

**Table S1: Primers sequences used to amplify and sequence DYM coding regions**

Primer Name	Forward (5'-3')	Reverse (5'-3')
Exon_2_DYM	CTGGCCTAGCCCCATATT	TCTTTTGGATTTTCTACTGATCTATG
Exon_3_DYM	CCCCAAGCTCTTCTCTTTAGG	ATGGCTTAGCAGAGTCCATTACC
Exon_4_DYM	GCAGCAGTTTCTCTCATTGC	TCTCACCCCAGTGACTTAGAC
Exon_5_DYM	AGGATGGACAAAACGGTTG	CTTCAACCCCACCAGCTT
Exon_6_DYM	CGTACAGGAGCCTAAAGTACC	CAGAGATTAATTCTGTGCCTACC
Exon_7_DYM	GATAACTAACCCAAATACACCAGC	CTATGCACTGGGTTTAAAGAGAC
Exon_8_DYM	TGCAGTGCTCAATTTCTGTGAG	CAGCTGCACAAATTCAATGTAAC
Exon_9_DYM	CTGGCCTTGTAATGTATAGAC	GGATCAGATATAAAGGATGCTTG
Exon_10_DYM	GAATCTGAAATGTAGTGACTTTCC	ACGAGTTCCTGGGTGCAGC
Exon_11_DYM	GAGCCTAAATGGTCCTTGCAAG	GGTTCTCACAGGAACATCTACCA
Exon_12_DYM	ATTTGCGTGGCCTCTGTCT	TGTCACGAGAATTTTAGCATCC
Exon_13_DYM	GGGGCTATTGCAGATACACATT	AAGATGGATACTATGGTGGTTCCT
Exon_14_DYM	CTTGCTGTTAACACAGGCATGAA	ACAGTAAAATCTTGAGAAGAGAGGG
Exon_15_DYM	TGAGCTTCTTCTCTTCATGATCT	ACACACACAGATTACCACAATAT
Exon_16_DYM	GTGAATTAAAAGCCGGGTCA	TGGCACTGAGTCACACTATGG
Exon_17_DYM	ACCAGGACCCATTGTGTTACT	TAAAGAGGATTGCACGAGTGTGT