

Table S2 Primers used for the molecular diversity analyses of PAR genes and the newly discovered fully sex-linked E559 gene in this study.

Genes	Primers (forward)	Primers (reverse)
E200	E200-f8: AAGAGAATCGACATGACTTTCAGGC	E200-ri3: GGGTTTATACGTCATTACGATTCACC
E219	E219-f3: TCGACGGTGTTCATCAATCTGTGC	E219-r3: CCCTATTCTGAAAACCTTGCCAGC
E241	E241-f3: AAGAGTGGAAAGTAAAGCGGAAG	E241-r2: GCGACTATTATCTTGGCATTITTTGTC
E284	E284-f2: GTTGTGCTTTATTGGTTTTTGGTCC	E284-r3: ACTCAAAAATCATAGCAGCACAAAGG
E559	E559-f2: ACATGGAGAATACTTCGAAGTGACCC	E559-r: ACTTGTTTCCTCAAGGATGACACC
E592	E592-f2: GAGATCATAACAAGCATCAGACGGAGC	E592-r2: AATCATTCTCTGGCTTTCAGCAAAGC