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Appendix A – Oligonucleotides

Name	Sequence	Gene	Position & Direction
BCH22	ACCGAACAGACGGGAACAAC	<i>pnpA</i>	428 in X98545 →
BCH31	CGCGTACATCATTAACCCG	<i>pnpA</i>	688 in X98545 ←
BCH42	GAATTCCTGCAGTTCTATGGCTTCTGTTTG	<i>pnpA</i>	1 in X98545 →
BCH43	AGGGATCCGCCTTTACCAATAACATC	<i>pnpA</i>	389 in X98545 ←
BCH44	AAGGATCCGTAGCATTACCGAACAGAC	<i>pnpA</i>	419 in X98545 →
BCH45	AACATGAGCTCGAACCCCGATACGCTAT	<i>pnpA</i>	846 in X98545 ←
BCH284	AATCAACGGCATTACCGAAG	<i>pnpA</i>	220 in X98545 →
BCH287	AGGGCGTTTGCATATTCTTG	<i>pnpA</i>	274 in X98545 →
BCH290	TTCCCGTCTGTTCCGTAATG	<i>pnpA</i>	443 in X98545 ←
BCH332	CCGAATACCACGAGAAGTTGTC	<i>aprV2</i>	1314 in L38395 ←
BCB337	GGTAAGCTTGAAATTGGTCACGGACGTTT	<i>pnpA</i>	866 in CP000513 ←
BCH338	TTACTGCAGTTGAAGCACTGATGCTTTGG	<i>Orf 379</i>	746 in X98547 ←
BCH339	AATCTGCAGCTTGCCCATCTGCCTAGAAG	<i>Orf 379</i>	940 in X98547 →
BCH340	TCGAATTCTCGCAATCCTCGTTATTTCC	<i>Orf 379</i>	34078 in A7847513 ←
BCH359	CCGTACTGGAACAACCTTTAGC	<i>aprV2</i>	1017 in L38395 ←
BCH392	TGATGGTCGCGATACAAAA	<i>pnpA</i>	1117 in CP000513 ←
BCH393	CCGAGAATGTCGGTCAAAT	<i>pnpA</i>	119 in X98545 ←
BCH395	GCTGATCCTTTTGACGAAGG	<i>aprV2</i>	832 in L38395 →
BCH396	GTGGTTTGTCCGCTTTAGT	<i>aprV2</i>	256 in L38395 →
BCH397	GTGCTGGTGCAGGAATTTTC	<i>aprV2</i>	482 in L38395 ←
BCH398	ATTCGTCATGGAACCGTTTC	<i>aprV2</i>	1810 in L38395 →
BCH399	TCGCAAAGAGAGGCTTTTGT	<i>aprV2</i>	2053 in L38395 ←

Table A1: Oligonucleotides for standard PCR experiments and sequencing. GenBank accession numbers are given in the last column.

Name	Sequence	Gene	Position & Direction
BCB316'	GGTAAGCTTGAAATTGGTCACGGACGTTT	16S <i>rRNA</i>	47 in M35016 →
BCH317'	TTACTGCAGTTGAAGCACTGATGCTTTGG	16S <i>rRNA</i>	553 in M35016 ←

Table A2: Oligonucleotides used to construct pSKrR1 (16S rRNA plasmid). GenBank accession numbers are given in the last column.

Appendix A - Oligonucleotides

Name	Sequence	Gene	Position & Direction
BCB337	GGTAAGCTTGAAATTGGTCACGGACGTTT	<i>pnpA</i>	866 in CP000513 ←
BCH338	TTACTGCAGTTGAAGCACTGATGCTTTGG	<i>Orf 379</i>	746 in X98547 ←
BCH339	AATCTGCAGCTTGCCCATCTGCCTAGAAG	<i>Orf 379</i>	940 in X98547 →
BCH340	TCGAATTCTCGCAATCCTCGTTATTTCC	<i>Orf 379</i>	34078 in A7847513 ←

Table A3: Oligonucleotides used to construct pSK81 (*pnpA* complementation in 2483).

GenBank accession numbers are given in the last column.

Name	Sequence	Gene	Position & Direction
BCH322	AAGTCGAACGGGGTTATGTAGC	16S <i>rRNA</i>	58 in M35016 →
BCH323	CCCCACCATAAGGCAGATTCC	16S <i>rRNA</i>	140 in M35016 ←
BCH325	GACGCTGGTGTACCCGTAC	<i>pnpA</i>	44 in X98545 →
BCH326	AAATAGCAAACCTCGTCCCCTTC	<i>pnpA</i>	122 in X98545 ←
BCH358	ATGCGGTGGTTATCCTGATC	<i>aprV2</i>	873 in L38395 →
BCH359	CCGTACTGGAACAACCTTTAGC	<i>aprV2</i>	1017 in L38395 ←
BCH395	GCTGATCCTTTTGACGAAGG	<i>aprV2</i>	832 in L38395 →
BCH405	CTCTTGGCACGGTTCACAC	<i>aprV2</i>	915 in L38395 →

Table A4: Oligonucleotides for qPCR experiments. GenBank accession numbers are given in the last column.

Name	Sequence	Gene	Position & Direction
BCH324	CCGTCCGCCACTAGGTTACATAGC	16S <i>rRNA</i>	105 in M35016 ←
BCH327	ACGCCCGTTGCTGGTATTGC	<i>pnpA</i>	65 in X98545 →
BCH357	AGCAACACCAGCAACACCGATACG	<i>aprV2</i>	990 in L38395 ←

Table A5: Oligonucleotides used as probes for qPCR experiments. GenBank accession numbers are given in the last column.

Appendix B – qPCR data

Standard Curve (1)	$\text{conc} = 10^{(-0.291 \cdot \text{CT} + 11.375)}$
Standard Curve (2)	$\text{CT} = -3.437 \cdot \log(\text{conc}) + 39.103$
Reaction efficiency (*)	$0.95393 (* = 10^{(-1/m)} - 1)$
M	-3.4375
B	39.10299
R Value	0.99638
R ² Value	0.99278

Table B1: 16S rRNA qPCR run 1 quantification statistics. M = the slope of a reaction used to determine the exponential amplification and efficiency of a reaction. B = Ct value for a given concentration of 1 unit (intercept of a standard curve). R value = square root of correlation coefficient. R² Value = correlation coefficient. Ct-Calculation = The Ct value is the value where the amplification curve crosses the threshold line.

Standard Curve (1)	$\text{conc} = 10^{(-0.301 \cdot \text{CT} + 11.747)}$
Standard Curve (2)	$\text{CT} = -3.318 \cdot \log(\text{conc}) + 38.978$
Reaction efficiency (*)	$1.00157 (* = 10^{(-1/m)} - 1)$
M	-3.31816
B	38.97777
R Value	0.99863
R ² Value	0.99727

Table B2: 16S rRNA qPCR run 2 quantification statistics

	<i>pnpA</i> assay 1	<i>pnpA</i> assay 2	<i>pnpA</i> assay 3
Standard Curve (1)	$\text{conc} = 10^{(-0.303 \cdot \text{CT} + 11.830)}$	$\text{conc} = 10^{(-0.298 \cdot \text{CT} + 11.412)}$	$\text{conc} = 10^{(-0.306 \cdot \text{CT} + 11.987)}$
Standard Curve (2)	$\text{CT} = -3.300 \cdot \log(\text{conc}) + 39.036$	$\text{CT} = -3.353 \cdot \log(\text{conc}) + 38.259$	$\text{CT} = -3.265 \cdot \log(\text{conc}) + 39.140$
Reaction efficiency (*)	$1.00936 (* = 10^{(-1/m)} - 1)$	$0.98737 (* = 10^{(-1/m)} - 1)$	$1.0242 (* = 10^{(-1/m)} - 1)$
M	-3.2997	-3.35257	-3.26528
B	39.03641	38.25905	39.14019
R Value	0.99997	0.9998	0.99963
R ² Value	0.99994	0.99961	0.99925

Table B3: *pnpA* qPCR runs 1, 2, and 3 quantification statistics

16S rRNA qPCR assay 1			
Samples	Ct value	CCN	Normalization
A198 10 pg RNA	13.42	50,278,732.67	100
A198 10 pg RNA	13.81	38,444,853.89	
A198 10 pg RNA	13.78	39,168,026.90	
C305 10 pg RNA	13.77	39,608,444.05	88.5968682
C305 10 pg RNA	13.99	33,869,013.94	
C305 10 pg RNA	13.76	39,830,506.23	
819 10 pg RNA	13.75	39,979,238.90	84.25122868
819 10 pg RNA	14.11	31,144,538.09	
819 10 pg RNA	13.88	36,626,478.72	
819S1B 10 pg RNA	13.93	35,352,290.40	73.39175375
819S1B 10 pg RNA	14.09	31,553,484.79	
819S1B 10 pg RNA	14.32	26,956,122.83	
1493 10 pg RNA	14.01	33,554,889.50	85.70370161
1493 10 pg RNA	13.68	42,120,766.45	
1493 10 pg RNA	13.99	33,932,190.83	
1493-pCF5B 10 pg RNA	13.93	35,418,234.10	85.69970682
1493-pCF5B 10 pg RNA	13.88	36,694,799.20	
1493-pCF5B 10 pg RNA	13.85	37,489,704.49	
2483 10 pg RNA	14.33	26,731,009.53	64.91049801
2483 10 pg RNA	14.51	23,593,319.38	
2483 10 pg RNA	14.04	32,690,754.29	
2483-pCF5D 10 pg RNA	13.9	36,084,474.40	79.88140019
2483-pCF5D 10 pg RNA	14.1	31,377,568.48	
2483-pCF5D 10 pg RNA	13.96	34,699,568.67	
UNE61 10 pg RNA	14.05	32,569,136.58	78.35460858
UNE61 10 pg RNA	13.8	38,732,506.87	
UNE61 10 pg RNA	14.22	28,907,329.68	
UNE61-1D8 10 pg RNA	13.89	36,286,779.67	83.53485649
UNE61-1D8 10 pg RNA	14.25	28,426,529.65	
UNE61-1D8 10 pg RNA	13.68	42,120,766.45	
UNE64 10 pg RNA	14.17	30,033,061.73	75.35524983
UNE64 10 pg RNA	13.93	35,484,300.80	
UNE64 10 pg RNA	14.13	30,855,682.31	
UNE64-1B 10 pg RNA	13.86	37,038,317.94	87.54041843
UNE64-1B 10 pg RNA	14	33,805,954.67	
UNE64-1B 10 pg RNA	13.71	41,112,580.95	

Table B4: 16S rRNA qPCR run 1 raw data for all the strains using 10 pg/μl RNA. Calculated values were normalised as a percentage of the concentration in strain A198. CCN – calculated copy number.

16S rRNA qPCR assay 2			
Samples	Ct value	CCN	Normalization
A198 10 pg RNA	12.69	48,362,106.42	100
A198 10 pg RNA	12.75	46,485,521.59	
A198 10 pg RNA	12.76	46,069,283.55	
C305 10 pg RNA	13.17	34,984,865.48	85.96426663
C305 10 pg RNA	13.14	35,748,284.73	
C305 10 pg RNA	12.63	50,405,039.37	
819 10 pg RNA	12.79	45,085,455.15	80.1143938
819 10 pg RNA	13.2	34,423,019.14	
819 10 pg RNA	13.24	33,386,255.17	
819S1B 10 pg RNA	13.36	30,845,563.49	68.15305447
819S1B 10 pg RNA	13.18	34,734,032.66	
819S1B 10 pg RNA	13.38	30,459,583.34	
1493 10 pg RNA	13.08	37,057,849.08	72.34503156
1493 10 pg RNA	13.26	33,027,842.76	
1493 10 pg RNA	13.31	31,860,692.30	
1493-pCF5B 10 pg RNA	13.08	37,191,415.54	77.49971042
1493-pCF5B 10 pg RNA	13.44	29,225,046.33	
1493-pCF5B 10 pg RNA	12.87	42,793,736.51	
2483 10 pg RNA	13.47	28,600,933.51	56.43521386
2483 10 pg RNA	13.47	28,652,429.88	
2483 10 pg RNA	13.84	22,273,397.02	
2483-pCF5D 10 pg RNA	13.07	37,392,668.41	74.98811798
2483-pCF5D 10 pg RNA	13.15	35,428,189.45	
2483-pCF5D 10 pg RNA	13.26	32,850,082.03	
UNE61 10 pg RNA	13.39	30,186,843.86	66.68155939
UNE61 10 pg RNA	13.31	31,860,692.30	
UNE61 10 pg RNA	13.31	31,918,057.91	
UNE61-1D8 10 pg RNA	13.15	35,491,978.38	80.71487594
UNE61-1D8 10 pg RNA	12.86	42,947,976.65	
UNE61-1D8 10 pg RNA	13.16	35,300,955.31	
UNE64 10 pg RNA	13.15	35,428,189.45	75.47905434
UNE64 10 pg RNA	13.29	32,380,716.80	
UNE64 10 pg RNA	13.03	38,553,846.00	
UNE64-1B 10 pg RNA	13.18	34,671,605.96	83.17384402
UNE64-1B 10 pg RNA	12.97	39,894,355.96	
UNE64-1B 10 pg RNA	12.88	42,640,050.30	

Table B5: 16S rRNA qPCR run 2 raw data for all the strains using 10 pg/μl RNA. Calculated values were normalised as a percentage of the copy number in strain A198. CCN – calculated copy number.

Appendix B – qPCR data

Samples	<i>pnpA</i> assay 1		<i>pnpA</i> assay 2		<i>pnpA</i> assay 3	
	Ct value	CCN	Ct value	CCN	Ct value	CCN
A198 100 pg RNA	25.45	13,131.59	24.61	11,787.62	25.84	11,870.36
A198 100 pg RNA	25.59	11,845.52	24.47	12,956.26	25.61	13,923.74
A198 100 pg RNA	25.6	11,795.68	24.54	12,321.15	25.82	11,988.97
C305 100 pg RNA	25.25	15,120.34	24.09	16,851.09	25.15	19,284.94
C305 100 pg RNA	25.16	16,009.76	24.36	13,974.05	25.05	20,699.39
C305 100 pg RNA	25.12	16,547.38	24.04	17,468.20	25.21	18,428.05
819 100 pg RNA	26.51	6,275.52	25.45	6,638.99	26.8	6,011.69
819 100 pg RNA	26.45	6,512.14	25.68	5,649.51	26.65	6,687.44
820 100 pg RNA	26.47	6,433.30	25.6	5,965.43	26.67	6,580.65
819S1B 100 pg RNA	25.8	10,249.02	24.56	12,179.93	25.78	12,351.95
819S1B 100 pg RNA	25.57	12,013.19	24.54	12,355.28	25.86	11,669.76
819S1B 100 pg RNA	25.67	11,234.72	24.75	10,724.40	26.01	10,530.37
1493 100 pg RNA	27.21	3,826.37	25.46	6,559.87	27.72	3,135.29
1493 100 pg RNA	27.28	3,661.51	25.53	6,252.71	27.71	3,166.61
1493 100 pg RNA	27.29	3,617.18	25.49	6,445.93	27.55	3,545.98
1493-pCF5B 100 pg RNA	27.14	4,040.07	25.47	6,535.72	27.46	3,783.61
1493-pCF5B 100 pg RNA	27.23	3,794.23	25.61	5,932.51	27.11	4,821.48
1493-pCF5B 100 pg RNA	27.21	3,846.14	25.62	5,878.05	27.36	4,040.98
2483 100 pg RNA	28.43	1,640.27	26.76	2,682.81	28.35	2,009.09
2483 100 pg RNA	28.49	1,573.28	26.84	2,548.95	28.3	2,085.66
2483 100 pg RNA	28.19	1,931.63	26.63	2,935.22	28.39	1,966.74
2483-pCF5D 100 pg RNA	29.83	617.27352	28.87	629.7559	30.29	514.81829
2483-pCF5D 100 pg RNA	30.17	485.39799	28.68	721.8539	30.37	484.5464
2483-pCF5D 100 pg RNA	30.24	462.31414	28.43	852.203	30.24	531.66213
UNE61 100 pg RNA	27.08	4,192.40	25.61	5,932.51	26.65	6,681.11
UNE61 100 pg RNA	27.33	3,538.40	25.62	5,899.77	26.94	5,465.98
UNE61 100 pg RNA	27.27	3,676.98	25.62	5,883.47	26.79	6,066.01
UNE61-1D8 100 pg RNA	27.85	2,457.58	26.25	3,815.83	27.48	3,724.95
UNE61-1D8 100 pg RNA	27.63	2,872.52	26.37	3,523.26	27.81	2,960.72
UNE61-1D8 100 pg RNA	27.77	2,589.98	26.3	3,687.82	27.76	3,050.36
UNE64 100 pg RNA	25.41	13,512.29	24.49	12,831.40	26.37	8,152.84
UNE64 100 pg RNA	25.63	11,560.42	24.56	12,157.48	26.02	10,445.95
UNE64 100 pg RNA	25.48	12,869.69	24.27	14,905.92	26.23	9,022.16
UNE64-1B 100 pg RNA	28.57	1,485.88	27.28	1,885.35	28.77	1,500.87
UNE64-1B 100 pg RNA	28.52	1,537.57	27.57	1,547.68	28.81	1,460.90
UNE64-1B 100 pg RNA	28.18	1,945.26	27.23	1,948.09	28.79	1,477.25

Table B6: *pnpA* qPCR raw data for all the strains. CCN – calculated copy number.

	<i>aprV2</i> assay 1	<i>aprV2</i> assay 2
Standard Curve (1)	conc= $10^{(-0.319*CT + 12.572)}$	conc= $10^{(-0.333*CT + 13.560)}$
Standard Curve (2)	CT = $-3.140*\log(\text{conc}) + 39.471$	CT = $-3.002*\log(\text{conc}) + 40.707$
Reaction efficiency (*)	1.08216 (* = $10^{(-1/m)} - 1$)	1.15329 (* = $10^{(-1/m)} - 1$)
M	-3.13957	-3.00208
B	39.47083	40.70683
R Value	0.99395	0.9935
R ² Value	0.98794	0.98705

Table B7: *aprV2* qPCR assays 1 and 2 quantification statistics

	<i>aprV2</i> assay 3	<i>aprV2</i> assay 4
Standard Curve (1)	conc= $10^{(-0.301*CT + 12.597)}$	conc= $10^{(-0.303*CT + 12.993)}$
Standard Curve (2)	CT = $-3.317*\log(\text{conc}) + 41.782$	CT = $-3.296*\log(\text{conc}) + 42.823$
Reaction efficiency (*)	1.00211 (* = $10^{(-1/m)} - 1$)	1.01098 (* = $10^{(-1/m)} - 1$)
M	-3.31689	-3.2959
B	41.78218	42.82288
R Value	0.99726	0.99954
R ² Value	0.99453	0.99908

Table B8: *aprV2* qPCR assays 3 and 4 quantification statistics

Sample	aprV2 assay 1		aprV2 assay 2	
	Ct value	CCN	Ct value	CCN
stds pJH3.1 10*6	20.63	1,006,173.97	22.43	1,224,381.82
stds pJH3.1 10*6	21.19	666,231.53	22.36	1,287,876.77
stds pJH3.1 10*4	27.02	9,223.79	29.5	5,399.72
stds pJH3.1 10*4	25.71	24,126.46	29.08	7,448.10
stds pJH3.1 10*2	33.55	76.76	34.11	157.68
stds pJH3.1 10*2	33.38	87.32	-	-
A198 100 pg/ul RNA	23.62	111,522.41	24.6	231,820.20
A198 100 pg/ul RNA	23.47	124,504.78	24.06	350,816.71
A198 100 pg/ul RNA	23.56	116,732.44	24.16	324,283.06
C305 100 pg/ul RNA	-	-	-	-
C305 100 pg/ul RNA	-	-	-	-
C305 100 pg/ul RNA	-	-	-	-
819 100 pg/ul RNA	23.44	128,065.93	23.8	428,242.89
819 100 pg/ul RNA	22.92	186,523.95	23.5	537,648.72
819 100 pg/ul RNA	23.6	113,638.95	23.71	457,463.88
819S1B 100 pg/ul RNA	24.46	60,290.43	24.99	172,367.87
819S1B 100 pg/ul RNA	24.72	49,823.18	24.8	199,195.25
819S1B 100 pg/ul RNA	24.57	55,623.11	25	170,202.90
1493 100 pg/ul RNA	23.88	92,408.44	23.88	401,451.82
1493 100 pg/ul RNA	23.94	88,759.55	23.8	427,041.71
1493 100 pg/ul RNA	22.94	183,788.87	24.09	343,021.55
1493-pCF5B 100 pg/ul RNA	23.3	141,256.52	23.72	456,821.86
1493-pCF5B 100 pg/ul RNA	23.04	171,622.85	23.23	661,862.96
1493-pCF5B 100 pg/ul RNA	23	176,058.19	23.77	437,360.03
2483 100 pg/ul RNA	23.9	91,175.78	24.72	212,190.42
2483 100 pg/ul RNA	24.16	75,549.04	24.34	283,381.24
2483 100 pg/ul RNA	23.99	85,369.31	24.27	299,756.25
2483-pCF5D 100 pg/ul RNA	25.5	28,117.75	26.14	71,354.45
2483-pCF5D 100 pg/ul RNA	25.9	21,009.82	25.61	107,226.07
2483-pCF5D 100 pg/ul RNA	25.64	25,389.61	26.1	73,387.08
UNE61 100 pg/ul RNA	24.98	41,173.19	23.4	581,640.48
UNE61 100 pg/ul RNA	24.99	40,952.61	25.01	169,487.30
UNE61 100 pg/ul RNA	22.44	265,178.13	25.22	144,412.67
UNE61-1D8 100 pg/ul RNA	25.1	37,782.31	25.4	125,490.95
UNE61-1D8 100 pg/ul RNA	24.92	43,212.59	25.36	129,428.78
UNE61-1D8 100 pg/ul RNA	24.98	41,173.19	25.38	127,623.77
UNE64 100 pg/ul RNA	22.58	239,770.84	22.96	814,774.70
UNE64 100 pg/ul RNA	22.81	202,175.11	22.89	863,067.20
UNE64 100 pg/ul RNA	22.32	290,143.81	22.71	991,807.89
UNE64-1B 100 pg/ul RNA	24.75	48,698.63	24.61	230,198.05
UNE64-1B 100 pg/ul RNA	24.87	44,748.04	24.5	249,733.91
UNE64-1B 100 pg/ul RNA	24.98	41,283.92	24.68	217,317.43

Table B9: *aprV2* qPCR raw data from assays 1 and 2 for all the strains. CCN – calculated copy number.

Sample	<i>aprV2</i> assay 3		<i>aprV2</i> assay 4	
	Ct value	CCN	Ct value	CCN
stds pJH3.1 10*6	21.57	1,240,988.81	23.01	1,024,602.84
stds pJH3.1 10*6	21.82	1,043,975.92	23.24	875,431.60
stds pJH3.1 10*4	28.6	9,393.59	29.51	10,950.76
stds pJH3.1 10*4	29.17	6,342.36	29.46	11,350.10
stds pJH3.1 10*2	34.78	129.55	36.39	89.69
stds pJH3.1 10*2	-	-	-	-
A198 100 pg/ul RNA	23.92	243,250.15	24.47	371,060.26
A198 100 pg/ul RNA	24.08	216,954.94	24.29	419,544.25
A198 100 pg/ul RNA	23.9	245,736.37	24.49	364,474.10
C305 100 pg/ul RNA	-	-	-	-
C305 100 pg/ul RNA	-	-	-	-
C305 100 pg/ul RNA	-	-	-	-
819 100 pg/ul RNA	23.68	286,957.95	24.4	390,041.76
819 100 pg/ul RNA	23.52	320,105.89	23.6	679,551.26
819 100 pg/ul RNA	23.8	263,196.17	24.35	403,232.53
819S1B 100 pg/ul RNA	24.63	148,169.11	25.44	187,403.53
819S1B 100 pg/ul RNA	24.67	144,449.78	25.66	161,147.00
819S1B 100 pg/ul RNA	24.53	159,505.61	25.65	162,181.01
1493 100 pg/ul RNA	23.88	250,148.55	25.26	212,433.12
1493 100 pg/ul RNA	24.14	208,307.20	25.07	242,661.01
1493 100 pg/ul RNA	23.94	240,177.72	25.19	223,300.09
1493-pCF5B 100 pg/ul RNA	23.16	410,148.74	24	513,517.86
1493-pCF5B 100 pg/ul RNA	22.9	493,159.18	24.15	462,972.88
1493-pCF5B 100 pg/ul RNA	23.06	439,848.95	24.28	423,317.93
2483 100 pg/ul RNA	24.09	215,033.08	25.19	224,445.61
2483 100 pg/ul RNA	24.05	221,976.12	25.34	202,094.99
2483 100 pg/ul RNA	24.39	175,237.44	25.17	227,626.19
2483-pCF5D 100 pg/ul RNA	26.15	51,589.92	26.77	74,131.02
2483-pCF5D 100 pg/ul RNA	25.89	61,795.16	26.37	97,848.81
2483-pCF5D 100 pg/ul RNA	26.43	42,526.03	26.95	65,313.06
UNE61 100 pg/ul RNA	25.39	87,541.36	25.23	217,381.32
UNE61 100 pg/ul RNA	25.03	112,023.46	25.06	245,785.10
UNE61 100 pg/ul RNA	25.12	105,392.83	25	255,400.78
UNE61-1D8 100 pg/ul RNA	25.48	82,150.71	25.79	146,967.81
UNE61-1D8 100 pg/ul RNA	25.19	100,423.09	25.89	136,807.88
UNE61-1D8 100 pg/ul RNA	25.03	112,308.61	26.32	101,417.08
UNE64 100 pg/ul RNA	22.73	554,338.15	23.83	579,873.60
UNE64 100 pg/ul RNA	23.2	399,345.28	23.92	544,641.98
UNE64 100 pg/ul RNA	23.24	390,311.94	24.27	426,034.18
UNE64-1B 100 pg/ul RNA	24.94	119,830.41	25.68	159,506.28
UNE64-1B 100 pg/ul RNA	24.72	139,753.87	25.78	148,479.56
UNE64-1B 100 pg/ul RNA	25.11	106,064.80	25.86	140,532.83

Table B10: *aprV2* qPCR raw data from assays 3 and 4 for all the strains. CCN – calculated copy number.