

Table S1 Overview of genotypic and phenotypic characteristics of the SDSE - isolates

Isolate identity	Clinical manifestation	<i>emm</i> -type	MLST-profile	FCT ₁ variant	Fibronectin binding	Collagen I binding	Collagen II binding	Stainless steel binding
T8	OAI	<i>stG6.4</i>	335	FCT-6	33 %	9 %	5 %	2,3
T55	OAI	<i>stG6.3</i>	12	FCT-6	23 %	5 %	3 %	2,0
T92	OAI	<i>stG485.0</i>	29	FCT-6	51 %	0 %	0 %	3,1
T108	Pneumonia	<i>stG485.0</i>	29	FCT-6	35 %	0 %	0 %	2,0
T113	SSTI	<i>stG10.0</i>	15	FCT-6	5 %	73 %	74 %	2,8
T114	SSTI	<i>stG643.0</i>	12	FCT-6	9 %	5 %	4 %	3,3
T148	OAI	<i>stG643.0</i>	73	FCT-6	23 %	5 %	2 %	2,9
T179	Pneumonia	<i>stG485.0</i>	69	FCT-6	48 %	40 %	16 %	2,8
T216	SSTI	<i>stg480.0</i>	327	FCT-6	42 %	19 %	13 %	2,0
T221	OAI	<i>stg485.0</i>	55	FCT-6	77 %	2 %	1 %	2,3
T256	SSTI	<i>stg485.0</i>	29	FCT-6	37 %	1 %	0 %	2,4
T261	SSTI	<i>stg6.0</i>	63	FCT-6	19 %	0 %	1 %	4,9
T274	Pneumonia	<i>stG62647.0</i>	20	FCT-6	77 %	1 %	1 %	2,2
T283	SSTI	<i>stg6.0</i>	63	FCT-6	77 %	2 %	1 %	4,3
T297	OAI	<i>stg643.1</i>	328	FCT-6	28 %	27 %	27 %	2,7
T299	SSTI	<i>stc74a.0</i>	29	FCT-6	71 %	3 %	0 %	2,0
T311	SSTI	<i>stg485.0</i>	324	FCT-6	31 %	5 %	0 %	2,2
T316	SSTI	<i>stg6.1</i>	25	FCT-6	7 %	25 %	11 %	2,0
T329	SSTI	<i>stg652.0</i>	329	FCT-6	64 %	1 %	0 %	2,2
T344	SSTI	<i>stg643.0</i>	12	FCT-6	27 %	39 %	21 %	2,0
T376	NSTI	<i>stg485.0</i>	325	FCT-6	19 %	4 %	1 %	2,9
T396	OAI	<i>stG485.0</i>	29	FCT-6	52 %	0 %	0 %	2,7
T399	SSTI	<i>stg166b.0</i>	29	FCT-6	44 %	2 %	2 %	2,1
T404	OAI	<i>stG120.0</i>	323	FCT-1	22 %	82 %	68 %	2,4
T412	OAI	<i>stC36.0</i>	49	FCT-6	24 %	0 %	0 %	2,9
T413	OAI	<i>stg5420.0</i>	25	FCT-6	21 %	49 %	75 %	2,3
T420	OAI	<i>stg485.0</i>	128	FCT-6	42 %	30 %	13 %	2,3
T429	OAI	<i>stg643.0</i>	73	FCT-6	28 %	11 %	3 %	3,2
T437	OAI	<i>stG62647.0</i>	20	FCT-6	70 %	2 %	0 %	2,3
T439	Pneumonia	<i>stg480.0</i>	8	FCT-6	35 %	5 %	1 %	2,3
T441	OAI	<i>stg643.0</i>	12	FCT-6	5 %	10 %	6 %	3,5
T446	SSTI	<i>stg643.0</i>	331	FCT-6	11 %	5 %	2 %	3,1
T450	OAI	<i>stc74a.0</i>	29	FCT-6	48 %	22 %	13 %	2,3
T466	OAI	<i>stg480.0</i>	8	FCT-6	45 %	5 %	2 %	2,2
T469	OAI	<i>stG643.0</i>	12	FCT-6	26 %	8 %	4 %	3,2
T483	OAI	<i>stG485.3</i>	332	FCT-6	75 %	1 %	1 %	2,9
T488	SSTI	<i>stc74a.0</i>	29	FCT-6	35 %	1 %	1 %	3,2
T505	SSTI	<i>stc74a.0</i>	17	FCT-6	31 %	0 %	0 %	2,8
T512	OAI	<i>stg485.0</i>	128	FCT-6	37 %	9 %	5 %	2,1
T518	OAI	<i>stg485.0</i>	17	FCT-6	23 %	2 %	1 %	3,4
T519	OAI	<i>stG480.0</i>	8	FCT-6	52 %	39 %	29 %	2,1
T528	SSTI	<i>stg643.0</i>	12	FCT-6	22 %	9 %	3 %	2,7
T532	SSTI	<i>stg166b.0</i>	29	FCT-6	58 %	1 %	0 %	3,2
T539	OAI	<i>stg166b.0</i>	29	FCT-6	56 %	5 %	0 %	3,8
T557	OAI	<i>stG10.0</i>	333	FCT-6	9 %	51 %	51 %	3,4
T560	OAI	<i>stG62647.0</i>	20	FCT-6	59 %	1 %	0 %	2,3

Table S1 - continued

Isolate identity	Clinical manifestation	<i>emm</i> -type	MLST-profile	FCT ₁ variant	Fibronectin binding	Collagen I binding	Collagen II binding	Stainless steel binding
T562	OAI	<i>stG62647.0</i>	20	FCT-6	55 %	2 %	0 %	2,3
T570	SSTI	<i>stg652.0</i>	114	FCT-5	4 %	0 %	1 %	4,8
T577	OAI	<i>stG6.0</i>	63	FCT-6	21 %	2 %	1 %	4,1
T578	SSTI	<i>stG485.0</i>	326	FCT-6	24 %	0 %	0 %	4,4
T579	OAI	<i>stG6.0</i>	334	FCT-6	10 %	1 %	1 %	4,4
T596	OAI	<i>stc74a.0</i>	29	FCT-6	54 %	0 %	0 %	3,1
T599	OAI	<i>stG62647.0</i>	20	FCT-6	80 %	0 %	0 %	2,2

SDSE, *Streptococcus dysgalactiae* subspecies *equisimilis*; OAI, osteoarticular infection; SSTI, skin and soft-tissue infection; NSTI, necrotizing soft-tissue infection; MLST, Multilocus sequence typing; FCT, fibronectin, collagen and T-antigen-region.

FCT₁ variant refers to the nine structurally different FCT-regions characterized in *Streptococcus pyogenes* (1). The data for Fibronectin and Collagen type I binding represents the amount of adherent bacterial cells as a percentage of the original inoculum. Stainless steel binding is presented as the mean binding value divided by the mean value obtained from the control wells. Novel MLST-profiles are marked in red.

References

1. Falugi F, Zingaretti C, Pinto V, Mariani M, Amodeo L, Manetti AG, Capo S, Musser JM, Orefici G, Margarit I, Telford JL, Grandi G, Mora M. 2008. Sequence variation in group A *Streptococcus pili* and association of pilus backbone types with lancefield T serotypes. *J Infect Dis* 198:1834-41. doi:10.1086/593176.