

1 **Supplemental Table S1: Comprehensive Patient Clinical information with bacterial cultural information**

Patient	Age	Gender	BMI	16S rRNA and spa genotyping ^a	<i>S. aureus</i> Status	Other Bacteria	Wound Healing Status
DFU-001	36	M	39.3	No	Negative	CONS ^b	Not Healed
DFU-002	60	M	23.1	No	Negative	Negative	Healed
DFU-003	65	M	26.7	No	Negative	<i>E. coli</i> , Group B Streptococcus, <i>Pasturella canis</i> , <i>Eikenella corrodens</i>	Healed
DFU-004	72	M	31	Yes	Positive	Negative	Not Healed (amputated)
DFU-005	77	F	39	Yes	Positive	Group B Streptococcus	Healed (improved then deceased)
DFU-006	64	F	41	Yes	Positive	<i>Actinomyces israelii</i>	Not Healed (recurred)
DFU-007	60	M	48.7	No	Negative	<i>Enterobacter aerogenes</i> , <i>Actinomyces israelii</i> , Group B Streptococcus, <i>Enterococcus faecalis</i> , <i>Bacterioides fragilis</i>	Healed (passed away shortly after enrollment)
DFU-008	63	F	28	Yes	Positive	CONS ^b , <i>Corynebacterium</i> , <i>Oligella urethalis</i>	Healed
DFU-009	53	M	25	No	Negative	<i>Proteus mirabilis</i> , CONS ^b , <i>Corynebacterium</i> , <i>Providencia rettgeri</i>	Not Healed
DFU-010	74	M	25	Yes	Positive	Negative	Healed
DFU-011	44	M	36	No	Negative	Group B Streptococcus	Not Healed
DFU-012	46	F	39	No	Negative	<i>Pseudomonas aeruginosa</i> , CONS	Not Healed
DFU-013	68	M	34	No	Negative	Group B Streptococcus, <i>Proteus mirabilis</i> , <i>Prevotella</i>	Not Healed
DFU-014	57	M	29	Yes	Positive	<i>Proteus mirabilis</i>	Healed
DFU-015	53	F	30.9	No	Negative	CONS	Not Healed
DFU-016	64	M	23.6	No	Negative	CONS, <i>Raoutella</i>	Healed
DFU-017	49	M	40.6	No	Negative	<i>Providencia rettgeri</i> , <i>Pseudomonas aeruginosa</i> , <i>Enterococcus</i> species, Group C Streptococcus	Healed
DFU-018	68	M	33.8	Yes	Positive	CONS ^b	Healed
DFU-019	63	M	32.7	Yes	Positive	<i>Proteus mirabilis</i> , Group B Streptococcus	Wound persisted until 12 weeks and eventually healed
DFU-020	59	M	31.2	Yes	Positive	CONS ^b , Diphtheroids	Not Healed (BKA)
DFU-021	59	M	27.1	Yes	Positive	<i>Enterococcus faecalis</i>	Not Healed (BKA)
DFU-022	33	M	32.4	No	Negative	Group B Streptococcus	Not Healed
DFU-023	58	M	32.1	No	Negative	<i>Staphylococcus lugdunensis</i>	Healed
DFU-024	35	M	34.7	No	Negative	<i>Saccharomyces cerevisiae</i> , Group B Streptococcus	Healed
DFU-025	59	M	25.9	Yes	Negative	<i>Pseudomonas aeruginosa</i> , Group B Streptococcus, CONS	Healed
DFU-026	68	M	35	Yes	Positive	Negative	Not Healed

2 ^a Patient determined as *S. aureus* positive based on either culture method and or PCR method

3 ^b Coagulase negative Staphylococci