

Additional file 5: Details and sequences for the *MLO*-specific TALEN constructs.

Name, description, source	Sequence
short 35S promoter [1]	GGTCTCAGGAGGTCAACATGGTGGAGCAGCAGCACTCTGGTCTACTCCAAAAATGTCAAAGATACAGTCTCAGAAGATCAAAGGGCTATTGAGACTTTTCAACAAAGGATAATTTCCGGAAACCTCCTCGGATTCCATTGCCAGC TATCTGTCACTTCATCGAAAGGACAGTAGAAAAGGAAGTGGCTCCTACAAATGCCATCATTGCCGATAAAGGAAAGGCTATCATTCAAAGATCTCTGCCGACAGTGGTCCCAAAGATGGACCCCAACCCACGAGGAGCATCGTG GAAAAAGAAGAGGTTCCAACCCAGTCTACAAAGCAAGTGGATTGATGTGACATCTCCAATGACGTAAGGGATGACGCACAATCCCACATCTCTCGCAAGACCCCTCTCTATATAAGGAAGTTCATTTCATTGGAGAGGACAC GCTCAAGTATAAGAGTCTATTTTACAACAATTACCAACAACAACAACAACAACAACATTACAATTACATTACAATTATCGATACAATGTGAGACC
HA-NLS [2]	GGTCTCAAATGGGCTACCCCTTACGACGTGCCTGACTACGCCTCTAGACCCAAGAAAAAGCGGAAAGTGGGCATCCACGCTATGTGAGACC
truncated N-terminus of <i>AvrBs3</i>	GGTCTCTTATGGATCTACGCACGCTCGGCTACAGCCAGCAGCAACAGGAGAAGATCAAACCGAAGGTTCGTTCGACAGTGGCGCAGCACCAGGAGGACTGGTCGGCCATGGGTTTACACACGCGCACATCGTTGCGCTCAG CCAACACCCGGCAGCGTTAGGGAACCGTCGCTGTCAAGTATCAGGACATGATCGCAGCGTTGCCAGAGGCGACACAGAAAGCATCGTTGGCGTCGGCAAAACAGTGGTCCGGCGCACGCGCCCTGGAGGCGCTTGCTCACGCT GGCGGGAGAGTTGAGAGGTCCACCGTTACAGTTGGACACAGGCCAACTCTCAAGATTGCAAAACGTGGCGCGTGACCGCAGTGGAGGCGAGTGCATGCATGGCGCAATGCATGACGGGTGCCCCCTGAACCTTACGCG GTCTTCCATAATGAGACC
truncated C-terminus of <i>AvrBs3</i> analog to +28 [3]	GGTCTCTATAAGGGAAGACGGCGCTGGAGAGCATTGTTGCCAGTTATCTCGCCCTGATCCGGCGTTGGCCGCTTGACCAACGACCACTCGTCGCTTGGCTGCCTCGGCGAAGCGGGCGAAGCGGTGTGAGACC
<i>FokI</i> [4]	GGTCTCAGGTGGTCAGCTAGTGAATCTGAATTGGAAGAGAAGAAATCTGAACCTTAGACATAAAATGAAATATGTGCCACATGAATATATTGAATTGATTGAAATCGAAGAAATTCAACTCAGGATAGAATCCTTGAAATG AAGGTGATGGAGTCTTTATGAAGGTTTATGGTTATCGTGGTAAACATTTGGGTGGATCAAGGAAACACGAGGAGCAATTTACTGTCCGATCTCCTATTGATTACGGTGTGATCGTTGATACTAAGGCATATTACAGGAG GTTATAATCTTCAATTTGGTCAAGCAGATGAAATGCAAGATATGTGCAAGAGAATCAAAACAAGAAACAGCATATCAACCTAATGAATGGTGGAAAGTCTATCCATCTTCAGTAACAGAATTTAAGTCTTGTGTTGTGAGT GGTCAATTTCAAAGGAACTACAAAGCTCAGTTTACAAGATTGAATCATATCTACTAATTTGAATGGAGCTGTTCTTAGTGTAGAAGAGCTTTTGATTGGTGGAGAAATGATTAAAGCTGGTACATTGACACTTGAGGAAGTGA GAAGGAAATTAATAACGGTGAGATAAACTTTTAGGCTTTGAGACC
<i>OCS</i> terminator [1]	GTCTCAGCTTGTCTGCTTTAATGAGATATGCGAGAAGCCTATGATCGCATGATATTTGCTTTCAATCTGTTGTGCACGTTGTAAAAAACCTGAGCATGTGTAGCTCAGATCCTTACCGCCGGTTTCGGTTCATTCTAATGAATATA TCACCCGTTACTACTCGTATTTTATGAATAATATTTCCGTTCAATTTACTGATTGTACCCCTACTACTTATATGTACAATATTAATAAGAAACAAATATATTGTGCTGAATAGGTTTATAGCGACATCTATGATAGAGCGCCACAATAA CAAAACAATTGCGTTTATTATTACAAATCCAATTTTAAAAAAGCGGCAGAACCGGTCAAACCTAAAAGACTGATTACATAAAATCTTATTCAAATTTCAAAGTGCCCAAGGGGCTAGTATCTACGACACACCGAGCGCGCAACTA ATAACGCTCACTGAAGGGAACCTCCGGTCCCGCGCGCGCATGGGTGAGATTCTTGAAGTTGAGTATGGCCGTCGCTCTACCGAAAGTTACGGGCACCATCAACCCGGTCCAGCAGCGCGCGGGTAACCGACTTGCT GCCCGGAGAATTATGCAGCATTTTTTGTGTATGTGGGCCCAATGAAGTGCAGGTCAAACCTTGACAGTGACGACAAATCGTTGGCGGGTCCAGGGCGAATTTGCGACAACATGTCGAGGCTCAGCAGGACCGCTTGAG ACC
pUC57_ <i>Bpil</i> / <i>KpnI</i> _shuttle (M13F to M13R) Kanamycin Resistance [4]	TGTAAAACGACGGCCAGTGAATTCGAGCTCGGTACCTGCTTGTCTTCTTAAAGTAGCGTCAGTTAAGAAGACTGGGAGGTACCTCGCAATGCATCTAGATATCGGATCCCGGGCCGTCGACTGCAGAGCGCTGCATGCA AGCTTGGCGTAATCATGGTCATAGCTGTTTCTCG GAAGACAAGTAAAGCGGAGGATCATGAGCGGAGAATTAAGGAGTACGTTATGACCCCGCCGATGACGCGGGACAAGCCGTTTACGTTTGAAGTACGAGAACCGCAACGTTGAAGGAGCCACTCAGCCGCGGGTTTCT GGAGTTTAATGAGCTAAGCACATACGTAGAACCAATTATTGCGCGTTCAAAAGTGCCTAAGGTCACTATCAGCTAGCAAATATTTCTGTCAAAAATGCTCCACTGACGTTCCATAAATCCCTCGGTATCCAATTAGAGTCTC ATATTCACTCTCAATCCAAATAATCTGACCCGGATCTGGATCGTTTGCATGATTGAACAAGATGGATTGCACGCAAGTTCTCCGCGCCCTGGGTGGAGAGGCTATTCCGGCTATGACTGGGCAACAACAGACAATCGGCTGCTC TGATGCCCGCTGTTCCGGCTGTGAGCGCAGGGGCGCCCGGTTCTTTTGTCAAGACCGACCTGTCCGGTGCCTGAATGAATGCAGGACGAGGCGAGCGCGGCTATCGTGGCTGGCCACGACGCGGCGTCTCTTGCAGCT GTGCTCGACGTTGTCACTGAAGCGGGAAGGACTGGTGTCTATTGGGCGAAGTGCAGGGGCGAGGATCTCCTGTCACTCACTTGTCTCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATACGCTTG ATCCGGTACCTGCCATTGCAACCAAGCGAAACATCGCATCGAGCGAGCAGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAAGTTCGCGCAGGCT CAAGGCGCGCATGCCCCAGCGCGATGATCTCGTGTGACCCATGGCGATGCCTGCTTCCGGAATATCATGGTGGAAATGGCCGCTTTCTGGATTCACTGACTGTGGCGGCTGGGTGTGGCGGACCGCTATCAGGACATA GCGTTGGCTACCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTCTCTCGTGTCTTACGGTATCGCCGCTCCCGATTGCGACGCGCATCGCCTTCTATCGCCTTCTTACGAGTCTTCTGAGCGGGACTGTGGG GTTGCAATGACCGACCAAGCGACGCCAACCTGCCATCACGAGATTTGATTCCACCGCCGCTTCTATGAAAGGTTGGGCTTCGGAATCGTTTCCGGGACGCGCGGCTGGATGATCCTCCAGCGCGGGGATCTCATGCTGGAG TTCTTCCGCCACGGGATCTCTGCGGAACAGCGGTCGAAGGTGCCGATATCATTACGACAGCAACGCGCCGACAAGCAACGCCACGATCTGAGCGACAATATGATCGGGCCCGGCTCCACATCAACGCGCTCGGCGCGGAC TGCCAGGCAAGACCGAGATGACCCGCGATATCTGCTGCGTTCGGATATTTCTGTGAGTTCGCCCAACAGACCCGGATGATCCCGCATCGTTCAAACATTTGGCAATAAAGTTTCTTAAGATTGAATCTGTTGCCGGTCTTGC GATGATTATCATATAATTTCTGTTGAATTACGTTAAGCATGTAATAATAACATGTAATGCATGACGTTATTTATGAGATGGGTTTTATGATTAGAGTCCCGCAATTATACATTTAATACGCGATAGAAAAACAAATATAGCGCGC AACTAGGATAAAATATCGCGCGGCTGTCATCTATGTTACTAGACGCTCTCCGAGCTCGAATTTCTAGTTTGTCTTC

References:

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