

A. ECL1^{FtsX}

Lla_I11403	--ILNTSKISNGIENNVRIVAYMKLDVHDQETKIQDPKDNKKTINNPDLKIYDSIKKVP	58
Spy_MGAS10394	---NIQRVASGVENNVIHINTYLQVDSTDAAKVIQNTAG--EPVNNDNYHSVYDKIAQIK	54
Spn_D39	SVIFNTAKLATDIENNVRVVYIRKDVEDNSQTIEKE-G--QTVTNNDYHKVYDSLKNMS	57
Smi_B6	-----KLATDIENNVRVMVYIRKDVAQNSETIEKE-G--QTVTNNDYHKVYNALKGMS	50
Sth_LMD-9	-VILNTQKLASDIEKNIQNVYLDPSTDASETVKELSG--QIVANKDYHKIYNALTKIK	57
Efa_TX1330	----NATKLAQDIEGNVVDVSFVFDIGTKD-----EEMKKLEKELNDLD	39
Ban_Ames	-AIMNMNHFATKVEQDVIRVHIDPAAKEADQ-----KKLEDDMSKIA	42
Bsu_168	--MLNLNNMATTNAEKQVEIKVLIDLTAQKAQ-----DKLQNDIKELK	41
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Lla_I11403	NVKTVEFSSKEAQLKELTKALGNWNWLFG--DANPLYDAYIVEADKPANVKSUTSKISK	116
Spy_MGAS10394	GVKKITFSSKDEQLKKLQETLGDVWNMYDQ--DTNPLQDIYLIETQTPKQVKAITKKIRT	112
Spn_D39	TVKSVTFSSEEQYEKLTEIMGDNWKIFEG--DANPLYDAYIVEANTPNDVKTIAEDAKK	115
Smi_B6	TVKSVTFSSEEQYEKLTEIMGDNWKIFEG--DANPLYDAYIVDTNTPSDVKTVAAEAKK	108
Sth_LMD-9	GVDKVTFSSEEQKKQLIETMGSSFETATG--DANPLSDVYIVQTKSPDDVSRVAKEAKA	115
Efa_TX1330	HVKKVEFSSKEQELKKIQNEMGDSWKLFEQDNPLKNVFVVKAKEPTDTATIAKKIEK	97
Ban_Ames	KVESIKYSSSEEELKRLIKSLGDSGKTFELFEQDNPLKNVFVVKAKEPTDTATIAKKIEK	102
Bsu_168	GIQSVTFSSEEKELDQLVDSFGSGKSLSLTMKDQENPLNDAFVVKTTDPHDTPNVAKKIEK	101
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Lla_I11403	LSGIEKATYGGANTAKLFQIAQGIRTWGT	145
Spy_MGAS10394	IEGVAAADYGGINSDFKFKS-----	133
Spn_D39	IEGVSEVQDGGGANTERLFLKLASFIRV---	141
Smi_B6	IEGVSEVQDGGGANTERLFLKLAS-----	130
Sth_LMD-9	IQGVDNANFGGSDEIILMATMKRVQFWGI	144
Efa_TX1330	LKNVSRSDYGGASSDRIFQIAGAVRTWG-	125
Ban_Ames	MQFVSNVQYKGQVERLFDVTKTGRNIGI	131
Bsu_168	MDHVYKVTYGKEEVSRFLKVVGVSRN---	127
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- Changes (A177V, F179S, W183L, and S264L) that suppress either *pcsB*^{L78S}
L219P or *pcsB*^{A160P} Ts mutation

- Changes (V266A and Q268E) that are allele specific and only suppress the *pcsB*^{L78S L219P} Ts mutation

● *ftsX*^{I150K} Ts mutation

— Consecutive identical amino acids

B. ECL2^{FtsX}

Spy_MGAS10394	---YDLVYKHFAQELQRNNLMSMYPLDP-	24
Spn_D39	FIVYQIVYQSVNKSLSVGQNLMSMISPDF-	28
Smi_B6	---YKMWYQSVNKSLSVGQNLMSMISPEV-	24
Efa_TX1330	-----QLINPSLLRSHYSЛИHPE-	19
Lla_I11403	-----VSLTPSLQSQKLMFAPKE-	19
Ban_Ames	-VTYNSLQGMFNEKLGGTIFELLPPYSP-	26
Bsu_168	-----GWVVPKVQGSFVSSLPPYNP-	19
Sth_LMD-9	-----YSTLNPDFVKGGISMYDAD--	19
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