Supplementary Table S1. List of primers used for the present study

Primer Name[a]	Sequence (5′ – 3′)	Amplicon size (bp)	Annealing temperature (°C)
For PCR			
FvH4_5g24630-F1	GTGGCGGTGTTTAGGTGTCT	411	60
FvH4_5g24630-R1	TAGAACATTTTGCGCTCACG		
FvH4_5g24630-F2	GGTGTCTTCTTCGTGGTGGT	461	60
FvH4_5g24630-R2	GATCAACTGCCTTGCGTACA		
FvH4_4g20050-F	TCTCTTTCGTCGCTTCCTTC	800	60
FvH4_4g20050-R	CCAAACTGGAAAATCCCAAA		
FvH4_7g05680-F	GAGGCAACACAACTGGTTCA	429	55
FvH4_7g05680-R	GAACTAATCGCGGAATCCAA		
FvH4_1g22440-F1	TCGGGAGTTCTCTTGCTGTT	582	60
FvH4_1g22440-R1	TGAAGGTTGCAGAAGACACG		
FvH4_1g22440-F2	TTTGGATCTTCCCGATTACG	482	60
FvH4_1g22440-R2	CCAACATTCCCCAAAAATTG		
FvH4_6g53350-F	TTTCTATGGCTTCCCTGTCG	569	55
FvH4_6g53350-R	AGAACGGAAGTGCCATCATC		
FvH4_7g20440-F	CTATGGCGAAAACACGGAAC	593	60
FvH4_7g20440-R	AGAGATGCCGGATCTGTGAA		
FvH4_7g20440-F2	CTGGTACGCGGAGGGTAGTA	662	60
FvH4_7g20440-R2	CTCCTCGACGGTAGACTTGG		
FvH4_3g14180-F1	CAAGATGCTGCTCATTTGGA	648	60
FvH4_3g14180-R1	CAGGGCATGACCTACACCTT		
FvH4_3g14180-F2	GGCAGCATAGTTGCAGTGAA	545	60
FvH4_3g14180-R2	GCTCTGCCAAAGACACAACA		
FvH4_5g16110-F1	CAGAATGTGGTGGGTGAGTG	643	60
FvH4_5g16110-R1	TTGGAAGGGACGATTACGAG		
FvH4_5g16110-F2	AACCTGCATTGTGGGATAGC	597	60
FvH4_5g16110-R2	AAACCAAGCGTTGGTGAAAC		
FvH4_6g34080-F1	CGGAAAAGGGCAATCACTCT	624	60
FvH4_6g34080-R1	ATCTTCTTGTGTCGGCATGG		
FvH4_6g34080-F2	TGGCAAGCGATCCACTTAAT	441	60
FvH4_6g34080-R2	GGCAGGCCAATACAGTAACG		
FvH4_5g16070-F1	GCAGGAGGTTCAGAAAGGTG	697	60
FvH4_5g16070-R1	GTTTTCAGCAAGGAGCCAAG		
FvH4_5g16070-F2	AAGCTGCGCCATATTGAACT	415	60
FvH4_5g16070-R2	CAGCAACAAGGTCAGCAAAA		
FvH4_3g21000-F	TTTCTAGCGTGACCGGTTCT	501	60
FvH4_3g21000-R	CTTCTTCCGAGCATTTTTGG		
FvH4_1g22450-F	CCGGTACTCTGGTGAAGCAT	632	60
FvH4_1g22450-R	GGGGTGAAAAAGAGCAAACA		
GW_FvH4_1g22450-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGGATCCGTGGGTTGATGT	1363	60
GW_FvH4_1g22450-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TTAAACATCCTCTGTCATAA		

Primer Name[a]	Sequence (5′ – 3′)	Amplicon size (bp)	Annealing temperature (° C)
EF1a-F[b]	CTGTAACAAGATGGATGCCACC	803	60
EF1a-R	GGCGCATGTCCCTCACAGCAA		
For RT-PCR			
GW_FvH4_1g22440-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGATGTCTTTAGCCAAAAC	1180	60
GW_FvH4_1g22440-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*CTATCTGCCGGTGGTGCCTT		
GW_FvH4_7g20440-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGGCGAAAACACGGAACA	1768	60
GW_FvH4_7g20440-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*GTCCTACTTAAGCCAGTCCT		
GW_FvH4_5g24630-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGGTGACTGTGTTTGGGCGT	292	60
GW_FvH4_5g24630-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TCAGCCTCCATAGCCACGTAC		
GW_FvH4_6g34080-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGGAATATCACCAGTTCTA	721	60
GW_FvH4_6g34080-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TTAATCTTCTTGTGTCGGCAT		
GW_FvH4_5g16110-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGCTGATTCTCGAAATACT	2905	60
GW_FvH4_5g16110-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TCACGATTGAATTATTCCA		
GW_FvH4_5g16070-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*TTGACCTTGCCTTCCTTCT	3228	60
GW_FvH4_5g16070-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TCATGTGAACCGAAAAAGAT		
GW_FvH4_1g22450-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGGATCCGTGGGTTGATGT	1197	60
GW_FvH4_1g22450-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TTAAACATCCTCTGTCATAA		
GW_FvH4_6g18970-F	*GGGGACAAGTTTGTACAAAAAAGCAG GCT*ATGGAGGCGCCGGGGTCCCT	2602	60
GW_FvH4_6g18970-R	*GGGGACCACTTTGTACAAGAAAGCTGG GT*TCATGTAGCCACCATGCGCG		

[a]Primer name refers to the *F. vesca* Hawaii v4.a1 gene ID; F and R indicate forward and reverse primers, respectively; GW indicates attB1 or attB2 sequences (in italics) from the Gateway cloning system. [b]*EF1a* gene (*Elongation factor 1 alpha*) primer sequences used in this study were obtained from Clancy *et al*.[1]