ID	Accession	Name	Site	ST	сс Сар	rMLST	Comment
57328	ERR2847670	AR00145	Α	11	11 W	0.94	
57335	ERR2847773	AR00283	Α	11149	11 W	0.96	
57340	ERR2847715	AR00416	Α	11	11 W	1.00	
57349	ERR2847566	AR00463	Α	11	11 W	1.00	
57352	ERR2847788	AR00510	Α	11	11 W	1.00	
57355	ERR2847774	AR00542	Α	11	11 W	1.00	
57356	ERR2847793	AR00564	Α	11	11 W	1.00	
57358	ERR2847706	AR00612	Α	11	11 W	1.00	
57359	ERR2847560	AR00633	Α	11	11 W	1.00	
57360	ERR2847400	AR00638	Α	11	11 W	1.00	
57361	ERR2847438	AR00680	Α	11	11 W	0.96	
60034	ERR2847487	AR01589	В	11	11 W	0.96	
60036	ERR2847753	AR01602	В	11	11 W	0.96	
60070	ERR2847688	AR02792	В	11	11 W	0.96	
60074	ERR2847800	AR02917	В	11	11 W	0.96	
60092	ERR2847677	AR03106	В	11	11 W	0.94	
60138	ERR2847433	AR03835	В	11	11 W	0.96	
60170	ERR2847689	AR04006	С	11	11 W	0.96	
60220	ERR2847806	AR04805	С	11	11 W	1.00	
60230	ERR2847711	AR07365	D	11	11 W	1.00	
60237	ERR2847633	AR05068	С	11	11 W	0.96	
60294	ERR2847355	AR07558	D	11	11 W	1.00	
60310	ERR2847379	AR07119	С	11	11 W	0.96	
60314	ERR2847746	AR04768	С	11	11 W	0.96	
60319	ERR2847777	AR02217	В	11	11 W	0.96	
60330	ERR2847776	AR05906	С	7849	11 W	0.96	
60411	ERR2847443	AR03130	В	11	11 W	0.96	
61211	ERR2847607	AR04366	С	11	11 W	0.96	
60347	ERR2847809	AR06071	D	35	35 -	1.00	ctrABCDEF, cseABCDEFG
60362	ERR2847653	AR04894	С	35	35 B	1.00	
60398	ERR2847392	AR06734	D	35	35 -	1.00	ctrABCDEF, cseBCDEFG
60408	ERR2847763	AR07466	D	35	35 C	0.98	
60417	ERR2847458	AR06849	D	35	35 B	0.98	
61201	ERR2847474	AR04285	С	35	35 -	1.00	ctrEF
60057	ERR2847543	AR02037	В	53	53 cnl	0.96	
60058	ERR2847558	AR02067	В	53	53 cnl	0.96	
60068	ERR2847615	AR02730	В	53	53 cnl	0.96	
60094	ERR2847527	AR03148	В	7389	53 cnl	0.96	
60098	ERR2847767	AR03534	В	53	53 cnl	0.96	
60100	ERR2847794	AR03399	В	53	53 cnl	0.96	
60101	ERR2847766	AR03449	В	53	53 cnl	0.96	
60106	ERR2847506	AR03586	В	53	53 cnl	0.98	
60109	ERR2847609	AR03613	В	53	53 cnl	0.98	
60121	ERR2847448	AR03741	В	53	53 cnl	0.96	
60127	ERR2847625	AR03805	В	53	53 cnl	0.98	
60135	ERR2847425		В	53	53 cnl	0.96	
60183	ERR2847572	AR04623	С	53	53 cnl	0.96	
60205	ERR2847646		С	53	53 cnl	0.94	
60206	ERR2847480	AR04546	С	53	53 cnl	0.96	

60208	ERR2847697	AR04603	C	53	53 cnl	0.96
60216	ERR2847412	AR04729	С	53	53 cnl	0.96
60226	ERR2847791	AR04867	С	53	53 cnl	0.96
60246	ERR2847592	AR05252	С	53	53 cnl	0.96
60248	ERR2847346	AR05264	С	53	53 cnl	0.96
60266	ERR2847368	AR05849	С	53	53 cnl	0.98
60309	ERR2847453	AR07116	С	53	53 cnl	0.94
60317	ERR2847701	AR01529	В	53	53 cnl	0.96
60329	ERR2847726	AR05858	С	53	53 cnl	0.96
60342	ERR2847538	AR06004	С	53	53 cnl	0.96
60354	ERR2847734	AR01790	В	53	53 cnl	0.96
60357	ERR2847700	AR03575	В	53	53 cnl	0.98
60360	ERR2847702	AR04301	С	53	53 cnl	0.96
60390	ERR2847403	AR05875	С	11594	53 cnl	0.94
60407	ERR2847498	AR07198	С	53	53 cnl	0.94
61200	ERR2847406	AR04284	С	53	53 cnl	0.94
61202	ERR2847817	AR04302	С	53	53 cnl	0.94
61203	ERR2847439	AR04304	С	53	53 cnl	0.96
61204	ERR2847469	AR04311	С	53	53 cnl	0.96
61205	ERR2847580	AR04321	С	53	53 cnl	0.94
61206	ERR2847486	AR04322	С	53	53 cnl	0.94
61210	ERR2847347	AR04320	С	53	53 cnl	0.94
61212	ERR2847483	AR04373	С	53	53 cnl	0.96
60405	ERR2847619	AR07183	С	767	167 Y	0.98
57336	ERR2847492	AR00302	Α	8447	175 C	0.98
60134	ERR2847472	AR03481	В	175	175 -	1.00 ctrBCDEF
60143	ERR2847761	AR03921	С	175	175 -	1.00 ctrBCDEF
60308	ERR2847547	AR05331	С	175	175 -	1.00 ctrBCDEF
60403	ERR2847725	AR07092	С	8447	175 C	0.98
61207	ERR2847707	AR04332	С	175	175 -	1.00 ctrBCDEF
60231	ERR2847571	AR07612	D	178	178 -	0.98 ctrABCDEF, cseABCDEFG
57594	ERR2847419	AR05983	С	181	181 X	0.95
60125	ERR2847422	AR03791	В	181	181 X	1.00
60147	ERR2847650	AR04095	С	181	181 X	0.97
60158	ERR2847554	AR04144	С	181	181 X	0.97
60161	ERR2847383	AR04170	С	181	181 X	0.97
60164	ERR2847693	AR04192	С	181	181 X	0.97
60270	ERR2847533	AR06369	D	11591	181 X	1.00
60284	ERR2847784	AR06955	D	11591	181 X	1.00
60287	ERR2847389	AR07307	D	11591	181 X	1.00
60291	ERR2847588	AR07515	D	11591	181 X	1.00
60295	ERR2847373	AR07578	D	11591	181 X	1.00
60344	ERR2847739	AR06027	С	181	181 X	0.95
60373	ERR2847804	AR05771	С	11591	181 X	1.00
56759	ERR2847692	AR05971	С	192	192 cnl	0.98
57315	ERR2847363	AR00033	Α	192	192 cnl	0.98
57316	ERR2847562		Α	192	192 cnl	0.98
57317	ERR2847651		Α	192	192 cnl	0.98
57319	ERR2847579		Α	192	192 cnl	0.98
	ERR2847644		Α	192	192 cnl	0.98

57321	ERR2847494	AR00161	Α	192	192 cnl	0.98
57322	ERR2847552	AR00173	Α	192	192 cnl	0.98
57323	ERR2847570	AR00115	Α	192	192 cnl	0.98
57324	ERR2847656	AR00123	Α	192	192 cnl	0.98
57325	ERR2847551	AR00126	Α	192	192 cnl	0.98
57327	ERR2847719	AR00134	Α	192	192 cnl	0.98
57329	ERR2847352	AR00182	Α	192	192 cnl	0.98
57330	ERR2847740	AR00167	Α	192	192 cnl	0.98
57332	ERR2847786	AR00238	Α	192	192 cnl	0.98
57333	ERR2847348	AR00249	Α	192	192 cnl	0.98
57334	ERR2847526	AR00259	Α	192	192 cnl	0.96
57338	ERR2847591	AR00335	Α	192	192 cnl	0.98
57339	ERR2847758	AR00356	Α	192	192 cnl	0.98
57341	ERR2847384	AR00440	Α	192	192 cnl	0.96
57342	ERR2847611	AR00441	Α	192	192 cnl	0.98
57344	ERR2847510	AR00453	Α	192	192 cnl	0.96
57345	ERR2847610	AR00454	Α	192	192 cnl	0.96
57346	ERR2847818	AR00388	Α	192	192 cnl	0.96
57350	ERR2847759	AR00470	Α	192	192 cnl	0.98
57351	ERR2847783	AR00482	Α	192	192 cnl	0.88
57353	ERR2847768	AR00515	Α	192	192 cnl	0.96
57354	ERR2847418	AR00540	Α	192	192 cnl	0.98
57362	ERR2847663	AR00685	Α	192	192 cnl	0.96
57364	ERR2847361	AR00697	Α	192	192 cnl	0.98
57365	ERR2847367	AR00712	Α	192	192 cnl	0.98
57366	ERR2847362	AR00713	Α	192	192 cnl	0.98
57367	ERR2847417	AR00733	Α	192	192 cnl	0.98
57368	ERR2847522	AR00737	A	192	192 cnl	0.98
57369	ERR2847785	AR00744	A	192	192 cnl	0.98
57370	ERR2847742	AR00747	A	192	192 cnl	0.96
57371	ERR2847584	AR00750	A	192	192 cnl	0.98
57372	ERR2847620	AR00760	A	192	192 cnl	0.98
57373	ERR2847602	AR00761	A	192	192 cnl	0.98
57374	ERR2847747	AR00765	A	192	192 cnl	0.98
57375	ERR2847604	AR00771	A	192	192 cnl	0.98
57376	ERR2847431	AR00772	A	192	192 cnl	0.98
57592 57974	ERR2847540	AR05973	C	192	192 cnl	0.98
	ERR2847671 ERR2847822	AR00777 AR00784	A	192	192 cnl	0.98
57975 57077	ERR2847667	AR00784 AR00786	A	192	192 cnl	0.98
57977 57979	ERR2847757	AR00786 AR00926	A	192	192 cnl	0.98
			A	192	192 cnl	0.98
57980 57091	ERR2847755	AR00946 AR00951	A	192	192 cnl	0.98
57981	ERR2847722		A	192	192 cnl	0.98
57983 57985	ERR2847441 ERR2847810	AR00917 AR00941	A A	192 192	192 cnl 192 cnl	0.98 0.98
		AR00941 AR00909				
57986 57987	ERR2847415 ERR2847748	AR00909 AR00981	A A	192 192	192 cnl 192 cnl	0.98 0.98
57988	ERR2847748	AR00981 AR00928	A	192	192 cml	0.98
57989	ERR2847497	AR00928 AR00910	A	192	192 cml	0.98
57990	ERR2847716	AR01045	A	192	192 cml	0.98
3,330	LIMEOT//10	, 11101043	^	152	132 CIII	5.50

57991	ERR2847581	AR00954	Α	192	192 cnl	0.98
57992	ERR2847654	AR00923	Α	192	192 cnl	0.98
57993	ERR2847732	AR00993	Α	192	192 cnl	0.98
57994	ERR2847593	AR01000	Α	192	192 cnl	0.98
57995	ERR2847465	AR01007	Α	192	192 cnl	0.98
57996	ERR2847718	AR01017	Α	192	192 cnl	0.96
57998	ERR2847436	AR01192	Α	192	192 cnl	0.98
57999	ERR2847513	AR01201	Α	192	192 cnl	0.98
58000	ERR2847605	AR01202	Α	192	192 cnl	0.97
58001	ERR2847787	AR01207	Α	192	192 cnl	0.98
58002	ERR2847754	AR01209	Α	192	192 cnl	0.98
58003	ERR2847632	AR01260	Α	192	192 cnl	0.98
60030	ERR2847613	AR01263	Α	192	192 cnl	0.98
60031	ERR2847555	AR01271	Α	192	192 cnl	0.98
60033	ERR2847519	AR01579	В	192	192 cnl	0.98
60035	ERR2847504	AR01595	В	192	192 cnl	0.98
60037	ERR2847614	AR01609	В	192	192 cnl	0.98
60038	ERR2847550	AR01617	В	192	192 cnl	0.98
60039	ERR2847399	AR01623	В	192	192 cnl	0.98
60041	ERR2847808	AR01683	В	192	192 cnl	0.98
60042	ERR2847466	AR01690	В	192	192 cnl	0.98
60043	ERR2847624	AR01696	В	192	192 cnl	0.98
60044	ERR2847664	AR01717	В	192	192 cnl	0.98
60045	ERR2847662	AR01718	В	192	192 cnl	0.98
60046	ERR2847499	AR01740	В	192	192 cnl	0.98
60047	ERR2847445	AR01742	В	192	192 cnl	0.98
60048	ERR2847463	AR01764	В	192	192 cnl	0.98
60050	ERR2847545	AR01768	В	192	192 cnl	0.98
60052	ERR2847813	AR01806	В	192	192 cnl	0.98
60053	ERR2847561	AR01848	В	192	192 cnl	0.98
60054	ERR2847637	AR01857	В	192	192 cnl	0.98
60055	ERR2847574	AR01883	В	192	192 cnl	0.96
60059	ERR2847820	AR02128	В	192	192 cnl	0.98
60062	ERR2847600	AR02163	В	192	192 cnl	0.98
60064	ERR2847520	AR02354	В	192	192 cnl	0.98
60065	ERR2847612	AR02675	В	192	192 cnl	0.96
60066	ERR2847736	AR02559	В	192	192 cnl	0.98
60067	ERR2847798	AR02565	В	192	192 cnl	0.98
60071	ERR2847596	AR02861	В	192	192 cnl	0.96
60072	ERR2847396	AR02866	В	192	192 cnl	0.96
60073	ERR2847359	AR02889	В	192	192 cnl	0.98
60075	ERR2847790	AR02931	В	192	192 cnl	0.98
60076	ERR2847351	AR02933	В	192	192 cnl	0.98
60077	ERR2847516	AR02940	В	192	192 cnl	0.98
60078	ERR2847737	AR02946	В	192	192 cnl	0.98
60079	ERR2847760	AR02967	В	192	192 cnl	0.98
60080	ERR2847358	AR02982	В	192	192 cnl	0.98
60081	ERR2847462	AR02991	В	192	192 cnl	0.96
60086	ERR2847585	AR03037	В	192	192 cnl	0.98
60087	ERR2847424	AR03038	В	192	192 cnl	0.98

60089	ERR2847536	AR03067	В	192	192 cnl	0.98
60090	ERR2847709	AR03082	В	192	192 cnl	0.98
60091	ERR2847595	AR03094	В	192	192 cnl	0.98
60093	ERR2847672	AR03114	В	192	192 cnl	0.98
60097	ERR2847586	AR03522	В	192	192 cnl	0.98
60107	ERR2847446	AR03604	В	192	192 cnl	0.98
60108	ERR2847357	AR03609	В	192	192 cnl	0.98
60110	ERR2847476	AR03615	В	192	192 cnl	0.98
60111	ERR2847756	AR03621	В	192	192 cnl	0.98
60112	ERR2847802	AR03622	В	192	192 cnl	0.98
60113	ERR2847779	AR03627	В	192	192 cnl	0.98
60114	ERR2847643	AR03631	В	192	192 cnl	0.98
60115	ERR2847647	AR03635	В	192	192 cnl	0.98
60116	ERR2847456	AR03662	В	192	192 cnl	0.98
60117	ERR2847622	AR03700	В	192	192 cnl	0.98
60118	ERR2847723	AR03706	В	192	192 cnl	0.98
60119	ERR2847501	AR03710	В	192	192 cnl	0.98
60120	ERR2847752	AR03739	В	192	192 cnl	0.98
60122	ERR2847795	AR03770	В	192	192 cnl	0.98
60123	ERR2847807	AR03776	В	192	192 cnl	0.98
60124	ERR2847569	AR03787	В	192	192 cnl	0.96
60126	ERR2847397	AR03792	В	192	192 cnl	0.96
60128	ERR2847479	AR03807	В	192	192 cnl	0.96
60129	ERR2847735	AR03812	В	192	192 cnl	0.98
60130	ERR2847565	AR03816	В	192	192 cnl	0.98
60131	ERR2847678	AR03820	В	192	192 cnl	0.98
60132	ERR2847599	AR03822	В	192	192 cnl	0.98
60136	ERR2847713	AR03499	В	192	192 cnl	0.98
60139	ERR2847380	AR03864	В	192	192 cnl	0.98
60140	ERR2847816	AR03872	В	192	192 cnl	0.98
60142	ERR2847666	AR03920	С	192	192 cnl	0.98
60144	ERR2847687	AR03951	С	192	192 cnl	0.98
60145	ERR2847491	AR03953	С	192	192 cnl	0.98
60146	ERR2847686	AR03978	С	192	192 cnl	0.98
60148	ERR2847548	AR04097	С	192	192 cnl	0.98
60149	ERR2847475	AR04102	С	192	192 cnl	0.98
60150	ERR2847557	AR04103	С	192	192 cnl	0.98
60151	ERR2847493	AR04114	С	192	192 cnl	0.98
60152	ERR2847694	AR04116	С	192	192 cnl	0.98
60153	ERR2847372	AR04117	С	192	192 cnl	0.98
60154	ERR2847770	AR04122	С	192	192 cnl	0.98
60155	ERR2847638	AR04131	С	192	192 cnl	0.98
60156	ERR2847503	AR04132	С	192	192 cnl	0.98
60157	ERR2847771	AR04133	С	192	192 cnl	0.98
60159	ERR2847603	AR04160	С	192	192 cnl	0.98
60160	ERR2847684	AR04162	С	192	192 cnl	0.98
60162	ERR2847626	AR04176	С	192	192 cnl	0.98
60165	ERR2847675	AR04208	С	192	192 cnl	0.98
60166	ERR2847617	AR04213	С	192	192 cnl	0.98
60167	ERR2847435	AR04215	С	192	192 cnl	0.98
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60168	ERR2847437	AR04242	С	192	192 cnl	0.96
60169	ERR2847528	AR03983	С	192	192 cnl	0.98
60171	ERR2847655	AR04244	С	192	192 cnl	0.98
60172	ERR2847796	AR04456	С	192	192 cnl	0.98
60174	ERR2847608	AR04468	С	192	192 cnl	0.98
60175	ERR2847642	AR04469	С	192	192 cnl	0.98
60176	ERR2847815	AR04472	С	192	192 cnl	0.98
60180	ERR2847676	AR04506	С	192	192 cnl	0.98
60204	ERR2847659	AR04363	С	192	192 cnl	0.98
60207	ERR2847408	AR04597	С	192	192 cnl	0.98
60209	ERR2847365	AR04661	С	192	192 cnl	0.98
60210	ERR2847819	AR04662	С	192	192 cnl	0.98
60212	ERR2847714	AR04693	С	192	192 cnl	0.96
60213	ERR2847745	AR04706	С	192	192 cnl	0.98
60214	ERR2847691	AR04707	С	192	192 cnl	0.98
60215	ERR2847478	AR04709	С	192	192 cnl	0.98
60217	ERR2847772	AR04732	С	192	192 cnl	0.98
60219	ERR2847531	AR04775	С	192	192 cnl	0.98
60222	ERR2847559	AR04816	С	192	192 cnl	0.96
60225	ERR2847640	AR04859	С	192	192 cnl	0.96
60233	ERR2847353	AR07702	D	192	192 cnl	0.98
60234	ERR2847629	AR04890	С	192	192 cnl	0.98
60235	ERR2847799	AR05064	С	192	192 cnl	0.98
60236	ERR2847568	AR05065	С	192	192 cnl	0.98
60238	ERR2847824	AR05072	С	192	192 cnl	0.98
60239	ERR2847641	AR05100	С	192	192 cnl	0.98
60240	ERR2847356	AR05106	С	192	192 cnl	0.98
60241	ERR2847386	AR05204	С	192	192 cnl	0.98
60242	ERR2847460	AR05220	С	192	192 cnl	0.98
60243	ERR2847523	AR05233	С	192	192 cnl	0.98
60244	ERR2847542	AR05235	С	192	192 cnl	0.98
60245	ERR2847535	AR05236	С	192	192 cnl	0.98
60247	ERR2847594	AR05259	С	192	192 cnl	0.98
60249	ERR2847378	AR05298	С	192	192 cnl	0.98
60250	ERR2847717	AR05301	С	192	192 cnl	0.98
60251	ERR2847524	AR05309	С	192	192 cnl	0.98
60252	ERR2847452	AR05311	С	192	192 cnl	0.98
60253	ERR2847797	AR05337	С	192	192 cnl	0.98
60254	ERR2847738	AR05343	С	192	192 cnl	0.98
60257	ERR2847402	AR05576	С	192	192 cnl	0.98
60259	ERR2847699	AR05578	С	192	192 cnl	0.98
60260	ERR2847601	AR05601	С	192	192 cnl	0.98
60262	ERR2847764	AR05765	С	192	192 cnl	0.98
60263	ERR2847673	AR05796	С	192	192 cnl	0.98
60267	ERR2847512	AR05896	С	192	192 cnl	0.98
60268	ERR2847597	AR05899	С	192	192 cnl	0.98
60274	ERR2847451	AR06633	D	192	192 cnl	0.98
60278	ERR2847370	AR06867	D	192	192 cnl	0.98
60282	ERR2847696	AR06919	D	192	192 cnl	0.98
60283	ERR2847721	AR06953	D	192	192 cnl	0.98

60285	ERR2847496	AR06997	D	192	192 cnl	0.98
60296	ERR2847395	AR04359	С	192	192 cnl	0.98
60297	ERR2847583	AR04521	С	192	192 cnl	0.98
60298	ERR2847350	AR04573	С	192	192 cnl	0.98
60300	ERR2847782	AR04839	С	192	192 cnl	0.98
60304	ERR2847364	AR05007	С	192	192 cnl	0.98
60305	ERR2847470	AR05079	С	192	192 cnl	0.98
60307	ERR2847409	AR05227	С	192	192 cnl	0.98
60311	ERR2847381	AR07154	С	192	192 cnl	0.98
60316	ERR2847681	AR01022	Α	192	192 cnl	0.98
60318	ERR2847657	AR01691	В	192	192 cnl	0.98
60320	ERR2847724	AR02932	В	192	192 cnl	0.98
60321	ERR2847394	AR03134	В	192	192 cnl	0.96
60322	ERR2847366	AR03645	В	192	192 cnl	0.98
60324	ERR2847712	AR03777	В	192	192 cnl	0.98
60325	ERR2847639	AR03778	В	192	192 cnl	0.96
60328	ERR2847750	AR05830	С	192	192 cnl	0.98
60332	ERR2847658	AR05916	С	11642	192 cnl	0.98
60333	ERR2847762	AR05928	С	192	192 cnl	0.98
60335	ERR2847391	AR05941	С	192	192 cnl	0.98
60336	ERR2847695	AR05950	С	192	192 cnl	0.98
60337	ERR2847680	AR05958	С	192	192 cnl	0.98
60338	ERR2847411	AR05962	С	192	192 cnl	0.98
60339	ERR2847385	AR05969	С	11598	192 cnl	0.98
60340	ERR2847382	AR05990	С	192	192 cnl	0.98
60341	ERR2847744	AR06000	С	192	192 cnl	0.98
60345	ERR2847563	AR06056	D	192	192 cnl	0.98
60348	ERR2847801	AR00041	Α	192	192 cnl	0.98
60349	ERR2847705	AR00058	Α	192	192 cnl	0.98
60350	ERR2847387	AR00228	Α	192	192 cnl	0.98
60351	ERR2847511	AR00492	Α	192	192 cnl	0.98
60352	ERR2847525	AR00742	Α	192	192 cnl	0.98
60355	ERR2847464	AR02966	В	192	192 cnl	0.98
60356	ERR2847423	AR03497	В	192	192 cnl	0.98
60358	ERR2847668	AR03610	В	192	192 cnl	0.98
60361	ERR2847575	AR04668	С	192	192 cnl	0.98
60364	ERR2847623	AR05175	С	192	192 cnl	0.98
60366	ERR2847669	AR05234	С	192	192 cnl	0.98
60367	ERR2847457	AR05342	С	192	192 cnl	0.98
60369	ERR2847459	AR05678	С	192	192 cnl	0.98
60374	ERR2847621	AR05772	С	192	192 cnl	0.98
60375	ERR2847376	AR05791	С	192	192 cnl	0.98
60376	ERR2847488	AR05878	С	192	192 cnl	0.98
60377	ERR2847606	AR05879	С	192	192 cnl	0.98
60378	ERR2847461	AR05609	С	192	192 cnl	0.98
60379	ERR2847537	AR05626	С	192	192 cnl	0.96
60380	ERR2847374	AR05634	С	192	192 cnl	0.98
60381	ERR2847454	AR05638	С	192	192 cnl	0.98
60382	ERR2847482	AR05640	С	192	192 cnl	0.98
60383	ERR2847450	AR05641	С	192	192 cnl	0.98

60004	EDD2047700	4005650	_	400	400		
60384	ERR2847789			192		cnl 0.98	
60385	ERR2847401		C	192	192		
60386	ERR2847567		C	192	192		
60388	ERR2847649		C	192	192		
60389	ERR2847630		С	192	192		
60391	ERR2847502		С	192	192		
60392	ERR2847345		С	192	192		
60393	ERR2847682		D	192	192		
60397	ERR2847375		D	192	192		
60400	ERR2847769		D	192	192		
60401	ERR2847803	AR06851	D	192	192	cnl 0.98	
60402	ERR2847349	AR07088	С	192	192	cnl 0.98	
60409	ERR2847432	AR00107	Α	192	192	cnl 0.98	
60410	ERR2847473	AR01252	Α	192	192	cnl 0.98	
60412	ERR2847398	AR05623	С	192	192	cnl 0.98	
60419	ERR2847573	AR07222	С	192	192	cnl 0.97	,
61208	ERR2847661	AR04337	С	192	192	cnl 0.98	
61209	ERR2847509	AR04344	С	192	192	cnl 0.98	
61213	ERR2847467	AR04411	С	192	192	cnl 0.98	
61214	ERR2847780	AR04430	С	192	192	cnl 0.98	
61215	ERR2847440	AR04431	С	192	192	cnl 0.98	
61216	ERR2847449	AR04441	С	192	192	cnl 0.98	
61217	ERR2847377	AR04445	С	192	192	cnl 0.98	
61220	ERR2847518	AR04473	С	192	192	cnl 0.98	
60049	ERR2847481	AR01767	В	198	198	cnl 0.96	
60095	ERR2847587	AR03165	В	198	198	cnl 0.96	
60096	ERR2847660	AR03204	В	198	198	cnl 0.94	
60104	ERR2847781	AR03583	В	11741	198	cnl 0.94	
60277	ERR2847420	AR06696	D	11741	198	cnl 0.94	
60290	ERR2847507	AR07487	D	198	198)
60396	ERR2847434		D	11741	198		
60069	ERR2847508		В				truncated csxA
60221	ERR2847652		С		•	X 0.98	
60224	ERR2847812	AR04857	С		•	X 0.98	
60264	ERR2847529		C		•	X 0.98	
60302	ERR2847521		C		-	X 0.98	
60327	ERR2847590		C		-	X 0.98	
60363	ERR2847765		C		-	X 0.98	
60365	ERR2847616		C		-	X 0.98	
57326	ERR2847410		A	2075	53		
57337	ERR2847546		Α	2075	53		
57343	ERR2847743		Α	2075	53		
57347	ERR2847698		Α	2075	53		
57357	ERR2847447		Α	2075	53		
57363	ERR2847821		Α	2075	53		
60099	ERR2847369		В	2075	53		
60211	ERR2847354		C	2075	53		
57318	ERR2847429		A	2880	167		
57331	ERR2847532		A	2880	167		
57978	ERR2847710		A	2880	167		
37370	2111120-7//10	7.11.00023	/ \	2000	107	. 1.00	

57997	ERR2847405	AR01096	Α	2880	167 Y	1.00
60040	ERR2847703	AR01632	В	2880	167 Y	1.00
60061	ERR2847426	AR02148	В	2880	167 Y	1.00
60133	ERR2847778	AR03469	В	2880	167 Y	1.00
60137	ERR2847430	AR03832	В	2880	167 Y	0.98
60256	ERR2847421	AR05574	С	2880	167 Y	1.00
60279	ERR2847407	AR06891	D	2880	167 Y	1.00
60281	ERR2847444	AR06911	D	2880	167 Y	1.00
60323	ERR2847505	AR03733	В	2880	167 Y	1.00
60359	ERR2847665	AR04108	С	2880	167 Y	1.00
60368	ERR2847515	AR05676	С	2880	167 Y	1.00
60371	ERR2847775	AR05691	С	2880	167 Y	1.00
60372	ERR2847544	AR05726	С	2880	167 Y	1.00
60414	ERR2847455	AR05692	С	2880	167 Y	1.00
57377	ERR2847733	AR00773	Α	11372	181 X	1.00
60051	ERR2847413	AR01788	В	11372	181 X	0.98
60056	ERR2847390	AR01997	В	11372	181 X	1.00
60082	ERR2847468	AR03004	В	11372	181 X	1.00
60083	ERR2847598	AR03005	В	11372	181 X	1.00
60084	ERR2847495	AR03006	В	11372	181 X	1.00
60085	ERR2847484	AR03027	В	11372	181 X	1.00
60088	ERR2847427	AR03066	В	11372	181 X	1.00
60102	ERR2847731	AR03467	В	11372	181 X	1.00 del ctrABCD
60103	ERR2847679	AR03579	В	11372	181 X	1.00
60105	ERR2847690	AR03585	В	11372	181 X	1.00 truncated csxC
60141	ERR2847631	AR03881	В	11372	181 X	1.00
60173	ERR2847648	AR04459	С	11372	181 X	1.00
60177	ERR2847485	AR04497	С	11372	181 X	1.00
60178	ERR2847393	AR04498	С	11372	181 X	1.00
60179	ERR2847578	AR04499	С	11372	181 X	1.00
60181	ERR2847517	AR04538	С	11372	181 X	1.00
60182	ERR2847814	AR04575	С	11372	181 X	1.00
60218	ERR2847627	AR04759	С	11372	181 X	1.00
60227	ERR2847589	AR04873	С	11372	181 X	1.00
60232	ERR2847634	AR07672	D	11372	181 X	1.00
60255	ERR2847729	AR05567	С	11372	181 X	1.00
60269	ERR2847728	AR06069	D	11372	181 X	1.00
60271	ERR2847388	AR06384	D	11372	181 X	1.00
60272	ERR2847685	AR06385	D	11372	181 X	1.00 del csxA
60275	ERR2847618	AR06637	D	11372	181 X	1.00
60276	ERR2847811	AR06686	D	11372	181 X	1.00
60288	ERR2847645	AR07436	D	11372	181 X	1.00
60292	ERR2847539	AR07550	D	11372	181 X	1.00
60293	ERR2847577	AR07556	D	11372	181 X	1.00
60299	ERR2847490	AR04607	С	11372	181 X	1.00
60301	ERR2847534	AR04843	С	11372	181 X	1.00
60303	ERR2847530	AR04961	С	11372	181 X	1.00
60326	ERR2847553	AR03794	В	11372	181 X	1.00
60331	ERR2847416	AR05911	С	11372	181 X	1.00
60334	ERR2847704	AR05932	С	11372	181 X	1.00

60343	ERR2847471	AR06022	С	11372	181	Χ	1.00
60346	ERR2847805	AR06066	D	11372	181	Χ	1.00
60353	ERR2847730	AR00962	Α	11372	181	Χ	0.92
60394	ERR2847683	AR06528	D	11372	181	Χ	1.00
60399	ERR2847549	AR06775	D	11372	181	Χ	1.00
60404	ERR2847628	AR07160	С	11372	181	Χ	1.00
60415	ERR2847636	AR06573	D	11372	181	Χ	1.00
60416	ERR2847727	AR06758	D	11372	181	Χ	1.00
60418	ERR2847751	AR07123	С	11372	181	Χ	1.00
61199	ERR2847489	AR04263	С	11372	181	Χ	1.00 truncated csxA
61218	ERR2847500	AR04454	С	11372	181	Χ	1.00
61219	ERR2847564	AR04455	С	11372	181	Χ	1.00
61221	ERR2847371	AR04500	С	11372	181	Χ	0.97
60163	ERR2847541	AR04181	С	11587	11587	cnl	0.92
60228	ERR2847708	AR04888	С	11592	103	С	0.94
60387	ERR2847404	AR05862	С	11592	103	С	0.94
60395	ERR2847556	AR06559	D	11592	103	С	0.94
60273	ERR2847741	AR06631	D	11593	11593	cnl	0.94
60258	ERR2847720	AR05577	С	11595	11595	cnl	0.9
60306	ERR2847576	AR05104	С	11595	11595	cnl	0.9
60313	ERR2847635	AR04739	С	11595	11595	cnl	0.9
60315	ERR2847674	AR04786	С	11595	11595	cnl	0.9
60406	ERR2847442	AR07194	С	11595	11595	cnl	0.9
60370	ERR2847749	AR05679	С	11597	11597	cnl	0.92
60413	ERR2847477	AR05683	С	11597	11597	cnl	0.92
60229	ERR2847582	AR07320	D	11617	11617	cnl	0.96
60286	ERR2847823	AR07230	D	11617	11617	cnl	0.96
60223	ERR2847360	AR04828	С	11638			0.94
60280	ERR2847514	AR06897	D	11638	11638	cnl	0.94
56376	ERR2847414	OL24904	BF	192	192	cnl	1.00 ST-192 outgroup
44922	ERR2847792	AR1258_T2	E	NA	NA	NA	0.78 N. lactamica outgroup

ST1 – Strains sequenced as part of this study, including BIGS identifiers (ID), ENA accession numbers, strain names, site of sampling (Kebele, anonymized to A, B, C and D, with E being Ethiopia and BF being Burkina Faso), ST, clonal complex (cc), capsule type (*cnl* = capsule null, dash is non-groupable), *Neisseria meningitidis* rMLST identity, and a comment field, which includes info on outgroups (two strains), truncated capsule genes, which capsule genes are present (for the non-groupable) and putatively identified contamination.

Start 281 248	Stop 284 416		NEIS NEIS0580 NEIS0581 NEIS0582 NEIS0583 NEIS0584	Product argininosuccinate lyase (argH) glucose 1-phosphate uridylyltransferase (galU) putative deoxyribonucleotide triphosphate pyrophosphatase hypothetical protein inorganic pyrophosphatase
550 039	553 915	280	NEIS0922	5-methyltetrahydropteroyltriglutamate homocysteine S-methyltransferase Antioxidant <i>AhpC</i> TSA family glutaredoxin
817 076	818 423	14	NEIS1201	Hypothetical protein
1 201 698	1 210 600	280	NEIS1552 NEIS1553 NEIS1554 NEIS1555 NEIS1556 NEIS1557	Hypothetical Lipid A phosphoethanolamine transferase (<i>lptA</i>) phosphoserine aminotransferase (<i>serC</i>) Hypothetical transcription elongation factor <i>NusA</i> translation initiation factor IF-2
1 268 266	1 271 180	280	NEIS1606 NEIS1607 NEIS1608	L-asparaginase DedA family integral membrane protein phosphoglucosamine mutase
1 349 043	1 359 255	280	NEIS1690 NEIS1692 NEIS1693 NEIS1694 NEIS1695 NEIS1697	Transferrin binding protein A - iron acquisition from transferrin (<i>tbpA</i>) glutamate racemase hypothetical protein N-acetylmuramoyl-L-alanine amidase hypothetical protein hypothetical protein
1 455 581	1 455 668	1	NEIS1806	zinc-binding protein
1 484 192	1 487 684	280	NEIS1838 NEIS1839 NEIS1841 NEIS1842 NEIS1844	type IV biogenesis protein ($pilG$) type IV prepilin like protein leader peptide processing enzyme ($pilD$) hypothetical protein Hypothetical type IV biogenesis protein ($pilF$)
1 509 299	1 509 342	1	None	
1 626 438	1 628 646	280	NEIS0190 NEIS3161 NEIS0187	ribosomal large subunit pseudouridine synthase hypothetical protein ribonuclease E
1 663 616	1 663 661	2	NEIS0158	DNA-directed RNA polymerase subunit alpha
1 663 616	1 663 661	1	NEIS0158	DNA-directed RNA polymerase subunit alpha
1 676 911	1 677 193	1	None	
1 746 557	1 749 359	3	NEIS0037 NEIS0036 NEIS0035	hypothetical protein type IV pilus retraction ATPase PilT (<i>pilT1</i>) PilT-like protein (<i>pilU</i>)
1 746 557	1 749 359	1	NEIS0037 NEIS0036 NEIS0035	hypothetical protein type IV pilus retraction ATPase PilT (<i>pilT1</i>) PilT-like protein (<i>pilU</i>)
1 747 385	1 747 401	1	NEIS0036	type IV pilus retraction ATPase PilT (pilT1)

ST2 – Recombination fragments identified within ST-192, with start and stop coordinates according to the 2 064 402 nt wholegenome alignment, number of strains that had the recombination, and which genes were involved.