

A.

	<i>mtrR</i>	
FA19	TTATTTCCGGCGCAGGCAGGGATGGTTTTCCAAGTTGTCCATCATTATCCCGATGATGCG	60
GCGS0276	TTATTTCCGGCGCAGGCAGGGATGGTTTTCCAAGTTGTCCATCATTATCCCGATGATGCG	60
CDC2	TTATTTCCGGCGCAGGCAGGGATGGTTTTCCAAGTTGTCCATCATTATCCCGATGATGCG	60
GCGS0402	TTATTTCCGGCGCAGGCAGGGATGGTTTTCCAAGTTGTCCATCATTATCCCGATGATGCG	60
GCGS0834	TTATTTCCGGCGCAGGCAGGGATGGTTTTCCAAGTTGTCCATCATTATCCCGATGATGCG	60
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FA19	CGGGGCGGTTTTGCCCAAATCGAAACTTTCGCCGGAAGAGAACCAACGCCAAATCAGCCC	120
GCGS0276	CGGGGCGGTTTTGCCCAAATCGAAACTTTCGCCGGAAGAGAACCAACGCCAAATCAGCCC	120
CDC2	TGGGGCAGTTTTGCCCAAATCGAAATTTTCACCGGAAGAGAACCAACGCCAAATCAGCCC	120
GCGS0402	TGGGGCAGTTTTGCCCAAATCGAAATTTTCACCGGAAGAGAACCAACGCCAAATCAGCCC	120
GCGS0834	TGGGGCAGTTTTGCCCAAATCGAAATTTTCACCGGAAGAGAACCAACGCCAAATCAGCCC	120
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FA19	GTCCAACGTCGATTTGATGAAGATGACCGCCGTTTCTTGTCCAAATCGTCAGCCAAATC	180
GCGS0276	GTCCAAGGTTGATTTGATGAAGATAACTGCCGTTTCTTGTCCAAATCGTCAGCCAAATC	180
CDC2	GTCCAAGGTCGACTTGATGAAGATGACCGCCGTTTCTTGTCCAAATCGTCAGCCAAATC	180
GCGS0402	GTCCAAGGTCGACTTGATGAAGATGACCGCCGTTTCTTGTCCAAATCGTCAGCCAAATC	180
GCGS0834	GTCCAAGGTCGACTTGATGAAGATGACCGCCGTTTCTTGTCCAAATCGTCAGCCAAATC	180
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FA19	CTGATTTTTCCACCGCTTCGGTCAAACCGCGGTAATTTTTCTCGCGCCAGATTGCCTGATG	240
GCGS0276	CTGATTTTTCCACCGCTTCGGTCAAACCGCGGTAATTTTTCTCGCGCCAGATTGCCTGATG	240
CDC2	CTGATTTTTCCACCGCTTCGGTCAAACCGCGGTAATTTTTCTCGCGCCAGATTGCCTGATG	240
GCGS0402	CTGATTTTTCCACCGCTTCGGTCAAACCGCGGTAATTTTTCTCGCGCCAGATTGCCTGATG	240
GCGS0834	CTGATTTTTCCACCGCTTCGGTCAAACCGCGGTAATTTTTCTCGCGCCAGATTGCCTGATG	240
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FA19	CTTGCGGGCAATGGCGATAACGGCGGCGTTTTGTTCCGTATGTTTCGCACTTTAAAAACAG	300
GCGS0276	CTTGCGGGCAATGGCGATAACGGCGGCGTTTTGTTCCGTATGTTTCGCACTTTAAAAACAG	300
CDC2	CTTGCGGGCAATGGCGATAACGGCGGCGTTTTGTTCCGTATGTTTCGCACTTTAAAAACAG	300
GCGS0402	CTTGCGGGCAATGGCGATAACGGCGGCGTTTTGTTCCGTATGTTTCGCACTTTAAAAACAG	300
GCGS0834	CTTGCGGGCAATGGCGATAACGGCGGCGTTTTGTTCCGTATGTTTCGCACTTTAAAAACAG	300
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FA19	GATGTTGTGGAATTTGTAGTGGATGTCGTTGCTTTGCAGCCGCTCGAAAAAGTGCAGCAG	360
GCGS0276	GATGTTGTGGAATTTGTAGTGGATGTCGTTGCTTTGCAGCCGCTCGAAAAAGTGCAGCAG	360
CDC2	GATGTTGTGGAATTTGTAGTGGATGTCGTTGCTTTGCAGCCGCTCGAAAAAGTGCAGCAG	360
GCGS0402	GATGTTGTGGAATTTGTAGTGGATGTCGTTGCTTTGCAGCCGCTCGAAAAAGTGCAGCAG	360
GCGS0834	GATGTTGTGGAATTTGTAGTGGATGTCGTTGCTTTGCAGCCGCTCGAAAAAGTGCAGCAG	360
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	D79N	
FA19	CGTGTGGCGGAATACCGTCCAAGAACCTCCTTCGGCATCTGCGGCATCTTGC GCGATGCA	420
GCGS0276	CGTGTGGCGGAATACCGCCCAAGACCCTCCTTCGGCATCTTGC GCGATCTTGC GCGATGCA	420
CDC2	CGTGTGGCGGAATACCGTCCAAGAACCTCCTTCGGCATCTTGC GCGATCTTGC GCGATGCA	420
GCGS0402	CGTGTGGCGGAATACCGTCCAAGAACCTCCTTCGGCATCTTGC GCGATCTTGC GCGATGCA	420
GCGS0834	CGTGTGGCGGAATACCGTCCAAGAACCTCCTTCGGCATCTTGC GCGATCTTGC GCGATGCA	420
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FA19	GTTTTTCGATGTCGTGCGAGATACGTTGGAACAACGCGTCAACAAGTCTTCCTTATTTTT	480
GCGS0276	GTTTTTCGATGTCGTGCGAGATACGTTGGAACAACGCGTCAACAAGTCTTCCTTATTTTT	480
CDC2	GTTTTTCGATGTCGTGCGAGATACGTTGGAACAACGCGTCAACAAGTCTTCCTTATTTTT	480
GCGS0402	GTTTTTCGATGTCGTGCGAGATACGTTGGAACAACGCGTCAACAAGTCTTCCTTATTTTT	480
GCGS0834	GTTTTTCGATGTCGTGCGAGATACGTTGGAACAACGCGTCAACAAGTCTTCCTTATTTTT	480
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FA19	GAAATGCCAATAGAGCGCGCCGCGGTTACGCCGGCGGCTTGGGCGATTTTCGTTGAGCGA	540
GCGS0276	GAAATGCCAATAGAGCGCGCCGCGGTTACGCCGGCGGCTTGGGCGATTTTCGTTGAGCGA	540
CDC2	AAAATGCCAATAGAGCGCGCCGCGGTTACGCCGGCGGCTTGGGCGATTTTCGTTGAGCGA	540
GCGS0402	AAAATGCCAATAGAGCGCGCCGCGGTTACGCCGGCGGCTTGGGCGATTTTCGTTGAGCGA	540
GCGS0834	GAAATGCCAATAGAGCGCGCCGCGGTTATGCCGGCGGCTTGGGCGATTTTCGTTGAGCGA	540
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FA19	CTGCCGCCGTTGCATTGGCACTGTGCTCTTGCGGTAAAGGCCGAGACGCGGCGCAGGGCG	986
GCGS0276	CTGCCGCCGTTGCATTGGTACTGTGCTCTTGCGGTAAAGGCCGAGACGCGGCGCAGGGCG	1139
CDC2	CTGCCTCTGTGCGGTTGGCACTGTATCTTGCGGCAAAGCAGATGAAGCGGCACAGGGCG	983
GCGS0402	CTGCCTCTGTGCGGTTGGCACTGTATCTTGCGGCAAAGCAGATGAAGCGGCACAGGGCG	983
GCGS0834	CTGCCTCTGTGCGGTTGGCACTGTATCTTGCGGCAAAGCAGATGAAGCGGCACAGGGCG	985
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FA19	GGCAGCCTGCGGGTCGGGAAGCCCCGCGCCGTCGTCGCGCTCGTAACCGTCCATCCGC	1046
GCGS0276	GGCAGCCTGCGGGTCGGGAAGCACCGGCTCCCGTCGTCGCGTTCGTAACCGTCCATCCGC	1199
CDC2	GGCAGCCTGCGTGGTCGGGAAGCTCCGGCTCCCGTCGTCGCGCTGTTACCGTCCATCCGC	1043
GCGS0402	GGCAGCCTGCGTGGTCGGGAAGCTCCGGCTCCCGTCGTCGCGTTCGTTACCGTCCATCCGC	1043
GCGS0834	GGCAGCCTGCGGGTCGGGAAGCACCGGCTCCCGTCGTCGCGTTCGTAACCGTCCATCCGC	1045
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FA19	AAACCGTCGCATTGACCGTCGAGTTGCCGGGCGTTTGGAAATCGCTGCGTACCGCCGATG	1106
GCGS0276	AAACCGTCGCATTGACCGTCGAGTTGCCGGGCGTTTGGAAATCGCTGCGTACCGCCGATG	1259
CDC2	AAACCGTTGCGTTGACCGTCGAGTTGCCGGGACGTTTGGAAATCGCTGCGTACCGCCGATG	1103
GCGS0402	AAACCGTTGCGTTGACCGTCGAGTTGCCGGGACGTTTGGAAATCGCTGCGTACCGCCGATG	1103
GCGS0834	AAACCGTTGCGTTGACTGTCGAGTTGCCGGGCGTTTGGAAATCGCTGCGTACCGCCGATG	1105
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FA19	TCCGCGCCCAAGTCGGCGGCATCATCAAAAACGCCTGTTCCAAGAAGGCAGTTATGTCC	1166
GCGS0276	TCCGCGCCCAAGTCGGCGGCATCATCAAAAACGCCTGTTCCAAGAAGGCAGTTATGTCC	1319
CDC2	TCCGTGCGCAAGTTGGCGGCATTTATCAAAAACGCCTGTTCCAAGAAGGCAGTTATGTCC	1163
GCGS0402	TCCGTGCGCAAGTTGGCGGCATTTATCAAAAACGCCTGTTCCAAGAAGGCAGTTATGTCC	1163
GCGS0834	TCCGTGCGCAAGTTGGCGGCATCATTCAAAAACGCCTGTTCCAAGAAGGCAGTTATGTCC	1165
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FA19	GCGCCGGGACAGCCGCTGTATCAGATCGACAGTTCCTACTTATGAAGCAGGTCTGGAAAGCG	1226
GCGS0276	GTGCCGGACAGCCGCTGTATCAGATCGACAGTTCCTACTTATGAAGCAGGTCTGGAAAGCG	1379
CDC2	GTGCCGGACAGCCGCTGTATCAGATCGACAGTTCCTACTTATGAAGCAAGTCTGGAAAGCG	1223
GCGS0402	GTGCCGGACAGCCGCTGTATCAGATCGACAGTTCCTACTTATGAAGCAAGTCTGGAAAGCG	1223
GCGS0834	GTGCCGGACAGCCGCTGTATCAGATTGACAGTTCCTACTTATGAAGCAGGTCTGGAAAGCG	1225
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FA19	CGCGCGCGCAACTGGCAACGGCACAGGCAACGCTTGCCAAAGCGGATGCGGATTTGGCGC	1286
GCGS0276	CGCGCGCGCAACTGGCAACGGCTCAGGCAACGCTTGCCAAAGCGGATGCGGATTTGGCGC	1439
CDC2	CGCGCGCGCAACTGGCAACGGCACAGGCAACGCTTGCCAAAGCGGATGCGGATTTGGCGC	1283
GCGS0402	CGCGCGCGCAACTGGCAACGGCACAGGCAACGCTTGCCAAAGCGGATGCGGATTTGGCGC	1283
GCGS0834	CGCGTGCAGCAACTGGCAACGGCACAGGCAACGCTTGCCAAAGCGGATGCGGATTTGGCGC	1285
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FA19	GTTACAAACCGCTGGTTTCCGCGGATGCCATCAGTAAACAAGAGTACGATGCTGCGGTAA	1346
GCGS0276	GATACAAGCCTTTGGTTGCCGCGAAGCCGTCAGCCGGCAGGAATACGATGCTGCGGTAA	1499
CDC2	GTTACAAACCGCTGGTTGCCGCGGATGCCATCAGTAAACAAGAGTACGATGCGGCGGTAA	1343
GCGS0402	GTTACAAACCGCTGGTTGCCGCGGATGCCATCAGTAAACAAGAGTACGATGCGGCGGTAA	1343
GCGS0834	GTTACAAACCGCTGGTTTCCGCGGATGCCATCAGTAAACAAGAGTACGATGCTGCGGTAA	1345
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FA19	CGGCGAAACGTTCTGCCGAAGCAAGCGTTAAAGCGGCGCAGGCGGCGATCAAATCCGCCG	1406
GCGS0276	CGGCGAAACGTTCTGCCGAGGCAGGTGTTAAAGCAGCACAGGCGGCAATCAAATCTGCCG	1559
CDC2	CGGCGAAACGTTCTGCCGAAGCAGGCGTTAAAGCGGCGCAGGCGGCGATCAAATCTGCCG	1403
GCGS0402	CGGCGAAACGTTCTGCCGAAGCAGGCGTTAAAGCGGCGCAGGCGGCGATCAAATCTGCCG	1403
GCGS0834	CGGCGAAACGTTCTGCCGAGGCAGGCGTTAAAGCGGCGCAAGCGGCGATCAAATCCGCCG	1405
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FA19	GCATCAATCTGAACCGTTTCGCGCATTACCGCGCGATTTCGGGCTTTATCGGTCAGTCCA	1466
GCGS0276	GCATTAATCTGAACCGTTTCGCGCATTACCGCGCGATTTCGGGCTTTATCGGTCAGTCCA	1619
CDC2	GCATCAGCCTGAACCGTTTCGCGCATTACCGCGCGATTTCGGGCTTTATCGGCCAGTCCA	1463
GCGS0402	GCATCAGCCTGAACCGTTTCGCGCATTACCGCGCGATTTCGGGCTTTATCGGCCAGTCCA	1463
GCGS0834	GCATCAGCCTGAACCGTTTCGCGCATTACCGCGCGATTTCGGGCTTTATCGGCCAGTCCA	1465
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FA19	AAGTTTCCGAAGGTACGCTGTTGAATGCGGGCGATACAACCTGTTT TAGCCACCATCCGCC	1526
GCGS0276	AAGTTTCCGAAGGTACGCTGTTGAATGCGGGCGATACGACCGTGCTGGCAACCATCCGCC	1679
CDC2	AAGTTTCCGAAGGTACGCTGTTGAATGCGGGCGATACAACCTGTTT TAGCCACCATCCGCC	1523
GCGS0402	AAGTTTCCGAAGGTACGCTGTTGAATGCGGGCGATACAACCTGTTT TAGCCACCATCCGCC	1523
GCGS0834	AAGTTTCCGAAGGTACGTTGCTGAACGCTGGCGATGCGACCGTACTGGCGACCATCCGCC	1525
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FA19	AAACCAATCCGATGTATGTGAACGTTACCCAGTCTGCATCCGAAGTGATGAAACTGCGCC	1586
GCGS0276	AAACCAATCCGATGTATGTGAACGTTACCCAGTCTGCATCCGAAGTGATGAAACTGCGCC	1739
CDC2	AAACCAATCCGATGTATGTGAACGTTACCCAGTCTGCATCCGAAGTGATGAAACTGCGCC	1583
GCGS0402	AAACCAATCCGATGTATGTGAACGTTACCCAGTCTGCATCCGAAGTGATGAAACTGCGCC	1583
GCGS0834	AAACCAATCCGATGTATGTGAACGTTACCCAGTCTGCATCCGAAGTGATGAAACTGCGCC	1585
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FA19	GGCAGATAGCCGAAGGCAAGCTGCTGGCGGCGGATGGTGCATGCGGTGCGCATCAAAT	1646
GCGS0276	GGCAGATAGCCGAAGGCAAACTGCTGGCGGCGGATGGTGTGATGCGGTGCGCATCAAAT	1799
CDC2	GTCAGATAGCCGAGGGCAAGCTGCTGGCGGCGGATGGTGTGATGCGGTGCGCATCAAAT	1643
GCGS0402	GTCAGATAGCCGAGGGCAAGCTGCTGGCGGCGGATGGTGTGATGCGGTGCGCATCAAAT	1643
GCGS0834	GGCAGATAGCCGAAGGCAAGCTGCTGGCGGCGAGCGGTGCGGTAGCGGTGCGCATCAAGT	1645
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FA19	TTGACGACGGTACGGTTTATCCTGAAAAAGGCCGCTGCTGTTTGTGATCCGACCGTTG	1706
GCGS0276	TTGACGACGGCACGGTTTATCCTGAAAAAGGCCGCTGCTGTTTGTGATCCGACCGTTG	1859
CDC2	TTGACGACGGCACGGTTTATCCTGAAAAAGGCCGCTGCTGTTTGTGATCCGACCGTTG	1703
GCGS0402	TTGACGACGGCACGGTTTATCCTGAAAAAGGCCGCTGCTGTTTGTGATCCGACCGTTG	1703
GCGS0834	TTGACGACGGCACGGTTTATCCTGAAAAAGGCCGCTGCTGTTTGTGATCCGACCGTTG	1705
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FA19	ACGAATCGACCGGTGATGTTACCTGCGCGCCGCGTACCGAACGATCAGAATATCCTGA	1766
GCGS0276	ACGAATCGACCGGTGATGTTACCTGCGCGCCGCGTACCGAACGATCAGAATATCCTGA	1919
CDC2	ACGAATCGACCGGTGATGTTACCTGCGCGCCGCGTACCGAACGATCAGAATATCCTGA	1763
GCGS0402	ACGAATCGACCGGTGATGTTACCTGCGCGCCGCGTACCGAACGATCAGAATATCCTGA	1763
GCGS0834	ACGAATCGACCGGTGATGTTACCTGCGCGCCGCGTACCGAACATCAGAATATCCTGA	1765
	***** ***** ** *	
FA19	TGCCCGGCTGTATGTGCGGTGCTGATGGATCAGGTGGCGGCGGATAATGCATTTCATCG	1826
GCGS0276	TGCCCGGCTGTATGTGCGGTGCTGATGGATCAAGTGGCGGTGGATAACGCATTTCATCG	1979
CDC2	TGCCCGGCTGTATGTGCGGTGCTGATGGATCAAGTGGCGGTGGATAATGCATTTCATCG	1823
GCGS0402	TGCCCGGCTGTATGTGCGGTGCTGATGGATCAAGTGGCGGTGGATAATGCATTTCATCG	1823
GCGS0834	TGGCAGGCTGTATGTGCGGTGCTGATGGATCAAGTGGCGGCGGACAACGCATTTCATCG	1825
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FA19	TTCCACAGCAGGCGGTAACGCGCGGTGCGAAAGATAACCGTGATGATTGTGAATGCCCAAG	1886
GCGS0276	TGCCGACGAGGCGGTAACGCGCGGTGCGAAAGATAACCGTGATGATTGTGAATGCCCAAG	2039
CDC2	TTCCACAGCAGGCGGTAACGCGCGGTACGAAAGATAACCGTGATGATTGTGAACGCCCAAG	1883
GCGS0402	TTCCACAGCAGGCGGTAACGCGCGGTACGAAAGATAACCGTGATGATTGTGAACGCCCAAG	1883
GCGS0834	TGCCGACGAGGCGGTAACGCGCGGTGCGAAAGATAACCGTGATGATTGTGAACGCCCAAG	1885
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FA19	GCGGTATGGAACCCGCGAGGTAACGCTGCGCAACAGCAGGGTACGAATTGGATTGTTA	1946
GCGS0276	GCGGTATGGAACCCGCGAGGTAACGCTGCGCAACAGCAGGGTACGAATTGGATTGTTA	2099
CDC2	GCGGTATGGAACCCGCGAGGTAACGATTGCACAACAGCAGGGTACGAATTGGATTGTTA	1943
GCGS0402	GCGGTATGGAACCCGCGAGGTAACGATTGCACAACAGCAGGGTACGAATTGGATTGTTA	1943
GCGS0834	GCGGTATGGAACCCGCGAGGTAACGCTGCGCAACAGCAGGGTACGAATTGGATTGTTA	1945
	***** ** * ** * ** * ** * ** * ** *	
FA19	CGTCGGTCTGAAGGACGGGACAAGGTGGTTGTGGAAGGCATCAGTATCGCCGGTATGA	2006
GCGS0276	CGTCGGTCTGAAGGACGGGACAAGGTGGTTGTGGAAGGCATCAGTATCGCCGGTATGA	2159
CDC2	CGTCAGGTCTGAAGGACGGGACAAGGTGGTTGTGGAAGGCATCAGTATCGCCGGTATGA	2003
GCGS0402	CGTCAGGTCTGAAGGACGGGACAAGGTGGTTGTGGAAGGCATCAGTATCGCCGGTATGA	2003
GCGS0834	CGTCAGGTCTGAAGGACGGGACAAGGTGGTTGTGGAAGGCATCAGTATCGCCGGTATGA	2005
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FA19	CGGGGGCGAAAAAGGTAACGCCCAAAGAATGGGCGCCGTCTGAAAACCAAGCTGCCGCC	2066
GCGS0276	CGGGTGCGAAAAAGGTAACGCCCAAAGAATGGGCGCCGTCTGAAAACCAAGCCGCCGCGC	2219
CDC2	CGGGTGCGAAAAAGGTAACGCCCAAAGAATGGATGCCGTCTGAAAACCAAGCTGCTGCCG	2063
GCGS0402	CGGGTGCGAAAAAGGTAACGCCCAAAGAATGGATGCCGTCTGAAAACCAAGCTGCTGCCG	2063
GCGS0834	CGGGTGCGAAAAAGGTAACGCCCAAAGAATGGATGCCGTCTGAAAACCAAGCCTCTGCC	2065
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FA19	CTCAAGCCGGCGTTTCCAGACGGCATCTGAAGCCAAACCTGCTTCTGAAGCGAATAAGGAA	2126
GCGS0276	CTCAAGCTGACGTTTCCAGACGGCATCTGAAGCCAAACCTGCTTCTGAAGCGAATAAGGAA	2279
CDC2	CTCAATCCGGCGTTTCCAGACGGCATCTGAAGCCAAACCTGCTTCTGAAGCGAATAAGGAA	2123
GCGS0402	CTCAATCCGGCGTTTCCAGACGGCATCTGAAGCCAAACCTGCTTCTGAAGCGAATAAGGAA	2123
GCGS0834	CTCAAGCCGGCGTTTCCAGACGGCATCTGAAGCCAAACCTGCTTCTGAAGCGAATAAGGAA	2125
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	<i>mtxD</i>	
FA19	GGCATCGATGGCTAAATTTTATCGACCGCCCATTTTCGCGTGGGTTATTTTCGATTTT	2186
GCGS0276	GGCATCGATGGCTAAATTTTATCGACCGCCCATTTTCGCGTGGGTTATTTTCGATTTT	2339
CDC2	GGCATCGATGGCTAAATTTTATCGACCGCCCATTTTCGCGTGGGTTATTTTCGATTTT	2183
GCGS0402	GGCATCGATGGCTAAATTTTATCGACCGCCCATTTTCGCGTGGGTTATTTTCGATTTT	2183
GCGS0834	GGCATCGATGGCTAAATTTTATCGACCGCCCATTTTCGCGTGGGTTATTTTCGATTTT	2185
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FA19	CATTATTGCGGCAGGTATTTTCGGCATTAAAGCCTGCCGGTTTCGCAATATCCGTCCGT	2246
GCGS0276	CATTATTGCGGCAGGTATTTTCGGCATTAAAGCCTGCCGGTTTCGCAATATCCGTCCGT	2399
CDC2	CATCATTGCGGCAGGTATTTTCGGCATTAAAGCCTGCCGGTTTCGCAATATCCGTCTGT	2243
GCGS0402	CATCATTGCGGCAGGTATTTTCGGCATTAAAGCCTGCCGGTTTCGCAATATCCGTCTGT	2243
GCGS0834	CATTATTGCGGCAGGTATTTTCGGCATTAAAGCCTGCCGGTTTCGCAATATCCGTCTGT	2245
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FA19	TGCCGCCCCGACCATTACTTTGCACGCCATTATCCGGGTGCGTCCGCACAAGTGATGGA	2306
GCGS0276	TGCCGCCCCGACCATTACTTTGCACGCCATTATCCGGGTGCGTCCGCACAAGTGATGGA	2459
CDC2	TGCCGCACCGAATATTACCCTGAGGGCTACTTATCCGGGTGCGTCCGCACAAGTGATGGA	2303
GCGS0402	TGCCGCACCGAATATTACCCTGAGGGCTACTTATCCGGGTGCGTCCGCACAAGTGATGGA	2303
GCGS0834	TGCCGCCCCAACCATTACTTTGCACGCCATTATCCGGGTGCGTCCGCACAAGTGATGGA	2305
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FA19	AGGCAGCGTACTTTCCGTGATCGAACGGAATATGAACGGCGTGGAAGGTTTGGACTATAT	2366
GCGS0276	AGGCAGCGTACTTTCCGTGATCGAACGGAATATGAACGGCGTGGAAGGTTTGGACTATAT	2519
CDC2	AGGCAGCGTACTTTCCGTGATCGAACGGAATATGAACGGCGTGGAAGGTTTGGACTATAT	2363
GCGS0402	AGGCAGCGTACTTTCCGTGATCGAACGGAATATGAACGGCGTGGAAGGTTTGGACTATAT	2363
GCGS0834	AGGCAGCGTACTTTCCGTGATCGAACGGAATATGAACGGCGTGGAAGGTTTGGACTATAT	2365
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FA19	GTCCACTTCCGCGGATTCGAGCGGCAGCGGCAGCGTGAGCCTTACGCCCGATAC	2426
GCGS0276	GTCCACTTCCGCGGATTCGAGCGGCAGCGGCAGCGTGAGCCTTACGCCCGATAC	2579
CDC2	GTCCACTTCTGCCGATTCGAGCGGCAGCGGCAGCGTGAGCCTTACGCCCGATAC	2423
GCGS0402	GTCCACTTCTGCCGATTCGAGCGGCAGCGGCAGCGTGAGCCTTACGCCCGATAC	2423
GCGS0834	GTCCACTTCTGCCGATTCGAGCGGCAGCGGCAGCGTGAGCCTTACGCCCGATAC	2425
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FA19	CGACGAGAATCTGGCGCAGGTGGAAGTGCAGAACAAAGCTTCCGAAGTATTGAGCAGCT	2486
GCGS0276	CGACGAGAATCTGGCGCAGGTGGAAGTGCAGAACAAAGCTTCCGAAGTATTGAGCAGCT	2639
CDC2	CGACGAAGATTTGGCTCAGGTGGAGGTGCAAAACAAGCTTCCGAAGTATTGAGCATGTT	2483
GCGS0402	CGACGAAGATTTGGCTCAGGTGGAGGTGCAAAACAAGCTTCCGAAGTATTGAGCATGTT	2483
GCGS0834	GGACGAGAACCTGGCGCAGGTGGAAGTGCAGAACAAAGCTTCCGAAGTATTGAGCAGCT	2485
	**** * * * * *	
FA19	GCCGGCAACCGTCCAGCAATACGGCGTAACCGTATCCAAGGCGGTTCCAATTTTCTGAT	2546
GCGS0276	GCCGGCAACCGTCCAGCAATACGGCGTAACCGTATCCAAGGCGGTTCCAATTTTCTGAT	2699
CDC2	GCCTGCTACCGTCCAGCAATACGGCGTTACCGTATCCAAGGCGGTTCCAATTTTTTCTGAT	2543
GCGS0402	GCCTGCTACCGTCCAGCAATACGGCGTTACCGTATCCAAGGCGGTTCCAATTTTTTCTGAT	2543
GCGS0834	GCCGGCAACCGTCCAGCAGTACGGCGTTACCGTATCCAAGGCGGTTCCAATTTTCTGAT	2545
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FA19	<b>GATTGTGATGCTTTCGTCCGGATGTGCAGTCAACCGAAGAGATGAACGACTACGCGCAGCG</b>	2606
GCGS0276	GATTGTGATGCTTTCGTCCGGATGTGCAGTCAACCGAAGAGATGAACGACTACGCGCAGCG	2759
CDC2	GATTGTGATGCTGTTCGTCCGGATGTGCAGTCAACCGAAGAGATGAACGACTACGCGCAGCG	2603
GCGS0402	GATTGTGATGCTGTTCGTCCGGATGTGCAGTCAACCGAAGAGATGAACGACTACGCGCAGCG	2603
GCGS0834	GATTGTGATGCTTTCGTCCGGATGTGCAGTCAACCGAAGAGATGAACGACTACGCGCAGCG	2605
	***** ** ** *****	
FA19	<b>CAACGTCGTTCCCGAATTGCAGCGTATCGAAGGCGTGGGGCAGGTCCGCCTGTTCCGGCGC</b>	2666
GCGS0276	TAATATCGTTCCCGAAGTGCAGCGTATCGAAGGCGTGGGGCAGGTACGCCTGTTCCGGCGC	2819
CDC2	TAATATCGTTCCCGAGTTGCAGCGTATCGAAGGCGTGGGGCAGGTACGCCTGTTCCGGCGC	2663
GCGS0402	TAATATCGTTCCCGAGTTGCAGCGTATCGAAGGCGTGGGGCAGGTACGCCTGTTCCGGCGC	2663
GCGS0834	CAATATCGTTCCCGAATTGCAGCGTATCGAAGGCGTGGGGCAGGTCCGCCTGTTCCGGCGC	2665
	** *****	
FA19	<b>GCAACGCGCGATGCGGATTTGGGTCGATCCTAAGAACTGCAAACTACAATTTGTCGTT</b>	2726
GCGS0276	GCAACGCGCGATGCGGATTTGGGTCGATCCTAAGAACTGCAAACTACAATTTGTCGTT	2879
CDC2	GCAACGCGCGATGCGGATTTGGGTCGATCCTAAGAACTGCAAACTACAATTTGTCGTT	2723
GCGS0402	GCAACGCGCGATGCGGATTTGGGTCGATCCTAAGAACTGCAAACTACAATTTGTCGTT	2723
GCGS0834	GCAACGCGCGATGCGGATTTGGGTCGATCCTAAGAACTGCAAACTACAATTTGTCGTT	2725
	*****	
FA19	<b>TGCCGATGTCGGCAGCGCGTTGTCGGCGCAGAATATCCAAATTTCCGCAGGTTCCATCGG</b>	2786
GCGS0276	TGCCGATATCGGCAGCGCGTGTTCGGCCAGAAGTCCAGATTTCCGCAGGTTCCATCGG	2939
CDC2	TGCCGATATCGGCAGCGCGTGTTCGGCGCAGAATATCCAGATTTCCGCAGGTTCCATCGG	2783
GCGS0402	TGCCGATATCGGCAGCGCGTGTTCGGCGCAGAATATCCAGATTTCCGCAGGTTCCATCGG	2783
GCGS0834	TGCCGATATCGGCAGCGCGTGTTCGGCCAGAAGTCCAGATTTCCGCAGGTTCCATCGG	2785
	***** ** ** *****	
FA19	<b>TTTCGCTTCCCGCTGTTCGGCGGACAGACGGTTACGGCTACCGTAACGGCGCAAGGGCAGTT</b>	2846
GCGS0276	TTTCGCTTCCCGCTGTTCGGCGGACAGACGGTTACGGCTACCGTAACGGCGCAAGGGCAGTT	2999
CDC2	TTTCGCTTCCCGCTGTTCAGGGCAGACTGTTACGGCTACCGTAACGGCGCAAGGGCAGTT	2843
GCGS0402	TTTCGCTTCCCGCTGTTCAGGGCAGACTGTTACGGCTACCGTAACGGCGCAAGGGCAGTT	2843
GCGS0834	TTTCGCTTCCCGCTGTTCGGCGGACAGACGGTTACGGCTACCGTAACGGCGCAAGGGCAGTT	2845
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FA19	<b>GGGTACGGCAGAAGAATTCCGGCAACGTCATCCTCCGCGCCAATACCGACGGTTCTAATAT</b>	2906
GCGS0276	GGGTACGGCAGAAGAATTCCGGCAACGTCATCCTCCGCGCCAATACCGACGGTTCTAATAT	3059
CDC2	GAGTACGGCAGAAGAATTCCGGCAACGTCATCCTCCGCGCCAATACTGATGGTTCTAATAT	2903
GCGS0402	GAGTACGGCAGAAGAATTCCGGCAACGTCATCCTCCGCGCCAATACTGATGGTTCTAATAT	2903
GCGS0834	GGGTACGGCAGAAGAATTCCGGCAACGTCATCCTCCGCGCCAATACCGACGGTTCTAATAT	2905
	* *****	
FA19	<b>TTACCTGAAGGATGTGGCGAAAGTCGGATTTGGGTATGGAAGACTATTCTTCTCAACCCG</b>	2966
GCGS0276	TTACCTGAAGGATGTGGCGAAAGTCGGATTTGGGTATGGAAGACTATTCTTCTCAACCCG	3119
CDC2	TTACCTGAAGGATGTGGCGAAAGTCGGATTTGGGTATGGAAGACTATTCTTCTCAACCCG	2963
GCGS0402	TTACCTGAAGGATGTGGCGAAAGTCGGATTTGGGTATGGAAGACTATTCTTCTCAACCCG	2963
GCGS0834	TTACCTGAAGGATGTGGCGAAAGTCGGATTTGGGTATGGAAGACTATTCTTCTCAACCCG	2965
	***** * *****	
FA19	<b>CCTGAACGGGTAATAACCACCGGTATGGCGGTAAATGTTGTCCAACAGCGGCAATGCGAT</b>	3026
GCGS0276	TCTGAACGGTGTAAATAACCACCGGTATGGCGGTAAATGTTGTCCAACAGCGGCAATGCGAT	3179
CDC2	TCTGAACGGGTAATAACCACCGGTATGGCGGTAAATGTTGTCCAACAGCGGTAATGCGAT	3023
GCGS0402	TCTGAACGGGTAATAACCACCGGTATGGCGGTAAATGTTGTCCAACAGCGGTAATGCGAT	3023
GCGS0834	TCTGAACGGTGTAAATAACCACCGGTATGGCGGTAAATGTTGTCCAACAGCGGCAATGCGAT	3025
	***** *****	
FA19	<b>GGCGACGGCAAAGGCGGTTAAAGAACGCATGGCGACGTTGGAAAAATACTTTCCTCAGGG</b>	3086
GCGS0276	GGCGACGGCAAAGGCGGTTAAAGAACGCATGGCGACGTTGGAAAAATACTTTCCTCAGGG	3239
CDC2	GGCGACGGCAAAGGCGGTTAAAGAACGCATGGCGACGTTGGAAAAATACTTTCCTCAGGG	3083
GCGS0402	GGCGACGGCAAAGGCGGTTAAAGAACGCATGGCGACGTTGGAAAAATACTTTCCTCAGGG	3083
GCGS0834	GGCGACGGCAAAGGCGGTTAAAGAACGCATGGCGGTTGGAAAAATACTTTCCTCAGGG	3085
	***** *****	

FA19 TATGAGTTGGAAAACCCCTTACGATACTTCCAAATTCGTTGAAATTTTCGATTGAAAAAGT 3146  
GCGS0276 TATGAGCTGGAAAACCCCTTACGATACTTCCAAATTCGTCGAAATTTTCGATTGAAAAAGT 3299  
CDC2 TATGAGCTGGAAAACCCCTTACGATACTTCCAAATTCGTCGAAATTTTCGATTGAAAAAGT 3143  
GCGS0402 TATGAGCTGGAAAACCCCTTACGATACTTCCAAATTCGTCGAAATTTTCGATTGAAAAAGT 3143  
GCGS0834 TATGGGCTGGAAAACCCCTTACGATACTTCCAAATTCGTCGAAATTTTCGATTGAAAAAGT 3145  
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FA19 GATTCACACTTTAATCGAAGCGATGGTGCCTGGTGTGTTGTCGTAATGTACCTCTTCCTGCA 3206  
GCGS0276 GATTCATACTTTAATCGAAGCGATGGTGCCTGGTGTGTTGTCGTAATGTATCTCTTCCTGCA 3359  
CDC2 CATCCATACCCTTGTAGAGGCGATGGTGCCTGGTGTGTTGTCGTAATGTACCTCTTCCTGCA 3203  
GCGS0402 CATCCATACTTTGTAGAGGCGATGGTGCCTGGTGTGTTGTCGTAATGTATCTCTTCCTGCA 3203  
GCGS0834 GATTCACACTTTAATCGAAGCGATGGTGCCTGGTGTGTTGTCGTAATGTATCTCTTCCTGCA 3205  
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FA19 AAACATCCGTTTATACGCTGATTCCGACCATCGTCGTACCGATTTCCTGTTGGGCGGTTT 3266  
GCGS0276 AAACATCCGTTTATACGCTGATTCCGACCATCGTCGTACCGATTTCCTGTTGGGCGGTTT 3419  
CDC2 AAACATCCGTTTATACGCTGATTCCGACCATCGTCGTACCGATTTCCTGTTGGGCGGTTT 3263  
GCGS0402 AAACATCCGTTTATACGCTGATTCCGACCATCGTCGTACCGATTTCCTGTTGGGCGGTTT 3263  
GCGS0834 AAACATCCGTTTATACGCTGATTCCGACCATCGTCGTACCGATTTCCTGTTGGGCGGTTT 3265  
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FA19 CGCCTTCATCTCTTATATGGGCATGTCGATTAACGTATTGACGATGTTTGGCATGATATT 3326  
GCGS0276 CGCCTTCATCTCTTATATGGGCATGTCGATTAACGTACTGACCATGTTTGGCATGTTT 3479  
CDC2 CGCCTTCATCTCTTATATGGGCATGTCGATTAACGTATTGACGATGTTTGGCATGTTT 3323  
GCGS0402 CGCCTTCATCTCTTATATGGGCATGTCGATTAACGTATTGACGATGTTTGGCATGTTT 3323  
GCGS0834 CGCCTTCATCTCTTATATGGGCATGTCGATTAACGTATTGACGATGTTTGGCATGTTT 3325  
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FA19 GGTTCATCGGCATCGTGGTTCGATGACGCGATTGTTGGTGGTTGAAAACGTCGAGCGCATTAT 3386  
GCGS0276 GGTTCATCGGCATCGTGGTTCGATGACGCGATTGTTGGTGGTTGAAAACGTCGAGCGCATTAT 3539  
CDC2 GGTTCATCGGTATCGTGGTTCGATGACGCGATTGTTGGTGGTTGAAAACGTCGAGCGCATTAT 3383  
GCGS0402 GGTTCATCGGTATCGTGGTTCGATGACGCGATTGTTGGTGGTTGAAAACGTCGAGCGCATTAT 3383  
GCGS0834 GGTTCATCGGTATCGTGGTTCGATGACGCGATTGTTGGTGGTTGAAAACGTCGAGCGCATTAT 3385  
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FA19 GGCGGGTGAAGGCTTCCGCCCCAAGAAGCGACCAAAAAAGCGATGGGTTCAGATTTCGGG 3446  
GCGS0276 GGCGGGTGAAGGCTTCCGCCCCAAGAAGCGACCAAAAAAGCGATGGGTTCAGATTTCGGG 3599  
CDC2 GGCGGGTGAAGGCTTCCGCCCCAAGGCTGCAACCAAAAAAGCAATGGGTTCAGATTTCGGG 3443  
GCGS0402 GGCGGGTGAAGGCTTCCGCCCCAAGGCTGCAACCAAAAAAGCAATGGGTTCAGATTTCGGG 3443  
GCGS0834 GGCGGGTGAAGGCTTCCGCCCCAAGAAGCGACCAAAAAAGCGATGGGTTCAGATTTCGGG 3445  
\*\*\*\* \* \*\*

FA19 CGCGGTTCATCGGTATTACCGCCGTTCTGATTTCCGTGTTTCGTGCTTCTGGCGATGTTTCAG 3506  
GCGS0276 CGCGGTTCATCGGTATTACCGCCGTTCTGATTTCCGTGTTTCGTGCTTCTGGCGATGTTTCAG 3659  
CDC2 TGCGGTTCATCGGTATTACTGCTGTTTTGATGTCGTGTTTCGTGCTTCTGGCGATGTTTCAG 3503  
GCGS0402 TGCGGTTCATCGGTATTACTGCTGTTTTGATGTCGTGTTTCGTGCTTCTGGCGATGTTTCAG 3503  
GCGS0834 CGCGGTGGTTCGTATTACCGCCGTTATTGATTTCCGTGTTTCGTGCTTCTGGCGATGTTTCAG 3505  
\*\*\*\* \* \*\*

FA19 CGGGGCGGCGGCAATATTTACAAACAGTTTGCCTGACGATGGCGTCATCAATCGCATT 3566  
GCGS0276 CGGGGCGGCGGCAATATTTACAAACAGTTTGCCTGACGATGGCGTCATCAATCGCATT 3719  
CDC2 CGGGGCAACGGGCAATATCTATAAACAGTTTGCCTGACGATGGCGGTCATCAATCGCATT 3563  
GCGS0402 CGGGGCAACGGGCAATATCTATAAACAGTTTGCCTGACGATGGCGGTCATCAATCGCATT 3563  
GCGS0834 CGGGGCGGCGGCAATATTTACAAACAGTTTGCCTGACGATGGCGGTCATCAATCGCATT 3565  
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FA19 CTCCGCCTTCCTTGCCTGACCTTACCCCTGCTTTGTTGTTGCCACAATGTTGAAGACAAT 3626  
GCGS0276 CTCCGCCTTCCTTGCCTGACCTTACCCCTGCTTTGTTGTTGCCACAATGTTGAAGACAAT 3779  
CDC2 CTCTGCCTTCCTTGCCTGACCTTACCCCTGCTTTGTTGTTGCCACAATGTTGAAGACCAT 3623  
GCGS0402 CTCTGCCTTCCTTGCCTGACCTTACCCCTGCTTTGTTGTTGCCACAATGTTGAAGACCAT 3623  
GCGS0834 CTCCGCCTTCCTTGCCTGACCTTACCCCTGCTTTGTTGTTGCCACAATGTTGAAGACCAT 3625  
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FA19 **CCCGAAAGGGCATCACGAAGAGAAAAAGGTTCTTCGGCTGGTTCAACAAGAAATTCGA** 3686  
GCGS0276 CCCGAAAGGGCATCACGAAGAGAAAAAGGTTCTTCGGCTGGTTCAACAAGAAATTCGA 3839  
CDC2 CCCGAAAGGGCATCACGAAGAGAAAAAGGTTCTTCGGCTGGTTTAACAAAAATTCGA 3683  
GCGS0402 CCCGAAAGGGCATCACGAAGAGAAAAAGGTTCTTCGGCTGGTTTAACAAAAATTCGA 3683  
GCGS0834 TCAAAAGGGGCATCACGAAGAGAAAAAGGCTTTTCGGCTGGTTCAACAAGAAATTCAC 3685  
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FA19 **CAGTTGGACGCACGGCTACGAAGGCCGGGTTGCCAAAGTGC TGC GTAAGACTTTCCGCAT** 3746  
GCGS0276 CAGTTGGACGCACGGTTACGAAGGCCGGGTTGCCAAAGTGC TGC GTAAGACTTTCCGCAT 3899  
CDC2 CAACTGGACACACGGCTACGAAGGCTGGGTTGCCAAAGTAT TGC GCAAGACTTTGCCGCAT 3743  
GCGS0402 CAACTGGACACACGGCTACGAAGGCTGGGTTGCCAAAGTAT TGC GCAAGACTTTGCCGCAT 3743  
GCGS0834 TGCTTGGACGCACGGCTACGAAGGCCGGGTTGCCAAAGT TTTGCGTAAGACTGTGCGTAT 3745  
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FA19 **GATGGTTGTC TATATCGGCTTGCGCGTTGTGGGCGTGTTCCTGTTTATGCGCCTGCCGAC** 3806  
GCGS0276 GATGGTTGTC TATATCGGCTTGCGCGTTGTGGGCGTGTTCCTGTTTATGCGCTGCCGAC 3959  
CDC2 GATGGTTGTTTACGTTGGTTTGCGCGTTGTGGGCGTATTCCTGTTTATGCGCCTGCCGAC 3803  
GCGS0402 GATGGTTGTTTACGTTGGTTTGCGCGTTGTGGGCGTATTCCTGTTTATGCGCCTGCCGAC 3803  
GCGS0834 GATGGTTGTTTATATCGGCTTGCGCGTTGTGGGCGTATTCCTGTTTATGCGCCTGCCGAC 3805  
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FA19 **TTTCGTTCTGCGGACCGAAGACCAAGGCTTCGTTATGGTCAGCGTGCAACTGCCTGCCGG** 3866  
GCGS0276 TTCATTCTGCGGACCGAAGACCAAGGCTTCGTTATGGTCAGCGTGCAACTGCCTGCAGG 4019  
CDC2 TTCGTTCTGCGGACCGAAGACCAAGGCTTCGTTATGGTCAGCGTGCAACTGCCTGCCGG 3863  
GCGS0402 TTCGTTCTGCGGACCGAAGACCAAGGCTTCGTTATGGTCAGCGTGCAACTGCCTGCCGG 3863  
GCGS0834 CTCATTCTGCGGACCGAAGACCAAGGCTTCGTTATGGTCAGCGTGCAACTGCCTGCCGG 3865  
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FA19 **TGCGACCAAAGAGCGCACCGATGCGACGCTAGCACAAAGTTACCCAAGTGGCGAAAAGCAT** 3926  
GCGS0276 AGCGACCAAAGAGCGCACCAATGCGACTTTGGCGCAAGTTACCCAAGTGGCGAAAAGCAT 4079  
CDC2 TGCGACCAAAGAGCGCACCGATGCGACGCTGGCGCAAGTAACGCAGTTGGCAAAAAGTAT 3923  
GCGS0402 TGCGACCAAAGAGCGCACCGATGCGACGCTGGCGCAAGTAACGCAGTTGGCAAAAAGTAT 3923  
GCGS0834 CGCGACCAAAGAGCGTACCGATGCGACGCTGGCGCAAGTTACACAATTGGCAAAAAGCAT 3925  
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FA19 **TTCCCGAAATTTGAAAACATCATTACCGTTTCCGGCTTCAGCTTTTCGGGCAGCGGTTCAGAA** 3986  
GCGS0276 TCCTGAAATAGAAAACATCATTACCGTTTCCGGCTTCAGCTTTTCGGGCAGCGGTTCAGAA 4139  
CDC2 TCCTGAAATTTGAAAACATCATTACCGTTTCCGGCTTCAGCTTTTCGGGCAGCGGTTCAGAA 3983  
GCGS0402 TCCTGAAATTTGAAAACATCATTACCGTTTCCGGCTTCAGCTTTTCGGGCAGCGGTTCAGAA 3983  
GCGS0834 TCCTGAAATTTGAAAACATCATTACCGTTTCCGGCTTCAGCTTTTCGGGCAGCGGTCAGAA 3985  
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FA19 **TATGGCGATGGGTTTTGCCATATTGAAAGATTGGAACGAACGTACCGCCTCCGGCAGCGA** 4046  
GCGS0276 TATGGCGATGGGTTTTGCCATATTGAAAGATTGGAACGAGCGTACCGCGCCGGCAGCGA 4199  
CDC2 TATGGCAATGGGTTTTGCCATGCTCAAAGACTGGAACGAGCGTAAAACCCCGGCAGCGA 4043  
GCGS0402 TATGGCAATGGGTTTTGCCATGCTCAAAGACTGGAACGAGCGTAAAACCCCGGCAGCGA 4043  
GCGS0834 TATGGCGATGGGTTTTGCGATGCTTAAGGATTGGGACGAACGTAAAACCCCGGCAGCGA 4045  
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FA19 **TGCCGTTGCGGTTGCCGGCAAGCTGACGGGTATGATGATGGGGACGCTTAAAGACGGTTT** 4106  
GCGS0276 TGCCGTTGCGATTGCCGGCAAGCTGACGGGTATGATGATGGGGACGCTTAAAGACGGTTT 4259  
CDC2 TGCGGAATCGGTTGCAGGCAAAATTGACCGGTATGATGATGGGGACGCTTAAAGACGGTTT 4103  
GCGS0402 TGCGGAATCGGTTGCAGGCAAAATTGACCGGTATGATGATGGGGACGCTTAAAGACGGTTT 4103  
GCGS0834 TGCCGTTGCGGTTGCCGGCAAGCTGACGGGTATGATGATGGGGACGCTTAAAGACGGTTT 4105  
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FA19 **CGGCATCGCCGTCGTCGCCCTCCGATTCTGGAGTTGGGCAACGGTTCCGGCTTGAGCAT** 4166  
GCGS0276 TGGCATCGCCGTCGTCGCCCTCCGATTCTGGAGTTGGGCAACGGTTCCGGCTTGAGCAT 4319  
CDC2 CGGCATCGCCATCGTTCCGCCCTCCGATTATGGAGTTGGGCAACGGTTCCGGTTTGAGCAT 4163  
GCGS0402 CGGCATCGCCATCGTTCCGCCCTCCGATTATGGAGTTGGGCAACGGTTCCGGTTTGAGCAT 4163  
GCGS0834 CGGCATCGCCATCGTTCCGCCCTCCGATTATGGAGTTGGGCAACGGTTCCGGTTTGACCAT 4165  
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FA19 CAACCTGCAAGACCGCAACAATACCGGCCATACCGCATTGCTGGCGAAGCGCAACGAGCT 4226  
GCGS0276 CAACCTGCAAGACCGCAACAATACCGGCCATACCGCATTGCTGGCGAAGCGCAACGAGTT 4379  
CDC2 CAACCTGCAAGACCGCAACAATACCGGTCATGCCGCATTGCTGGCCAAACGCAACGAGTT 4223  
GCGS0402 CAACCTGCAAGACCGCAACAATACCGGTCATGCCGCATTGCTGGCCAAACGCAACGAGTT 4223  
GCGS0834 CAACCTGCAAGATCGCAACAATACCGGTCATGCCGCATTGCTGGCCAAACGCAACGAGTT 4225  
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FA19 GATTCAGAAAATGCGTGCCAGCGGTTTGTGTTGACCCAGCACCGTCCGTGCCGGCGGTTT 4286  
GCGS0276 GATTCAGAAAATGCGTGCCAGCGGTTTGTGTTGACCCAGCACCGTCCGTGCCGGCGGTTT 4439  
CDC2 GATTCAGAAAATGCGTACCAGCGGTTTGTGTTAACCCAAGTACCGTCCGTGCCGGCGGTTT 4283  
GCGS0402 GATTCAGAAAATGCGTACCAGCGGTTTGTGTTAACCCAAGTACCGTCCGTGCCGGCGGTTT 4283  
GCGS0834 GATTCAGAAAATGCGTACCAGCGGTTTGTGTTAACCCAGCACCGTCCGTGCCGGCGGTTT 4285  
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FA19 GGAAGACTCGCCGAGTTGAAAATCGACATCAACCGTGCCGCGAGCGGCGGCGCAAGGCAT 4346  
GCGS0276 GGAAGACTCGCCGAGTTGAAAATCGACATCAACCGTGCCGCGCGGCGGCGGCGCAAGGCAT 4499  
CDC2 GGAAGACGCGCCGAGTTGAAAATCGACATCAACCGTGCCGCGCGGCGGCGGCGCAAGGCAT 4343  
GCGS0402 GGAAGACGCGCCGAGTTGAAAATCGACATCAACCGTGCCGCGCGGCGGCGGCGCAAGGCAT 4343  
GCGS0834 GGAAGACGCGCCGAGTTGAAAATCGACATCAACCGTTCCGGCGGCTTCGGCACAAGGTAT 4345  
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FA19 TTCGTTTGCCGACATCCGCACCGCATTGGCAAGCGCGCTGAGTTCGTCTTATGTCAGCGA 4406  
GCGS0276 TTCGTTTGCCGACATCCGCACCGCATTGGCAAGTGCCTGAGTTCGTCTTATGTCAGCGA 4559  
CDC2 TTCGTTTGCCGACATCCGCACCGCATTGGCAAGCGCGCTGAGTTCGTCTTATGTCAGCGA 4403  
GCGS0402 TTCGTTTGCCGACATCCGCACCGCATTGGCAAGCGCGCTGAGTTCGTCTTATGTCAGCGA 4403  
GCGS0834 TTCGTTTGCCGACATCCGTAATGCAATGCGCTGGGTTTCGTCTTACGTCAACGA 4405  
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FA19 CTTCCCGAACCAAGGCCGCTCGCAACGCGTGATGGTGCAGGCCGACGAGGATGCCCGTAT 4466  
GCGS0276 CTTCCCGAACCAAGGCCGCTCGCAGCGCGTGATGGTGCAGGCCGACGAGGATGCCCGTAT 4619  
CDC2 CTTCCCGAACCAAGGCCGCTCGCAGCGCGTGATGGTGCAGGCCGACGAGGATGCCCGTAT 4463  
GCGS0402 CTTCCCGAACCAAGGCCGCTCGCAGCGCGTGATGGTGCAGGCCGACGAGGATGCCCGTAT 4463  
GCGS0834 CTTCCCGAACCAAGGCCGTTTGCAGCGCGTGATGGTGCAGGCCGATGCTTCGGCACGTAT 4465  
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FA19 GCAGCCTGCCGATATTTTGAACCTGACCGTGCCGAACAAATCCGGCGTCGCCGTACCGCT 4526  
GCGS0276 GCAGCCTGCCGATATTTTGAACCTGACCGTGCCGAACAAATCCGGCGTTGCCGTACCGCT 4679  
CDC2 GCAGCCTGCCGACATCTTGAATCTGACTGTGCCGAATAGCTCGGGCATTGCCGTTCCGCT 4523  
GCGS0402 GCAGCCTGCCGACATCTTGAATCTGACTGTGCCGAATAGCTCGGGCATTGCCGTTCCGCT 4523  
GCGS0834 GCAGCCTGCCGACATCTTGAATCTGACTGTGCCGAATAGCTCGGGCATTGCCGTTCCGCT 4525  
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FA19 TTCCACCATTGCTACTGTTTCTTGGGAAAACGGTACGGAACAGAGCGTACGCTTCAACGG 4586  
GCGS0276 TTCCACCATTGCTACTGTTTCTTGGGAAAACGGTACGGAACAGAGCGTACGCTTCAACGG 4739  
CDC2 TTCTTCGATTGCCACCGTTTCTTGGCAGATGGGTACAGAACAGAGCGTTCTGTTCAACGG 4583  
GCGS0402 TTCTTCGATTGCCACCGTTTCTTGGCAGATGGGTACAGAACAGAGCGTTCTGTTTCAACGG 4583  
GCGS0834 TTCTTCGATTGCCACCGTTTCTGTCAGATGGGTACGGAACAGAGCGTTCTGTTTCAACGG 4585  
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S821A K823E

FA19 TTATCCCTCGATGAAGCTGTCCGCTTCGCCGCAACCGGCGTTTCCACCGGCAGGCTAT 4646  
GCGS0276 TTATCCCTCGATGGATCTGTCCGCTTCGCCGCAACCGGCGTTTCCACCGGCAGGCTAT 4799  
CDC2 TTATCCC GCTATG GAA CTGTCCGGTTCGCCGCAACCGGCGTTTCCACCGGTCAGGCCAT 4643  
GCGS0402 TTATCCCGCTATGGAAGTGTCCGGTTCGCCGCAACCGGCGTTTCCACCGGTCAGGCCAT 4643  
GCGS0834 TTATCCCGCTATGGAAGTGTCCGGTTCGCCGCAACAGGTGTTTCCACCGGTCAGGCCAT 4645  
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FA19 GGCGGCGGTTCAAAAATGGTTGACGAATTGGGCGGCGGTTACAGCTTCGAATGGGGTGG 4706  
GCGS0276 GGCGGCGGTTCAAAAATGGTTGACGAATTGGGCGGCGGTTACAGCCTCGAATGGGGCGG 4859  
CDC2 GGAGGCAGTTCAAAAATGGTTGACGAATTGGGCGGCGGTTACAGCCTGGAGTGGGGCGG 4703  
GCGS0402 GGAGGCAGTTCAAAAATGGTTGACGAATTGGGCGGCGGTTACAGCCTGGAGTGGGGCGG 4703  
GCGS0834 GGAGGCAGTTCAAAAATGGTTGACGAATTGGGCGGCGGTTACAGCCTGGAGTGGGGCGG 4705  
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FA19 ACAGTCGCGCGAAGAGGGCAAAGGCGGCTCGCAAACCCTGATTTTGTACGGTTTGGCGGT 4766  
GCGS0276 ACAGTCGCGCGAAGAGGGCAAAGGCGGCTCGCAAACCCTGATTTTGTACGGTTTGGCGGT 4919  
CDC2 ACAGTCGCGCGAAGAGGGCAAAGGCGGTTTCGCAAACCATTGCCCTTTACGCGCTTGCCGC 4763  
GCGS0402 ACAGTCGCGCGAAGAGGGCAAAGGCGGTTTCGCAAACCATTGCCCTTTACGCGCTTGCCGC 4763  
GCGS0834 ACAGTCGCGCGAAGAGGGCAAAGGCGGTTTCGCAAACCATTGCCCTTTACGCGCTTGCCGC 4765  
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FA19 TGCAGCCGATTTTGGTACTTGCCGCGCTTTATGAAAGCTGGTCGATTCCGCTGGCGGT 4826  
GCGS0276 TGCAGCCGATTTTGGTACTTGCCGCGCTTTATGAAAGCTGGTCGATTCCGCTGGCGGT 4979  
CDC2 CGTTGCCGCTTCTTGGTGCCTGCAGCACTTATGAAAGCTGGTCTATTCCGCTGGCCGT 4823  
GCGS0402 CGTTGCCGCTTCTTGGTGCCTGCAGCACTTATGAAAGCTGGTCTATTCCGCTGGCCGT 4823  
GCGS0834 CGTTGCCGCTTCTTGGTGCCTGCAGCACTTATGAAAGCTGGTCTATTCCGCTGGCCGT 4825  
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FA19 CATCCTTGTGATTCGGTTGGGTTTGATCGGTGCGGCTGCGGGCGTAACCGGGCGCAACCT 4886  
GCGS0276 CATCCTTGTGATTCGGTTGGGTTTGATCGGTGCGGCTGCGGGCGTAACCGGGCGCAACCT 5039  
CDC2 TCTGTGGTGTATGCCTTTGGGCTTGGCGGGCGGCTGCGGGCGTAACCGGGCGCAACCT 4883  
GCGS0402 TCTGTGGTGTATGCCTTTGGGCTTGGCGGGCGGCTGCGGGCGTAACCGGGCGTAACCT 4883  
GCGS0834 TCTGTGGTGTATGCCTTTAGGCTTGGCGGGCGGCTGCGGGCGTAACCGGGCGTAACCT 4885  
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FA19 GTTTGAAGGACTGTTGGGCAGCGTTCCCTCGTTTGCCAACGACATCTACTTCCAAGTCGG 4946  
GCGS0276 GTTTGAAGGACTGTTGGGCAGCGTTCCCTCGTTTGCCAACGACATCTACTTCCAAGTCGG 5099  
CDC2 GTTTGAAGGATGTTGGGCAGCGTTCCCTCGTTTGCCAACGACATCTACTTCCAAGTCGG 4943  
GCGS0402 GTTTGAAGGATGTTGGGCAGCGTTCCCTCGTTTGCCAACGACATCTACTTCCAAGTCGG 4943  
GCGS0834 GTTTGAAGGATGTTGGGCAGCGTTCCCTCGTTTGCCAACGACATCTACTTCCAAGTCGG 4945  
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FA19 TTTCGTTACTGTGATGGGTTTGTAGTGCAGAAAACGCGATTCTGATTATCGAATTTGCCAA 5006  
GCGS0276 TTTCGTTACTGTGATGGGTTTGTAGTGCAGAAAACGCGATTCTGATTATCGAATTTGCCAA 5159  
CDC2 TTTCGTTACTGTGATGGGTTTGTAGTGCAGAAAACGCGATTCTGATTATCGAATTTGCCAA 5003  
GCGS0402 TTTCGTTACTGTGATGGGTTTGTAGTGCAGAAAACGCGATTCTGATTATCGAATTTGCCAA 5003  
GCGS0834 TTTCGTTACTGTGATGGGTTTGTAGTGCAGAAAACGCGATTCTGATTATCGAATTTGCCAA 5005  
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FA19 AGACCTTCAAGCGCAAGGGAAAAGCGCGGTGGAAGCCGCTTTGGAGGCAGCCCGCTGCG 5066  
GCGS0276 AGACCTTCAAGCGCAAGGGAAAAGCGCGGTGGAAGCCGCTTTGGAGGCAGCCCGCTGCG 5219  
CDC2 AGACCTTCAAGCGCAAGGGAAAAGCGCGGTGGAAGCCGCTTTGGAGGCAGCCCGCTGCG 5063  
GCGS0402 AGACCTTCAAGCGCAAGGGAAAAGCGCGGTGGAAGCCGCTTTGGAGGCAGCCCGCTGCG 5063  
GCGS0834 AGACCTTCAAGCGCAAGGGAAAAGCGCGGTGGAAGCCGCTTTGGAGGCAGCCCGCTGCG 5065  
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FA19 TTTCGCTCCGATTATCATGACCTCGTTTGCCTTTATTTTGGGCGTGGTTCCCTGTATAT 5126  
GCGS0276 TTTCGCTCCGATTATCATGACCTCGTTTGCCTTTATTTTGGGCGTGGTTCCCTGTATAT 5279  
CDC2 TTTCGCTCCGATTATCATGACCTCGTTTGCCTTTATTTTGGGCGTGGTTCCCTGTATAT 5123  
GCGS0402 TTTCGCTCCGATTATCATGACCTCGTTTGCCTTTATTTTGGGCGTGGTTCCCTGTATAT 5123  
GCGS0834 TTTCGCTCCGATTATCATGACCTCGTTTGCCTTTATTTTGGGCGTGGTTCCCTGTATAT 5125  
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FA19 TGCCGCTGGTGCAGTCTGCCAGCCAGCGGCCATCGGCACGACCGTATTCTGGGGGAT 5186  
GCGS0276 TGCCGCGGTGCAAGCTCCGCCAGCCAGCGGCCATCGGCACGACCGTATTCTGGGGGAT 5339  
CDC2 TGCCGCTGGTGCAGTCTGCCAGCCAGCGGCCATCGGCACGACCGTATTCTGGGGGAT 5183  
GCGS0402 TGCCGCTGGTGCAGTCTGCCAGCCAGCGGCCATCGGCACGACCGTATTCTGGGGGAT 5183  
GCGS0834 TGCCGCGGTGCAAGCTCCGCCAGCCAGCGGCCATCGGCACGACCGTATTCTGGGGGAT 5185  
\*\*\*\*\* \*

FA19 GTTGGTTCGGCAGCTCTTGTCCGTGTTCCCTTGTTCGGCTTTTCTATGTAGTGGTGCAGAA 5246  
GCGS0276 GTCATCGGCACGCTCTTGTCCGTGTTCCCTTGTTCGGCTTTTCTATGTGGTGGTGCAGAA 5399  
CDC2 GTCATCGGCACGCTTTTATCCGTGTTCCCTTGTTCGGCTTTTCTATGTGGTGGTGCAGAA 5243  
GCGS0402 GTCATCGGCACGCTTTTATCCGTGTTCCCTTGTTCGGCTTTTCTATGTGGTGGTGCAGAA 5243  
GCGS0834 GTCATCGGCACGCTTTTGTCCGTGTTCCCTTGTTCGGCTTTTCTATGTGGTGGTGCAGAA 5245  
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FA19	ACGAACTCGATCTGTTCCGGCGCGTGCAGCAGCAGCGAAGCAGCACTGCAAGGCTATT	5843
GCGS0276	ACGAACTCGATCTGTTCCGGCGCGTGCAGCAGCAGCGAAGCAGCACTGCAAGGCTATT	5996
CDC2	ACGAACTCGAAGCTGTTCCGGACGCGTCCGACAGCAGCAGCGAGGCGGCACTGCAAGGCTATT	5843
GCGS0402	ACGAACTCGAAGCTGTTCCGGACGCGTCCGACAGCAGCAGCGAGGCGGCACTGCAAGGCTATT	5843
GCGS0834	ACGAACTCGATCTGTTCCGGCGGTGTGCAGCAGCAGCGAGGCGAGCACTGCAAGGCTATT	5842
	***** ** ** ***** ** *****	
FA19	TTGCCAGCGTTGCCAACC CGCATGCGGCACATTTGAGCTTGATTGCCACC GTTGCCAAAG	5903
GCGS0276	TTGCCAGCGTTGCCAACC CGCATGCGGCACATTTGAGCTTGATTGCCACC GTTGCCAAAG	6056
CDC2	TTGCCAGCACCGCAACC CGCATGCGGCACATTTGAGCTTGATTGCCACC GTTGCCAAAG	5903
GCGS0402	TTGCCAGCACCGCAACC CGCATGCGGCACATTTGAGCTTGATTGCCACC GTTGCCAAAG	5903
GCGS0834	TCGCCAGCACCGCAACC CGCATGCGGCACATTTGAGCTTGATTGCCACC GTTGCCAAAG	5902
	* ***** *****	
FA19	CCTATTTCAACGAGCGTTATGCCGAAGAAGCGATGTCTTTGGCGCAGCGTGTCTTGAAAA	5963
GCGS0276	CCTATTTCAACGAGCGTTATGCCGAAGAAGCGATGTCTTTGGCGCAGCGTGTCTTGAAAA	6116
CDC2	CCTATTTTAAACGAGCGTTATGCCGAAGAAGCGATGTCTTTGGCGCAGCGTGTCTTGAAAA	5963
GCGS0402	CCTATTTTAAACGAGCGTTATGCCGAAGAAGCGATGTCTTTGGCGCAGCGTGTCTTGAAAA	5963
GCGS0834	CCTATTTCAACGAAAGCGTATGCCGAAGAAGCGATGTCTTTGGCGCAGCGTGTCTTGAAAA	5962
	***** ** *****	
FA19	CGCGCGAGGAAACCTACAAGCTGTCCGAATTGCGGTACAAGGCAGGCGTGATTTCCGCCG	6023
GCGS0276	CGCGCGAGGAAACCTACAAGCTGTCCGAATTGCGGTACAAGGCAGGCGTGATTTCCGCCG	6176
CDC2	CGCGCGAGGAAACCTACAAGCTGTCCGAATTGCGGTATAAGGCAGGCGTAATTTCCGCCG	6023
GCGS0402	CGCGCGAGGAAACCTACAAGCTGTCCGAATTGCGGTATAAGGCAGGCGTAATTTCCGCCG	6023
GCGS0834	CGCGCGAGGAAACCTACAAGCTGTCCGAATTGCGGTACAAGGCAGGCGTGATTTCCGCCG	6022
	***** ** *****	
FA19	TCGCCCTGCGCCAGCAGGAAGCCTTGATTGAACTGCGCAAGCCGATTATGCCCATGCCG	6083
GCGS0276	TCGCCCTGCGCCAGCAGGAAGCCTTGATTGAACTGCGCAAGCCGATTATGCCCATGCCG	6236
CDC2	TCGCCCTGCGTCAGCAGGAAGCCTTGATCGAATCCGCCAAGCCGATTATGCCCATGCCG	6083
GCGS0402	TCGCCCTGCGTCAGCAGGAAGCCTTGATCGAATCCGCCAAGCCGATTATGCCCATGCCG	6083
GCGS0834	TCGCCCTGCGCCAGCAGGAAGCCTTGATTGAACTGCGCAAGCCGATTATGCCCATGCCG	6082
	***** ***** ** *****	
FA19	CGCGCAGCCGCGAACAGGCGCGCAATGCCTTGGAACCTTGATTAACCGTCCGATACCCG	6143
GCGS0276	CGCGCAGCCGCGAACAGGCGCGCAATGCCTTGGAACCTTGATTAACCGTCCGATACCCG	6296
CDC2	CGCGCAGCCGCGAGCAGGCGCGCAATGCCTTGGAACCTTGATTAACCAACCGATACCCG	6143
GCGS0402	CGCGCAGCCGCGAGCAGGCGCGCAATGCCTTGGAACCTTGATTAACCAACCGATACCCG	6143
GCGS0834	CGCGCAGCCGCGAACAGGCGCGCAATGCCTTGGAACCTTGATTAACCAACCGATACCCG	6142
	***** ***** ***** ***** *****	
FA19	AAGACCTGCCCGCCGGTTTGCCGTTGGACAAGCAGTTTTTTGTTGAAAAACTGCCGTGCCG	6203
GCGS0276	AAGACCTGCCCGCCGGTTTGCCGTTGGACAAGCAGTTTTTTGTTGAAAAACTGCCGTGCCG	6356
CDC2	ACGACCTGCCCGCCGGTTTGCCGTTGGACAAGCAGTTTTTTGTTGAGAAGCTGCCGGCCG	6203
GCGS0402	ACGACCTGCCCGCCGGTTTGCCGTTGGACAAGCAGTTTTTTGTTGAGAAGCTGCCGGCCG	6203
GCGS0834	ACGACCTGCCCGCCGGTTTGCCCTAGACAAGCAGTTTTTTGTTGAAAAACTGCCGGCCG	6202
	* ***** * ***** ** *****	
FA19	GTTTGAGTTCCGAAGTATTGCTCGACCGTCCCGACATCCGCGCCGCCGAACACGCGCTCA	6263
GCGS0276	GTTTGAGTTCCGAAGTATTGCTCGACCGTCCCGACATCCGCGCCGCCGAACACGCGCTCA	6416
CDC2	GTTTGAGTTCCGAAGTATTGCTCGACCGTCCCGACATACGCGCCGCCGAACACGCGCTCA	6263
GCGS0402	GTTTGAGTTCCGAAGTATTGCTCGACCGTCCCGACATACGCGCCGCCGAACACGCGCTCA	6263
GCGS0834	GTTTGAGTTCCGAAGTATTGCTCGACCGTCCCGACATCCGTCGCCGCCGAACACGCGCTCA	6262
	***** ** *****	
FA19	AACAGGCAAACGCCAATATCGGTGCGGCGCGCCGCCTTTTCCCGTCCATCCGCCTGA	6323
GCGS0276	AACAGGCAAACGCCAATATCGGTGCGGCGCGCCGCCTTTTCCCGTCCATCCGCCTGA	6476
CDC2	AACAGGCAAACGCCAATATCGGTGCGGCACGCGCCGCCTTTTCCCATCCATCCGCCTGA	6323
GCGS0402	AACAGGCAAACGCCAATATCGGTGCGGCACGCGCCGCCTTTTCCCATCCATCCGCCTGA	6323
GCGS0834	AACAGGCAAACGCCAATATCGGTGCGGCACGCGCCGCCTTTTCCCATCCATCCGCCTGA	6322
	***** ***** ***** *****	

FA19	CCGGAAGCGTCGGTACGGGTTCTGTGCAATTGGGCGGGCTGTTCAAAGCGGCACGGGCG	6383
GCGS0276	CCGGAAGCGTCGGTACGGGTTCTGTGCAATTGGGCGGGCTGTTCAAAGCGGCACGGGCG	6536
CDC2	CCGGAAGCGTCGGTACGGGTTCTGCCGAATTGGGCGGGCTGTTCAAAGCGGCACGGGCG	6383
GCGS0402	CCGGAAGCGTCGGTACGGGTTCTGCCGAATTGGGCGGGCTGTTCAAAGCGGCACGGGCG	6383
GCGS0834	CCGGAAGCGTCGGTACGGGTTCTGCCGAATTGGGCGGGCTGTTCAAAGCGGCACGGGCG	6382
	*****	
FA19	TTTGGGCGTTCGCGCCGCTCTATTACCCTGCCGATTTTTACTTGGGGAACGAACAAGGCGA	6443
GCGS0276	TTTGGGCGTTCGCGCCGCTCTATTACCCTGCCGATTTTTACTTGGGGAACGAACAAGGCGA	6596
CDC2	TTTGGTTCGTTTGCGCCGCTCTATTGCCCTGCCGATTTTTACTTGGGGAACGAACAAGGCGA	6443
GCGS0402	TTTGGTTCGTTTGCGCCGCTCTATTGCCCTGCCGATTTTTACTTGGGGAACGAACAAGGCGA	6443
GCGS0834	TTTGGTTCGTTTGCGCCGCTCTATTACCCTGCCGATTTTTACTTGGGGAACGAACAAGGCGA	6442
	*****	
FA19	ACCTTGATGTGGCAAACCTGCGCCAACAGGCACAAATGTTGCCTATGAATCCGCCGTCC	6503
GCGS0276	ACCTTGATGTGGCAAACCTGCGCCAACAGGCACAAATGTTGCCTATGAATCCGCCGTCC	6656
CDC2	ACCTTGATGCAGCCAAGCTGCGCCAACAGGCACAAATCGTTGCCTATGAATCCGCCGTAC	6503
GCGS0402	ACCTTGATGCAGCCAAGCTGCGCCAACAGGCACAAATCGTTGCCTATGAATCCGCCGTAC	6503
GCGS0834	ACCTGGATGCAGTCAAGCTGCGCCAACAGGCACAAATCGTTGCCTATGAATCCGCCGTCC	6502
	*****	
FA19	AATCCGCCTTTCAAGACGTGGCAAACGCATTGGCGGCGCGGAGCAGCTGGATAAAGCCT	6563
GCGS0276	AATCCGCCTTTCAAGACGTGGCAAACGCATTGGCGGCGCGGAGCAGCTGGATAAAGCCT	6716
CDC2	AATCCGCCTTTCAAGACGTGGCAAACGCATTGGCGGCGCGGAGCAGCTGGATAAAGCCT	6563
GCGS0402	AATCCGCCTTTCAAGACGTGGCAAACGCATTGGCGGCGCGGAGCAGCTGGATAAAGCCT	6563
GCGS0834	AATCCGCATTTCAAGATGTGGCAAACGCATTGGCGGCGCGGAGCAGCTGGATAAAGCCT	6562
	*****	
FA19	ATGACGCTTTAAGCAAACAAGCCGCGCCTCTAAAGAAGCGTTGCGCTTGGTCGGACTGC	6623
GCGS0276	ATGACGCTTTAAGCAAACAAGCCGCGCCTCTAAAGAAGCGTTGCGCTTGGTCGGACTGC	6776
CDC2	ATGCCGCTTTAAGCAAACAAGCCGCGCCTCTAAAGAAGCGTTGCGCTTGGTCGGCCTGC	6623
GCGS0402	ATGCCGCTTTAAGCAAACAAGCCGCGCCTCTAAAGAAGCGTTGCGCTTGGTCGGCCTGC	6623
GCGS0834	ATGACGCTTTAAGCAAACAAGCCGCGCCTCTAAAGAAGCGTTGCGCTTGGTCGGCCTGC	6622
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FA19	GTTACAAACACGGCGTATCCGGCGCGCTCGATTGCTCGATGCGGAACGCATCAGCTATT	6683
GCGS0276	GTTACAAACACGGCGTATCCGGCGCGCTCGATTGCTCGATGCGGAACGCAGCAGCTATT	6836
CDC2	GTTACAAACACGGCGTATCCGGCGCGCTCGACTTGCTCGATGCGGAACGCAGCAGCTATT	6683
GCGS0402	GTTACAAACACGGCGTATCCGGCGCGCTCGACTTGCTCGATGCGGAACGCAGCAGCTATT	6683
GCGS0834	GTTACAAACACGGCGTATCCGGCGCGCTCGACTTGCTCGATGCGGAACGCAGCAGCTATT	6682
	*****	
FA19	CGGCGGAAGGTGCGGCTTTGTGCGGCACAACGACCCGCGCCGAAAACCTTGCCGATTTGT	6743
GCGS0276	CGGCGGAAGGTGCGGCTTTGTGCGGCACAACGACCCGCGCCGAAAACCTTGCCGATTTGT	6896
CDC2	CGGCGGAGGTGCGGCTTTGTGCGGCACAACGACCCGCGCCGAAAACCTTGCCGATTTGT	6743
GCGS0402	CGGCGGAGGTGCGGCTTTGTGCGGCACAACGACCCGCGCCGAAAACCTTGCCGATTTGT	6743
GCGS0834	CGGCGGAGGTGCGGCTTTGTGCGGCACAACGACCCGCGCCGAAAACCTTGCCGATTTGT	6742
	*****	
FA19	ACAAGGCGCTCGGCGCGGATTGAAACGGGATACCCAAACCGGCAAATAA	6793
GCGS0276	ACAAGGCGCTCGGCGCGGATTGAAACGGGATACCCAAACCGGCAAATAA	6946
CDC2	ACAAGGCGCTCGGCGCGGATTGAAACGGGATACCCAAACCGGCAAATAA	6793
GCGS0402	ACAAGGCGCTCGGCGCGGATTGAAACGGGATACCCAAACCGGCAAATAA	6793
GCGS0834	ACAAGGCGCTCGGCGCGGACTGAAACGGGATACCCAAACCGGCAAATAA	6792
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**B.**

