



Notat: Ny Udbyttefremgang Vinterhvede Forsøgsserie 01080 og 01081 år 2014, 2015 og 2016

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Formål

- Det undersøges om udbytte (hkg Kerne/ha og proteinprocent) og variation i de målte udbytter er forskellige i storparcelforsøg og småparcelforsøg.

Overordnede konklusioner

- Der er ikke statistisk forskel på udbyttelniveauet i små-parcelforsøg og stor-parcelforsøg (se Appendix – resultater for "Difference Niveau, Alle år Udbytte (HkgKerne/ha)"). T-testen for om den gennemsnitlige difference er nul giver en p-værdi på 0,697 – dvs. hypotesen at den gennemsnitlige difference er nul accepteres. Modellen for differencen hvor år og lokalitet indgår som tilfældige effekter og hvor interceptet testet for om det er nul (ingen forskel mellem små- og stor-parcelforsøg) viser ligeledes ingen forskel på de to forsøgstyper (p-værdi = 0,599)
- Der er ikke statistisk forskel på variationen i udbytte i små-parcelforsøg og stor-parcelforsøg (se Appendix – resultater for "Difference CV, alle år Udbytte (HkgKerne/ha)"). T-testen for om den gennemsnitlige difference er nul giver en p-værdi på 0,214 – dvs. hypotesen at den gennemsnitlige difference er nul accepteres. Modellen for differencen hvor år og lokalitet indgår som tilfældige effekter og hvor interceptet testet for om det er nul (ingen forskel mellem små- og stor-parcelforsøg) viser ligeledes ingen forskel på de to forsøgstyper (p-værdi = 0,308)
- Der er ikke statistisk forskel på proteinprocenten i små-parcelforsøg og stor-parcelforsøg (se Appendix i "Notat Proteinprocent Vinterhvede.docx" – resultater for "Difference Protein%, Alle år Råprotein (pct)"). T-testen for om den gennemsnitlige difference er nul giver en p-værdi på 0,697 – dvs. hypotesen at den gennemsnitlige difference er nul accepteres. Modellen for differencen hvor år og lokalitet indgår som tilfældige effekter og hvor interceptet testet for om det er nul (ingen forskel mellem små- og stor-parcelforsøg) viser ligeledes ingen forskel på de to forsøgstyper (p-værdi = 0,876)

Metoder

- Data trækkes fra NFTS. De outlier markeringer der er lavet i NFTS benyttes til at udelukke enkelt-observationer.
- For Udbytte hkg Kerne/ha analyseres pr år og for alle år samlet henholdsvis differencen mellem udbyttet i små- og storparcelforsøg, samt differencen i variationen (udtrykt som CV) mellem små- og storparcelforsøg. Derudover analyseres også niveauet i hkg Kerne/ha pr lokalitet pr år, samt på tværs af lokalitet pr år.

- Differencen beregnes som:
 - o Difference udbytte = udbytte Småparcel – udbytte Storparcel
 - o Difference variation = variation Småparcel – variation Storparcel
- Niveauet Udbytte hkg Kerne/ha analyseres ikke på tværs af år da behandling (faktor 1) har ændret niveau fra 2014 til 2015 og '16.
- For Udbytte proteinprocent analyseres pr år og for alle år samlet den procentvise difference mellem små- og storparcellerne.
- Differencen beregnes som:
 - o $\text{Difference} = \frac{100 * (\text{Protein\% Småparcel} - \text{Protein\% Storparcel})}{\text{Protein\% Småparcel}}$
- Niveauet i proteinprocent analyseres pr lokalitet pr år, samt på tværs af lokalitet pr år. Niveauet i proteinprocent analyseres ikke på tværs af år da behandling (faktor 1) har ændret niveau fra 2014 til 2015 og '16. Proteinprocenten er ikke analyseret i 2014 i storparcelforsøget i LBNR 001
- Data er dels analyseret med en t-test (tester om differencerne er lig med nul) og i følgende lineære mixed effects modeller:

$$Y_i = \beta_0 + \beta_1 LF1 + lbnr_j + e_i$$

- o Differencer analyseret på tværs af år:

$$Y_i = \beta_0 + \beta_1 LF1 + aar/lbnr_{k[j]} + e_i$$

- o Niveau analyseret pr lokalitet pr år:

$$Y_i = \beta_0 + \beta_1 PARCELSTØRRELSE + \beta_2 LF1 + gentagelse_j + e_i$$

- o Niveau analyseret pr år:

$$Y_i = \beta_0 + \beta_1 PARCELSTØRRELSE + \beta_2 LF1 + lbnr/gentagelse_{k[j]} + e_i$$

Tabel 1. Oversigt over forsøgsserierne og hvilke forsøg der indgår i analyserne. Omdøbning af LBNR (markeret med fed) for storparcelforsøgene, således at lokalitet passer med småparcelforsøgene.

Småparcel 010801616 LBNR	Storparcel 010811616 Oprindelig NFTS LBNR	Nyt LBNR	By
001	001	001	Ringsted
002	002	002	Rønde
003	003	003	Brønderslev
004	004	004	Holeby
006	006	006	Vojens

Småparcel 010801515 LBNR	Storparcel 010811515 Oprindelig NFTS LBNR	Nyt LBNR	By
001	001	001	Ringsted
002	002	002	Hjerm
003	003	003	Holeby
004	004	004	Rønde
006	006	006	Brønderslev
007	005	007	Vojens

Småparcel 010801414		Storparcel 010811414	
LBNR		Oprindelig NFTS LBNR	Nyt LBNR By
003		001	003 Ringsted *)
004		004	004 Hjern
005		005	005 Brønderslev
006		006	006 Vojens

*) LBNR 001 (nyt nr: 003) udelades fra analyserne af proteinprocent da denne ikke er registreret på denne lokalitet i storparcelforsøget.

Resultater

- Alle resultater præsenteres i Appendix. Resultater fra analyserne af proteinprocenter og differencerne i proteinprocenter præsenteres i Appendix i dokumentet "Notat Proteinprocent Vinterhvede.docx".

Referencer

R Core Team (2016). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL <https://www.R-project.org/>.

Appendix**Difference Niveau, 2014 Udbytte (HkgKerne/ha)**

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	-0.703552861539714
parameter.df	11
p.value	0.49633371493778

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.1355183	4.817089	3.344237	-0.2357271	0.8273561
LF12	-2.8160118	1.932074	6.000002	-1.4575071	0.1952437
LF13	0.8211782	1.932074	6.000002	0.4250242	0.6856396

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	29.11121	14.5556	2	5.999996	1.949632	0.2226615

LSmeans for fixed effects

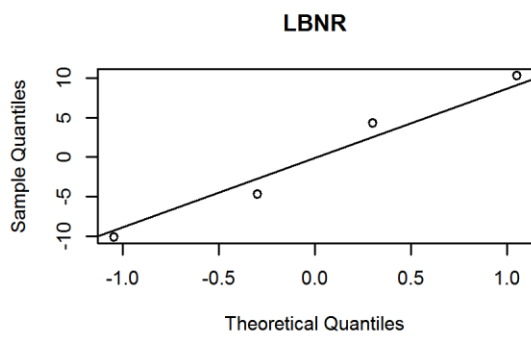
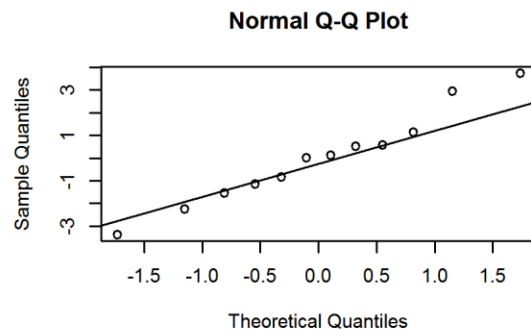
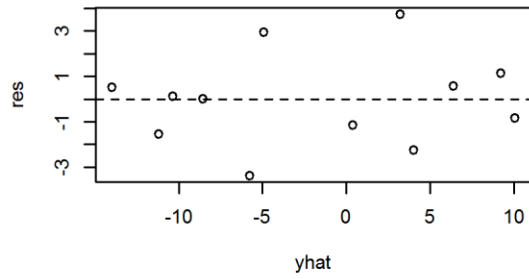
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	-1.1	4.8	3.344236	-15.6	13.3	a
2	-4.0	4.8	3.344236	-18.4	10.5	a
3	-0.3	4.8	3.344236	-14.8	14.2	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	4.7

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.22266



Difference Niveau, 2015 Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	1.61633711552313
parameter.df	17
p.value	0.124425861291102

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	5.960906	4.521898	5.831729	1.318231	0.2368331
LF12	-3.605827	2.153444	9.999997	-1.674447	0.1249836
LF13	-2.257443	2.153444	9.999997	-1.048295	0.3191781

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	39.83235	19.91617	2	9.999994	1.431587	0.2839615

LSmeans for fixed effects

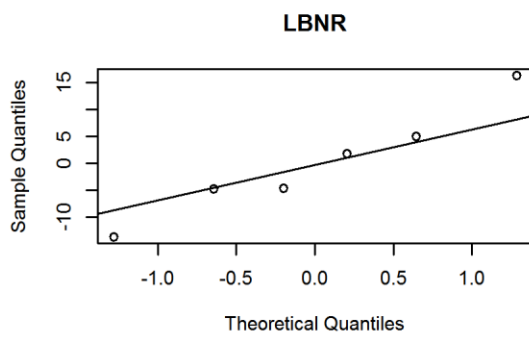
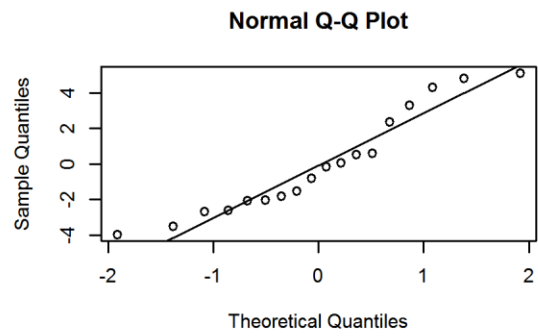
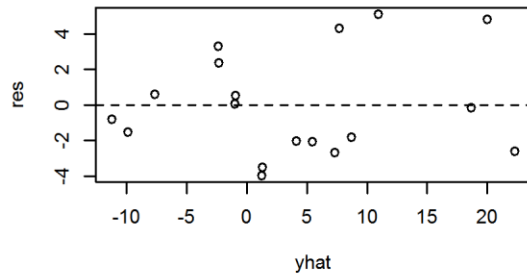
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	6.0	4.5	5.83173	-5.2	17.1	a
2	2.4	4.5	5.83173	-8.8	13.5	a
3	3.7	4.5	5.83173	-7.4	14.8	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	4.8

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.28396



Difference Niveau, 2016 Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	-0.368356726401176
parameter.df	14
p.value	0.718117415344077

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.370965	6.763425	4.657202	-0.2027028	0.8479222
LF12	-1.916534	3.202772	8.000020	-0.5983985	0.5661266
LF13	2.006467	3.202772	8.000020	0.6264783	0.5484563

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	38.48157	19.24079	2	7.999997	0.750293	0.5027573

LSmeans for fixed effects

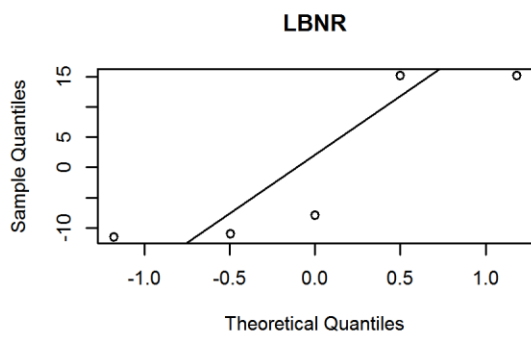
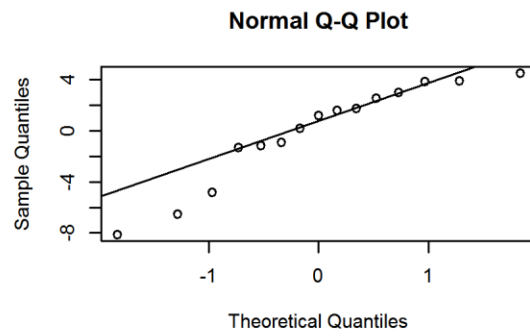
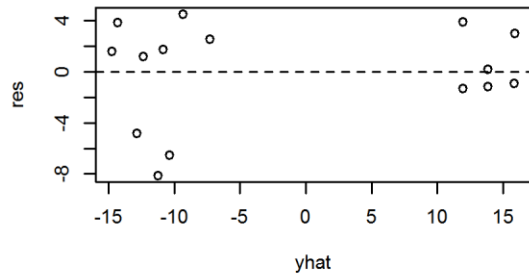
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	-1.4	6.8	4.657198	-19.1	16.4	a
2	-3.3	6.8	4.657198	-21.1	14.5	a
3	0.6	6.8	4.657198	-17.1	18.4	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	7.4

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.50276



Difference Niveau, Alle år Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	0.392571815292362
parameter.df	44
p.value	0.696531145319066

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.62456901	3.029535	16.2102	0.53624366	0.59907249
LF12	-2.83211169	1.408669	28.0000	-2.01048701	0.05410027
LF13	-0.01517424	1.408669	28.0000	-0.01077204	0.99148171

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	79.78112	39.89056	2	27.99999	2.680345	0.08608396

LSmeans for fixed effects

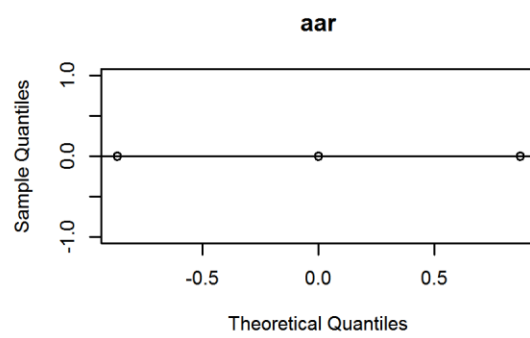
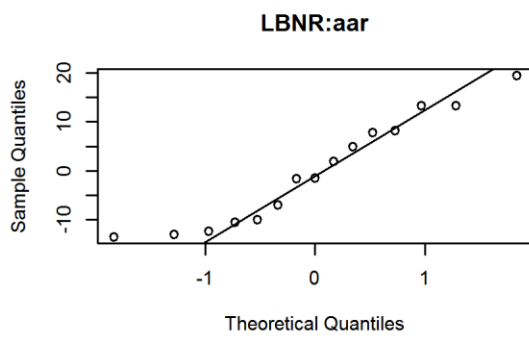
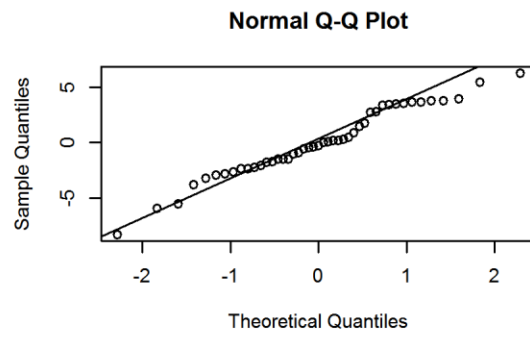
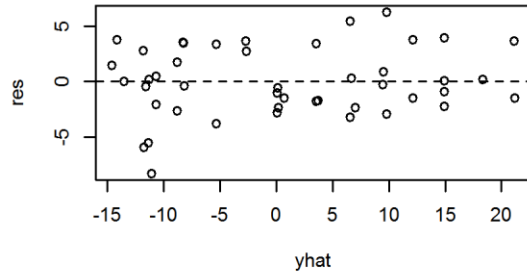
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	1.6	3.1	2.173923	-10.8	14.0	a
2	-1.2	3.1	2.173923	-13.6	11.2	a
3	1.6	3.1	2.173923	-10.8	14.0	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	2.9

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.08608



Difference CV, 2014 Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	1.48212682772124
parameter.df	11
p.value	0.166377728356592

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	2.103338191	2.301041	5.082167	0.914081028	0.4019595
LF12	0.003858358	2.003768	6.000002	0.001925551	0.9985261
LF13	-0.937840543	2.003768	6.000002	-0.468038506	0.6562753

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	2.355142	1.177571	2	5.999998	0.1466433	0.866605

LSmeans for fixed effects

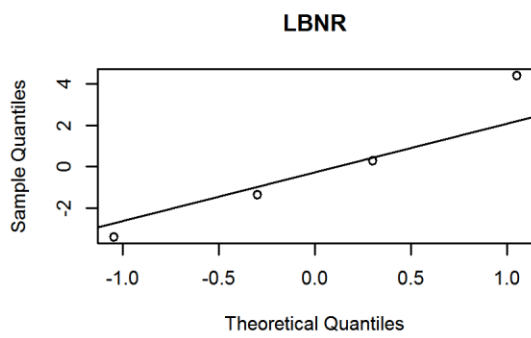
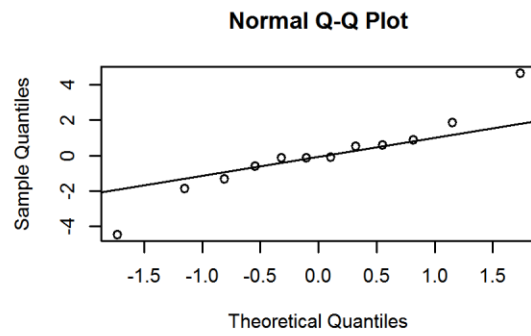
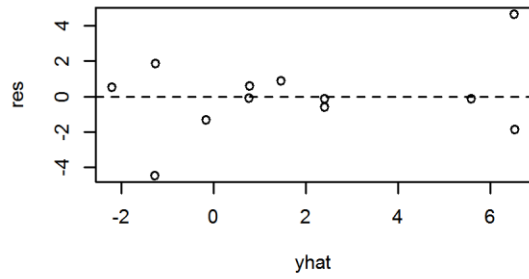
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	2.1	2.3	5.082165	-3.8	8.0	a
2	2.1	2.3	5.082165	-3.8	8.0	a
3	1.2	2.3	5.082165	-4.7	7.1	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	4.9

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.86661



Difference CV, 2015 Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	0.0849151659999706
parameter.df	17
p.value	0.933320852357205

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.2604939	1.025264	10.980958	0.2540750	0.8041324
LF12	-0.3863195	1.096806	9.999998	-0.3522221	0.7319817
LF13	-0.2531711	1.096806	9.999998	-0.2308257	0.8221042

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	0.4621337	0.2310668	2	10	0.064026	0.9383619

LSmeans for fixed effects

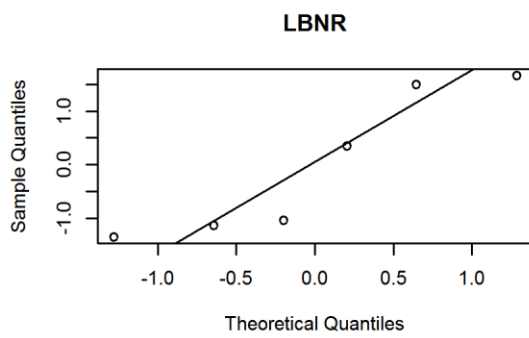
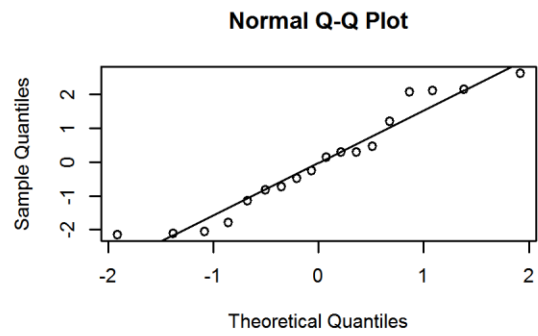
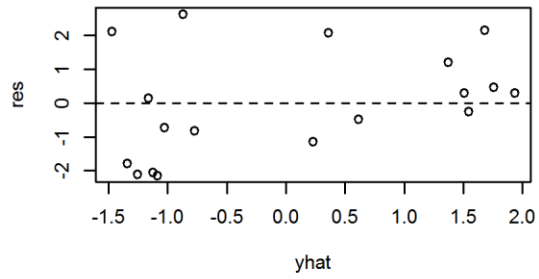
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	0.3	1	10.98096	-2.0	2.5	a
2	-0.1	1	10.98096	-2.4	2.1	a
3	0.0	1	10.98096	-2.2	2.3	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	2.4

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.93836



Difference CV, 2016 Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	0.430825550765979
parameter.df	14
p.value	0.673154413500395

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.7651210	1.757358	9.180487	0.4353814	0.6733424
LF12	-0.2461937	1.938091	8.000000	-0.1270290	0.9020523
LF13	-0.8291589	1.938091	8.000000	-0.4278224	0.6800642

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	1.813274	0.9066368	2	8	0.09654833	0.9090078

LSmeans for fixed effects

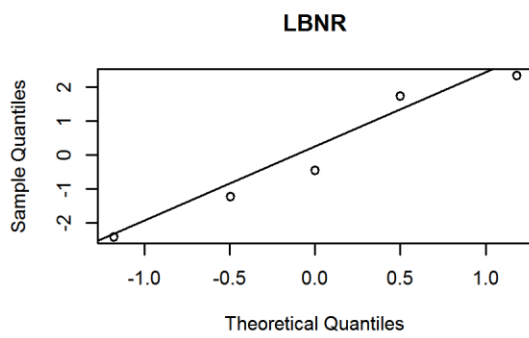
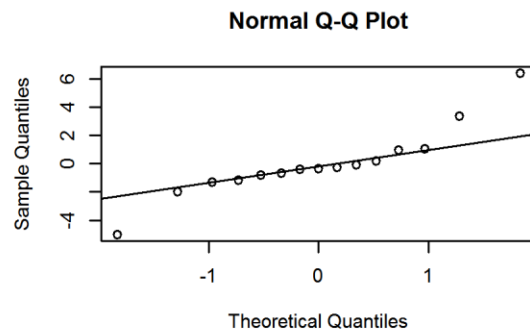
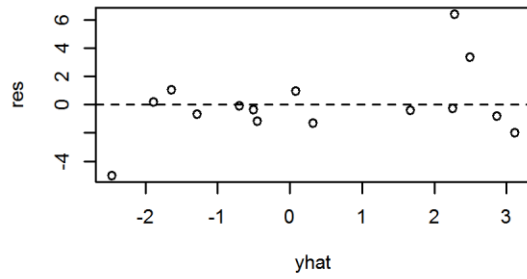
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	0.8	1.8	9.180486	-3.2	4.7	a
2	0.5	1.8	9.180486	-3.4	4.5	a
3	-0.1	1.8	9.180486	-4.0	3.9	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	4.5

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.90901



Difference CV, alle år Udbytte (HkgKerne/ha)

Test af differencen: Difference = SmåParcel - StorParcel (positiv: småparcel har højest værdi)

T-test af difference. H0: gennemsnitlig difference = 0

	ttest3
statistic.t	1.26063772782279
parameter.df	44
p.value	0.21408360057006

Model for difference: diff = intercept + LF1 + RandomEffects

Test af om intercept = 0

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.9201280	0.8865769	27.54329	1.0378435	0.3083688
LF12	-0.2355635	0.8756175	27.99999	-0.2690255	0.7898825
LF13	-0.6277455	0.8756175	27.99999	-0.7169175	0.4793631

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
LF1	3.016807	1.508403	2	28.00001	0.2623176	0.7711362

LSmeans for fixed effects

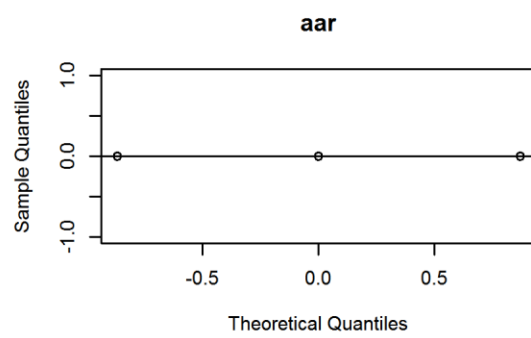
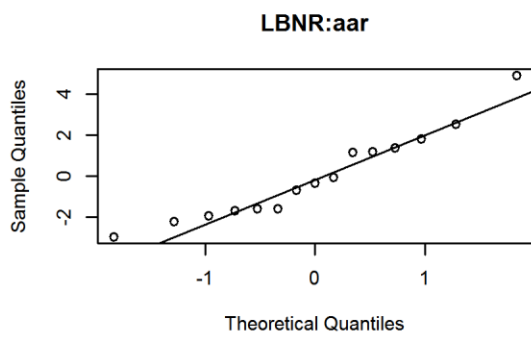
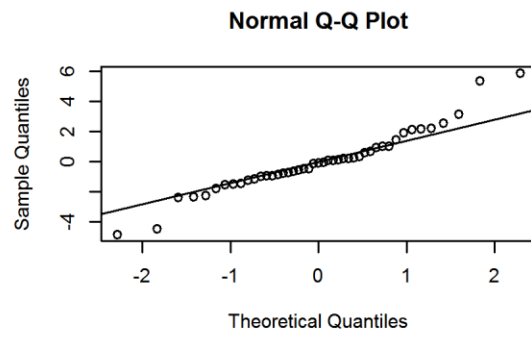
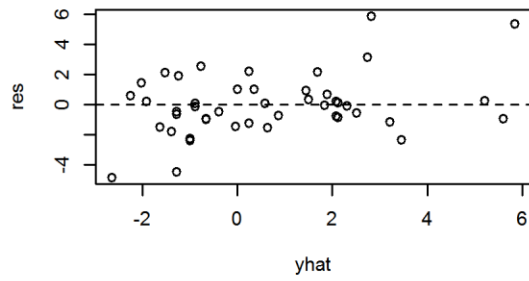
LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	0.9	0.9	4.048906	-1.6	3.4	a
2	0.7	0.9	4.048906	-1.8	3.2	a
3	0.3	0.9	4.048906	-2.2	2.8	a

LSD for fixed effects

	out[[i]]\$LSD
LF1	1.8

p-værdier for fixed effects

	out[[i]]\$pvalues
LF1	p = 0.77114



Niveau, 2014 LBNR 003, Ringsted, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	886.37974	886.379737	1	18.00001	95.7315266	1.247987e-08
LF1	27.75151	13.875754	2	18.00001	1.4986208	2.500301e-01
ParcStr:LF1	11.65776	5.828881	2	18.00001	0.6295356	5.441699e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	112.6	0.9	10	110.6	114.6	a
StorParceller	124.8	0.9	10	122.8	126.7	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	117.3	1.1	15	115.0	119.6	a
2	119.9	1.1	15	117.6	122.2	a
3	118.9	1.1	15	116.6	121.2	a

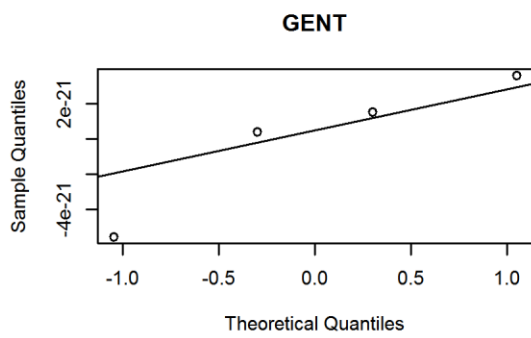
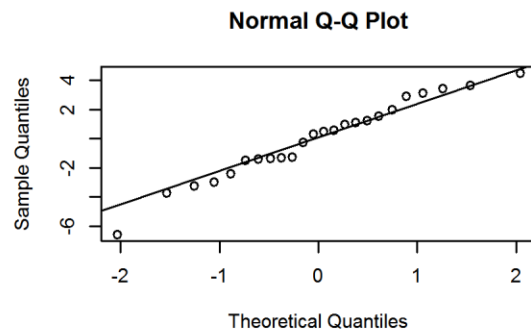
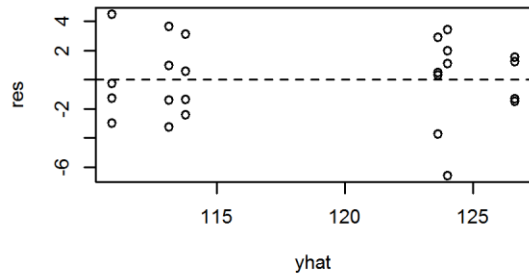
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	110.9	1.5	18	107.7	114.1	a
StorParceller	1	123.6	1.5	18	120.4	126.8	b
SmåParceller	2	113.1	1.5	18	109.9	116.3	a
StorParceller	2	126.6	1.5	18	123.4	129.8	b
SmåParceller	3	113.8	1.5	18	110.6	117.0	a
StorParceller	3	124.0	1.5	18	120.8	127.2	b

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	2.6
LF1	3.2
ParcStr:LF1	4.6

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p < 0.001
LF1	p = 0.25003
ParcStr:LF1	p = 0.54417



Niveau, 2014 LBNR 004, Hjern, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	470.38409	470.384094	1	15.00001	10.0776179	0.006283054
LF1	536.95273	268.476367	2	15.00001	5.7518999	0.013991783
ParcStr:LF1	11.78614	5.893071	2	15.00001	0.1262545	0.882317230

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	84.6	3.5	4.181834	74.9	94.2	a
StorParceller	75.7	3.5	4.181834	66.1	85.4	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	74.6	3.8	5.475939	65.1	84.1	a
2	79.7	3.8	5.475939	70.1	89.2	ab
3	86.2	3.8	5.475939	76.7	95.7	b

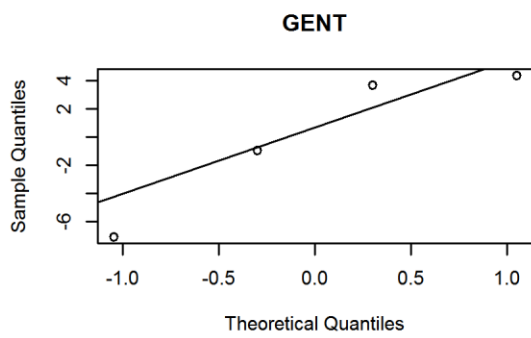
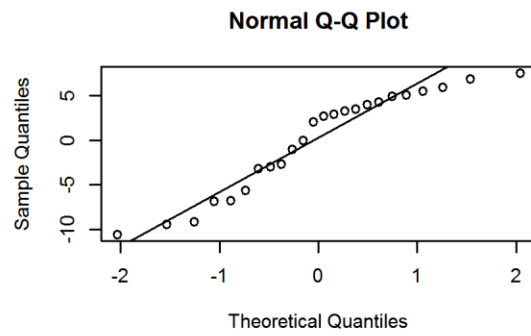
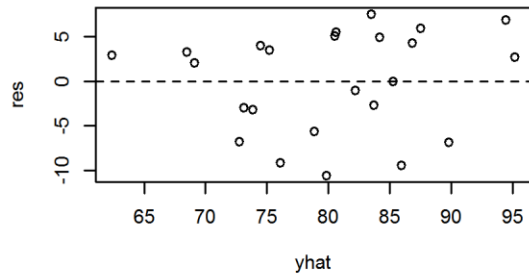
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	79.8	4.5	9.481285	69.7	89.9	a
StorParceller	1	69.4	4.5	9.481285	59.3	79.5	b
SmåParceller	2	83.1	4.5	9.481285	73.0	93.3	a c
StorParceller	2	76.2	4.5	9.481285	66.1	86.3	ab
SmåParceller	3	90.8	4.5	9.481285	80.7	100.9	c
StorParceller	3	81.6	4.5	9.481285	71.5	91.7	a c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	5.9
LF1	7.3
ParcStr:LF1	10.3

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 0.00628
LF1	p = 0.01399
ParcStr:LF1	p = 0.88232



Niveau, 2014 LBNR 005, Brønderslev, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	259.30904	259.30904	1	14.99999	13.986330	0.001971566
LF1	390.93510	195.46755	2	14.99999	10.542917	0.001382482
ParcStr:LF1	62.77567	31.38784	2	14.99999	1.692963	0.217291689

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	91.0	1.8	5.035995	86.4	95.7	a
StorParceller	97.6	1.8	5.035995	93.0	102.3	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	89.7	2	7.279613	85.0	94.4	a
2	93.7	2	7.279613	89.0	98.4	a
3	99.5	2	7.279613	94.8	104.3	b

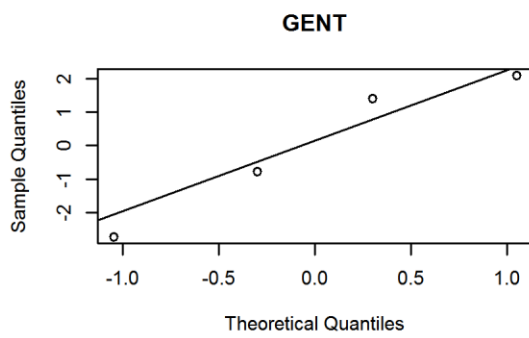
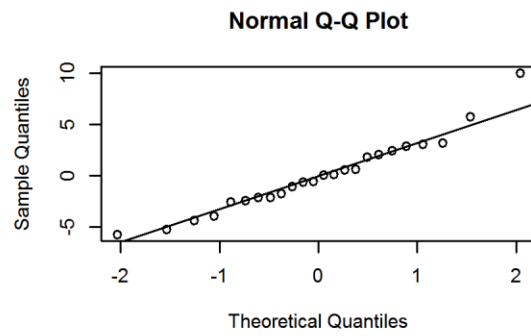
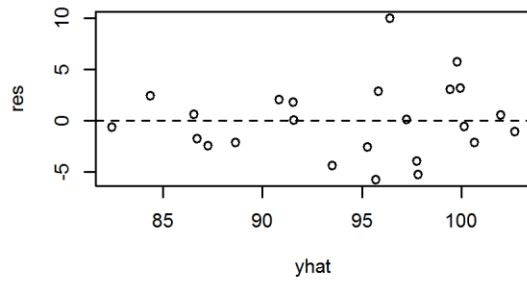
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	85.1	2.5	13.12443	79.7	90.6	a
StorParceller	1	94.3	2.5	13.12443	88.8	99.7	bc
SmåParceller	2	89.4	2.5	13.12443	84.0	94.9	ab
StorParceller	2	98.0	2.5	13.12443	92.6	103.5	c
SmåParceller	3	98.5	2.5	13.12443	93.1	104.0	c
StorParceller	3	100.5	2.5	13.12443	95.1	106.0	c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	3.7
LF1	4.6
ParcStr:LF1	6.5

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 0.00197
LF1	p = 0.00138
ParcStr:LF1	p = 0.21729



Niveau, 2014 LBNR 006, Vojens, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	42.85019	42.85019	1	18.00001	4.456206	4.902410e-02
LF1	831.99128	415.99564	2	18.00001	43.261476	1.332129e-07
ParcStr:LF1	61.59270	30.79635	2	18.00001	3.202667	6.457876e-02

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	120.3	0.9	10	118.3	122.3	a
StorParceller	117.6	0.9	10	115.6	119.6	a

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	110.7	1.1	15	108.4	113.1	a
2	124.1	1.1	15	121.8	126.4	b
3	122.1	1.1	15	119.8	124.4	b

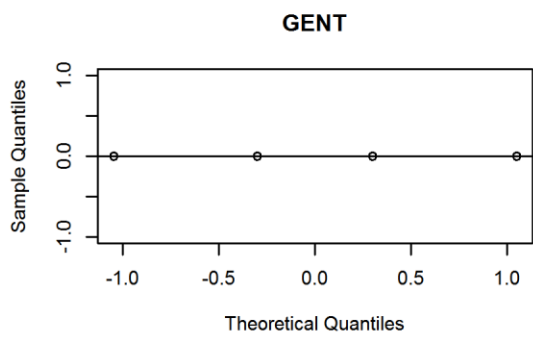
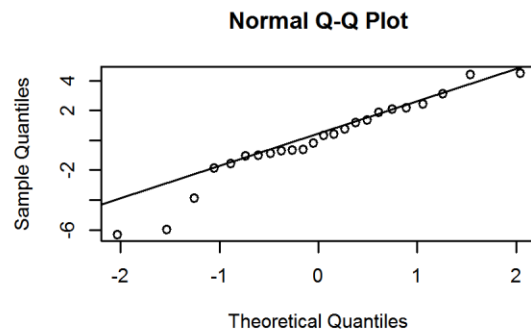
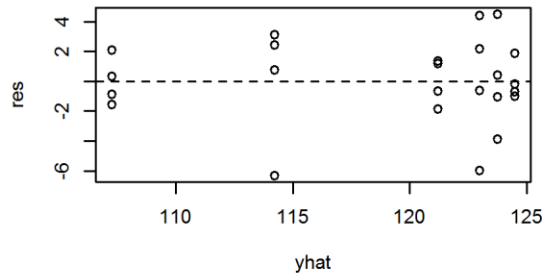
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	114.2	1.6	18	111.0	117.5	a
StorParceller	1	107.2	1.6	18	104.0	110.5	b
SmåParceller	2	123.7	1.6	18	120.5	127.0	c
StorParceller	2	124.5	1.6	18	121.2	127.7	c
SmåParceller	3	123.0	1.6	18	119.7	126.2	c
StorParceller	3	121.2	1.6	18	117.9	124.5	c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	2.7
LF1	3.3
ParcStr:LF1	4.7

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 0.04902
LF1	p < 0.001
ParcStr:LF1	p = 0.06458



Niveau, 2015 LBNR 001, Ringsted, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	4.362351	4.362351	1	18.00002	0.2971668	5.923552e-01
LF1	2664.830364	1332.415182	2	18.00002	90.7651800	3.957001e-10
ParcStr:LF1	5.613016	2.806508	2	18.00002	0.1911816	8.276381e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	134.7	1.1	10	132.2	137.2	a
StorParceller	135.5	1.1	10	133.1	138.0	a

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	146.3	1.4	15	143.4	149.2	a
2	138.0	1.4	15	135.2	140.9	b
3	121.0	1.4	15	118.1	123.9	c

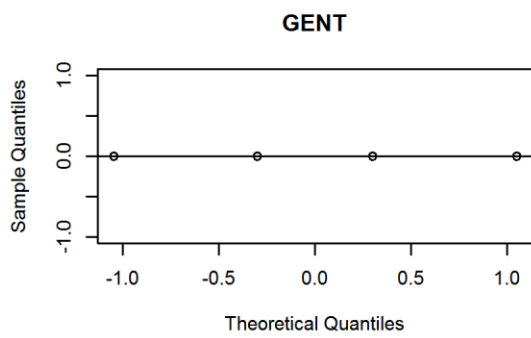
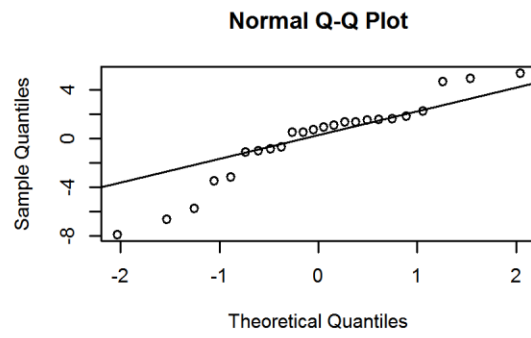
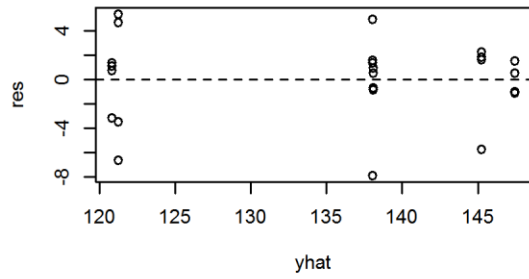
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	145.2	1.9	18	141.2	149.2	a
StorParceller	1	147.4	1.9	18	143.4	151.4	a
SmåParceller	2	138.1	1.9	18	134.0	142.1	b
StorParceller	2	138.0	1.9	18	134.0	142.0	b
SmåParceller	3	120.8	1.9	18	116.8	124.8	c
StorParceller	3	121.2	1.9	18	117.2	125.2	c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	3.3
LF1	4.1
ParcStr:LF1	5.8

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 0.59236
LF1	p < 0.001
ParcStr:LF1	p = 0.82764



Niveau, 2015 LBNR 002, Hjerm, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	202.5745	202.57454	1	15	42.35025	9.897015e-06
LF1	1838.4692	919.23459	2	15	192.17524	2.044220e-11
ParcStr:LF1	117.3027	58.65135	2	15	12.26166	6.986902e-04

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	134.5	0.8	6.394664	132.6	136.4	a
StorParceller	128.7	0.8	6.394664	126.8	130.6	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	138.7	0.9	9.938338	136.7	140.7	a
2	136.8	0.9	9.938338	134.8	138.8	a
3	119.3	0.9	9.938338	117.3	121.3	b

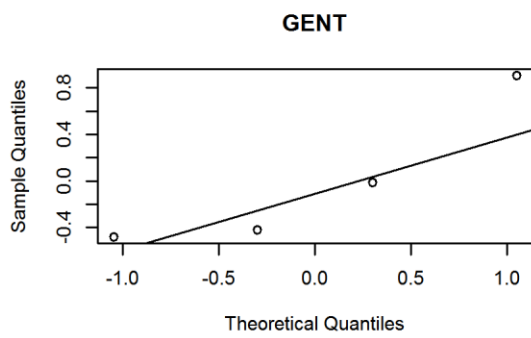
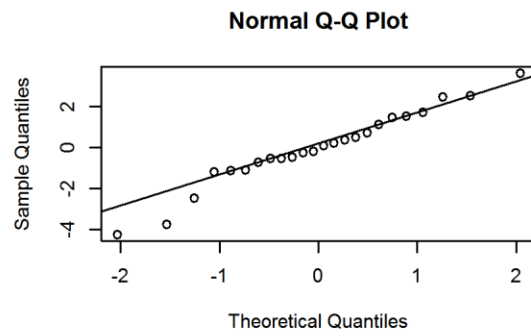
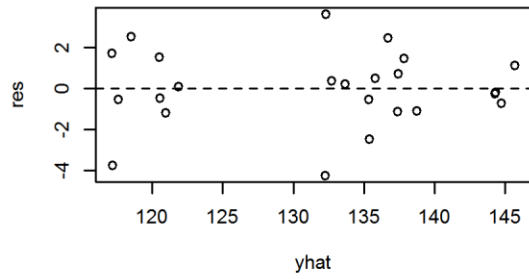
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	144.7	1.2	16.28491	142.2	147.3	a
StorParceller	1	132.7	1.2	16.28491	130.2	135.2	b
SmåParceller	2	137.8	1.2	16.28491	135.3	140.3	c
StorParceller	2	135.8	1.2	16.28491	133.3	138.3	bc
SmåParceller	3	121.0	1.2	16.28491	118.5	123.5	d
StorParceller	3	117.6	1.2	16.28491	115.1	120.1	e

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	1.9
LF1	2.3
ParcStr:LF1	3.3

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 1e-05
LF1	p < 0.001
ParcStr:LF1	p = 7e-04



Niveau, 2015 LBNR 003, Holeby, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	619.92175	619.92175	1	15.00001	47.462635	5.152979e-06
LF1	828.25331	414.12665	2	15.00001	31.706489	4.099893e-06
ParcStr:LF1	29.76856	14.88428	2	15.00001	1.139575	3.461519e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	132.4	1.5	5.048456	128.5	136.3	a
StorParceller	142.6	1.5	5.048456	138.7	146.4	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	144.5	1.7	7.305412	140.5	148.5	a
2	137.8	1.7	7.305412	133.8	141.8	b
3	130.1	1.7	7.305412	126.2	134.1	c

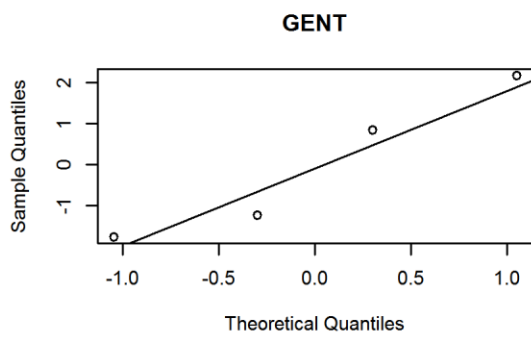
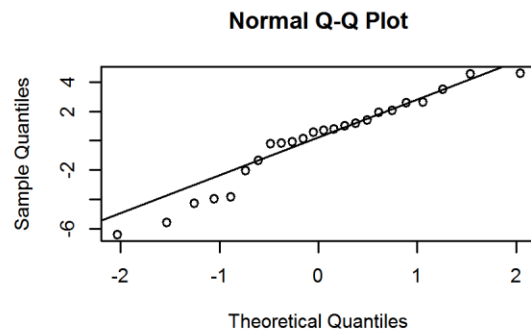
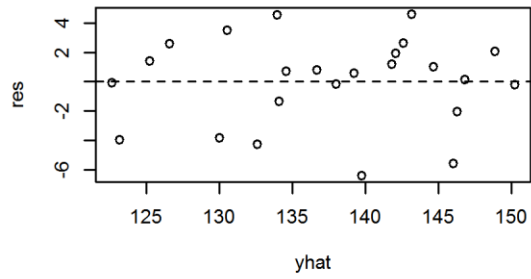
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	141.0	2.1	13.16692	136.4	145.5	ab
StorParceller	1	148.0	2.1	13.16692	143.4	152.6	c
SmåParceller	2	131.8	2.1	13.16692	127.2	136.3	d
StorParceller	2	143.8	2.1	13.16692	139.3	148.4	a c
SmåParceller	3	124.4	2.1	13.16692	119.8	129.0	e
StorParceller	3	135.8	2.1	13.16692	131.3	140.4	b d

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	3.1
LF1	3.9
ParcStr:LF1	5.4

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 1e-05
LF1	p < 0.001
ParcStr:LF1	p = 0.34615



Niveau, 2015 LBNR 004, Rønde, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	2641.54257	2641.54257	1	18.00004	70.3728929	1.238517e-07
LF1	1946.17038	973.08519	2	18.00004	25.9237995	5.012840e-06
ParcStr:LF1	45.06656	22.53328	2	18.00004	0.6003053	5.592644e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	124	1.8	10	120	127.9	a
StorParceller	103	1.8	10	99	106.9	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	122.0	2.2	15	117.4	126.7	a
2	117.3	2.2	15	112.7	121.9	a
3	101.0	2.2	15	96.4	105.6	b

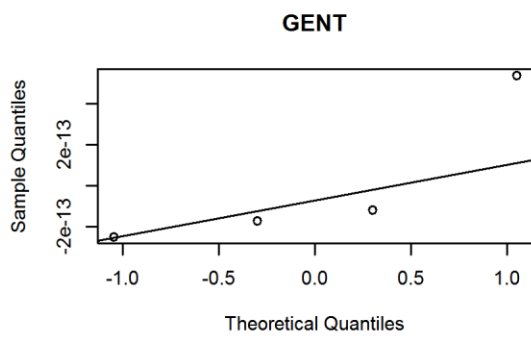
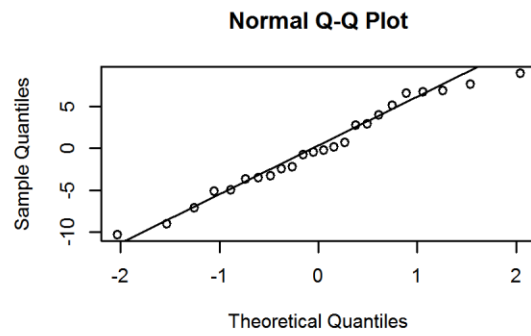
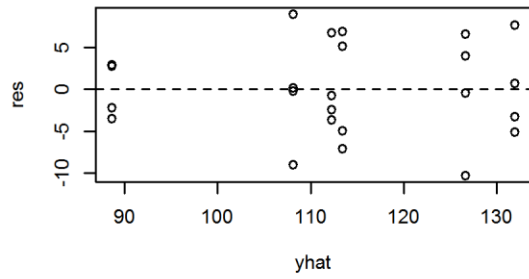
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	131.9	3.1	18	125.4	138.3	a
StorParceller	1	112.2	3.1	18	105.8	118.7	b
SmåParceller	2	126.6	3.1	18	120.1	133.0	a
StorParceller	2	108.1	3.1	18	101.6	114.5	b
SmåParceller	3	113.4	3.1	18	107.0	119.9	b
StorParceller	3	88.6	3.1	18	82.2	95.1	c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	5.3
LF1	6.5
ParcStr:LF1	9.2

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p < 0.001
LF1	p = 1e-05
ParcStr:LF1	p = 0.55926



Niveau, 2015 LBNR 006, Brønderslev, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	506.6468	506.64679	1	15	6.5493362	0.0217980409
LF1	3278.5036	1639.25182	2	15	21.1903272	0.0000426524
ParcStr:LF1	146.7258	73.36291	2	15	0.9483497	0.4094212251

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	107.6	4.4	4.319629	95.9	119.4	a
StorParceller	98.4	4.4	4.319629	86.7	110.2	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	117.7	4.7	5.770007	106.1	129.4	a
2	102.2	4.7	5.770007	90.6	113.9	b
3	89.1	4.7	5.770007	77.5	100.8	c

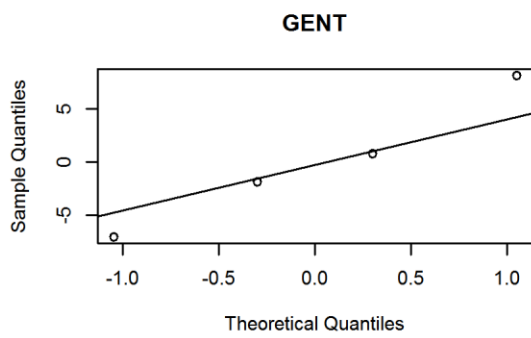
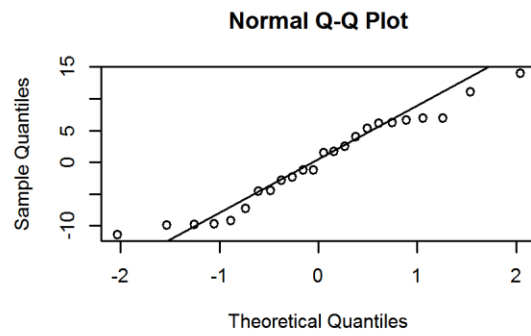
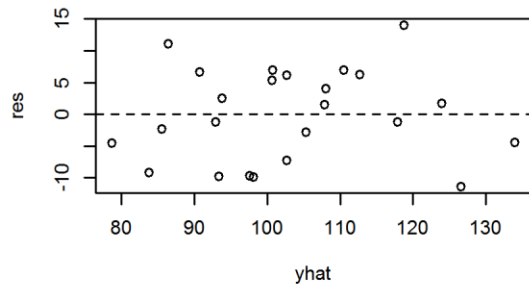
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	125.8	5.6	10.16512	113.2	138.3	a
StorParceller	1	109.7	5.6	10.16512	97.1	122.2	b
SmåParceller	2	104.6	5.6	10.16512	92.0	117.1	bc
StorParceller	2	99.9	5.6	10.16512	87.4	112.5	bc
SmåParceller	3	92.6	5.6	10.16512	80.0	105.1	cd
StorParceller	3	85.7	5.6	10.16512	73.1	98.2	d

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	7.7
LF1	9.4
ParcStr:LF1	13.3

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 0.0218
LF1	p = 4e-05
ParcStr:LF1	p = 0.40942



Niveau, 2015 LBNR 007, Vojens, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	5.142687	5.142687	1	15.00002	0.4601904	5.078662e-01
LF1	1417.680735	708.840368	2	15.00002	63.4301712	4.805299e-08
ParcStr:LF1	13.427188	6.713594	2	15.00002	0.6007621	5.610678e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	139.0	1	8.704441	136.7	141.3	a
StorParceller	139.9	1	8.704441	137.6	142.2	a

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	148.4	1.2	13.5256	145.8	151.1	a
2	140.3	1.2	13.5256	137.6	142.9	b
3	129.7	1.2	13.5256	127.0	132.3	c

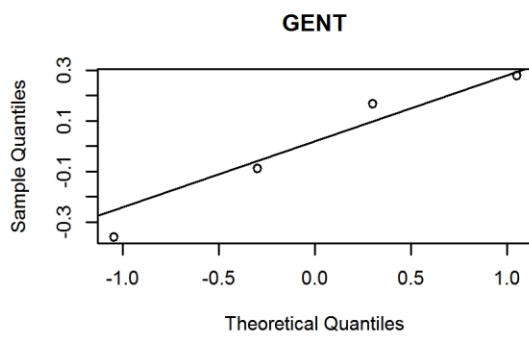
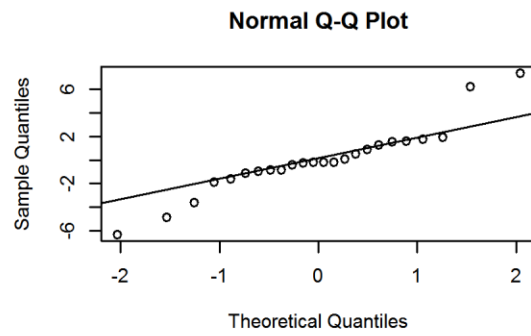
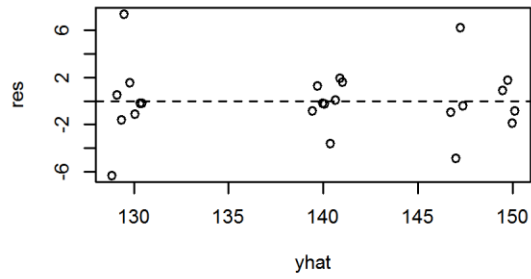
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	147.1	1.7	17.87705	143.5	150.7	a
StorParceller	1	149.8	1.7	17.87705	146.2	153.4	a
SmåParceller	2	140.7	1.7	17.87705	137.1	144.3	b
StorParceller	2	139.8	1.7	17.87705	136.2	143.4	b
SmåParceller	3	129.2	1.7	17.87705	125.6	132.8	c
StorParceller	3	130.2	1.7	17.87705	126.6	133.7	c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	2.9
LF1	3.6
ParcStr:LF1	5.0

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 0.50787
LF1	p < 0.001
ParcStr:LF1	p = 0.56107



Niveau, 2016 LBNR 001, Ringsted, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	872.76422	872.76422	1	14.00223	207.509775	8.664072e-10
LF1	1281.87239	640.93619	2	14.00072	152.389984	3.148611e-10
ParcStr:LF1	29.75584	14.87792	2	14.00072	3.537398	5.708751e-02

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	109.1	1.6	3.531947	104.3	113.9	a
StorParceller	121.6	1.6	3.413871	116.8	126.4	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	124.6	1.7	3.877671	120.0	129.3	a
2	115.5	1.7	3.877671	110.8	120.1	b
3	105.9	1.7	4.155982	101.3	110.5	c

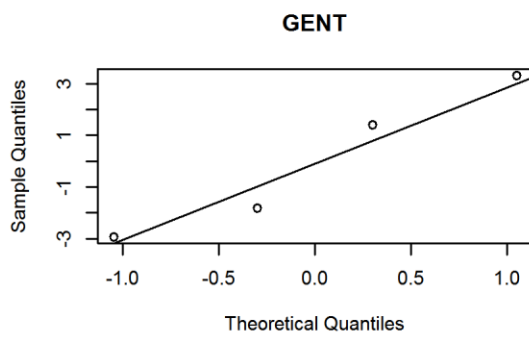
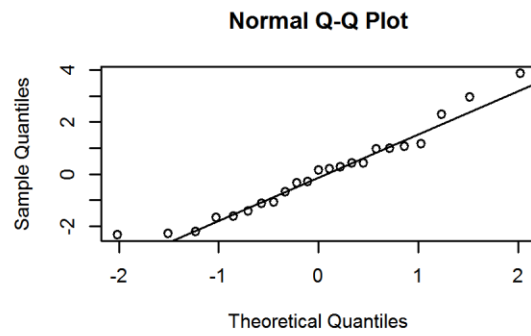
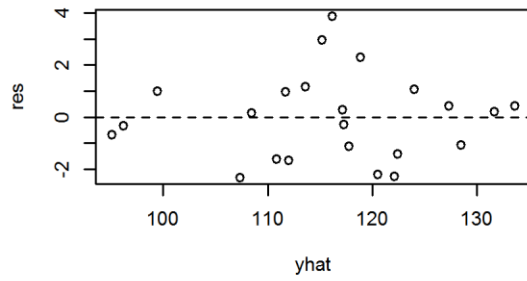
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	119.1	1.8	5.365116	114.5	123.6	a
StorParceller	1	130.2	1.8	5.365116	125.7	134.8	b
SmåParceller	2	110.3	1.8	5.365116	105.7	114.8	c
StorParceller	2	120.7	1.8	5.365116	116.1	125.2	a
SmåParceller	3	98.0	1.9	6.565206	93.4	102.6	d
StorParceller	3	113.8	1.8	5.365116	109.2	118.4	e

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	1.9
LF1	2.3
ParcStr:LF1	3.2

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p < 0.001
LF1	p < 0.001
ParcStr:LF1	p = 0.05709



Niveau, 2016 LBNR 002, Rønde, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	1060.82987	1060.82987	1	17.99999	31.013509	2.756752e-05
LF1	1220.58019	610.29009	2	17.99999	17.841916	5.356263e-05
ParcStr:LF1	74.57723	37.28862	2	17.99999	1.090138	3.573622e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	91.0	1.7	10	87.2	94.8	a
StorParceller	104.3	1.7	10	100.5	108.1	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	106.6	2.1	15	102.2	111.0	a
2	97.3	2.1	15	92.9	101.7	b
3	89.1	2.1	15	84.7	93.5	c

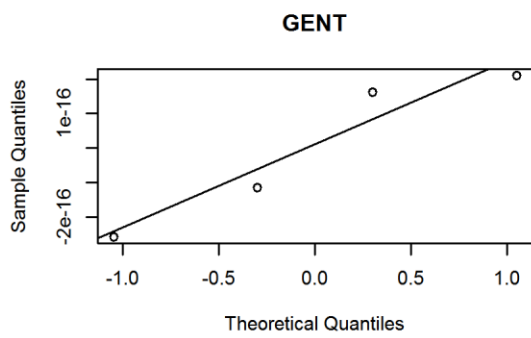
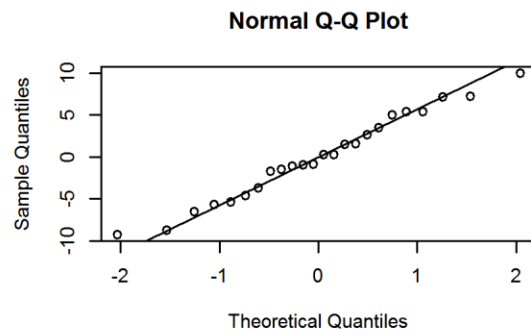
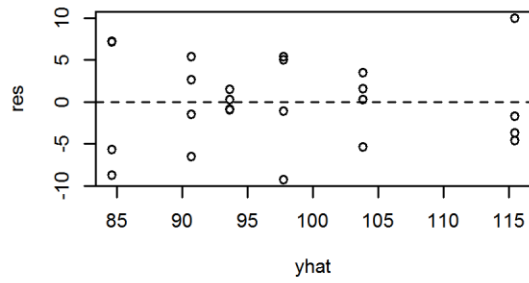
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	97.7	2.9	18	91.6	103.9	ab
StorParceller	1	115.4	2.9	18	109.3	121.6	c
SmåParceller	2	90.7	2.9	18	84.5	96.8	a d
StorParceller	2	103.8	2.9	18	97.7	110.0	b
SmåParceller	3	84.6	2.9	18	78.5	90.8	d
StorParceller	3	93.7	2.9	18	87.5	99.8	a

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	5.1
LF1	6.2
ParcStr:LF1	8.8

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 3e-05
LF1	p = 5e-05
ParcStr:LF1	p = 0.35736



Niveau, 2016 LBNR 003, Brønderslev, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	1168.04728	1168.047277	1	13.82820	106.4235756	7.114464e-08
LF1	326.96481	163.482403	2	13.81915	14.8952719	3.559745e-04
ParcStr:LF1	12.50169	6.250844	2	13.81915	0.5695293	5.785257e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	106.1	1.2	6.761534	103.2	109.1	a
StorParceller	91.8	1.2	6.041561	88.9	94.6	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	104.3	1.5	10.731366	101.1	107.5	a
2	97.4	1.4	9.413513	94.3	100.4	b
3	95.2	1.4	9.413513	92.1	98.2	b

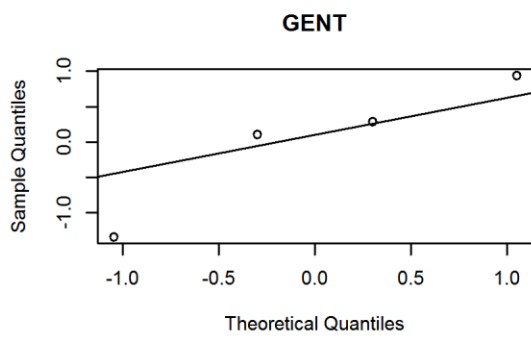
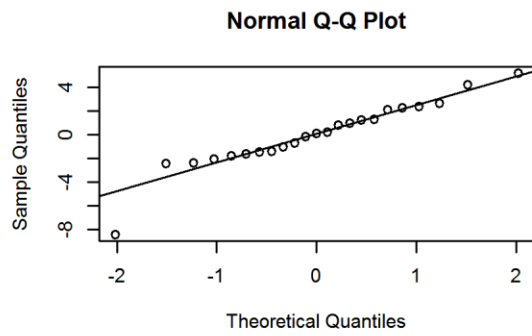
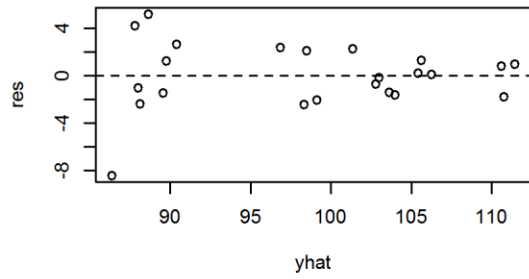
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	110.5	2.1	16.40871	106.0	114.9	a
StorParceller	1	98.2	1.8	15.44580	94.4	102.0	b
SmåParceller	2	105.3	1.8	15.44580	101.5	109.1	a c
StorParceller	2	89.5	1.8	15.44580	85.6	93.3	d
SmåParceller	3	102.7	1.8	15.44580	98.9	106.5	bc
StorParceller	3	87.7	1.8	15.44580	83.9	91.5	d

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	3.0
LF1	3.7
ParcStr:LF1	5.2

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p < 0.001
LF1	p = 0.00036
ParcStr:LF1	p = 0.57853



Niveau, 2016 LBNR 004, Holeby, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	1265.10244	1265.10244	1	15.00002	52.072199	2.993224e-06
LF1	1004.58670	502.29335	2	15.00002	20.674626	4.886763e-05
ParcStr:LF1	68.65306	34.32653	2	15.00002	1.412896	2.740427e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	124.0	1.9	5.739092	119.3	128.6	a
StorParceller	109.5	1.9	5.739092	104.8	114.1	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	125.0	2.1	8.698255	120.2	129.9	a
2	115.8	2.1	8.698255	111.0	120.7	b
3	109.3	2.1	8.698255	104.4	114.1	c

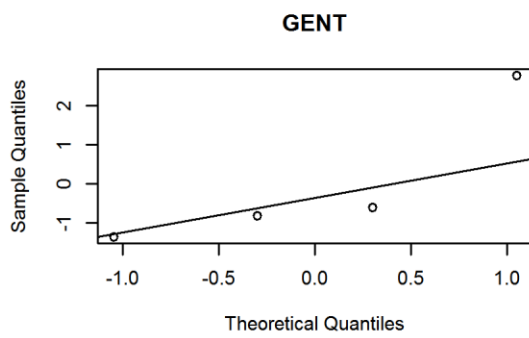
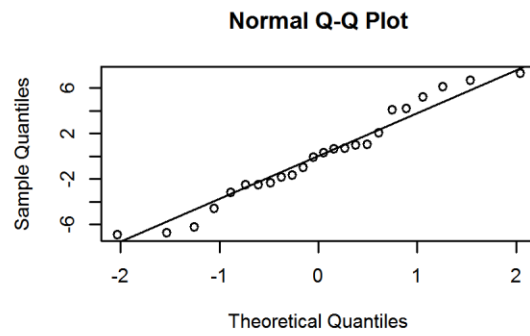
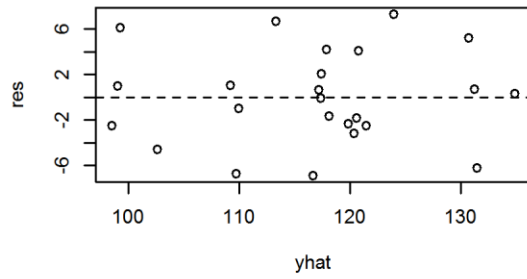
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	132.1	2.7	15.09388	126.2	137.9	a
StorParceller	1	118.0	2.7	15.09388	112.1	123.9	b
SmåParceller	2	121.2	2.7	15.09388	115.3	127.0	b
StorParceller	2	110.5	2.7	15.09388	104.7	116.4	c
SmåParceller	3	118.7	2.7	15.09388	112.8	124.6	b
StorParceller	3	99.8	2.7	15.09388	94.0	105.7	d

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	4.3
LF1	5.3
ParcStr:LF1	7.4

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p < 0.001
LF1	p = 5e-05
ParcStr:LF1	p = 0.27404



Niveau, 2016 LBNR 006, Vojens, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	552.6817	552.6817	1	13.82004	40.98264	1.753324e-05
LF1	613.9057	306.9528	2	13.81318	22.76127	4.245928e-05
ParcStr:LF1	280.4678	140.2339	2	13.81318	10.39867	1.757361e-03

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	114.0	1.5	5.730097	110.3	117.8	a
StorParceller	123.9	1.5	5.169063	120.2	127.6	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	124.8	1.6	7.682416	121.0	128.7	a
2	119.6	1.7	8.877177	115.6	123.5	b
3	112.5	1.6	7.682416	108.7	116.3	c

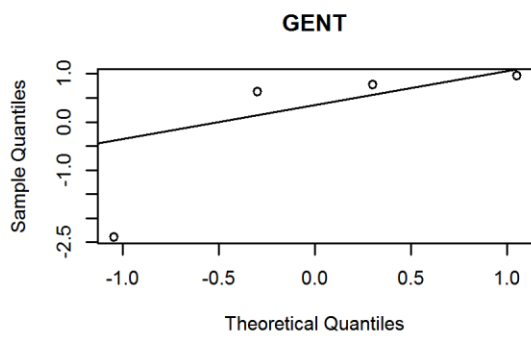
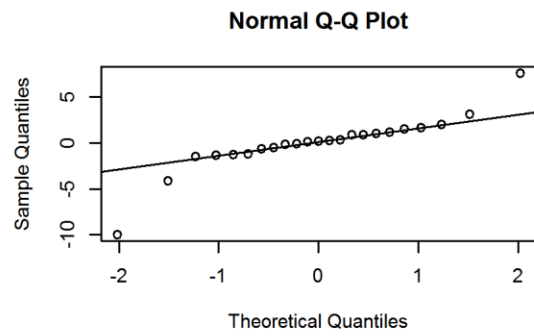
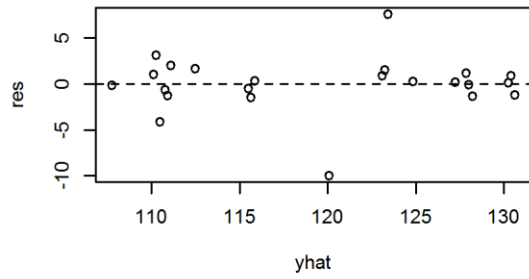
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	122.4	2.1	13.60253	117.9	126.9	a
StorParceller	1	127.2	2.1	13.60253	122.7	131.7	ab
SmåParceller	2	109.5	2.4	15.37655	104.4	114.6	c
StorParceller	2	129.6	2.1	13.60253	125.1	134.1	b
SmåParceller	3	110.1	2.1	13.60253	105.6	114.6	c
StorParceller	3	114.9	2.1	13.60253	110.4	119.4	c

LSD for fixed effects

	out[[i]]\$LSD
ParcStr	3.3
LF1	4.1
ParcStr:LF1	5.8

p-værdier for fixed effects

	out[[i]]\$pvalues
ParcStr	p = 2e-05
LF1	p = 4e-05
ParcStr:LF1	p = 0.00176



Niveau, 2014, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	77.79999	77.79999	1	75.00029	1.6751045	1.995473e-01
LF1	1262.79520	631.39760	2	75.00029	13.5945640	9.164707e-06
ParcStr:LF1	58.22242	29.11121	2	75.00029	0.6267908	5.370789e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	102.1	9.6	3.031794	71.8	132.5	a
StorParceller	103.9	9.6	3.031794	73.6	134.3	a

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	98.1	9.6	3.063749	67.8	128.3	a
2	104.3	9.6	3.063749	74.1	134.6	b
3	106.7	9.6	3.063749	76.4	136.9	b

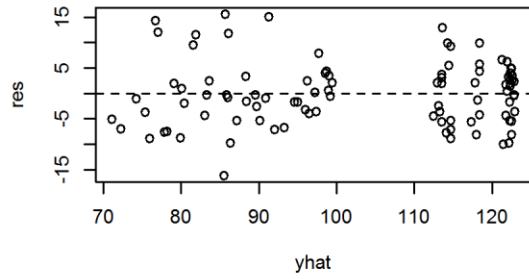
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	97.5	9.7	3.160576	67.5	127.5	a
StorParceller	1	98.7	9.7	3.160576	68.7	128.6	ab
SmåParceller	2	102.4	9.7	3.160576	72.4	132.3	bc
StorParceller	2	106.3	9.7	3.160576	76.3	136.3	c
SmåParceller	3	106.5	9.7	3.160576	76.5	136.5	c
StorParceller	3	106.8	9.7	3.160576	76.9	136.8	c

LSD for fixed effects

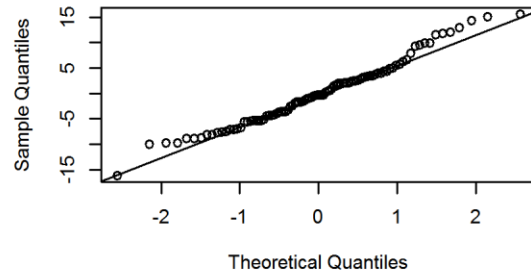
	out[[i]]\$LSD
ParcStr	2.8
LF1	3.4
ParcStr:LF1	4.8

p-værdier for fixed effects

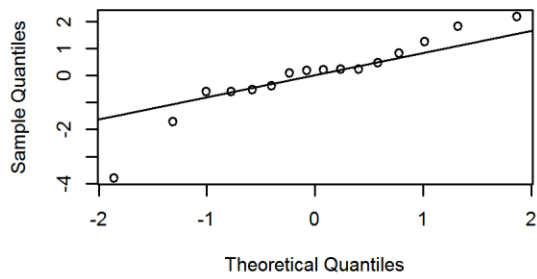
	out[[i]]\$pvalues
ParcStr	p = 0.19955
LF1	p = 1e-05
ParcStr:LF1	p = 0.53708



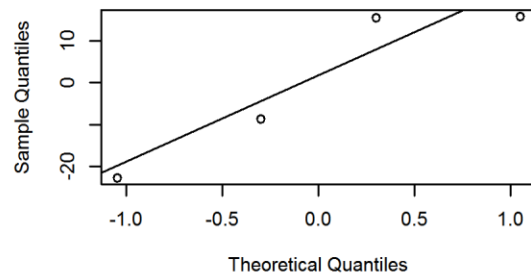
Normal Q-Q Plot



GENT:LBNR



LBNR



Niveau, 2015, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	577.86838	577.86838	1	114.9994	9.6196282	0.002422007
LF1	11147.03969	5573.51985	2	114.9994	92.7809690	0.000000000
ParcStr:LF1	79.66469	39.83235	2	114.9994	0.6630789	0.517221115

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	128.7	6.1	5.113443	113.1	144.3	a
StorParceller	124.7	6.1	5.113443	109.1	140.3	b

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	136.3	6.1	5.2281	120.7	151.9	a
2	128.7	6.1	5.2281	113.1	144.3	b
3	115.0	6.1	5.2281	99.4	130.6	c

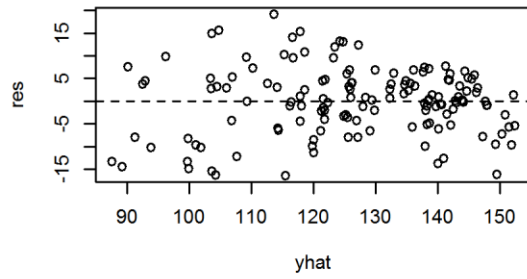
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	139.3	6.2	5.579316	123.7	154.9	a
StorParceller	1	133.3	6.2	5.579316	117.7	148.9	b
SmåParceller	2	129.9	6.2	5.579316	114.3	145.5	bc
StorParceller	2	127.6	6.2	5.579316	112.0	143.1	c
SmåParceller	3	116.9	6.2	5.579316	101.3	132.5	d
StorParceller	3	113.2	6.2	5.579316	97.6	128.8	d

LSD for fixed effects

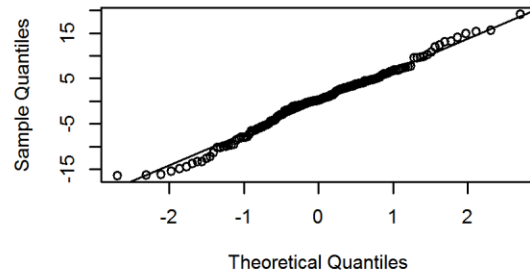
	out[[i]]\$LSD
ParcStr	2.6
LF1	3.1
ParcStr:LF1	4.4

p-værdier for fixed effects

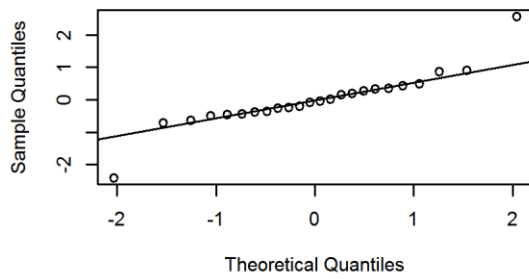
	out[[i]]\$pvalues
ParcStr	p = 0.00242
LF1	p < 0.001
ParcStr:LF1	p = 0.51722



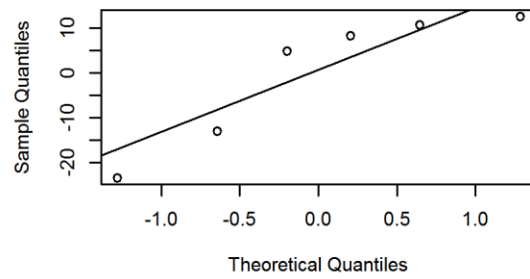
Normal Q-Q Plot



GENT:LBNR



LBNR



Niveau, 2016, Udbytte (HkgKerne/ha)

ANOVA tabel for fixed effects

	Sum Sq	Mean Sq	NumDF	DenDF	F.value	Pr(>F)
ParcStr	35.86304	35.86304	1	107.0033	0.5143397	4.748289e-01
LF1	4049.17211	2024.58606	2	107.0076	29.0361622	8.439627e-11
ParcStr:LF1	88.89561	44.44781	2	107.0076	0.6374605	5.306286e-01

LSmeans for fixed effects

ParcStr	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	109.1	4.8	4.229848	96.1	122.1	a
StorParceller	110.2	4.8	4.206783	97.2	123.2	a

LF1	lsmean	SE	df	lower.CL	upper.CL	.group
1	117.0	4.8	4.442576	104.1	129.9	a
2	109.4	4.8	4.442576	96.5	122.3	b
3	102.6	4.8	4.442576	89.7	115.5	c

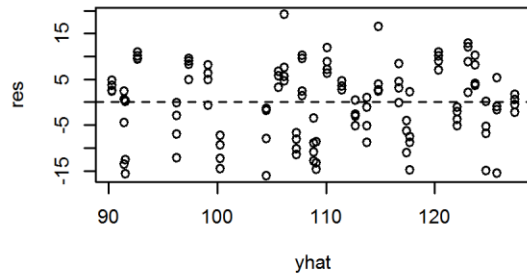
ParcStr	LF1	lsmean	SE	df	lower.CL	upper.CL	.group
SmåParceller	1	116.2	5	5.186236	103.4	128.9	a
StorParceller	1	117.8	5	5.108877	105.0	130.6	a
SmåParceller	2	107.9	5	5.186236	95.1	120.7	bc
StorParceller	2	110.8	5	5.108877	98.0	123.6	b
SmåParceller	3	103.2	5	5.186236	90.4	116.0	cd
StorParceller	3	102.0	5	5.108877	89.2	114.7	d

LSD for fixed effects

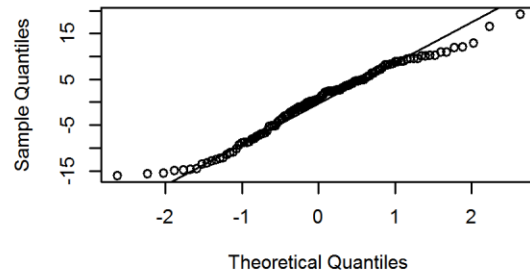
	out[[i]]\$LSD
ParcStr	3.1
LF1	3.8
ParcStr:LF1	5.3

p-værdier for fixed effects

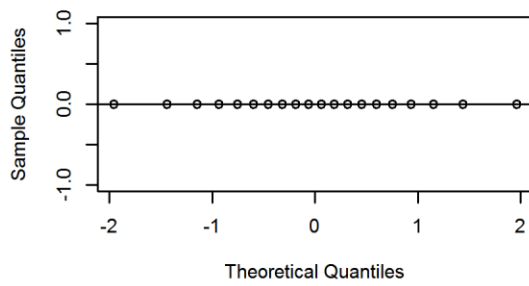
	out[[i]]\$pvalues
ParcStr	p = 0.47483
LF1	p < 0.001
ParcStr:LF1	p = 0.53063



Normal Q-Q Plot



GENT:LBNR



LBNR

