

A

TN18	ATGGCCATGGGAGCATGGTGGGAGATGAAGAACAGCTTATTAGTGAAGCTGAGTGTATCTGCTGATCGCCATGGCTAACACTGTGCTCGGGATATTCTGCTGCAACCGGT	100
LM6	ATGGCCATGGGAGCATGGTGGGAGATGAAGAACAGCTTATTAGTGAAGCTGAGTGTATCTGCTGATCGCCATGGCTAACACTGTGCTCGGGATATTCTGCTGCAACCGGT	100
TN18	CTGACTCGATTGCCAAGAACACTCGTACATGATAATTTTTTCTTTTCATTCTCTCGTCGACCGTAATTCTGGCTAACCTGCTGCAACCGGT	200
LM6	CTGACTCGATTGCCAAGAACACTCGTACATGATAATTTTTTCTTTTCATTCTCTCGTCGACCGTAATTCTGGCTAACCTGCTGCAACCGGT	200
TN18	CATGGGGTGCAGACGTACACACCTG[GACGACATCAGCGAGACGTGGCGCGGGGGGGTTGCGCCAAGCACCG]CACTTGTAACAAGCCGTGC[G]GGCGGA	300
LM6	CATGGGGTGCAGACGTACACACCTG[GACGACATCAGCGAGACGTGGCGCGGGGGGGTTGCGCCAAGCACCG]CACTTGTAACAAGCCGTGC[G]GGCGGA	300
TN18	AGGGTACGACTCGGCTCTGCGCCCTTCCCTGACCACCTGCTGTAAGAAGAACTGTGTTGATGCTCTGCAGCCACGCAGGAGCAGCTT	400
LM6	AGGGTACGACTCGGCTCTGCGCCCTTCCCTGACCACCTGCTGTAAGAAGAACTGTGTTGATGCTCTGCAGCCACGCAGGAGCAGCTT	400
TN18	TTCTGCCAATGGTGA [UTR; exon; intron]	415
LM6	TTCTGCCAATGGTGA	415

B

TN18	AACAAACACGGTGCCTGGATCAGAACGCCCTAGCTTGTCCACCTAAAGAGAACCAACGGCTTGTCTCCATCCACCCACCTACCCCCACAGAACGAAATG	100
LM6	AACAAACACGGTGCCTGGATCAGAACGCCCTAGCTTGTCCACCTAAAGAGAACCAACGGCTTGTCTCCATCCACCCACCTACCCCCACAGAACGAAATG	100
TN18	GAGTTCAAGCC[AAGGGCAGCGTGTGCGCGGTGATGCTGGTCTGCTCTGCTTCCATGTCGTAAGCCTGAGCGGCCGCTCGCAGACTTAC]TAATT	200
LM6	GAGTTCAAGCC[AAGGGCAGCGTGTGCGCGGTGATGCTGGTCTGCTCTGCTTCCATGTCGTAAGCCTGAGCGGCCGCTCGCAGACTTAC]TAATT	200
TN18	TGCTGCTGTTATGGTATGGACTAACGCTTGTGCCCGCCGGACATTTTTT[CAGACGACAGCGCCGCCGTGGCTGGGGAGGGCGCAATTGCA	299
LM6	TGCTGCTGTTATGGTATGGACTAACGCTTGTGCCCGCCGGACATTTTTT[CAGACGACAGCGCCGCCGTGGCTGGGGAGGGCGCAATTGCA	300
TN18	CGGGGAAGGCCAGCACCCTCGTCCCGTGCATCTCGGACAAGAGCTGCAACAGACGTGCTCCACCGCAGGCTCCACCACCCCCCGCCCGTCCATGGCGCCGCGCTACTG	399
LM6	CGGGGAAGGCCAGCACCCTCGTCCCGTGCATCTCGGACAAGAGCTGCAACAGACGTGCTCCACCGCAGGCTCCACCACCCCCCGCCCGTCCATGGCGCCGCGCTACTG	400
TN18	CAAATTCAAGGCCGCTGCACCTGCCAGAGGGAGTGCTAGGGCAGACGCTCCCGCAGGGCGAGCTCCACCACCCCCCGCCCGTCCATGGCGCCGCC[G]GTCACCTA	499
LM6	CAAATTCAAGGCCGCTGCACCTGCCAGAGGGAGTGCTAGGGCAGACGCTCCCGCAGGGCGAGCTCCACCACCCCCCGCCCGTCCATGGCGCCGCC[G]GTCACCTA	500
TN18	TGTATCTTAACTACCATGTACCCACTGCCGCCCTCTGCGGGTGATGTAATAAAACGTGGCGCGACCCGCCGGCGTCACCGGTGTACGTAGC	594
LM6	TGTATCTTAACTACCATGTACCCACTGCCGCCCTCTGCGGGTGATGTAATAAAACGTGGCGCGACCCGCCGGCGTCACCGGTGTACGTAGC	595

C

TN18	ATGGCGTTCTGGGAGGATCATTGCCGCTGACGAGGAGCATTAGCAGCGGAAGATGATGGAAGGGAAAGAACGACGCCAGGGCGTCCGGTTGTGGCGGC	100
LM6	ATGGCGTTCTGGGAGGATCATTGCCGCTGACGAGGAGCATTAGCAGCGGAAGATGATGGAAGGGAAAGAACGACGCCAGGGCGTCCGGTTGTGGCGGC	100
TN18	AAGCACCGCGCCCGCTGAGGCAGCTTCTGGAGGGTGAGGCAGCTCCATGCTACGGCCGAAGGCCGCCGGCTGAGTTCCGGTAGACCTCAAGAGCTA	200
LM6	AAGCACCGCGCCCGCTGAGGCAGCTTCTGGAGGGTGAGGCAGCTCCATGCTACGGCCGAAGGCCGCCGGCTGAGTTCCGGTAGACCTCAAGAGCTA	200
TN18	CTCCCAGAACCTCGACGACGGCCCTGCTCCACCG[A]TCTCTAG	246
LM6	CTCCCAGAACCTCGACGACGGCCCTGCTCCACCG[G]TCTCTAG	246

D

TN18	ATGGCGAAGTGTCCGCCGCCGCTCTGCTACTGGTGGTGCTGCCCTCTGCGACGGAGGGAGCTGAACGAGAACGGTTGCAAGCGCACGGGTGCCG	100
LM6	ATGGCGAAGTGTCCGCCGCCGCTCTGCTACTGGTGGTGCTGCCCTCTGCGACGGAGGGAGCTGAACGAGAACGGTTGCAAGCGCACGGGTGCCG	100
TN18	GGCTCGCGAGTCCAAGCGATGGGGTGCCGGACTTGCAGCTGTGACGCTCCCCACGGCCCGACGCTCCCGACGCTCC[CACGGCCCCGACGCTCCC]	200
LM6	GGCTCGCGAGTCCAAGCGATGGGGTGCCGGACTTGCAGCTGTGACGCTCCCCACGGCCCGACGCTCCCGACGCTCC	182
TN18	CACACTCCC[GACGCTCCCGACGCTCCCGCTGGTGGGAACCATTAACGGTACCAAGTACAATTACGGCCCGTGGTGGCGCTCCGGCAGATCCCTGCTCAC]	300
LM6	[.....GACGCTCCCGACGCTCCCGCTGGTGGGAACCATTAACGGTACCAAGTACAATTACGGCCCGTGGTGGCGCTCCGGCAGATCCCTGCTCAC]	273
TN18	CCTTGA	306
LM6	CCTTGA	279

**Figure S2. Difference of DNA sequences between TN18 and LM6 for candidate genes have been reported to play roles in aphid resistance.** A, TraesCS1A02G319900; B, TraesCS5B02G329200; C, TraesCS1B02G397300; D, TraesCS2D02G460800; E, TraesCS4A02G015600LC; F, TraesCS6A02G000600; G, TraesCS6A02G418600LC.

E

## **Figure S2.**Continued

F

TN18 LM6	TGGACTCTCTCTCAAAATTGAGTCTTGCAAGTCAGCGGGGATCCAAGTCCACTCCCCACTCCCCAACGCTCCCACGCTGTCGCCGGCG TGGACTCTCTCTCAAAATTGAGTCTTGCAAGTCAGCGGGGATCCAAGTCCACTCCCCACTCCCCAACGCTCCCACGCTGTCGCCGGCG	100 100
TN18 LM6	CGGGCCATGGCGCGATGCCGACGCCCGATCCCTCTGCTGCTCCCTCGCCACCCCTTCCCTGCTCCCCCTGCCGCCGGCCCTCAG CGGGCCATGGCGCGATGCCGACGCCCGATCCCTCTGCTGCTCCCTCGCCACCCCTTCCCTGCTCCCCCTGCCGCCGGCCCTCAG	200 200
TN18 LM6	TCCCCCACCTCAAACCCGGACATCGACCTCGAATAACCTCATCAAGAACGCCGCCCTGACGACGCCACCCCAACGACCCGGAGGACGGGACTT TCCCCCACCTCAAACCCGGACATCGACCTCGAATAACCTCATCAAGAACGCCGCCCTGACGACGCCACCCCAACGACCCGGAGGACGGGACTT	300 300
TN18 LM6	CCCCGACCTCGACGCCACTACGAAGACGAGGACCTCTCGCGACGACGCCGGAGGAGACTCCTCCACCCCTGGCGGCCACGAGGCCAC CCCCGACCTCGACGCCACTACGAAGACGAGGACCTCTCGCGACGACGCCGGAGGAGACTCCTCCACCCCTGGCGGCCACGAGGCCAC	400 400
TN18 LM6	GTGCTCCTCCTCACCGCGCCAACTTACCGCGCTCTCGCGCCCGCACGTGATGGTGAGTTCTACGGCCCTGGTGCGCCACTGCCGCC GTGCTCCTCCTCACCGCGCCAACTTACCGCGCTCTCGCGCCCGCACGTGATGGTGAGTTCTACGGCCCTGGTGCGCCACTGCCGCC	500 500
TN18 LM6	TGGCCCCCACAACGCCGCCGCCGCCGCCCTCGCGAGCAGGGCTGACGTGGCTGGCCAAGGTGGACGCTACCGAGGAGCACGACTGGCGA TGGCCCCCACAACGCCGCCGCCGCCCTCGCGAGCAGGGCTGACGTGGCTGGCCAAGGTGGACGCTACCGAGGAGCACGACTGGCGA	600 600
TN18 LM6	GGCGCACGACGTGAGGGCTACCCACCCCTCTTCATGACGGCGTGCAGGGACTACTCCGGAGAGGACCAAGTGAGCAATTCTGCAGAT GGCGCACGACGTGAGGGCTACCCACCCCTCTTCATGACGGCGTGCAGGGACTACTCCGGAGAGGACCAAGTGAGCAATTCTGCAGAT	700 700
TN18 LM6	CCCCAATTCCCTCCCTGCTCCGGCTCGCAGCTGCTAAGAATTGGTTGTTGTCAGGGACGCCATTGTCGCTGGATCAGCAAGAAGCTGGCC CCCCAATTCCCTCCCTGCTCCGGCTCGCAGCTGCTAAGAATTGGTTGTTGTCAGGGACGCCATTGTCGCTGGATCAGCAAGAAGCTGGCC	800 800
TN18 LM6	TGCGGTTGAGAACCTCACCGCGCTGACGACGCCAGAGAAGGTGTCACCGCGAGCACGCTGGCGTCTGCCCTCTCGACCACCTCTGGTA TGCGGTTGAGAACCTCACCGCGCTGACGACGCCAGAGAAGGTGTCACCGCGAGCACGCTGGCGTCTGCCCTCTCGACCACCTCTGGTA	900 900
TN18 LM6	GCGCCTTCCAGTGGCAGAACCTAACCAAACCCAAAATTCTCAATTCAAACCATGTTACCCAGATTGACCAAGAACATAGTTGTAATCAC GCGCCTTCCAGTGGCAGAACCTAACCAAACCCAAAATTCTCAATTCAAACCATGTTACCCAGATTGACCAAGAACATAGTTGTAATCAC	1000 1000
TN18 LM6	GCCAAACAGCTCATGTGGCCATCATGTTACCCAAAATTAGTTACCATGTCAGAACAAATCTGAGTCACACTGTTCTCTCAGTTCCCTGA GCCAAACAGCTCATGTGGCCATCATGTTACCCAAAATTAGTTACCATGTCAGAACAAATCTGAGTCACACTGTTCTCTCAGTTCCCTGA	1100 1100
TN18 LM6	TGGATGAAATGTCACACTCGATGTTCTGTTACCATGTCAGAACAAATCTGAGTCACACTGTTCTGCTATCGTATGTTAGCTATCGTAG TGGATGAAATGTCACACTCGATGTTCTGTTACCATGTCAGAACAAATCTGAGTCACACTGTTCTGCTATCGTATGTTAGCTATCGTAG	1200 1200
TN18 LM6	TTTGTACCCAAAATTAGTTGACCAAAATACAATGACCTGTATTTCTGAATGCCCTGTTCTGCTACTACTATGTA TTTGTACCCAAAATTAGTTGACCAAAATACAATGACCTGTATTTCTGAATGCCCTGTTCTGCTACTACTATGTA	1300 1300
TN18 LM6	AAATGTCACACTACATGTTCTGTTACCATGTCAGAACGGCTCCGGATGCGCTCATATGTTAGCTATGGACACTTG AAATGTCACACTACATGTTCTGTTACCATGTCAGAACGGCTCCGGATGCGCTCATATGTTAGCTATGGACACTTG	1400 1400
TN18 LM6	ATCCTTAATTACTCTATCATGTTAGTTAGGGTCTCATAGTGATGAGCTGCTGCTGCTCATGATCCAAAATTACATTCG ATCCTTAATTACTCTATCATGTTAGTTAGGGTCTCATAGTGATGAGCTGCTGCTGCTCATGATCCAAAATTACATTCG	1500 1500
TN18 LM6	CTTTGCTCACTACTAGATAAAATGTCACACTGCTGTTACCATGTCAGAACAAATCCGAGATGCGCTTGTATTTTGCTATTCTA CTTGCTCACTACTAGATAAAATGTCACACTGCTGTTACCATGTCAGAACAAATCCGAGATGCGCTTGTATTTTGCTATTCTA	1600 1600
TN18 LM6	CGCTGCATATATATACACTATGGTATAATCTGCTCATCAAATTATAGGGTCTCACAGTGATGAGCTGCTGCTGCTCAAG CGCTGCATATATATACACTATGGTATAATCTGCTCATCAAATTATAGGGTCTCACAGTGATGAGCTGCTGCTGCTCAAG	1700 1700
TN18 LM6	GCTGGAAGATAACCATCAGCTTTATCAGACCAACAGCCCCGATGAGCCAAGCTTCCACATTGACCCGGAGCAAAGGCCCGTCAGTAG GCTGGAAGATAACCATCAGCTTTATCAGACCAACAGCCCCGATGAGCCAAGCTTCCACATTGACCCGGAGCAAAGGCCCGTCAGTAG	1800 1800
TN18 LM6	AAAGAAAGAGGAGGAGAAGCTGACCGTATTGGTATCTCACCTCCGAGTTGCTGCTTCCAGGCCAGCCTTCTCCATTCTTACACGTT AAAGAAAGAGGAGGAGAAGCTGACCGTATTGGTATCTCACCTCCGAGTTGCTGCTTCCAGGCCAGCCTTCTCCATTCTTACACGTT	1900 1900
TN18 LM6	GTGTTGACCGTTAAATTGATAATAATGACCGTGTGCCCCATGCAAGATGGCGAGTTGCTGCTTCCAGGCCAGCCTTCTCCATTCT GTGTTGACCGTTAAATTGATAATAATGACCGTGTGCCCCATGCAAGATGGCGAGTTGCTGCTTCCAGGCCAGCCTTCTCCATTCT	2000 2000
TN18 LM6	TTGATCACCAACCTCACACAGGAGACGCCCTCGATTTGATAATCCAACTCAAGAACGAGCAAGTATGCCATGCTGCTGCCATGGGG TTGATCACCAACCTCACACAGGAGACGCCCTCGATTTGATAATCCAACTCAAGAACGAGCAAGTATGCCATGCTGCTGCCATGGGG	2100 2100
TN18 LM6	CATACTGTCGACCCATGTTACTCTCGCTGACCTGCTGCTTCTAATTGAAATTAGATTGCT CATACTGTCGACCCATGTTACTCTCGCTGACCTGCTGCTTCTAATTGAAATTAGATTGCT	2200 2200

## **Figure S2.**Continued

TN18	CTGGCCATCATGAAAGAACAGCAAATCATTCAAGGGGAAGGTTTCTCTGTGATCGGACAGTGTTCATGAACTTTCTCTGTATGTC	2300
LM6	CTGGCCATCATGAAAGAACAGCAAATCATTCAAGGGGAAGGTTTCTCTGTGATCGGACAGTGTTCATGAACTTTCTCTGTATGTC	2300
TN18	CACGTTTATACTCAAATCCAAGCCATCACTTATTCCTTCTAATAACTTGTGTTGCTGAGGTGGAGTCTCACTAACGACTGATGTC	2400
LM6	CACGTTTATACTCAAATCCAAGCCATCACTTATTCCTTCTAATAACTTGTGTTGCTGAGGTGGAGTCTCACTAACGACTGATGTC	2400
TN18	TCAAATGCAGCTTTATTTGTCCTTGAGCGTGACAATGAGGAAGTGGTGAACCTGTTGCCAATTACTTGGAAATTACTGGACAAGAGACCACGGTA	2500
LM6	TCAAATGCAGCTTTATTTGTCCTTGAGCGTGACAATGAGGAAGTGGTGAACCTGTTGCCAATTACTTGGAAATTACTGGACAAGAGACCACGGTA	2500
TN18	ATGGCTTAAATTGTCATGCCATGTTATCTATCTGTGATTGACAGAAACTATAGAATGCAATAATTGACTTGATTTAATTGCTGCT	2600
LM6	ATGGCTTAAATTGTCATGCCATGTTATCTATCTGTGATTGACAGAAACTATAGAATGCAATAATTGACTTGATTTAATTGCTGCT	2600
TN18	CTTCTGTTGACATCCTGATTGATTACTTGCAGGTTCTGCTTACACTGGAAATGAAAGACGCTAAAGAAGTTTCTCAGTGGTAAATATC	2700
LM6	CTTCTGTTGACATCCTGATTGATTACTTGCAGGTTCTGCTTACACTGGAAATGAAAGACGCTAAAGAAGTTTCTCAGTGGTAAATATC	2700
TN18	GGCACCATGAAGGTAAAGCTTAAATATTGGAAATTCTAGACTCCCTCCGTCTGAAATACTTGTCTTAGAAATGGTTGATCTAGACTTATTT	2800
LM6	GGCACCATGAAGGTAAAGCTTAAATATTGGAAATTCTAGACTCCCTCCGTCTGAAATACTTGTCTTAGAAATGGTTGATCTAGACTTATTT	2800
TN18	TAGTTATAGATACATCCATTATCTGTTCTAGGACAAGTATTCCGGACGGAGGGACTACAGATTGGAAGTAAAATCATAAGAATGTC	2900
LM6	TAGTTATAGATACATCCATTATCTGTTCTAGGACAAGTATTCCGGACGGAGGGACTACAGATTGGAAGTAAAATCATAAGAATGTC	2900
TN18	TGCAAGAGAATATAGTATGTTAGCAATATAAGCTGACGAACGTGTTTGCTTTGCTTCTGTTATTGATGATTATGCTGTTCTTTTATACCGCGTAT	3000
LM6	TGCAAGAGAATATAGTATGTTAGCAATATAAGCTGACGAACGTGTTTGCTTTGCTTCTGTTATTGATGATTATGCTGTTCTTTTATACCGCGTAT	3000
TN18	ATTCTGCTTATATCGTCTATGTTCTCAGAAACTTCATGTCATGTATTTCTCATCTTCGCCAACACTGACTTGTCTCATATTGCCGA	3100
LM6	ATTCTGCTTATATCGTCTATGTTCTCAGAAACTTCATGTCATGTATTTCTCATCTTCGCCAACACTGACTTGTCTCATATTGCCGA	3100
TN18	TTCATCATTGCTGAATGCTGATGTTGAGGCTCTGCTAATGTTATTGGTAGGATGGTATCAAGTACCATGTTCAAGAAAGTACAGTGTCC	3200
LM6	TTCATCATTGCTGAATGCTGATGTTGAGGCTCTGCTAATGTTATTGGTAGGATGGTATCAAGTACCATGTTCAAGAAAGTACAGTGTCC	3200
TN18	ATCTTCTACTTCTGTTAATACCCAGGAATTGCTCAAGATTCCGGAGGACAAAGCTCACACCCTACAAAGTCTGACCCAGTACCTGAATGTC	3300
LM6	ATCTTCTACTTCTGTTAATACCCAGGAATTGCTCAAGATTCCGGAGGACAAAGCTCACACCCTACAAAGTCTGACCCAGTACCTGAATGTC	3300
TN18	GTGAGAAGAATTATCTGATATCTCTTCCCTGCTATTATACACGACAATGAGGCATTCTGTTCCCGTGCGAAATGATGAGGATGTC	3400
LM6	GTGAGAAGAATTATCTGATATCTCTTCCCTGCTATTATACACGACAATGAGGCATTCTGTTCCCGTGCGAAATGATGAGGATGTC	3400
TN18	GTTGTTGCCAAGAGTCTAGATCAAATAGTCTGGATGAATCAAAAGATGTCCTTGGAGGTATGTCAGTTCTGCCAGGTAGTATTGAGAAGATAAA	3500
LM6	GTTGTTGCCAAGAGTCTAGATCAAATAGTCTGGATGAATCAAAAGATGTCCTTGGAGGTATGTCAGTTCTGCCAGGTAGTATTGAGAAGATAAA	3500
TN18	AAATGTTGCTCCATAACGCCGTGCCATTGGACGCAGGTATATGCACCATGGTGGGCATTGTCAGTCAGTGGACCTATCTACAAACAGCTGC	3600
LM6	AAATGTTGCTCCATAACGCCGTGCCATTGGACGCAGGTATATGCACCATGGTGGGCATTGTCAGTCAGTGGACCTATCTACAAACAGCTGC	3600
TN18	CAAGTATCTCGTGGCATCGACTCCCTGTAATAGC AAAATGGACGCCAAACAAATGAGCATCCTCGTGCACAGGCTGTGTCGCTATCTTGTACTT	3700
LM6	CAAGTATCTCGTGGCATCGACTCCCTGTAATAGC AAAATGGACGCCAAACAAATGAGCATCCTCGTGCACAGGCTGTGTCGCTATCTTGTACTT	3700
TN18	CTTCAAACTGGATATTACTGCTAGACTGTCAGGTTGCGCCATCAACAGTCATAGAACCTCTACATACATTGAAACAAATACTAGTTAA	3800
LM6	CTTCAAACTGGATATTACTGCTAGACTGTCAGGTTGCGCCATCAACAGTCATAGAACCTCTACATACATTGAAACAAATACTAGTTAA	3800
TN18	AACGTGTAGAAGTTTCAACACTTCTCACTGGAATGTCAGGTTGCTACTTGTGTTATGGTCACAGAAAGTATAGGTCATTCTGTCGTC	3900
LM6	AACGTGTAGAAGTTTCAACACTTCTCACTGGAATGTCAGGTTGCTACTTGTGTTATGGTCACAGAAAGTATAGGTCATTCTGTCGTC	3900
TN18	CTTACTCCCTCGTCCC AAAATAAGTGTGCTGACTTAGCACAACATTGGTGTGAGCAGACACTTATTTGCGACGGAGGGAGTACAGTATATGATAAA	4000
LM6	CTTACTCCCTCGTCCC AAAATAAGTGTGCTGACTTAGCACAACATTGGTGTGAGCAGACACTTATTTGCGACGGAGGGAGTACAGTATATGATAAA	4000
TN18	ATATTTATTCTGCACCTATTATCCATACGTCAGTGTGATGGTCAAGGGCTAAAGAGGTGCTATGGCTATTGTCAGATTGAAATCAC	4100
LM6	ATATTTATTCTGCACCTATTATCCATACGTCAGTGTGATGGTCAAGGGCTAAAGAGGTGCTATGGCTATTGTCAGATTGAAATCAC	4100
TN18	ATGCGTGTAGGAGTTAGAGACAGGTTAATTGGAAATAGGTCGTTGGCAAGACAGATTGGCTAGGAGAATAGAGACAGAGCTGAGCTATG	4200
LM6	ATGCGTGTAGGAGTTAGAGACAGGTTAATTGGAAATAGGTCGTTGGCAAGACAGATTGGCTAGGAGAATAGAGACAGAGCTGAGCTATG	4200
TN18	GACAAGTTGAGTTGAGCCTCAGAACAGAACACTGTCGCCAGGTTGTAAGGATGGCCCATGTC	4300
LM6	GACAAGTTGAGTTGAGCCTCAGAACAGAACACTGTCGCCAGGTTGTAAGGATGGCCCATGTC	4300

## **Figure S2. Continued**

**Figure S2.** Continued