

Supplementary Materials: Effects of Disruption of Five *FUM* Genes on Fumonisin Biosynthesis and Pathogenicity in *Fusarium proliferatum*

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Table S1. Primers used in our experiments.

Primer Name	Sequence	Product (bp)
<i>FUM1</i> -FD-F	CTATAGGGCGAATTGGGTACCTTGCTGGTGATCTTGCAGAG	1142
<i>FUM1</i> -FD-R	CATTCATTGTTGACCTCCACTAACGAGTATAAGGTTACGGTGGAT	
<i>FUM1</i> -BK-F	GGGCAAAGGAATAGAGTAGATGAGGAGATTCTCAACTCTGGCACT	1542
<i>FUM1</i> -BK-R	CGCTCTAGAACTAGTGGATCCGCTACAGACCTCTTGGGTGC	
<i>FUM1</i> -YZ-F	TCAGGCATTTTCGTCAGTT	750
<i>FUM1</i> -YZ-R	GAAGGTCTCGTATTCGTCC	
<i>FUM1</i> -YZS-F	ATTGAGTCTCTGTTGGATGA	1912
<i>FUM1</i> -YZS-R	TAAGTCAGATTGAATCTGAA	
<i>FUM21</i> -FD-F	CTATAGGGCGAATTGGGTACCGGCATCACAATCTATTAGTTCCT	1223
<i>FUM21</i> -FD-R	AGGCATTCATTGTTGACCTCCACTAAGACTTCAGCAAGGTCCACA	
<i>FUM21</i> -BK-F	CGAGGGCAAAGGAATAGAGTAGATGGCTCTTGCGCTACGCTATAA	1356
<i>FUM21</i> -BK-R	TCCCCGGGCTGCAGGAATTCAAACCTCCTGGTACGCCCT	
<i>FUM21</i> -YZ-F	TTTCCAGAGTCCATTCTTACAC	714
<i>FUM21</i> -YZ-R	CGCCATCTACGACCACAA	
<i>FUM21</i> -YZS-F	TAAATACTTTAAGTATTACT	1966
<i>FUM21</i> -YZS-R	TAAGTCAGATTGAATCTGAA	
<i>FUM6</i> -FD-F	GGTATCGATAAGCTTGATATCCTTGAGATTGGAAAAAGAGACT	1253
<i>FUM6</i> -FD-R	AGGCATTCATTGTTGACCTCCACTAATTCTGGGGTAGCTATGTT	
<i>FUM6</i> -BK-F	CGAGGGCAAAGGAATAGAGTAGATGCGTTTGGGTTGGGGCTT	1421
<i>FUM6</i> -BK-R	AAAGCTGGAGCTCCACCGGATTGCAGGGAGATACCTTACA	
<i>FUM6</i> -YZ-F	TCCTTCTTGACCGCATAAC	756
<i>FUM6</i> -YZ-R	GATTGTCACGCCTTTGTT	
<i>FUM6</i> -YZS-F	TTCAGATTCAATCTGACTTA	1962
<i>FUM6</i> -YZS-R	TAAGTCAGATTGAATCTGAA	
<i>FUM8</i> -FD-F	GGTATCGATAAGCTTGATATCTCGTCGCGGGTATGTAGTAGA	1407
<i>FUM8</i> -FD-R	AGGCATTCATTGTTGACCTCCACTAGGAGGTTGTTGTCACAGGTTT	
<i>FUM8</i> -BK-F	CGAGGGCAAAGGAATAGAGTAGATGAATGGGTGCTGATGGCTTG	1235
<i>FUM8</i> -BK-R	AGAAGTGTGGATCCCCGGGGGAGACCTTGTGACAATTC	
<i>FUM8</i> -YZ-F	GTTCTGTGGCAGATTAGA	834
<i>FUM8</i> -YZ-R	CCAACCTTTAGCATTCC	
<i>FUM8</i> -YZS-F	AAAAGCCTTCAATTCAACA	1874
<i>FUM8</i> -YZS-R	TAAGTCAGATTGAATCTGAA	
<i>FUM19</i> -FD-F	CTATAGGGCGAATTGGGTACCGCTTGACTGGGAGGCACA	1547
<i>FUM19</i> -FD-R	AGGCATTCATTGTTGACCTCCACTATTATCGCAAGGGGCTCAC	

<i>FUM19</i> -BK-F	CGAGGGCAAAGGAATAGAGTAGATGAGTATGAGCGTGC GTTGAGA	1148
<i>FUM19</i> -BK-R	AGAACTAGTGGATCCCCCGGGCTTGTGGGTTAGTTTCGTGGT	
<i>FUM19</i> -YZ-F	CAAATTGCTCACAACCGAG	754
<i>FUM19</i> -YZ-R	ACCAACTTGCCCTACGCT	
<i>FUM19</i> -YZS-F	ATATTTTATAGTCTAACCT	2054
<i>FUM19</i> -YZS-R	TAAGTCAGATTGAATCTGAA	
<i>HygR</i> -F	TAGTGGAGGTCAACAATGAAT	1357
<i>HygR</i> -R	CATCTACTCTATTCCCTTGCC	
<i>RTFUM1</i> -F	CCAACTCTTCTTCCCTGCTA	119
<i>RTFUM1</i> -R	CACCCTCTACCTCCCACA	
<i>RTFUM6</i> -F	CTGGAAAGTATGCGGTCAA	101
<i>RTFUM6</i> -R	GCAGAACTCATCAGCGTCA	
<i>RTFUM8</i> -F	GCGGAACGAGAAATAGTGA	117
<i>RTFUM8</i> -R	TGCTGGGTTGAAAGGGAG	
<i>RTTUB</i> -F2	ACATCCAGACAGCCCTTTGTG	106
<i>RTTUB</i> -R2	AGTTTCCGATGAAGGTCGAAGA	

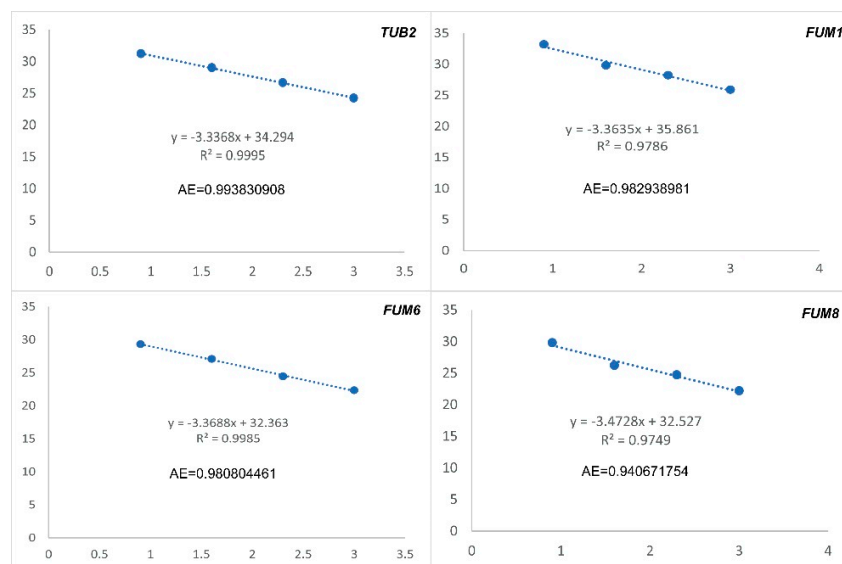


Figure S1. Amplification efficiencies (AEs) of qRT-PCR primer pairs.