

# Template Alignment: infC, E. coli

TTTGCTTCCCAAAGTCTGAGCGGTATTTTTCCGCGTTAGTTCACCCGCTGCGGTGCAATTTCCAAATATTTCTGCCTGGGGTGAACCCGGTGCTAGCATGCTCGGCTTGACGTGGCGCTGTTGCCGGTGCAGTATCTTTTTCTTCCAGTCACTCTGGTTGGTCCCTGACAAGCCGAAAGGCTTCTGCCACTGTGGGGCAGGCTTCCTTTTACC GGAAGGCAGGTCGGATCTTGTACTGGCTCATC  
**template sequence** PP\_2466 infC, P. Putida

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**aligned sequence** infC, E. coli

CCAACCCACGTGACCTTTGGTAGGGGTCACCACCTAGGAGAGGAGGGCCCATGCCGTTATTACTCTTCCCGATGGCAGTCAACGTTTCGTTGATCAGCCGATCCGTAGCCGAAGTAGCCGCTTCCATCGGCGTGGCTGGCCAAAGGCCACCGTTGCCGCAAGTGCACGGCAAGCTGGTGCATGCGTGTGACCTGATCAGCAACGACGCCACCCCTGCAGATCATCACCCCTAAAGATGAAGAGGGA  
**template sequence** PP\_2466 infC, P. Putida

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**aligned sequence** infC, E. coli

CTGGAGATCATTGCTCACTCGTGCGCCACTTGGTTGGCCACCCGCTGAAGCAGCTGTACCCGACCCCAAGATGGTGTATCGGCCGCTCATTGACGAAGGCTTCTATTACGACATCGCTACGAGCCCCCTTCAACCCAGAACATGGCCGCATCGAAAAAGCGCATGATGGAGCTGATTGAAAAAGACTACGACGTGGTCAAGAAAATGACCCCGCGCCGCAAGTCAATCGATGTGTTCAAGGCC  
**template sequence** PP\_2466 infC, P. Putida

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**aligned sequence** infC, E. coli

GTGGCGAAGACTACAAGCTCGTCTGGTCAAGACATGCCGGATGAACAGGCCATGGGCTGTACTACCAAGAAATACGTGACATGTGCGGTGGCCCGCACGTGCCGAACCCGCTTCTCAAGGCATTCAAGCTGACCAAGCTGTCGGCGCTACTGGCTGGCGATGCCAAGAACGAGCAGCTTACGCGCTGTACGGCACGGCTGGGCTGACAAGAAGCAGCTGGCTGCGTACATCCAGCG  
**template sequence** PP\_2466 infC, P. Putida

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**aligned sequence** infC, E. coli

CATCGAAGAAGCCGAAAAACGCGACCACCGCAAGATCGGCAAGCAGCTCGACCTGTTCCACCTGCAGGAAGAAGCCCGGGCATGGTGTTCCTGGCACGCCAACGGCTGGACCGTCTACCAGGTACTCGAGCAGTACATGCGTGGCGTGACGCGGAAAAACGGCTACCAGGAAATCAAGACCCCGCAGGTTGTGACCCGCATCCTGTGGGAGCGTTCGGCCACTGGTCCAACATATGCCGAAAAACATGTTTC

>> thrS >>

template sequence PP\_2466 infC, P. Putida

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aligned sequence infC, E. coli

ACCTTCGTCGGAAGCCGTGACTACGCGTAAACCGATGAACCTGCCGTCGACGTGCAAGTGTCAACAGGGCCCTGAAAAGTACCAGGACCTGCCGCTGCGTCTCCGCGAGTTCGGTGCCTGCCACCGTAACGAGCCGTCGGCGCCCTGCACGGCATCATGCGGTGCGTGGCTTCGTACAGGACGATGCGCACATTTTCGCACCGAAGATCAGGTGAAGAAAGAGCCCGCACTTCATCA

>> thrS >>

template sequence PP\_2466 infC, P. Putida

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aligned sequence infC, E. coli

AGCTGACCCTGGACGTGTACAAGGACTTCGGTTTACGCGACATCGCCATGAAACTGTCCACTGTCGCGCAAGCGTGTGGTTCGGAAGAGCTGTGGGATCGTCTGAAACAGCGCTGGCCGACGCCCTGAACGAATCCGGCTTGAGTGGGAATACCAGCCGGCGAGGGTGCCTTCTACGGCCGAAAAATCGAGTTTACCCTGCGCGACTGCCTCGGCCGTAACGGCAGTGGCGTACCTCGCAT

>> thrS >>

template sequence PP\_2466 infC, P. Putida

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aligned sequence infC, E. coli

CGACCCGAACCTGCCAGAGCGTCTGGATGCCAGCTATATCGCCGAAGATAACAGCCGAGTTCGCCCGGTGATGCTGCACCGGCCATCCTCGGTTGTTGTCGAGCGTTCATCGGCATGCTGATCGAGCACTACGCGGGCGTGTCCCGCGTGGCTGGCCCAACTCAGGCGGTGATCATGAATATCACCGACAAGCAGGCCGATTCGCCCTCGAGGTTGAGAAATCTCTGAACGGAAGCGGTTTCGT

>> thrS >>

template sequence PP\_2466 infC, P. Putida

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aligned sequence infC, E. coli

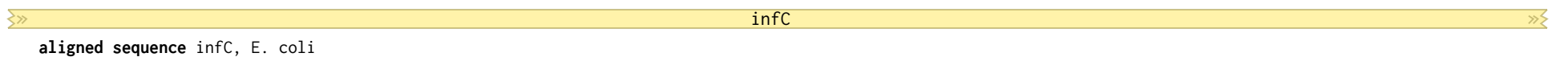
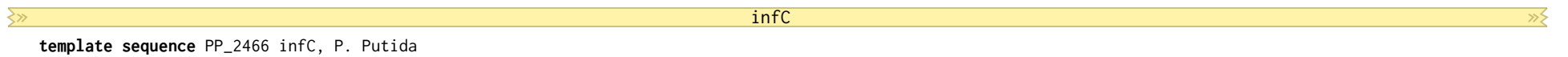
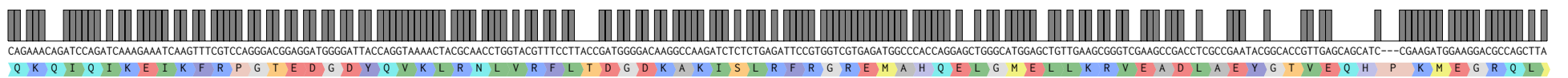
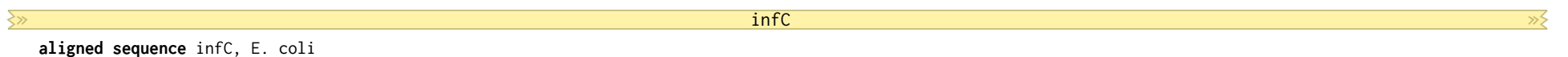
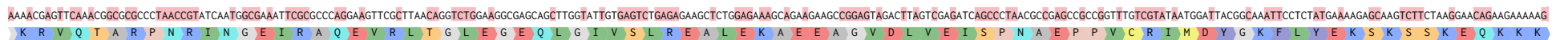
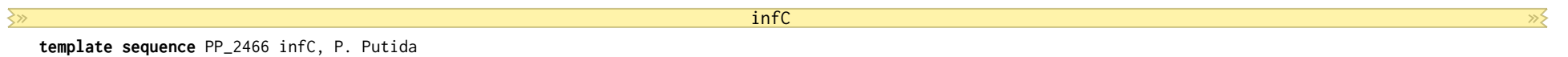
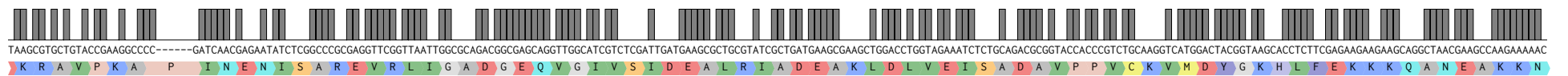
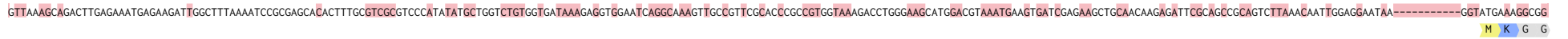
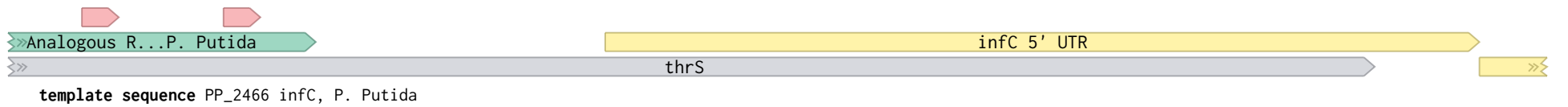
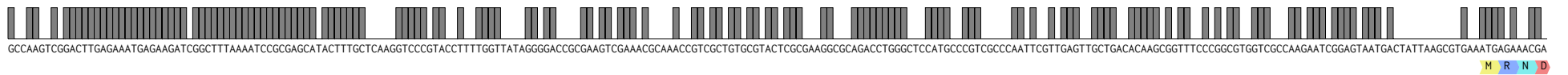


Analogou...Putida >>

ATGAATATTACCGATTTCACAGTCTGAATACGTTAACGAATTGACGCAAAAATATCAAATGCCGGCATTTCGT

P12 Promoter >>

thrS >>





TGATGGTCATCGCCCCAAGAAAAGAAAGTAATCTCCGGGCACGGCAGGCTGATGATTATGTGTAATTTATCGAATGCGGAGTTCCAACATGCCAAAATGAAAACCAAGAGCGGTGCTGCGAAGCGTTCCTGAAGACAGCTTCGGGCTTCAAGCAACAGCAGGTTTCAAGAGCCACATCCTGACCAAAATGTCGACCAAGCGTAAGCGTCAACTGCGCGGTGCCAGTTGTCGACCCGTCGGA  
**M M V I A P K K K K \***

>> **infC**

**template sequence** PP\_2466 infC, P. Putida

TCATGGTCCCGCTCCTAAGAAGAAACAGTaa  
**I M V L A P K K K Q \***

>> **infC**

**aligned sequence** infC, E. coli

CGTCGAAAAGTCGAGCGCATGCTGCGCGTTCGTTAATTCGGTTAAGATAGAGGAAGTTACTCATGGCTCGTGTAAAGCGCGCGTTATCGCTCGTAAGCGTCACAAAAAATCTGAAACTGGCTAAAGGTTACTACGGTGACCGTTGCGCGTATTCCGTTGAGCCAAGCAAGCGGTATCAAGGACAGCCAAATACGCTACCGCGACCGTCGCCAGAAGAACGTCAGTCCGCGCACTGTGGATC  
**template sequence** PP\_2466 infC, P. Putida

**aligned sequence** infC, E. coli

GCTCGTATCAACGCCGTGCCCGCACCAACGG  
**template sequence** PP\_2466 infC, P. Putida

**aligned sequence** infC, E. coli