

TGACCCNNGANNACAAATTTTCGCGTGAGCGGGACCCAGGCAGTAAAGTTGCANGGGGAACCTCTTTCTGTATACCCATCCCATGGCAATGCATGC
ATGCATGCATCAATCCCACATCATGCCTGGCCACCCCATGCAAGGCGCATCATGGTCTA**GTCTTTTCCCGTTCCACATCATAGGTGGTCCCTTT**
ATACCGCTGTCCGTCATTTTAAATATAGTTTTTCATTTTCTCCACCAGCTTATATACCTTAGCAGGAGACATTCCTTCCGTATCTTTACGC
AGCGGTATTTTTCGATCAGTTTTTTCAATTCGGTGATATTCTCATTTTAGCCATTTATTATTTCTTCTCTTTTCTACAGTATTTAAAGATAC
CCCAAGAGCTAATTTAACAAGACGAACTCCAATTCAGTGTCTTGCATTTCTAAAACCTTAAATACCAGAAAACAGCTTTTTCAAAGTTGTTT
TCAAAGTTGGCGTATAACATAGTATCGACGGAGCCGATTTTGAACCGCGGTGATCACAGGCAGCAACGCTCTGTATCGTTACAATCAACATGC
TACCTCCCGGAGATCATCCGTGTTTTCAAACCGGAGCTTAGTTGCCGTTCTTCCGAATAGCATCGGTAACATGAGCAAAGTCTGCCGCTTAC
AACGGCTCTCCCGCTGACGCCGCTCCCGACTGATGGGCTGCCTGTATCGAGTGGTGTATTTGTGCCGAGCTGCCGGTCCGGGAGCTGTGGCTGG
CTGGTGGCAGGATATATTTGGTGTAAACAAATTCAGCCTTAGACAACCTAATAACATTTGCCGAGCTTTTTAATGACTGAATTAACGCCGAA
TTAATTCGGGGATCTGGATTTTAGTACTGGATTTTGGTTTTAGGAATTAGAAATTTATTGATAGAAGTATT [...]

MpRSL1^{GOF5} (Right-border insertion site)

[...] **GGCCGACGTCGCATGCTCCCGGCCCATGGCGCCGCGGAATTCGATTCCTGAATGGCGAATGCTAGAGCAGCTTGAGCTTGGATCAGAT**
TGTCGTTTCCCGCTTCACTTAACTATCAGTGTTCGACCAATTAGAAGGGGCCACGTCGCCACCTCCAATGGCTAGATAGAGGGC
TATTTCCAGGAAGTGAACGAATTCCTTACTGAGATGTTTTACTTTTGTCTTCCAAAGTAGAGGACATACGTGTCTCTGTTCCGAGAGGA
GCACAGAAAGACCTTCCGAAGGTAGTTTTCCGTATCGTTACTACTATCTGTAATCAAAGCTTATCTTCCACTTCTACTTACTACCAATCCC
AGCTTTGACACGTTGCTATCACTGAACGCATGATGGATGTCCATTATGGCTGTTTAACTGTGGGTAGGCTTCGTTTAAAGTAGACACCTAGAATGT
GTGTGGACGGACGGATGGAAGAAAGCTTTCGAACCGAGAGCCTGCTCTAATCGAATTTCTAATCTTCAACACTAGAATATACTATATCACTGAT
TGAGTTCTTCTTCCGGAAGAAAATTAGTACACTGTATGTTAGCTCACCAGTAAGTATCTTACGCGCTACTTTTCAATTTACTAATTAACAC
TAAGCATGCCGCTAATAAGTTCTCATGGTGCAACCGGTGCTCCTCGCGTGTACGGTTGCCGGACTATAGTGACACGTCACACGAGGCCTT
ACTCCGTTAGAGTTGCAGAGGGCTGGATCTTGTGGAATGGCGAAAGTAAGGCAAGTTTTAGCTGGACGTTGGGATGCTCTCTCCATGTTGCCAG
ACTGTCGGTCTCGACCGTAGCCAACAGTAGCGACAGTCATGGTCAATCAAAGCTTGAAGTTCTGTACCTATTTCTCAATTAACATCTGA
CTCGCAACATCACTAGTGAATTCGGCGCCGCTGCAGGTCGACCATATGGGAGAGCTCCCAACGCGTTGGATGCATAGCTTG

MpRsl1-1 (Right-border insertion site)

AATGTTTTCTAGCGATTGTTCTTACAGCAGGGACTCATGCAGCAGAAGAATTATAATGGTGTATCTACGATGAATCACGACAAAAGCAGTACTT
GAGCAGTAATTTCCGTTGTACTTCAACCAATCTTCTAGTTCCACTTTAGATACTACTAACACTATATGAATACATCTACTTCCGAATCAGAGGT
TTGGTGAGAATGCACAGCCAAAATTTGTTGCTCGAGTCATTGTCCGGTAACCTAGTGTTCGTAACCTGGAGACAAATATCTCCGGTAGTCAT
AATCCATCGGAGTCCGTCAAACACTGATAGTTTTAACTGAAGGGCGGAAACGACAATCTGATCCAAGCTCAAGCTGCTCTAGCATTGCCATTCA
GGAATCACTAGTGAATTCGCGGCCCTGCAGGTCGACCATATGGGAGAGCTCCCAACGCGTTGGATGCATAGCTTGAGTATCTATAGTGTAC
CTAAATAGCTTGGCGTAATCATGGTTCATAGCTGTTTTCTGTGTGAAATTTGTTATCCGCTCACAATTCACACAACATACGAGCCGGGAGCATAAA
GTGTAAAGCCTGGGGTGCTAATGAGTGAGCTAATCACATTAATGCGTTGCGCTCACTGCCCGCTTCCAGTCGGGAAACCTGTCTGCCAGC
TGCATTAATGAATCGGCCAACGCGCGGGGAGAGGCGTTTTGCGTATT**GGCGCTCTCCGCTTCCGCTCACTGACTCGCTGCCGCTCGGTTCGTT**
CGGCTCGCGGAGCGTATCAGTCACTCAAAGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGG
NCAGCAAAGCCAGGAACCTAAAAGCCGCTTGTGGCGTTTTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAATTCGACGCTCAA
GTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTTCCCTGGAAGCTCCCTCGTGGCTCTCCTGTTCCGACC [...]

MpRsl1-1 (Left-border insertion site)

[...] **GTCATTTGTTTACACCACAATATAT**ATGGCTATTTGTATTCTACGCAGAAAAAGTGGACACCCTTGAAAGCTTGAGGAAGTGGCCGAACAA
TGCCAGTGGGAATGGGTGAAAGATGCTACTGCTAACCCAAACCATAGGTAATTTGGGAAGGTTTTTCGTCTACAATAGTAACGGAGATAAGGAAG
ATGCTTTGTACGACACTTGGCCACCATCGAGCGTCGGACAAAACCATGCCTTGGATCCGGTACCCGAGACCGATTCTAGGAAGCGATTTCTCCAG
ATGAGTCTGGGGCAACCAACGATACGAATCACAAGCGCCTGCATTTGGTGAAGTTCGCAGAGACTAATTTGATTTTGCACATTTTGGTGGACAT
CGATTCGCGCCTCATACTCTTTCAATGCTCTTTGAGCTCTGGCTGGAGTATGAATCAGTTGACAACTTCCNTTCCAGTTTTCCAGTTTGGCCA
TCATGTGTTTTCCATGCGTGTCCGTTTTCTGCTGAAACAATCGTCCACCAGCAAGTTACNACACCCTCAAGAATGGCCTGTGTGAGAGTAGGA
ATGTGATTAACCTGACCAAAAATCCGAAATTTGTTTAGGAATTTTTCATNCGTC

MpRsl1-2 (Left-border insertion site)

[...] **GTCTAGCGTCATTTGTGTT**ATTTTGCACATTTGTGGTGACATCGATTCCGCGCTCATACTCTTCAATTTGCTCTTTGAGCTCTGGCTGGAG
TATGAATCAGTTGACAACTTCCATTCAGTTTTCCAGTTTGGCCATCATGTTGTTTTCCATGCGTGTCCGGTTTTCTGCTGAACAATCGTCCACC
AGCAAGTTACGACACCCTTCAAGAATGGCCTGTGTGAGAGTAGGAATGTGATTAACCTGACCAAAATCCGAAATTTGTTTAGGAATTTTTCTTC
GTCTACTGACATTTCTGAAACGATCAAACCCATGCAGGACACGCTCCTCAAACGTGCAGACAACGGTTGCGCCTACCCTCTAAAGCGCTCATCT
CATGGGCTCTTCTCTCACATCCACCTGTTCTAAGACTGTAGACGCCATTAACCTTGGGCTCTACCTTACACCAAGTCGAATTCACGACATGCC
GTCCGGCCGGCTTTGAACACCAATCTGAAGCCGCGAGCCGGCAGGCGAGTGCGAACGATCCTCAGAGCATAGCAGCTCGCGTAAGTTCCATTA
TCTGTGCTAAAGCCGACATCGAGTTCTGAGCTCACAGTAGACGTTTTCAATGAGAAGTGGATGTCCAATATGTTAAGTCCGTTGTCTGCTTCTCC
GTATGTGATGGGCCGAAAGCGTATCATGCATCTAACGACCTATTTTCGCGACATTTGTTTGCAGCATCGGAGGGAAACGCATCAGCGAGCGACTG
AAGACTCTACAAGATCTTGTTCCTAATGGTTCCAAGGTAATCGATCAGGAAAGGACGAAGATTTTCTGCTGCTGGGTTAAGAGCGAATATCAG
TGGAACGAGCAAGTTGTGCGCGGAGTAGCCTATAATCTCAATTTTGAATACTTTTCCCGATTCTTGCAATTTAGATGTGCAAT