

Article	Differential expression of the <i>HvCslF6</i> gene late in grain development may explain quantitative differences in (1,3;1,4)- β -glucan concentration in barley
Journal	Molecular Breeding
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Online Resource 5 Alignment of sequences for eight alleles of *HvCslF6*, showing the positions of polymorphisms for which marker assays were developed

	1	10	20	30	40	50	60
AB621318.1 - TR251	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621312.1 - CDC Fibar	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621313.1 - Azhul	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621325.1 - B83-12/21/3	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621322.1 - Beka	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621321.1 - CDC Bold	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621332.1 - Morex	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621319.1 - Nishinohoshi	ATGGCGCCAGCGGTGGCCGGAGGGGGCCGCGTGC	GGAGCAATGAGCCGGTTGCTGCTGCT					
AB621318.1 - TR251	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621312.1 - CDC Fibar	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621313.1 - Azhul	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621325.1 - B83-12/21/3	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621322.1 - Beka	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621321.1 - CDC Bold	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621332.1 - Morex	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621319.1 - Nishinohoshi	GCCGCCGCGCCGGCCAGCGGCAAGCCCTGCGTGT	GCGGCTTCCAGGTTTGC					
AB621318.1 - TR251	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621312.1 - CDC Fibar	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621313.1 - Azhul	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621325.1 - B83-12/21/3	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621322.1 - Beka	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621321.1 - CDC Bold	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621332.1 - Morex	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621319.1 - Nishinohoshi	ACGGGGTTCGGCCCGGTGGCCCTCCGCCGCTCGT	CGCTGGACATGGACATCGT					
AB621318.1 - TR251	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621312.1 - CDC Fibar	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621313.1 - Azhul	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621325.1 - B83-12/21/3	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621322.1 - Beka	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621321.1 - CDC Bold	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621332.1 - Morex	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621319.1 - Nishinohoshi	GGGCAGATCGGCGCGTCAACGACGAGAGCTGGGT	GGGCGTGGAGCTCGGCGAAGATGGC					
AB621318.1 - TR251	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621312.1 - CDC Fibar	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621313.1 - Azhul	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621325.1 - B83-12/21/3	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621322.1 - Beka	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621321.1 - CDC Bold	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621332.1 - Morex	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621319.1 - Nishinohoshi	GAGACCGACGAAAGCGGTGCCCGCTTGACGACCG	CCCCGTATTCCGCACCGAGAAGATC					
AB621318.1 - TR251	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621312.1 - CDC Fibar	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621313.1 - Azhul	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621325.1 - B83-12/21/3	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621322.1 - Beka	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621321.1 - CDC Bold	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621332.1 - Morex	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621319.1 - Nishinohoshi	AAGGGTGTCCCTCCACCCCTACCGGTACGTCCT	CTGCTCCCACTAAACAGAACTCC					
AB621318.1 - TR251	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTATAGTATTT					
AB621312.1 - CDC Fibar	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621313.1 - Azhul	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621325.1 - B83-12/21/3	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621322.1 - Beka	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621321.1 - CDC Bold	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621332.1 - Morex	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621319.1 - Nishinohoshi	CTATATCTGCGTCACACTCAACAATTAATCCAAC	TAAGTCTCTCTACTACTAGTATTT					
AB621318.1 - TR251	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621312.1 - CDC Fibar	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621313.1 - Azhul	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621325.1 - B83-12/21/3	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621322.1 - Beka	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621321.1 - CDC Bold	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621332.1 - Morex	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621319.1 - Nishinohoshi	ATTTTTACTCTCTATCTGCACAACAAGCGCTACT	TACAATTAACCCAACAAGCACCACGCC					
AB621318.1 - TR251	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621312.1 - CDC Fibar	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621313.1 - Azhul	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621325.1 - B83-12/21/3	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621322.1 - Beka	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621321.1 - CDC Bold	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621332.1 - Morex	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					
AB621319.1 - Nishinohoshi	AGGTTGACAGTCAGGATAAATTTGATCTTGACCC	GGAGTAAGTACTAGTACTAGGTCGGTGT					

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AB621318.1 - TR251 CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621312.1 - CDC Fibar CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621313.1 - Azhul CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621325.1 - B83-12/21/3 CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621322.1 - Beka CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621321.1 - CDC Bold CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621332.1 - Morex CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT
AB621319.1 - Nishinohoshi CAAACACGGCGCCGTTTGTGCTGCAAGTGTGCCAGCTCGCACTCATTGACTTGCCAGCTCT

AB621318.1 - TR251 CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621312.1 - CDC Fibar CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621313.1 - Azhul CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621325.1 - B83-12/21/3 CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621322.1 - Beka CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621321.1 - CDC Bold CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621332.1 - Morex CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG
AB621319.1 - Nishinohoshi CTCCTTGGTTGTCAATGAGAACATGATGCCTTTTGGCATTGCAAACTTATTAATACTAG

AB621318.1 - TR251 CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621312.1 - CDC Fibar CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621313.1 - Azhul CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621325.1 - B83-12/21/3 CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621322.1 - Beka CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621321.1 - CDC Bold CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621332.1 - Morex CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA
AB621319.1 - Nishinohoshi CTGTCGTCGGATAGGGAAAAAGAAAAGAAAAGAAAAGAAATAAGAAAAAAGGACAAAGAGA

AB621318.1 - TR251 AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621312.1 - CDC Fibar AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621313.1 - Azhul AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621325.1 - B83-12/21/3 AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621322.1 - Beka AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621321.1 - CDC Bold AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621332.1 - Morex AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA
AB621319.1 - Nishinohoshi AAAGATGAACATGGCGCATGTTCCCTCCAATAATTGCAGGCACCAACTGGGTCGATTA

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AB621312.1 - CDC Fibar ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT
AB621313.1 - Azhul ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT
AB621325.1 - B83-12/21/3 ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT
AB621322.1 - Beka ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT
AB621321.1 - CDC Bold ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT
AB621332.1 - Morex ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT
AB621319.1 - Nishinohoshi ATCCAACAACAATATTTTACTATACCAGACGAGAGTACAGTAGTCGGGTGATGATGGACT

AB621318.1 - TR251 GTAAGTACTGAGTATGAATGACTGTAATGCAGGGTGTGATTTTCGTTTCGTTCTGATCGC
AB621312.1 - CDC Fibar GTAAGTACTGAGTATGAATGACTGTAATGCAGGGTGTGATTTTCGTTTCGTTCTGATCGC
AB621313.1 - Azhul GTAAGTACTGAGTATGAATGACTGTAATGCAGGGTGTGATTTTCGTTTCGTTCTGATCGC
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AB621321.1 - CDC Bold GTAAGTACTGAGTATGAATGACTGTAATGCAGGGTGTGATTTTCGTTTCGTTCTGATCGC
AB621332.1 - Morex GTAAGTACTGAGTATGAATGACTGTAATGCAGGGTGTGATTTTCGTTTCGTTCTGATCGC
AB621319.1 - Nishinohoshi GTAAGTACTGAGTATGAATGACTGTAATGCAGGGTGTGATTTTCGTTTCGTTCTGATCGC

AB621318.1 - TR251 CTTACCGTGTTCGTGATCTGGCGTATCTCCCAAGAACCAGACGCGATGTGGCTGTG
AB621312.1 - CDC Fibar CTTACCGTGTTCGTGATCTGGCGTATCTCCCAAGAACCAGACGCGATGTGGCTGTG
AB621313.1 - Azhul CTTACCGTGTTCGTGATCTGGCGTATCTCCCAAGAACCAGACGCGATGTGGCTGTG
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AB621332.1 - Morex CTTACCGTGTTCGTGATCTGGCGTATCTCCCAAGAACCAGACGCGATGTGGCTGTG
AB621319.1 - Nishinohoshi CTTACCGTGTTCGTGATCTGGCGTATCTCCCAAGAACCAGACGCGATGTGGCTGTG

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AB621312.1 - CDC Fibar GGTGACATCCATCTGCGGCGAGTTCTGGTTTCGGTTTCTCGTGGCTGCTGGATCAGCTGCC
AB621313.1 - Azhul GGTGACATCCATCTGCGGCGAGTTCTGGTTTCGGTTTCTCGTGGCTGCTGGATCAGCTGCC
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AB621321.1 - CDC Bold GGTGACATCCATCTGCGGCGAGTTCTGGTTTCGGTTTCTCGTGGCTGCTGGATCAGCTGCC
AB621332.1 - Morex GGTGACATCCATCTGCGGCGAGTTCTGGTTTCGGTTTCTCGTGGCTGCTGGATCAGCTGCC
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AB621313.1 - Azhul CAAGCTGAACCCCATCAACCCGCTGCCGGACCTGGCGGTGCTGCGGCAGCGCTTCGACCCG
AB621325.1 - B83-12/21/3 CAAGCTGAACCCCATCAACCCGCTGCCGGACCTGGCGGTGCTGCGGCAGCGCTTCGACCCG
AB621322.1 - Beka CAAGCTGAACCCCATCAACCCGCTGCCGGACCTGGCGGTGCTGCGGCAGCGCTTCGACCCG
AB621321.1 - CDC Bold CAAGCTGAACCCCATCAACCCGCTGCCGGACCTGGCGGTGCTGCGGCAGCGCTTCGACCCG
AB621332.1 - Morex CAAGCTGAACCCCATCAACCCGCTGCCGGACCTGGCGGTGCTGCGGCAGCGCTTCGACCCG
AB621319.1 - Nishinohoshi CAAGCTGAACCCCATCAACCCGCTGCCGGACCTGGCGGTGCTGCGGCAGCGCTTCGACCCG

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AB621312.1 - CDC Fibar	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621313.1 - Azhul	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621325.1 - B83-12/21/3	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621322.1 - Beka	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621321.1 - CDC Bold	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621332.1 - Morex	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621319.1 - Nishinohoshi	CCCCGACGGCACCTCCACGCTCCCGGGGCTGGACATCTTCGTACCACGGCCGACCCCAT
AB621318.1 - TR251	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621312.1 - CDC Fibar	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621313.1 - Azhul	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621325.1 - B83-12/21/3	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621322.1 - Beka	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621321.1 - CDC Bold	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621332.1 - Morex	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621319.1 - Nishinohoshi	CAAGGAGCCCATCCTCTCCACCGCCAACCTCGGTGCTCTCCATCCTGGCCGCGGACTACCC
AB621318.1 - TR251	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621312.1 - CDC Fibar	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621313.1 - Azhul	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621325.1 - B83-12/21/3	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621322.1 - Beka	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621321.1 - CDC Bold	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621332.1 - Morex	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621319.1 - Nishinohoshi	CGTGGACCGCAACACATGCTACGTCTCCGACGACAGTGGCATGCTGCTCACCTACGAGGC
AB621318.1 - TR251	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621312.1 - CDC Fibar	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621313.1 - Azhul	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621325.1 - B83-12/21/3	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621322.1 - Beka	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621321.1 - CDC Bold	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621332.1 - Morex	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621319.1 - Nishinohoshi	CCTGGCAGAGTCCCTCCAAGTTCGCCACGCTCTGGGTGCCCTTCTGCCGCAAGCACGGGAT
AB621318.1 - TR251	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621312.1 - CDC Fibar	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621313.1 - Azhul	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621325.1 - B83-12/21/3	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621322.1 - Beka	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621321.1 - CDC Bold	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621332.1 - Morex	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621319.1 - Nishinohoshi	CGAGCCCAGGGGTCGGGAGAGTACTTCGAGCTCAAGTCACACCCCTTACATGGGGAGAGC
AB621318.1 - TR251	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621312.1 - CDC Fibar	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621313.1 - Azhul	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621325.1 - B83-12/21/3	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621322.1 - Beka	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621321.1 - CDC Bold	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621332.1 - Morex	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621319.1 - Nishinohoshi	CCAGGACGAGTTCGTCAACGACCCGCGCGCGTTCGCAAGGAGTACGACGAGTTCAAGGC
AB621318.1 - TR251	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621312.1 - CDC Fibar	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621313.1 - Azhul	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621325.1 - B83-12/21/3	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621322.1 - Beka	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621321.1 - CDC Bold	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621332.1 - Morex	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621319.1 - Nishinohoshi	CAGGATCAACAGCCTGGAGCATGACATCAAGCAGCGCAACGACGGGTACAACGCCGCCAT
AB621318.1 - TR251	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621312.1 - CDC Fibar	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621313.1 - Azhul	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621325.1 - B83-12/21/3	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621322.1 - Beka	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621321.1 - CDC Bold	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621332.1 - Morex	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621319.1 - Nishinohoshi	TGCCACAGCCAAGGCGTGCCTCCGCGCCACCTGGATGGCGGACGGCACCCAGTGGGAGGG
AB621318.1 - TR251	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621312.1 - CDC Fibar	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621313.1 - Azhul	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621325.1 - B83-12/21/3	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621322.1 - Beka	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621321.1 - CDC Bold	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621332.1 - Morex	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT
AB621319.1 - Nishinohoshi	CACATGGGTCGACGCCTCCGAGAACCACCGAGGGGCGACCACGCGGCATCGTACTGGT

AB621318.1 - TR251 CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621312.1 - CDC Fibar CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621313.1 - Azhul CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621325.1 - B83-12/21/3 CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621322.1 - Beka CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621321.1 - CDC Bold CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621332.1 - Morex CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT
AB621319.1 - Nishinohoshi CAGTATCCATCCATCTTTCTGCTGCTTATATTACTCTTAGGTTACTCTTATCGTCTCTTT

AB621318.1 - TR251 CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621312.1 - CDC Fibar CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621313.1 - Azhul CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621325.1 - B83-12/21/3 CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621322.1 - Beka CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621321.1 - CDC Bold CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621332.1 - Morex CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC
AB621319.1 - Nishinohoshi CCTATACCGTACATGCATGCATGCTGCTATTCTTGGAAATCGTGGTTGGTTACTACTCCAC

AB621318.1 - TR251 CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621312.1 - CDC Fibar CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621313.1 - Azhul CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621325.1 - B83-12/21/3 CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621322.1 - Beka CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621321.1 - CDC Bold CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621332.1 - Morex CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG
AB621319.1 - Nishinohoshi CATGCAAAAAATAACAAGAAGAGGAATCTTGGTTAGTTAGGGCCTCGTTGTTATATTAGTG

AB621318.1 - TR251 GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621312.1 - CDC Fibar GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621313.1 - Azhul GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621325.1 - B83-12/21/3 GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621322.1 - Beka GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621321.1 - CDC Bold GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621332.1 - Morex GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA
AB621319.1 - Nishinohoshi GCCATCTGATGTGATGCCTGCCGGCTGTGCCCATCCATATCCATGGAAGATTTTCGACAGA

AB621318.1 - TR251 ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621312.1 - CDC Fibar ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621313.1 - Azhul ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621325.1 - B83-12/21/3 ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621322.1 - Beka ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621321.1 - CDC Bold ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621332.1 - Morex ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG
AB621319.1 - Nishinohoshi ATCGACGTGGTGATAGTGGAGAGTGCAACCACCACCAGAGCCAGCCAAAGCACATGCATG

AB621318.1 - TR251 CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621312.1 - CDC Fibar CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621313.1 - Azhul CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621325.1 - B83-12/21/3 CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621322.1 - Beka CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621321.1 - CDC Bold CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621332.1 - Morex CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG
AB621319.1 - Nishinohoshi CTTCTCTTCTCGTCTCGTCTGTTGGCCAGCAGCGCATTATGCTATTGCTGTGACGAGGG

AB621318.1 - TR251 AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621312.1 - CDC Fibar AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621313.1 - Azhul AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621325.1 - B83-12/21/3 AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621322.1 - Beka AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621321.1 - CDC Bold AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621332.1 - Morex AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC
AB621319.1 - Nishinohoshi AGGAATGGTGGTTGGGGTGGTCCCTTTCCCCCGACAGCACTACAGCCTCCACTTTATGAC

AB621318.1 - TR251 CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621312.1 - CDC Fibar CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621313.1 - Azhul CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621325.1 - B83-12/21/3 CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621322.1 - Beka CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621321.1 - CDC Bold CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621332.1 - Morex CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA
AB621319.1 - Nishinohoshi CCATTTAATTACCGGCCCTGCTTTGTTGTAACCGCCTTCTCACTCAATCAATCATTCA

AB621318.1 - TR251 TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621312.1 - CDC Fibar TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621313.1 - Azhul TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621325.1 - B83-12/21/3 TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621322.1 - Beka TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621321.1 - CDC Bold TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621332.1 - Morex TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG
AB621319.1 - Nishinohoshi TTCATTATAAGTTTACTACTCTTTGTTACTACTCGAACCCTAATCAGGAAGGAGTAG

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AB621318.1 - TR251 GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621312.1 - CDC Fibar GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621313.1 - Azhul GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621325.1 - B83-12/21/3 GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621322.1 - Beka GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621321.1 - CDC Bold GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621332.1 - Morex GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG
AB621319.1 - Nishinohoshi GAGTAATGCAGATTACTATTACAGTTAAAGGAGTAAAAAGAAGGAAGCACAATTACAG

AB621318.1 - TR251 AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621312.1 - CDC Fibar AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621313.1 - Azhul AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621325.1 - B83-12/21/3 AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621322.1 - Beka AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621321.1 - CDC Bold AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621332.1 - Morex AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT
AB621319.1 - Nishinohoshi AACCTTGTTTTTTTTTACTACTGTACGTAAGGTGTAAGAATGGAGTCTGACAGAGAAT

AB621318.1 - TR251 GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621312.1 - CDC Fibar GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621313.1 - Azhul GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621325.1 - B83-12/21/3 GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621322.1 - Beka GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621321.1 - CDC Bold GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621332.1 - Morex GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG
AB621319.1 - Nishinohoshi GGATGCAGGTGCTGCTGAACCACCCGAGCCACCCGCGGACAGCGGCCCGCCGGCGAGCG

AB621318.1 - TR251 CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621312.1 - CDC Fibar CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621313.1 - Azhul CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621325.1 - B83-12/21/3 CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621322.1 - Beka CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621321.1 - CDC Bold CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621332.1 - Morex CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT
AB621319.1 - Nishinohoshi CTGACAACCCACTGGACTTGAGCGGCGTGGATGTGCGTCTCCCCATGCTGGTGTACGTGT

AB621318.1 - TR251 CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621312.1 - CDC Fibar CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621313.1 - Azhul CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621325.1 - B83-12/21/3 CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621322.1 - Beka CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621321.1 - CDC Bold CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621332.1 - Morex CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA
AB621319.1 - Nishinohoshi CCCGTGAGAAGCGCCCCGGGCACGACCACCAGAAGAAGGCCGGTGCCATGAACGCGCTTA

AB621318.1 - TR251 CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621312.1 - CDC Fibar CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621313.1 - Azhul CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621325.1 - B83-12/21/3 CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621322.1 - Beka CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621321.1 - CDC Bold CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621332.1 - Morex CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT
AB621319.1 - Nishinohoshi CCCGCGCTCGGCGCTGCTCTCCAACCTCCCCTTCATCCTCAACCTCGACTGCGATCATT

AB621318.1 - TR251 ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621312.1 - CDC Fibar ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621313.1 - Azhul ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621325.1 - B83-12/21/3 ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621322.1 - Beka ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621321.1 - CDC Bold ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621332.1 - Morex ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG
AB621319.1 - Nishinohoshi ACATCAACAACCTCCAGGCCCTTCGCGCCGGCATCTGCTTTCATGGTGGGACGGGACAGCG

AB621318.1 - TR251 ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621312.1 - CDC Fibar ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621313.1 - Azhul ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621325.1 - B83-12/21/3 ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621322.1 - Beka ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621321.1 - CDC Bold ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621332.1 - Morex ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT
AB621319.1 - Nishinohoshi ACACGGTTGCCTTCGTCCAGTTCGCGCAGCGCTTCGAGGGCGTCGACCCACCGACCTCT

AB621318.1 - TR251 ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621312.1 - CDC Fibar ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621313.1 - Azhul ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621325.1 - B83-12/21/3 ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621322.1 - Beka ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621321.1 - CDC Bold ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621332.1 - Morex ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG
AB621319.1 - Nishinohoshi ACGCCAACCACAACCGCATCTTCTTCGACGGCACCCCTCCGTGCCCTGGACGGCATGCAGG

AB621318.1 - TR251 GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621312.1 - CDC Fibar GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621313.1 - Azhul GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621325.1 - B83-12/21/3 GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621322.1 - Beka GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621321.1 - CDC Bold GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621332.1 - Morex GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA
AB621319.1 - Nishinohoshi GCTGGTCCACGGGATCCCTCGAGATCTTCTTCTCCAAGAACAACCCGCTCTTCGGCAGCA

AB621318.1 - TR251 CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621312.1 - CDC Fibar CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621313.1 - Azhul CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621325.1 - B83-12/21/3 CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621322.1 - Beka CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621321.1 - CDC Bold CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621332.1 - Morex CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG
AB621319.1 - Nishinohoshi CATACCTCCACCCGCTGCAGCGCGTGCCTACATCAACATCAACACTTACCCTTCACCG

AB621318.1 - TR251 CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621312.1 - CDC Fibar CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621313.1 - Azhul CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621325.1 - B83-12/21/3 CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621322.1 - Beka CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621321.1 - CDC Bold CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621332.1 - Morex CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA
AB621319.1 - Nishinohoshi CCATCTTCCCTCATCTTCTACACCACCGTGCCGGCGGTATCCCTTCGTCACCGGCCACTTCA

AB621318.1 - TR251 TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621312.1 - CDC Fibar TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621313.1 - Azhul TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621325.1 - B83-12/21/3 TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621322.1 - Beka TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621321.1 - CDC Bold TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621332.1 - Morex TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC
AB621319.1 - Nishinohoshi TCGTGCAGCGCCGACCACCATTGTTCTACGTTACCTGGGCATCGTGTATCCACGCTGC

AB621318.1 - TR251 TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621312.1 - CDC Fibar TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621313.1 - Azhul TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621325.1 - B83-12/21/3 TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621322.1 - Beka TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621321.1 - CDC Bold TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621332.1 - Morex TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA
AB621319.1 - Nishinohoshi TCGTCATCGCCGCTGCTGGAGGTCAAAGTGGGCCGGGGTACAGTCTTCGAGTGGTTACAGGA

AB621318.1 - TR251 ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621312.1 - CDC Fibar ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621313.1 - Azhul ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621325.1 - B83-12/21/3 ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621322.1 - Beka ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621321.1 - CDC Bold ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621332.1 - Morex ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC
AB621319.1 - Nishinohoshi ACGGCCAGTTCTGGATGACAGCAAGTTGCTCCGCTACCTCGCCGCGTCTGCCAGGTGC

AB621318.1 - TR251 TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621312.1 - CDC Fibar TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621313.1 - Azhul TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621325.1 - B83-12/21/3 TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621322.1 - Beka TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621321.1 - CDC Bold TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621332.1 - Morex TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG
AB621319.1 - Nishinohoshi TGACCAAGGTGATATTCCGGCGGGACATCTCCTTCAAGCTCACATCCAAGCTACCCCTCGG

AB621318.1 - TR251 GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621312.1 - CDC Fibar GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621313.1 - Azhul GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621325.1 - B83-12/21/3 GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621322.1 - Beka GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621321.1 - CDC Bold GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621332.1 - Morex GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA
AB621319.1 - Nishinohoshi GAGACGAGAAGAAGGACCCCTACGCCGACCTTACGTTGGTGGCGTGGACGCCGCTCATGA

AB621318.1 - TR251 TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621312.1 - CDC Fibar TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621313.1 - Azhul TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621325.1 - B83-12/21/3 TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621322.1 - Beka TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621321.1 - CDC Bold TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621332.1 - Morex TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG
AB621319.1 - Nishinohoshi TTACACCCATCATCATCATCTTCGTCACACATCATCGGATCCGCGTGGCCTTCGCCAAGG

AB621318.1 - TR251	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621312.1 - CDC Fibar	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621313.1 - Azhul	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621325.1 - B83-12/21/3	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621322.1 - Beka	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621321.1 - CDC Bold	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621332.1 - Morex	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621319.1 - Nishinohoshi	TTCTCGACGGCGAGTGGACGCACTGGCTCAAGGTCGCCGGCGGGCTCTTCTTCAACTTCT
AB621318.1 - TR251	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621312.1 - CDC Fibar	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621313.1 - Azhul	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621325.1 - B83-12/21/3	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621322.1 - Beka	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621321.1 - CDC Bold	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621332.1 - Morex	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621319.1 - Nishinohoshi	GGGTGCTCTTCCACCTCTACCCCTTCGCCAAGGGCATCCTGGGGAAGCACGGAAAGACGC
AB621318.1 - TR251	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621312.1 - CDC Fibar	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621313.1 - Azhul	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621325.1 - B83-12/21/3	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621322.1 - Beka	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621321.1 - CDC Bold	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621332.1 - Morex	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621319.1 - Nishinohoshi	CAGTCGTGGTGTCTCGTCTGGTGGGCATTACCTTCGTTCATCACCGCCGTGCTCTACATCA
AB621318.1 - TR251	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621312.1 - CDC Fibar	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621313.1 - Azhul	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621325.1 - B83-12/21/3	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621322.1 - Beka	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621321.1 - CDC Bold	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621332.1 - Morex	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621319.1 - Nishinohoshi	ACATCCCCACATGCATACCTCGGGAGGCAAGCACACAACGGTGCATGGTCACCATGGCA
AB621318.1 - TR251	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621312.1 - CDC Fibar	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621313.1 - Azhul	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621325.1 - B83-12/21/3	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621322.1 - Beka	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621321.1 - CDC Bold	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621332.1 - Morex	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA
AB621319.1 - Nishinohoshi	AAGTTGGTCGACACAGGGCTCTATGGCTGGCTCCATTGA

Fig. S5 Alignment of sequences for eight alleles of *HvCsIF6*, showing the positions of polymorphisms (white text on black background) for which marker assays were developed. The sequence for Steptoe (AB621333.1) is identical to that of TR251. The sequences for Akashinriki (AB621314.1), Bowman (AB621309.1), Himalaya (AB621317.1), Logan (AB621323.1) and Shikoku Hadaka 84 (AB621320.1) are identical to that of CDC Bold. The sequences for Derkado (AB621324.1), Haruna Nijo (AB621310.1) and Sachiho Golden (AB621331.1) are identical to that of Beka. The sequence for Minerva (AB621305.1) is identical to that of B83-12/21/3