

Salmonella enterica* Typhimurium *fliC

ATGGCACAAAGTCATT**AAT**ACAAACAGCCTGTCGCTGTTGACCCAGAATAACCTGAACAAATCCCAGTCCG
CTCTGGGCACCGCTATCGAGCGTCTGTCTTCCGGTCTGCGTATC**AAC**AGCGCGAAAGACGATGCGGCAGG
TCAGGCGATTGCTAACCGTTTTTACCGCGAACATCAAAGGTCTGACT**CAG**GCTTCCCGTAACGCTAACGAC
GGTATCTCCATTGCGCAGACCACTGAAGGCGCGCTGAACGAAATCAACAACCTGCAGCGTGTGCGTG
AACTGGCGGTT**CAG**TCTGCTAACAGCACCAACTCCCAGTCTGACCTCGACTCCATCCAGGCTGAAATCAC
CCAGCGCCTGAACGAAATCGACCGTGTATCCGGCCAGACTCAGTTCAACGGCGTGAAAGTCCTGGCGCAG
GACAACACCCCTGACCATCCAGGTTGGTGCCAACGACGGTGAAACTATCGATATCGATCTGAAGCAGATCA
ACTCTCAGACCCCTGGGTCTGGATACGCTGAATGTGCAACAAAAATATAAGGTCAGCGATACGGCTGCAAC
TGTTACAGGATATGCCGATACTACGATTGCTTTAGACAATAGTACTTTTAAAGCCTCGGCTACTGGTCTT
GGTGGTACTGACCAGAAAATTGATGGCGATTTAAAATTTGATGATACGACTGGAAAATATTACGCCAAAG
TTACCGTTACGGGGGGAACCTGGTAAAGATGGCTATTATGAAGTTTCCGTTGATAAGACGAACGGTGAGGT
GACTCTTGCTGGCGGTGCGACTTCCCCGCTTACAGGTGGACTACCTGCGACAGCAACTGAGGATGTGAAA
AATGTACAAGTTGCAAATGCTGATTTGACAGAGGCTAAAGCCGCATTGACAGCAGCAGGTGTTACCGGCA
CAGCATCTGTTGTTAAGATGTCTTATACTGATAATAACGGTAAAACTATTGATGGTGGTTTAGCAGTTAA
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ACTGCAGATGACGGTACATCCAAAACCTGCACTAAACAACTGGGTGGCGCAGACGGCAAACCGAAGTTG
TTTCTATTGGTGGTAAAACCTTACGCTGCAAGTAAAGCCGAAGGTCACAACTTTAAAGCACAGCCTGATCT
GGCGGAAGCGGCTGCTACAACCACCGAAAACCCGCTGCAGAAAATTGATGCTGCTTTGGCACAGGTTGAC
ACGTTACGTTCTGACCTGGGTGCGGTACAG**AAC**CGTTTCAACTCCGCTATTACCAACCTGGGCAACACCG
TAAACAACCTGACTTCTGCCCCGTAGCCGTATC**GAA**GATTCCGACTACGCGACCGAAGTTTCCAACATGTC
TCGCGCGCAGATTCTGCAGCAGGCCGGTACCTCCGTTCTGGCGCAGGCGAACCAGGTTCCGCAAAACGTC
CTCTCTTTACTGCGT

MAQVIN**T**NSLSLLTQNNLNKSQSALGTAIERLSSGLRI**N**SAKDDAAGQAIANRFTANIKGLT**Q**ASRNAND
GISIAQTTEGALNEINNNLQRVRELAV**Q**SANSTNSQSDLDSIQAEITQRLNEIDRVSGQTQFNGVKVLAQ
DNTLTIQVGANDGETIDIDLKQINSQTLGLDTLNVQKQKVSDDAATVTGYADTTIALDNSTFKASATGL
GGTDQKIDGDLKFDDTTGKYAKVTVTGGTGKDGYYEVSVDKTNGEVTLAGGATSPLTGGLPATATEDVK
NVQVANADLTEAKAALTAAGVTGTASVVKMSYTDNNGKTIDGGLAVKVGDDYYSATQNKDGSISINTTKY
TADDGTSKTALNKLGGADGKTEVVSIGGKTYAASKAEGHNFKAQPDLEAAATTTENPLQKIDAALAQVD
TLRSDLGAV**Q**NRFNSAITNLGNTVNNLTSARSRI**E**SDYATEVSNMSRAQILQQAGTSVLAQANQVPQNV
LSLLR

N5C (AAT→TGT)

N38C (AAC→TGC)

Q62C (CAG→TGT)

Q97C (CAG→TGC)

N430C (AAC→TGT)

E454C (GAA→TGC)