

Sample	Sample type	Suspected type of infection	Sanger 16S results	Identification by Sanger 16S	SMg results	Identification by SMg (DNA library)	Number of DNA reads (relative abundance %*)	Bacterial load	Detection of RNA sequences of the bacteria detected by SMg (reads/relative abundance %)	Others bacterial species identified by SMg** (DNA reads/relative abundance %)	Total reads (DNA)	Total human reads (DNA)	Total bacterial reads (DNA)	Total reads (RNA)	Total human reads (RNA)	Total bacterial reads (RNA)
1	Abscess (psoas)	Bone and joint	Positive	<i>Staphylococcus aureus</i>	Positive	<i>Staphylococcus aureus</i>	53 (88.3)	Low	Yes (30/1.5)	<i>Klebsiella pneumoniae</i> (3/5.0)	49,051,690	34,087,606	60	26,863,460	14,038,123	2,068
2	Biopsy (tissue: carotid)	Cardiovascular	Positive	α-haemolytic <i>Streptococcus</i>	Positive	<i>Streptococcus pneumoniae</i>	47 (58.8)	Low	Yes (2/10)	<i>Cutibacterium acnes</i> (14/17.5), <i>Ralstonia solanacearum</i> (8/10.0), <i>Staphylococcus aureus</i> (5/6.3)	43,878,464	29,729,838	80	116,560	59,119	20
3	Biopsy (tissue: mitral valve)	Cardiovascular	Positive	<i>Streptococcus gordonii</i>	Positive	<i>Streptococcus gordonii</i>	21,853 (99.2)	Intermediate	Yes (57,626/34.8)	X	37,587,780	24,557,004	22,033	49,574,336	32,562,501	165,797
4	Abscess (liver)	Intra-abdominal	Negative	X	Positive	<i>Klebsiella pneumoniae</i>	147 (76.6)	Low	Yes (40/1.7)	<i>Ralstonia solanacearum</i> (18/9.4), <i>Staphylococcus aureus</i> (9/4.7), <i>Cutibacterium acnes</i> (6/3.1), <i>Streptococcus salivarius</i> (4/2.1)	24,804,076	11,906,531	192	28,540,204	15,148,646	23,574
5	Biopsy (tissue: elbow)	Bone and joint	Uninterpretable	X	Positive	<i>Mycobacterium tuberculosis</i>	10 (2.1)	Low	No	<i>Cutibacterium acnes</i> (373/79.5), <i>Rhodococcus rhodochrous</i> (12/2.6), <i>Escherichia coli</i> (6/1.3), <i>Pseudomonas putida</i> group (6/1.3), <i>Bifidobacterium longum</i> (6/1.3), <i>Propionibacterium</i> sp (5/1.1)	86,974,428	45,885,017	469	1,730	70	0
6	Biopsy (tissue: thrombus)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (4/80.0)	30,429,258	17,110,896	5	13,993,974	9,113,432	2,925
7	Joint fluid (knee)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Staphylococcus aureus</i> (6/60.0)	34,015,014	19,155,805	10	15,271,164	7,672,062	29,906
8	Pleural fluid	Pulmonary	Negative	X	Negative	X	X	X	X	<i>Escherichia coli</i> (11/12.2), <i>Salmonella enterica</i> (10/11.1), <i>Pseudomonas aeruginosa</i> group (10/11.1), <i>Cutibacterium acnes</i> (8/8.9), <i>Staphylococcus aureus</i> (8/8.9), <i>Enterococcus faecalis</i> (6/6.7), <i>Pseudomonas aeruginosa</i> (6/6.7), <i>Bacillus subtilis</i> (4/4.4), <i>Listeria monocytogenes</i> (4/4.4)	37,090,716	21,023,047	90	22,300,834	12,362,379	20,877
9	Abscess	Bone and joint	Positive	<i>Cutibacterium acnes</i>	Positive	<i>Cutibacterium acnes</i>	9,498 (99.9)	Intermediate	Yes (3,706/18.6)	X	37,213,620	26,479,436	9,504	7,538,952	5,042,457	19,890
10	Joint fluid (knee)	Bone and joint	Positive	<i>Neisseria meningitidis</i>	Positive	<i>Neisseria meningitidis</i>	2 (40.0)	Low	Yes (126/1.2)	X	11,896,258	7,596,960	5	43,153,296	26,682,092	10,953
11	Biopsy (tissue: mitral valve)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Staphylococcus aureus</i> (6/15.4), <i>Cutibacterium acnes</i> (6/15.4), <i>Pseudomonas aeruginosa</i> group (4/10.3), <i>Acidovorax ebreus</i> (3/7.7)	40,784,624	27,715,956	39	26,346,200	16,147,978	30,402

12	Biopsy (tissue)	Bone and joint	Positive	<i>Streptococcus</i> sp.	Negative	X	X	X	X	<i>Staphylococcus aureus</i> (4/33.3), <i>Streptococcus</i> sp (4/33.3)	21,526,680	13,955,159	12	134,554	30,813	18
13	Cerebrospinal fluid	Central nervous system	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (336/11.2), <i>Thermus scotoductus</i> (303/10.1), <i>Methylobacterium extorquens</i> (208/6.9), <i>Pseudomonas aeruginosa</i> (195/6.5), <i>Delftia tsuruhatensis</i> (165/5.5), <i>Pseudomonas aeruginosa</i> group (136/4.5), <i>Acidovorax</i> sp (105/3.5), <i>Rhodococcus hoagii</i> (96/3.2), <i>Comamonas aquatica</i> (88/2.9), <i>Meiothermus ruber</i> (54/2.1), <i>Cupriavidus basilensis</i> (51/1.7), <i>Acinetobacter junii</i> (49/1.6), <i>Methylobacterium extorquens</i> group (49/1.6), <i>Cupriavidus gilardii</i> (48/1.6), <i>Achromobacter xylooxidans</i> (46/1.5), <i>Acidovorax ebreus</i> (41/1.4), <i>Stenotrophomonas maltophilia</i> (36/1.2), <i>Comamonas testosteroni</i> (32/1.1), <i>Stenotrophomonas acidaminiphila</i> (31/1.0), <i>Sphingobium hydrophobicum</i> (31/1.0), <i>Methylobacterium zotmanii</i> (30/1.0), <i>Delftia</i> sp (30/1.0)	16,264,858	10,104,534	2,994	37,012,206	13,069,328	1,582,075
14	Biopsy (tissue: vegetation)	Cardiovascular	Positive	$\beta$ -haemolytic <i>Streptococcus</i>	Positive	<i>Streptococcus dysgalactiae</i>	26,147 (99.1)	Intermediate	Yes (2/100)	X	25,909,552	16,726,733	26,375	26,624	11,687	2
15	Abscess (sternal)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (6/24.0), <i>Ralstonia solanacearum</i> (4/16.0), <i>Pseudomonas</i> sp (4/16.0)	34,214,594	22,950,433	4	24,368	9,150	0
16	Joint fluid	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (6/42.3), <i>Staphylococcus aureus</i> (3/21.4)	21,124,936	12,243,267	14	31,218,588	19,959,547	19,646
17	Abscess (mediastinum)	Cardiovascular	Negative	X	Positive	Cutaneous flora with <i>Cutibacterium acnes</i> predominance	4,903 (83.2)	Intermediate	Yes (1,141/0.05)	<i>Micrococcus luteus</i> (131/2.2), <i>Staphylococcus aureus</i> (91/1.5), <i>Thermus scotoductus</i> (86/1.5), <i>Pseudomonas aeruginosa</i> (73/1.2)	2,809,716	1,630,759	5,895	41,448,934	9,880,372	2,129,628
18	Biopsy (tissue: vegetation)	Cardiovascular	Positive	<i>Streptococcus</i> sp.	Positive	<i>Streptococcus mitis</i> group	351,809 (99.5)	Intermediate	Yes (165,483/94.0)	X	36,874,882	24,685,924	353,737	18,897,302	11,929,973	176,022
19	Biopsy (bone)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (4/22.2)	20,329,058	13,894,340	18	33,990,062	23,814,801	43,132
20	Abscess (breast)	Skin and soft tissue	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (38/46.3), <i>Staphylococcus aureus</i> (24/29.3), <i>Klebsiella aerogenes</i> (12/14.6)	56,200,522	24,708,571	82	675,606	327,707	10
21	Abscess (knee)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Escherichia coli</i> (16/53.3), <i>Ralstonia solanacearum</i> (8/26.7), <i>Staphylococcus aureus</i> (4/13.3)	24,712,470	9,530,900	30	35,778	15,252	4
22	Pleural fluid	Pulmonary	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (48/41.4), <i>Staphylococcus aureus</i> (17/14.7), <i>Cutibacterium acnes</i> (12/10.3), <i>Acinetobacter johnsonii</i> (6/5.2), <i>Sphingobium hydrophobicum</i> (4/3.4)	159,677,808	79,102,493	116	43,707,740	21,364,169	4,238
23	Biopsy (tissue: vegetation)	Cardiovascular	Positive	<i>Staphylococcus</i> sp.	Positive	<i>Staphylococcus aureus</i>	50 (90.9)	Low	Yes (2,218/12.2)	X	17,833,068	9,184,346	55	10,796,232	4,386,134	18,160
24	Abscess (kidney)	Genito-urinary	Positive	<i>Enterococcus</i> sp.	Positive	<i>Enterococcus faecalis</i>	20 (11.6)	Low	Yes (12/0.9)	<i>Ralstonia solanacearum</i> (67/38.7), <i>Staphylococcus aureus</i> (44/25.4), <i>Uncultured bacterium</i> (6/3.5), <i>Cutibacterium acnes</i> (6/3.5), <i>Acidovorax</i> sp (6/3.5), <i>Enterococcus faecium</i> (6/3.5), <i>Corynebacterium imitans</i> (4/2.3)	30,262,382	14,285,886	173	41,771,806	19,916,858	1,302

25	Joint fluid	Bone and joint	Positive	<i>Streptococcus dysgalactiae</i>	Positive	<i>Streptococcus dysgalactiae</i>	36 (43.4)	Low	No	<i>Ralstonia solanacearum</i> (20/24.1), <i>Staphylococcus aureus</i> (12/14.5), <i>Brevundimonas diminuta</i> 52/2.4), <i>Cupriavidus gilardii</i> (2/2.4), <i>Streptococcus suis</i> (2/2.4), <i>Comamonas aquatica</i> (2/2.4), <i>Actinomyces oris</i> (2/2.4), <i>Streptococcus pyogenes</i> (2/2.4), <i>Cutibacterium acnes</i> (2/2.4)	27,143,300	17,934,537	83	117,730	67,820	0
26	Joint fluid	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (12/57.1), <i>Staphylococcus aureus</i> (7/33.3)	45,219,778	30,865,846	21	173,112	55,621	2
27	Pleural fluid	Pulmonary	Negative	X	Negative	X	X	X	X	<i>Escherichia coli</i> (40/57.1), <i>Ralstonia solanacearum</i> (9/12.9), <i>Pseudomonas aeruginosa</i> group (4/5.7), <i>Thermus scotoductus</i> (3/4.3)	31,354,508	15,156,842	70	19,069,190	9,106,808	13,783
28	Joint fluid	Bone and joint	Negative	X	Positive	<i>Klebsiella pneumoniae</i>	471 (69.7)	Intermediate	No	<i>Stenotrophomonas maltophilia</i> (85/12.5), <i>Escherichia coli</i> (52/7.7), <i>Stenotrophomonas</i> sp (12/1.8), <i>Salmonella enterica</i> (10/1.5), <i>Klebsiella varicicola</i> (7/1.0)	28,009,902	14,180,503	676	35,458,066	17,404,340	12,443
29	Biopsy (tissue: aortic aneurysm)	Cardiovascular	Positive	<i>Bacteroides fragilis</i>	Positive	<i>Bacteroides fragilis</i>	12,525 (99.4)	Intermediate	Yes (6/75.0)	X	48,945,934	32,080,036	12,604	41,732	24,071	8
30	Pleural fluid	Pulmonary	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (8/40.0)	18,186,802	8,987,604	20	13,800,400	6,940,325	13,545
31	Abscess	Cardiovascular	Uninterpretable	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (10/34.5), <i>Pseudomonas</i> sp (4/13.8), <i>Ralstonia solanacearum</i> (3/10.3)	21,444,018	11,630,831	29	398,376	156,628	8
32	Biopsy (tissue: aortic valve)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (138/34.5), <i>Staphylococcus aureus</i> (69/17.3), <i>Cutibacterium acnes</i> (42/10.5), <i>Escherichia coli</i> (13/3.3), <i>Cutibacterium granulosum</i> (10/2.5), <i>Acidovorax</i> sp (8/2.0), <i>Campylobacter ureolyticus</i> (8/2.0), <i>Klebsiella pneumoniae</i> (7/1.8), <i>Uncultured bacterium</i> (6/1.5), <i>Staphylococcus epidermidis</i> (6/1.5), <i>Alcaligenes faecalis</i> (5/1.3), <i>Pseudomonas fluorescens</i> (5/1.3), <i>Pseudomonas</i> sp (4/1.0), <i>Moraxella osloensis</i> (4/1.0), <i>Rathia dentocariosa</i> (4/1.0), <i>Diaphorobacter</i> sp (4/1.0), <i>Streptococcus parasanguinis</i> (4/1.0)	159,086,958	90,146,025	400	32,78	15,383	2
33	Biopsy (tissue: aortic valve)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Cutibacterium granulosum</i> (8/22.2), <i>Cutibacterium acnes</i> (5/13.9), <i>Pseudomonas aeruginosa</i> group (4/11.1)	28,058,184	13,942,161	36	8,591,480	2,772,464	8,584
34	Biopsy (bone)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ochrobactrum anthropi</i> (12/14.3), <i>Thermus scotoductus</i> (11/13.1), <i>Delftia tsuruhatensis</i> (10/11.9), <i>Cutibacterium acnes</i> (10/11.9), <i>Pseudomonas aeruginosa</i> (8/9.5), <i>Pseudomonas aeruginosa</i> group (6/7.1)	17,188,902	8,375,224	84	19,426,688	7,669,343	47,127
35	Biopsy (bone)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (30/46.2), <i>Escherichia coli</i> (10/15.4), <i>Anoxybacillus flavithermus</i> (4/6.2), <i>Lactobacillus crispatus</i> (4/6.2)	21,030,260	11,819,215	65	4,098,466	2,326,183	637

36	Biopsy (tissue: thigh)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Moraxella osloensis</i> (12/34.3), <i>Cutibacterium acnes</i> (6/17.1), <i>Escherichia coli</i> (4/11.4), <i>Ralstonia solanacearum</i> (3/8.6)	22,452,202	12,827,965	35	1,970	935	2
37	Biopsy (tissue: mastoid)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (79/65.3), <i>Staphylococcus hominis</i> (10/8.3), <i>Moraxella osloensis</i> (6/5.0), <i>Lactobacillus crispatus</i> (4/3.3), <i>Kocuria palustris</i> (4/3.3), <i>Comamonas aquatica</i> (2/1.7), <i>Cutibacterium granulosum</i> (2/1.7), <i>Acidovorax ebreus</i> (2/1.7), <i>Paracoccus yeei</i> (2/1.7), <i>Finogoldia magna</i> (2/1.7), <i>Brochothrix thermosphacta</i> (2/1.7), <i>Streptococcus suis</i> (2/1.7), <i>Rothia dentocariosa</i> (2/1.7)	30,784,946	20,409,434	121	32,621,686	20,456,556	17,535
38	Biopsy (tissue)	Cardiovascular	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (304/60.7), <i>Staphylococcus hominis</i> (42/7.0), <i>Escherichia coli</i> (29/4.8), <i>Moraxella osloensis</i> (25/4.2), <i>Ralstonia solanacearum</i> (14/2.3), <i>Cutibacterium granulosum</i> (13/2.2), <i>Staphylococcus epidermidis</i> (11/1.8), <i>Streptococcus suis</i> (7/1.2), <i>Serratia marcescens</i> (6/1.0), <i>Acidovorax</i> sp (6/1.0), <i>Methylobacterium extorquens</i> (6/1.0), <i>Staphylococcus lugdunensis</i> (6/1.0), <i>Staphylococcus aureus</i> (6/1.0), <i>Lactobacillus amylophilus</i> (6/1.0), <i>Micrococcus luteus</i> (6/1.0), <i>Meiothermus silvanus</i> (6/1.0)	73,133,874	48,786,806	600	15,800,512	9,932,688	16,170
39	Granuloma	Skin and soft tissue	Negative	X	Positive	<i>Mycobacterium tuberculosis</i> complex	10 (15.6)	Low	No	<i>Ralstonia solanacearum</i> (14/21.9), <i>Cutibacterium acnes</i> (6/9.4), <i>Staphylococcus aureus</i> (6/9.4), <i>Escherichia coli</i> (6/9.4), <i>Klebsiella pneumoniae</i> (5/7.8), <i>Acidovorax</i> sp (4/6.3), <i>Capnocytophaga sputigena</i> (4/6.3)	25,105,672	14,557,253	64	63,048	32,569	0
40	Biopsy (tissue: inguinal)	Genito-urinary	Negative	X	Negative	X	X	X	X	<i>Escherichia coli</i> (8/11.9), <i>Thermus scotoductus</i> (7/10.4), <i>Delftia tsuruhatensis</i> (7/10.4), <i>Cutibacterium acnes</i> (6/9.0), <i>Cupriavidus gilardii</i> (5/7.5), <i>Shigella boydii</i> (4/6.0), <i>Rhodococcus hoagii</i> (4/6.0)	24,823,602	15,868,071	67	38,297,470	26,231,331	146,824
41	Joint fluid (knee)	Bone and joint	Positive	<i>Mycoplasma hominis</i>	Positive	<i>Mycoplasma hominis</i>	24 (70.6)	Low	Yes (161/1.5)	<i>Cutibacterium acnes</i> (6/17.6)	34,662,278	16,522,451	34	45,128,954	17,356,452	10,823
42	Biopsy (tissue)	Cardiovascular	Positive	<i>Streptococcus pyogenes</i>	Positive	<i>Streptococcus pyogenes</i>	102 (94.4)	Low	Yes (326/4.0)	X	27,745,268	13,019,717	108	36,336,862	12,847,888	8,187
43	Biopsy (tissue)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Kocuria palustris</i> (569/18.6), <i>Deinococcus proteolyticus</i> (442/14.4), <i>Arsenicococcus</i> sp (244/8.0), <i>Delftia tsuruhatensis</i> (206/6.7), <i>Cupriavidus gilardii</i> (177/5.8), <i>Cutibacterium acnes</i> (160/5.2), <i>Micrococcus luteus</i> (121/3.9), <i>Kytococcus sedentarius</i> (93/3.0), <i>Achromobacter xylosoxidans</i> (82/2.8), <i>Janibacter indicus</i> (72/2.3), <i>Acidovorax</i> sp (49/1.6)	435,424	165,868	3,066	24,382,782	2,642,123	424,889

44	Biopsy (bone)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (66/54.1), <i>Staphylococcus hominis</i> (14/11.5), <i>Corynebacterium singulare</i> (9/7.4), <i>Ralstonia solanacearum</i> (6/4.9), <i>Moraxella osloensis</i> (6/4.9)	24,264,080	15,685,939	122	21,716,116	13,727,327	17,661
45	Biopsy (tissue: sternum)	Bone and joint	Negative	X	Positive	<i>Corynebacterium</i> sp.	200 (53.5)	Low	Yes (845/3.4)	<i>Cutibacterium acnes</i> (104/27.8), <i>Staphylococcus hominis</i> (14/3.7), <i>Escherichia coli</i> (9/2.4), <i>Lactobacillus crispatus</i> (6/1.6), <i>Staphylococcus epidermidis</i> (5/1.3), <i>Lactobacillus johnsonii</i> (4/1.1), <i>Moraxella osloensis</i> (4/1.1)	40,880,544	27,563,026	374	13,278,044	8,588,517	24,517
46	Biopsy (tissue: vegetation)	Cardiovascular	Positive	<i>Enterococcus</i> sp.	Positive	<i>Enterococcus faecalis</i>	509 (82.8)	Low	Yes (524/4.7)	<i>Cutibacterium acnes</i> (56/9.1), <i>Lactobacillus crispatus</i> (6/1.0)	30,376,828	19,691,476	615	11,694,134	6,958,777	11,085
47	Biopsy (bone: pubic symphysis)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (274/31.7), <i>Staphylococcus hominis</i> (119/13.8), <i>Moraxella osloensis</i> (52/6.0), <i>Escherichia coli</i> (48/5.5), <i>Microbacterium aurum</i> (46/5.3), <i>Bacillus flexus</i> (46/5.3), <i>Pseudomonas aeruginosa</i> group (18/2.1), <i>Rhizobium</i> sp (18/2.1), <i>Ralstonia solanacearum</i> (16/1.8), <i>Kocuria palustris</i> (16/1.8), <i>Staphylococcus epidermidis</i> (14/1.6), <i>Acinetobacter</i> sp (13/1.5), <i>Lactobacillus crispatus</i> (10/1.2)	8,925,940	5,549,087	865	28,466,736	19,819,575	56,330
48	Biopsy (tissue:foot)	Bone and joint	Positive	<i>Staphylococcus aureus</i>	Positive	<i>Staphylococcus aureus</i>	33 (18.4)	Low	Yes (1,239/8.4)	<i>Cutibacterium acnes</i> (90/50.3), <i>Moraxella osloensis</i> (33/18.4), <i>Staphylococcus hominis</i> (8/4.5), <i>Ralstonia solanacearum</i> (6/3.4), <i>Propionibacterium</i> sp (4/2.2), <i>Escherichia coli</i> (4/2.2), <i>Cutibacterium granulatum</i> (3/1.7)	34,560,878	22,847,071	179	25,677,418	17,132,707	14,801
49	Joint fluid	Bone and joint	Positive	<i>Staphylococcus aureus</i>	Positive	<i>Staphylococcus aureus</i>	36 (56.3)	Low	Yes (299/3.6)	<i>Cutibacterium acnes</i> (18/28.1)	30,830,034	20,161,727	64	25,634,338	15,724,781	8,266
50	Biopsy (tissue: spine)	Bone and joint	Positive	<i>Staphylococcus aureus</i>	Positive	<i>Staphylococcus aureus</i>	170,822 (99.9)	Intermediate	Yes (154,940/96.5)	X	34,869,438	23,106,922	170,850	1,588,880	722,767	160,520
51	Biopsy (tissue: valve prosthesis)	Cardiovascular	Positive	<i>Streptococcus milleri</i> group	Positive	<i>Streptococcus anginosus</i>	156 (75.7)	Low	Yes (96/0.8)	<i>Staphylococcus aureus</i> (14/6.8), <i>Ralstonia solanacearum</i> (14/6.8), <i>Klebsiella pneumoniae</i> (4/1.9), <i>Pseudomonas</i> sp (4/1.9), <i>Uncultured bacterium</i> (3/1.5), <i>Melaninivora</i> sp (3/1.5)	45,492,668	26,894,710	206	37,054,226	21,186,858	12,272
52	Biopsy (tissue: aortic valve)	Cardiovascular	Positive	<i>Streptococcus mitis</i> group	Positive	<i>Streptococcus sanguinis</i>	379 (66.5)	Intermediate	Yes (95/0.05)	<i>Cutibacterium acnes</i> (38/6.7), <i>Pseudomonas putida</i> (14/2.5), <i>Escherichia coli</i> (12/2.1), <i>Pseudomonas psychrotolerans</i> (11/2.0), <i>Acidovorax</i> sp (11/2.0), <i>Ralstonia solanacearum</i> (10/1.75), <i>Pseudomonas aeruginosa</i> group (1.2), <i>Thermus scotoductus</i> (6/1.1)	11,495,818	5,266,919	570	30,777,850	15,532,463	175,487
53	Biopsy (bone)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (4/30.8), <i>Staphylococcus aureus</i> (3/23.1)	24,627,924	14,908,581	13	26,745,638	16,570,264	29,479
54	Biopsy (tissue: ankle)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Kocuria rhizophila</i> (7/16.7), <i>Acinetobacter schindleri</i> (9.5), <i>Diaphorobacter</i> sp (4/9.5)	29,811,842	19,139,186	42	24,801,086	12,403,511	161,803
55	Joint fluid	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Cutibacterium acnes</i> (4/40.0)	18,785,234	11,477,857	10	13,894,018	8,320,238	78,252

56	Joint fluid	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (4/28.6)	30,321,000	18,910,315	14	16,642,658	6,108,776	22,239
57	Abscess (kidney)	Genito-urinary	Negative	X	Negative	X	X	X	X	<i>Acinetobacter junii</i> (16/8.9), <i>Pseudomonas aeruginosa</i> group (14/7.8), <i>Cutibacterium acnes</i> (12/6.7), <i>Ralstonia solanacearum</i> (11/6.1), <i>Achromobacter xylosoxidans</i> (10/5.6), <i>Escherichia coli</i> (8/4.4), <i>Rhodocyclaceae bacterium</i> (7/3.9), <i>Propionibacterium</i> sp (6/3.3), <i>Acetanaerobium sticklandii</i> (6/3.3), <i>Haemophilus parainfluenzae</i> (5/2.8), <i>Alicyclophilus denitrificans</i> (5/2.8), <i>Acidovorax ebreus</i> (5/2.8), <i>Melaminivora</i> sp (4/2.2), <i>Bifidobacterium breve</i> (4/2.2), <i>Burkholderia cepacia</i> complex (3/1.7), <i>Acidovorax</i> sp (3/1.7), <i>Actinomyces oris</i> (3/1.7)	2,778,964	1,164,699	180	28,881,414	16,929,514	116,375
58	Biopsy (tissue: vegetation)	Cardiovascular	Positive	<i>Bartonella</i> sp.	Positive	<i>Bartonella quintana</i>	5,233,510 (99.9)	High	Yes (5,147,047/99.5)	X	12,036,808	2,066,350	5,233,529	30,139,064	3,002,421	5,175,257
59	Joint fluid	Bone and joint	Uninterpretable	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (6/19.4), <i>Citrobacter freundii</i> complex (4/12.9), <i>Arthrobacter</i> sp (3/9.7)	23,799,842	14,318,827	31	23,268,806	9,689,153	11,390
60	Biopsy (tissue: hip)	Bone and joint	Positive	<i>Escherichia coli</i>	Positive	<i>Escherichia coli</i>	337 (68.1)	Intermediate	Yes (160/6.1)	<i>Moraxella osloensis</i> (36/7.3), <i>Microbacterium aurum</i> (26/5.3), <i>Ralstonia solanacearum</i> (12/2.4), <i>Corynebacterium vitae</i> (10/2.0)	26,117,318	18,074,619	495	31,835,322	19,914,043	2,615
61	Abscess (intra-abdominal)	Intra-abdominal	Positive	<i>Staphylococcus</i> sp.	Positive	<i>Staphylococcus lugdunensis</i>	1,273 (79.7)	Intermediate	No	<i>Cutibacterium acnes</i> (82/5.1), <i>Escherichia coli</i> (26/1.6), <i>Pseudomonas</i> sp (25/1.6), <i>Ralstonia solanacearum</i> (17/1.1)	38,797,462	21,876,147	1,597	1,002,840	463,382	12
62	Biopsy (tissue: hip)	Bone and joint	Negative	X	Positive	<i>Cutibacterium acnes</i>	763 (99.6)	Intermediate	Yes (286/1.2)	X	20,851,744	15,058,863	766	15,451,286	10,571,474	24,584
63	Abscess (liver)	Intra-abdominal	Positive	<i>Fusobacterium nucleatum</i>	Positive	<i>Fusobacterium nucleatum</i>	2,594 (99.5)	Intermediate	Yes (12,400/96.0)	X	17,463,924	11,095,065	2,606	1,860,896	1,166,727	12,916
64	Biopsy (tissue: aortic valve)	Cardiovascular	Negative	X	Positive	<i>Staphylococcus epidermidis</i>	169 (44.4)	Low	Yes (1,698/28.7)	<i>Ralstonia solanacearum</i> (48/12.6), <i>Staphylococcus aureus</i> (29/7.6), <i>Cutibacterium acnes</i> (18/4.7), <i>Haemophilus parainfluenzae</i> (10/2.6), <i>Streptococcus</i> sp (8/2.1), <i>Streptococcus pneumoniae</i> (6/1.6), <i>Uncultured bacterium</i> (6/1.6)	74,903,930	49,731,363	381	32,084,336	13,359,404	59,252
65	Joint fluid (knee)	Bone and joint	Positive	<i>Streptococcus</i> sp. + <i>Moraxella</i> sp.	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (10/35.7), <i>Uncultured bacterium</i> (8/28.6), <i>Staphylococcus aureus</i> (5/17.9)	29,159,912	17,777,989	28	4,362,910	2,774,201	641
66	Abscess (knee)	Bone and joint	Positive	<i>Pseudomonas fluorescens</i> group	Negative	X	X	X	X	X	20,127,602	13,088,565	7	12,816	7,016	2
67	Biopsy (tissue: knee)	Bone and joint	Negative	X	Negative	X	X	X	X	<i>Ralstonia solanacearum</i> (52/43.0), <i>Staphylococcus aureus</i> (32/26.4), <i>Cutibacterium acnes</i> (9/7.4), <i>Escherichia coli</i> (6/5.0), <i>Microbacterium aurum</i> (4/3.3)	51,333,442	30,645,045	121	33,900,372	19,624,723	7,649

SMg: Shotgun metagenomics; Sanger 16S: Amplification of the 16S rRNA gene and Sanger sequencing of the PCR products