGTGGTCACAATAC |
| Bloc\_309B\_F | TCTCGCGTAGGGCTGTTTGAAGAT |
| Bloc\_309B\_R | TGTGCGCATCCATTCGGAGTGTTA |
| Bloc\_312A\_F | AGACGATCTCGGAAACAACGCTGA |
| Bloc\_312A\_R | ACGCGACCAAGTACAAGAGAGCAA |
| Bloc\_312B\_F | AGTGAAGGGATCGAATGGAGGACA |
| Bloc\_312B\_R | GCTATCGCTTTGCAGCTTGCGTAT |
| Bloc\_317A\_F | TGTCTTTCCTAGCGCCATCGACAT |
| Bloc\_317A\_R | ACCGACATCACTCTGCTGGTGAAA |
| Bloc\_317B\_F | ACCAGCAGAGTGATGTCGGTTTCT |
| Bloc\_317B\_R | TGGACCTTCATGATGGGATGGGAA |
| Bloc\_318A\_F | GAAATGACAGCGGCACAACGGTTA |
| Bloc\_318A\_R | TTTGTACGGACAGCAACAATGCCG |
| Bloc\_318B\_F | AGTCTCGGTTTGCAGCAGGTTAGT |
| Bloc\_318B\_R | TTTATCCGCGCTTGCGATGACTTG |
| Bloc\_326A\_F | ACCCTTGTGAGATACCAAAGTGCG |
| Bloc\_326A\_R | ACTGCTGCGTTAAGCGGACATCTA |
| Bloc\_326B\_F | TTTCGTGATGGAGGACACTTGGCA |
| Bloc\_326B\_R | TTCCTTGTAACCCAGTGGAGAGAG |

Each primer was named based on the target bloc and the forward (F) or reverse (R) direction of priming.