

Supporting Information

Table S1. Mutations with gene annotation in B71.

| NCBI number | Gene | Position | Description | Amino acid change |
|----------------|-------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------|
| WP_009721770.1 | Disulfide bond formation protein B | Downstream | 540552: A→C 540558: G→A | |
| WP_009723049.1 | FAD-binding oxidoreductase | Exonic | 322953: G→T 322956: T→C | 185: Gly→Pro 186: Gly→Ser |
| WP_009723961.1 | Methyl-accepting chemotaxis protein | Upstream | 264288: C→G 264289: C→A | |
| WP_009724034.1 | BCCT family transporter, partial | Exonic | 23041: T→G 23045: C→A | 4: Gly→Trp 5: Glu→Ala |
| WP_009724067.1 | Acetoacetyl-CoA reductase | Exonic | 59629: G→C 59636: G→T | 26: Ala→Ala 29: Gly→Cys |
| WP_009724268.1 | RHS repeat-associated core domain-containing protein | Exonic | 272181: A→C | 18: Met→Arg |
| WP_009724802.1 | YadA-like family protein, partial | Downstream | 52363: G→C 52366: G→T 52375: C→A 52376: C→A 52378: G→T 52382: A→C 52405: G→T | |
| WP_009724919.1 | 23S rRNA (cytidine(2498)-2'-O)-methyltransferase RlmM | Upstream | 57: A→G | |
| WP_009725047.1 | RHS repeat-associated core domain-containing protein | Exonic | 28820: G→C | 150: His→Gln |
| WP_143759813.1 | Filamentous hemagglutinin N-terminal domain-containing protein | Exonic | 7973: C→T | 1128Ala→Val |
| WP_009725065.1 | Hemolysin, partial | Exonic | 464: G→T | 127: Ala→Asp |
| WP_009725067.1 | Adhesin/hemolysin, partial | Exonic | 47: G→A | 175: Pro→Leu |
| WP_009723841.1 | 5'-nucleotidase C-terminal Domain-containing protein | Exonic | 142078: 118 bp In ^a | |
| WP_009723961.1 | Methyl-accepting chemotaxis protein | Upstream | 264294: 44 bp In ^a | |
| WP_009724034.1 | BCCT family transporter, partial | Exonic | 23050: 30 bp In ^a | |
| WP_050801109.1 | Cell envelope integrity protein TolA | Exonic | 175429: 30 bp In ^a | |
| WP_009724795.1 | YadA-like family protein | Exonic | 35412: 158 bp DI ^b | |
| WP_083817087.1 | Histidinol-phosphate transaminase | Downstream | 177552: C DI ^b | |
| WP_143759813.1 | Filamentous hemagglutinin N-terminal domain-containing protein, partial | Exonic | 9072: GCC DI ^b | 1494: Ala→no |
| WP_009722103.1 | RHS repeat-associated core domain-containing protein | Exonic | 919430:G→T | 3: Gln→Thr |
| WP_009722684.1 | Indole-3-glycerol phosphate synthase TrpC | Upstream | 616205:G→A 616358:A→G 616372:G→A | |
| WP_186004630.1 | Malate dehydrogenase | Exonic | 546801: C→T | 14: Val→Ala |
| WP_009723822.1 | PAAR domain-containing protein, partial | Exonic | 127706:T→G 127708:G→A | 3: Leu→Phe 2: Asp→Gly |
| WP_009724074.1 | SOS response-associated peptidase | Upstream | 71786:G→C | |
| WP_009724730.1 | Type VI secretion system tip protein VgrG | Exonic | 196008:C→T | 485: Lys→Glu |
| WP_009724776.1 | Pyruvate dehydrogenase (acetyl-transferring), E1, homodimeric type | Exonic | 3234:G→A 3237:T→C | 130: Gly→Gly 129: Lys→Lys |
| WP_009724787.1 | YadA-like family protein, partial | Exonic | 15998:C→A 16006:G→A 16172:G→A 16283:A→G | 125: Ser→Ser 88: Ser→Ser 33: Val→Lys 30: Ser→Ser |
| WP_009724794.1 | OmpA family protein | Upstream | 19715:C→T 19716:T→G 19728:G→A 19731:A→G 19732:G→A 20622:A→G 21072:G→A | |
| WP_009724795.1 | YadA-like family protein | Upstream | 35601:G→A 35841:A→G | |

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|----------------|-----------------------------------------|------------|-----------------|--------------|
| | | | 35877:A→G | |
| | | | 35898:A→G | |
| | | | 35933:C→T | |
| | | | 35937:C→G | |
| | | | 35939:C→T | |
| | | | 35944:G→C | |
| | | | 35976:A→T | |
| WP_009724798.1 | Hypothetical protein | Upstream | 42545:T→C | |
| WP_009724802.1 | YadA-like family protein, partial | Downstream | 51723:G→A | |
| | | | 51726:A→G | |
| | | | 51729:T→C | |
| | | | 51735:C→A | |
| | | | 51741:G→A | |
| | | | 51744:G→A | |
| | | | 59745:G→T | |
| | | | 59973:G→A | |
| | | | 59994:G→A | |
| WP_083817087.1 | Histidinol-phosphate transaminase | Downstream | 177724:G→T | |
| WP_009724919.1 | | Upstream | 55:C→A | |
| | | | 59:G→A | |
| | | | 65:T→C | |
| | | | 66:T→A | |
| | | | 230:A→G | |
| WP_143759810.1 | 23S rRNA | Exonic | 26667:G→A | 119: Arg→Arg |
| | (cytidine(2498)-2'-O)-methyltransferase | | 26880:C→G | 190: Tyr→Tyr |
| | RlmM | | | |
| WP_143759810.1 | RHS repeat-associated core | Downstream | 28931:C→G | |
| | domain-containing protein | | 28933:C→T | |
| WP_009725065.1 | Hemolysin, partial | Exonic | 582:C→A | 85: Ala→Thr |
| | | | 591:T→C | 88: Asp→Tyr |
| WP_009725067.1 | Adhesin/hemolysin, partial | Exonic | 214:T→C 371:A→G | 66: Ala→Val |
| | | | | 119: Arg→Arg |

^a In, insertion.

^b DI, deletion