

ID Construct **14AGDG6C**
 Customer **UNIVERSITÄT REGENSBURG, Jennifer
Flechsler**
 Name of the gene **Igni_0379**
 optimized for **Escherichia coli**

15.09.2014 08:24:34

Upper sequence: as provided
 Lower sequence: as sequenced

Sequence identity: 100%

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                                GCTAGCGTTTATCATGATCC
                                |||||
1  CACTATAGGGCGAATTGAAGGAAGGCCGTCAGGCCGCATGCTAGCGTTTATCATGATCC
   -----+-----+-----+-----+-----+-----+-----+
                                GGGTAAACCGGTTTCATAAAATCATTGAAGAACGTGCACGTGAGAGTCCGGATAAAGTTGC
                                |||||
61 GGGTAAACCGGTTTCATAAAATCATTGAAGAACGTGCACGTGAGAGTCCGGATAAAGTTGC
   -----+-----+-----+-----+-----+-----+-----+
                                ACTGGTTTATGAAGATGGCACCGAACTGACCTATAAAGATCTGATTAGCAAAGCAAAAGC
                                |||||
121 ACTGGTTTATGAAGATGGCACCGAACTGACCTATAAAGATCTGATTAGCAAAGCAAAAGC
   -----+-----+-----+-----+-----+-----+-----+
                                CGTTGCCAATCTGCTGTATGAAAATAAAGTTCGCAAATGCGATACCGTGTTTCCTGATTAT
                                |||||
181 CGTTGCCAATCTGCTGTATGAAAATAAAGTTCGCAAATGCGATACCGTGTTTCCTGATTAT
   -----+-----+-----+-----+-----+-----+-----+
                                GTTTAACCGTCCGGAATTTGTTACCAGCCTGCTGGGTGCACTGTATGCCGGTGACGTGT
                                |||||
241 GTTTAACCGTCCGGAATTTGTTACCAGCCTGCTGGGTGCACTGTATGCCGGTGACGTGT
   -----+-----+-----+-----+-----+-----+-----+
                                TGTTATTGTTGATGCACTGACCCAGAAAGAAGATCTGGCATTTCAGCTGAATGATAGCGC
                                |||||
301 TGTTATTGTTGATGCACTGACCCAGAAAGAAGATCTGGCATTTCAGCTGAATGATAGCGC
   -----+-----+-----+-----+-----+-----+-----+

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ACCGAAAGTTGTTCTGGCAGATGAAGAAGTTCTGCAGCGCGAAAGCGAAACCCTGAAAGG
 |||||
 ACCGAAAGTTGTTCTGGCAGATGAAGAAGTTCTGCAGCGCGAAAGCGAAACCCTGAAAGG
 361 -----+-----+-----+-----+-----+-----+

TTATGCAGTTCTGACCGAAAAAGATCTGAGCAGCGCAAGCGGTGAACATGAAGTTGTTGT
 |||||
 TTATGCAGTTCTGACCGAAAAAGATCTGAGCAGCGCAAGCGGTGAACATGAAGTTGTTGT
 421 -----+-----+-----+-----+-----+-----+

TGGTTATGAAGATGATGCCCGTGTTTTCTATTATGCAGGTATTGCAGGTCGTACCATGCA
 |||||
 TGGTTATGAAGATGATGCCCGTGTTTTCTATTATGCAGGTATTGCAGGTCGTACCATGCA
 481 -----+-----+-----+-----+-----+-----+

GGTTATTCATAGCCATCGTAGCTTTACCGGTGCAATTATGCCGCTGGTTCAGGCCGAAGG
 |||||
 GGTTATTCATAGCCATCGTAGCTTTACCGGTGCAATTATGCCGCTGGTTCAGGCCGAAGG
 541 -----+-----+-----+-----+-----+-----+

TATTAATGCAAATGATGTTAGCCTGGTTACCGTTCCGCTGACCCATGTTCTGGGTCTGGA
 |||||
 TATTAATGCAAATGATGTTAGCCTGGTTACCGTTCCGCTGACCCATGTTCTGGGTCTGGA
 601 -----+-----+-----+-----+-----+-----+

TGCAGCACTGCTGAGCGCACTGGTTAGCGGTGCAACCGCACTGCTGCTGAAAAAGTTCAA
 |||||
 TGCAGCACTGCTGAGCGCACTGGTTAGCGGTGCAACCGCACTGCTGCTGAAAAAGTTCAA
 661 -----+-----+-----+-----+-----+-----+

TATGGATAAAATCAAAGAGATGGTTGCACGTCGTAGCCCGACCTATCTGGTTGCAGTTCC
 |||||
 TATGGATAAAATCAAAGAGATGGTTGCACGTCGTAGCCCGACCTATCTGGTTGCAGTTCC
 721 -----+-----+-----+-----+-----+-----+

GCTGGTTTTTTCAGACCCTGATGAAAGAAGATGAAGAATTTGTTAAAAGCCTGGGTCAGAG
 |||||
 GCTGGTTTTTTCAGACCCTGATGAAAGAAGATGAAGAATTTGTTAAAAGCCTGGGTCAGAG
 781 -----+-----+-----+-----+-----+-----+

CCTGCGTTGGGCAATGAGCGGTGGTGCATATCTGCCTCCGGATGATCAGCGTCGTTGGGA
 |||||
 CCTGCGTTGGGCAATGAGCGGTGGTGCATATCTGCCTCCGGATGATCAGCGTCGTTGGGA
 841 -----+-----+-----+-----+-----+-----+

AGAACTGACCGGTAAACCGCTGCTGCAGGTTTATGGTATGACCGAAGCACCGCAGATTTT
 |||||
 AGAACTGACCGGTAAACCGCTGCTGCAGGTTTATGGTATGACCGAAGCACCGCAGATTTT
 901 -----+-----+-----+-----+-----+-----+-----+

TGCAACCACACCCGAAAAACATAAAATTGGTAGCCTGGGTTTTCCGCTGCCTGGTGTGGA
 |||||
 TGCAACCACACCCGAAAAACATAAAATTGGTAGCCTGGGTTTTCCGCTGCCTGGTGTGGA
 961 -----+-----+-----+-----+-----+-----+-----+

AGCACTGCTGGTTAATCCGGAACCCTGGAACCGGTTGAAGATCAGGGTGAAGTCTGGT
 |||||
 AGCACTGCTGGTTAATCCGGAACCCTGGAACCGGTTGAAGATCAGGGTGAAGTCTGGT
 1021 -----+-----+-----+-----+-----+-----+-----+

TCGTGGTCCGCAGGTTATGAAATGTTATCCGGATCCTGAAGAAAACAGCAAAGCCTTTGT
 |||||
 TCGTGGTCCGCAGGTTATGAAATGTTATCCGGATCCTGAAGAAAACAGCAAAGCCTTTGT
 1081 -----+-----+-----+-----+-----+-----+-----+

TGAAGTGAATGGTAAAGTTTGGATGCGCACCGGTGATATTCTGGCAAAAGATGAAGAAGG
 |||||
 TGAAGTGAATGGTAAAGTTTGGATGCGCACCGGTGATATTCTGGCAAAAGATGAAGAAGG
 1141 -----+-----+-----+-----+-----+-----+-----+

CTTCTATTATTTCCGTGGTGTTCGTAAACGTATGCTGAAATACAAAGGCTATCCGATCTT
 |||||
 CTTCTATTATTTCCGTGGTGTTCGTAAACGTATGCTGAAATACAAAGGCTATCCGATCTT
 1201 -----+-----+-----+-----+-----+-----+-----+

TCCGAAAGACCTGGAAGTCTGCTGAAACATCCGTGTGTTGCCGAAGCCGAAGTTGT
 |||||
 TCCGAAAGACCTGGAAGTCTGCTGAAACATCCGTGTGTTGCCGAAGCCGAAGTTGT
 1261 -----+-----+-----+-----+-----+-----+-----+

TGGTGAACCGGCAGGCGAAGTTGGTCAGATTCCGGTTGCAAAAGTTAACTGAAAGAAGG
 |||||
 TGGTGAACCGGCAGGCGAAGTTGGTCAGATTCCGGTTGCAAAAGTTAACTGAAAGAAGG
 1321 -----+-----+-----+-----+-----+-----+-----+

TTGTAAAGCCACACCGGAAGAAATCATGGATTTTGTGAATAAACGTGTGGCAGCCTACAA
 |||||
 TTGTAAAGCCACACCGGAAGAAATCATGGATTTTGTGAATAAACGTGTGGCAGCCTACAA
 1381 -----+-----+-----+-----+-----+-----+-----+

1441