

2012 SCN PRELIM TEST IV

Strain	FPhlm	Parentage	Gen. Comp.	Traits
1 LD00- 3309	PTbl	Maverick x Dwight	F5	
2 IA4005	WLTbl+bf	IA3023 x IA3025	F4	1% linolenic
3 LD00- 2817P	PGibl	Ina x Dwight	F5	
4 LD02- 9050	PTbl	LN97-24270 x LS93-0375	F5	
5 K10-2050	WTbl	435.TCS x K05-54	F4	
6 K10-2090	P+WLTbl	IA3023 x K07-121	F4	
7 K10-8496	PLtbl	LG07-8109 RESELECTION	F4	
8 K10-8498	PLtbl	LG07-8109 RESELECTION	F4	
9 LD07-3395bf	WGbf	LD07-3395 RESELECTION	F5	
10 LD07-3395bl	WLTbl	LD07-3395 RESELECTION	F5	
11 LD07-3679P	PGibl	LD07-3679 RESELECTION	F5	
12 LD09-12184	P+WGibl+bf	Soygenetics M30504 x LD01-7323	F5	
13 LD09-12449	WGbf	LD00-2817 x LN97-15076	F5	
14 LS09-1527	PLtbr	Syngenta 30257-b02-07197 x LS01-3615	F6	
15 LS09-1530	P+WT+Gbl+ibl	Syngenta 30257-b02-07197 x LS01-3615	F6	
16 LS09-1803	WTbl	LD00-1938 x LS02-2213	F6	
17 LS09-2340	P+WTbl	Syngenta 98620-b1-51163 x LS01-1734	F6	
18 LS09-2342	WTbl	Syngenta 98620-b1-51163 x LS01-1734	F6	
19 LS09-2655	WGbf	Syngenta 98620-b1-51163 x LS02-0425	F6	
20 LS09-2659	PGibl	Syngenta 98620-b1-51163 x LS02-0425	F6	
21 LS09-2707	PTy	Syngenta 98620-b1-51163 x LS02-0425	F6	
22 LS09-2722	PLtbl	Syngenta 98620-b1-51163 x LS02-0425	F6	
23 LS09-5806	WTbl	LS00-4221 x LS02-2213	F6	

2012 SCN PRELIM TEST IV

Entry	IL SCN screening			
	HG 0		HG 2.5.7	
	FI	rating	FI	rating
1 LD00- 3309	10	R	59	LR
2 IA4005	78	NR	81	NR
3 LD00- 2817P	1	HR	2	HR
4 LD02- 9050	11	R	66	NR
5 K10-2050	24	R	74	NR
6 K10-2090	8	HR	68	NR
7 K10-8496	12	R	71	NR
8 K10-8498	10	R	68	NR
9 LD07-3395bf	1	HR	29	MR
10 LD07-3395bl	4	HR	17	R
11 LD07-3679P	6	HR	64	NR
12 LD09-12184	12	R	71	NR
13 LD09-12449	52	LR	84	NR
14 LS09-1527	2	HR	65	NR
15 LS09-1530	59	LR	88	NR
16 LS09-1803	11	R	65	NR
17 LS09-2340	116	NR	61	NR
18 LS09-2342	17	R	83	NR
19 LS09-2655	21	R	72	NR
20 LS09-2659	17	R	96	NR
21 LS09-2707	82	NR	71	NR
22 LS09-2722	11	R	90	NR
23 LS09-5806	6	HR	55	NR

**too variable to rate

2012 SCN PRELIM TEST IV

Summary

Entry	Locations	Yield				Maturity date	Lodging score	Height in.	quality score	weight g/100
		Infested		Non-infested						
		bu/a	rank	bu/a	rank					
		4		3		6	7	7	7	7
1 LD00- 3309		56.0	5	36.6	13	9/24	1.6	32	2.0	13.2
2 IA4005		56.1	4	36.3	19	1	1.2	30	2.2	15.0
3 LD00- 2817P		52.6	14	36.9	13	5	1.8	34	2.7	14.5
4 LD02- 9050		52.8	13	36.9	13	-2	1.8	33	2.2	15.6
5 K10-2050		54.1	9	36.5	17	7	2.3	35	2.1	17.4
6 K10-2090		51.1	18	37.4	11	0	2.3	33	2.2	15.9
7 K10-8496		49.3	20	37.8	10	5	2.1	35	2.1	15.2
8 K10-8498		51.9	15	39.4	6	2	2.1	36	2.1	14.0
9 LD07-3395bf		56.2	3	40.2	4	1	1.4	28	2.9	16.6
10 LD07-3395bl		53.1	12	40.3	3	0	1.3	28	2.5	16.2
11 LD07-3679P		50.5	19	38.0	8	-1	1.4	33	2.0	15.8
12 LD09-12184		55.5	8	43.3	1	0	2.0	34	1.9	15.5
13 LD09-12449		48.9	21	39.4	6	2	2.2	33	2.3	16.9
14 LS09-1527		57.2	2	37.1	12	6	2.4	37	2.5	17.5
15 LS09-1530		56.0	5	39.7	5	5	1.6	33	2.0	16.6
16 LS09-1803		51.5	17	37.9	9	7	2.6	38	2.0	15.8
17 LS09-2340		45.3	23	34.7	22	8	2.1	37	2.3	20.2
18 LS09-2342		53.6	11	36.5	16	8	2.1	36	2.8	17.8
19 LS09-2655		57.7	1	36.2	20	6	1.8	34	2.8	17.7
20 LS09-2659		55.8	7	36.4	18	6	1.8	35	2.4	18.1
21 LS09-2707		48.9	21	35.2	21	6	2.2	38	2.3	18.0
22 LS09-2722		53.9	10	41.3	2	6	1.7	33	2.3	16.1
23 LS09-5806		51.6	16	31.5	23	7	2.0	39	2.3	16.0

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Yield (bu/a)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	45.4	66.5	41.1	71.0	56.6	16.2	37.0
2 IA4005	44.9	66.2	36.8	76.7	53.9	16.3	38.7
3 LD00- 2817P	43.8	55.9	35.9	74.6	57.8	18.7	34.3
4 LD02- 9050	35.6	63.7	39.7	72.1	54.5	17.9	38.4
5 K10-2050	46.8	60.8	34.8	74.1	56.0	16.3	37.2
6 K10-2090	41.9	64.5	36.3	61.7	53.2	15.8	43.1
7 K10-8496	34.9	61.5	34.4	66.4	56.5	18.3	38.5
8 K10-8498	36.6	56.9	37.7	76.3	56.7	23.5	38.1
9 LD07-3395bf	40.6	68.7	43.4	72.1	64.0	17.4	39.3
10 LD07-3395bl	35.9	68.7	39.6	68.3	66.7	16.0	38.3
11 LD07-3679P	35.4	65.1	31.1	70.3	61.6	16.5	35.8
12 LD09-12184	35.4	70.3	46.0	70.2	60.2	19.8	50.0
13 LD09-12449	36.6	59.4	36.7	62.8	52.8	19.5	45.9
14 LS09-1527	50.7	64.2	43.2	70.7	57.5	19.7	34.1
15 LS09-1530	43.2	60.3	47.4	73.0	57.8	19.7	41.5
16 LS09-1803	50.3	50.0	46.5	59.2	56.1	21.3	36.2
17 LS09-2340	42.2	51.9	30.5	56.6	51.0	19.4	33.8
18 LS09-2342	43.2	59.2	45.2	67.0	53.8	20.6	35.2
19 LS09-2655	46.8	69.1	47.4	67.6	51.0	20.8	36.8
20 LS09-2659	47.3	64.8	45.6	65.7	56.5	19.2	33.6
21 LS09-2707	52.5	57.2	37.8	48.0	54.8	19.0	31.7
22 LS09-2722	46.5	64.2	42.6	62.5	62.1	22.4	39.5
23 LS09-5806	54.7	54.4	38.6	58.6	48.4	18.4	27.7
Average	43.1	61.9	39.9	67.2	56.5	18.8	37.6
LSD(.05)	15.6	4.4	12.8	12.5	7.3	3.0	9.7
C.V. %	17.1	3.4	12.8	9.0	6.4	7.7	12.4
Replications	2	2	2	2	2	2	2
Row spacing (in.)	30	30	30	30	30	30	30

2012 SCN PRELIM TEST IV

Yield (rank)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	9	5	10	8	10	21	13
2 IA4005	10	6	16	1	17	20	7
3 LD00- 2817P	11	20	19	3	6	13	18
4 LD02- 9050	20	12	11	6	16	16	9
5 K10-2050	6	14	20	4	14	19	12
6 K10-2090	15	9	18	19	19	23	3
7 K10-8496	23	13	21	15	11	15	8
8 K10-8498	17	19	15	2	9	1	11
9 LD07-3395bf	16	4	7	7	2	17	6
10 LD07-3395bl	19	3	12	12	1	22	10
11 LD07-3679P	21	7	22	10	4	18	16
12 LD09-12184	21	1	4	11	5	6	1
13 LD09-12449	17	16	17	17	20	9	2
14 LS09-1527	3	11	8	9	8	7	19
15 LS09-1530	12	15	1	5	6	8	4
16 LS09-1803	4	23	3	20	13	3	15
17 LS09-2340	12	22	23	22	21	10	20
18 LS09-2342	12	17	6	14	18	5	17
19 LS09-2655	6	2	1	13	21	4	14
20 LS09-2659	5	8	5	16	11	11	21
21 LS09-2707	2	18	14	23	15	12	22
22 LS09-2722	8	10	9	18	3	2	5
23 LS09-5806	1	21	13	21	23	14	23

2012 SCN PRELIM TEST IV

Maturity

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	9/29	9/28	9/16	10/2	9/29		9/07
2 IA4005	3	6	0	1	-4		3
3 LD00- 2817P	7	7	4	-2	7		5
4 LD02- 9050	-2	-1	-1	-1	-3		-3
5 K10-2050	7	9	6	3	11		7
6 K10-2090	0	3	0	0	-3		-1
7 K10-8496	6	9	4	3	11		0
8 K10-8498	0	7	0	2	7		-1
9 LD07-3395bf	5	5	0	-1	-4		-1
10 LD07-3395bl	3	4	0	1	-2		-3
11 LD07-3679P	2	2	-2	-1	-4		-1
12 LD09-12184	-1	4	0	-1	1		-1
13 LD09-12449	3	9	0	-2	1		0
14 LS09-1527	3	10	9	3	9		5
15 LS09-1530	1	10	9	1	6		4
16 LS09-1803	8	6	9	4	11		5
17 LS09-2340	8	10	8	2	12		7
18 LS09-2342	8	10	10	3	10		6
19 LS09-2655	6	7	10	2	6		4
20 LS09-2659	6	7	10	3	6		4
21 LS09-2707	5	7	9	1	7		5
22 LS09-2722	6	6	9	-1	9		5
23 LS09-5806	5	9	9	2	10		7
Planted	5/17	5/16	5/21	5/16	5/15	5/29	5/09

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Lodging (score)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	1.3	3.0	2.0	1.5	1.3	1.0	1.0
2 IA4005	1.3	1.5	1.0	1.5	1.0	1.0	1.0
3 LD00- 2817P	1.3	3.0	2.0	1.5	1.5	1.0	2.0
4 LD02- 9050	1.3	3.0	2.0	1.5	1.5	1.0	2.5
5 K10-2050	1.8	2.5	3.0	2.0	2.5	1.0	3.0
6 K10-2090	1.8	3.0	3.0	2.8	1.8	1.0	3.0
7 K10-8496	1.5	4.0	2.0	2.0	1.5	1.0	2.5
8 K10-8498	1.3	3.5	3.0	2.3	1.8	1.0	2.0
9 LD07-3395bf	1.3	2.0	2.0	1.5	1.3	1.0	1.0
10 LD07-3395bl	1.5	1.5	1.0	1.5	1.5	1.0	1.0
11 LD07-3679P	1.3	1.5	2.0	1.5	1.3	1.0	1.5
12 LD09-12184	1.3	2.5	3.0	1.5	2.0	1.0	2.5
13 LD09-12449	1.5	3.5	3.0	1.5	2.0	1.0	3.0
14 LS09-1527	2.0	3.0	2.0	3.0	2.5	1.0	3.0
15 LS09-1530	1.0	3.0	2.0	1.5	1.3	1.0	1.5
16 LS09-1803	2.3	3.0	3.0	2.5	2.0	1.1	4.0
17 LS09-2340	1.5	3.0	2.0	2.0	2.0	1.0	3.0
18 LS09-2342	1.5	2.5	2.0	2.5	2.5	1.0	3.0
19 LS09-2655	1.0	2.5	3.0	1.8	1.5	1.0	1.5
20 LS09-2659	1.3	2.5	3.0	1.8	1.8	1.0	1.5
21 LS09-2707	1.5	2.5	3.0	1.5	2.0	1.0	4.0
22 LS09-2722	1.5	2.0	3.0	1.5	1.5	1.0	1.5
23 LS09-5806	1.5	3.5	3.0	1.5	1.8	1.0	2.0

2012 SCN PRELIM TEST IV

Height (inches)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	26	46	25	34	37	19	38
2 IA4005	23	40	21	32	36	21	36
3 LD00- 2817P	27	45	27	36	42	21	42
4 LD02- 9050	25	43	31	33	38	22	38
5 K10-2050	27	46	35	34	42	21	39
6 K10-2090	29	42	32	34	40	21	36
7 K10-8496	27	46	24	40	45	23	43
8 K10-8498	27	49	32	36	41	24	42
9 LD07-3395bf	22	37	28	28	34	19	30
10 LD07-3395bl	21	39	23	27	35	19	31
11 LD07-3679P	26	44	28	35	41	21	36
12 LD09-12184	25	46	32	33	40	21	43
13 LD09-12449	22	47	33	33	38	21	37
14 LS09-1527	27	48	40	39	41	24	42
15 LS09-1530	25	40	32	34	38	23	39
16 LS09-1803	31	47	43	38	45	21	44
17 LS09-2340	29	47	38	36	41	21	45
18 LS09-2342	27	43	37	37	43	22	43
19 LS09-2655	24	44	37	36	39	19	39
20 LS09-2659	25	46	35	37	42	21	40
21 LS09-2707	32	46	44	35	40	21	46
22 LS09-2722	24	40	40	31	37	19	39
23 LS09-5806	35	47	40	40	43	25	47

2012 SCN PRELIM TEST IV

Seed Quality (score)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	1.0	2.0	4.0	1.3	1.0	3.0	2.0
2 IA4005	2.0	3.0	3.0	1.5	1.0	3.0	2.0
3 LD00- 2817P	2.0	3.0	3.0	1.8	2.0	4.0	3.0
4 LD02- 9050	2.0	3.0	3.0	1.5	2.0	2.0	2.0
5 K10-2050	2.0	2.0	2.0	1.5	2.0	2.0	3.0
6 K10-2090	2.0	3.0	3.0	1.3	1.0	3.0	2.0
7 K10-8496	1.0	3.0	3.0	1.5	1.0	3.0	2.0
8 K10-8498	2.0	3.0	3.0	1.5	1.0	2.0	2.0
9 LD07-3395bf	3.0	3.0	4.0	2.3	1.0	4.0	3.0
10 LD07-3395bl	2.0	3.0	3.0	1.8	1.0	4.0	2.5
11 LD07-3679P	3.0	2.0	3.0	1.3	1.0	2.0	2.0
12 LD09-12184	2.0	2.0	3.0	1.5	1.0	2.0	2.0
13 LD09-12449	2.0	3.0	4.0	1.3	1.0	3.0	2.0
14 LS09-1527	3.0	3.0	3.0	1.5	1.0	3.0	3.0
15 LS09-1530	2.0	3.0	3.0	1.3	1.0	2.0	2.0
16 LS09-1803	1.0	3.0	3.0	1.8	1.0	2.0	2.5
17 LS09-2340	2.0	2.0	2.0	1.3	3.0	3.0	2.5
18 LS09-2342	4.0	3.0	3.0	1.8	2.0	3.0	2.5
19 LS09-2655	3.0	3.0	3.0	1.5	2.0	4.0	3.0
20 LS09-2659	2.0	3.0	2.0	1.8	1.0	4.0	3.0
21 LS09-2707	2.0	3.0	2.0	1.5	2.0	3.0	2.5
22 LS09-2722	2.0	3.0	3.0	1.5	1.0	3.0	2.5
23 LS09-5806	2.0	3.0	3.0	1.8	1.0	3.0	2.0

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Seed Weight (g/100)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	14.7	12.8	11.9	14.3	15.0	12.0	11.6
2 IA4005	16.8	15.2	13.2	16.9	16.2	14.2	12.4
3 LD00- 2817P	16.2	14.9	13.6	15.5	15.5	15.1	10.9
4 LD02- 9050	17.2	16.2	13.4	16.9	17.9	14.6	12.8
5 K10-2050	19.0	17.2	15.2	19.6	19.0	17.4	14.3
6 K10-2090	17.2	17.4	13.8	16.1	17.4	15.6	13.6
7 K10-8496	15.9	16.6	13.6	16.3	17.6	14.6	11.6
8 K10-8498	15.1	14.0	13.5	15.4	16.1	12.9	11.1
9 LD07-3395bf	18.3	17.8	15.3	17.6	19.1	14.9	13.0
10 LD07-3395bl	18.3	17.9	13.4	18.2	18.5	14.5	12.7
11 LD07-3679P	18.3	16.2	13.2	17.4	18.0	14.6	13.0
12 LD09-12184	16.7	16.7	13.6	15.8	17.7	14.9	13.5
13 LD09-12449	17.8	18.2	14.9	16.9	20.0	15.3	15.2
14 LS09-1527	19.7	18.8	13.4	19.0	20.4	16.6	14.9
15 LS09-1530	18.5	17.0	13.6	17.9	18.3	17.0	13.7
16 LS09-1803	17.7	14.8	14.8	16.6	17.0	16.6	13.2
17 LS09-2340	22.9	19.7	18.7	21.1	21.4	21.1	16.5
18 LS09-2342	21.5	18.1	13.8	19.7	19.7	17.6	14.2
19 LS09-2655	20.3	18.3	13.6	19.7	21.1	16.9	14.0
20 LS09-2659	20.0	18.8	17.6	18.7	21.2	16.6	14.0
21 LS09-2707	20.3	17.9	17.1	17.6	20.9	17.5	14.8
22 LS09-2722	18.6	16.8	13.4	17.0	18.4	15.4	12.8
23 LS09-5806	18.5	16.7	13.2	17.5	18.2	16.0	12.1

2012 SCN PRELIM TEST IV

Protein (%)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	34.3	34.7		33.5	33.0		33.1
2 IA4005	36.3	35.5		33.6	32.6		35.5
3 LD00- 2817P	31.7	34.6		32.6	33.6		31.0
4 LD02- 9050	34.0	35.5		33.3	33.1		34.3
5 K10-2050	36.2	36.5		36.0	36.1		34.6
6 K10-2090	36.2	34.7		33.5	32.9		32.7
7 K10-8496	34.5	35.3		33.2	34.2		32.4
8 K10-8498	32.9	34.9		33.6	35.6		33.6
9 LD07-3395bf	34.8	34.8		33.3	32.0		33.6
10 LD07-3395bl	34.5	34.6		33.2	30.8		32.8
11 LD07-3679P	37.5	36.0		35.0	35.6		33.7
12 LD09-12184	34.4	36.1		33.9	32.9		33.7
13 LD09-12449	34.3	35.7		33.8	33.6		32.8
14 LS09-1527	34.5	35.3		34.1	33.9		35.7
15 LS09-1530	34.4	36.3		33.2	34.1		34.3
16 LS09-1803	34.3	35.2		34.8	35.5		34.2
17 LS09-2340	36.8	35.6		34.0	35.6		35.5
18 LS09-2342	35.0	35.3		33.5	33.1		33.2
19 LS09-2655	34.8	35.1		34.4	34.4		35.9
20 LS09-2659	35.5	35.1		34.6	35.0		35.3
21 LS09-2707	36.3	35.6		34.7	33.9		34.0
22 LS09-2722	35.7	36.2		35.5	34.3		35.4
23 LS09-5806	37.4	37.8		35.9	35.6		34.6

2012 SCN PRELIM TEST IV

Oil (%)

SCN HG Type	Brownstown	Manhattan	Clarkton	Columbia2	Urbana	Ottawa	Jackson
	IL	KS	MO	MO	IL	KS	TN
	I	2.7	1.2.5.6.7	2.5.7	NI	NI	NI
Strain							
1 LD00- 3309	18.7	18.9		18.7	18.8		17.8
2 IA4005	18.0	18.8		19.1	19.7		17.3
3 LD00- 2817P	19.6	19.6		19.3	18.4		20.4
4 LD02- 9050	18.8	19.2		19.2	18.9		18.2
5 K10-2050	17.3	17.9		17.1	17.8		17.5
6 K10-2090	18.3	19.2		19.1	18.7		19.2
7 K10-8496	19.4	18.7		19.1	18.3		20.4
8 K10-8498	19.8	18.7		19.2	17.4		18.9
9 LD07-3395bf	18.9	19.9		19.9	19.8		18.7
10 LD07-3395bl	18.2	19.7		19.7	20.2		18.6
11 LD07-3679P	17.5	18.8		18.1	17.7		19.6
12 LD09-12184	18.7	19.2		19.4	19.7		18.8
13 LD09-12449	19.2	19.2		18.7	19.8		20.1
14 LS09-1527	19.1	18.7		18.3	18.0		18.9
15 LS09-1530	19.4	18.2		18.6	18.5		18.0
16 LS09-1803	18.0	18.4		18.1	17.4		18.4
17 LS09-2340	18.4	19.4		19.6	18.8		19.3
18 LS09-2342	20.1	19.8		20.1	19.7		20.6
19 LS09-2655	18.9	19.8		19.2	18.7		18.2
20 LS09-2659	19.0	19.5		19.1	18.3		19.5
21 LS09-2707	17.5	19.0		19.0	18.7		19.3
22 LS09-2722	18.4	19.1		18.6	18.9		18.3
23 LS09-5806	18.0	17.9		18.1	17.2		17.8

ed	
protein	oil
@13%	@13%
5	5
33.7	18.6
34.7	18.6
32.7	19.5
34.0	18.8
35.9	17.5
34.0	18.9
33.9	19.2
34.1	18.8
33.7	19.4
33.2	19.3
35.5	18.3
34.2	19.2
34.0	19.4
34.7	18.6
34.5	18.6
34.8	18.0
35.5	19.1
34.0	20.1
34.9	19.0
35.1	19.1
34.9	18.7
35.4	18.7
36.2	17.8
