

Table S1. Collaborative study nested PCR and real-time PCR contributing laboratory data.

Nested PCR (nPCR) and real-time PCR (qPCR) results from five laboratories participating in the collaborative validation study are shown for samples and sub-samples (sub-sample ID) where applicable. Two analysts at each laboratory performed the qPCR analysis (Analyst A and Analyst B). PCRs were run in triplicate for each sample. The number of positive nPCR replicates at each laboratory are indicated for each sample (nPCR score). The qPCR *Cyclospora* (18S) and internal amplification control (IAC) target C_q values for each replicate reaction of undiluted sample are shown (1×). Results are also shown if the sample was analyzed diluted fourfold (1/4). Reactions producing no qPCR amplification signal above the threshold are indicated (undetermined). The qPCR scores were based on the number of positive 18S target sample replicates producing amplification above the threshold with a C_q ≤ 38.0 out of three replicates tested either undiluted or diluted if necessary. For each analysis (nPCR, qPCR A, and qPCR B), a sample was considered positive if the score ≥ 1, and negative if the score = 0.

Lab 1													
Sample ID	Seeding level	Matrix	nPCR score	qPCR Analyst A					qPCR Analyst B				
				1×		1/4		Score	1×		1/4		Score
				18S C _q	IAC C _q	18S C _q	IAC C _q		18S C _q	IAC C _q	18S C _q	IAC C _q	
1	5	cilantro	3	35.6	27.9			3	33.4	25.8			3
1	5	cilantro		35.3	28.1				34.8	26.1			
1	5	cilantro		34.6	27.8				33.7	25.7			
2	200	cilantro	3	30.1	29.3			3	29.7	26.0			3
2	200	cilantro		30.5	28.9				30.1	25.8			
2	200	cilantro		30.1	29.2				30.2	26.0			
3	200	cilantro	3	31.3	28.6			3	31.6	25.6			3
3	200	cilantro		31.5	28.1				31.4	25.8			
3	200	cilantro		31.2	28.2				31.5	25.6			
4	0	cilantro											
4	0	cilantro		Lab 1 sample 4 excluded from study.									
4	0	cilantro											
5	10	cilantro	3	36.2	27.9			3	36.0	25.9			3
5	10	cilantro		37.8	27.4				36.4	25.6			
5	10	cilantro		37.3	27.9				37.2	25.5			
6	0	cilantro	0	Undeterm	27.3	Undeterm	26.8	0	Undeterm	25.3	Undeterm	25.4	0
6	0	cilantro		Undeterm	27.5	Undeterm	27.0		Undeterm	25.3	Undeterm	25.4	
6	0	cilantro		Undeterm	27.7	Undeterm	27.1		Undeterm	25.5	Undeterm	25.3	
7	10	cilantro	3	40.0	28.0			2	39.9	25.5			2
7	10	cilantro		36.3	27.5				36.8	25.6			
7	10	cilantro		35.3	27.3				35.6	25.3			
8	5	cilantro	0	Undeterm	27.5	Undeterm	26.9	0	Undeterm	25.6			0
8	5	cilantro		Undeterm	27.3	Undeterm	26.8		Undeterm	25.5			
8	5	cilantro		Undeterm	27.5	Undeterm	26.6		Undeterm	25.5			
9	200	cilantro	3	32.4	28.6			3	32.5	26.3			3
9	200	cilantro		33.5	27.9				34.0	25.7			
9	200	cilantro		33.1	27.9				33.4	25.8			
10	0	cilantro	0	Undeterm	27.9	Undeterm	26.4	0	Undeterm	26.2			0
10	0	cilantro		Undeterm	28.1	Undeterm	26.5		38.6	26.2			
10	0	cilantro		Undeterm	28.2	Undeterm	26.8		38.2	26.3			
11	5	cilantro	0	Undeterm	27.4	Undeterm	26.9	0	Undeterm	25.6	Undeterm	25.2	0
11	5	cilantro		Undeterm	27.3	Undeterm	26.9		Undeterm	25.4	Undeterm	25.4	
11	5	cilantro		Undeterm	26.9	Undeterm	26.6		Undeterm	25.3	Undeterm	25.3	
12	0	cilantro	0	Undeterm	27.4	Undeterm	26.6	0	Undeterm	25.3	Undeterm	25.3	0

12	0	cilantro		Undetern	27.1	Undetern	26.9		Undetern	25.4	Undetern	25.3	
12	0	cilantro		Undetern	27.2	Undetern	26.9		Undetern	25.6	Undetern	25.2	
13	10	cilantro	2	34.1	31.4			3	36.1	28.5			3
13	10	cilantro		34.4	29.5				34.5	26.6			
13	10	cilantro		35.0	29.7				34.9	27.2			
14	10	cilantro	2	37.1	27.2			2	Undetern	25.2	Undetern	25.3	1
14	10	cilantro		Undetern	27.5				Undetern	25.1	37.3	25.3	
14	10	cilantro		36.3	27.5				Undetern	25.2	Undetern	25.3	
15	5	cilantro	0	Undetern	31.9	Undetern	27.6	0	Undetern	29.8	Undetern	25.3	0
15	5	cilantro		Undetern	31.4	Undetern	27.3		Undetern	28.2	Undetern	25.5	
15	5	cilantro		Undetern	30.3	Undetern	27.1		Undetern	27.4	Undetern	25.3	
16	200	cilantro	3	34.2	28.3			3	33.2	25.4			3
16	200	cilantro		34.7	28.2				34.0	25.3			
16	200	cilantro		34.5	28.2				34.7	25.4			
17	0	cilantro	0	Undetern	27.3	Undetern	26.6	0	Undetern	25.3	Undetern	25.2	0
17	0	cilantro		Undetern	27.1	Undetern	26.6		Undetern	25.4	Undetern	25.1	
17	0	cilantro		Undetern	27.1	Undetern	26.6		Undetern	25.4	Undetern	25.2	
18	10	cilantro	2	36.1	27.2			2	Undetern	25.5			1
18	10	cilantro		Undetern	27.6				35.1	25.7			
18	10	cilantro		35.6	27.6				Undetern	25.6			
19	5	cilantro	0	Undetern	27.4	Undetern	27.1	0	Undetern	25.5	Undetern	25.2	0
19	5	cilantro		Undetern	27.2	Undetern	26.8		Undetern	25.2	Undetern	25.3	
19	5	cilantro		Undetern	27.2	Undetern	26.7		Undetern	25.2	Undetern	25.2	
20	200	cilantro	3	31.0	27.8			3	32.3	25.4			3
20	200	cilantro		31.1	27.7				30.8	25.7			
20	200	cilantro		31.4	27.8				30.8	25.8			
21	200	cilantro	3	34.8	27.8			3	34.3	25.6			3
21	200	cilantro		36.1	27.6				35.1	25.5			
21	200	cilantro		36.8	27.6				35.1	25.4			
22	5	cilantro	0	Undetern	28.3	Undetern	26.8	0	Undetern	25.7	Undetern	25.3	0
22	5	cilantro		Undetern	28.5	40.9	27.0		Undetern	25.9	Undetern	25.2	
22	5	cilantro		Undetern	28.3	Undetern	27.0		Undetern	25.7	Undetern	25.2	
23	10	cilantro	1	Undetern	28.2			0	Undetern	25.5			1
23	10	cilantro		43.6	27.9				36.2	25.5			
23	10	cilantro		Undetern	27.7				Undetern	25.4			
24	0	cilantro	0	Undetern	28.9	Undetern	27.2	0	Undetern	25.8	Undetern	25.1	0
24	0	cilantro		Undetern	28.8	Undetern	26.9		Undetern	25.9	Undetern	25.2	
24	0	cilantro		Undetern	28.9	Undetern	26.8		Undetern	25.9	Undetern	25.1	
25	5	cilantro	0	Undetern	27.8	Undetern	26.6	0	Undetern	25.7	Undetern	25.2	0
25	5	cilantro		Undetern	27.8	Undetern	26.5		Undetern	25.7	Undetern	25.0	
25	5	cilantro		Undetern	27.6	Undetern	26.7		Undetern	25.6	Undetern	24.9	
26	5	cilantro	0	Undetern	27.3	Undetern	27.0	0	Undetern	25.6	Undetern	25.1	0
26	5	cilantro		Undetern	27.5	Undetern	27.1		Undetern	25.6	Undetern	25.2	
26	5	cilantro		Undetern	27.6	Undetern	26.9		Undetern	25.4	Undetern	25.2	
27	10	cilantro	3	36.0	27.4			2	35.3	25.6			2
27	10	cilantro		38.6	27.4				35.8	25.5			
27	10	cilantro		37.9	27.3				Undetern	25.3			
28	0	cilantro	0	Undetern	27.3	Undetern	26.9	0	Undetern	25.4	Undetern	25.3	0
28	0	cilantro		Undetern	27.3	Undetern	26.9		Undetern	25.4	Undetern	25.2	
28	0	cilantro		Undetern	27.2	Undetern	27.0		Undetern	25.6	Undetern	25.0	
29	0	cilantro	0	Undetern	28.7	Undetern	26.9	0	Undetern	29.1	Undetern	25.0	0
29	0	cilantro		Undetern	29.0	Undetern	27.0		Undetern	25.7	Undetern	25.2	
29	0	cilantro		Undetern	28.1	Undetern	26.7		Undetern	25.8	Undetern	25.1	
30	10	cilantro	1	34.5	28.1			3	33.9	25.9			3
30	10	cilantro		34.5	27.7				34.5	26.3			

30	10	cilantro		34.8	27.6			36.0	26.1				
31	200	cilantro	2	35.4	27.2		3	35.1	25.4			3	
31	200	cilantro		36.5	27.7			35.4	25.3				
31	200	cilantro		35.8	27.3			34.5	25.4				
32	200	cilantro	3	31.7	27.9		3	30.8	25.8			3	
32	200	cilantro		31.4	28.0			31.2	25.6				
32	200	cilantro		31.3	28.3			31.2	25.7				
33	200	raspberries	3	32.5	27.7		3	31.8	25.5			3	
33	200	raspberries		32.3	27.5			31.6	25.5				
33	200	raspberries		32.2	27.6			32.2	25.5				
34	10	raspberries	1	36.4	27.5		2	41.1	25.6			1	
34	10	raspberries		Undetern	27.3			Undetern	25.8				
34	10	raspberries		37.4	27.5			37.3	25.4				
35	200	raspberries	3	32.3	27.2		3	32.4	25.5			3	
35	200	raspberries		31.9	27.4			31.9	25.4				
35	200	raspberries		32.8	27.4			31.9	25.4				
36	0	raspberries	0	Undetern	27.1	Undetern	27.2	0	Undetern	25.2	Undetern	25.0	0
36	0	raspberries		Undetern	27.3	Undetern	27.3		Undetern	25.3	Undetern	25.3	
36	0	raspberries		Undetern	27.3	Undetern	27.2		Undetern	25.5	Undetern	25.1	
37	10	raspberries	2	44.5	27.3		1	36.8	25.3			3	
37	10	raspberries		35.7	27.2			36.7	25.3				
37	10	raspberries		38.1	27.2			37.2	25.2				
38	0	raspberries	0	Undetern	27.3	Undetern	27.5	0	Undetern	25.4	Undetern	24.9	0
38	0	raspberries		Undetern	26.9	Undetern	27.2		Undetern	25.3	Undetern	25.0	
38	0	raspberries		Undetern	26.9	Undetern	27.4		Undetern	25.4	Undetern	25.2	
39	10	raspberries	1	36.0	27.1		3	36.6	25.5			1	
39	10	raspberries		36.0	27.2			Undetern	25.4				
39	10	raspberries		34.8	27.0			Undetern	25.5				
40	10	raspberries	3	36.7	26.9		2	Undetern	25.3			1	
40	10	raspberries		37.0	27.3			37.1	25.2				
40	10	raspberries		Undetern	27.0			Undetern	25.3				
41	5	raspberries	0	Undetern	27.3	Undetern	27.5	0	Undetern	25.4	Undetern	25.4	0
41	5	raspberries		Undetern	27.2	Undetern	27.0		Undetern	25.3	Undetern	25.2	
41	5	raspberries		Undetern	26.9	Undetern	27.8		Undetern	25.5	Undetern	25.1	
42	0	raspberries	0	Undetern	27.1	Undetern	27.2	0	Undetern	25.4	Undetern	24.9	0
42	0	raspberries		Undetern	27.1	Undetern	27.2		Undetern	25.5	Undetern	25.3	
42	0	raspberries		Undetern	27.2	Undetern	27.0		Undetern	25.6	Undetern	25.0	
43	5	raspberries	0	Undetern	27.3	Undetern	27.2	0	Undetern	25.4			0
43	5	raspberries		Undetern	27.2	Undetern	26.8		38.6	25.4			
43	5	raspberries		Undetern	27.1	Undetern	27.1		Undetern	25.5			
44	200	raspberries	3	32.9	27.5		3	32.2	25.6			3	
44	200	raspberries		32.1	27.5			32.6	25.5				
44	200	raspberries		32.9	27.8			32.2	25.6				

45	200	raspberries	3	32.3	27.7			3	32.1	25.3			3
45	200	raspberries		32.6	27.6				32.6	25.5			
45	200	raspberries		32.4	27.2				32.4	25.4			
46	5	raspberries	0	37.2	27.1			2	Undetern	25.4			0
46	5	raspberries		Undetern	26.9				38.4	25.2			
46	5	raspberries		36.3	27.0				Undetern	25.5			
47	5	raspberries	0	38.5	27.4			1	36.2	25.5			2
47	5	raspberries		Undetern	27.1				38.6	25.4			
47	5	raspberries		37.3	27.0				36.0	25.4			
48	0	raspberries	0	Undetern	27.2	Undetern	26.9	0	38.4	25.2			0
48	0	raspberries		Undetern	26.9	Undetern	27.1		Undetern	25.4			
48	0	raspberries		Undetern	27.5	Undetern	27.1		Undetern	25.5			
49	200	raspberries	3	30.6	27.3			3	30.1	25.3			3
49	200	raspberries		30.8	27.1				30.3	25.2			
49	200	raspberries		30.8	26.9				31.3	25.2			
50	0	raspberries	0	Undetern	26.8	Undetern	27.0	0	Undetern	25.1	Undetern	25.1	0
50	0	raspberries		Undetern	26.8	Undetern	26.9		Undetern	25.3	Undetern	25.1	
50	0	raspberries		Undetern	27.1	Undetern	26.9		Undetern	25.4	Undetern	25.1	
51	10	raspberries	3	34.7	27.3			3	35.3	25.4			3
51	10	raspberries		33.9	27.2				34.5	25.4			
51	10	raspberries		34.8	27.0				34.7	25.5			
52	10	raspberries	2	Undetern	27.3			1	35.9	25.5			2
52	10	raspberries		36.7	27.4				Undetern	25.3			
52	10	raspberries		Undetern	27.3				37.2	25.5			
53	0	raspberries	0	Undetern	27.5	Undetern	26.9	0	Undetern	25.4	Undetern	24.9	0
53	0	raspberries		Undetern	27.2	Undetern	26.5		Undetern	25.4	Undetern	25.1	
53	0	raspberries		Undetern	27.1	Undetern	26.7		Undetern	25.1	Undetern	25.1	
54	10	raspberries	3	35.6	27.2			3	34.7	25.4			3
54	10	raspberries		36.0	27.0				37.0	25.3			
54	10	raspberries		35.5	27.1				37.5	25.5			
55	10	raspberries	2	Undetern	27.7	Undetern	26.9	0	36.2	25.6			3
55	10	raspberries		Undetern	27.4	Undetern	26.7		36.9	25.6			
55	10	raspberries		Undetern	27.4	Undetern	26.7		37.3	25.4			
56	200	raspberries	3	29.8	27.4			3	29.5	25.5			3
56	200	raspberries		30.2	27.4				29.9	25.5			
56	200	raspberries		29.9	27.9				30.0	25.5			
57	0	raspberries	0	Undetern	27.6	Undetern	26.7	0	Undetern	25.4	Undetern	25.3	0
57	0	raspberries		Undetern	27.0	Undetern	26.5		Undetern	25.7	Undetern	25.1	
57	0	raspberries		Undetern	27.1	Undetern	26.8		Undetern	25.4	Undetern	25.1	
58	0	raspberries	0	Undetern	27.3	Undetern	26.8	0	Undetern	25.3	Undetern	25.0	0
58	0	raspberries		Undetern	27.4	Undetern	26.8		Undetern	25.4	Undetern	25.0	
58	0	raspberries		Undetern	27.4	Undetern	26.6		Undetern	25.7	Undetern	25.1	

59	5	raspberries	0	Undetern	27.7	1	Undetern	25.7	Undetern	25.2	0
59	5	raspberries			38.1		Undetern	25.7	Undetern	25.2	
59	5	raspberries			37.0		Undetern	25.7	Undetern	24.9	
60	5	raspberries	2	Undetern	28.0	1	36.7	25.7			3
60	5	raspberries			37.3		37.5	25.5			
60	5	raspberries		Undetern	28.1		35.7	25.6			
61	5	raspberries	1		36.4	2	37.0	25.8			3
61	5	raspberries			37.2		37.5	25.8			
61	5	raspberries			41.4		36.9	25.9			
62	5	raspberries	2		38.2	1	36.6	26.0			1
62	5	raspberries			37.8		41.5	25.9			
62	5	raspberries		Undetern	27.6		Undetern	26.0			
63	200	raspberries	3		34.6	3	33.0	26.0			3
63	200	raspberries			34.1		33.9	26.2			
63	200	raspberries			34.8		33.8	25.7			
64	200	raspberries	3		33.5	3	34.1	25.8			3
64	200	raspberries			33.6		33.9	25.4			
64	200	raspberries			33.6		32.9	26.0			
DNA Extractio: week of Aug 31			0	Undetern	27.0	0	Undetern	25.8			0
DNA Extractio: week of Aug 31				Undetern	27.3		Undetern	25.7			
DNA Extractio: week of Aug 31				Undetern	27.3		Undetern	25.6			
DNA Extractio: week of Oct 26			0	Undetern	27.5	0	Undetern	25.7			0
DNA Extractio: week of Oct 26				Undetern	27.2		Undetern	25.7			
DNA Extractio: week of Oct 26				Undetern	27.1		Undetern	25.7			
DNA Extractio: week of Dec 14			0	Undetern	26.9	0	Undetern	25.8			0
DNA Extractio: week of Dec 14				Undetern	26.8		Undetern	25.6			
DNA Extractio: week of Dec 14				Undetern	27.1		Undetern	25.5			
DNA Extractio: week of July 20			0	Undetern	27.4	0	Undetern	25.5			0
DNA Extractio: week of July 20				Undetern	27.0		Undetern	25.6			
DNA Extractio: week of July 20				Undetern	27.0		Undetern	25.7			
DNA Extractio: week of Oct 5			0	Undetern	27.1	0	Undetern	25.6			0
DNA Extractio: week of Oct 5				Undetern	27.3		Undetern	25.6			
DNA Extractio: week of Oct 5				Undetern	27.3		Undetern	25.6			
DNA Extractio: week of Nov 16			0	Undetern	27.1	0	Undetern	25.6			0
DNA Extractio: week of Nov 16				Undetern	27.3		Undetern	25.7			
DNA Extractio: week of Nov 16				Undetern	27.0		Undetern	25.5			
DNA Extractio: week of Jan 4			0	Undetern	26.7	0	Undetern	25.5			0
DNA Extractio: week of Jan 4				Undetern	26.7		Undetern	25.4			
DNA Extractio: week of Jan 4				Undetern	26.9		Undetern	25.5			
DNA Extractio: week of Aug 10			0	Undetern	27.8	0	Undetern	25.6			0
DNA Extractio: week of Aug 10				Undetern	27.0		Undetern	25.4			
DNA Extractio: week of Aug 10				Undetern	27.2		Undetern	25.6			

Lab 2

Sample ID	Seeding level	Matrix	nPCR score	qPCR Analyst A					qPCR Analyst B				
				1×		1/4		Score	1×		1/4		Score
				18S C _q	IAC C _q	18S C _q	IAC C _q		18S C _q	IAC C _q	18S C _q	IAC C _q	
1	5	cilantro	1	35.7	26.3			2	Undetern	26.2			2
1	5	cilantro		Undetern	25.9				37.2	25.5			
1	5	cilantro		35.7	26.0				36.7	25.8			
2	200	cilantro	3	32.9	26.6			3	32.8	26.5			3
2	200	cilantro		32.9	26.9				33.1	26.5			
2	200	cilantro		33.2	26.6				32.6	26.4			
3	200	cilantro	3	34.7	25.7			3	34.0	25.3			3
3	200	cilantro		34.4	26.0				33.8	25.3			
3	200	cilantro		34.1	26.0				35.0	25.4			
4	0	cilantro	0	Undetern	26.0	Undetern	25.8	0	Undetern	25.8	Undetern	26.7	0
4	0	cilantro		Undetern	26.1	Undetern	26.1		Undetern	25.6	Undetern	26.7	
4	0	cilantro		Undetern	25.8	Undetern	26.1		Undetern	25.6	Undetern	27.0	
5	10	cilantro	1	39.6	26.1			1	40.1	26.0			1
5	10	cilantro		37.4	26.4				37.6	25.5			
5	10	cilantro		Undetern	26.1				Undetern	25.9			
6	0	cilantro	0	Undetern	26.2	Undetern	25.9	0	Undetern	25.5	Undetern	27.0	0
6	0	cilantro		Undetern	26.3	Undetern	25.4		Undetern	25.8	Undetern	26.4	
6	0	cilantro		Undetern	26.1	Undetern	26.0		Undetern	25.7	Undetern	26.6	
7	10	cilantro	1	Undetern	26.7	Undetern	26.4	0	Undetern	26.0			1
7	10	cilantro		Undetern	26.7	Undetern	26.2		Undetern	26.3			
7	10	cilantro		Undetern	26.8	Undetern	26.3		37.3	26.0			
8	5	cilantro	3	36.6	28.9			2	37.0	26.4			2
8	5	cilantro		35.6	28.2				Undetern	26.2			
8	5	cilantro		Undetern	28.3				37.4	26.1			
9	200	cilantro	3	33.0	27.6			3	33.4	26.0			3
9	200	cilantro		33.9	27.9				34.1	26.3			
9	200	cilantro		33.1	28.0				32.9	26.4			
10	0	cilantro	0	Undetern	27.7	Undetern	25.7	0	Undetern	26.5	Undetern	26.9	0
10	0	cilantro		Undetern	26.9	Undetern	26.1		Undetern	25.6	Undetern	26.7	
10	0	cilantro		Undetern	27.6	Undetern	26.1		Undetern	25.7	Undetern	27.0	
11	5	cilantro	1	Undetern	30.0	Undetern	26.3	0	Undetern	28.4	Undetern	27.2	0
11	5	cilantro		Undetern	30.3	Undetern	26.0		Undetern	27.6	Undetern	27.0	
11	5	cilantro		Undetern	29.8	Undetern	25.9		Undetern	27.1	Undetern	26.9	
12	0	cilantro	0	Undetern	34.6	Undetern	26.2	0	Undetern	31.7	Undetern	27.3	0

12	0	cilantro		Undetern	32.6	Undetern	26.2		Undetern	30.8	Undetern	26.8	
12	0	cilantro		Undetern	33.4	Undetern	25.2		Undetern	30.9	Undetern	26.4	
13	10	cilantro	2		39.3	34.0		0		41.0	35.8		0
13	10	cilantro		Undetern	37.7				Undetern	35.9			
13	10	cilantro		Undetern	38.2					39.6	35.6		
14	10	cilantro	3		38.3	30.2		2		34.1	28.0		3
14	10	cilantro			34.1	28.8				35.4	26.8		
14	10	cilantro			34.7	28.5				35.0	26.6		
15	5	cilantro	0	Undetern	27.8	Undetern	26.3	0	Undetern	26.0	Undetern	27.9	0
15	5	cilantro		Undetern	27.6	Undetern	26.1		Undetern	25.9	Undetern	27.3	
15	5	cilantro		Undetern	28.2	Undetern	26.2		Undetern	26.1	Undetern	27.0	
16	200	cilantro	3		34.5	30.7		3		33.8	28.0		3
16	200	cilantro			34.1	30.5				35.0	27.7		
16	200	cilantro			34.9	30.5				34.5	28.2		
17	0	cilantro	0	Undetern	26.8	Undetern	25.1	0	Undetern	26.4	Undetern	27.0	0
17	0	cilantro		Undetern	26.7	Undetern	25.4		Undetern	26.2	Undetern	26.9	
17	0	cilantro		Undetern	25.9	Undetern	26.5		Undetern	25.9	Undetern	26.8	
18	10	cilantro	3		37.0	31.8		3		36.8	31.5		3
18	10	cilantro			36.5	30.9				37.3	31.5		
18	10	cilantro			37.6	30.2				37.3	31.2		
19	5	cilantro	0	Undetern	27.6	Undetern	26.7	0	Undetern	27.1	Undetern	27.9	0
19	5	cilantro		Undetern	27.3	Undetern	26.6		Undetern	27.1	Undetern	27.4	
19	5	cilantro		Undetern	26.8	Undetern	27.1		Undetern	26.7	Undetern	27.6	
20	200	cilantro	3		33.5	30.6		3		34.0	30.4		3
20	200	cilantro			33.9	30.4				34.6	31.6		
20	200	cilantro			33.1	29.8				33.5	30.7		
21	200	cilantro	3		32.7	26.9		3		32.4	26.3		3
21	200	cilantro			32.2	26.7				32.4	26.6		
21	200	cilantro			32.5	27.0				32.5	26.7		
22	5	cilantro	1	Undetern	26.3	Undetern	26.2	0	Undetern	26.1	Undetern	27.1	0
22	5	cilantro		Undetern	26.4	Undetern	25.9		Undetern	26.1	Undetern	27.2	
22	5	cilantro		Undetern	26.9	Undetern	26.1		Undetern	26.2	Undetern	26.9	
23	10	cilantro	2		39.0	26.5		0		36.2	26.3		2
23	10	cilantro		Undetern	26.1					37.0	25.8		
23	10	cilantro		Undetern	26.6				Undetern	26.0			
24	0	cilantro	1	Undetern	27.3	Undetern	26.3	0	Undetern	27.0	Undetern	27.5	0
24	0	cilantro		Undetern	27.3	Undetern	26.5		Undetern	27.2	Undetern	27.7	
24	0	cilantro		Undetern	28.2	Undetern	26.6		Undetern	27.5	Undetern	27.7	
25	5	cilantro	0	Undetern	27.5	Undetern	25.9	0	Undetern	25.9	Undetern	26.6	0
25	5	cilantro		Undetern	27.4	Undetern	25.9		Undetern	25.4	Undetern	26.4	
25	5	cilantro		Undetern	27.0	Undetern	25.8		Undetern	25.6	Undetern	26.7	
26	5	cilantro	0	Undetern	29.7			1		38.7	27.1		1
26	5	cilantro			37.7	29.5			Undetern	27.3			
26	5	cilantro		Undetern	29.5					37.1	27.6		
27	10	cilantro	2	Undetern	26.9	38.0	25.9	1		37.5	25.9		2
27	10	cilantro		Undetern	26.3	Undetern	26.2			38.0	25.3		
27	10	cilantro		Undetern	26.2	Undetern	26.0			39.9	25.0		
28	0	cilantro	0	Undetern	27.0	Undetern	26.3	0	Undetern	25.9	Undetern	26.7	0
28	0	cilantro		Undetern	27.3	Undetern	25.6		Undetern	25.6	Undetern	26.6	
28	0	cilantro		Undetern	27.0	Undetern	25.6		Undetern	25.5	Undetern	26.3	
29	0	cilantro	0	Undetern	28.1	Undetern	26.0	0	Undetern	26.1	Undetern	26.7	0
29	0	cilantro		Undetern	27.8	Undetern	26.4		Undetern	25.7	Undetern	26.7	
29	0	cilantro		Undetern	27.2	Undetern	26.2		Undetern	25.8	Undetern	26.7	
30	10	cilantro	3		39.2	27.8		2		36.7	25.9		3
30	10	cilantro			36.2	27.2				35.6	25.7		

30	10	cilantro		36.4	27.0			37.3	25.5				
31	200	cilantro	3	32.2	27.1		3	31.7	26.0			3	
31	200	cilantro		31.8	26.9			31.3	25.6				
31	200	cilantro		32.0	26.9			32.0	25.4				
32	200	cilantro	3	33.4	29.2		3	32.9	26.8			3	
32	200	cilantro		33.1	28.4			33.5	26.3				
32	200	cilantro		33.5	28.6			33.3	26.4				
33	200	raspberries	3	31.0	26.1		3	30.7	26.2			3	
33	200	raspberries		31.3	26.4			30.7	25.4				
33	200	raspberries		31.4	25.9			30.8	26.1				
34	10	raspberries	3	35.1	26.2		3	35.5	25.9			3	
34	10	raspberries		35.5	25.8			34.7	25.9				
34	10	raspberries		34.4	26.4			34.1	26.1				
35	200	raspberries	3	32.4	26.7		3	31.7	26.1			3	
35	200	raspberries		31.9	26.1			31.7	26.0				
35	200	raspberries		32.3	26.0			31.8	25.6				
36	0	raspberries	0	Undetern	26.4	Undetern	26.3	0	Undetern	26.0	Undetern	27.0	0
36	0	raspberries		Undetern	26.2	Undetern	25.6		Undetern	26.2	Undetern	26.7	
36	0	raspberries		Undetern	26.7	Undetern	25.9		Undetern	26.0	Undetern	26.5	
37	10	raspberries	3	34.4	26.9		3	34.6	27.1			3	
37	10	raspberries		35.4	26.3			34.5	26.6				
37	10	raspberries		34.3	26.3			34.9	26.3				
38	0	raspberries	0	Undetern	26.1	Undetern	26.0	0	Undetern	26.0	Undetern	27.0	0
38	0	raspberries		Undetern	25.9	Undetern	26.1		Undetern	26.2	Undetern	26.5	
38	0	raspberries		Undetern	26.4	Undetern	25.7		Undetern	26.3	Undetern	26.4	
39	10	raspberries	2	36.7	28.5		3	37.9	26.7			2	
39	10	raspberries		36.7	27.9			39.5	26.4				
39	10	raspberries		36.4	28.1			37.8	26.5				
40	10	raspberries	1	39.7	27.8		2	38.6	26.4			0	
40	10	raspberries		37.3	27.2			Undetern	26.1				
40	10	raspberries		37.6	27.1			Undetern	25.9				
41	5	raspberries	2	36.1	27.0		3	38.4	25.5			0	
41	5	raspberries		37.2	27.3			Undetern	25.5				
41	5	raspberries		37.0	27.0			38.4	25.3				
42	0	raspberries	0	Undetern	27.2	Undetern	26.1	0	Undetern	26.4	Undetern	27.4	0
42	0	raspberries		Undetern	28.6	Undetern	26.0		Undetern	26.5	Undetern	26.9	
42	0	raspberries		Undetern	Undetern	Undetern	25.7		Undetern	26.2	Undetern	26.6	
43	5	raspberries	1	Undetern	26.9		1	37.3	25.7			1	
43	5	raspberries		36.9	26.9			38.2	25.3				
43	5	raspberries		Undetern	26.9			Undetern	25.4				
44	200	raspberries	3	31.7	27.2		3	32.1	25.6			3	
44	200	raspberries		32.1	26.6			32.1	25.4				
44	200	raspberries		32.0	26.4			32.2	25.3				

45	200	raspberries	3	31.8	27.0			3	31.7	25.1		3	
45	200	raspberries		32.1	27.1				31.4	25.4			
45	200	raspberries		31.6	26.9				32.4	25.5			
46	5	raspberries	0	Undetern	26.3	Undetern	26.2	0	Undetern	25.3	Undetern	27.0	0
46	5	raspberries		Undetern	26.3	Undetern	25.8		Undetern	25.2	Undetern	26.8	
46	5	raspberries		Undetern	26.0	Undetern	26.2		Undetern	25.1	Undetern	26.3	
47	5	raspberries	1	36.3	26.9			2	Undetern	25.5	Undetern	27.4	0
47	5	raspberries		38.3	27.1				Undetern	25.1	Undetern	27.3	
47	5	raspberries		36.0	26.9				Undetern	25.8	Undetern	26.8	
48	0	raspberries	0	Undetern	27.0	Undetern	26.3	0	Undetern	25.5			0
48	0	raspberries		Undetern	27.1	Undetern	25.8		Undetern	26.0			
48	0	raspberries		Undetern	27.2	Undetern	26.1		Undetern	25.3			
49	200	raspberries	3	31.9	25.7			3	31.5	25.9			3
49	200	raspberries		32.2	26.4				32.2	25.9			
49	200	raspberries		32.0	26.5				31.5	25.9			
50	0	raspberries	0	Undetern	25.8	Undetern	25.9	0	Undetern	25.6	Undetern	27.0	0
50	0	raspberries		Undetern	25.9	Undetern	26.3		Undetern	25.1	Undetern	27.1	
50	0	raspberries		Undetern	25.7	Undetern	26.3		Undetern	25.4	Undetern	27.1	
51	10	raspberries	3	37.2	26.2			3	33.9	25.6			3
51	10	raspberries		34.3	25.8				35.1	25.6			
51	10	raspberries		36.4	25.9				34.4	25.6			
52	10	raspberries	2	36.9	25.6			3	40.7	25.5			2
52	10	raspberries		35.5	25.9				36.9	25.5			
52	10	raspberries		34.8	26.0				34.7	25.7			
53	0	raspberries	0	Undetern	26.1	Undetern	25.9	0	Undetern	25.4	Undetern	27.4	0
53	0	raspberries		Undetern	25.6	Undetern	26.2		Undetern	25.4	Undetern	27.1	
53	0	raspberries		Undetern	25.8	Undetern	26.3		Undetern	25.4	Undetern	27.6	
54	10	raspberries	2	37.9	26.1			3	Undetern	26.1			0
54	10	raspberries		37.1	26.2				42.1	25.9			
54	10	raspberries		37.2	26.4				Undetern	25.9			
55	10	raspberries	3	37.0	26.0			3	Undetern	25.5			1
55	10	raspberries		36.0	25.7				36.0	25.4			
55	10	raspberries		35.9	25.8				Undetern	25.4			
56	200	raspberries	3	31.3	26.5			3	30.7	25.9			3
56	200	raspberries		31.2	26.3				30.7	25.7			
56	200	raspberries		31.0	26.0				30.8	25.8			
57	0	raspberries	0	Undetern	29.2	Undetern	26.3	0	Undetern	27.0	Undetern	27.0	0
57	0	raspberries		Undetern	28.2	Undetern	26.6		Undetern	26.5	Undetern	27.0	
57	0	raspberries		Undetern	28.6	Undetern	26.0		Undetern	26.7	Undetern	27.3	
58	0	raspberries	0	Undetern	27.6	Undetern	26.4	0	Undetern	26.1	Undetern	27.6	0
58	0	raspberries		Undetern	28.0	Undetern	26.0		Undetern	26.1	Undetern	27.5	
58	0	raspberries		Undetern	27.7	Undetern	26.0		Undetern	26.0	Undetern	27.6	

59	5	raspberries	3	35.2	27.8			3	35.9	25.6		3	
59	5	raspberries		35.2	27.9				35.0	25.8			
59	5	raspberries		34.6	27.7				34.4	25.8			
60	5	raspberries	2	36.5	26.2			2	36.3	25.2		2	
60	5	raspberries		39.1	26.5				Undetern	25.0			
60	5	raspberries		36.7	26.6				37.2	25.4			
61	5	raspberries	1	36.2	29.9			2	36.9	27.3		1	
61	5	raspberries		38.0	29.3				38.1	26.9			
61	5	raspberries		41.4	28.9				Undetern	26.6			
62	5	raspberries	1	Undetern	29.0	Undetern	26.1	0	Undetern	25.8	Undetern	26.8	0
62	5	raspberries		Undetern	26.7	Undetern	25.9		Undetern	25.5	Undetern	26.4	
62	5	raspberries		Undetern	26.8	Undetern	25.4		Undetern	25.2	Undetern	26.0	
63	200	raspberries	3	33.7	27.6			3	34.2	25.7		3	
63	200	raspberries		33.7	27.3				33.8	25.6			
63	200	raspberries		34.3	27.3				34.6	25.2			
64	200	raspberries	1	37.3	29.8			3	37.3	27.0		3	
64	200	raspberries		36.4	28.3				37.6	26.4			
64	200	raspberries		36.1	28.5				35.6	26.4			
DNA Extraction week of Aug 31			0	Undetern	28.3			0	Undetern	26.1		0	
DNA Extraction week of Aug 31				Undetern	27.6				Undetern	25.6			
DNA Extraction week of Aug 31				Undetern	27.3				Undetern	25.6			
DNA Extraction week of Oct 26			0	Undetern	29.8			0	Undetern	27.5		0	
DNA Extraction week of Oct 26				Undetern	28.5				Undetern	26.5			
DNA Extraction week of Oct 26				Undetern	28.4				Undetern	26.3			
DNA Extraction week of Dec 14			0	Undetern	29.2			0	Undetern	26.7		0	
DNA Extraction week of Dec 14				Undetern	28.5				Undetern	26.4			
DNA Extraction week of Dec 14				Undetern	28.2				Undetern	26.2			
DNA Extraction week of July 20			0	Undetern	25.7	Undetern	26.2	0	Undetern	25.2	Undetern	26.9	0
DNA Extraction week of July 20				Undetern	25.9	Undetern	25.9		Undetern	25.5	Undetern	26.5	
DNA Extraction week of July 20				Undetern	25.9	Undetern	25.9		Undetern	25.7	Undetern	26.4	
DNA Extraction week of Oct 5			0	Undetern	29.7			0	Undetern	28.0		0	
DNA Extraction week of Oct 5				Undetern	29.6				Undetern	27.3			
DNA Extraction week of Oct 5				Undetern	29.6				Undetern	27.2			
DNA Extraction week of Nov 16			0	Undetern	28.3			0	Undetern	26.3		0	
DNA Extraction week of Nov 16				Undetern	28.8				Undetern	26.6			
DNA Extraction week of Nov 16				Undetern	28.5				Undetern	26.4			
DNA Extraction week of Jan 4			0	Undetern	28.7			0	Undetern	26.5		0	
DNA Extraction week of Jan 4				Undetern	28.5				Undetern	26.4			
DNA Extraction week of Jan 4				Undetern	28.9				Undetern	26.6			
DNA Extraction week of Aug 10			0	Undetern	30.2			0	Undetern	27.9		0	
DNA Extraction week of Aug 10				Undetern	30.9				Undetern	27.6			
DNA Extraction week of Aug 10				Undetern	29.7				Undetern	26.4			

Lab 3

Sample ID	Seeding level	Matrix	nPCR score	qPCR Analyst A					qPCR Analyst B					
				1×		1/4			1×		1/4			
				18S C _q	IAC C _q	18S C _q	IAC C _q	Score	18S C _q	IAC C _q	18S C _q	IAC C _q	Score	
1	5	cilantro	0	38.4	31.5				38.4	29.5				0
1	5	cilantro		38.1	31.0				38.1	29.9				
1	5	cilantro		41.4	31.0				41.6	29.5				
2	200	cilantro	3	31.0	30.9			3	29.5	30.0				3
2	200	cilantro		31.1	31.0				29.3	30.2				
2	200	cilantro		31.3	31.2				29.4	30.0				
3	200	cilantro	3	29.8	31.0			3	32.5	29.5				3
3	200	cilantro		29.8	31.0				32.2	29.6				
3	200	cilantro		29.8	31.0				32.2	29.8				
4	0	cilantro	0	Undetern	28.1	Undetern	30.5	0	Undetern	30.1	Undetern	28.0		0
4	0	cilantro		Undetern	28.4	Undetern	30.6		Undetern	30.4	Undetern	28.3		
4	0	cilantro		Undetern	28.2	Undetern	29.9		Undetern	30.3	Undetern	28.1		
5	10	cilantro	0	30.8	28.1			3	Undetern	30.3	Undetern	28.0		0
5	10	cilantro		30.9	28.2				Undetern	30.4	Undetern	28.0		
5	10	cilantro		31.2	28.6				Undetern	30.7	Undetern	28.4		
6	0	cilantro	0	38.7	30.8			0	38.5	28.0				0
6	0	cilantro		38.8	30.6				39.8	27.9				
6	0	cilantro		38.7	30.9				41.6	28.0				
7	10	cilantro	0	33.8	30.6			3	33.7	29.7				3
7	10	cilantro		33.9	30.9				33.8	29.8				
7	10	cilantro		33.6	31.0				33.4	29.6				
8	5	cilantro	0	38.7	30.9			2	39.2	30.1				2
8	5	cilantro		37.9	30.9				37.8	29.9				
8	5	cilantro		35.9	31.0				35.8	29.9				
9	200	cilantro	3	31.9	28.2			3	32.3	31.6				3
9	200	cilantro		31.6	28.5				33.8	34.4				
9	200	cilantro		32.3	28.2				33.7	34.2				
10	0	cilantro	0	Undetern	30.6	Undetern	28.3	0	Undetern	28.5	Undetern	30.5		0
10	0	cilantro		Undetern	30.5	Undetern	28.2		Undetern	28.4	Undetern	30.6		
10	0	cilantro		Undetern	30.6	Undetern	28.4		Undetern	28.7	Undetern	29.9		
11	5	cilantro	0	34.7	27.9			3	34.7	30.5				3
11	5	cilantro		35.7	28.6				34.1	31.0				
11	5	cilantro		35.4	28.1				34.0	30.9				
12	0	cilantro	0	Undetern	31.3	Undetern	28.2	0	Undetern	31.5	Undetern	28.1		0

12	0	cilantro		Undetern	31.3	Undetern	28.6		Undetern	31.5	Undetern	28.4	
12	0	cilantro		Undetern	31.0	Undetern	28.3		Undetern	31.0	Undetern	28.2	
13	10	cilantro	3		34.8	27.8		3		34.7			3
13	10	cilantro			33.8	27.7				33.6			
13	10	cilantro			35.2	27.9				35.1			
14	10	cilantro	3	Undetern	28.4	Undetern	28.6	0		34.3	29.8		3
14	10	cilantro		Undetern	28.4	Undetern	28.6			36.5	29.9		
14	10	cilantro		Undetern	28.4	Undetern	28.5			35.7	29.6		
15	5	cilantro	0		36.3	31.6		3		36.3	31.5		3
15	5	cilantro			37.9	31.5				38.0	31.4		
15	5	cilantro			36.4	30.9				36.3	31.3		
16	200	cilantro	3		31.7	30.1		3		32.1	32.1		3
16	200	cilantro			31.5	30.5				33.2	33.2		
16	200	cilantro			32.0	30.5				34.6	34.6		
17	0	cilantro	0		44.3	32.3		0	Undetern	31.8	Undetern	28.8	0
17	0	cilantro			44.2	31.5			Undetern	31.8	Undetern	28.8	
17	0	cilantro			44.5	31.8			Undetern	31.8	Undetern	28.9	
18	10	cilantro	2		34.8	31.4		3		34.7	29.2		3
18	10	cilantro			35.8	31.8				35.7	31.9		
18	10	cilantro			35.5	31.7				35.4	31.3		
19	5	cilantro	0		37.4	33.0		3		30.8	30.7		3
19	5	cilantro			36.9	31.9				30.9	30.5		
19	5	cilantro			36.0	31.9				31.2	30.9		
20	200	cilantro	3		32.0	32.2		3		31.7	31.0		3
20	200	cilantro			31.8	32.2				31.5	31.5		
20	200	cilantro			32.1	32.3				32.0	32.7		
21	200	cilantro	3		32.9	31.6		3		32.7	30.4		3
21	200	cilantro			33.1	31.3				33.0	30.5		
21	200	cilantro			33.4	31.0				33.3	30.2		
22	5	cilantro	0		38.0	33.7		0		39.0	30.7		0
22	5	cilantro			39.1	32.0				38.0	30.5		
22	5	cilantro			44.3	31.9				39.1	30.3		
23	10	cilantro	2		39.2	28.3		2		35.3	30.4		3
23	10	cilantro			37.8	28.2				37.2	30.4		
23	10	cilantro			35.8	28.1				36.1	30.3		
24	0	cilantro	0	Undetern	27.9	Undetern	28.8	0	Undetern	30.4	Undetern	28.0	0
24	0	cilantro		Undetern	28.3	Undetern	28.9		Undetern	30.7	Undetern	28.4	
24	0	cilantro		Undetern	28.2	Undetern	28.2		Undetern	30.6	Undetern	28.3	
25	5	cilantro	0	Undetern	30.0	Undetern	27.8	0		43.6	31.7		0
25	5	cilantro		Undetern	30.0	Undetern	27.9			40.4	30.5		
25	5	cilantro		Undetern	29.7	Undetern	27.6		Undetern	32.4			
26	5	cilantro	0		34.9	30.8		3		34.9	30.5		3
26	5	cilantro			35.1	30.5				35.0	30.3		
26	5	cilantro			35.1	30.6				35.1	30.3		
27	10	cilantro	2	Undetern	27.9	Undetern	27.7	0	Undetern	28.4	Undetern	30.0	0
27	10	cilantro		Undetern	27.8	Undetern	27.6		Undetern	28.2	Undetern	30.0	
27	10	cilantro		Undetern	27.7	Undetern	27.5		Undetern	28.0	Undetern	29.8	
28	0	cilantro	0		39.2	27.6		0		38.5			0
28	0	cilantro			39.9	27.8				39.8			
28	0	cilantro			39.8	27.8				41.6			
29	0	cilantro	0	Undetern	28.1			0	Undetern	30.0	Undetern	27.8	0
29	0	cilantro			42.3	28.0			Undetern	30.0	Undetern	27.9	
29	0	cilantro			40.4	28.1			Undetern	29.8	Undetern	27.9	
30	10	cilantro	3		34.3	27.9		3		34.2			3
30	10	cilantro			34.1	27.8				34.1			

30	10	cilantro		35.2	27.8			35.2					
31	200	cilantro	3	30.8	28.0		3	30.9	28.2			3	
31	200	cilantro		30.4	28.0			30.8	28.4				
31	200	cilantro		32.1	28.0			30.4	28.6				
32	200	cilantro	3	30.9	30.6		3	30.6	30.4			3	
32	200	cilantro		30.9	31.0			30.6	30.9				
32	200	cilantro		30.9	30.5			30.6	30.3				
33	200	raspberries	3	29.5	27.8		3	34.6	28.0			3	
33	200	raspberries		29.3	28.1			36.5	32.2				
33	200	raspberries		30.5	27.8			35.0	24.2				
34	10	raspberries	1	36.2	27.6		3	30.9	28.2			3	
34	10	raspberries		35.2	28.0			30.8	28.2				
34	10	raspberries		34.6	27.9			30.4	28.2				
35	200	raspberries	3	32.2	30.8		3	31.9	29.4			3	
35	200	raspberries		31.9	31.0			31.6	30.0				
35	200	raspberries		32.5	31.0			32.3	29.9				
36	0	raspberries	0	42.3	31.2		0	42.4	29.9			0	
36	0	raspberries		43.1	31.0			43.0	29.6				
36	0	raspberries		44.5	30.9			44.5	29.3				
37	10	raspberries	3	34.2	31.0		3	34.0	29.5			3	
37	10	raspberries		34.1	30.9			34.0	29.8				
37	10	raspberries		34.3	31.0			34.1	30.0				
38	0	raspberries	0	Undetern	30.8		0	Undetern	29.7			0	
38	0	raspberries		42.3	30.8			42.3	29.6				
38	0	raspberries		40.5	30.8			40.4	29.6				
39	10	raspberries	2	35.7	27.9		3	36.1	28.4			2	
39	10	raspberries		34.2	28.0			37.1	28.5				
39	10	raspberries		34.0	28.0			38.8	28.5				
40	10	raspberries	1	34.2	28.0		3	44.0	28.4			0	
40	10	raspberries		35.5	28.2			Undetern	28.5				
40	10	raspberries		34.7	28.3			Undetern	28.3				
41	5	raspberries	0	32.7	27.7		3	35.8	29.1			3	
41	5	raspberries		33.0	27.6			35.6	29.0				
41	5	raspberries		33.3	27.9			35.1	29.3				
42	0	raspberries	0	Undetern	29.8	Undetern	27.8	0	Undetern	31.2	Undetern	29.8	0
42	0	raspberries		Undetern	29.9	Undetern	27.8		Undetern	30.5	Undetern	29.9	
42	0	raspberries		Undetern	29.6	Undetern	27.5		Undetern	36.3	Undetern	29.6	
43	5	raspberries	1	Undetern	32.4	Undetern	27.9	0	Undetern	31.1	Undetern	28.0	0
43	5	raspberries		Undetern	31.2	Undetern	27.7		Undetern	31.2	Undetern	27.9	
43	5	raspberries		Undetern	30.8	Undetern	27.8		Undetern	29.8	Undetern	27.8	
44	200	raspberries	3	32.8	27.9		3	30.5	31.3			3	
44	200	raspberries		32.0	27.8			30.1	31.9				
44	200	raspberries		32.0	27.9			30.6	35.3				

45	200	raspberries	3	30.5	30.8		3	30.3	30.7		3		
45	200	raspberries		30.3	30.7			30.1	30.5				
45	200	raspberries		31.1	32.1			31.0	31.9				
46	5	raspberries	0	36.2	30.6		3	36.2	30.3		3		
46	5	raspberries		36.9	30.6			36.7	30.6				
46	5	raspberries		36.0	30.8			35.8	30.4				
47	5	raspberries	1	32.5	27.8		3	32.3	32.3		3		
47	5	raspberries		32.2	28.1			32.1	30.7				
47	5	raspberries		32.2	27.9			31.7	31.3				
48	0	raspberries	1	Undetern	27.9		0	Undetern	30.5	Undetern	27.2	0	
48	0	raspberries		38.8	27.9			Undetern	30.3	Undetern	27.4		
48	0	raspberries		Undetern	27.9			Undetern	30.2	Undetern	27.4		
49	200	raspberries	3	29.8	30.8		3	30.7	29.6		3		
49	200	raspberries		29.8	30.7			29.4	29.6				
49	200	raspberries		29.8	30.8			29.5	29.4				
50	0	raspberries	0	39.8	30.8		0	39.8	29.8		0		
50	0	raspberries		39.6	30.9			39.6	29.9				
50	0	raspberries		39.7	30.8			39.7	30.0				
51	10	raspberries	3	35.8	31.0		3	35.7	30.0		3		
51	10	raspberries		34.4	30.9			34.2	29.8				
51	10	raspberries		34.2	30.8			34.0	29.8				
52	10	raspberries	1	33.8	31.0		3	33.5	29.7		3		
52	10	raspberries		34.4	30.9			34.1	30.1				
52	10	raspberries		34.0	31.0			33.8	29.8				
53	0	raspberries	0	41.3	30.7		0	Undetern	28.0	Undetern	28.2	0	
53	0	raspberries		41.3	30.8			Undetern	28.0	Undetern	28.4		
53	0	raspberries		40.8	31.0			Undetern	28.0	Undetern	28.6		
54	10	raspberries	3	34.5	31.1		3	34.2	30.5		3		
54	10	raspberries		35.7	31.0			35.5	30.7				
54	10	raspberries		34.9	31.0			34.7	30.1				
55	10	raspberries	2	36.4	31.0		3	36.2	29.6		3		
55	10	raspberries		35.4	31.1			35.2	30.1				
55	10	raspberries		34.8	31.2			34.6	30.2				
56	200	raspberries	3	29.9	31.1		3	29.6	29.7		3		
56	200	raspberries		29.4	30.7			29.1	30.1				
56	200	raspberries		29.4	30.7			29.1	30.3				
57	0	raspberries	1	Undetern	29.7	Undetern	27.7	0	Undetern	30.5	Undetern	29.7	0
57	0	raspberries		Undetern	29.6	Undetern	27.7		Undetern	30.3	Undetern	29.6	
57	0	raspberries		Undetern	29.6	Undetern	27.9		Undetern	30.3	Undetern	29.6	
58	0	raspberries	0	Undetern	29.6	Undetern	27.5	0	Undetern	30.7		0	
58	0	raspberries		Undetern	29.6	Undetern	27.7		39.2	30.4			
58	0	raspberries		Undetern	29.6	Undetern	27.6		Undetern	30.3			

59	5	raspberries	1	37.4	27.7		3	Undeterm	27.6	Undeterm	27.7	0	
59	5	raspberries		36.8	27.7			Undeterm	27.5	Undeterm	27.7		
59	5	raspberries		35.9	27.8			Undeterm	27.6	Undeterm	27.8		
60	5	raspberries	1	Undeterm	30.7	Undeterm	27.9	0	Undeterm	30.4	Undeterm	27.7	0
60	5	raspberries		Undeterm	30.7	Undeterm	27.8		Undeterm	30.4	Undeterm	27.6	
60	5	raspberries		Undeterm	30.6	Undeterm	27.5		Undeterm	30.4	Undeterm	27.4	
61	5	raspberries	0	44.5	30.9		0	44.5	30.7			0	
61	5	raspberries		38.3	30.3			38.2	30.1				
61	5	raspberries		Undeterm	30.4			Undeterm	30.2				
62	5	raspberries	2	Undeterm	30.7	Undeterm	27.8	0	35.0			3	
62	5	raspberries		Undeterm	30.8	Undeterm	27.7		36.5	30.5			
62	5	raspberries		Undeterm	30.7	Undeterm	27.9		34.4	30.4			
63	200	raspberries	3	32.9	27.8		3	32.7	30.4			3	
63	200	raspberries		33.9	27.8			33.7					
63	200	raspberries		34.0	27.6			33.9					
64	200	raspberries	3	33.4	30.8		3	33.2	30.6			3	
64	200	raspberries		34.0	30.6			33.8	30.4				
64	200	raspberries		34.3	30.7			34.1	30.5				
DNA Extracti week of Aug 31			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Aug 31				Undetermined				Undetermined					
DNA Extracti week of Aug 31				Undetermined				Undetermined					
DNA Extracti week of Oct 26			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Oct 26				Undetermined				Undetermined					
DNA Extracti week of Oct 26				Undetermined				Undetermined					
DNA Extracti week of Dec 14			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Dec 14				Undetermined				Undetermined					
DNA Extracti week of Dec 14				Undetermined				Undetermined					
DNA Extracti week of July 20			0	Undetermined			0	Undetermined				0	
DNA Extracti week of July 20				Undetermined				Undetermined					
DNA Extracti week of July 20				Undetermined				Undetermined					
DNA Extracti week of Oct 5			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Oct 5				Undetermined				Undetermined					
DNA Extracti week of Oct 5				Undetermined				Undetermined					
DNA Extracti week of Nov 16			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Nov 16				Undetermined				Undetermined					
DNA Extracti week of Nov 16				Undetermined				Undetermined					
DNA Extracti week of Jan 4			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Jan 4				Undetermined				Undetermined					
DNA Extracti week of Jan 4				Undetermined				Undetermined					
DNA Extracti week of Aug 10			0	Undetermined			0	Undetermined				0	
DNA Extracti week of Aug 10				Undetermined				Undetermined					
DNA Extracti week of Aug 10				Undetermined				Undetermined					

Lab 4

Sample ID	Seeding level	Matrix	Sub-sample ID	nPCR score	qPCR Analyst A					qPCR Analyst B				
					1×		1/4		Score	1×		1/4		Score
					18S C _q	IAC C _q	18S C _q	IAC C _q		18S C _q	IAC C _q	18S C _q	IAC C _q	
1	5	cilantro		0	Undetern	26.3	Undetern	26.5	0	Undetern	26.8	Undetern	27.9	0
1	5	cilantro			Undetern	26.3	Undetern	26.5		Undetern	26.6	Undetern	28.0	
1	5	cilantro			Undetern	26.5	Undetern	26.6		Undetern	26.5	Undetern	27.9	
2	200	cilantro		3	31.5	29.2			3	31.5	30.3			3
2	200	cilantro			31.9	29.5				30.8	30.6			
2	200	cilantro			31.6	28.4				31.0	29.8			
3	200	cilantro		3	35.0	28.7			3	34.6	37.2			3
3	200	cilantro			34.4	28.1				34.8	32.9			
3	200	cilantro			34.4	27.8				34.1	32.4			
4	0	cilantro		0	39.0	27.6			0	Undetern	26.5	Undetern	27.2	0
4	0	cilantro			Undetern	26.0				Undetern	26.4	Undetern	27.5	
4	0	cilantro			Undetern	26.5				Undetern	26.2	Undetern	27.5	
5	10	cilantro		2	Undetern	25.2			2	Undetern	26.5			2
5	10	cilantro			36.7	26.1				36.0	26.4			
5	10	cilantro			36.9	26.3				37.3	26.2			
6	0	cilantro		0	Undetern	38.0	Undetern	28.0	0	Undetern	39.0	Undetern	28.8	0
6	0	cilantro			Undetern	34.2	Undetern	27.1		Undetern	34.5	Undetern	28.3	
6	0	cilantro			Undetern	34.4	Undetern	27.2		Undetern	34.4	Undetern	28.0	
7	10	cilantro		1	37.6	26.2			1	37.3	27.1			1
7	10	cilantro			Undetern	26.4				Undetern	26.9			
7	10	cilantro			Undetern	26.3				Undetern	26.6			
8	5	cilantro		3	38.0	28.6			1	38.0	29.2			3
8	5	cilantro			38.7	27.7				37.8	28.6			
8	5	cilantro			38.1	27.6				37.7	28.4			
9	200	cilantro		3	34.9	27.2			3	33.9	27.9			3
9	200	cilantro			34.2	27.4				34.4	27.5			
9	200	cilantro			34.6	27.5				33.8	27.5			
10	0	cilantro		0	Undetern	Undetern	Undetern	28.9	0	Undetern	Undetern	Undetern	30.2	0
10	0	cilantro			Undetern	Undetern	Undetern	28.6		Undetern	Undetern	Undetern	29.2	
10	0	cilantro			Undetern	Undetern	Undetern	28.9		Undetern	Undetern	Undetern	29.1	
11	5	cilantro		0	Undetern	27.6	Undetern	27.3	0	Undetern	28.8	Undetern	28.6	0
11	5	cilantro			Undetern	28.1	Undetern	27.0		Undetern	28.3	Undetern	28.0	
11	5	cilantro			Undetern	28.6	Undetern	26.9		Undetern	28.3	Undetern	28.0	
12	0	cilantro		0	Undetern	36.6	Undetern	28.7	0	Undetern	35.2	Undetern	29.3	0

12	0	cilantro		Undetern	35.1	Undetern	27.9		Undetern	34.2	Undetern	29.4		
12	0	cilantro		Undetern	36.4	Undetern	27.9		Undetern	35.7	Undetern	29.0		
13	10	cilantro	2	Undetern	37.5			0	40.8	35.5		0		
13	10	cilantro			40.6	35.9			38.2	34.9				
13	10	cilantro			38.7	35.0			38.6	31.2				
14	10	cilantro	1	Undetern	25.9			1	40.3	26.5		1		
14	10	cilantro			37.8	25.7			Undetern	26.2				
14	10	cilantro			40.0	25.8			36.7	25.9				
15	5	cilantro	0	Undetern	Undetern	Undetern	31.1	0	Undetern	Undetern	Undetern	31.9	0	
15	5	cilantro			Undetern	Undetern	Undetern	31.4		Undetern	Undetern	Undetern	31.4	
15	5	cilantro			Undetern	Undetern	Undetern	31.0		Undetern	Undetern	Undetern	31.1	
16	200	cilantro	3		39.8	Undetern	41.0	29.3	2	40.8	Undetern	37.1	28.3	2
16	200	cilantro			39.0	Undetern	36.2	28.5		43.1	Undetern	Undetern	27.8	
16	200	cilantro			38.2	Undetern	37.2	28.6		40.2	Undetern	37.2	28.1	
17	0	cilantro	0	Undetern	29.7	Undetern	26.8	0	Undetern	39.1	Undetern	27.9	0	
17	0	cilantro			Undetern	28.8	Undetern	26.9		Undetern	32.7	Undetern	28.1	
17	0	cilantro			Undetern	28.3	Undetern	27.0		Undetern	35.1	Undetern	28.1	
18	10	cilantro	2		36.8	32.4			2	Undetern	34.4		2	
18	10	cilantro			38.4	31.9				36.9	32.9			
18	10	cilantro			37.3	32.6				37.5	37.8			
19	5	cilantro	2	Undetern	30.9			2	37.9	36.8		2		
19	5	cilantro			37.2	28.3			38.6	33.3				
19	5	cilantro			36.5	28.2			37.6	33.6				
20	200	cilantro	3		33.3	30.1		3	33.7	Undetermined		3		
20	200	cilantro			33.0	29.0			34.7	26.9				
20	200	cilantro			32.7	28.5			32.9	30.3				
21	200	cilantro	3		32.1	28.0		3	31.6	28.4		3		
21	200	cilantro			32.1	28.1			32.0	28.9				
21	200	cilantro			32.3	28.2			31.9	28.9				
22	5	cilantro	0	Undetern	29.5	Undetern	26.9	0	Undetern	29.9	Undetern	28.2	0	
22	5	cilantro			Undetern	31.0	Undetern	26.7		Undetern	31.5	Undetern	27.2	
22	5	cilantro			Undetern	29.8	Undetern	26.6		Undetern	30.8	Undetern	27.2	
23	10	cilantro	1	Undetern	30.8	Undetern	26.7	0	38.8	35.6		0		
23	10	cilantro			Undetern	29.3	Undetern	27.5		Undetern	39.6			
23	10	cilantro			Undetern	30.8	Undetern	26.8		39.8	33.5			
24	0	cilantro	0	Undetern	28.3	Undetern	26.8	0	Undetern	34.5	Undetern	27.9	0	
24	0	cilantro			Undetern	29.7	Undetern	26.4		Undetern	28.5	Undetern	27.9	
24	0	cilantro			Undetern	28.9	Undetern	26.9		Undetern	32.0	Undetern	28.2	
25	5	cilantro	0	Undetern	29.2	Undetern	26.2	0	Undetern	29.9	Undetern	27.2	0	
25	5	cilantro			Undetern	29.0	Undetern	26.2		Undetern	28.8	Undetern	27.0	
25	5	cilantro			Undetern	28.8	Undetern	26.2		Undetern	28.3	Undetern	27.0	
26	5	cilantro	0	Undetern	28.0	Undetern	27.0	0	Undetern	28.1	Undetern	27.4	0	
26	5	cilantro			Undetern	27.9	Undetern	26.9		Undetern	28.9	Undetern	27.2	
26	5	cilantro			Undetern	27.9	Undetern	26.7		Undetern	28.5	Undetern	26.9	
27	10	cilantro	3		37.8	27.2		3	35.7	27.3		3		
27	10	cilantro			38.0	26.7			36.6	26.8				
27	10	cilantro			37.6	26.6			36.3	26.4				
28	0	cilantro	0	Undetern	27.7	Undetern	27.0	0	Undetern	27.5	Undetern	28.5	0	
28	0	cilantro			Undetern	26.9	Undetern	26.7		Undetern	27.1	Undetern	28.4	
28	0	cilantro			Undetern	27.0	Undetern	26.6		Undetern	27.4	Undetern	27.8	
29	0	cilantro	0	Undetern	27.6	Undetern	25.9	0	Undetern	28.0	Undetern	26.9	0	
29	0	cilantro			Undetern	27.8	Undetern	25.8		Undetern	28.1	Undetern	26.8	
29	0	cilantro			Undetern	27.5	Undetern	25.9		Undetern	27.7	Undetern	26.5	
30	10	cilantro	2		38.6	28.0		0	36.9	28.2		3		
30	10	cilantro			43.6	27.5			37.9	27.5				

30	10	cilantro			38.6	27.2				36.8	27.3			
31	200	cilantro		3	32.1	27.6		3		32.0	27.7		3	
31	200	cilantro			32.1	27.3				32.1	27.4			
31	200	cilantro			32.5	27.1				31.9	27.4			
32	200	cilantro		3	32.3	27.1		3		31.9	27.9		3	
32	200	cilantro			32.1	26.9				31.8	27.3			
32	200	cilantro			31.8	26.8				32.3	26.8			
33	200	raspberries	A	3	33.2	27.7		3		32.4	28.8		3	
33	200	raspberries	A		32.8	27.7				34.5	Undetermined			
33	200	raspberries	A		33.5	27.8				32.3	30.9			
33	200	raspberries	B	3	34.6	29.3		3		36.5	Undetermined		2	
33	200	raspberries	B		34.7	28.7				40.5	Undetermined			
33	200	raspberries	B		35.0	29.2				35.6	28.5			
34	10	raspberries	A	2	Undeterm	28.7		1		39.6	34.2		1	
34	10	raspberries	A		37.1	28.3				38.0	28.4			
34	10	raspberries	A		Undeterm	28.5				40.0	28.0			
34	10	raspberries	B	1	40.0	27.7		0		38.4	29.5		0	
34	10	raspberries	B		39.2	28.7				Undeterm	27.9			
34	10	raspberries	B		38.8	28.7				38.8	28.6			
35	200	raspberries	A	3	Undeterm	Undeterm	35.9	27.4	3	Undeterm	Undeterm	38.1	28.5	1
35	200	raspberries	A		Undeterm	Undeterm	36.8	28.1		Undeterm	Undeterm	38.1	28.6	
35	200	raspberries	A		Undeterm	Undeterm	37.0	27.8		Undeterm	Undeterm	37.3	28.4	
35	200	raspberries	B	3	35.7	28.4		3		34.1	33.1		3	
35	200	raspberries	B		34.7	29.0				34.5	30.5			
35	200	raspberries	B		34.5	28.2				34.9	28.9			
36	0	raspberries	A	0	Undeterm	28.2	Undeterm	26.6	0	Undeterm	29.2	Undeterm	27.8	0
36	0	raspberries	A		Undeterm	28.1	Undeterm	26.4		Undeterm	28.9	Undeterm	27.4	
36	0	raspberries	A		Undeterm	28.5	Undeterm	26.4		Undeterm	29.8	Undeterm	27.3	
36	0	raspberries	B	0	Undeterm	26.9	Undeterm	27.5	0	Undeterm	26.6	Undeterm	27.3	0
36	0	raspberries	B		Undeterm	26.8	Undeterm	26.7		Undeterm	32.4	Undeterm	27.3	
36	0	raspberries	B		Undeterm	26.6	Undeterm	26.4		Undeterm	27.9	Undeterm	27.2	
37	10	raspberries		2	38.2	28.5		2		36.7	29.2		2	
37	10	raspberries			37.1	27.9				36.8	28.7			
37	10	raspberries			35.7	27.6				Undeterm	28.2			
38	0	raspberries		0	Undeterm	26.9	Undeterm	26.8	0	Undeterm	27.6	Undeterm	27.6	0
38	0	raspberries			Undeterm	26.8	Undeterm	27.0		Undeterm	27.6	Undeterm	27.4	
38	0	raspberries			Undeterm	27.2	Undeterm	26.7		Undeterm	27.1	Undeterm	27.5	
39	10	raspberries		0	Undeterm	26.2			1	Undeterm	27.1	Undeterm	27.4	0
39	10	raspberries			38.0	26.3				Undeterm	26.4	Undeterm	26.9	
39	10	raspberries			Undeterm	26.8				Undeterm	26.4	Undeterm	28.0	
40	10	raspberries		3	37.3	28.7		2		Undeterm	30.5		1	
40	10	raspberries			37.0	28.2				36.7	28.8			
40	10	raspberries			39.0	27.7				Undeterm	27.7			
41	5	raspberries		0	Undeterm	28.5	Undeterm	26.9	0	Undeterm	29.2	Undeterm	27.5	0
41	5	raspberries			Undeterm	27.6	Undeterm	26.7		Undeterm	28.0	Undeterm	27.4	
41	5	raspberries			Undeterm	28.0	Undeterm	26.7		Undeterm	28.0	Undeterm	27.7	
42	0	raspberries		0	Undeterm	27.0	Undeterm	26.9	0	Undeterm	27.0	Undeterm	28.6	0
42	0	raspberries			Undeterm	26.6	Undeterm	26.4		Undeterm	27.3	Undeterm	27.4	
42	0	raspberries			Undeterm	27.2	Undeterm	26.6		Undeterm	27.0	Undeterm	27.0	
43	5	raspberries		1	Undeterm	29.0	Undeterm	27.1	0	Undeterm	29.6		0	
43	5	raspberries			Undeterm	29.3	Undeterm	27.2		Undeterm	29.1			
43	5	raspberries			Undeterm	28.6	Undeterm	26.8		38.6	28.9			
44	200	raspberries		3	32.8	27.8		3		32.2	28.1		3	
44	200	raspberries			32.8	27.7				31.9	28.2			
44	200	raspberries			32.3	28.0				32.2	28.2			

45	200	raspberries		3	33.1	28.4		3	33.2	29.4		3		
45	200	raspberries			33.4	28.0			33.6	28.9				
45	200	raspberries			33.4	28.4			33.2	28.8				
46	5	raspberries		2	Undetern	28.7	Undetern	26.7	0	Undetern	29.0	0		
46	5	raspberries			Undetern	28.7	Undetern	26.9		Undetern	29.5			
46	5	raspberries			Undetern	28.3	Undetern	26.8		Undetern	30.7			
47	5	raspberries		1	38.7	28.0		0	Undetern	29.2	Undetern	28.1	0	
47	5	raspberries			Undetern	29.0			Undetern	29.2	Undetern	27.9		
47	5	raspberries			Undetern	28.7			Undetern	29.1	Undetern	27.2		
48	0	raspberries		0	Undetern	28.2	Undetern	26.9	0	Undetern	28.9	Undetern	27.7	0
48	0	raspberries			Undetern	28.3	Undetern	27.0		Undetern	28.5	Undetern	27.9	
48	0	raspberries			Undetern	28.1	Undetern	27.0		Undetern	28.0	Undetern	27.4	
49	200	raspberries		3	32.0	27.1		3	31.8	28.4		3		
49	200	raspberries			31.8	27.1			31.8	27.5				
49	200	raspberries			32.4	27.5			31.4	27.5				
50	0	raspberries		0	Undetern	29.0	Undetern	26.8	0	Undetern	30.1	Undetern	27.5	0
50	0	raspberries			Undetern	27.6	Undetern	26.2		Undetern	28.7	Undetern	27.1	
50	0	raspberries			Undetern	27.6	Undetern	26.3		Undetern	27.2	44.3	27.1	
51	10	raspberries		3	35.0	28.3		3	35.1	29.4		3		
51	10	raspberries			35.6	28.3			35.0	29.4				
51	10	raspberries			35.9	28.7			36.1	29.4				
52	10	raspberries		3	42.1	28.6		0	36.6	30.4		3		
52	10	raspberries			39.0	28.8			36.5	30.2				
52	10	raspberries			Undetern	29.3			37.5	30.1				
53	0	raspberries		0	Undetern	29.9	Undetern	26.5	0	Undetern	Undetern	Undetern	27.5	0
53	0	raspberries			Undetern	31.8	Undetern	26.6		Undetern	Undetern	Undetern	27.8	
53	0	raspberries			Undetern	30.1	Undetern	26.8		Undetern	Undetern	Undetern	27.5	
54	10	raspberries	A	2	38.7	28.9		0	Undetern	30.1		0		
54	10	raspberries	A		Undetern	29.0			39.1	31.0				
54	10	raspberries	A		38.8	29.7			Undetern	30.2				
54	10	raspberries	B	2	Undetern	28.8		0	39.2	30.3		1		
54	10	raspberries	B		39.2	29.2			37.3	30.7				
54	10	raspberries	B		40.4	29.1			39.1	30.0				
55	10	raspberries	A	1	38.6	30.6		1	38.9	31.1		0		
55	10	raspberries	A		37.1	28.2			38.7	29.0				
55	10	raspberries	A		Undetern	28.1			Undetern	29.7				
55	10	raspberries	B	0	Undetern	27.2	Undetern	26.3	0	Undetern	28.5		0	
55	10	raspberries	B		Undetern	26.9	Undetern	26.0		Undetern	27.7			
55	10	raspberries	B		Undetern	27.0	Undetern	26.0		Undetern	27.8			
56	200	raspberries	A	3	33.2	28.2		3	33.7	30.9		3		
56	200	raspberries	A		34.5	28.4			34.2	41.3				
56	200	raspberries	A		33.9	28.0			34.1	30.0				
56	200	raspberries	B	3	33.3	27.9		3	34.2	29.2		3		
56	200	raspberries	B		33.7	28.1			34.0	29.3				
56	200	raspberries	B		33.7	27.9			33.7	28.5				
57	0	raspberries	A	0	Undetern	27.2	Undetern	25.7	0	Undetern	27.6	Undetern	26.9	0
57	0	raspberries	A		Undetern	27.6	Undetern	25.9		Undetern	27.7	Undetern	26.5	
57	0	raspberries	A		Undetern	27.6	Undetern	25.8		Undetern	27.9	Undetern	26.6	
57	0	raspberries	B	0	Undetern	27.9	Undetern	25.9	0	Undetern	27.7	Undetern	27.0	0
57	0	raspberries	B		Undetern	27.8	Undetern	25.7		Undetern	28.1	Undetern	27.0	
57	0	raspberries	B		Undetern	27.5	39.6	25.9		Undetern	28.9	Undetern	26.6	
58	0	raspberries	A	0	Undetern	27.7	Undetern	26.9	0	Undetern	27.7	Undetern	28.0	0
58	0	raspberries	A		Undetern	28.3	Undetern	26.4		Undetern	28.3	Undetern	27.6	
58	0	raspberries	A		Undetern	27.9	Undetern	26.5		Undetern	27.9	Undetern	27.6	
58	0	raspberries	B	0	Undetern	27.3	Undetern	26.7	0	Undetern	27.2	Undetern	27.8	0

58	0	raspberries	B		Undetern	27.4	Undetern	26.3		Undetern	27.4	Undetern	27.6
58	0	raspberries	B		Undetern	27.7	Undetern	26.2		Undetern	28.0	Undetern	27.3
59	5	raspberries		1	36.8	29.6			1	Undetern	29.8		1
59	5	raspberries			39.0	29.7				36.7	29.8		
59	5	raspberries			Undetern	29.1				Undetern	29.8		
60	5	raspberries	A	0	Undetern	26.9	Undetern	26.7	0	Undetern	27.3		0
60	5	raspberries	A		Undetern	27.2	Undetern	27.0		Undetern	27.9		
60	5	raspberries	A		Undetern	26.8	Undetern	26.9		Undetern	27.5		
60	5	raspberries	B	2	Undetern	26.9	Undetern	26.5	0	38.6	27.7		0
60	5	raspberries	B		Undetern	27.0	Undetern	26.8		Undetern	27.3		
60	5	raspberries	B		Undetern	26.9	Undetern	26.7		Undetern	27.6		
61	5	raspberries		1	Undetern	26.9	38.0	27.1	1	37.7	27.7		1
61	5	raspberries			Undetern	27.0	Undetern	27.5		39.0	26.8		
61	5	raspberries			Undetern	26.9	Undetern	27.1		Undetern	27.3		
62	5	raspberries		1	36.8	28.1			2	39.9	28.9		1
62	5	raspberries			38.0	27.4				39.8	27.7		
62	5	raspberries			Undetern	27.2				36.7	27.7		
63	200	raspberries		3	34.7	27.4			3	35.2	27.7		3
63	200	raspberries			36.0	26.7				36.0	27.0		
63	200	raspberries			35.8	26.5				36.4	27.0		
64	200	raspberries		3	35.3	26.0			3	34.4	26.6		3
64	200	raspberries			35.4	25.9				35.0	26.5		
64	200	raspberries			35.2	26.2				36.3	26.0		
DNA Extractic week of Aug 31				0	Undetern	27.5			0	Undetermined			0
DNA Extractic week of Aug 31					Undetern	27.0				Undetermined			
DNA Extractic week of Aug 31					Undetern	27.0				Undetermined			
DNA Extractic week of Oct 26				0	Undetern	27.8			0	Undetermined			0
DNA Extractic week of Oct 26					Undetern	27.1				Undetermined			
DNA Extractic week of Oct 26					Undetern	26.5				Undetermined			
DNA Extractic week of Dec 14				0	Undetern	27.5			0	Undetermined			0
DNA Extractic week of Dec 14					Undetern	27.1				Undetermined			
DNA Extractic week of Dec 14					Undetern	26.8				Undetermined			
DNA Extractic week of July 20				0	Undetern	27.6			0	Undetermined			0
DNA Extractic week of July 20					Undetern	27.1				Undetermined			
DNA Extractic week of July 20					Undetern	26.8				Undetermined			
DNA Extractic week of Oct 5				0	Undetern	27.4			0	Undetermined			0
DNA Extractic week of Oct 5					Undetern	27.1				Undetermined			
DNA Extractic week of Oct 5					Undetern	26.7				Undetermined			
DNA Extractic week of Nov 16				0	Undetern	27.9			0	Undetermined			0
DNA Extractic week of Nov 16					Undetern	27.1				Undetermined			
DNA Extractic week of Nov 16					Undetern	27.6				Undetermined			
DNA Extractic week of Jan 4				0	Undetern	27.3			0	Undetermined			0
DNA Extractic week of Jan 4					Undetern	27.0				Undetermined			
DNA Extractic week of Jan 4					Undetern	27.1				Undetermined			
DNA Extractic week of Aug 10				0	Undetern	26.5			0	Undetermined			0
DNA Extractic week of Aug 10					Undetern	26.6				Undetermined			
DNA Extractic week of Aug 10					Undetern	26.5				Undetermined			

Lab 5

Sample ID	Seeding level	Matrix	nPCR score	qPCR Analyst A					qPCR Analyst B				
				1×		1/4		Score	1×		1/4		Score
				18S C _q	IAC C _q	18S C _q	IAC C _q		18S C _q	IAC C _q	18S C _q	IAC C _q	
1	5	cilantro	3	36.2	27.6			3	37.8	31.7			3
1	5	cilantro		35.3	27.7				35.6	31.1			
1	5	cilantro		35.5	27.0				34.8	31.7			
2	200	cilantro	3	31.9	28.9			3	32.6	36.3			3
2	200	cilantro		31.5	28.0				32.9	35.4			
2	200	cilantro		31.8	28.2				32.3	35.9			
3	200	cilantro	3	31.4	25.8			3	32.0	30.8			3
3	200	cilantro		31.6	25.7				32.1	30.7			
3	200	cilantro		31.4	25.8				32.2	30.9			
4	0	cilantro	0	Undetern	25.7			0	Undetern	30.8	Undetern	29.3	0
4	0	cilantro		Undetern	25.7				Undetern	30.5	Undetern	29.3	
4	0	cilantro		Undetern	26.4				Undetern	30.2	Undetern	29.4	
5	10	cilantro	2	37.8	26.2			2	36.3	31.7			3
5	10	cilantro		Undetern	26.3				37.2	31.2			
5	10	cilantro		38.0	26.4				37.3	31.4			
6	0	cilantro	0	Undetern	25.5	Undetern	25.0	0	Undetern	31.2	Undetern	30.1	0
6	0	cilantro		Undetern	25.1	Undetern	24.6		Undetern	30.4	Undetern	29.7	
6	0	cilantro		Undetern	25.4	Undetern	24.7		Undetern	30.2	Undetern	29.5	
7	10	cilantro	3	35.0	26.2			3	35.5	32.4			3
7	10	cilantro		35.0	26.3				34.4	32.4			
7	10	cilantro		34.2	26.5				35.7	31.9			
8	5	cilantro	0	Undetern	25.3	Undetern	24.7	0	37.1	30.1			1
8	5	cilantro		Undetern	25.2	Undetern	24.8		Undetern	29.6			
8	5	cilantro		Undetern	25.1	Undetern	24.7		Undetern	29.9			
9	200	cilantro	3	33.9	26.6			3	34.2	30.1			3
9	200	cilantro		33.8	26.5				33.8	30.2			
9	200	cilantro		33.3	26.4				34.0	31.2			
10	0	cilantro	0	Undetern	25.7	Undetern	24.7	0	Undetern	29.5	Undetern	29.3	0
10	0	cilantro		Undetern	25.0	Undetern	24.4		Undetern	30.7	Undetern	29.2	
10	0	cilantro		Undetern	25.1	Undetern	25.0		Undetern	30.8	Undetern	29.5	
11	5	cilantro	0	Undetern	26.8	Undetern	25.3	0	Undetern	31.0	Undetern	29.6	0
11	5	cilantro		Undetern	26.5	Undetern	24.8		Undetern	31.5	Undetern	29.4	
11	5	cilantro		Undetern	26.0	Undetern	25.0		Undetern	32.1	Undetern	29.1	
12	0	cilantro	0	Undetern	25.6	Undetern	25.1	0	Undetern	31.1	Undetern	28.8	0

12	0	cilantro		Undetern	25.8	Undetern	24.8		Undetern	30.6	Undetern	29.1	
12	0	cilantro		Undetern	26.1	Undetern	25.0		Undetern	30.6	Undetern	29.1	
13	10	cilantro	2		36.6	27.4		1		36.0	31.5		2
13	10	cilantro		Undetern	27.8					37.5	31.6		
13	10	cilantro			38.5	27.1			Undetern	31.2			
14	10	cilantro	3	Undetern	26.0			2		38.4	31.2		1
14	10	cilantro			37.2	25.9				36.3	31.9		
14	10	cilantro			35.9	25.3				38.1	32.0		
15	5	cilantro	1	Undetern	27.5	Undetern	25.3	0	Undetern	32.4			0
15	5	cilantro		Undetern	27.3	Undetern	26.0			38.1	32.7		
15	5	cilantro		Undetern	27.6		25.7		Undetern	32.9			
16	200	cilantro	3		31.1	27.1		3		32.1	30.3		3
16	200	cilantro			31.3	26.6				31.7	31.4		
16	200	cilantro			31.7	27.0				32.1	32.0		
17	0	cilantro	0		39.2	26.2		0		40.7	32.5		0
17	0	cilantro		Undetern	26.2					40.3	32.3		
17	0	cilantro		Undetern	25.8				Undetern	32.4			
18	10	cilantro	2	Undetern	27.7			0		37.6	32.1		2
18	10	cilantro			38.6	28.0			Undetern	31.2			
18	10	cilantro		Undetern	29.2					38.0	32.9		
19	5	cilantro	0	Undetern	25.8	Undetern	25.3	0	Undetern	30.4	Undetern	29.5	0
19	5	cilantro		Undetern	25.4	Undetern	25.3		Undetern	30.6	38.1	29.4	
19	5	cilantro		Undetern	25.1	Undetern	25.5		Undetern	31.1	Undetern	29.2	
20	200	cilantro	3		31.0	26.5		3		31.2	31.2		3
20	200	cilantro			31.2	26.9				31.2	31.6		
20	200	cilantro			31.1	26.4				31.3	32.9		
21	200	cilantro	3		32.9	26.3		3		33.6	31.0		3
21	200	cilantro			33.0	26.7				33.4	31.8		
21	200	cilantro			33.5	26.4				33.6	31.6		
22	5	cilantro	0	Undetern	26.0	Undetern	25.2	0	Undetern	31.3	Undetern	29.7	0
22	5	cilantro		Undetern	26.2	Undetern	25.1		Undetern	31.9	Undetern	29.3	
22	5	cilantro		Undetern	26.8	Undetern	25.0		Undetern	32.0	Undetern	29.3	
23	10	cilantro	1	Undetern	26.7			0		36.7	31.2		1
23	10	cilantro			38.3	26.8			Undetern	30.7			
23	10	cilantro			39.3	26.8				38.3	30.7		
24	0	cilantro	0	Undetern	25.8	Undetern	24.7	0	Undetern	31.0	Undetern	29.5	0
24	0	cilantro		Undetern	26.2	Undetern	25.0		Undetern	30.4	Undetern	29.9	
24	0	cilantro		Undetern	26.9	Undetern	25.1		Undetern	29.9	Undetern	30.1	
25	5	cilantro	0	Undetern	26.3	Undetern	24.9	0	Undetern	30.9			0
25	5	cilantro		Undetern	26.1	Undetern	26.0			38.1	30.5		
25	5	cilantro		Undetern	26.2	Undetern	25.1		Undetern	30.4			
26	5	cilantro	0	Undetern	26.93	Unknowr	25.7	0	Undetern	30.7	Undetern	28.9	0
26	5	cilantro		Undetern	26.51	Unknowr	25.1		Undetern	30.9	Undetern	28.6	
26	5	cilantro		Undetern	26.29	Unknowr	24.8		Undetern	30.4	Undetern	29.3	
27	10	cilantro	3		34.9	25.4		3		35.4	30.2		3
27	10	cilantro			36.8	24.8				37.3	30.3		
27	10	cilantro			36.0	25.1				36.2	30.5		
28	0	cilantro	0	Undetern	25.1	Undetern	25.0	0	Undetern	29.8	Undetern	29.6	0
28	0	cilantro		Undetern	25.2	Undetern	25.0		Undetern	29.6	Undetern	29.1	
28	0	cilantro		Undetern	24.9	Undetern	24.6		Undetern	29.4	Undetern	29.2	
29	0	cilantro	0	Undetern	25.6	Undetern	25.4	0	Undetern	30.6	Undetern	29.4	0
29	0	cilantro		Undetern	26.0	Undetern	25.2		Undetern	30.4	Undetern	29.3	
29	0	cilantro		Undetern	26.1	Undetern	25.2		Undetern	30.0	Undetern	29.2	
30	10	cilantro	0	Undetern	25.8			1		38.2	30.1		2
30	10	cilantro			36.0	25.0				36.9	29.6		

30	10	cilantro		38.1	25.3				37.0	30.0			
31	200	cilantro	3	33.4	25.9			3	33.8	30.9		3	
31	200	cilantro		33.1	25.6				33.3	31.3			
31	200	cilantro		33.0	25.4				34.7	30.7			
32	200	cilantro	3	33.7	26.52			3	33.8	30.1		3	
32	200	cilantro		33.6	25.64				34.2	30.3			
32	200	cilantro		33.6	25.76				33.4	29.6			
33	200	raspberries	3	32.4	25.7			3	32.7	30.4		3	
33	200	raspberries		32.2	25.5				33.1	29.5			
33	200	raspberries		32.9	25.5				33.0	29.8			
34	10	raspberries	3	35.5	25.5			3	36.3	30.8		2	
34	10	raspberries		37.0	25.4				43.6	30.2			
34	10	raspberries		36.8	25.7				36.1	30.2			
35	200	raspberries	3	31.3	25.5			3	31.7	29.8		3	
35	200	raspberries		31.4	25.7				32.0	29.9			
35	200	raspberries		31.4	25.6				31.9	30.9			
36	0	raspberries	0	Undetern	25.0	Undetern	25.5	0	Undetern	31.1	Undetern	29.3	0
36	0	raspberries		Undetern	25.2	Undetern	25.0		Undetern	31.2	Undetern	29.3	
36	0	raspberries		Undetern	25.5	Undetern	25.2		Undetern	31.1	Undetern	28.8	
37	10	raspberries	2	34.9	26.0			3	35.4	31.3		3	
37	10	raspberries		34.2	25.7				35.3	31.4			
37	10	raspberries		35.1	25.8				34.4	31.1			
38	0	raspberries	0	Undetern	25.8	Undetern	25.8	0	Undetern	30.7	Undetern	29.5	0
38	0	raspberries		Undetern	25.0	Undetern	25.5		Undetern	30.9	Undetern	29.2	
38	0	raspberries		Undetern	25.5	Undetern	25.9		Undetern	30.9	Undetern	29.1	
39	10	raspberries	2	40.8	26.1			2	37.2	30.3		3	
39	10	raspberries		37.3	25.3				35.9	30.8			
39	10	raspberries		34.7	25.3				35.6	30.7			
40	10	raspberries	2	36.2	25.0			3	Undetern	29.7		2	
40	10	raspberries		37.0	24.7				36.9	29.7			
40	10	raspberries		35.8	24.9				35.2	30.1			
41	5	raspberries	0	Undetern	25.2	Undetern	24.7	0	Undetern	30.0	Undetern	29.4	0
41	5	raspberries		Undetern	25.1	Undetern	24.8		Undetern	29.9	Undetern	29.5	
41	5	raspberries		Undetern	24.6	Undetern	25.0		Undetern	29.9	Undetern	29.8	
42	0	raspberries	0	Undetern	26.2	Undetern	25.2	0	Undetern	30.4	Undetern	29.6	0
42	0	raspberries		Undetern	26.2	Undetern	25.1		Undetern	29.8	Undetern	29.1	
42	0	raspberries		Undetern	26.0	Undetern	24.9		Undetern	30.7	Undetern	29.4	
43	5	raspberries	2	Undetern	25.2	Undetern	25.3	0	Undetern	29.9			0
43	5	raspberries		Undetern	25.7	Undetern	25.2		39.7	30.1			
43	5	raspberries		Undetern	25.4	Undetern	25.3		41.6	30.1			
44	200	raspberries	3	31.1	25.2			3	31.6	31.2		3	
44	200	raspberries		31.3	25.5				31.5	30.8			
44	200	raspberries		30.6	25.3				31.9	30.2			

45	200	raspberries	3	32.1	25.3			3	32.4	30.4		3	
45	200	raspberries		31.9	25.6				32.8	30.4			
45	200	raspberries		32.7	26.2				32.8	30.7			
46	5	raspberries	0	Undetern	25.1	Undetern	25.6	0	Undetern	30.4	Undetern	29.8	0
46	5	raspberries		Undetern	25.4	Undetern	25.2		Undetern	30.4	Undetern	29.2	
46	5	raspberries		Undetern	26.0	Undetern	25.7		Undetern	30.4	Undetern	28.9	
47	5	raspberries	0	Undetern	24.8	Undetern	25.2	0	Undetern	30.5	Undetern	29.7	0
47	5	raspberries		Undetern	25.2	Undetern	25.3		Undetern	30.3	Undetern	29.2	
47	5	raspberries		Undetern	25.2	Undetern	25.1		Undetern	30.8	Undetern	29.3	
48	0	raspberries	0	Undetern	25.4	Undetern	25.4	0	Undetern	30.4	Undetern	29.3	0
48	0	raspberries		Undetern	25.2	Undetern	26.2		Undetern	30.8	Undetern	29.2	
48	0	raspberries		Undetern	26.1	44.2	25.4		Undetern	30.4	Undetern	29.1	
49	200	raspberries	3	30.9	25.9			3	31.0	30.5		3	
49	200	raspberries		30.6	25.7				31.1	30.4			
49	200	raspberries		30.6	25.4				30.9	30.2			
50	0	raspberries	0	Undetern	25.3	Undetern	24.8	0	Undetern	30.1	Undetern	29.2	0
50	0	raspberries		Undetern	24.9	Undetern	24.3		Undetern	29.6	Undetern	29.1	
50	0	raspberries		Undetern	24.8	Undetern	24.5		Undetern	29.8	Undetern	29.2	
51	10	raspberries	3	33.8	26.3			3	35.6	30.2		3	
51	10	raspberries		34.4	26.2				34.8	30.1			
51	10	raspberries		34.2	26.3				34.3	30.6			
52	10	raspberries	3	35.3	24.8			3	35.6	30.7		3	
52	10	raspberries		36.3	25.4				35.5	30.8			
52	10	raspberries		36.1	25.4				37.1	30.6			
53	0	raspberries	0	Undetern	25.8	Undetern	24.8	0	Undetern	30.2	Undetern	30.4	0
53	0	raspberries		Undetern	25.6	Undetern	25.1		Undetern	30.3	Undetern	29.7	
53	0	raspberries		Undetern	25.5	Undetern	25.0		Undetern	30.7	Undetern	29.6	
54	10	raspberries	1	Undetern	25.5	Undetern	24.5	1	42.1	30.4		1	
54	10	raspberries		Undetern	25.7	37.1	24.7		38.1	30.4			
54	10	raspberries		Undetern	26.0	Undetern	24.5		37.1	30.1			
55	10	raspberries	3	34.4	25.4			3	35.5	31.1		3	
55	10	raspberries		34.7	25.1				35.1	30.3			
55	10	raspberries		36.0	25.1				34.2	30.2			
56	200	raspberries	3	29.1	25.6			3	29.4	30.6		3	
56	200	raspberries		29.0	25.7				29.9	30.7			
56	200	raspberries		29.4	26.2				30.0	33.0			
57	0	raspberries	0	Undetern	25.1	Undetern	25.8	0	Undetern	30.3	Undetern	29.3	0
57	0	raspberries		Undetern	25.3	Undetern	25.6		Undetern	29.9	Undetern	29.1	
57	0	raspberries		Undetern	25.3	Undetern	25.5		Undetern	30.5	Undetern	29.6	
58	0	raspberries	0	Undetern	24.9	Undetern	25.6	0	Undetern	30.5	Undetern	29.7	0
58	0	raspberries		Undetern	25.1	Undetern	25.4		Undetern	30.3	Undetern	29.4	
58	0	raspberries		Undetern	25.2	Undetern	25.0		Undetern	30.3	Undetern	28.8	

59	5	raspberries	1	Undetern	25.1	0	36.7	30.2	1
59	5	raspberries			41.9 25.2		Undetern	29.9	
59	5	raspberries		Undetern	25.2		Undetern	30.4	
60	5	raspberries	2		34.8 26.3	2	36.6	30.9	1
60	5	raspberries			38.2 26.2		39.3	31.1	
60	5	raspberries			36.2 26.0		Undetern	30.2	
61	5	raspberries	1	Undetern	26.06	1	Undetern	30.1 Undetern	28.7 0
61	5	raspberries		Undetern	25.27		Undetern	30.1 Undetern	28.3
61	5	raspberries			37.0 25.29		Undetern	30.0 Undetern	29.4
62	5	raspberries	2	Undetern	25.7	2	42.3	30.3	2
62	5	raspberries			37.7 25.2		36.0	29.8	
62	5	raspberries			36.1 25.1		35.9	29.6	
63	200	raspberries	3		32.9 25.0	3	33.9	29.9	3
63	200	raspberries			33.3 25.1		33.0	29.5	
63	200	raspberries			33.5 25.4		34.1	29.6	
64	200	raspberries	3		34.0 26.45	3	33.2	30.0	3
64	200	raspberries			34.0 25.85		33.8	30.3	
64	200	raspberries			33.2 25.54		33.4	30.1	
DNA Extractio week of Aug 31			0	Undetern	26.64	0	Undetern	30.3	0
DNA Extractio week of Aug 31				Undetern	26.37		Undetern	30.4	
DNA Extractio week of Aug 31				Undetern	26.29		Undetern	30.8	
DNA Extractio week of Oct 26			0	Undetern	27.62	0	Undetern	31.2	0
DNA Extractio week of Oct 26				Undetern	27.07		Undetern	31.2	
DNA Extractio week of Oct 26				Undetern	27.15		Undetern	30.6	
DNA Extractio week of Dec 14			0	Undetern	27.77	0	Undetern	29.9	0
DNA Extractio week of Dec 14				Undetern	27.19		Undetern	30.1	
DNA Extractio week of Dec 14				Undetern	27.28		Undetern	30.8	
DNA Extractio week of july 20			0	Undetern	26.19	0	Undetern	29.4	0
DNA Extractio week of july 20				Undetern	26.49		Undetern	29.2	
DNA Extractio week of july 20				Undetern	26.18		Undetern	30.3	
DNA Extractio week of Oct 5			0	Undetern	25.89	0	Undetern	29.4	0
DNA Extractio week of Oct 5				Undetern	26.06		Undetern	29.5	
DNA Extractio week of Oct 5				Undetern	25.81		Undetern	30.2	
DNA Extractio week of Nov 16			0	Undetern	25.66	0	Undetern	30.0	0
DNA Extractio week of Nov 16				Undetern	26.08		Undetern	30.1	
DNA Extractio week of Nov 16				Undetern	26.00		Undetern	30.6	
DNA Extractio week of Jan 4			0	Undetern	25.67	0	Undetern	30.1	0
DNA Extractio week of Jan 4				Undetern	25.79		Undetern	31.3	
DNA Extractio week of Jan 4				Undetern	25.54		Undetern	31.0	
DNA Extractio week of Aug 10			0	Undetern	25.80	0	Undetern	30.3	0
DNA Extractio week of Aug 10				Undetern	25.96		Undetern	29.9	
DNA Extractio week of Aug 10				Undetern	25.86		Undetern	29.4	