**510ers,**

**Below are your DNA sequencing results listed by group and member. “Copy and Paste” your sequence into the BLAST window at SGD:** [**http://www.yeastgenome.org/blast-sgd**](http://www.yeastgenome.org/blast-sgd)

**Then select Run WU-Blast (all the default settings are fine). Click on the “orf map” icon on the results obtained to identify the gene you cloned – this will be the gene between the two vertical dashed lines in the chromosome image. You can click on the gene name to learn what this gene does in the cell.**

**>18u Group 1 GJ**

ACGCTCCAGCTTAATAATCAAAATTATAAGATCCACCCGTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGCCGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACAATTATAGTTCAATGATAAATGCTTAACGTCCTTCTACTATTGGAAGCGCATGTTTGATCAGTAGGACTTCTTGATCTCCTCTGATATCTTAAGGTAAGTATGAATTCCCTATAGTGAGTCGTATTAAATTCGTAATCATGTCATAGCTGTTTCCTGTGGGAAATTGTTATCCGCTCCCAATTCCCCCAAACATACGAACCCGGAAGCATAAAGTGTAAAGCCTGGGGGGGCCTAATGAGGGGGGGCTAACTCCCAATTAAATTGCGGTTGGGCTTCATGGCCGCTTTTCCAGTCGGGAAAACTGGCTTGGCCACCT

**>18u Group 1 CW**

CTCCGACGCTCCAGCTTAATAATCAAAATTATAAGATCCACCCGTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGCCGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACAATTATAGTTCAATGATAAATGCTTAACGTCCTTCTACTATTGGAAGCGCATGTTTGATCAGTAGGACTTCTTGATCTCCTCTGATATCTTAAGGTAAGTATGAATTCCCTATAGTGAGTCGTATTAAATTCGTAATCATGTCATAGCTGTTTCCTGTGGGAAATTGTTATCCGCTCCCAATTCCCCCAAACATACGAACCCGGAAGCATAAAGTGTAAAGCCTGGGGGGGCCTAATGAGGGGGGGCTAACTCCCAATTAAATTGCGGTTGGGCTTCATGGCCGCTTTTCCAGTCGGGAAAACTGGCTTGGCCACCTGCATTAAAGGAATCGGCCCAACCGCCGGGGGAAAAGGCTTTTGCTTATTGGGGGCCCTTTCCCTTTCCCCCCAAAAAGAACCTGGGCCTTGGGTTTTGGTGCGGGGGAGGGGTATCCTCTACTTCCCAAAGGGGGATATATCGTTACCTGAATCCTGGATATACCCGGAAAAACTTGACAAACGGCCGAAGCAGCGGAATCTTAACGGCGCTCGGGTTTCTTGCCCCCCCC

**>18u Group 2 TB**

GTTCGGCGTGCAGCTTAAATAAATCAAAAATTATAAGATCCACCCGTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGCCGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACCATTATAGTCTCAATGGAAAAAATGCTTAAACGCCCTTCTAATATTGGGAAGCGCATGTTTTGAATCAATAGCGACCTTCATGGATCTCCGTCGACAAACACTACGGAAGGCATGATAGCCCAAAAGTAGTCACAAATAATGCCTCTACAAAGATCTCTTTTGAAATGCCCCAGCTCCCCTAACACCAAATTTGAATTTGGCGCCAAACTTTCTCCGCGAAGAAGAAACATACGGGACGCCAAAAAATTCACTTTTAACCCTAAAAAATGCCCCAAAAGGGAATCCAAGGGGATCAAACCCACATCGCACTGAACACCAAGGGGAAATGGGAAACCGTCCAGCCTAAACACTGCTCTTTCCGAGACGGTCGGCTATGGTGGCGGTGGTGGAACCAAAGGGAAGCTTTGGGCCACCCAAATGAACTTTCAGA

**>18u Group 2 SD**

GCTTAATAATCAAAATTATAAGATCCACCCGTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGNNGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACAATTATAGTTCAATGATAAATGCTTAACGTCCTTCTACTATTGGAAGCGCATGTTTGATCAGTAGGANTTCTTGATCTCCTCTGATATCTTAAGGTAAGTATGAATTCCCTATAGTGAGTCGTATTAAATTCGTAATCATGTCATAGCTGTTTCCTGTGGGAAATTGTTATCCGCTCCCAATTCCCCCAAACATACGAACCCGGAAGCATAAAGTGTAAAGCCTGGGGGGGCCTAATGAGGGGGGGCTAACTCCCAATTAAATTGCGGTTGGGCTTCATGGCCGCTTTTCCAGTCGGGAAAACTGGCTTGGCCACCTGCATTAAAGGAATCGGCCCAACCGCCGGGGGAAAAGGCT

**>19u Group 3 LH**

CCCGTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGNNGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACAATTATAGTTCAATGATAAATGCTTAACGTCCTTCTACTATTGGAAGCGCATGTTTGATCAGTAGGANTTCTTGATCTCCTCTGATATCTTAAGGTAAGTATGAATTCCCTATAGTGAGTCGTATTAAATTCGTAATCATGTCATAGCTGTTTCCTGTGGGAAATTGTTATCCGCTCCCAATTCCCCCAAACATACGAACCCGGAAGCATAAAGTGTAAAGCCTGGGGGGGCCTAATGAGGGGGGGCTAACTCCCAATTAAATTGCGGTTGGGCTTCATGGCCGCTTTTCCA

**>19u Group 3 BX**

AAATTATAAGATCCACCCGTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGNNGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACAATTATAGTTCAATGATAAATGCTTAACGTCCTTCTACTATTGGAAGCGCATGTTTGATCAGTAGGANTTCTTGATCTCCTCTGATATCTTAAGGTAAGTATGAATTCCCTATAGTGAGTCGTATTAAATTCGTAATCATGTCATAGCTGTTTCCTGTGGGAAATTGTTATCCGCTCCCAATTCCCCCAAACATACGAACCCGGAAGCATAAAGTGTAAAGCCTGGGGGGGCCTAATGAGGGGGGGCTAACTCCCAATTA

**>19U Group 4 JG**

CTTAAATAAATCAAAAATTATAAGATCCACNNNTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGCCGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACCATTATAGTCTCAATGGAAAAAATGCTTAAACGCCCTTCTAATATTGGGAAGCGCATGTTTTGAATCAATAGCGACCTTCATGGATCTCCGTCGACAAACACTACGGAAGGCATGATAGCCCAAAAGTAGT

**>19u Group 4 NMR**

AGCTTAAATAAATCAAAAATTATAAGATCCACNNNTTCCTACCAAGACCTTCCAAAATTTTTCCCATAACGGGAACGAGCAAAGTTGAGACTGCTCAAAAGAGCACATCTTCAAACTACAATCCCGACCAAATAATCTCAACAGCCATACCTTCATCATAAACTTAAGTTCATTCGAATCTGCCGTCAAAAACTAAAATGGCACGCTAGAGAAAAGTAGTCAAAAAGAATGCCTCTACAAAGCTCTCTTTTGAAAGGCCCCAGCTCCCCTAACACCAATTTGAATTTGGTGTCAAACTTCTCCAGGCAGAAGAAACAAAGGGCCCCAAAAATCAGTTTAACCCAAAAATCCCCAAAGGAATCAAGGGATTAACCAATGATTGAAACAAGGGAATGGAAACGTCAGCAAACACGCCTTCCGCGCCGTATGTGTGTGTGACCAAGGAGTTTGCATCAATGACTTCAATGAACCATTATAGTCTCAATGGAAAAAATGCTTAAACGCCCTTCTAATATTGGGAAGCGCATGTTTTGAATCAATAGCGACCTTCATGGATCTCCGTCGACAAACACTACGGAAGGCATGATAGCCCAAAAGTAGTCACAAATAATGCCTCTACAAAGATCTCTTTTGAAATGCCCCAGCTCCCCTAACACCAAATTTGAATTTGGCGCCAAACTTTCTCCGCGAAGAAGAAACATACGGGACGCCAAAAAATTCACTTTTAACCCTAAAAAATGCCCCAAAAGGGAATCCAAGGGGATCAAACCC

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