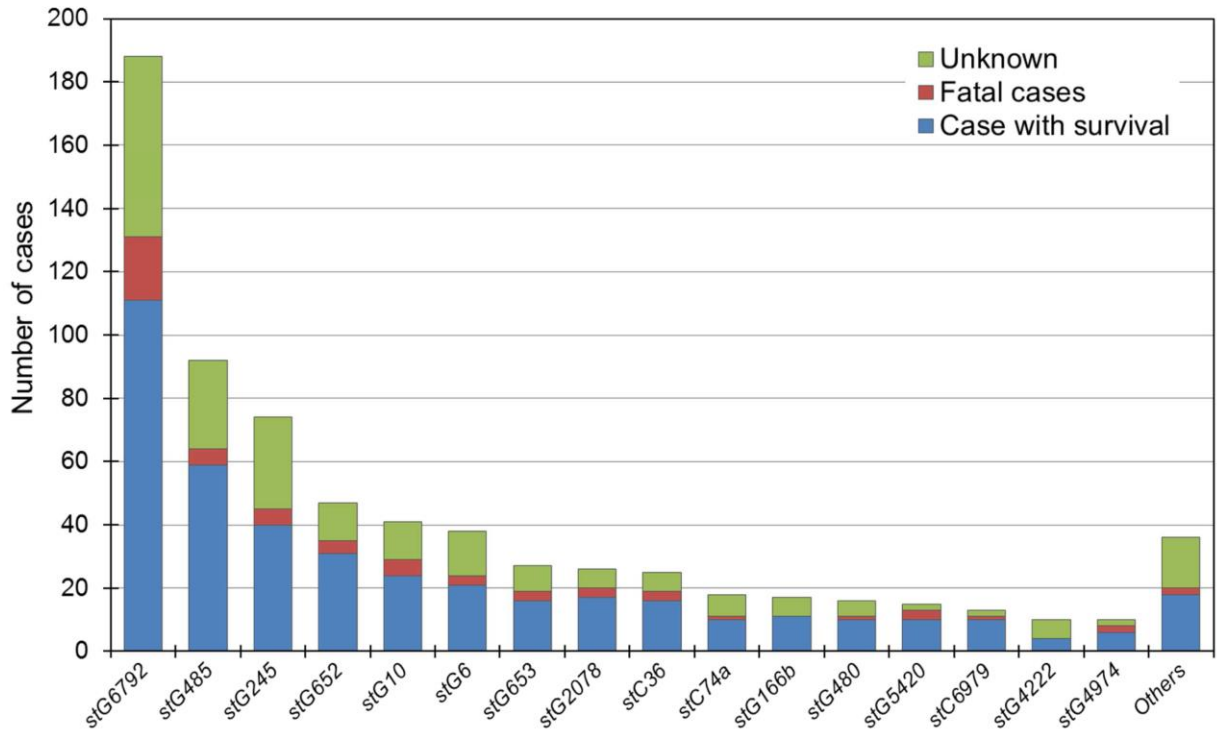


Molecular Characterization of Invasive *Streptococcus dysgalactiae* subsp. *equisimilis*, Japan

Technical Appendix Table. Susceptibilities to 8 oral and 7 parenteral antimicrobial agents among 693 invasive *Streptococcus dysgalactiae* subsp. *equisimilis*, strains

Antimicrobial agent	MIC ₅₀ (μg/mL)	MIC ₉₀ (μg/mL)	MIC range (μg/mL)
Oral			
Penicillin	0.016	0.016	0.016–0.063
Ampicillin	0.031	0.031	0.016–0.063
Amoxicillin	0.031	0.031	0.016–0.063
Cefdinir	0.031	0.031	0.016-0.125
Cefditoren	0.016	0.016	0.008-0.031
Tebipenem	0.004	0.004	0.002-0.008
Clarithromycin	0.125	64	0.016-64
Levofloxacin	1	2	0.5-32
Parenteral			
Cefazolin	0.125	0.125	0.063-0.25
Cefotiam	0.125	0.125	0.063-0.25
Cefotaxime	0.016	0.031	0.016-0.031
Meropenem	0.031	0.063	0.031-0.125
Panipenem	0.008	0.016	0.008-0.016
Vancomycin	0.5	0.5	0.25-1
Clindamycin	0.125	64	0.063-64

MIC, Minimum inhibitory concentration



Technical Appendix Figure 1. Relationship between outcomes of patients with invasive *Streptococcus dysgalatiae* subsp. *equisimilis* infection and *emm* type of the isolate, Japan, April 2010–March 2013. No significant correlation was found ($p = 0.830$).

A

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emmG2.0      GGGTTAGCAAGCCAGACAGAAGTTAAGGCGGATCATTTCG----- 39
stG245.0     GGGTTAGCAAGCCAGACAGAAGTTAAGGCGGATCATTTCGCTAGTAGAAAACGCTAGAAAT 60

emmG2.0      AAAGTACTAAATAATAACTATATACCGTTTCAAAGGTGGCATTTCGACTTATATTGAAAAA 99
stG245.0     GAAGTACTAAATAATAACTATATACCGCTTAAAAGGTGGTATTCGACTTATATTGAAAAA 120

emmG2.0      GAACGTCTTCGTAAGGAAAATGAACAACTTAACGAACTAGTTCGTAAAGAAGTTGCAGAA 159
stG245.0     GAACGTCTTCGTAAGGAAAATGAACAACTTAACGAACTAGTTCGTAAAGAAGTTGCAGAA 180
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B

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emmG3.0      GGGTTAGCAAGCCAGACAGAAGTTAAGGCTGAGGTTAATCACCCCTAACTATACCGCTGCT 60
stG3251.0    GGGTTAGCAAGCCAGACAGAAGTTAAGGC---GGCTGAGCATCCTAGATATGTCGCTGCT 57
stG485.0     GGGTTAGCAAGCCAGACAGAAGTTAAGGCTGAGGTTAATCACCCCTAACTATACCGCTGCT 60

emmG3.0      AGAAAAGACCTTAGCGATAAAA-ATCAAAAAAT-----TCAAG-AAGAGTTAGAAA 109
stG3251.0    AGA-----GATAAAA-ATCAAAAAAT-----TCAAG-AAGAGTTAGAAA 94
stG485.0     AGA-----AATGAAGTACTAAGAGATCTGTATGTATCGGGTAATATTTGGGAG 108

emmG3.0      --ACAAAAAGAAAGACTATCAGCTTGCTGTAGATGGACATGCTAATACAGTAAAACGTTA 167
stG3251.0    --ACAAAAAGAAAGACTATCAGCTTGCTGTAGATGGACATGCTAATACAGTAAAACGTTA 152
stG485.0     TGGCAAAATCAAAGA--ATTAAAGAACTACAGT-----CACTTTTA-GGTAAAAC----- 155
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Technical Appendix Figure 2. Type-specific regions in 2 novel *emm* types of *emmG2.0* and *emmG3.0*

identified in *Streptococcus dysgalatiae* subsp. *equisimilis* strains, Japan, April 2010–March 2013. These

alignments were generated with CLUSTAL W v. 1.83 (<http://clustalw.ddbj.nig.ac.jp/>).