

FIGURE S1. Effect of bacterial free supernatants on inflammatory cytokines and myeloperoxidase (MPO) activity in the ligated murine ileal model. Samples from ligated ileal groups prepared as indicated in figure 3 legend were processed for determination of MPO activity (A) or immunoenzymatic quantification of IL-6 (B), TNF-a (C) or IL-1b (D). $^*P < 0.05$, compared to the groups without asterisk (One-way ANOVA with Bonferroni's correction).

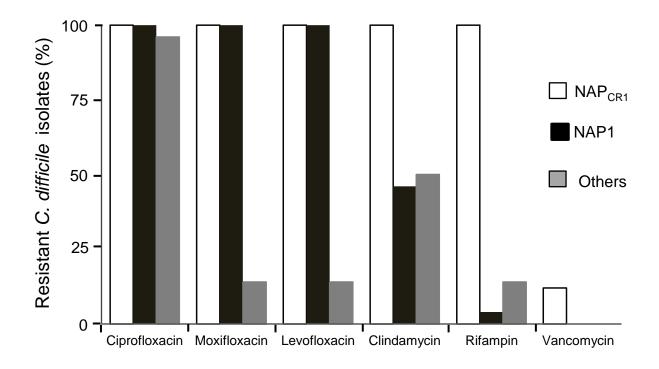


FIGURE S2 Antimicrobial resistance profile of the *C. difficile* genotypes identified during the outbreak. The 57 strains were divided in three groups: NAP_{CR1} (n=18), NAP1 (n=26) and other genotypes (n=13). Antibiotic susceptibility test was determined by agar dilution. The percentage of resistant strains in each group is indicated.

TABLE S1. Comparison of genomic features of a representative NAP_{CR1} strain and CD630. Counts indicate the number of genes assigned to each category of functional roles.

Subsystem Feature*	Counts	
	NAP _{CR1}	630
Phages, Prophages, Transposable elements, Plasmids	55	34
DNA Metabolism	130	116
Cell Wall and Capsule	150	150
Virulence, Disease and Defense	100	100
Potassium metabolism	12	12
Miscellaneous	11	11
Cofactors, Vitamins, Prosthetic Groups, Pigments	252	249
Membrane Transport	54	68
Iron acquisition and metabolism	32	31
RNA Metabolism	105	102
Nucleosides and Nucleotides	150	146
Protein Metabolism	248	249
Cell Division and Cell Cycle	44	41
Motility and Chemotaxis	68	68
Regulation and Cell signaling	31	24
Fatty Acids, Lipids, and Isoprenoids	95	95
Nitrogen Metabolism	9	9
Dormancy and Sporulation	68	68
Respiration	80	80
Stress Response	64	68
Metabolism of Aromatic Compounds	11	11
Amino Acids and Derivatives	297	301
Sulfur Metabolism	24	24
Phosphorus Metabolism	45	43
Carbohydrates	422	427

^{*}Details for subsystem and functional role assignment for the genes of each strain using SEED and RAST

servers are listed in Materials and Methods.

TABLE S2. Genes in NAP_{CR} that are not found in *C. difficile* 630 strain by genomic comparison

Gene ID	Protein length	Contig	Function
fig 1496.572.peg.8	43	1	hypothetical protein
fig 1496.572.peg.38	38		hypothetical protein
fig 1496.572.peg.46	49		hypothetical protein
fig 1496.572.peg.73	54		FIG00516771: hypothetical protein
fig 1496.572.peg.139	41		hypothetical protein
fig 1496.572.peg.231	40		hypothetical protein
fig 1496.572.peg.242	83		hypothetical protein
fig 1496.572.peg.248	51		hypothetical protein
fig 1496.572.peg.294	50		hypothetical protein
fig 1496.572.peg.374	52		FIG00513157: hypothetical protein
fig 1496.572.peg.400	39		hypothetical protein
fig 1496.572.peg.441	39		hypothetical protein
fig 1496.572.peg.460	53		FIG00517932: hypothetical protein
fig 1496.572.peg.490	39		hypothetical protein
fig 1496.572.peg.629	105	2	FIG00528816: hypothetical protein
fig 1496.572.peg.635	138		Recombinase
fig 1496.572.peg.637	290		FIG00630629: hypothetical protein
fig 1496.572.peg.639	303		putative aminoglycoside 6-adenylyltansferase
fig 1496.572.peg.641	265		Aminoglycoside phosphotransferase
fig 1496.572.peg.643	220		5-amino-6-(5-phosphoribosylamino)uracil reductase (EC 1.1.1.193)
fig 1496.572.peg.645	124		hypothetical protein
fig 1496.572.peg.646	150		hypothetical protein
fig 1496.572.peg.647	48		hypothetical protein
fig 1496.572.peg.648	89		Iron-dependent repressor IdeR/DtxR
fig 1496.572.peg.651	49		hypothetical protein

fig 1496.572.peg.652	99	hypothetical protein
fig 1496.572.peg.653	229	hypothetical protein
fig 1496.572.peg.656	238	hypothetical protein
fig 1496.572.peg.658	60	hypothetical protein
fig 1496.572.peg.659	200	hypothetical protein
fig 1496.572.peg.661	72	hypothetical protein
fig 1496.572.peg.663	60	hypothetical protein
fig 1496.572.peg.664	64	hypothetical protein
fig 1496.572.peg.670	41	hypothetical protein
fig 1496.572.peg.672	63	FIG00514266: hypothetical protein
fig 1496.572.peg.677	99	FIG00521858: hypothetical protein
fig 1496.572.peg.678	204	hypothetical protein
fig 1496.572.peg.679	162	ADP-heptose synthase (EC 2.7) / D-glycero-beta-D-manno-heptose 7-phosphate kinase
fig 1496.572.peg.687	53	hypothetical protein
fig 1496.572.peg.688	110	hypothetical protein
fig 1496.572.peg.689	200	Chromosome (plasmid) partitioning protein ParB
fig 1496.572.peg.695	99	hypothetical protein
fig 1496.572.peg.523	78	hypothetical protein
fig 1496.572.peg.525	109	hypothetical protein
fig 1496.572.peg.581	40	hypothetical protein
fig 1496.572.peg.592	45	hypothetical protein
fig 1496.572.peg.596	66	hypothetical protein
fig 1496.572.peg.597	57	hypothetical protein
fig 1496.572.peg.599	46	hypothetical protein
fig 1496.572.peg.600	56	Transcriptional regulator
fig 1496.572.peg.601	59	Phage protein
fig 1496.572.peg.606	40	hypothetical protein
fig 1496.572.peg.607	82	hypothetical protein
fig 1496.572.peg.618	53	hypothetical protein

fig 1496.572.peg.620	42	hypothetical protein
fig 1496.572.peg.624	80	hypothetical protein
fig 1496.572.peg.627	38	hypothetical protein
fig 1496.572.peg.764	48	3 hypothetical protein
fig 1496.572.peg.798	48	hypothetical protein
fig 1496.572.peg.822	65	hypothetical protein
fig 1496.572.peg.922	48	4 FIG00520514: hypothetical protein
fig 1496.572.peg.959	43	hypothetical protein
11g/1470.372.pcg.737	43	nypomeneur protein
fig 1496.572.peg.1021	38	5 hypothetical protein
fig 1496.572.peg.1059	52	FIG00527335: hypothetical protein
fig 1496.572.peg.1063	43	hypothetical protein
fig 1496.572.peg.1190	38	6 hypothetical protein
fig 1496.572.peg.1242	40	hypothetical protein
81- 12 000 1-1F -81 1-		
fig 1496.572.peg.1266	40	7 hypothetical protein
fig 1496.572.peg.1270	237	hypothetical protein
fig 1496.572.peg.1271	387	hypothetical protein
fig 1496.572.peg.1275	53	hypothetical protein
fig 1496.572.peg.1276	96	hypothetical protein
fig 1496.572.peg.1277	120	hypothetical protein
fig 1496.572.peg.1282	146	hypothetical protein
fig 1496.572.peg.1283	150	hypothetical protein
fig 1496.572.peg.1284	268	Phage protein
fig 1496.572.peg.1285	273	Phage protein
fig 1496.572.peg.1286	268	hypothetical protein

fig 1496.572.peg.1287	165	hypothetical protein
fig 1496.572.peg.1288	331	hypothetical protein
fig 1496.572.peg.1289	212	hypothetical protein
fig 1496.572.peg.1290	198	hypothetical protein
fig 1496.572.peg.1290	324	hypothetical protein
	163	• • • • • • • • • • • • • • • • • • • •
fig 1496.572.peg.1292		hypothetical protein
fig 1496.572.peg.1294	76	hypothetical protein
fig 1496.572.peg.1295	495	hypothetical protein
fig 1496.572.peg.1296	591	unknown
fig 1496.572.peg.1297	287	unknown
fig 1496.572.peg.1298	398	Phage protein
fig 1496.572.peg.1299	63	hypothetical protein
fig 1496.572.peg.1300	206	hypothetical protein
fig 1496.572.peg.1301	185	hypothetical protein
fig 1496.572.peg.1302	211	hypothetical protein
fig 1496.572.peg.1303	102	hypothetical protein
fig 1496.572.peg.1304	401	hypothetical protein
fig 1496.572.peg.1305	65	hypothetical protein
fig 1496.572.peg.1306	80	hypothetical protein
fig 1496.572.peg.1307	209	hypothetical protein
fig 1496.572.peg.1308	315	hypothetical protein
fig 1496.572.peg.1309	46	hypothetical protein
fig 1496.572.peg.1313	63	hypothetical protein
fig 1496.572.peg.1314	86	hypothetical protein
fig 1496.572.peg.1315	47	hypothetical protein
fig 1496.572.peg.1316	115	hypothetical protein
fig 1496.572.peg.1317	79	hypothetical protein
fig 1496.572.peg.1319	113	hypothetical protein
fig 1496.572.peg.1320	195	hypothetical protein

fig 1496.572.peg.1321	162	hypothetical protein
fig 1496.572.peg.1322	39	hypothetical protein
fig 1496.572.peg.1323	361	hypothetical protein
fig 1496.572.peg.1324	169	hypothetical protein
fig 1496.572.peg.1325	101	hypothetical protein
fig 1496.572.peg.1326	111	hypothetical protein
fig 1496.572.peg.1327	178	hypothetical protein
fig 1496.572.peg.1328	175	hypothetical protein
fig 1496.572.peg.1331	58	hypothetical protein
fig 1496.572.peg.1332	123	Death on curing protein, Doc toxin
fig 1496.572.peg.1334	298	hypothetical protein
fig 1496.572.peg.1335	113	hypothetical protein
fig 1496.572.peg.1336	47	hypothetical protein
fig 1496.572.peg.1337	78	hypothetical protein
fig 1496.572.peg.1338	138	hypothetical protein
fig 1496.572.peg.1339	65	hypothetical protein
fig 1496.572.peg.1340	39	hypothetical protein
fig 1496.572.peg.1341	181	RNA:NAD 2'-phosphotransferase
fig 1496.572.peg.1342	109	hypothetical protein
fig 1496.572.peg.1344	49	hypothetical protein
fig 1496.572.peg.1345	62	hypothetical protein
fig 1496.572.peg.1346	428	DNA ligase (ATP) (EC 6.5.1.1)
fig 1496.572.peg.1347	67	hypothetical protein
fig 1496.572.peg.1348	196	hypothetical protein
fig 1496.572.peg.1349	63	hypothetical protein
fig 1496.572.peg.1350	337	hypothetical protein
fig 1496.572.peg.1351	132	hypothetical protein
fig 1496.572.peg.1352	179	hypothetical protein
fig 1496.572.peg.1353	123	hypothetical protein

fig 1496.572.peg.1354	95	hypothetical protein
fig 1496.572.peg.1355	115	hypothetical protein
fig 1496.572.peg.1356	41	hypothetical protein
fig 1496.572.peg.1357	156	hypothetical protein
fig 1496.572.peg.1358	127	hypothetical protein
fig 1496.572.peg.1359	149	hypothetical protein
fig 1496.572.peg.1360	55	hypothetical protein
fig 1496.572.peg.1361	117	hypothetical protein
fig 1496.572.peg.1362	156	hypothetical protein
fig 1496.572.peg.1363	120	hypothetical protein
fig 1496.572.peg.1365	60	hypothetical protein
fig 1496.572.peg.1366	51	hypothetical protein
fig 1496.572.peg.1367	121	hypothetical protein
fig 1496.572.peg.1368	77	hypothetical protein
fig 1496.572.peg.1369	59	hypothetical protein
fig 1496.572.peg.1370	70	hypothetical protein
fig 1496.572.peg.1371	61	hypothetical protein
fig 1496.572.peg.1372	117	hypothetical protein
fig 1496.572.peg.1373	106	hypothetical protein
fig 1496.572.peg.1374	95	hypothetical protein
fig 1496.572.peg.1375	56	hypothetical protein
fig 1496.572.peg.1376	45	hypothetical protein
fig 1496.572.peg.1377	109	hypothetical protein
fig 1496.572.peg.1378	201	COG0030: Dimethyladenosine transferase (rRNA methylation)
fig 1496.572.peg.1379	70	hypothetical protein
fig 1496.572.peg.1380	84	hypothetical protein
fig 1496.572.peg.1382	374	Phage protein
fig 1496.572.peg.1383	144	hypothetical protein
fig 1496.572.peg.1384	52	hypothetical protein

fig 1496.572.peg.1386	222	hypothetical protein
fig 1496.572.peg.1387	57	hypothetical protein
fig 1496.572.peg.1388	282	hypothetical protein
fig 1496.572.peg.1389	192	Phage-associated recombinase
fig 1496.572.peg.1390	186	hypothetical protein
fig 1496.572.peg.1391	531	hypothetical protein
fig 1496.572.peg.1392	38	hypothetical protein
fig 1496.572.peg.1393	259	Phage toprim domain containing protein, YorJ B.subtilis homolog
fig 1496.572.peg.1396	101	hypothetical protein
fig 1496.572.peg.1397	380	hypothetical protein
fig 1496.572.peg.1399	125	hypothetical protein
fig 1496.572.peg.1400	44	hypothetical protein
fig 1496.572.peg.1401	82	hypothetical protein
fig 1496.572.peg.1402	178	hypothetical protein
fig 1496.572.peg.1403	269	hypothetical protein
fig 1496.572.peg.1404	51	hypothetical protein
fig 1496.572.peg.1405	65	hypothetical protein
fig 1496.572.peg.1406	209	serine/threonine protein phosphatase
fig 1496.572.peg.1407	85	hypothetical protein
fig 1496.572.peg.1408	95	hypothetical protein
fig 1496.572.peg.1409	270	Adenine-specific methyltransferase (EC 2.1.1.72)
fig 1496.572.peg.1410	121	hypothetical protein
fig 1496.572.peg.1411	191	Guanylate kinase (EC 2.7.4.8)
fig 1496.572.peg.1412	165	Crossover junction endodeoxyribonuclease RuvC (EC 3.1.22.4)
fig 1496.572.peg.1414	40	hypothetical protein
fig 1496.572.peg.1415	437	Il-IS_2, transposase # fragment
fig 1496.572.peg.1416	281	hypothetical protein
fig 1496.572.peg.1418	615	hypothetical protein
fig 1496.572.peg.1419	44	hypothetical protein

fig 1496.572.peg.1420	74	hypothetical protein
fig 1496.572.peg.1425	104	hypothetical protein
fig 1496.572.peg.1436	52	hypothetical protein
fig 1496.572.peg.1437	643	hypothetical protein
fig 1496.572.peg.1439	52	hypothetical protein
fig 1496.572.peg.1444	52 8	FIG00519437: hypothetical protein
fig 1496.572.peg.1447	40	hypothetical protein
fig 1496.572.peg.1465	50	FIG00520773: hypothetical protein
fig 1496.572.peg.1497	40	hypothetical protein
fig 1496.572.peg.1658	43 10	hypothetical protein
fig 1496.572.peg.1682	39	hypothetical protein
fig 1496.572.peg.1690	45	hypothetical protein
fig 1496.572.peg.1692	45	hypothetical protein
fig 1496.572.peg.1754	93 11	hypothetical protein
fig 1496.572.peg.1776	40	hypothetical protein
fig 1496.572.peg.1786	43	hypothetical protein
fig 1496.572.peg.1787	40	hypothetical protein
fig 1496.572.peg.1795	40	hypothetical protein
fig 1496.572.peg.1799	44	hypothetical protein
fig 1496.572.peg.1800	154	FIG00513238: hypothetical protein
fig 1496.572.peg.1825	45 12	hypothetical protein
fig 1496.572.peg.1856	48	hypothetical protein
fig 1496.572.peg.1868	43	hypothetical protein
fig 1496.572.peg.1903	49	hypothetical protein
fig 1496.572.peg.1918	41	hypothetical protein

fig 1496.572.peg.1933	38		hypothetical protein
fig 1496.572.peg.1935	54		FIG00520743: hypothetical protein
fig 1496.572.peg.1953	46		hypothetical protein
fig 1496.572.peg.1966	43		hypothetical protein
fig 1496.572.peg.2062	65		hypothetical protein
fig 1496.572.peg.2067	134		hypothetical protein
fig 1496.572.peg.2083	42		hypothetical protein
fig 1496.572.peg.2098	48		hypothetical protein
fig 1496.572.peg.2100	57		hypothetical protein
fig 1496.572.peg.2112	51		hypothetical protein
fig 1496.572.peg.2213	50	13	hypothetical protein
fig 1496.572.peg.2252	39	14	hypothetical protein
fig 1496.572.peg.2259	188		FIG00517580: hypothetical protein
fig 1496.572.peg.2285	53	15	Transcriptional regulator
fig 1496.572.peg.2286	57		Phage protein
fig 1496.572.peg.2287	48		hypothetical protein
fig 1496.572.peg.2289	39		hypothetical protein
fig 1496.572.peg.2290	145		Phage protein
fig 1496.572.peg.2291	85		hypothetical protein
fig 1496.572.peg.2292	251		Phage antirepressor protein
fig 1496.572.peg.2295	46		hypothetical protein
fig 1496.572.peg.2296	74		Phage protein
fig 1496.572.peg.2297	69		Phage protein
fig 1496.572.peg.2393	40	16	hypothetical protein

fig 1496.572.peg.2452	51 1	8 thioredoxin family protein
fig 1496.572.peg.2459	38	hypothetical protein
fig 1496.572.peg.2472	39	hypothetical protein
fig 1496.572.peg.2481	105	hypothetical protein
fig 1496.572.peg.2483	95	hypothetical protein
fig 1496.572.peg.2499	52 1	9 FIG00522519: hypothetical protein
C. 1 C	50	7.1
fig 1496.572.peg.2530	30	hypothetical protein
fig 1496.572.peg.2534	38 20) hypothetical protein
fig 1496.572.peg.2561	134	Phage-related protein
fig 1496.572.peg.2562	46	hypothetical protein
fig 1496.572.peg.2564	70	hypothetical protein
fig 1496.572.peg.2565	58	Phage protein
fig 1496.572.peg.2566	57	Phage protein
fig 1496.572.peg.2567	263	Phage antirepressor protein
fig 1496.572.peg.2568	65	Phage protein
fig 1496.572.peg.2569	66	hypothetical protein
fig 1496.572.peg.2570	67	hypothetical protein
fig 1496.572.peg.2571	66	hypothetical protein
fig 1496.572.peg.2577	70 2	1 hypothetical protein
fig 1496.572.peg.2578	150	hypothetical protein
fig 1496.572.peg.2579	212	Lmo2276 protein
fig 1496.572.peg.2580	105	hypothetical protein
fig 1496.572.peg.2581	51	hypothetical protein
fig 1496.572.peg.2582	47	hypothetical protein
fig 1496.572.peg.2584	111	hypothetical protein
fig 1496.572.peg.2588	113	hypothetical protein

fig 1496.572.peg.2589	125	Transcriptional regulator, Cro/CI family
fig 1496.572.peg.2590	61	hypothetical protein
fig 1496.572.peg.2591	142	hypothetical protein
fig 1496.572.peg.2592	54	hypothetical protein
fig 1496.572.peg.2593	115	hypothetical protein
fig 1496.572.peg.2595	49	hypothetical protein
fig 1496.572.peg.2596	90	hypothetical protein
fig 1496.572.peg.2598	154	hypothetical protein
fig 1496.572.peg.2603	130	FIG00516442: hypothetical protein
fig 1496.572.peg.2604	550	Phage terminase, large subunit
fig 1496.572.peg.2605	385	Portal protein, phage associated
fig 1496.572.peg.2608	96	Phage protein
fig 1496.572.peg.2609	113	hypothetical protein
fig 1496.572.peg.2610	138	hypothetical protein
fig 1496.572.peg.2611	139	conserved protein
fig 1496.572.peg.2614	128	FIG00521161: hypothetical protein
fig 1496.572.peg.2615	56	hypothetical protein
fig 1496.572.peg.2625	508 22	Phage protein
fig 1496.572.peg.2626	540	Exonuclease SbcC
fig 1496.572.peg.2627	51	hypothetical protein
fig 1496.572.peg.2629	119	hypothetical protein
fig 1496.572.peg.2630	343	Phage major capsid protein
fig 1496.572.peg.2631	69	hypothetical protein
fig 1496.572.peg.2632	106	hypothetical protein
fig 1496.572.peg.2633	128	hypothetical protein
fig 1496.572.peg.2634	137	hypothetical protein
fig 1496.572.peg.2635	275	FIG00513450: hypothetical protein
fig 1496.572.peg.2636	68	hypothetical protein

fig 1496.572.peg.2638	138	Phage-like element PBSX protein xkdM
fig 1496.572.peg.2640	51	hypothetical protein
fig 1496.572.peg.2641	348	Phage tail length tape-measure protein
fig 1496.572.peg.2642	95	hypothetical protein
fig 1496.572.peg.2643	1049	Phage tail length tape-measure protein
fig 1496.572.peg.2646	321	Phage-like element PBSX protein xkdQ
fig 1496.572.peg.2647	122	hypothetical protein
fig 1496.572.peg.2654	57	hypothetical protein
fig 1496.572.peg.2655	189	FIG00513626: hypothetical protein
fig 1496.572.peg.2656	97	FIG00515668: hypothetical protein
fig 1496.572.peg.2733	40	23 hypothetical protein
fig 1496.572.peg.2743	38	hypothetical protein
fig 1496.572.peg.2838	56	FIG00514757: hypothetical protein
fig 1496.572.peg.2872	43	hypothetical protein
fig 1496.572.peg.2881	42	hypothetical protein
fig 1496.572.peg.2886	77	hypothetical protein
fig 1496.572.peg.2894	166	hypothetical protein
fig 1496.572.peg.2916	50	hypothetical protein
fig 1496.572.peg.2923	258	24 conserved domain protein
fig 1496.572.peg.2924	40	hypothetical protein
fig 1496.572.peg.2933	340	Phage major capsid protein #Fam0021
fig 1496.572.peg.2934	127	hypothetical protein
fig 1496.572.peg.2934	77	hypothetical protein
fig 1496.572.peg.2937	91	hypothetical protein
	163	* * * * * * * * * * * * * * * * * * * *
fig 1496.572.peg.2938		Phage protein
fig 1496.572.peg.2946	169	hypothetical protein
fig 1496.572.peg.2949	40	Phage protein

fig 1496.572.peg.2951	118	hypothetical protein
fig 1496.572.peg.2955	232	Phage protein
fig 1496.572.peg.2982	63 26	Phage protein
fig 1496.572.peg.2984	308	Phage protein
fig 1496.572.peg.2985	195	Phage protein
fig 1496.572.peg.2986	151	Phage protein
fig 1496.572.peg.2987	799	Phage terminase, large subunit
fig 1496.572.peg.2990	210	Phage protein
fig 1496.572.peg.2991	65	Phage protein
fig 1496.572.peg.2992	77	hypothetical protein
fig 1496.572.peg.2995	74	hypothetical protein
fig 1496.572.peg.2996	117	Phage protein
fig 1496.572.peg.2997	117	Phage protein
fig 1496.572.peg.3006	50	hypothetical protein
fig 1496.572.peg.3007	64	hypothetical protein
fig 1496.572.peg.3009	91	Phage protein
fig 1496.572.peg.3010	81	Phage protein
CI 14 40 5 7770 00 40	40	
fig 1496.572.peg.3049	40 27	hypothetical protein
fig 1496.572.peg.3064	174 29	hypothetical protein
fig 1496.572.peg.3091		FIG00513202: hypothetical protein
fig 1496.572.peg.3092	40	hypothetical protein
fig 1496.572.peg.3094	86	Phage protein
fig 1496.572.peg.3097	245 32	hypothetical protein
fig 1496.572.peg.3098	155	hypothetical protein
115/14/0.5/2.pcg.5090	133	nypothetical protein

fig 1496.572.peg.3099	164	hypothetical protein
fig 1496.572.peg.3101	76	FIG00632701: hypothetical protein
fig 1496.572.peg.3106	39	33 hypothetical protein
11g 1490.372.pcg.3100	39	33 hypothetical protein
fig 1496.572.peg.3110	47	34 hypothetical protein
fig 1496.572.peg.3181	47	hypothetical protein
fig 1496.572.peg.3185	52	FIG00522352: hypothetical protein
fig 1496.572.peg.3188	46	hypothetical protein
fig 1496.572.peg.3203	422	Plasmid recombination, MobE mobilization protein
fig 1496.572.peg.3204	45	hypothetical protein
fig 1496.572.peg.3206	208	Chloramphenicol acetyltransferase (EC 2.3.1.28)
fig 1496.572.peg.3207	69	TnpV
fig 1496.572.peg.3242	46	hypothetical protein
fig 1496.572.peg.3257	188	hypothetical protein
fig 1496.572.peg.3272	105	FIG00528816: hypothetical protein
fig 1496.572.peg.3310	40	hypothetical protein
fig 1496.572.peg.3314	51	hypothetical protein
fig 1496.572.peg.3329	39	41 hypothetical protein
fig 1496.572.peg.3332	40	hypothetical protein
fig 1496.572.peg.3361	49	hypothetical protein
fig 1496.572.peg.3432	56	Dihydrofolate reductase (EC 1.5.1.3)
fig 1496.572.peg.3447	42	•
		FIG00516082: hypothetical protein
fig 1496.572.peg.3469	49	hypothetical protein
fig 1496.572.peg.3506	110	42 Phage protein
fig 1496.572.peg.3512	63	44 Phage protein

fig 1496.572.peg.3534	45	hypothetical protein
fig 1496.572.peg.3622	45	hypothetical protein
fig 1496.572.peg.3677	38	hypothetical protein
fig 1496.572.peg.3689	391	Mobile element protein
fig 1496.572.peg.3691	480	6'-aminoglycoside N-acetyltransferase (EC 2.3.1) (AAC(6')) / 2"-aminoglycoside phosphotransferase (EC
fig 1496.572.peg.3711	51	45 hypothetical protein
fig 1496.572.peg.3773	51	hypothetical protein
fig 1496.572.peg.3855	74	FIG00513646: hypothetical protein
fig 1496.572.peg.4017	174	46 FIG01032097: hypothetical protein
fig 1496.572.peg.4027	47	hypothetical protein
fig 1496.572.peg.4054	51	hypothetical protein
fig 1496.572.peg.4063	64	FIG00517121: hypothetical protein
fig 1496.572.peg.4097	280	47 Diadenylate cyclase spyDAC; Bacterial checkpoint controller DisA with nucleotide-binding domain
fig 1496.572.peg.4129	42	hypothetical protein
fig 1496.572.peg.4142	86	4-hydroxyphenylacetate decarboxylase, small subunit (EC 4.1.1.83)
fig 1496.572.peg.4189	42	hypothetical protein

TABLE S3. Genes in *C. difficile* 630 strain that are not found in NAP_{CR1} by genomic comparison

	Protein	
Gene ID	Length	Function
fig 1496.1.peg.15	98	
fig 1496.1.peg.41	80	
fig 1496.1.peg.72	54	
fig 1496.1.peg.90	59	
fig 1496.1.peg.128	68	
fig 1496.1.peg.131	75	
fig 1496.1.peg.145	71	
fig 1496.1.peg.153	69	
fig 1496.1.peg.158	34	
fig 1496.1.peg.161	77	
fig 1496.1.peg.298	59	
fig 1496.1.peg.342	76	
fig 1496.1.peg.357	62	
fig 1496.1.peg.378	69	
fig 1496.1.peg.400	81	
fig 1496.1.peg.403	46	
fig 1496.1.peg.416	66	
fig 1496.1.peg.452	77	
fig 1496.1.peg.498	70	
fig 1496.1.peg.514	190	
fig 1496.1.peg.515	187	hypothetical protein
fig 1496.1.peg.516	61	
fig 1496.1.peg.517	64	
fig 1496.1.peg.526	55	
fig 1496.1.peg.529	77	

fig 1496.1.peg.534	76	
fig 1496.1.peg.540	252	
fig 1496.1.peg.541	81	
fig 1496.1.peg.547	110	hypothetical protein
fig 1496.1.peg.581	67	
fig 1496.1.peg.585	76	
fig 1496.1.peg.593	79	
fig 1496.1.peg.594	64	
fig 1496.1.peg.663	73	
fig 1496.1.peg.668	59	
fig 1496.1.peg.711	77	
fig 1496.1.peg.736	59	
fig 1496.1.peg.816	70	
fig 1496.1.peg.834	78	
fig 1496.1.peg.836	104	
fig 1496.1.peg.862	59	
fig 1496.1.peg.865	52	
fig 1496.1.peg.880	59	
fig 1496.1.peg.932	61	
fig 1496.1.peg.960	43	
fig 1496.1.peg.965	99	
fig 1496.1.peg.980	95	hypothetical protein
fig 1496.1.peg.1010	68	
fig 1496.1.peg.1014	125	
fig 1496.1.peg.1017	120	
fig 1496.1.peg.1025	64	
fig 1496.1.peg.1046		
fig 1496.1.peg.1092	73	
fig 1496.1.peg.1144	61	

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fig|1496.1.peg.1159
                             71
                             99
fig|1496.1.peg.1199
fig|1496.1.peg.1261
                             63
                             66
fig|1496.1.peg.1271
fig|1496.1.peg.1324
                             70
fig|1496.1.peg.1345
                             61
fig|1496.1.peg.1366
                             26
fig|1496.1.peg.1375
                             63
                             67
fig|1496.1.peg.1386
fig|1496.1.peg.1422
                             58
                             92
fig|1496.1.peg.1481
                             84
fig|1496.1.peg.1508
fig|1496.1.peg.3944
                             26 Peptide chain release factor 2 unshifted fragment
fig|1496.1.peg.1545
                             61
fig|1496.1.peg.1559
                             63
                             64
fig|1496.1.peg.1590
                             59
fig|1496.1.peg.1655
fig|1496.1.peg.1694
                             88
                             62
fig|1496.1.peg.1700
fig|1496.1.peg.1707
                             64
                             99
fig|1496.1.peg.1713
fig|1496.1.peg.1714
                             68
                             93
fig|1496.1.peg.1715
                             64
fig|1496.1.peg.1716
fig|1496.1.peg.1727
                             77
fig|1496.1.peg.1788
                             46
fig|1496.1.peg.1795
                             73
                             68
fig|1496.1.peg.1836
fig|1496.1.peg.1839
                             79
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fig|1496.1.peg.1891
                            74
                            66
fig|1496.1.peg.1896
fig|1496.1.peg.1910
                            85
                            63
fig|1496.1.peg.1957
fig|1496.1.peg.1960
                            70
fig|1496.1.peg.1969
                           130
                            72
fig|1496.1.peg.1980
fig|1496.1.peg.1982
                            76
                            63
fig|1496.1.peg.2002
fig|1496.1.peg.2006
                            61
fig|1496.1.peg.2027
                            86 threonine dehydratase biosynthetic
fig|1496.1.peg.2040
                            93
                            77
fig|1496.1.peg.2054
fig|1496.1.peg.2060
                           117
fig|1496.1.peg.2061
                            63
                            78
fig|1496.1.peg.2067
                            73
fig|1496.1.peg.2094
fig|1496.1.peg.2111
                            67
                            30
fig|1496.1.peg.2183
fig|1496.1.peg.2205
                            58
                            78
fig|1496.1.peg.2274
fig|1496.1.peg.2300
                            84
                            78
fig|1496.1.peg.2349
                            69
fig|1496.1.peg.2455
fig|1496.1.peg.2490
                            87
fig|1496.1.peg.2513
                            84
fig|1496.1.peg.2546
                            96
                            55
fig|1496.1.peg.2547
fig|1496.1.peg.2551
                            98 Transposase
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fig|1496.1.peg.2554
                            78
fig|1496.1.peg.2577
                            95
fig|1496.1.peg.2633
                            63
fig|1496.1.peg.2634
                            75
fig|1496.1.peg.2638
                            37
                            59
fig|1496.1.peg.2737
                            70
fig|1496.1.peg.2738
fig|1496.1.peg.2774
                            44 MSL leader peptide 2
fig|1496.1.peg.2776
                            46 Omega protein
fig|1496.1.peg.2778
                            44 MSL leader peptide 2
fig|1496.1.peg.2779
                            62 hypothetical protein
fig|1496.1.peg.2804
                            64
fig|1496.1.peg.2849
                            47
fig|1496.1.peg.2859
                            93
fig|1496.1.peg.2873
                            93
                            68
fig|1496.1.peg.2899
fig|1496.1.peg.2971
                           355 3-dehydroquinate synthase (EC 4.2.3.4)
                            67
fig|1496.1.peg.3011
fig|1496.1.peg.3023
                            59
fig|1496.1.peg.3193
                            94
fig|1496.1.peg.3204
                            65
fig|1496.1.peg.3228
                            33
fig|1496.1.peg.3234
                           182
                            34
fig|1496.1.peg.3236
fig|1496.1.peg.3240
                           269 Methyltransferase
fig|1496.1.peg.3241
                            80
fig|1496.1.peg.3242
                            65
fig|1496.1.peg.3244
                           110 hypothetical protein
fig|1496.1.peg.3246
                           242 sulfate adenylate transferase, subunit 2 (cysD)
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fig 1496.1.peg.3375	70		
fig 1496.1.peg.3399	61		
fig 1496.1.peg.3467	69		
fig 1496.1.peg.3513	62		
fig 1496.1.peg.3537	36		
fig 1496.1.peg.3538	34		
fig 1496.1.peg.3539	28		
fig 1496.1.peg.3654	35		
fig 1496.1.peg.3675	66		
fig 1496.1.peg.3727	97		
fig 1496.1.peg.3776	77	hypothetical protein	
fig 1496.1.peg.3787	68		
fig 1496.1.peg.3886	80		
fig 1496.1.peg.3906	70		
fig 1496.1.peg.3922	190		
fig 1496.1.peg.3923	187	hypothetical protein	
fig 1496.1.peg.3924	61		
fig 1496.1.peg.3925	64		
fig 1496.1.peg.3934	55		
fig 1496.1.peg.3936	108	hypothetical protein	