

ID Construct **12ABJHBC**

Customer **UNIVERSITÄT REGENSBURG, Jennifer Flechsler**

Name of the gene **Igni_1058**

optimized for **Escherichia coli**

Upper sequence: as provided
Lower sequence: as sequenced

23.10.2012 09:00:31

Sequence identity: 100%

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                                GGATCCATGCTGGGTGGTGC
                                |||||
CACTATAGGGCGAATTGAAGGAAGGCCGTCAAGGCCGCATGGATCCATGCTGGGTGGTGC
1  -----+-----+-----+-----+-----+-----+-----+

ACTGGCACTGTATAGCCTGCTGCGTCTGTGGACCGCAGATCAGGCACTGCAAGAAGTTCG
|||||
ACTGGCACTGTATAGCCTGCTGCGTCTGTGGACCGCAGATCAGGCACTGCAAGAAGTTCG
61 -----+-----+-----+-----+-----+-----+-----+

TAAAGTTCTGGTTGTTGGTGCCGGTGTTATGGGTCATGGTATTGCACAGGTTGCAGCAAT
|||||
TAAAGTTCTGGTTGTTGGTGCCGGTGTTATGGGTCATGGTATTGCACAGGTTGCAGCAAT
121 -----+-----+-----+-----+-----+-----+-----+

GAGCGGTCTGAATGTTTCGTATGATTGATATTAAACAAGAATTTCTGGATCGCGCAATGGA
|||||
GAGCGGTCTGAATGTTTCGTATGATTGATATTAAACAAGAATTTCTGGATCGCGCAATGGA
181 -----+-----+-----+-----+-----+-----+-----+

ACGCATTAAAGAAAGCCTGGAAAACTGTATGCCAAAGGCAAACCTGAAAGAACCGCCTGA
|||||
ACGCATTAAAGAAAGCCTGGAAAACTGTATGCCAAAGGCAAACCTGAAAGAACCGCCTGA
241 -----+-----+-----+-----+-----+-----+-----+

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AGAAGTTCTGAAACGTATTGAAACAATGGTTGCCAATCCGGATGATGAAAGCAGCTATGC
 |||||
 AGAAGTTCTGAAACGTATTGAAACAATGGTTGCCAATCCGGATGATGAAAGCAGCTATGC
 301 -----+-----+-----+-----+-----+-----+

CGAAGCAGCAAAAGATGTTGATTTTGTTATTGAAGCCGTGCCGAAAACTGGAAGTGA
 |||||
 CGAAGCAGCAAAAGATGTTGATTTTGTTATTGAAGCCGTGCCGAAAACTGGAAGTGA
 361 -----+-----+-----+-----+-----+-----+

ACGTGCAGTTTTTAGCGTGCTGGATAAATATGCACCGCCTCATGCAATTCTGGCAAGCAA
 |||||
 ACGTGCAGTTTTTAGCGTGCTGGATAAATATGCACCGCCTCATGCAATTCTGGCAAGCAA
 421 -----+-----+-----+-----+-----+-----+

TACCAGCAGCATTCCGATTACCGAAATTGCAAAAGCAACCAAACGTCCGGATAAAGTTGT
 |||||
 TACCAGCAGCATTCCGATTACCGAAATTGCAAAAGCAACCAAACGTCCGGATAAAGTTGT
 481 -----+-----+-----+-----+-----+-----+

TGGCATGCATTTTTTCAATCCGCCTGTTATTCTGAAACTGGTTGAAGTTGTTTCGTGGCAA
 |||||
 TGGCATGCATTTTTTCAATCCGCCTGTTATTCTGAAACTGGTTGAAGTTGTTTCGTGGCAA
 541 -----+-----+-----+-----+-----+-----+

AGAAACCAGTGATGAAACCGTGAAAATTACCGTTGAACTGGCCAAAAAATGGGCAAAGT
 |||||
 AGAAACCAGTGATGAAACCGTGAAAATTACCGTTGAACTGGCCAAAAAATGGGCAAAGT
 601 -----+-----+-----+-----+-----+-----+

TCCGATTGTGGTGAACAAAGATGTTCCGGGTTTTATTGTGAATCGTATCATGGCACGTTT
 |||||
 TCCGATTGTGGTGAACAAAGATGTTCCGGGTTTTATTGTGAATCGTATCATGGCACGTTT
 661 -----+-----+-----+-----+-----+-----+

TCTGAATGAAGGTTGTTGGCTGGTTGAACGTGGTGTATACCAAAGAACAGGTTGATGC
|||||
TCTGAATGAAGGTTGTTGGCTGGTTGAACGTGGTGTATACCAAAGAACAGGTTGATGC
721 -----+-----+-----+-----+-----+-----+

AGCACTGCGCTATAAACTGAATTTTCCGATGGGTGCATTTGAGCTGGCAGATTATGTTGG
|||||
AGCACTGCGCTATAAACTGAATTTTCCGATGGGTGCATTTGAGCTGGCAGATTATGTTGG
781 -----+-----+-----+-----+-----+-----+

TCTGGATGTTCTGGTTCATCTGATGGAAGCAATGAAAGAACGTGGTATGAATCTGACCAT
|||||
TCTGGATGTTCTGGTTCATCTGATGGAAGCAATGAAAGAACGTGGTATGAATCTGACCAT
841 -----+-----+-----+-----+-----+-----+

TTGTCCGCTGTTCAAAAACTGCTGGAAGAAGGTAACTGGGCGTTAAAGCGGTGAAGG
|||||
TTGTCCGCTGTTCAAAAACTGCTGGAAGAAGGTAACTGGGCGTTAAAGCGGTGAAGG
901 -----+-----+-----+-----+-----+-----+

CTTTTACAAATATCCGGCACCGGGCAAGTTCAAAAAACCGGTTGTTAAAGCAAGCGCAGC
|||||
CTTTTACAAATATCCGGCACCGGGCAAGTTCAAAAAACCGGTTGTTAAAGCAAGCGCAGC
961 -----+-----+-----+-----+-----+-----+

AGAAGGTGTTGATTACATTAGCATTGTTGATACCGCAGTTAATGAAGGTGCATGGCTGGT
|||||
AGAAGGTGTTGATTACATTAGCATTGTTGATACCGCAGTTAATGAAGGTGCATGGCTGGT
1021 -----+-----+-----+-----+-----+-----+

AGAAAATGGTGTTCAGGTCCGGAAGAAGTTGATACCGCCACCGTTCTGGGTCTGAATCT
|||||
AGAAAATGGTGTTCAGGTCCGGAAGAAGTTGATACCGCCACCGTTCTGGGTCTGAATCT
1081 -----+-----+-----+-----+-----+-----+

GCCGATGGGTATCCTGAAACTGGGTGATAGCCTGGGTCTGGATAATGTTCTGGATAGCAT
 |||||
 GCCGATGGGTATCCTGAAACTGGGTGATAGCCTGGGTCTGGATAATGTTCTGGATAGCAT
 1141 -----+-----+-----+-----+-----+-----+

CAACGAAAAAAGAAAAATATGGCCTGGAAGATTATCGTCCGGTTCAGCTGCTGGAAAA
 |||||
 CAACGAAAAAAGAAAAATATGGCCTGGAAGATTATCGTCCGGTTCAGCTGCTGGAAAA
 1201 -----+-----+-----+-----+-----+-----+

TATGGTTAAGGAAGGTAAATGCGGAGTAAAATGCGGCAAAGGTTTTTATGAATATGAAGT
 |||||
 TATGGTTAAGGAAGGTAAATGCGGAGTAAAATGCGGCAAAGGTTTTTATGAATATGAAGT
 1261 -----+-----+-----+-----+-----+-----+

GAGCGAAGAAGATCTGGGCGAAATCAAAGTTCGTCTGAAGGTGAAGCACTGTGGATTAT
 |||||
 GAGCGAAGAAGATCTGGGCGAAATCAAAGTTCGTCTGAAGGTGAAGCACTGTGGATTAT
 1321 -----+-----+-----+-----+-----+-----+

TCTGAATCGTCCGAAACAGCGTAATGCACTGACACCGGAAATGCTGCTGAAAATGGCCGA
 |||||
 TCTGAATCGTCCGAAACAGCGTAATGCACTGACACCGGAAATGCTGCTGAAAATGGCCGA
 1381 -----+-----+-----+-----+-----+-----+

AGTTGCACAGAAAGCATGTGAAGATGAAGGTGTTTCGTGCAATTGTTCTGTATGGTGGTGA
 |||||
 AGTTGCACAGAAAGCATGTGAAGATGAAGGTGTTTCGTGCAATTGTTCTGTATGGTGGTGA
 1441 -----+-----+-----+-----+-----+-----+

TGTTTTTAGCGCAGGTTTTGATCTGACCGTGATGAAAGATGTAGATCCGACCAAAGCACC
 |||||
 TGTTTTTAGCGCAGGTTTTGATCTGACCGTGATGAAAGATGTAGATCCGACCAAAGCACC
 1501 -----+-----+-----+-----+-----+-----+

GGAAACCGTTGCACGTCCTTTCAAAAACTGGCACTGGCACTGGAAGGTTGTCCGAAACC
||
GGAAACCGTTGCACGTCCTTTCAAAAACTGGCACTGGCACTGGAAGGTTGTCCGAAACC
1561 -----+-----+-----+-----+-----+-----+

GGTTATTGCATATATTACCGGTTATGCACTGGGTGGTGGTCTGGAAGTTGCAATGATGGC
||
GGTTATTGCATATATTACCGGTTATGCACTGGGTGGTGGTCTGGAAGTTGCAATGATGGC
1621 -----+-----+-----+-----+-----+-----+

AGATCTGCGTCTGGCAACCGAAGATAGCCTGCTGGGTCAGCCGAAATTAATGTTGGTAT
||
AGATCTGCGTCTGGCAACCGAAGATAGCCTGCTGGGTCAGCCGAAATTAATGTTGGTAT
1681 -----+-----+-----+-----+-----+-----+

TATGCCTGGTGGTGGTGGCACCCAGCGTCTGCCTCGTCTGGTTGGTCTGGGTCGTGCAAT
||
TATGCCTGGTGGTGGTGGCACCCAGCGTCTGCCTCGTCTGGTTGGTCTGGGTCGTGCAAT
1741 -----+-----+-----+-----+-----+-----+

GCAGCTGGTTCTGCTGGGTGATCCGATTGATGCAGTTGAAGCAGAAAAATGGGGTCTGGT
||
GCAGCTGGTTCTGCTGGGTGATCCGATTGATGCAGTTGAAGCAGAAAAATGGGGTCTGGT
1801 -----+-----+-----+-----+-----+-----+

TAATTGGGCAGTGCCGAAACGTATTGCAGATAGCGAAGTTCGTCTGCTGGTTAAAAAACT
||
TAATTGGGCAGTGCCGAAACGTATTGCAGATAGCGAAGTTCGTCTGCTGGTTAAAAAACT
1861 -----+-----+-----+-----+-----+-----+

GAGCAGCAAACCGAAAGAAGCACTGGCCCTGGCAAAAAAAGCAGTTCGTGTTGCACAAGA
||
GAGCAGCAAACCGAAAGAAGCACTGGCCCTGGCAAAAAAAGCAGTTCGTGTTGCACAAGA
1921 -----+-----+-----+-----+-----+-----+

