

Table S3 Isolate Information

Accession	SampleID	PatientNo	Date	Obs MRMS	Predic MRMS
143510732	CFSA199	Patient005	12/17/14	MSSA	MSSA
141201151	CFSA006	Patient007A	4/30/14	MRSA	MRSA
141551839	CFSA005	Patient007B	6/4/14	MRSA	MRSA
150561012	CFSA225	Patient013	2/25/15	MRSA	MSSA
142670669	CFSA108	Patient021A1	9/24/14	MSSA	MSSA
142670669	CFSA164	Patient021A2	9/24/14	MSSA	MSSA
143282240	CFSA163	Patient022A	11/24/14	MSSA	MSSA
150541841	CFSA227	Patient022B	2/23/15	MRSA	MRSA
143372662	CFSA162	Patient023	12/3/14	MSSA	MSSA
142031128	CFSA033	Patient026A	7/23/14	MRSA	MRSA
142941321	CFSA117	Patient026B	10/21/14	MRSA	MRSA
150061036	CFSA237	Patient026C	1/6/15	MRSA	MRSA
151461139	CFSA325	Patient026D	5/26/15	MRSA	MRSA
152270157	CFSA284	Patient026E	8/16/15	MRSA	MRSA
153062574	CFSA308	Patient026F	11/2/15	MRSA	MRSA
141531496	CFSA004	Patient028	6/2/14	MRSA	MRSA
143631648	CFSA231	Patient029	12/29/14	MSSA	MSSA
142651145	CFSA171	Patient031	9/22/14	MSSA	MSSA
141340946	CFSA003	Patient032A	5/14/14	MRSA	MRSA
142950773	CFSA118	Patient032B	10/22/14	MRSA	MRSA
150771262	CFSA206	Patient032C	3/18/15	MRSA	MRSA
152170783	CFSA343	Patient032D	8/5/15	MRSA	MSSA
153361087	CFSA314	Patient032E	12/2/15	MRSA	MRSA
143440714	CFSA190	Patient033	12/10/14	MSSA	MSSA
142480928	CFSA088	Patient034A	9/5/14	MRSA	MRSA
142530949	CFSA095	Patient034B	9/10/14	MSSA	MRSA
143440715	CFSA189	Patient034C	12/10/14	MRSA	MRSA
153011052	CFSA274	Patient034D	10/28/15	MRSA	MRSA
160130993	CFSA315	Patient034E	1/13/16	MRSA	MRSA
143501082	CFSA202	Patient038	12/22/14	MSSA	MSSA
141111813	CFSA093	Patient045A	4/24/14	MRSA	MRSA
142722774	CFSA102	Patient045B	9/29/14	MRSA	MRSA
150961970	CFSA347	Patient045C	4/6/15	MRSA	MRSA
153210998	CFSA344	Patient045D	11/17/15	MRSA	MRSA

Siblings
(032,
033,034)

141400818	CFSA001	Patient053A1	5/20/14	MRSA	MRSA
141400818	CFSA079	Patient053A2	5/20/14	MRSA	MRSA
141760858	CFSA080	Patient053B	6/25/14	MRSA	MRSA
142470880	CFSA098	Patient053C	9/4/14	MRSA	MRSA
142660931	CFSA140	Patient054	9/23/14	MSSA	MSSA
142661070	CFSA139	Patient055	9/23/14	MSSA	MSSA
143631715	CFSA232	Patient056	12/29/14	MSSA	MSSA
143151423	CFSA138	Patient058	11/11/14	MSSA	MSSA
143220873	CFSA137	Patient062	11/18/14	MSSA	MSSA
150080646	CFSA241	Patient066A	1/8/15	MSSA	MSSA
150651607	CFSA204	Patient066B	3/6/15	MSSA	MSSA
152040717	CFSA324	Patient066D	7/23/15	MRSA	MRSA
152790746	CFSA304	Patient066E	10/6/15	MRSA	MRSA
160120614	CFSA273	Patient066F	1/12/16	MRSA	MRSA
142601044	CFSA136	Patient069	9/21/14	MSSA	MSSA
142581804	CFSA070	Patient072	9/19/14	MSSA	MSSA
141701004	CFSA034	Patient074A	6/19/14	MRSA	MSSA
142591223	CFSA094	Patient074B	9/16/14	MRSA	MRSA
150500760	CFSA223	Patient074C	2/19/15	MRSA	MRSA
152661184	CFSA317	Patient074D	9/23/15	MRSA	MRSA
160060668	CFSA299	Patient074E	1/6/16	MRSA	MRSA
142512052	CFSA074	Patient075	9/8/14	MSSA	MRSA
142180991	CFSA035	Patient079A1	8/6/14	MRSA	MSSA
142180991	CFSA096	Patient079A2	8/6/14	MRSA	MRSA
142861510	CFSA103	Patient079B	10/15/14	MRSA	MRSA
150210750	CFSA250	Patient079C	1/21/15	MRSA	MRSA
141881884	CFSA036	Patient081A1	7/7/14	MRSA	MRSA
141881884	CFSA085	Patient081A2	7/7/14	MRSA	MRSA
142731506	CFSA101	Patient081B	9/29/14	MRSA	MRSA
150821884	CFSA207	Patient081C	3/23/15	MRSA	MRSA
152081963	CFSA353	Patient081D	7/27/15	MRSA	MRSA
153510342	CFSA277	Patient081E	12/17/15	MRSA	MRSA
160111096	CFSA290	Patient081F	1/11/16	MRSA	MRSA
142052025	CFSA037	Patient086A	7/24/14	MRSA	MRSA
143221475	CFSA195	Patient086B	11/18/14	MRSA	MRSA
150611227	CFSA228	Patient086C	3/2/15	MRSA	MRSA
160130855	CFSA316	Patient086E	1/13/16	MRSA	MRSA
150140914	CFSA246	Patient088	1/14/15	MSSA	MSSA

Siblings
(054, 055)

150140760	CFSA245	Patient089A1	1/14/15	MSSA	MSSA	Siblings (088,089)
150141261	CFSA247	Patient089A2	1/14/15	MSSA	MSSA	
150841137	CFSA210	Patient090	3/25/15	MSSA	MSSA	
141540612	CFSA012	Patient091A	6/5/14	MRSA	MRSA	
142520910	CFSA089	Patient091B	9/9/14	MSSA	MSSA	
141100677	CFSA011	Patient092A	4/24/14	MRSA	MRSA	
143071678	CFSA150	Patient092B	11/3/14	MRSA	MRSA	
143492632	CFSA173	Patient092C	12/15/14	MRSA	MRSA	
150551081	CFSA224	Patient092D	2/24/15	MRSA	MRSA	
151382053	CFSA296	Patient092E	5/18/15	MRSA	MRSA	
153272518	CFSA352	Patient092G	11/23/15	MRSA	MSSA	
153351476	CFSA288	Patient092H	12/2/15	MRSA	MRSA	
150271376	CFSA215	Patient093A	1/27/15	MRSA	MRSA	
150831473	CFSA209	Patient093B	3/24/15	MRSA	MRSA	
151550644	CFSA362	Patient093C	6/4/15	MRSA	MRSA	
152660962	CFSA365	Patient093D	9/23/15	MRSA	MRSA	Siblings (093, 094)
153361477	CFSA359	Patient093E	12/2/15	MRSA	MRSA	
150271267	CFSA259	Patient094A	1/27/15	MRSA	MRSA	
151032188	CFSA361	Patient094B	4/13/15	MRSA	MRSA	
152030935	CFSA358	Patient094C	7/22/15	MRSA	MRSA	
153011064	CFSA355	Patient094D	10/28/15	MRSA	MRSA	
160341439	CFSA369	Patient094E	2/3/16	MRSA	MRSA	
111340719	CFSA091	Patient097A	5/14/11	MRSA	MRSA	
141540873	CFSA010	Patient097B	6/3/14	MRSA	MRSA	
142691477	CFSA109	Patient097C	9/26/14	MRSA	MRSA	
150360864	CFSA219	Patient097D	2/5/15	MRSA	MRSA	
151631356	CFSA349	Patient097E	6/12/15	MRSA	MRSA	
142051070	CFSA038	Patient099A	7/24/14	MRSA	MRSA	
142961100	CFSA119	Patient099B	10/23/14	MRSA	MRSA	
150851018	CFSA213	Patient099C	3/26/15	MRSA	MRSA	Siblings (099, 100)
151690722	CFSA323	Patient099D	6/18/15	MRSA	MRSA	
153241491	CFSA301	Patient099E	11/20/15	MRSA	MRSA	
141400777	CFSA009	Patient100A	5/20/14	MRSA	MRSA	
150061142	CFSA238	Patient100B	1/6/15	MSSA	MSSA	
141620941	CFSA039	Patient103A	6/11/14	MRSA	MRSA	
142951843	CFSA104	Patient103B	10/22/14	MRSA	MRSA	
150140675	CFSA244	Patient103C	1/14/15	MRSA	MRSA	
151242204	CFSA334	Patient103D	5/4/15	MRSA	MRSA	

152041823	CFSA328	Patient103E	7/23/15	MRSA	MRSA
142600599	CFSA105	Patient104A	9/17/14	MRSA	MRSA
143510930	CFSA197	Patient104B	12/17/14	MRSA	MRSA
141140800	CFSA008	Patient108A	4/29/14	MRSA	MRSA
142191118	CFSA055	Patient108B1	8/7/14	MRSA	MRSA
142191118	CFSA194	Patient108B2	8/7/14	MRSA	MRSA
143430882	CFSA193	Patient108D	12/9/14	MRSA	MRSA
151941352	CFSA329	Patient108F	7/13/15	MRSA	MRSA
153341154	CFSA289	Patient108G	11/30/15	MRSA	MRSA
160070813	CFSA321	Patient108H	1/7/16	MRSA	MRSA
142191119	CFSA040	Patient109A	8/7/14	MRSA	MRSA
143430883	CFSA192	Patient109B	12/9/14	MRSA	MRSA
151410852	CFSA303	Patient109C	5/21/15	MRSA	MRSA
152431375	CFSA281	Patient109D	8/31/15	MRSA	MRSA
160070814	CFSA293	Patient109E	1/7/16	MRSA	MRSA
150070576	CFSA239	Patient114	1/7/15	MSSA	MSSA
142380962	CFSA087	Patient120A	8/26/14	MRSA	MRSA
143430965	CFSA191	Patient120B	12/9/14	MRSA	MRSA
152221415	CFSA313	Patient120C	8/13/15	MRSA	MRSA
160141890	CFSA272	Patient120D	1/14/16	MRSA	MRSA
142870939	CFSA114	Patient121A	10/14/14	MRSA	MRSA
150831281	CFSA208	Patient121B	3/24/15	MRSA	MRSA
141630919	CFSA041	Patient123A	6/12/14	MRSA	MRSA
142460933	CFSA097	Patient123B	9/3/14	MRSA	MRSA
143361437	CFSA149	Patient123C	12/2/14	MRSA	MRSA
150841337	CFSA211	Patient123D	3/25/15	MRSA	MRSA
150261350	CFSA256	Patient126	1/22/15	MRSA	MRSA
152041007	CFSA337	Patient126C	7/23/15	MRSA	MRSA
152891654	CFSA311	Patient126D	10/15/15	MRSA	MRSA
160061449	CFSA335	Patient126E	1/6/16	MRSA	MRSA
141251406	CFSA007	Patient127A	5/5/14	MRSA	MRSA
142871001	CFSA115	Patient127B	10/14/14	MRSA	MRSA
150140586	CFSA243	Patient128	1/14/15	MSSA	MSSA
143370825	CFSA135	Patient131	12/3/14	MSSA	MSSA
143360971	CFSA134	Patient133	12/2/14	MSSA	MSSA
143631167	CFSA230	Patient135	12/29/14	MSSA	MSSA
141322333	CFSA018	Patient141A	5/12/14	MRSA	MRSA
142250958	CFSA078	Patient141B	8/13/14	MRSA	MRSA

Siblings
(108,
109)

143370703	CFSA148	Patient141C	12/3/14	MRSA	MRSA
151181371	CFSA320	Patient141D	4/29/15	MRSA	MRSA
152780962	CFSA276	Patient141F	10/5/15	MRSA	MRSA
160111251	CFSA287	Patient141G	1/11/16	MRSA	MRSA
141480956	CFSA017	Patient145A	5/28/14	MRSA	MRSA
142230991	CFSA076	Patient145B	8/11/14	MRSA	MRSA
143151951	CFSA147	Patient145C	11/11/14	MRSA	MRSA
150130669	CFSA242	Patient146	1/13/15	MSSA	MSSA
142050705	CFSA042	Patient149A	7/24/14	MRSA	MRSA
143170965	CFSA165	Patient149B	10/13/14	MRSA	MRSA
141530698	CFSA016	Patient150A	6/2/14	MRSA	MRSA
142451622	CFSA072	Patient150B	9/4/14	MRSA	MRSA
150050950	CFSA234	Patient150C	1/5/15	MRSA	MRSA
142400731	CFSA086	Patient152A	8/28/14	MRSA	MRSA
150220894	CFSA252	Patient152B	1/22/15	MRSA	MRSA
143510989	CFSA196	Patient157	12/17/14	MSSA	MSSA
143350744	CFSA132	Patient158	12/3/14	MSSA	MSSA
142530742	CFSA081	Patient159	9/10/14	MSSA	MSSA
160341590	CFSA368	Patient161B	2/3/16	MRSA	MRSA
150161450	CFSA248	Patient164	1/16/15	MSSA	MSSA
150221249	CFSA254	Patient167	1/22/15	MSSA	MSSA
150220949	CFSA253	Patient171	1/22/15	MSSA	MSSA
152101661	CFSA360	Patient173A	7/29/15	MRSA	MRSA
160201543	CFSA357	Patient173B	1/20/16	MRSA	MRSA
142521082	CFSA090	Patient176	9/9/14	MSSA	MSSA
150351059	CFSA218	Patient177	2/4/15	MRSA	MRSA
150050652	CFSA235	Patient179	1/5/15	MSSA	MSSA
150201476	CFSA249	Patient180	1/20/15	MSSA	MSSA
141252250	CFSA015	Patient181A	5/5/14	MRSA	MRSA
143631987	CFSA233	Patient181B	12/29/14	MRSA	MRSA
141480665	CFSA014	Patient183A	5/28/14	MRSA	MRSA
142661205	CFSA107	Patient183B	9/26/14	MRSA	MRSA
150331046	CFSA216	Patient183C	2/2/15	MRSA	MRSA
152851734	CFSA291	Patient183D	10/12/15	MRSA	MRSA
153191051	CFSA332	Patient183E	11/16/15	MRSA	MRSA
141742054	CFSA043	Patient184	6/23/14	MRSA	MRSA
150611125	CFSA229	Patient187	3/2/15	MRSA	MRSA
141110689	CFSA013	Patient189A	4/24/14	MRSA	MRSA

siblings
(179,
180)

141531090	CFSA024	Patient189B	6/2/14	MRSA	MRSA	
142791024	CFSA110	Patient189C1	10/6/14	MSSA	MSSA	
142791024	CFSA141	Patient189C2	10/6/14	MSSA	MSSA	
152880917	CFSA364	Patient189E	10/15/15	MRSA	MRSA	
143221614	CFSA160	Patient191	11/18/14	MSSA	MSSA	
142390640	CFSA084	Patient192A	8/27/14	MRSA	MRSA	
143371220	CFSA159	Patient192B	12/3/14	MSSA	MRSA	
150210850	CFSA251	Patient192C	1/21/15	MRSA	MRSA	
151680806	CFSA319	Patient192D	6/17/15	MRSA	MRSA	
152521147	CFSA348	Patient192E	9/9/15	MRSA	MRSA	
153500846	CFSA310	Patient192F	12/16/15	MRSA	MRSA	
143350826	CFSA158	Patient193	12/1/14	MSSA	MSSA	
143221407	CFSA157	Patient194	11/18/14	MSSA	MSSA	
142161521	CFSA044	Patient195	8/4/14	MRSA	MRSA	
141541103	CFSA023	Patient196A	6/3/14	MRSA	MRSA	
143170892	CFSA146	Patient196B	11/13/14	MRSA	MRSA	
150541430	CFSA226	Patient196C	2/23/15	MRSA	MRSA	
151871031	CFSA300	Patient196D	7/6/15	MRSA	MRSA	
153061377	CFSA280	Patient196E	11/2/15	MRSA	MRSA	
160041188	CFSA295	Patient196F	1/4/16	MRSA	MRSA	
141910702	CFSA045	Patient198	7/10/14	MRSA	MRSA	
141900852	CFSA046	Patient201A	7/9/14	MRSA	MRSA	
142880765	CFSA116	Patient201B	10/15/14	MRSA	MRSA	
143370666	CFSA156	Patient201C	12/3/14	MSSA	MSSA	
151331177	CFSA322	Patient201D	5/13/15	MRSA	MSSA	
153500902	CFSA285	Patient201E	12/16/15	MRSA	MRSA	
142580969	CFSA073	Patient202	9/19/14	MSSA	MSSA	
143160920	CFSA155	Patient204	11/12/14	MSSA	MSSA	Siblings (204, 205)
143510568	CFSA200	Patient205	12/17/14	MSSA	MSSA	
142041222	CFSA047	Patient206	7/23/14	MRSA	MRSA	Siblings (206, 207)
142041224	CFSA048	Patient207	7/23/14	MRSA	MRSA	
143501086	CFSA201	Patient208	12/16/14	MSSA	MSSA	
142091813	CFSA049	Patient210	7/28/14	MSSA	MSSA	
143361825	CFSA145	Patient213A	12/2/14	MRSA	MRSA	
150411045	CFSA220	Patient213B	2/10/15	MRSA	MRSA	
143492256	CFSA203	Patient215	12/15/14	MSSA	MSSA	
141110955	CFSA022	Patient217A	4/24/14	MRSA	MRSA	
141541208	CFSA021	Patient217B	6/3/14	MRSA	MRSA	

142611705	CFSA154	Patient217C	9/18/14	MRSA	MRSA
142651144	CFSA106	Patient217D	9/22/14	MRSA	MRSA
143361089	CFSA144	Patient217E	12/2/14	MRSA	MRSA
150841974	CFSA212	Patient217F	3/25/15	MRSA	MRSA
152431277	CFSA278	Patient217H	8/31/15	MRSA	MRSA
153130894	CFSA298	Patient217I	11/9/15	MRSA	MRSA
160111742	CFSA	Patient217J	1/11/16	MRSA	MRSA
141321890	CFSA020	Patient218A	5/12/14	MRSA	MRSA
150471486	CFSA222	Patient218B	2/16/15	MRSA	MRSA
141401011	CFSA019	Patient220A	5/20/14	MRSA	MRSA
143042214	CFSA153	Patient220B	10/31/14	MSSA	MSSA
141420930	CFSA029	Patient222A	5/22/14	MRSA	MRSA
142400928	CFSA083	Patient222B	8/28/14	MRSA	MRSA
143141847	CFSA143	Patient222C	11/10/14	MRSA	MRSA
150341057	CFSA217	Patient222D	2/3/15	MRSA	MRSA
151320812	CFSA336	Patient222E	5/12/15	MRSA	MRSA
152821713	CFSA270	Patient222F	10/9/15	MRSA	MRSA
141391455	CFSA030	Patient224A	5/19/14	MRSA	MRSA
143360959	CFSA142	Patient224B	12/2/14	MRSA	MRSA
141321023	CFSA028	Patient230A	5/12/14	MRSA	MRSA
142521190	CFSA092	Patient230B	9/9/14	MRSA	MRSA
150271154	CFSA258	Patient230C	1/27/15	MRSA	MRSA
151121513	CFSA327	Patient230D	4/22/15	MRSA	MRSA
152081838	CFSA339	Patient230E	7/27/15	MRSA	MRSA
152770684	CFSA351	Patient230F	10/4/15	MRSA	MRSA
160042020	CFSA338	Patient230G	1/4/16	MRSA	MRSA
142020889	CFSA050	Patient232A	7/21/14	MRSA	MRSA
143090896	CFSA151	Patient232B	11/5/14	MRSA	MRSA
150760819	CFSA205	Patient232C	3/17/15	MRSA	MRSA
152292383	CFSA275	Patient232D	8/17/15	MRSA	MRSA
153551341	CFSA326	Patient232E	12/21/15	MRSA	MRSA
143291477	CFSA152	Patient233	11/25/14	MSSA	MSSA
141270948	CFSA027	Patient235A	5/7/14	MRSA	MRSA
142530883	CFSA075	Patient235B	9/10/14	MRSA	MRSA
150071403	CFSA240	Patient235C	1/7/15	MRSA	MRSA
152170980	CFSA292	Patient235E	8/5/15	MRSA	MRSA
160130867	CFSA305	Patient235F	1/13/16	MRSA	MRSA
142791380	CFSA170	Patient236A	10/6/14	MRSA	MRSA

150051314	CFSA236	Patient236B	1/5/15	MRSA	MRSA	
143510795	CFSA198	Patient238	12/17/14	MSSA	MSSA	
141770837	CFSA051	Patient241	6/26/14	MRSA	MRSA	Siblings (241, 242)
141770838	CFSA052	Patient242	6/26/14	MRSA	MRSA	
141890830	CFSA053	Patient246A	7/8/14	MRSA	MRSA	
142791383	CFSA112	Patient246B	10/6/14	MRSA	MRSA	
150270931	CFSA257	Patient246C	1/26/15	MRSA	MRSA	
151871443	CFSA340	Patient246D	7/6/15	MRSA	MRSA	
152781594	CFSA312	Patient246E	10/5/15	MRSA	MRSA	Siblings (246, 247)
141890831	CFSA054	Patient247A	7/8/14	MRSA	MRSA	
142791167	CFSA111	Patient247B	10/6/14	MRSA	MRSA	
150261256	CFSA255	Patient247C	1/26/15	MRSA	MRSA	
151870948	CFSA297	Patient247D	7/6/15	MRSA	MRSA	
152781603	CFSA271	Patient247E	10/5/15	MRSA	MRSA	
143421615	CFSA187	Patient251	12/8/14	MRSA	MRSA	
142891031	CFSA169	Patient252A	10/16/14	MRSA	MRSA	
150990996	CFSA341	Patient252B	4/9/15	MRSA	MRSA	
152320941	CFSA283	Patient252D	8/20/15	MRSA	MRSA	
153510813	CFSA279	Patient252F	12/16/15	MRSA	MRSA	
142581059	CFSA071	Patient254	9/19/14	MSSA	MSSA	
141251737	CFSA026	Patient258A1	5/5/14	MRSA	MRSA	
141251737	CFSA032	Patient258A2	5/5/14	MRSA	MRSA	
142231024	CFSA082	Patient258B	8/11/14	MRSA	MRSA	
142811273	CFSA113	Patient258C1	10/8/14	MSSA	MSSA	
142811273	CFSA161	Patient258C2	10/8/14	MSSA	MSSA	
143281153	CFSA167	Patient258D	11/24/14	MRSA	MRSA	
150471150	CFSA221	Patient258E	2/16/15	MRSA	MRSA	
151351605	CFSA302	Patient258F	5/15/15	MRSA	MRSA	
152361340	CFSA309	Patient258G	8/24/15	MRSA	MRSA	
141151016	CFSA025	Patient261A	4/29/14	MRSA	MRSA	
142261804	CFSA077	Patient261B	8/14/14	MRSA	MRSA	
143300653	CFSA168	Patient261C	11/26/14	MRSA	MRSA	
150851880	CFSA214	Patient261D	3/26/15	MRSA	MRSA	
151540945	CFSA346	Patient261E	6/3/15	MRSA	MRSA	
153491886	CFSA286	Patient261G	12/16/15	MRSA	MRSA	
141131288	CFSA031	Patient263A	4/28/14	MRSA	MRSA	
143161095	CFSA166	Patient263B	11/12/14	MRSA	MRSA	
160061197	CFSA363	Patient265	1/6/16		MRSA	

Accession number is a unique identifier for each isolate. SampleID is a unique identifier for each genome sequence. PatientNo identifies the patient from which the isolate was obtained, with letter suffixes indicating isolates taken at different times from the same patient.

Blocks of samples from the same patient are shaded in blue. Samples from the same patient and with the same accession number (shown in red) are replicate sequences of the same isolate and have PatientNo such as Patient021A1 and 021A2. MRSA = methicillin resistant, MSSA = methicillin sensitive. **Obs MRMS** is Observed MRSA or MSSA phenotype. **Predic MRMS** is the MRSA or MSSA phenotype predicted by the program PPF2.