

STRAIN / ISOLATE	Rilotype	Sequence type	Toxin A (total)		Toxin A Individual Probes				Toxin B (total)		Toxin B Individual Probes								
					hpl1121	hpl1131	hpl1151	hpl1271			hpl1181	hpl1191	hpl1211	hpl1221	hpl1241	hpl1261	hpl1271	hpl1291	hpl1301
			cdap1	cdap2	cdap3	cdap4	cdap5	cdap6	cdap1	cdap2	cdap3	cdap4	cdap5	cdap6	cdap7	cdap8	cdap9	cdap10	
<b>CLADE 1</b>																			
<b>&gt;HP-01</b>																			
C_difficile OUC 6362 (GenBank AB01) in silico prediction				3	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
C_difficile B9 (GenBank FN68644) in silico prediction				3	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
C_difficile B-9			1	3	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 1040-71-104-O8K0000249		1			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 1052-78-1052-O8K0000234		1			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 695-1-695-O8K0000223		72			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 787-22-787-O8K0000388		72			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 897-AD-897-O8K0000223		15			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 06_7735					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 06_7736					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_6943					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9200					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9208					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9279					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9773					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9932					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9999					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8100					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_8178					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0544		1			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0550					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0827					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0902					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0955					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0958					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0973					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1074					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1205					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1216					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1202					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_7679					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_7683					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_7980					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8232					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8291					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8314					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8315					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8333					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8356					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8457					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8736					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_8945					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9138					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9175					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9234					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9255					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9369					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9390					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 07_9399					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0188		1			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0200					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0220					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0226					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0227					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0648					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0751					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0769					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0770					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_0771					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1308					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1311					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1316					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1542					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1544					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1581					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1826					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1817					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1791					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1643					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1764					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1748					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1736					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1582					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
<b>&gt;HP-02</b>																			
C_difficile ATCC3255 (GenBank AB01) in silico prediction				46	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 865-36-865-O8K0000256		13		45	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg_37.894.H					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg_981-57-981-O8K0000328		87			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
ana_50011_11					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Dresden 08_1352					POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
<b>&gt;HP-03</b>																			
Freiburg 938-47-938-O8K0000237		56			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 811-25-811-O8K0000284		49			POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 987-62-987-O8K0000251		11		58	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	
Freiburg 975-54-975-O8K0000247		56			POS	POS	POS	POS	POS	POS	NEG								

STRAIN / ISOLATE	Ribotype	Sequence type	Toxin A (total)				Toxin A Individual Probes				Toxin B (total)				Toxin B Individual Probes										
							hpl1321i	hpl1341i	hpl1351i	hpl2471i					hpl1181i	hpl1191i	hpl1211i	hpl1221i	hpl1241i	hpl1261i	hpl1271i	hpl1291i	hpl1301i		
			cds1	cds2	cds3	cds4	cds1	cds2	cds3	cds4	cds1	cds2	cds3	cds4	cds1	cds2	cds3	cds4	cds1	cds2	cds3	cds4	cds1	cds2	cds3
<b>&gt;HP-07</b>			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-523-44-923-DBK000038	54		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
<b>&gt;HP-08</b>			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-1021-71.1021-DBK0000248	57	55	POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-669-669-DBK0000231	70		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-864-53.964-DBK0000227	57		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-899-41.899-DBK0000224	70		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-982-58.982-DBK0000257	94		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_7095	78		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_7288			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8782			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8989			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_0213			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
<b>&gt;HP-09</b>			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-1055-79.1055-DBK0000251	2	8	POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-658-658-DBK0000230	159		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-963-52.963-DBK0000265	2		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-888-63.988-DBK0000253	159		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-79.1057			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Jena_50073_11			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Jena_50015_11			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Jena_50013_11			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_7383			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8174			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8234			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8262			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_613	2		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_0422			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_0817			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_0879			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_1484			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
<b>&gt;HP-10</b>			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 08_664_2			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 09_664_2			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 09_711_1			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 09_711_2			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 09_932			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 09_939			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 09_948			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
<b>&gt;HP-11</b>			NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
C_diffricte C017 (Genbank AGAC) in silico prediction	1		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Freiburg-684-10.684-DBK0000240	9	3	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Freiburg-818-28.818-DBK0000278	9	3	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
<b>&gt;HP-12</b>			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-1007-68.1007-DBK0000252	105		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-863-58.963-DBK0000256	103		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
<b>&gt;HP-13</b>			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
C_diffricte 70-100-3203 (Genbank AGAC) in silico prediction	42		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-1044-75.1044-DBK0000270	49		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-1057-80.1057-DBK0000260	14	2 or 602	POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-110-12.110-DBK0000241	7		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-940-48.94-DBK0000224			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Freiburg-980-58.98-DBK0000246	14		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Jena_50073_11			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Jena_50023_11			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_7779	14		POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_7950			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_7953			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8015			POS	POS	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG
Dresden 07_8205		</																							

STRAIN / ISOLATE	Ribotype	Sequence type	Toxin A (total)					Toxin B (total)									
			Toxin A Individual Probes					Toxin B Individual Probes									
			hp11321  cdap1	hp11341  cdap2	hp11351  cdap3	hp12471  cdap2	POS	hp11181  cdap1	hp11191  cdap1	hp11211  cdap4	hp11221  cdap4	hp11241  cdap2	hp11261  cdap2	hp11271  cdap2	hp11291  cdap3	hp1301  cdap3	
<b>&gt;HP-20</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 263-50.963-DBK000243	45	8	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 750-18.75-DBK000232	5		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 437-4.637-DBK000280	7		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 456-31.856-DBK000273	54		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 61.956			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_7984	5		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8493			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8338			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8798			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
<b>&gt;HP-21</b>			NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 423-26.823-DBK000283	31		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 952-48.912-DBK000245	11		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
<b>&gt;HP-22</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1218			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
<b>&gt;HP-23</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 786-21.786-DBK000275	12	54	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
<b>&gt;HP-24</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
C. difficile 6336 (GenBank AD82) in silico prediction		3754 (1. MM)	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
C. difficile 630 (GenBank AM199155) in silico prediction		54	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
C. difficile Strain 630	12	54	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_7156			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_7158	12		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_7269			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8217			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8230			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8749			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8768			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_9245			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_8217	12		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_9219			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_9413			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_9484			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_9994			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1148			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1188			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1205			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1541			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_7896			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
<b>&gt;HP-25</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 409-24.809-DBK000287	46	35	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 990-64.99-DBK000264	46		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_7952			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8955			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_8964			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 07_9027			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1169			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
<b>&gt;HP-26</b>			NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 435-1.635-DBK000297	39		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 495-38.895-DBK000290	39		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
<b>&gt;HP-27</b>			NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 726-14.726-DBK000228	10		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 437-27.837-DBK000285	10		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
<b>&gt;HP-28</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
C. difficile 6407 (GenBank AD82) in silico prediction		587	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
<b>&gt;HP-29</b>			NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 452-23.852-DBK000279	71		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
Freiburg 458-23.858-DBK000222	71		NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	
<b>&gt;HP-30</b>			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 1047-76.1047-DBK000269	81		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 999-66.999-DBK000262	94		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 896-39.896-DBK000291	81		POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Freiburg 471-33.871-DBK000272	29	9	POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	
Dresden 08_1596			POS	POS	POS	POS	POS	NEG	POS	NEG	POS	NEG	NEG	NEG	POS	NEG	



STRAIN / ISOLATE	chloramphenicol acetyl transferase (cat)		rRNA methyltransferase (ermB)		tetM (tetM)		tetracycline resistance proteins, individual probes						daptogramin A acetyltransferase		incomplete resist protein (int1)		incomplete resist protein (int2)		ampicillin: two-component sensor histidine kinase		putative lactate dehydrogenase protein		lactate dehydrogenase protein		bactracin ATP binding cassette transporter, ABC protein BcA		ABC-type transport system, ABC transporter		putative efflux pump		putative efflux pump		efflux pump antibiotic resistance protein		ABC-type transport system, permease TstS49		two-component sensor histidine kinase TstS4C																																																																																																	
	hg10141 catD	hg1022 ermB	hg11081 tetM	hg11082 tetM	hg11091 tetM	hg11101 tetM	hg11111 tetM	hg10821 tetA	hg10831 tetA	hg10901 tetB	hg10911 tetB	hg10921 tetC	hg10931 tetD	hg10941 tetE	hg10951 tetF	hg10961 tetG	hg10971 tetH	hg10981 tetI	hg10991 tetJ	hg11001 tetK	hg11011 tetL	hg11021 tetM	hg11031 tetN	hg11041 tetO	hg11051 tetP	hg11061 tetQ	hg11071 tetR	hg11081 tetS	hg11091 tetT	hg11101 tetU	hg11111 tetV	hg11121 tetW	hg11131 tetX	hg11141 tetY	hg11151 tetZ	hg11161 tetA1	hg11171 tetA2	hg11181 tetA3	hg11191 tetA4	hg11201 tetA5	hg11211 tetA6	hg11221 tetA7	hg11231 tetA8	hg11241 tetA9	hg11251 tetA10	hg11261 tetA11	hg11271 tetA12	hg11281 tetA13	hg11291 tetA14	hg11301 tetA15	hg11311 tetA16	hg11321 tetA17	hg11331 tetA18	hg11341 tetA19	hg11351 tetA20	hg11361 tetA21	hg11371 tetA22	hg11381 tetA23	hg11391 tetA24	hg11401 tetA25	hg11411 tetA26	hg11421 tetA27	hg11431 tetA28	hg11441 tetA29	hg11451 tetA30	hg11461 tetA31	hg11471 tetA32	hg11481 tetA33	hg11491 tetA34	hg11501 tetA35	hg11511 tetA36	hg11521 tetA37	hg11531 tetA38	hg11541 tetA39	hg11551 tetA40	hg11561 tetA41	hg11571 tetA42	hg11581 tetA43	hg11591 tetA44	hg11601 tetA45	hg11611 tetA46	hg11621 tetA47	hg11631 tetA48	hg11641 tetA49	hg11651 tetA50	hg11661 tetA51	hg11671 tetA52	hg11681 tetA53	hg11691 tetA54	hg11701 tetA55	hg11711 tetA56	hg11721 tetA57	hg11731 tetA58	hg11741 tetA59	hg11751 tetA60	hg11761 tetA61	hg11771 tetA62	hg11781 tetA63	hg11791 tetA64	hg11801 tetA65	hg11811 tetA66	hg11821 tetA67	hg11831 tetA68	hg11841 tetA69	hg11851 tetA70	hg11861 tetA71	hg11871 tetA72	hg11881 tetA73	hg11891 tetA74	hg11901 tetA75	hg11911 tetA76	hg11921 tetA77	hg11931 tetA78	hg11941 tetA79	hg11951 tetA80	hg11961 tetA81	hg11971 tetA82	hg11981 tetA83	hg11991 tetA84	hg12001 tetA85	hg12011 tetA86	hg12021 tetA87	hg12031 tetA88	hg12041 tetA89	hg12051 tetA90	hg12061 tetA91	hg12071 tetA92	hg12081 tetA93	hg12091 tetA94	hg12101 tetA95	hg12111 tetA96	hg12121 tetA97	hg12131 tetA98	hg12141 tetA99
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Freiburg 787-22.787-080000288																																																																																																																																						
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