Table S1 The gene sequences for all fungal strains.

Strain NO.	Gene Order	Identity (%)
H1	CGGCGAGTGAAGCGGCAA-----CAGCTCAAATTTGAAATCTGGCTCTTTTAGAGTC----CGAGTTGTAATT TGCAGAGG-GCGCTTTGGCGTTGGCAGCGGTCCAA-----GTTCTTTGGAACAGGACGTCACAGAGG-GTGAGA ATC--CCGTACGTGGTCGCTAGCCTTCGCCGTGTAAAGCCCCTTCGACGAGTCGAGTTGTTTGGGAATGCAG CT--CTAAATGGGAGGTAAATTTCTT---CTAAAGCTAAATACTGGCCAGAGACCGATAGCGCACAAGTAGAG TGATCGAAAGATGAAAAGCACTTTGGAAAGA----GAGTCAAATAGCACGTGAAAT-TGTTGAAAGGGAAGC GCTTGCAGCCAGACTTGCCTGTAGTTGCTTATCCGGACTTTTGTCCGGTGCACTCTTCTGCGGGCAGGCCAG CA-TCAGTCTAGGCGGTTGGATAAAGGTCTCTGT-CATGTACCTCTCTTCGGGGAGGCCTTATAGGGGAGAC GACATGCAACCAGCCTGGACTGAGGTCCGCGCATCTGCTAGGATGCTGGCGTAATGGCTGTAAGCGGCCC GTCTTGAAACACGGACCAAGGAGTCTAACATCTATGCGAGTGTTTGGGTGTCAAGCCCAGACGCGTAATG AAAGTGAACGGAGGTGGGAACCCTTTGGGTGCACCATCGACCGATCCTGATGTCTTCGGATGGATTTGAGT AAGAGCATGGCTGTTGGGACCCGAAAGATGGTGAACTATGCTTGAATAGGGTGAAGCCAGAGGAAACTCT GGTGGAGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATTTGGGCATAGGGGCGAAAGACTAAT CGAACTATCTAGTA-GCTGGTTCCTGCCGAAGATCCCCTCCAAGGAAACCAAAC	99.55%
H2	TAGTAACGGCGAGTGAAGCGGCAA-----CAGCTCAAATTTGAAATCTGGCTCTTTTAGAGTC----CGAGT TGTAATTTGCAGAGG-GCGCTTTGGCGTTGGCAGCGGTCCAA-----GTTCTTTGGAACAGGACGTCACAGAGG -GTGAGAATC--CCGTACGTGGTCGCTAGCCTTCGCCGTGTAAAGCCCCTTCGACGAGTCGAGTTGTTTGGGA ATGCAGCT--CTAAATGGGAGGTAAATTTCTT---CTAAAGCTAAATACTGGCCAGAGACCGATAGCGCACAA GTAGAGTGATCGAAAGATGAAAAGCACTTTGGAAAGA----GAGTCAAATAGCACGTGAAAT-TGTTGAAAG GGAAGCGCTTGCAGCCAGACTTGCCTGTAGTTGCTTATCCGGACTTTTGTCCGGT-GCACTCTTCTGCGGGC AGGCCAGCATCAGTCTAGGCGGTTGGATAAAGGTCTCTGT-CATGTACCTCTCTTCGGGGAGGCCTTATAG GGGAGACGACATGCAACCAGCCTGGACTGAGGTCCGCGCATCTGCTAGGATGCTGGCGTAATGGCTGTAA GCGGCCCGTCTTGAAACACGGACCAAGGAGTCTAACATCTATGCGAGTGTTTGGGTGTCAAGCCCAGACG CGTAATGAAAGTGAACGGAGGTGGGAACCCTTTGGGTGCACCATCGACCGATCCTGATGTCTTCGGATGG ATTTGAGTAAGAGCATGGCTGTTGGGACCCGAAAGATGGTGAACTATGCTTGAATAGGGTGAAGCCAGAG GAAACTCTGGTGGAGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATTTGGGCATAGGGGCGAA AGACTAATCGAACTATCTAGTAGCTGGTTCCTGCCGAGTCTCC CCTCCCCAGAGAAAACAAAC	99.66%
H3	GAGTGAAGCGGCA--ACAGCTCAAATTTGAAATCTGG--TCCTTGCGGCCCGAGTTGTAATTTGCAGAGG ATGCTTTTGGCGCGGTGCCTTCCAAGTTCCCTGGAACGGGACGCCTTAGAGGGTGAGAGCCCCGTACGGTT GGACACCAAGCCTTTGTAAAGCT----CCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAA-ATGGGAG GTATATTTCTT---CTAAAGCTAAATACCGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGA AA--AGCACTTTGAAAAG-AGGGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGCTTGTGACCAGACTT GCGCCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCACTTTGCCGGCTCAG--GCCAGCATCAGCTTGCCGT CGGGGACAAAAGCTTCGGGAACGTAGCTCTCTTCGGGGAGTGTTATAGCCCGTTGCACAATACCCTTCGGC GGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCATAATGGTCATCAGCGACCCGTCTTGAAACACGGACC AAGGAGTCAACCTTATGTGCGAGTGTTCGGGTGTCAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGA GAGCTTCGGCGCATCATCGACCGATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATATAGGGTTGGAC CCGAAAGAAGGTGAACTATGCGTGTATAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGCGGTT CTGACGTGCAAATCGATCGTCAAATATGCGCATGGGGGGCGAAAGACTAATCGAACCTTCTAGTAGCTGG TTTCCGCCGAAGAT-----	99.0%
H4	CTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGTC-CTTGCGGCCCGAGTTGTA ATTTGCAGAGGATGCTTTTGGCGCGGTGCCTTCCAAGTTCCCTGGAACGGGACGCCTTAGAGGGTGAGAGC CCCGTACGGTTGGACACCAAGCCTTTGTAAAGCT----CCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTC TAA-ATGGGAGGTATATTTCTT---CTAAAGCTAAATACCGGCCAGAGACCGATAGCGCACAAGTAGAGTGA TCGAAAGATGAAA--AGCACTTTGAAAAG-AGGGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGCTT GTGACCAGACTTGCGCCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCACTTTGCCGGCTCAG--GCCAGCA TCAGCTTGCCGTCGGGGACAAAAGCTTCGGGAACGTAGCTCTCTTCGGGGAGTGTTATAGCCCGTTGCACA ATACCCTTCGGCGGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCATAATGGTCATCAGCGACCCGTCTTG AAACACGGACCAAGGAGTCAACCTTATGTGCGAGTGTTCGGGTGTCAAACCCCTACGCGTAATGAAAGTG AACGCAGGTGAGAGCTTCGGCGCATCATCGACCGATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATA TAGGGTTGGACCCGAAAGAAGGTGAACTATGCGTGTATAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGC TCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATATGCGCATGGGGGCGAAAGACTAATCGAACCTTCT AGTAGCTGGTTTCCGCCGAAGATCCCCCCCCTCAGGAAAACAAC	100.0%
H5	GATCCGGAGTAGACAACAGGGATTGCCCCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAA ATCTGGCCCCAGGCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGCGCG-GTGCCTTCCGAGTTCCCTGGAA CGGGACGCCATAGAGGGTGAG--AGCCCCGTACGGTTGGACACCAAGCCTTTGTAAAGCTCCTTCGACGAG TCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAGGTACATTTCTTCTAAAGCTAAATATTGGCCAGAGACC GATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCACTTTGAAAAGAGGGTTAAACAGCACGTGAAA TTGTTAAAAGGGAAGCGCTTGTGACCAGACT----TGCGTCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCA CTTCGCCGGCACAGGCCAGCATCAGCTTG--CCGTCGGGG-ACAAAAGCTTCAGGAACGTGGCTCCTCTCGG GGAGTGTTATAGCCTGTTGTATAATACCCTTCGGCGGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCGTA ATGGTCATCAGCGACCCGTC--TTGAAACACGGACCAA-GGAGTCAACCTTATGTGCGAGTGTTTGGGTGTT AAACC-CCTACGCGTAATGAAAGTGA-ACGCAGGTGAGAGCTTCGGCGCATCATCGACCGATCCTGATGTT C--TCGGATGGATTTGAGTAAGAGCATATAGGGTTGGACCCGAAAGAAGGTGAACTATGCGTGTGTAGGGT GAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGC-GGTTCTGACGTGCAAATCGAT--CGTCAAACATGCGC ATGGGGGGCGAAAGACTAATCGAACCTTCTAGTAGCTGGTTTCCGCCGAAGTTTCTCCCCCTAAGGAACAA CTG	99.89%
H6	AGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGG---C CCTAGGCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGTGAGGTGCCTTCCAAGTTCCCTAGAACGGG ACGCCAGAGAGGGTGAGAGCCCCGTACAGTTGGACACCAAGCCTTTGTAAAGCT----CCTTCGACGAGTCG AGTAGTTTGG-----GAATGCTGCTCAAAATGGGAGGTATATTTCTTCTAAAGCTAAATACCGGCCAGAGACC GATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCACTTTGA-AAAGAGGGTTAAACAGCACG---TGA AATTGTTAAAAGGGAAGCGCTTGTGACCAGACTTGCGTCCGGTGAATCACCCAGCTCTCGC---GGCTGGGG CACTTCGCCGGCTCAGGCCAGCATCAGCTCGCTGTCGGGGACAAAAGCTTCAGGAACGTAGCTCTCTTCGG GGAGTGTTATAGCCTGTTGCATAATACCCTTCGGCGGGCTGAGGTACGCGCTCCG-CAAGGATGCTGGCAT AATGGTCATCAGCGACCCGTCTTGAAACACGGACCAAGGAGTCAACCTTATGTGCG-AGTGTTCGGGTGTC AAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCGGCGCATCATCGACCGATCCTGATGTTCT CGGATGGATTTGAGTAAGAGCATATAGGGTTGGACCCGAAAGAAGGTGAACTATGCGTGTGTAGGGTGAA GCCAGAGGAAACTCTGGTGGAGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAACATGCGCATGG GGGCGAAAGACTAATCGAACCTTCTAGTA-GCTGGTTTCCGCCGAAGTTCCCCTCAAGGAAA	99.54
H7	AGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCCCCAGGCCCGAGTTGTAATTTG CAGAGGATGCTTTTGGCGCG-GTGCCTTCCGAGTTCCCTGGAACGGGACGCCATAGAGGGTGAG--AGCCCC GTACGGTTGGACACCAAGCCTTTGTAAAGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAAT GGGAGGTACATTTCTTCTAAAGCTAAATATTGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAG	99.76%

	ATGAAAAGCACTTTGAAAAGAGGGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGCTTGTGACCAGA CT----TGCGTCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCACTTCGCCGGCACAGGCCAGCATCAGCTTG --CCGTCGGGG-ACAAAAGCTTCAGGAACGTGGCTCCTCTCGGGGAGTGTTATAGCCTGTTGTATAATACCC TTCGGCGGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCGTAATGGTCATCAGCGACCCGTC--TTGAAAC ACGGACCAA-GGAGTCAACCTTATGTGCGAGTGTTTGGGTGTTAAACC-CCTACGCGTAATGAAAGTGA-AC GCAGGTGAGAGCTTCGGCGCATCATCGACCGATCCTGATGTTC--TCGGATGGATTTGAGTAAGAGCATATA GGGTTGGACCCGAAAGAACGTGAACTATGCGTGTGTAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTC GCAGC-GGTTCTGACGTGCAAATCGATCGTCAAACATGCGCA-----TGGGGGCGAAGACTAATCGAACCTTC TAGTAGCTGGTTTCCGCCGAGACTCCCCCTCAAGGAGAACAACC	
H8	CGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCCCCAGGCCCGAGTTGTAATTTGCAGAG GATGCTTTTGGCGCG-GTGCCTTCCGAGTTCCCTGGAACGGGACGCCATAGAGGGTGAG--AGCCCCGTACG GTTGGACACCAAGCCTTTGTAAAGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAG GTACATTTCTTCTAAAGCTAAATATTGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAA AAGCACTTTGAAAAGAGGGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGCTTGTGACCAGACT----T GCGTCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCACTTCGCCGGCACAGGCCAGCATCAGCTTG--CCGT CGGGG-ACAAAAGCTTCAGGAACGTGGCTCCTCTCGGGGAGTGTTATAGCCTGTTGTATAATACCCTTCGG CGGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCGTAATGGTCATCAGCGACCCGTC--TTGAAACACGGA CCAA-GGAGTCAACCTTATGTGCGAGTGTTTGGGTGTTAAACC-CCTACGCGTAATGAAAGTGA-ACGCAGG TGAGAGCTTCGGCGCATCATCGACCGATCCTGATGTTC--TCGGATGGATTTGAGTAAGAGCATATAGGGTT GGACCCGAAAGAAGGTGAACTATGCGTGTGTAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAG	99.88%
H9	C-GGTTCTGACGTGCAAATCGAT--CGTCAAACATGCGCATGGGGGGCGAAAGACTAATCGA---------- AACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCCCCAGGCCCGAGTTGTAATTTGCAGAGG ATGCTTTTGGCGCG-GTGCCTTCCGAGTTCCCTGGAACGGGACGCCATAGAGGGTGAG--AGCCCCGTACGG TTGGACACCAAGCCTTTGTAAAGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAGG TACATTTCTTCTAAAGCTAAATATTGGCCAGAGACCGACAAGTAGAGTGATCGAAAGATGAAA AGCACTTTGAAAAGAGGGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGCTTGTGACCAGACT----TG CGTCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCACTTCGCCGGCACAGGCCAGCATCAGCTTG--CCGTC GGGG-ACAAAAGCTTCAGGAACGTGGCTCCTCTCGGGGAGTGTTATAGCCTGTTGCATAATACCCTTCGGC GGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCGTAATGGTCATCAGCGACCCGTC--TTGAAACACGGAC CAA-GGAGTCAACCTTATGTGCGAGTGTTTGGGTGTTAAACC-CCTACGCGTAATGAAAGTGAACGCA-GGT GAGAGCTTCGGCGCATCATCGACCGATCCTGATGTTC--TCGGATGGATTTGAGTAAGAGCATATAGGGTTG GACCCGAAAGAAGGTGAACTATGCGTGTATAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGC- GGTTCTGACGTGCAAATCGAT--CGTCAAACATGCGCATGGGGGGCGAAAGACTAATCGAACCTTCTAGTA GCTGGTTTCCGCCGAAGTTTCCCTCAGGGAAAAAAA	99.88%
H10	AACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCCCCAGGCCCGAGTTGTAATTTGCAGAGG ATGCTTTTGGCGCG-GTGCCTTCCGAGTTCCCTGGAACGGGACGCCATAGAGGGTGAG--AGCCCCGTACGG TTGGACACCAAGTCTTTGTAAAGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCAAAATGGGAGG TATATTTCTTCTAAAGCTAAATATTGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAA AGCACTTTGAAAAGAGGGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGCTTATGACCAGACT----TG CGCCCGGTGAATCACCCAGCTCTCGCGGCTGGGGCACTTTGCCG---GCTCAGGCCAGCATCAGCTCGCTGT CGGGGACAAAAGCTTCGGGAACGTAGCTCTCTTCGGGGAGTGTTATAGCCCGTTGCACAATACCCTTCGGC GGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCGTAATGGTCATCAGCGACCCGTC--TTGAAACACGGAC CAA-GGAGTCAACCTTATGTGCGAGTGTTTGGGTGTCAAACCCCTACGCGTAATGAAAGTGAACGCA--GGT GAGAGCTTCGGCGCATCATCGACCGATCCTGATGTTC--TCGGATGGATTTGAGTAAGAGCATATAGGGTTG GACCCGAAAGAAGGTGAACTATGCGTGTATAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGC- GGTTCTGACGTGCAAATCGAT--CGTCAAATATGCGCATGGGGGCGAAAGACTAATCGAACCTTCTAGTAG CTGGTTTCCGCCGAAGTT--CTCCCCCTCAAGAAAAACCAC	100%
H11	TATCCGGGAGAGACAACAGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATC TGG---CCCTAGGCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGTGAGGTGCCTTCCAAGTTCCCTAGAACG GGACGCCAGAGAGGGTGAGAGCCCCGTACAGTTGGACACCAAGCCTTTGTAAAGCT----CCTTCGACGAGT CGAGTAGTTTGG-----GAATGCTGCTCAAAATGGGAGGTATATTTCTTCTAAAGCTAAATACCGGCCAGAGA CCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCACTTTGA-AAAGAGGGTTAAACAGCACG---T GAAATTGTTAAAAGGGAAGCGCTTGTGACCAGACTTGCGTCCGGTGAATCACCCAGCTCTCGC---GGCTGG GGCACTTCGCCGGCTCAGGCCAGCATCAGCTCGCTGTCGGGGACAAAAGCTTCAGGAACGTAGCTCTCTTC GGGGAGTGTTATAGCCTGTTGCATAATACCCTTCGGCGGGCTGAGGTACGCGCTCCG-CAAGGATGCTGGC ATAATGGTCATCAGCGACCCGTCTTGAAACACGGACCAAGGAGTCAACCTTATGTGCG-AGTGTTCGGGTG TCAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCGGCGCATCATCGACCGATCCTGATGTT CTCGGATGGATTTGAGTAAGAGCATATAGGGTTGGACCCGAAAGAAGGTGAACTATGCGTGTGTAGGGTG AAGCCAGAGGACACTCTGGTGGAGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAACATGCGCAT GGGGGCGAAAGACTAATCGAACCTTCTAGTAGCTGGTTTCC-GCCGAAGTTCCCCCCTCAGGGAT	99.43%
H12	CTAGTAACGGCGAGTGAAGCGGCAA-----CAGCTCAAATTTGAAATCTGGCTCTTTTAGAGTC----CGAG TTAATTT------GCAGAGGGCGCTTTGGCTTTGGCAGCGGTCCAAGTTCCTTGGAACAGGACGTCACAGAGG- GTGAGAATC--CCGTACGTGGTCGCTGGCTA-TTGCCGTGTAAAGCCCCTTCGACGAGTCGAGTTGTTTGGGA ATGCAGCT--CTAAATGGGAGGTACATTTCTT---CTAAAGCTAAATATTGGCCAGAGACCGATAGCGCACAA GTAGAGTGATCGAAAGATGAAAAGCACTTTGGAAAGAGAGTCAAACAGCAC----GTGAAAT-TGTTGAAAG GGAAGCGCTTGCAGCCAGACTTGCTTACAGTTGCTCATCCGGGTTTCTACCCGGTGCACTCTTCTGTAGGC AGGCCAGCA-TCAGTTTGGGCGGTAGGATAAAGGTCTCTGT-CACGTACCTCCTTTCGGGGAGGCCTTATAG GGGAGACGACATACTACCAGCCTGGACTGAGGTCCGCGCATCTGCTAGGATGCTGGCGTAATGGCTGTAA GCGGCCCGTCTTGAAACACGGACCAAGGAGTCTAACATCTATGCGAGTGTTTGGGTGTCAAGCCCGAGCG CGTAATGAAAGTGAACGGAGGTGGGAACCCGCAAGGGTGCACCATCGACCGATCCTGATGTCTTCGGAAG GATTTGAGTAAGAGCATGGCTGTTGGGACCCGAAAGATGGTGAACTATGCTTGA-ATAGGGTGAAGCCAGA GGAAACTCTGGTGGAGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATTTGGGCATAGGGGCGA AAGACTAATCGAACTATCTAGTAGCTGGTTCCTGCCGAAGTTCCCCCTCAAGGAA	99.89%
H13	AGAAGTTGGGGGTTTAACGGCAGGGCACCGCCAGGGCCTTCCAAAGCGAGATATAACTACTACGCTC GGGGTCCTGGCGAGCTCGCCACTGAATTTCAGGGCCTGCTCCTCTCGAAGCAGTGCCCCATCACCAAGCCA GGCTTGAGGGTTGAAATGACGCTCGAACAGGCATGCCCCCCGGAATACCAGGGGGCGCAATGTGCGTTCA AAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCC AGAACCAAGAGATCCGTTGTTGAAAGTTTTGATTCATTTATGTTTTTTACTCAGAGATTCACTATAGAAACA AGAGTTTA	99.44%
H14	GTTGGCCGCCGGCGGGCTGCTCCCCGTCTCCGGGGGGCCCCAGTGAAGGGGCCGGCCTGACGCCGAG GCAACAGTAGGTATAAGTTCACAAAGGGTTTCTGGGTGCGCCGAAGCGCGTTCCAGCAATGATCCCTCCGC TGGTTCACCAACGGAGACCTTGTTACGACTTTTACTTC GAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCCTTCGGGTCCGAGTTGTA------ATTTGTAGAGG ATGCTTTTGGTGAGGTGCCTTCCGAGTTCCCTGGAACGGGACGCCATAGAGGGTGAGAGCCCCGTCTGGTT GGACACCGATCCTCTGTAAAGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAGGTA TATGTCTTCTAAAGCTAAAT--ATTGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAA GCACTTTGAAAAGAGAGTTAAAAAGTACGTGAAATTGTTGAAAGGGAAGCGCTCATGACCAGACTTGGGC TT-GGTTGATCATCCAGGGTTCTCCCTGGTGCACTCTTCCAGTTCAGGCCAGCATCAGTTCGCTGTGGGGGA TAAAGGCTTTGGGAATGTGGCTCCC-TCGGGAGTGTTATAGCCCATTGTGTAATACCCTG--TGGTGGACTGA GGTTCGCGCATTCGCAAGGATGCTGGCGTAATGGTCATCAGCGACCCGTCTTGAAACACGGACCAAGGAG- ---TCGTCTTCGTATGCGAGTGTTCGGGTGTTAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCT TCGGCGCATCATCGACCG-ATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATACGGGGCCGGACCCGA	99.53%

	A--AGAA GGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGCGGTTCTGACG TGCAAATCGATCGTCAAATATGGGCATGGGGGGCGAAAGACTAATCGAACCTTCTAGTAGCTGGTTTCCGC CGAAGATCTCCCTCTAAGGGATCCA	
H15	GAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCCTTCGGGTCCGAGTTGTAATTTGTAGAGGATG CTTTTGGTGAGGTGCCTTCCGAGTTCCCTGGAACGGGACGCCATAGAGGGTGAGAGCCCCGTCTGGTTGGA CACCGATCCTCTGTAAAGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAGGTATAT GTCTTCTAAAGCTAAAT--ATTGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCA CTTTGAAAAGAGAGTTAAAAAGTACGTGAAATTGTTGAAAGGGAAGCGCTCATGACCAGACTTGGGCTT-G GTTGATCATCCAGGGTTCTCCCTGGTGCACTCTTCCAGTTCAGGCCAGCATCAGTTCGCTGTGGGGGATAA AGGCTTTGGGAATGTGGCTCCC-TCGGGAGTGTTATAGCCCATTGTGTAATACCCTG--TGGTGGACTGAGGT TCGCGCATTCGCAAGGATGCTGGCGTAATGGTCATCAGCGACCCGTCTTGAAACACGGACCAAGGAG----T CGTCTTCGTATGCGAGTGTTCGGGTGTTAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCG GCGCATCATCGACCG-ATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATACGGGGCCGG-ACCCGAAA GAAAGGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGCGGTTCTGAC GTGCAAATCGATCGTCAAATATGGGCATGGGGGGCGAAAGACTAATCGAACCTTCTAGTAGCTGGTTTCC GCCGAGACTCCCCTCAGAGGAAAAACAAAACC----------	99.88%
H16	TATCGGGGAGCAGACCAACAGGGATTGCCCCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTG AAATCTGGCCCCAGGCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGCGCG-GTGCCTTCCGAGTTCCCTGG AACGGGACGCCATAGAGGGTGAG--AGCCCCGTACGGTTGGACACCAAGCCTTTGTAAAGCTCCTTCGACG AGTCGAGTAGTTTGGGAATGCTGCTCAAAATGGGAGGTATATTTCTTCTAAAGCTAAATATAGGCCAGAGA CCGATAGCGCACAAGTAGAGTGATCGAAAGATGAAAAGCACTTTGAAAAGAGGGTTAAACAGCACGTGA AATTGTTAAAAGGGAAGCGCTTGTGACCAGACT----TGCGTCCGGTGAATCACCCAGCTCTCGCGGCTGGGG CACTTCGCCGGCACAGGCCAGCATCAGCTTG--CCGTCGGGG-ACAAAAGCTTCAGGAACGTAGCTCTCTTC GGGGAGTGTTATAGCCTGTTGCATAATACCCTTCGGCGGGCTGAGGTACGCGCTCCGCAAGGATGCTGGCG TAATGGTCATCAGCGACCCGTC--TTGAAACACGGACCAA-GGAGTCAACCTTATGTGCGAGTGTTTGGGTG TTAAACCCCTACGCGTAATGAAAGTGAACGCA--GGTGAGAGCTTCGGCGCATCATCGACCGATCCTGATGT TC--TCGGATGGATTTGAGTAAGAGCATATAGGGTTGGACCCGAAAGAAGGTGAACTATGCGTGTGTAGGG TGAAGCCAGAGGAAACTCTGGTGGAGGCTCGCAGC-GGTTCTGACGTGCAAATCGAT--CGTCAAACATGCG CATGGGGGCGAAAGACTAATCGAA--CCTTCTAGTAGCTGGTTTCCGC-CGAAGATCCCTTTTCAAGGAAAA ACA	100%