

Supplementary Table S3: Primers used to amplify specific gene fragments for producing and verifying OSCAR deletion mutants of *Ophiostoma novo-ulmi* ssp. *novo-ulmi*.

Primer	5'-3' Primer sequence*	
Oao1F_-1031_attB2r	GGGGACAGCTTTCTTGTACAAA GTGGAATACTGGCGGATTCTTC GACTC	Primers used for amplification of 1kb of the downstream region of <i>aox1</i> with site-specific recombination to produce the deletion construct
Oao1R_-3_attB1r	GGGGACTGCTTTTTTGTACAAA CTTGTCGAATTATTTTGGTCGC TGAC	
Oao1F_2507_attB4	GGGGACAACCTTTGTATAGAAA AGTTGTTGTGGTCAGTAGTGGA CAACTG	Primer used for amplification of the upstream region of <i>aox1</i> with site-specific recombination to produce the deletion construct
Oao1R_3632_attB3	GGGGACAACCTTTGTATAATAAA GTTGTCTTGTCATTTGCCATACG CGG	
Oao1F_236 Oao1R_840	ACCTCGACCACAACCTCAAAG ATGAGACAACCGGTGGAAGAG	Primers used for amplification of Δ <i>aox1</i> fragment
Bct2F_-1050_attB2r	GGGGACAGCTTTCTTGTACAAA GTGGAATTCCCAAACGGGCTCT ATTC	Primers used for amplification 1kb of the downstream region of <i>bct2</i> with site-specific recombination to produce the deletion construct
Bct2R_-1_attB1r	GGGGACTGCTTTTTTGTACAAA CTTGTAATGAGGGAAAATGGCT ATG	
Bct2F_1890_attB4	GGGGACAACCTTTGTATAGAAA AGTTGTTTTTTGTTATTCTCTCAT TGCC	Primer used for amplification of the upstream region of <i>bct2</i> with site-specific recombination to produce the deletion construct
Bct2R_2903_attB3	GGGGACAACCTTTGTATAATAAA GTTGTGGGTCTGTCGCACATTA TC	
Bct2F_539 Bct2R_1111	TCCACCTCCACATTCAAGACG AAACCCATCTTTTGCTGACGC	Primers used for amplification of Δ <i>bct2</i> fragment
Opf2F_-953_attB2r	GGGGACAGCTTTCTTGTACAAA GTGGAAAGGCAGAATCGGACC GAGACGG	Primers used for amplification 1kb of the downstream region of <i>opf2</i> with site-specific

Opf2R_-1_attB1r	GGGGACTGCTTTTTGTACAAA CTTGT GGTGGGAGTTCAGAGGT TGAAG	recombination to produce the deletion construct
Opf2F_2446_attB4	GGGGACAACTTTGTATAGAAA AGTTGTTT GCTTATGCCAGGG ACGGACC	Primer used for amplification of the upstream region of <i>opf2</i> with site-specific recombination to produce the deletion construct
Opf2R_3468_attB3	GGGGACAACTTTGTATAATAAA GTTGT ACCATTTGCCTCCATGG AAGC	
Opf2R_254 Opf2R_873	TTGCTCCAACCTTCGGGTCTAC GTCGCGTATGGGTCATTGG	Primers used for amplification of $\Delta opf2$ fragment
