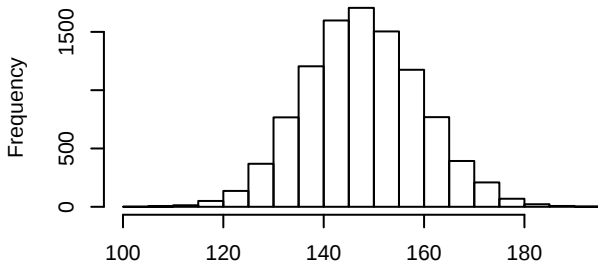


Magnaporthe

Magnaporthe

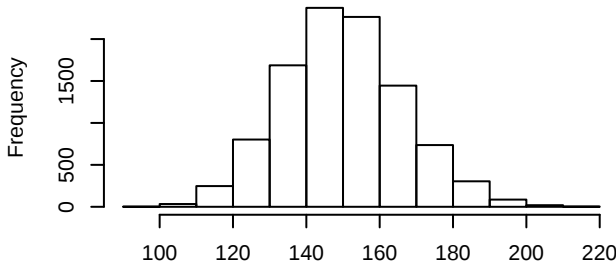
```
Probes on Barleychip: 42348
Probes on Wheatchip: 43635
Barleyprobes in Ortholist: 16079
Wheatprobes in Ortholist: 25224
DE barley: 3252
DE wheat: 2777
DE barley that are in the Ortholist 1380
DE wheat: 2777
DE wheat that are in the Ortholist 1763
_1_ wheat DE genes that have a barley ortholog, barley genes counted: 1473
_2_ Fraction of orthogenes vs all, wheat counted: 0.57806806462702
_3_ Fraction of barleyDE in barleyortholist: 0.0858262329746875
Expected overlap based on _1_ * _3_: 126.422041171715
wheat DE genes that have a DE barley ortholog, barley genes counted: 533
_1_ barley DE genes that have a wheat ortholog, wheat genes counted: 2387
_2_ Fraction of orthogenes vs all, barley counted: 0.379687352413337
_3_ Fraction of wheatDE in wheatortholist: 0.0698937519822391
Expected overlap based on _1_ * _3_: 166.836385981605
DE barley that have a DE wheat ortholog, wheat genes counted: 731
```

Wheat experiment simulation
wheat probes selected from chip 2777



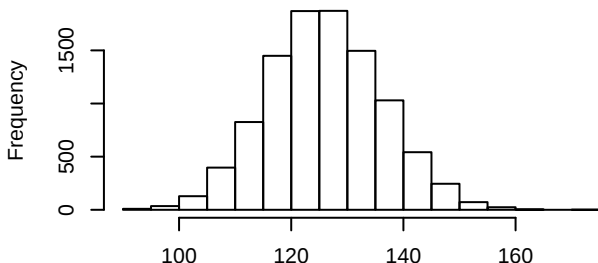
De-DE; Mean ORTO found: 1674.1132

Barley experiment simulation
barley probes selected from chip 3252



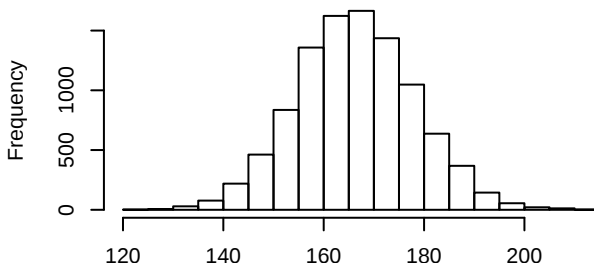
De-DE; Mean ORTO found: 2114.1908

Wheat experiment simulation
barley! uniq. probes w. ortholog selected 1473



De-DE

Barley experiment simulation
wheat! uniq. probes w. ortholog selected 2387

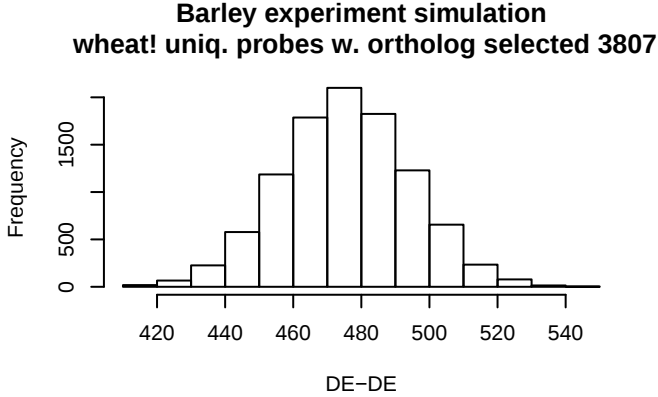
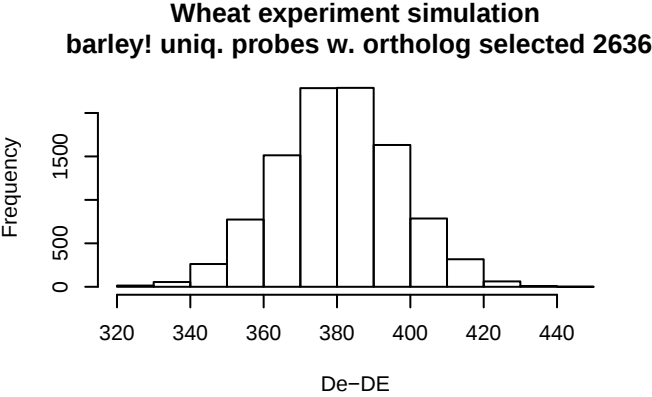
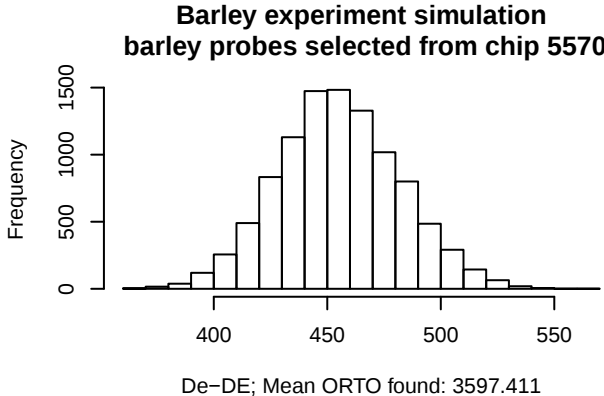
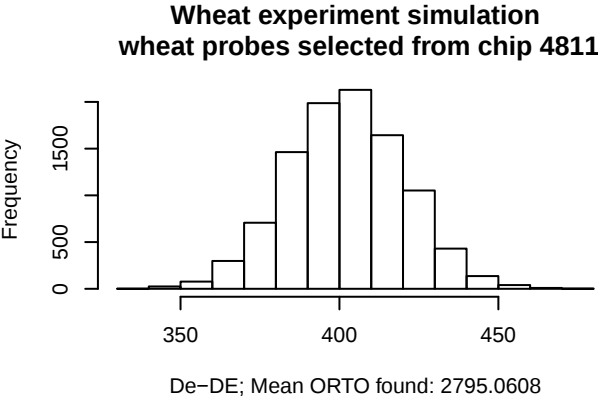


De-DE

Blumeria

Blumeria

Probes on Barleychip: 42348
Probes on Wheatchip: 43635
Barleyprobes in Ortholist: 16079
Wheatprobes in Ortholist: 25224
DE barley: 5570
DE wheat: 4811
DE barley that are in the Ortholist 2322
DE wheat: 4811
DE wheat that are in the Ortholist 3152
1 wheat DE genes that have a barley ortholog, barley genes counted: 2636
2 Fraction of orthogenes vs all, wheat counted: 0.57806806462702
3 Fraction of barleyDE in barleyortholist: 0.144411965918279
Expected overlap based on _1_ * _3_: 380.669942160582
wheat DE genes that have a DE barley ortholog, barley genes counted: 946
1 barley DE genes that have a wheat ortholog, wheat genes counted: 3807
2 Fraction of orthogenes vs all, barley counted: 0.379687352413337
3 Fraction of wheatDE in wheatortholist: 0.124960355217253
Expected overlap based on _1_ * _3_: 475.724072312084
DE barley that have a DE wheat ortholog, wheat genes counted: 1306

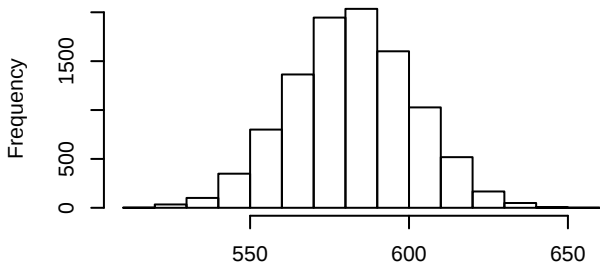


Puccinia

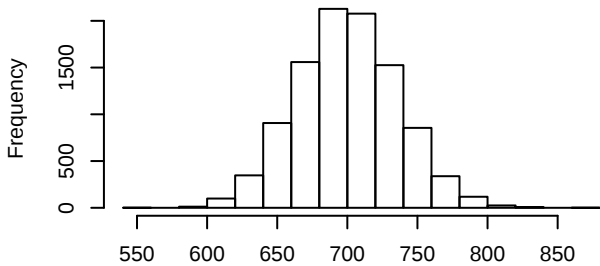
Puccinia

Probes on Barleychip: 42348
Probes on Wheatchip: 43635
Barleyprobes in Ortholist: 16079
Wheatprobes in Ortholist: 25224
DE barley: 3763
DE wheat: 10756
DE barley that are in the Ortholist 1630
DE wheat: 10756
DE wheat that are in the Ortholist 7169
1 wheat DE genes that have a barley ortholog, barley genes counted: 5501
2 Fraction of orthogenes vs all, wheat counted: 0.57806806462702
3 Fraction of barleyDE in barleyortholist: 0.101374463586044
Expected overlap based on _1_ * _3_: 557.660924186828
wheat DE genes that have a DE barley ortholog, barley genes counted: 1105
1 barley DE genes that have a wheat ortholog, wheat genes counted: 2754
2 Fraction of orthogenes vs all, barley counted: 0.379687352413337
3 Fraction of wheatDE in wheatortholist: 0.284213447510308
Expected overlap based on _1_ * _3_: 782.723834443387
DE barley that have a DE wheat ortholog, wheat genes counted: 1617

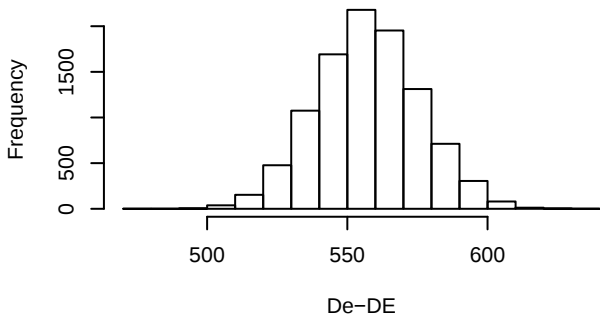
Wheat experiment simulation
wheat probes selected from chip 10756



Barley experiment simulation
barley probes selected from chip 3763



Wheat experiment simulation
barley! uniq. probes w. ortholog selected 5501



Barley experiment simulation
wheat! uniq. probes w. ortholog selected 2754

