

Strain name	Alternative strain name
AU1233	
AU15829	
AU21726	
AU25004	
AU25340	
AU26564	
AU3578	
AZ_3_1_30_S1_D7	
BAA_248	
BBG1222	
BCC0027	LMG 18835
BCC0028	LMG 16232
BCC0029	LMG 18836
BCC0030	LMG 10929
BCC0040	J1712
BCC0042	J1702

BCC0046	J1738
BCC0104	RJ2
BCC0124	CLO
BCC0126	SMH
BCC0128	MO1
BCC0129	R,K
BCC0136	SAB
BCC0142	AU0109
BCC0151	FC0353
BCC0157	PC030
BCC0185	LMG 06999
BCC0190	P220
BCC0194	CRE-7
BCC0324	J1742
BCC0581	C8395
BCC0587	ATCC 29424
BCC1161	CEP1223
BCC1162	CEP1224
BCC1163	CEP1225
BCC1170	D0072
BCC1172	D0099

BCC1176	D0774
BCC1186	D1389
BCC1193	D1476
BCC1301	23 (URDPS)
BCC1304	26 (URDPS)
BCC1309	31 (URDPS)
BCC1409	JW13.2a
BCC1412	JW14.1a
BE10	
CBMB40	
FDAARGOS_239	
FL_1_2_10_S1_D0	
FL_2_1_10_S1_D0	

FL_2_1_10_S1_D0	
FL_2_2_10_S1_D0	
FL_2_2_30_S1_D0	
FL_2_3_10_S1_D7	
FL_2_3_10_S3_D0	
FL_2_3_30_S1_D0	
FL_2_4_30_S1_D0	
FL_2_5_10_S1_D0	
FL_2_5_30_S1_D0	
FL_5_1_10_S1_D0	
FL_5_2_10_S1_D0	
FL_5_2_10_S1_D0_repeat	
FL_5_2_10_S2_D0	
FL_7_1_10_S1_D0	
FL_7_2_10_S2_D0	
FL_7_3_30_S2_D0	
FL_7_4_10_S1_D0	
FL_7_4_30_S2_D0	
FL_7_4_30_S3_D0	
FL_7_5_30_S2_D0	

G4	
HI2221	
HI2297	
HI3392	
HI3908	
LA_5_5_30_S1_D2	
LA_6_3_30_S1_D2	
LMG_10929	
MSMB608WGS	
PC082	
RS1	
WPB	

PRJEB9765 run accession number	NCBI_assembly_reference
	GCA_001718775.1
	GCA_001528495.1
	GCA_001529585.1
	GCA_001528525.1
	GCA_001528545.1
	GCA_001528565.1
	GCA_002981575.1
	GCA_001523585.1
	GCA_001527445.1
	GCA_900631645.1
ERR1108993	
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ERR1108906	
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ERR1108914	
ERR1100721	

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ERR1821367	
ERR1100729	
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ERR1100666	
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ERR1108938	
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ERR1108905	
ERR1108978	
ERR1108927	
ERR1108935	
	GCA_003849655.1
	GCA_000980955.1
	GCA_003019945.1
	GCA_001523615.1
	GCA_001525685.1



	GCA_001523085.1
	GCA_001523755.1
	GCA_001523785.1
	GCA_001525665.1
	GCA_001523705.1
	GCA_001718495.1
	GCA_001525645.1
	GCA_001523945.1
	GCA_001523965.1
	GCA_001524005.1
	GCA_001524025.1
	GCA_001524045.1
	GCA_001524065.1
	GCA_001524145.1
	GCA_001524205.1
	GCA_001524225.1
	GCA_001524235.1
	GCA_001524265.1
	GCA_001524285.1
	GCA_001524305.1

	GCA_000016205.1
	GCA_001528585.1
	GCA_001718815.1
	GCA_001529645.1
	GCA_001530215.1
	GCA_001523535.1
	GCA_001522565.1
	GCA_000959445.1
	GCA_001718915.1
	GCA_001541005.1
	GCA_003203575.1
	GCA_900102765.1

**Strain characteristics**

Origin	Origin code	Total length (bp)
CF Blood	CF	6835067
Non CF tumor irradiated	CLIN	7391535
Non-CF Ovarian cyst	CLIN	7052954
Non-CF Lymph node	CLIN	6883433
CF Sputum	CF	7017870
Non-CF Blood, 2 weeks of bacteremia	CF	6911902
Sputum	CF	7043739
Soil	ENV	6594542
Environmental	ENV	6867859
Environmental/soil	ENV	6770405
CF	CF	6835509
CF	CF	6619948
Chronic granulomatous disease; Lung abscess	CLIN	6907955
Rice root	ENV	6817241
Non-CF	CLIN	6236748
Environmental (Hospital)	ENV	6247196

Non-CF	CLIN	6738933
Non-CF; Lymph node	CLIN	7014818
CF	CF	7071093
CF	CF	6712975
CF	CF	6591008
CF	CF	6770619
CF	CF	7252206
CF	CF	7154679
CF	CF	6028067
CF	CF	6302951
Non-CF; Neck abscess	CLIN	7059372
CF	CF	6143786
Soil	ENV	7001366
Non-CF	CLIN	6185307
CF	CF	7585736
Soil	ENV	6999634
CF	CF	6578290
CF	CF	6577372
CF	CF	6577683
CF	CF	6841400
Environmental	ENV	7328446

CF	CF	7050207
CF	CF	7033361
CF	CF	7184962
Environmental (Industrial)	IND	6836493
Environmental (Industrial)	IND	8035225
Environmental (Industrial)	IND	7030937
Diesel contaminant	IND	7184515
Diesel contaminant	IND	7268740
Rhizosphere	ENV	6803795
Rice	ENV	7082565
Oryza sativa, rhizosphere soil	ENV	6930411
Soil	ENV	6717763
Soil	ENV	6715242

Soil	ENV	0710243
Soil	ENV	6730926
Soil	ENV	6809400
Soil	ENV	6708517
Soil	ENV	6693522
Soil	ENV	6815283
Soil	ENV	6949322
Soil	ENV	6543164
Soil	ENV	6823232
Soil	ENV	6865035
Soil	ENV	6712461
Soil	ENV	6826472
Soil	ENV	6710020
Soil	ENV	6947154
Soil	ENV	6520894
Soil	ENV	6521874
Soil	ENV	6520988
Soil	ENV	6869375
Soil	ENV	6521115
Soil	ENV	6648683

Wastewater	ENV	8391070
Oryza sativa, rhizosphere soil	ENV	6861005
Oryza sativa root	ENV	6764532
Hospital-Room 1036, Sink	ENV	7618768
Hospital equipment	ENV	6267375
Soil	ENV	7058922
Soil	ENV	6659961
Oryza sativa, rhizosphere soil	ENV	6930496
Plant roots	ENV	6891714
Soil with phthalate enrichment	ENV	7307902
Tuberous root of sweet potato	ENV	6541592
Environmental, Populus root	ENV	6758425

# contigs	# contigs (>= 1000 bp)	N50 (bp)	GC (%)	Contig	Region
2	2	5577538	66.86	1	1
				1	2
				1	3
153	141	118424	66.72	14	1
				21	2
				94	3
				120	4
				124	5
108	99	177957	66.97	42	1
				78	2
105	98	153998	66.95	6	1
				81	2
99	90	175058	66.87	26	1
				55	2
308	269	63922	66.8	90	1
				230	2
				232	3
				247	4
				256	5
				263	6
253	226	60318	66.68	157	1
				195	2
				207	3
68	60	245537	67.3	9	1
				15	2
				24	3
91	78	178930	66.9	18	1
				28	2
				36	3
				47	4
				91	5
3	3	2221444	67.12	1	1
				3	2
				3	3
				3	4
96	81	178086	66.96	8	1
				11	2
				19	3
124	103	132217	67.28	7	1
				39	2
				46	3
145	121	117107	66.79	35	1
102	83	175629	66.94	28	1
73	65	232358	66.7	39	1
85	73	232358	66.68	42	1



74	62	243968	66.99	41	1
131	110	156835	66.89	3	1
				11	2
90	70	199316	66.95	13	1
				44	2
86	71	185785	67.12	5	1
				5	2
				17	3
86	76	200284	67.2	26	1
				46	2
107	96	184737	67.01	4	1
				4	2
				27	3
124	108	181733	66.7	14	1
136	110	174511	66.78	3	1
				8	2
				9	3
134	122	104369	67.39	44	1
95	84	163236	67.22	3	1
114	99	202710	66.84	12	1
				27	2
				55	3
69	61	229186	66.78	41	1
166	142	127479	66.97	4	1
				13	2
				13	3
				46	4
				58	5
				59	6
				66	7
80	70	228941	66.65	41	1
98	88	240818	66.4	15	1
				51	2
153	117	181571	66.82	5	1
				18	2
88	79	181221	67.35	13	1
93	83	158015	67.36	12	1
92	82	172103	67.36	13	1
177	160	99497	66.45	18	1
				34	2
				67	3
176	160	126548	66.35	2	1
				3	2
				15	3
				26	4
				30	5
				44	6

				51	7
93	86	236999	66.85	16	1
170	156	111825	66.5	20	1
				35	2
				69	3
				86	4
185	166	107022	66.35	2	1
				3	2
				14	3
				28	4
				43	5
				64	6
133	111	149334	66.94	1	1
				30	2
				39	3
				41	4
				41	5
				46	6
				46	7
144	125	153088	66.13	16	1
				21	2
				21	3
				40	4
				50	5
				64	6
106	92	176844	66.94	3	1
				5	2
				5	3
				45	4
				55	5
88	79	301076	66.69	17	1
163	136	154124	66.67	7	1
				12	2
				21	3
				46	4
				47	5
				65	6
122	114	115684	67.15	94	1
165	148	97666	66.89	100	1
4	4	2262065	66.83	1	1
				3	2
				3	3
				4	4
107	94	118150	67.35	76	1
				99	2
				107	3
aa	aa	185071	67.77	37	1

55	54	185071	67.22	43	2
129	119	109066	67.31	6	1
77	68	206921	67.27	57	1
51	42	246297	67.36	19	1
				20	2
				49	3
64	56	220842	67.36	17	1
				27	2
				41	3
3	3	2428798	67.23	1	1
				1	2
				2	3
88	73	188459	67.24	38	1
				68	2
68	58	208888	67.25	6	1
				67	2
77	65	255048	67.1	38	1
				61	2
88	75	234460	67.27	16	1
77	68	201222	67.18	39	1
				63	2
117	97	178352	66.99	28	1
				36	2
				48	3
				55	4
				72	5
98	80	192220	67.18	91	6
101	82	188711	66.97	66	1
				42	1
84	69	201435	67.33	43	2
				16	1
91	74	201435	67.33	84	2
				25	1
88	73	201338	67.33	38	2
				70	1
94	81	187869	67.07	84	2
				38	1
				58	2
				68	3
81	70	200870	67.33	81	4
				39	1
81	68	205278	67.48	53	2
				5	1
				57	2
				1	1
				1	2
				1	3

8	8	2411759	65.74	2	4
				7	5
				7	6
				8	7
				8	8
				8	9
				8	10
				8	11
				8	12
99	89	175819	66.9	33	1
3	3	2215292	67.06	1	1
196	173	97704	66.4	56	1
				93	2
				119	3
				135	4
				140	5
94	87	191929	66.66	84	1
147	137	114163	66.96	109	1
				135	2
119	107	113364	67.43	58	1
4	4	2262093	66.83	1	1
				3	2
				3	3
				4	4
4	4	2229737	67	1	1
				2	2
155	128	176200	66.8	20	1
				89	2
74	68	167847	67.61	5	1
				19	2
42	42	290659	67.03	15	1
				18	2
				38	3

Region length (kb)	Completeness	G4P1/G4P1-like	Origin code
18.5	incomplete		CF
25.4	incomplete		
37.2	intact		
10.4	incomplete		CLIN
6.2	incomplete		
18.4	incomplete		
7.5	incomplete		
7.4	incomplete		
33.6	intact		CLIN
27.9	intact		
31.4	questionable		CLIN
12.3	intact		
29.9	intact		CF
29.7	intact		
33.4	incomplete		CF
11.6	incomplete		
28.6	incomplete		
26.9	intact		
22.3	intact		
29.2	questionable		
31.9	incomplete		CF
29.3	incomplete		
30.5	intact		ENV
31.2	intact		
46.7	intact		
26.4	intact		ENV
14.7	incomplete		
7.5	incomplete		
4.9	questionable		
6.7	questionable		
7.8	incomplete		ENV
8.9	incomplete		
18	incomplete		
9	incomplete		
5.6	incomplete		CF
35.5	incomplete		
47.5	intact		
16.5	incomplete		CF
21.2	intact		
16.7	incomplete		
29.5	incomplete		
32.1	questionable		CLIN
32.9	incomplete		ENV
7.1	incomplete		CLIN
7.1	incomplete		ENV

7.1	incomplete		CLIN
26	incomplete		CLIN
35.6	questionable		
49.7	intact		CF
7.1	incomplete		CF
34.7	questionable		
25.1	incomplete		
52.6	intact		CF
12	incomplete		
14.8	incomplete		CF
33.3	intact		
32.7	questionable		
48.6	incomplete		CF
35.2	intact		
34.3	intact		CF
20.4	incomplete		
35.1	intact		
37.4	intact		CF
9	incomplete		CF
29.4	intact		CLIN
48.1	intact		
7.1	incomplete		
7.1	incomplete		CF
41	intact	G4P1-variant	ENV
34.2	intact	G4P1-like	
29.1	incomplete		
36.1	questionable		
8.2	incomplete		
31.1	intact	G4P1-variant	
8.5	incomplete		CLIN
7.1	incomplete		
16.1	incomplete		CF
7.1	incomplete		ENV
34.5	intact		
36.8	intact	G4P1-like	CF
29.6	questionable		CF
29.6	questionable		CF
31.2	questionable		CF
34.9	intact		CF
58.6	intact	G4P1-like	
24.5	intact		
34.8	intact		ENV
37.5	intact		
34.2	intact	G4P1-like	
37.7	intact		
25.7	intact		
40.3	incomplete		

35.5	intact		
16.1	incomplete		CF
34.9	intact		CF
58.6	intact	G4P1-like	
24.5	intact		CF
15.4	incomplete		
34.8	intact		
37.5	intact		
34.2	intact	G4P1-like	
25.7	intact		IND
38.2	incomplete		
27.5	intact		
58	intact		
34.2	intact	G4P1-like	
23.9	incomplete		
15.5	incomplete		
29.1	questionable		IND
19	incomplete		
27.6	incomplete		
25.2	incomplete		
17.6	incomplete		
33.2	intact		IND
45.7	intact		
21.8	intact		
13.7	incomplete		
45.1	intact		IND
42.3	intact		
36.9	intact	G4P1-like	
22.6	incomplete		
7.1	incomplete		IND
28.5	intact		
35.3	intact	G4P1-like	IND
38.4	intact		
12.1	incomplete		
34	intact		
28.5	intact		
19	incomplete		ENV
25.2	intact		
28.2	intact		ENV
8.2	incomplete		ENV
13.8	questionable		
9.6	questionable		
7.8	incomplete		ENV
45.3	intact		
34.3	intact		
44	intact		ENV
21.7	intact		

ENV

32.9	questionable		LIVV
21.2	intact		ENV
36.8	intact		ENV
39.3	intact		ENV
21.7	intact		
31	intact		
31.5	intact		ENV
52.6	intact		
21.2	intact		
36.9	intact	G4P1-variant	ENV
45.8	incomplete		
38.4	intact		
44.7	intact		ENV
21.2	intact		ENV
41.3	intact		
28.5	intact		
42.6	intact		ENV
54.4	intact		ENV
37.5	intact		
15.6	intact		
23.6	incomplete		ENV
21.1	incomplete		ENV
21.2	intact		
27.4	incomplete		
34.2	intact	G4P1-like	
8.2	incomplete		
8.5	incomplete		
24.2	intact		ENV
20.8	intact		ENV
13.5	incomplete		ENV
39.4	intact		
29.3	intact		
39.4	intact		ENV
43	intact		ENV
39.4	intact		
29.3	intact		
21.8	intact		ENV
35.5	intact		
28.3	intact		
49.8	intact		ENV
39.4	intact		
29.3	intact		
39.4	questionable		ENV
35.8	intact		
18.8	incomplete		
14.7	incomplete		
13.4	incomplete		



23.1	questionable		ENV
17.7	incomplete		
30.7	questionable		
28	intact		
39.9	incomplete		
35.2	incomplete		
34.2	intact	G4P1	
7.4	incomplete		
12.7	incomplete		
29.4	incomplete		
29.7	intact		ENV
46	intact		ENV
35.7	intact	G4P1-like	
25.7	intact		
55.4	questionable		
37.5	intact		
7.1	incomplete		ENV
38.4	intact	G4P1-like	ENV
30.2	incomplete		ENV
66.6	intact		ENV
8.2	incomplete		ENV
13.8	incomplete		
9.6	questionable		
7.8	incomplete		
92.9	intact		ENV
9.4	questionable		ENV
36.8	intact	G4P1-like	
34.5	intact		ENV
44.4	questionable		ENV
21.3	intact		ENV
30.8	intact		
36.6	intact	G4P1-variant	
44	intact		

Score	Total proteins	Region position
40	19	3548283-3566864 info_outline
60	33	3843114-3868604 info_outline
150	48	4065046-4102291 info_outline
40	8	98294-108721 info_outline
60	10	1048-7322 info_outline
40	9	3707-22168 info_outline
20	8	12786-20383 info_outline
10	11	1499-8986 info_outline
150	49	14097-47733 info_outline
150	35	3143-31053 info_outline
80	37	212325-243726 info_outline
110	17	2087-14465 info_outline
150	30	6928-36828 info_outline
130	39	34232-64006 info_outline
50	19	7788-41207 info_outline
20	22	313-12007 info_outline
40	40	14607-43214 info_outline
150	33	3112-30090 info_outline
120	25	90-22485 info_outline
80	40	419-29699 info_outline
30	27	3495-35458 info_outline
50	45	999-30354 info_outline
120	44	12181-42685 info_outline
140	39	232595-263872 info_outline
110	47	99449-146214 info_outline
140	28	175624-202114 info_outline
30	6	6835-21598 info_outline
40	6	103656-111233 info_outline
70	7	6992-11955 info_outline
70	9	40577-47314 info_outline
10	10	73736-81565 info_outline
10	10	1257225-1266154 info_outline
40	7	556442-574481 info_outline
10	9	851030-860110 info_outline
50	7	2139402-2145045 info_outline
40	31	123549-159048 info_outline
114	51	84318-131890 info_outline
20	24	106292-122874 info_outline
140	24	168705-189926 info_outline
60	17	18010-34760 info_outline
30	32	6864-36374 info_outline
90	49	3166-35338 info_outline
20	26	50502-83416 info_outline
30	8	1952-9117 info_outline
30	8	1952-9117 info_outline

30	8	7665-14830 info_outline
30	34	210104-236185 info_outline
80	44	22003-57649 info_outline
114	51	78823-128607 info_outline
30	8	1952-9117 info_outline
90	48	210666-245432 info_outline
20	21	245526-270654 info_outline
150	32	121547-174204 info_outline
20	11	11703-23792 info_outline
30	7	6674-21490 info_outline
150	41	10819-44207 info_outline
90	44	235895-268633 info_outline
60	58	58485-107125 info_outline
103	37	4244-39455 info_outline
140	51	13495-47842 info_outline
50	26	93-20578 info_outline
150	41	153414-188516 info_outline
110	46	13613-51037 info_outline
10	9	307554-316634 info_outline
150	34	130784-160259 info_outline
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30	8	1952-9117 info_outline
30	8	1952-9117 info_outline
150	47	84947-126007 info_outline
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30	9	1-8216 info_outline
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30	8	7665-14830 info_outline
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88	39	1-31286 info_outline
104	42	512-35471 info_outline
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120	30	1-24514 info_outline
150	52	55543-90394 info_outline
107	42	135537-173101 info_outline
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128	46	51341-89097 info_outline
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50	60	12452-52800 info_outline

150	42	2148-37697 info_outline
60	13	155027-171140 info_outline
104	42	514-35473 info_outline
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104	40	93219-130783 info_outline
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10	27	67-15577 info_outline
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40	29	665-19717 info_outline
40	10	10921-38589 info_outline
30	31	3695-28909 info_outline
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110	37	138197-176626 info_outline
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30	20	1-19076 info_outline
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40	9	3107452-3115736 info_outline
70	11	518846-532682 info_outline
90	11	1135051-1144650 info_outline
10	10	83484-91313 info_outline
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150	39	95642-130031 info_outline
150	63	52988-97011 info_outline
150	28	1438-23236 info_outline

75	33	93650-126638 info_outline
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107	48	92672-129508 info_outline
150	43	192653-232036 info_outline
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140	40	31642-62701 info_outline
150	39	1959-33476 info_outline
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150	43	188302-242756 info_outline
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110	19	151-15839 info_outline
60	33	20642-44273 info_outline
60	24	8752-29855 info_outline
140	24	27083-48313 info_outline
40	35	253798-281224 info_outline
150	45	49923-84180 info_outline
30	9	66-8293 info_outline
40	7	18087-26612 info_outline
150	30	36052-60272 info_outline
150	26	19236-40089 info_outline
30	11	103120-116710 info_outline
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150	47	2072-37604 info_outline
140	35	96-28460 info_outline
114	49	64405-114294 info_outline
150	36	151036-190520 info_outline
150	34	161557-190945 info_outline
90	61	127710-167112 info_outline
110	40	139378-175188 info_outline
10	30	19748-38577 info_outline
30	18	42171-56871 info_outline
40	19	74623-88095 info_outline

90	25	149287-172468 info_outline
40	25	1338573-1356318 info_outline
80	37	1357870-1388635 info_outline
120	15	209082-237148 info_outline
50	28	1249570-1289548 info_outline
50	10	1267651-1302852 info_outline
150	46	1387077-1421328 info_outline
30	7	2733054-2740522 info_outline
40	14	3593838-3606633 info_outline
10	27	3469-32868 info_outline
120	37	1614389-1644121 info_outline
129	55	3215-49222 info_outline
150	46	27662-63376 info_outline
150	31	1851-27566 info_outline
80	66	8473-63948 info_outline
107	42	97791-135355 info_outline
30	8	2029-9194 info_outline
150	51	2870-41341 info_outline
60	34	829-31029 info_outline
150	79	10861-77547 info_outline
40	9	2697178-2705462 info_outline
50	10	24464-38301 info_outline
90	11	640670-650269 info_outline
10	10	5812-13641 info_outline
150	105	1546746-1639662 info_outline
70	11	828864-838331 info_outline
150	50	16502-53376 info_outline
140	44	208784-243296 info_outline
90	50	144682-189145 info_outline
140	27	62931-84237 info_outline
140	40	34211-65069 info_outline
140	45	257495-294122 info_outline
150	33	3951-48047 info_outline

PHASTER prophage identification

Most common phage	GC %	intact
PHAGE_Rhodof_P26218_NC_029061(6)	0.6291	1
PHAGE_Salmon_SEN34_NC_028699(19)	0.6543	
PHAGE_Burkho_KS9_NC_013055(19)	0.6094	
PHAGE_Stx2_c_1717_NC_011357(2)	0.6305	0
PHAGE_Stx2_c_1717_NC_011357(2)	0.5939	
PHAGE_Salmon_g341c_NC_013059(1)	0.6583	
PHAGE_Burkho_phi6442_NC_009235(2)	0.5613	
PHAGE_Lister_A118_NC_003216(1)	0.6055	
PHAGE_Burkho_Bcep176_NC_007497(22)	0.6128	2
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6324	
PHAGE_Salmon_SEN34_NC_028699(21)	0.639	1
PHAGE_Escher_vB_EcoM_ep3_NC_025430(4)	0.6376	
PHAGE_Burkho_phi1026b_NC_005284(8)	0.5601	2
PHAGE_Burkho_Bcep176_NC_007497(19)	0.6179	
PHAGE_Aeromo_vB_AsaM_56_NC_019527(4)	0.6451	2
PHAGE_Burkho_phiE125_NC_003309(7)	0.6035	
PHAGE_Rhodof_P26218_NC_029061(7)	0.6352	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6355	
PHAGE_Burkho_phi1026b_NC_005284(14)	0.6171	
PHAGE_Salmon_SEN34_NC_028699(21)	0.647	
PHAGE_Burkho_KS5_NC_015265(21)	0.6545	
PHAGE_Aeromo_vB_AsaM_56_NC_019527(12)	0.634	1
PHAGE_Salmon_SEN34_NC_028699(23)	0.6287	
PHAGE_Burkho_phi1026b_NC_005284(19)	0.6172	3
PHAGE_Burkho_KS5_NC_015265(34)	0.6518	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6329	
PHAGE_Bacill_0305phi8_36_NC_009760(1)	0.6777	0
PHAGE_Sulfit_pCB2047_A_NC_020858(3)	0.5325	
PHAGE_Stx2_c_1717_NC_011357(3)	0.6054	
PHAGE_Stx2_c_1717_NC_011357(3)	0.6299	
PHAGE_Enterо_186_NC_001317(1)	0.5899	
PHAGE_Mycoba_Enkosi_NC_028936(1)	0.7012	0
PHAGE_Clostr_c_st_NC_007581(2)	0.6376	
PHAGE_Enterо_phi92_NC_023693(4)	0.5998	
PHAGE_Enterо_fiAA91_ss_NC_022750(2)	0.6022	
PHAGE_Klebsi_phiKO2_NC_005857(2)	0.6379	1
PHAGE_Burkho_BcepC6B_NC_005887(35)	0.6519	
PHAGE_Enterо_mEpx1_NC_019709(2)	0.604	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6368	1
PHAGE_Enterо_phi92_NC_023693(4)	0.5804	
PHAGE_Burkho_Bcep22_NC_005262(4)	0.6317	
PHAGE_Salmon_SEN34_NC_028699(21)	0.646	0
PHAGE_Cronob_vB_CsaM_GAP32_NC_019401(1)	0.598	0
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	0
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	0

PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	0
PHAGE_Rhodof_P26218_NC_029061(7)	0.6397	0
PHAGE_Escher_TL_2011b_NC_019445(10)	0.6566	
PHAGE_Burkho_BcepC6B_NC_005887(35)	0.6531	1
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	
PHAGE_Salmon_SEN34_NC_028699(20)	0.6532	
PHAGE_Burkho_phi1026b_NC_005284(2)	0.6373	1
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6334	
PHAGE_Enterо_phi92_NC_023693(4)	0.6189	0
PHAGE_Bacill_0305phi8_36_NC_009760(1)	0.6767	
PHAGE_Burkho_Bcep176_NC_007497(19)	0.6138	
PHAGE_Salmon_SEN34_NC_028699(20)	0.643	1
PHAGE_Rhodof_P26218_NC_029061(6)	0.6413	
PHAGE_Burkho_KL3_NC_015266(36)	0.6396	1
PHAGE_Burkho_Bcep176_NC_007497(20)	0.6146	
PHAGE_Salmon_SEN34_NC_028699(8)	0.6265	2
PHAGE_Escher_vB_EcoM_ep3_NC_025430(9)	0.6304	
PHAGE_Burkho_phi1026b_NC_005284(12)	0.6333	1
PHAGE_Enterо_phi92_NC_023693(4)	0.6005	0
PHAGE_Burkho_phiE12_2_NC_009236(27)	0.6274	
PHAGE_Burkho_KS9_NC_013055(34)	0.6322	2
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	0
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(11)	0.6242	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(12)	0.6279	
PHAGE_Rhodof_P26218_NC_029061(6)	0.6314	
PHAGE_Salmon_SEN34_NC_028699(20)	0.6199	3
PHAGE_Enterо_phi92_NC_023693(4)	0.5954	
PHAGE_Ralsto_RS138_NC_029107(18)	0.6179	
PHAGE_Bacill_G_NC_023719(1)	0.5657	
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	0
PHAGE_Enterо_BP_4795_NC_004813(3)	0.5788	0
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	
PHAGE_Burkho_Bcep176_NC_007497(20)	0.614	2
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(12)	0.6292	
PHAGE_Burkho_KS5_NC_015265(27)	0.6303	0
PHAGE_Burkho_KS5_NC_015265(27)	0.6303	0
PHAGE_Burkho_KS5_NC_015265(27)	0.6262	0
PHAGE_Burkho_KS5_NC_015265(32)	0.6366	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(12)	0.626	3
PHAGE_Burkho_Bcep176_NC_007497(18)	0.6184	
PHAGE_Burkho_phiE12_2_NC_009236(31)	0.6266	
PHAGE_Burkho_KS5_NC_015265(33)	0.6231	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(13)	0.6277	
PHAGE_Burkho_KS10_NC_011216(42)	0.6298	6
PHAGE_Escher_vB_EcoM_ep3_NC_025430(9)	0.6381	
PHAGE_Rhodof_P26218_NC_029061(7)	0.6368	



PHAGE_Salmon_118970_sal3_NC_031940(13)	0.6045	
PHAGE_Enterо_BP_4795_NC_004813(3)	0.5788	0
PHAGE_Burkho_KS5_NC_015265(32)	0.6366	3
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(12)	0.626	
PHAGE_Burkho_Bcep176_NC_007497(18)	0.6184	
PHAGE_Burkho_phi1026b_NC_005284(8)	0.628	
PHAGE_Burkho_phiE12_2_NC_009236(31)	0.6266	5
PHAGE_Burkho_KS5_NC_015265(32)	0.6231	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(13)	0.6277	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(9)	0.6381	
PHAGE_Rhodof_P26218_NC_029061(7)	0.6345	
PHAGE_Salmon_118970_sal3_NC_031940(13)	0.6156	2
PHAGE_Burkho_KL3_NC_015266(41)	0.6385	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(12)	0.6284	
PHAGE_Salmon_118970_sal3_NC_031940(2)	0.5922	
PHAGE_Pseudo_YMC11/07/P54_PAE_BP_NC_030909(5)	0.6439	
PHAGE_Salmon_SEN34_NC_028699(21)	0.6418	
PHAGE_Vibrio_VvAW1_NC_020488(6)	0.5981	
PHAGE_Burkho_BcepC6B_NC_005887(2)	0.5917	3
PHAGE_Pseudo_phi297_NC_016762(4)	0.6328	
PHAGE_Burkho_phiE125_NC_003309(4)	0.6339	
PHAGE_Salmon_118970_sal3_NC_031940(10)	0.6179	
PHAGE_Burkho_BcepC6B_NC_005887(36)	0.6538	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6385	
PHAGE_Salmon_SEN34_NC_028699(8)	0.6127	3
PHAGE_Salmon_SEN34_NC_028699(23)	0.625	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6157	
PHAGE_Ralsto_RS138_NC_029107(13)	0.6234	
PHAGE_Burkho_phiE125_NC_003309(4)	0.5833	
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	1
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6327	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(13)	0.6242	4
PHAGE_Ralsto_RSB1_NC_011201(19)	0.6244	
PHAGE_Ralsto_RSS0_NC_019548(3)	0.5726	
PHAGE_Burkho_phi6442_NC_009235(14)	0.5966	
PHAGE_Salmon_SEN34_NC_028699(22)	0.6232	
PHAGE_Burkho_BcepC6B_NC_005887(16)	0.6566	1
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.64	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(6)	0.635	1
PHAGE_Enterо_fiAA91_ss_NC_022750(2)	0.6098	0
PHAGE_Bacter_Diva_NC_028788(2)	0.6397	
PHAGE_Stx2_c_1717_NC_011357(4)	0.6156	
PHAGE_Enterо_186_NC_001317(1)	0.5899	
PHAGE_Burkho_KS9_NC_013055(38)	0.6126	3
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6295	
PHAGE_Burkho_phi1026b_NC_005284(19)	0.6186	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6381	1

PHAGE_Burkho_KS5_NC_015265(23)	0.64	+
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6413	1
PHAGE_Burkho_KS5_NC_015265(33)	0.6404	1
PHAGE_Burkho_KS9_NC_013055(13)	0.5962	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6411	3
PHAGE_Burkho_Bcep176_NC_007497(18)	0.617	
PHAGE_Burkho_phiE12_2_NC_009236(28)	0.6163	
PHAGE_Burkho_KS5_NC_015265(32)	0.6478	3
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6404	
PHAGE_Haemop_SuMu_NC_019455(14)	0.6262	
PHAGE_Stenot_S1_NC_011589(2)	0.6088	2
PHAGE_Burkho_KS9_NC_013055(12)	0.587	
PHAGE_Burkho_BcepC6B_NC_005887(32)	0.6594	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6404	2
PHAGE_Burkho_BcepC6B_NC_005887(15)	0.6425	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6329	2
PHAGE_Burkho_phiE125_NC_003309(20)	0.613	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(9)	0.6266	2
PHAGE_Burkho_KS9_NC_013055(13)	0.5982	1
PHAGE_Salmon_118970_sal3_NC_031940(9)	0.6206	
PHAGE_Burkho_phi6442_NC_009235(15)	0.5825	1
PHAGE_Salmon_118970_sal3_NC_031940(2)	0.6049	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.636	
PHAGE_Rhodof_P26218_NC_029061(7)	0.6471	2
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(12)	0.6283	
PHAGE_Enterо_phi92_NC_023693(4)	0.5954	
PHAGE_Bacill_G_NC_023719(1)	0.5654	
PHAGE_Salmon_118970_sal3_NC_031940(12)	0.6157	1
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6398	
PHAGE_Ralsto_p12J_NC_005131(3)	0.5661	1
PHAGE_Burkho_KS9_NC_013055(12)	0.5947	2
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6316	
PHAGE_Burkho_KS9_NC_013055(12)	0.5947	2
PHAGE_Escher_vB_EcoM_ECO1230_10_NC_027995(7)	0.6111	
PHAGE_Burkho_KS9_NC_013055(12)	0.5947	2
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6316	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6388	
PHAGE_Burkho_phi6442_NC_009235(14)	0.5981	4
PHAGE_Burkho_phi1026b_NC_005284(17)	0.6164	
PHAGE_Burkho_BcepC6B_NC_005887(35)	0.6564	
PHAGE_Burkho_KS9_NC_013055(11)	0.5947	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6316	2
PHAGE_Salmon_SEN34_NC_028699(21)	0.6427	
PHAGE_Burkho_KS5_NC_015265(34)	0.6346	1
PHAGE_Pseudo_F116_NC_006552(3)	0.6119	
PHAGE_Salmon_SJ46_NC_031129(4)	0.619	
PHAGE_Burkho_ST79_NC_021343(3)	0.615	

PHAGE_Enterо_fiAA91_ss_NC_022750(2)	0.6215	2
PHAGE_Pseudo_PMG1_NC_016765(2)	0.6146	
PHAGE_Salmon_SEN34_NC_028699(20)	0.6299	
PHAGE_Burkho_phi52237_NC_007145(4)	0.6285	
PHAGE_Rhodof_P26218_NC_029061(3)	0.606	
PHAGE_Bacill_GA_1_NC_002649(1)	0.5966	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(13)	0.6278	
PHAGE_Salmon_118970_sal3_NC_031940(2)	0.5942	
PHAGE_Stx2_c_1717_NC_011357(2)	0.6311	
PHAGE_Cronob_vB_CsaM_GAP32_NC_019401(1)	0.6048	
PHAGE_Burkho_Bcep176_NC_007497(18)	0.6182	1
PHAGE_Burkho_KS14_NC_015273(38)	0.6272	4
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(13)	0.6298	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(9)	0.6381	
PHAGE_Aeromo_vB_AsaM_56_NC_019527(12)	0.6318	
PHAGE_Burkho_KS5_NC_015265(33)	0.6231	0
PHAGE_Prochl_P_SSM3_NC_021559(1)	0.6312	
PHAGE_Ralsto_RS138_NC_029107(13)	0.6256	1
PHAGE_Pseudo_vB_PaeP_Tr60_Ab31_NC_023575(3)	0.6407	1
PHAGE_Burkho_phi1026b_NC_005284(24)	0.6283	
PHAGE_Enterо_fiAA91_ss_NC_022750(2)	0.6098	0
PHAGE_Bacill_0305phi8_36_NC_009760(1)	0.6397	
PHAGE_Stx2_c_1717_NC_011357(4)	0.6156	
PHAGE_Enterо_186_NC_001317(1)	0.5899	1
PHAGE_Salmon_SEN34_NC_028699(20)	0.6376	
PHAGE_Enterо_BP_4795_NC_004813(3)	0.5932	2
PHAGE_Ralsto_RS138_NC_029107(13)	0.6292	
PHAGE_Burkho_Bcep176_NC_007497(20)	0.614	1
PHAGE_Burkho_Bcep176_NC_007497(18)	0.6018	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(8)	0.6432	3
PHAGE_Burkho_Bcep176_NC_007497(20)	0.62	
PHAGE_Mannhe_vB_MhM_3927AP2_NC_028766(14)	0.6296	
PHAGE_Escher_vB_EcoM_ep3_NC_025430(7)	0.6184	

<b>questionable</b>	<b>incomplete</b>	<b>Total prophage (Mb)</b>	<b>Lysogen genome (Mb)</b>
0	2	0.0811	6.835067
0	5	0.0499	7.391535
0	0	0.0615	7.052954
1	0	0.0437	6.883433
0	0	0.0596	7.01787
1	3	0.152	6.911902
0	2	0.0917	7.043739
0	0	0.1043	6.594542
2	3	0.0416	6.867859
0	4	0.0415	6.770405
0	2	0.0995	6.835509
0	2	0.0674	6.619948
1	0	0.0321	6.907955
0	1	0.0329	6.817241
0	1	0.0071	6.236748
0	1	0.0071	6.247196

0	1	0.0071	6.738933
1	1	0.0616	7.014818
0	1	0.0568	7.071093
1	1	0.1124	6.712975
0	2	0.0268	6.591008
1	1	0.1146	6.770619
0	0	0.0352	7.252206
0	1	0.0898	7.154679
0	0	0.0374	6.028067
0	1	0.009	6.302951
0	1	0.0846	7.059372
0	1	0.0071	6.143786
1	3	0.1882	7.001366
0	1	0.0071	6.185307
0	2	0.0232	7.585736
0	0	0.0713	6.999634
1	0	0.0296	6.57829
1	0	0.0296	6.577372
1	0	0.0312	6.577683
0	0	0.118	6.8414
0	1	0.2457	7.328446

0	1	0.0161	7.050207
0	1	0.1334	7.033361
0	1	0.1979	7.184962
1	4	0.2073	6.836493
0	3	0.1572	8.035225
0	2	0.154	7.030937
0	0	0.0285	7.184515
0	2	0.1673	7.26874
0	0	0.0252	6.803795
0	0	0.0282	7.082565
2	2	0.0394	6.930411
0	0	0.1236	6.717763
1	0	0.0516	6.715212

1	0	0.0340	0.719245
0	0	0.0212	6.730926
0	0	0.0368	6.8094
0	0	0.092	6.708517
0	0	0.1053	6.693522
0	1	0.1211	6.815283
0	0	0.0659	6.949322
0	0	0.0698	6.543164
0	0	0.097	6.823232
0	0	0.0375	6.865035
0	1	0.0392	6.712461
0	4	0.1206	6.826472
0	0	0.0242	6.71002
0	1	0.0343	6.947154
0	0	0.0687	6.520894
0	0	0.0824	6.521874
0	0	0.0687	6.520988
0	0	0.1354	6.869375
0	0	0.0687	6.521115
1	0	0.0752	6.648683

2	8	0.2758	8.39107
0	1	0.0294	6.861005
0	0	0.0297	6.764532
1	0	0.2003	7.618768
0	1	0.0071	6.267375
0	1	0.0686	7.058922
0	0	0.0666	6.659961
1	3	0.0394	6.930496
1	0	0.1023	6.891714
0	0	0.0713	7.307902
1	0	0.0657	6.541592
0	0	0.1114	6.758425



prophage (%) in genome
1.186528237
0.67509658
0.871975062
0.634857636
0.849260531
2.199105254
1.301865387
1.581610975
0.605720065
0.612961854
1.455634101
1.018134886
0.46468166
0.482599926
0.11384138
0.113650988

0.105357925
0.878141101
0.803270442
1.674369411
0.406614588
1.692607426
0.485369555
1.255122697
0.62043106
0.142790258
1.198406884
0.115563921
2.688046875
0.114788158
0.305837166
1.018624688
0.44996496
0.450027762
0.474331159
1.724793171
3.35268896

0.228362089
1.896675004
2.754363906
3.032256451
1.956385789
2.190319726
0.396686485
2.301636872
0.37038153
0.398160836
0.568508852
1.839898192
0.813075566

0.613073300

0.314964093

0.540429406

1.371391024

1.573162828

1.776888795

0.948293949

1.066762196

1.421613687

0.546246305

0.583988495

1.76665194

0.360654663

0.493727359

1.053536524

1.263440539

1.053521338

1.971067237

1.05350082

1.131051067

3.286827544
0.428508651
0.439054764
2.629033986
0.113285068
0.971819776
1.000005856
0.568501879
1.484391256
0.975656214
1.004342674
1.648313032