

ID Construct **12ABHCNC**
 Customer **UNIVERSITÄT REGENSBURG, Jennifer
Flechsler**
 Name of the gene **Igni_0341**
 optimized for **Escherichia coli**
 Upper sequence: as provided
 Lower sequence: as sequenced

17.10.2012 08:34:39

Sequence identity: 100%

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                                GGATCCCATATGGTGAAAGT
                                |||||
  CACTATAGGGCGAATTGAAGGAAGGCCGTCAAGGCCGCATGGATCCCATATGGTGAAAGT
1  -----+-----+-----+-----+-----+-----+
                                TCCGAAACTGATGGCAACCCAGCATCCGGATAGCACCGTTGTTCTGATGCCGCAGGATGA
                                |||||
  TCCGAAACTGATGGCAACCCAGCATCCGGATAGCACCGTTGTTCTGATGCCGCAGGATGA
61 -----+-----+-----+-----+-----+-----+
                                AGTTGAAGAGGCAATTCAGGATGTTCTGCCGCTGGATCAGGGTGGTCGTGGTTGTGATGA
                                |||||
  AGTTGAAGAGGCAATTCAGGATGTTCTGCCGCTGGATCAGGGTGGTCGTGGTTGTGATGA
121 -----+-----+-----+-----+-----+-----+
                                AAAAATGGTTGATTATGAAGGTAAAGCCACCCCGTATAATCAGATGCGTGATATTATTGA
                                |||||
  AAAAATGGTTGATTATGAAGGTAAAGCCACCCCGTATAATCAGATGCGTGATATTATTGA
181 -----+-----+-----+-----+-----+-----+
                                AGAGGTGCGCAAATATGATGTTGTTCCGGGTGAAGATTTTCTGATTACACCGCGTGTTCC
                                |||||
  AGAGGTGCGCAAATATGATGTTGTTCCGGGTGAAGATTTTCTGATTACACCGCGTGTTCC
241 -----+-----+-----+-----+-----+-----+

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GAATCCGAAACTGGAAGATAAAGATCGTCATCTGCTGGCAATTACCGCAGCAGTTACCGC
 |||||
 GAATCCGAAACTGGAAGATAAAGATCGTCATCTGCTGGCAATTACCGCAGCAGTTACCGC
 301 -----+-----+-----+-----+-----+-----+

AAATATGTATAGCCAGATGTATTTCAACACCGATGCCATCAAATATATCATTCTGCCGAT
 |||||
 AAATATGTATAGCCAGATGTATTTCAACACCGATGCCATCAAATATATCATTCTGCCGAT
 361 -----+-----+-----+-----+-----+-----+

GAGCACCAGCACCTGGAAGTGGCAGAAGTTCAGCGTCGTATTCTGAAAGTTGAACGTCT
 |||||
 GAGCACCAGCACCTGGAAGTGGCAGAAGTTCAGCGTCGTATTCTGAAAGTTGAACGTCT
 421 -----+-----+-----+-----+-----+-----+

GGTTAGCGAAGAATTTAGCCTGCGTATTGAAGAATGGATTAAACTGATTCCGCTGTTCTGA
 |||||
 GGTTAGCGAAGAATTTAGCCTGCGTATTGAAGAATGGATTAAACTGATTCCGCTGTTCTGA
 481 -----+-----+-----+-----+-----+-----+

AACCGCAGAAAGCCACATGCATATTGATGAAATTGTTGAAGGTCTGCGCATTGCCTTCAT
 |||||
 AACCGCAGAAAGCCACATGCATATTGATGAAATTGTTGAAGGTCTGCGCATTGCCTTCAT
 541 -----+-----+-----+-----+-----+-----+

TAAAGAAATTGGCATGTTTGAGAACGAATTTTCGCATCTTTATGGGCAAAGCGATAGCGG
 |||||
 TAAAGAAATTGGCATGTTTGAGAACGAATTTTCGCATCTTTATGGGCAAAGCGATAGCGG
 601 -----+-----+-----+-----+-----+-----+

TATTCATAGCGGTCATATTGCAAGCAGCATTGGTGTTTCGTATGGGTCTGCTGAAACTGTG
 |||||
 TATTCATAGCGGTCATATTGCAAGCAGCATTGGTGTTTCGTATGGGTCTGCTGAAACTGTG
 661 -----+-----+-----+-----+-----+-----+

GAATTGGCAGAAAGATACCATGTTCAAAGTGTATCCGATTATCGGTATGGGTAAACCGCC
 ||
 GAATTGGCAGAAAGATACCATGTTCAAAGTGTATCCGATTATCGGTATGGGTAAACCGCC
 721 -----+-----+-----+-----+-----+-----+

TCTGCGTGGTCACATGGCAGAATGGGTTATTGAAGATTGGGTTGAAGCATGGCGTGGTTA
 ||
 TCTGCGTGGTCACATGGCAGAATGGGTTATTGAAGATTGGGTTGAAGCATGGCGTGGTTA
 781 -----+-----+-----+-----+-----+-----+

TTATACCGCAACCGTTCAGAGCGCACTGCGTTTTAATACCGATCGTAAAGATTATGTGCA
 ||
 TTATACCGCAACCGTTCAGAGCGCACTGCGTTTTAATACCGATCGTAAAGATTATGTGCA
 841 -----+-----+-----+-----+-----+-----+

TACCATTACCGTGGTGACCAAAAATAGCGGTAAACAGCCTCCGCTGGAAGTCTGGGTTA
 ||
 TACCATTACCGTGGTGACCAAAAATAGCGGTAAACAGCCTCCGCTGGAAGTCTGGGTTA
 901 -----+-----+-----+-----+-----+-----+

TGCAAAAGAAATGGTTAATGTTGCATGGCGTGCAAGCGAAGTTTATCTGAGCCGTCTGGA
 ||
 TGCAAAAGAAATGGTTAATGTTGCATGGCGTGCAAGCGAAGTTTATCTGAGCCGTCTGGA
 961 -----+-----+-----+-----+-----+-----+

ACGTCTGGCAGATATGATTAGCTTTATGGCCAAATTTGTTACCCGTACCCGTGCACGTCT
 ||
 ACGTCTGGCAGATATGATTAGCTTTATGGCCAAATTTGTTACCCGTACCCGTGCACGTCT
 1021 -----+-----+-----+-----+-----+-----+

GGATAGCTATAAACGTCGTGCAAAAACCGGTAAAGAAATGCCTCGTGCAATTCGTTTTTG
 ||
 GGATAGCTATAAACGTCGTGCAAAAACCGGTAAAGAAATGCCTCGTGCAATTCGTTTTTG
 1081 -----+-----+-----+-----+-----+-----+

TGCAAGCCTGTATAGCATGGGTCTGGGTCCGACCCTGATTGGTGCCGGTGTTATTGAAGA
 ||
 TGCAAGCCTGTATAGCATGGGTCTGGGTCCGACCCTGATTGGTGCCGGTGTTATTGAAGA
 1141 -----+-----+-----+-----+-----+-----+

ACTGGCAAGCGGCACCGCAGAAAACTGGAACATCTGCTGAAATTTGTTCCGCTGCTGCC
 ||
 ACTGGCAAGCGGCACCGCAGAAAACTGGAACATCTGCTGAAATTTGTTCCGCTGCTGCC
 1201 -----+-----+-----+-----+-----+-----+

GAAAGATTTTGCATTTGATTATGCATTCACCGATCTGGAAGTGTTCAAACGTTATGTGGA
 ||
 GAAAGATTTTGCATTTGATTATGCATTCACCGATCTGGAAGTGTTCAAACGTTATGTGGA
 1261 -----+-----+-----+-----+-----+-----+

TGAAAAAACCTTTGAAATTATCAAAAAAGATGTGGATGTGGTGAAAGAATACTTCGCCAA
 ||
 TGAAAAAACCTTTGAAATTATCAAAAAAGATGTGGATGTGGTGAAAGAATACTTCGCCAA
 1321 -----+-----+-----+-----+-----+-----+

TGTTGAACCGCCTAAAAGCCCTCCGGAAGGTTATTTTGAAAACTGCGCGAACTGCGTGG
 ||
 TGTTGAACCGCCTAAAAGCCCTCCGGAAGGTTATTTTGAAAACTGCGCGAACTGCGTGG
 1381 -----+-----+-----+-----+-----+-----+

TGCACTGGATGAAGCCGAAGTTAGCCGTGCAAAAGCAATTGTTATGGAAGTGGCCGAAAT
 ||
 TGCACTGGATGAAGCCGAAGTTAGCCGTGCAAAAGCAATTGTTATGGAAGTGGCCGAAAT
 1441 -----+-----+-----+-----+-----+-----+

GCGTGTTTTCTGGGTTAACCATGG
 ||||||||||||||||||||
 GCGTGTTTTCTGGGTTAACCATGGCTGGGCCTCATGGGCCTTCCTTTCACTGCCCGCTT
 1501 -----+-----+-----+-----+-----+-----+

1561 TCCAG
