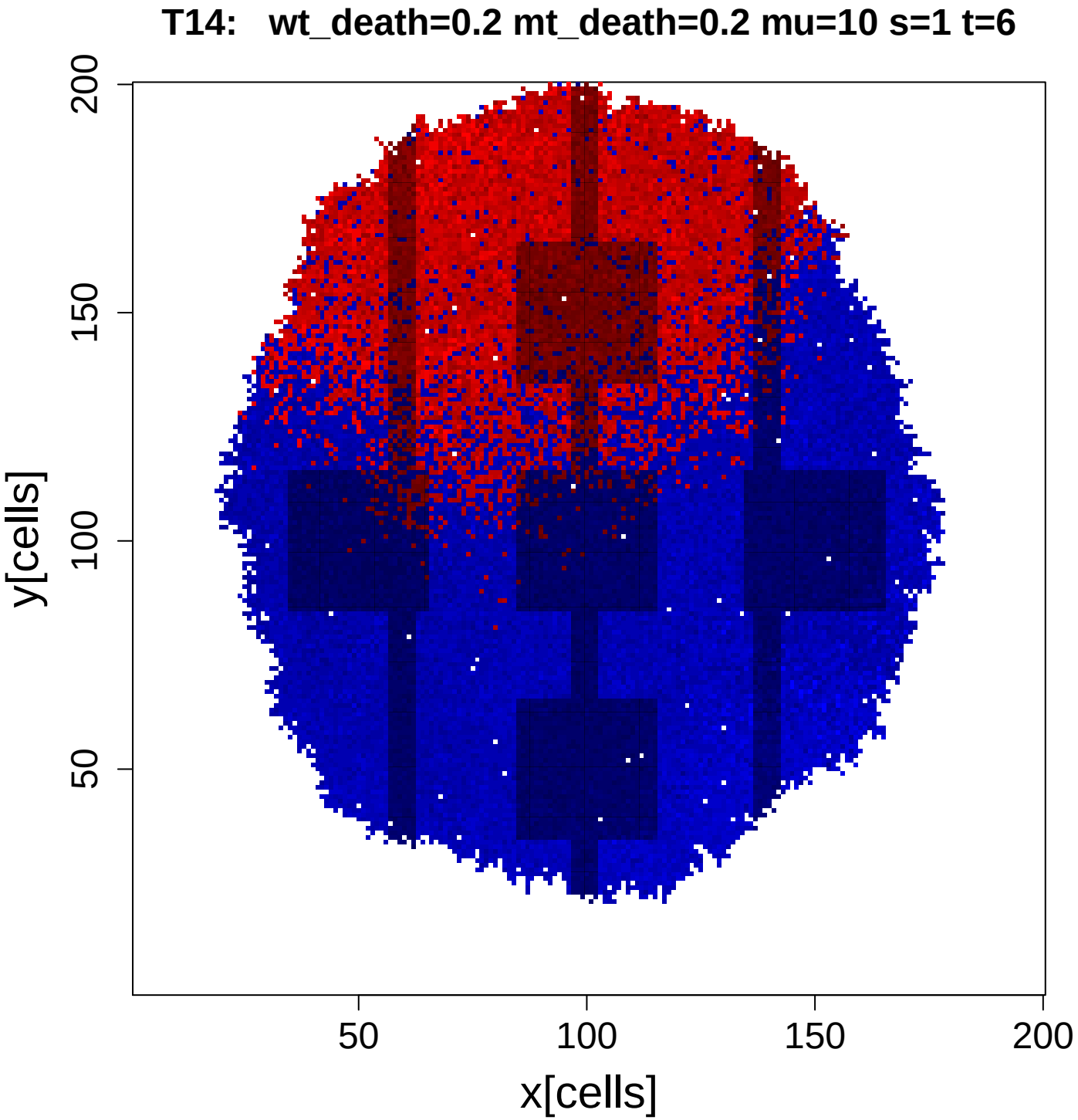
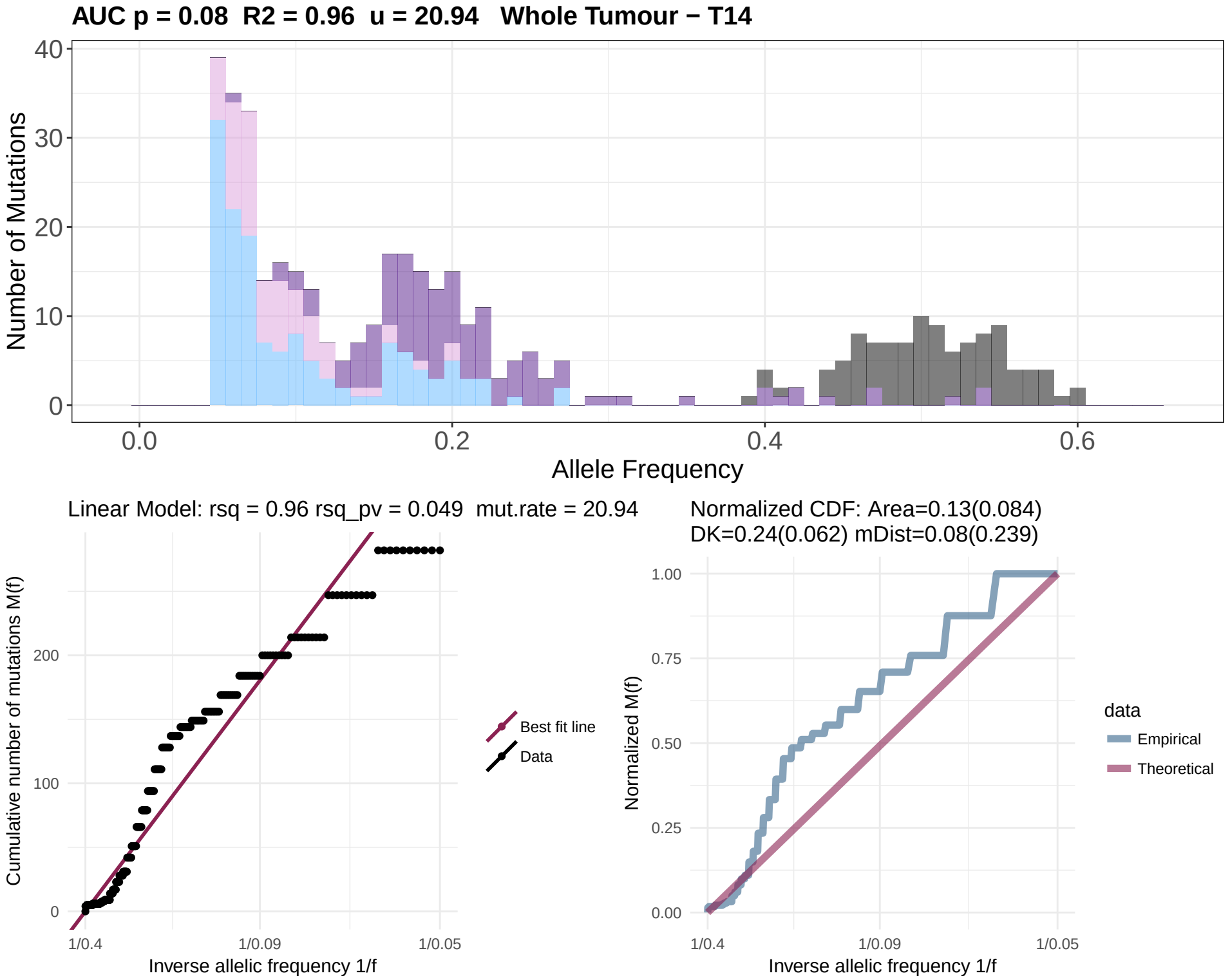
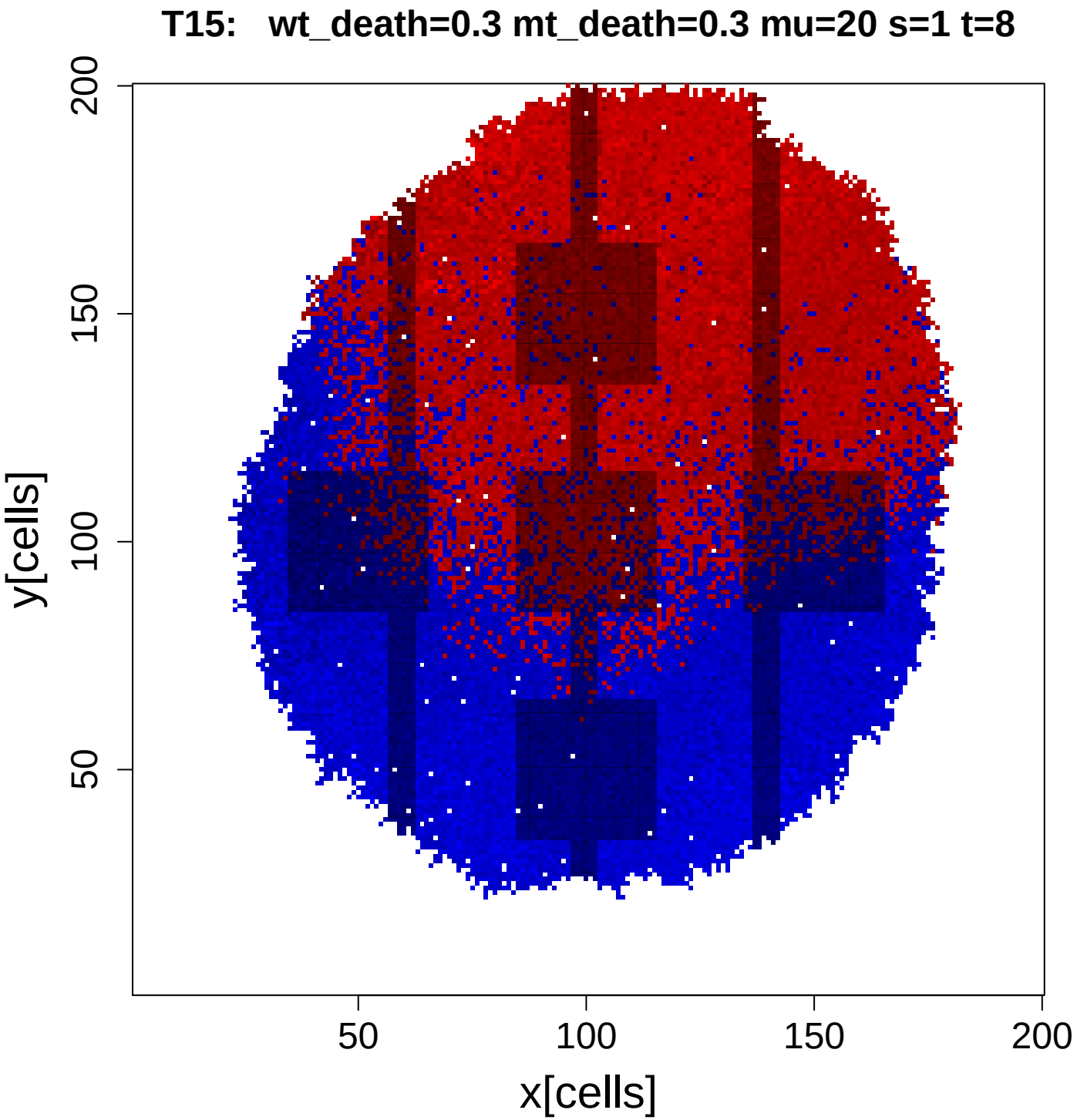
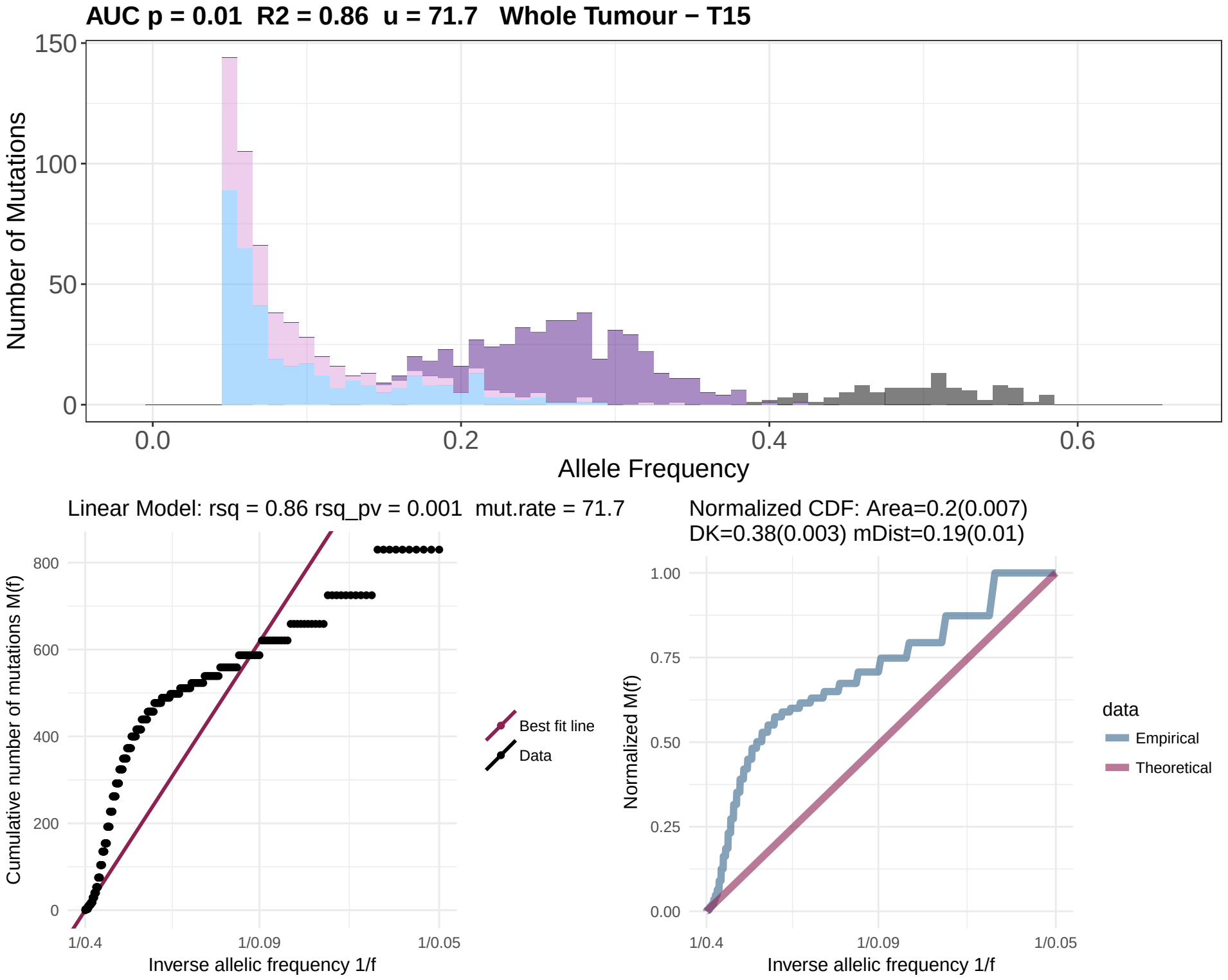
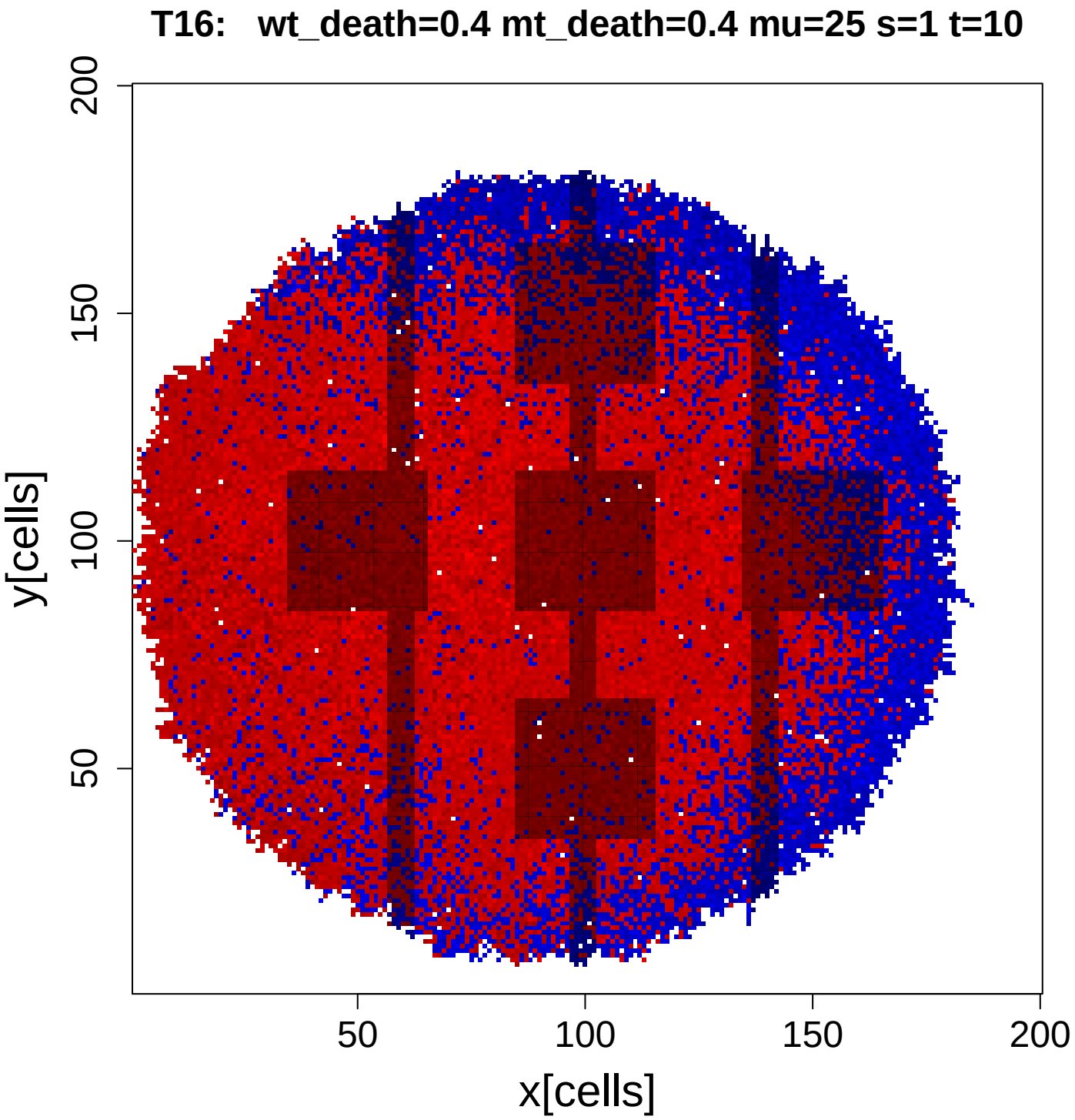
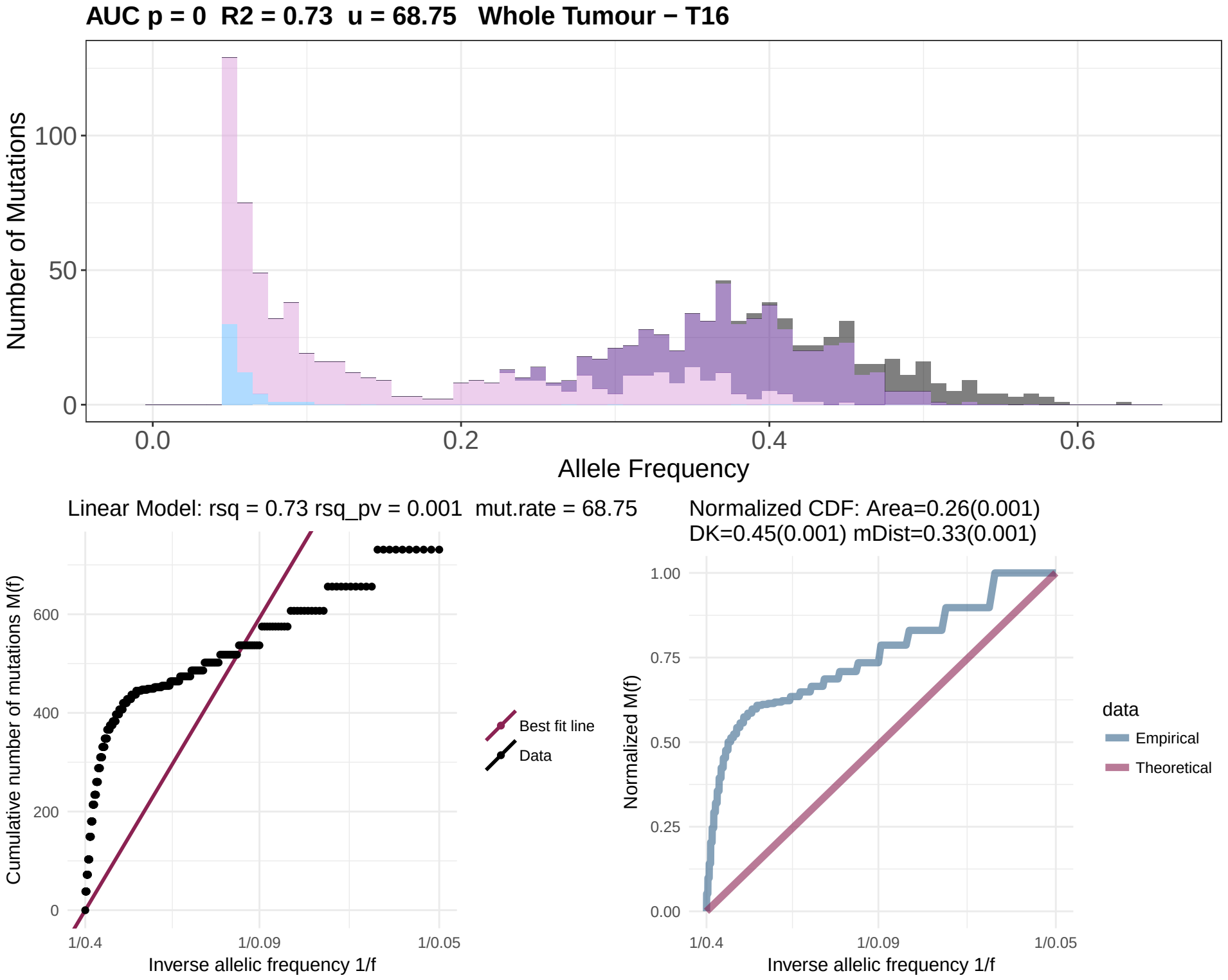

T14: wt_death=0.2 mt_death=0.2 mu=10 s=1 t=6
y[cells]
x[cells]
50
100
150
200

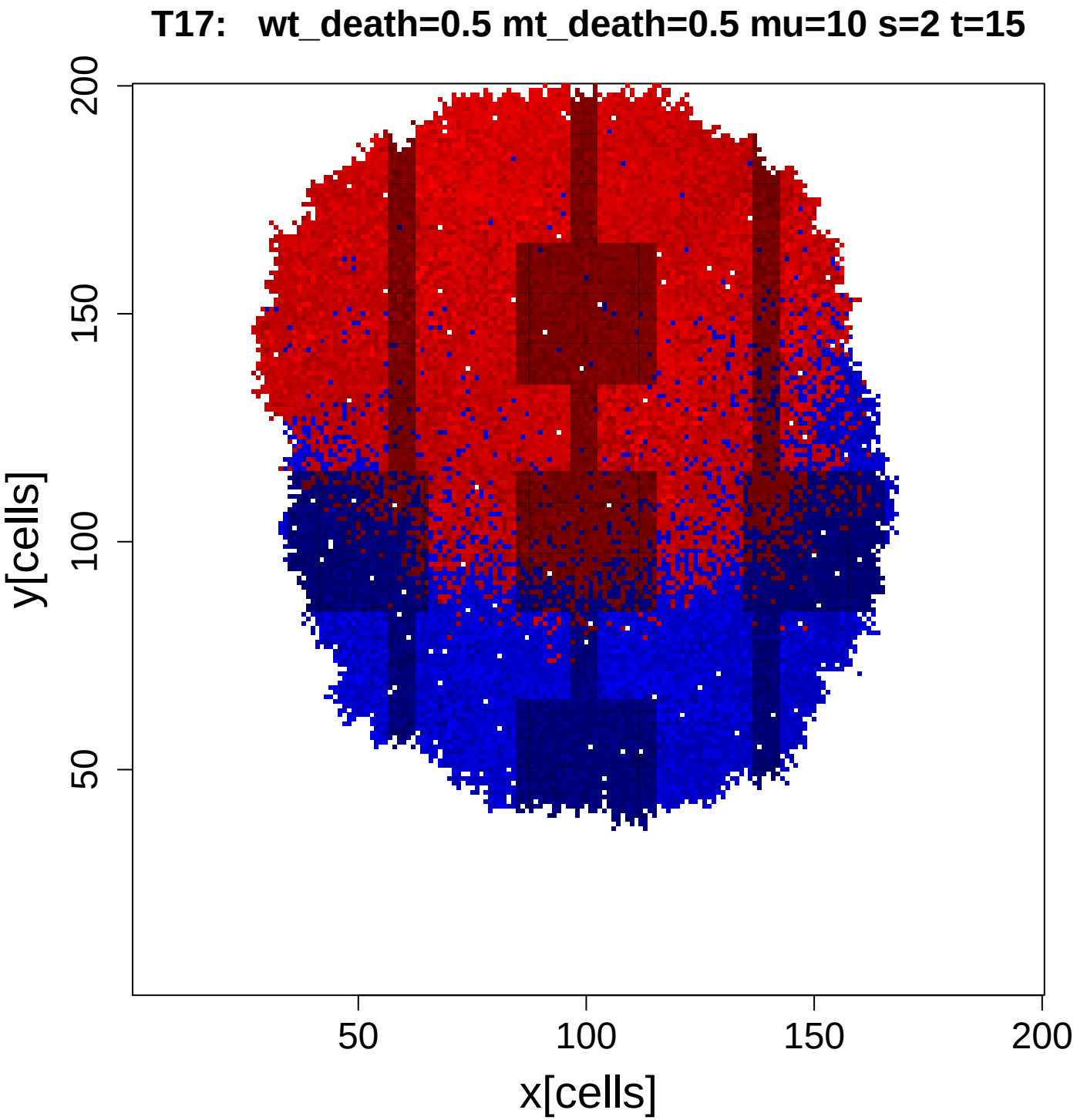

AUC p = 0.08 R2 = 0.96 u = 20.94 Whole Tumour − T14
Number of Mutations
Allele Frequency
Linear Model: rsq = 0.96 rsq_pv = 0.049 mut.rate = 20.94
Cumulative number of mutations M(f)
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.13(0.084)
DK=0.24(0.062) mDist=0.08(0.239)
Normalized M(f)
Inverse allelic frequency 1/f
data
Empirical
Theoretical

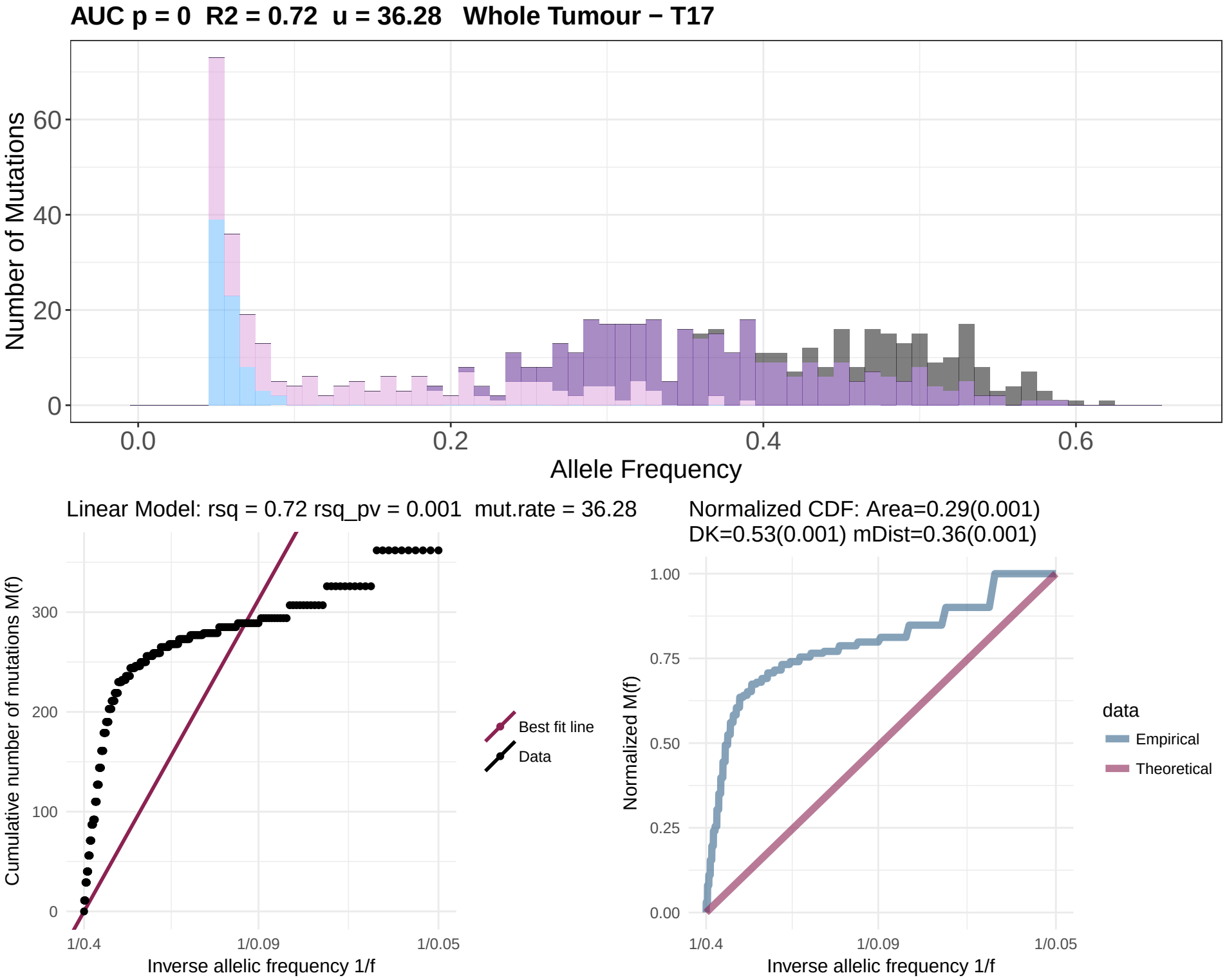

T15: wt_death=0.3 mt_death=0.3 mu=20 s=1 t=8
y[cells]
x[cells]
50
100
150
200

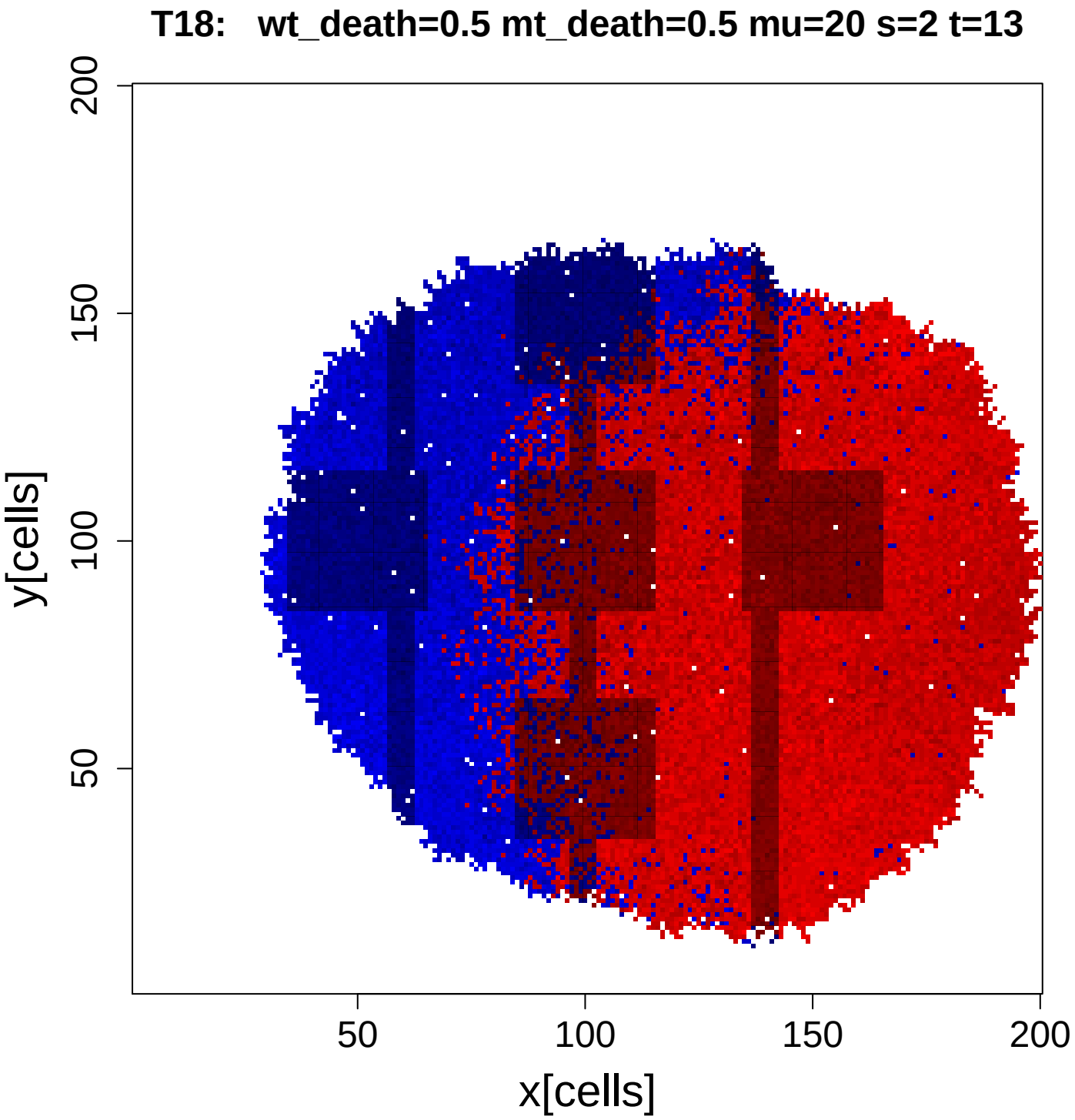

AUC p = 0.01 R2 = 0.86 u = 71.7 Whole Tumour − T15
Number of Mutations
150
100
50
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.86 rsq_pv = 0.001 mut.rate = 71.7
Cumulative number of mutations M(f)
800
600
400
200
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.2(0.007)
DK=0.38(0.003) mDist=0.19(0.01)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical

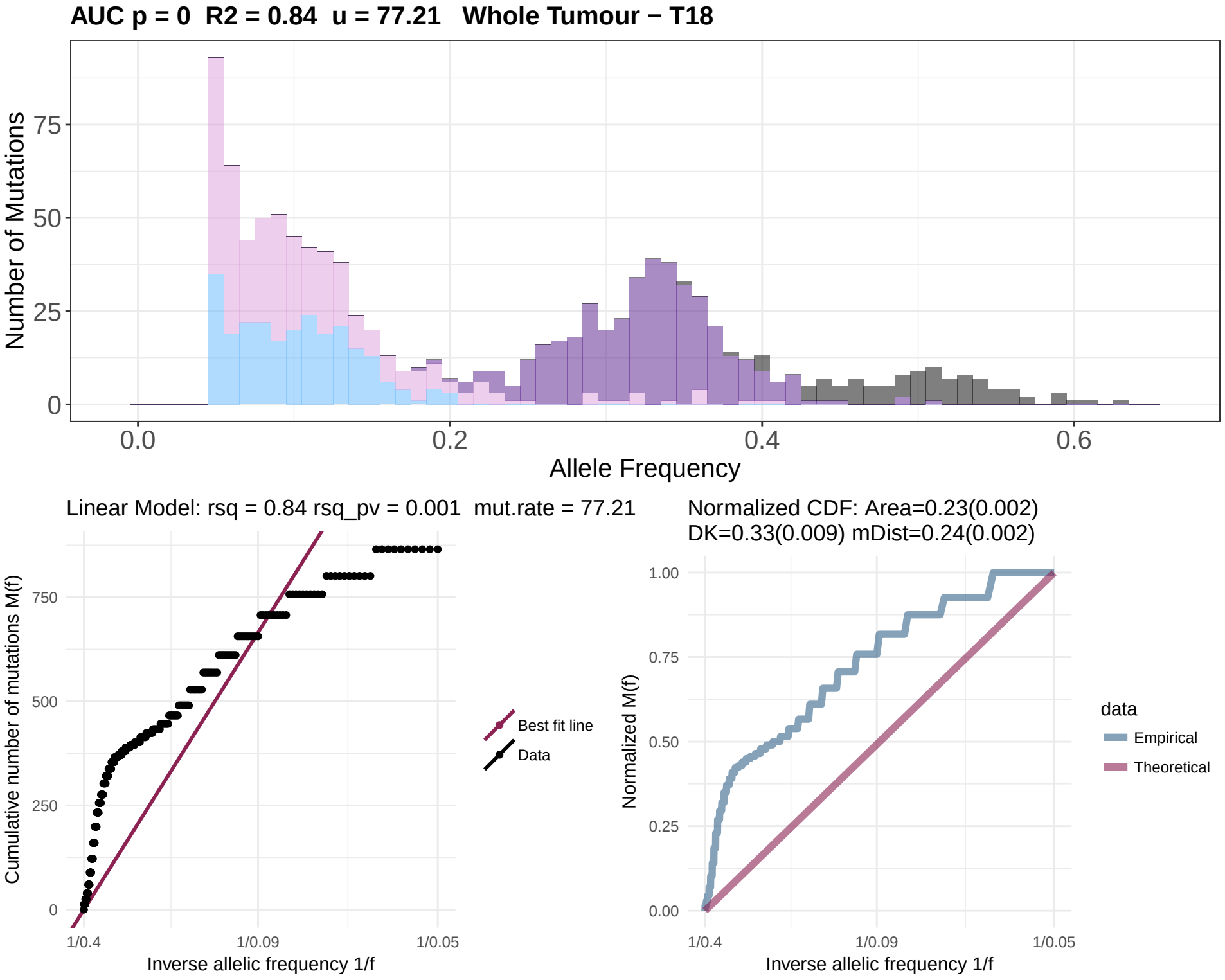

T16: wt_death=0.4 mt_death=0.4 mu=25 s=1 t=10
y[cells]
x[cells]
50
100
150
200

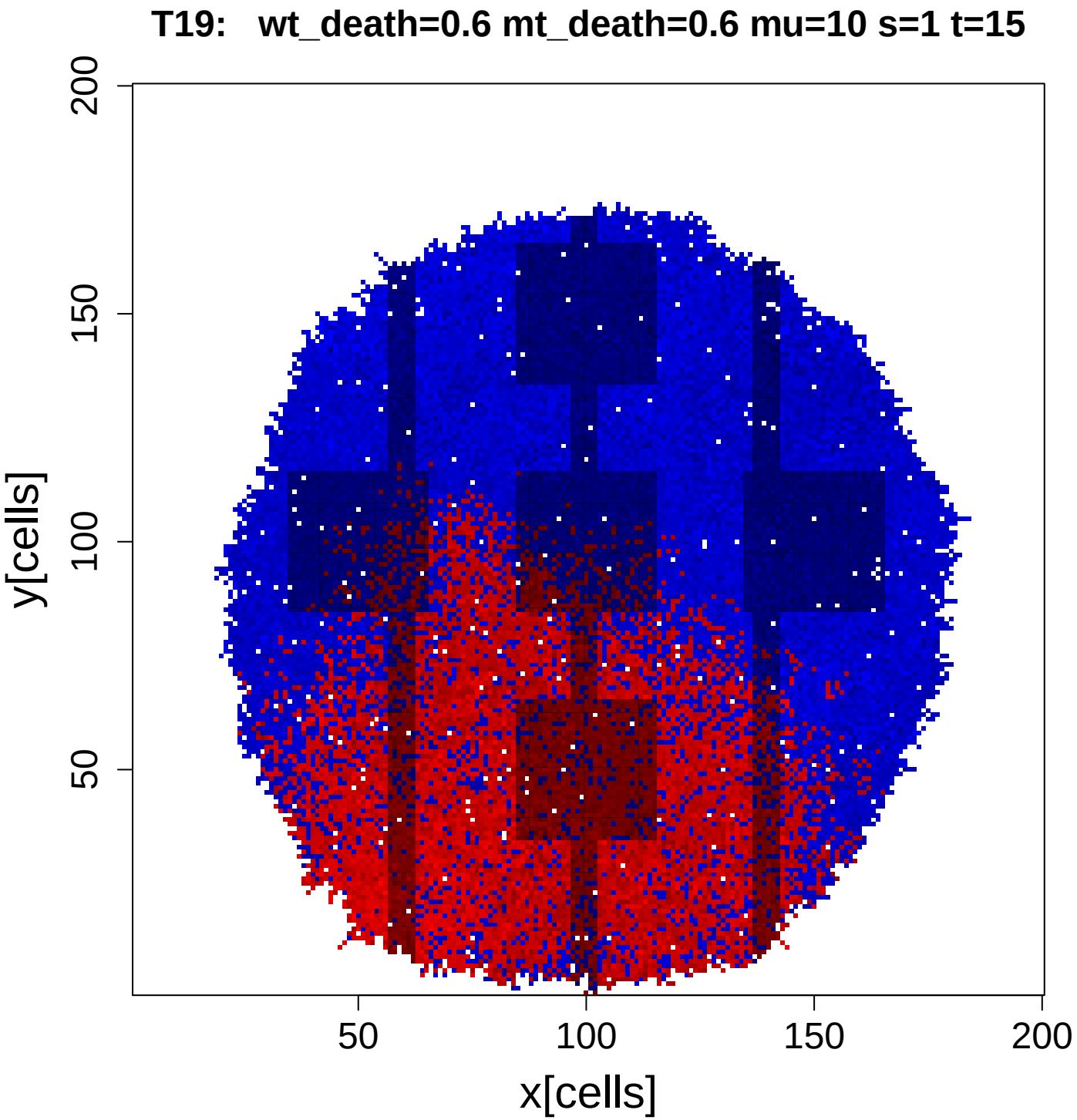

AUC p = 0 R2 = 0.73 u = 68.75 Whole Tumour − T16
Number of Mutations
100
50
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.73 rsq_pv = 0.001 mut.rate = 68.75
Cumulative number of mutations M(f)
600
400
200
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.26(0.001)
DK=0.45(0.001) mDist=0.33(0.001)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical

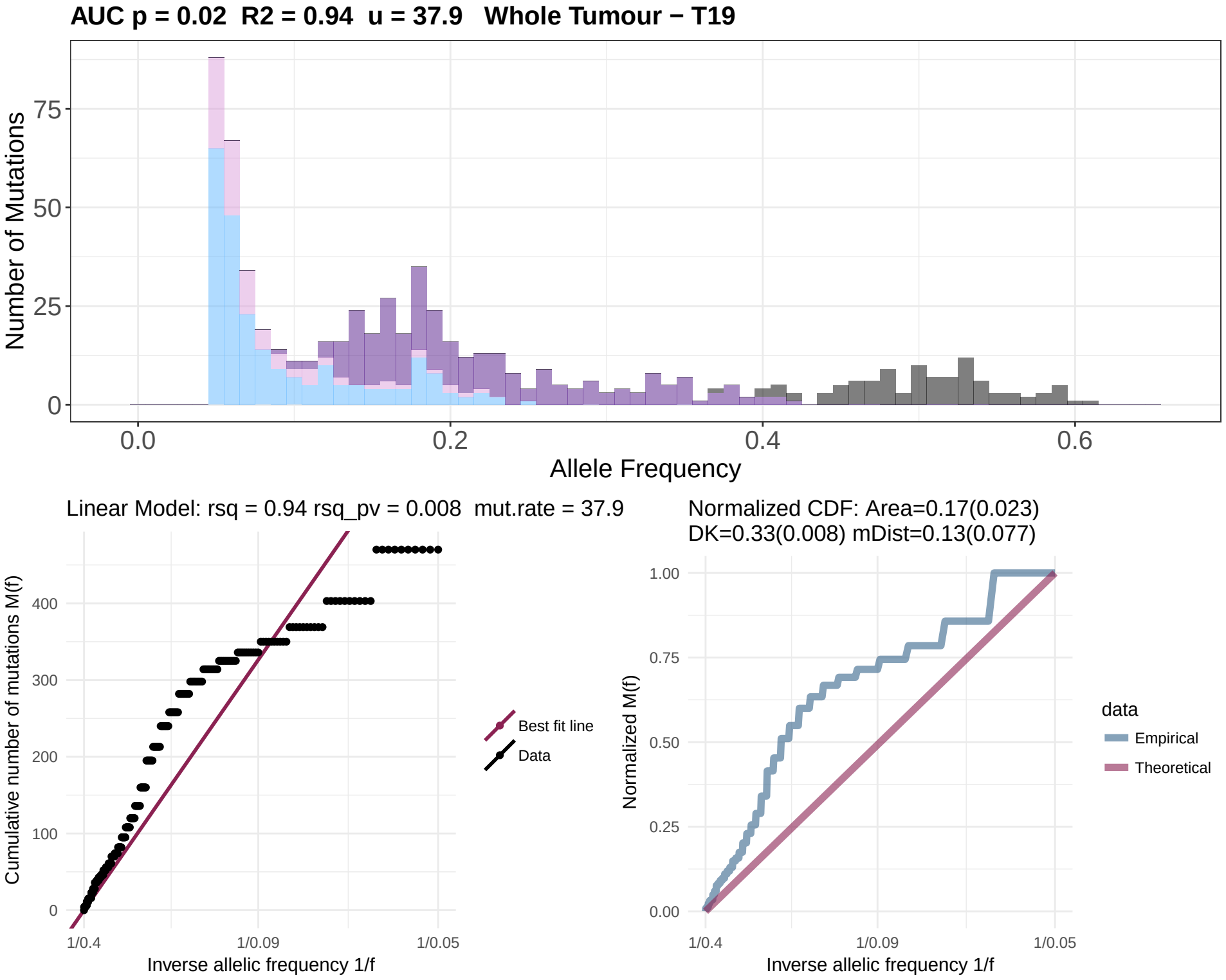

T17: wt_death=0.5 mt_death=0.5 mu=10 s=2 t=15
y[cells]
x[cells]
50
100
150
200

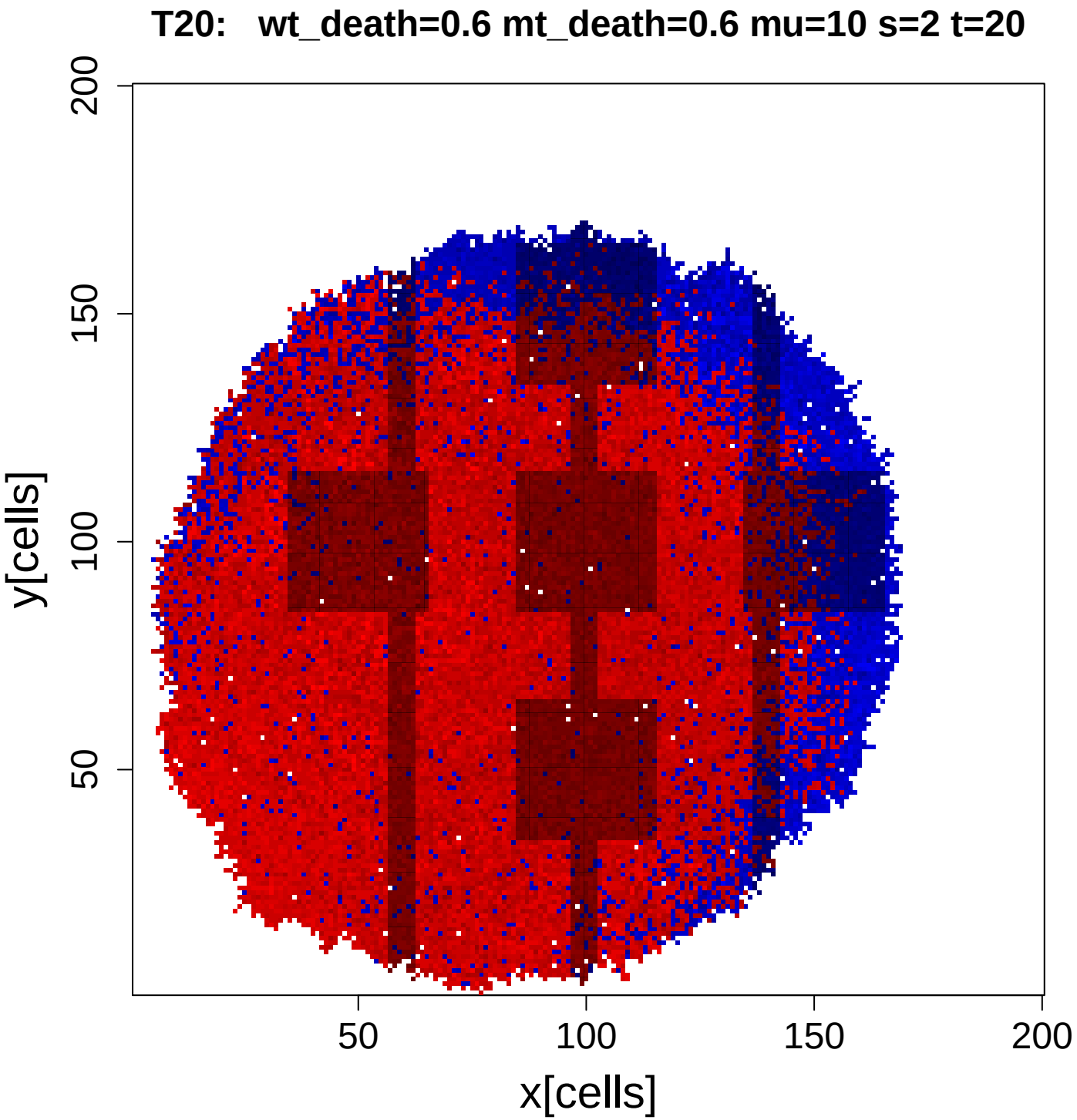

AUC p = 0 R2 = 0.72 u = 36.28 Whole Tumour − T17
Number of Mutations
0
20
40
60
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.72 rsq_pv = 0.001 mut.rate = 36.28
Cumulative number of mutations M(f)
0
100
200
300
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.29(0.001)
DK=0.53(0.001) mDist=0.36(0.001)
Normalized M(f)
0.00
0.25
0.50
0.75
1.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical

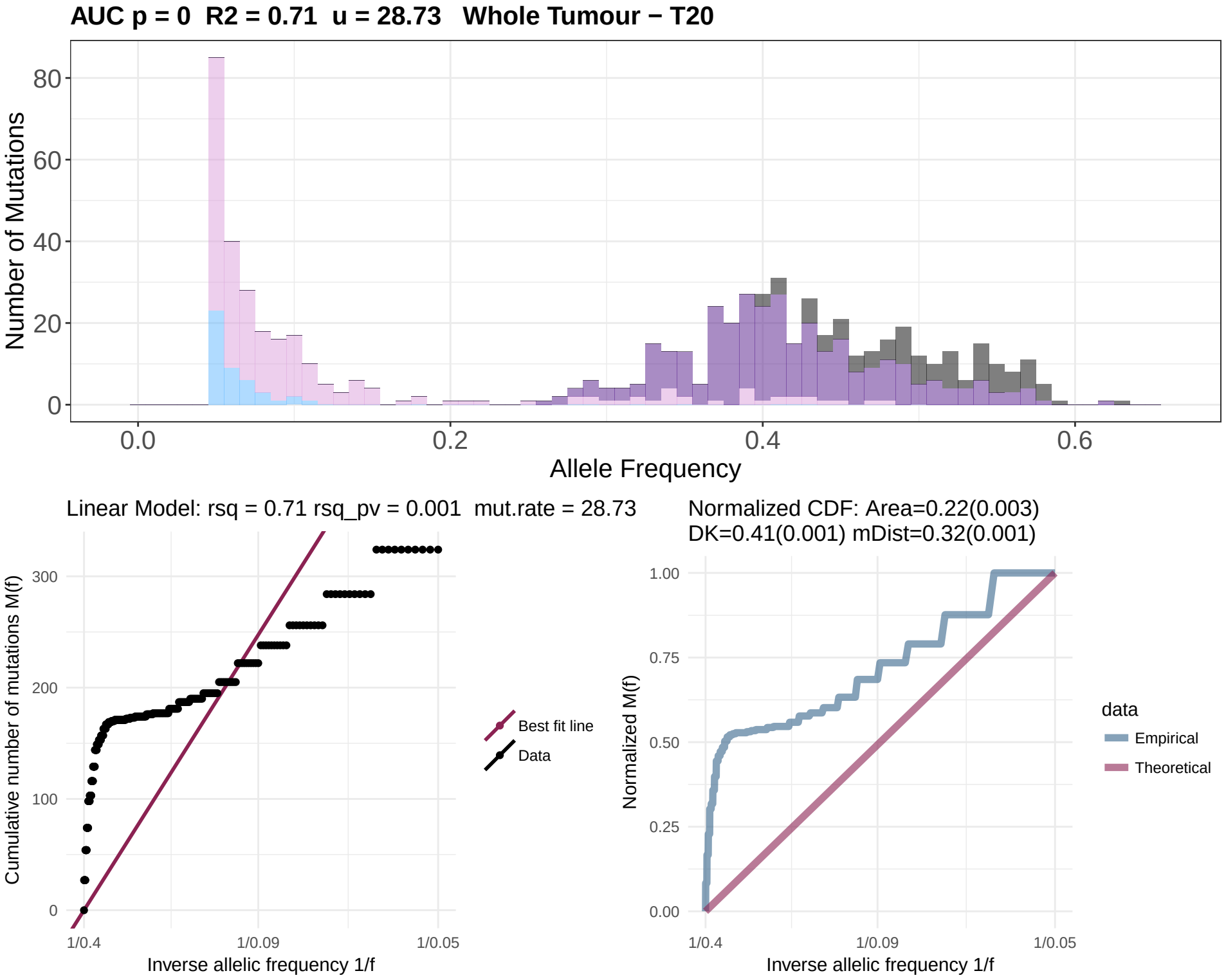

T18: wt_death=0.5 mt_death=0.5 mu=20 s=2 t=13
y[cells]
x[cells]
50
100
150
200

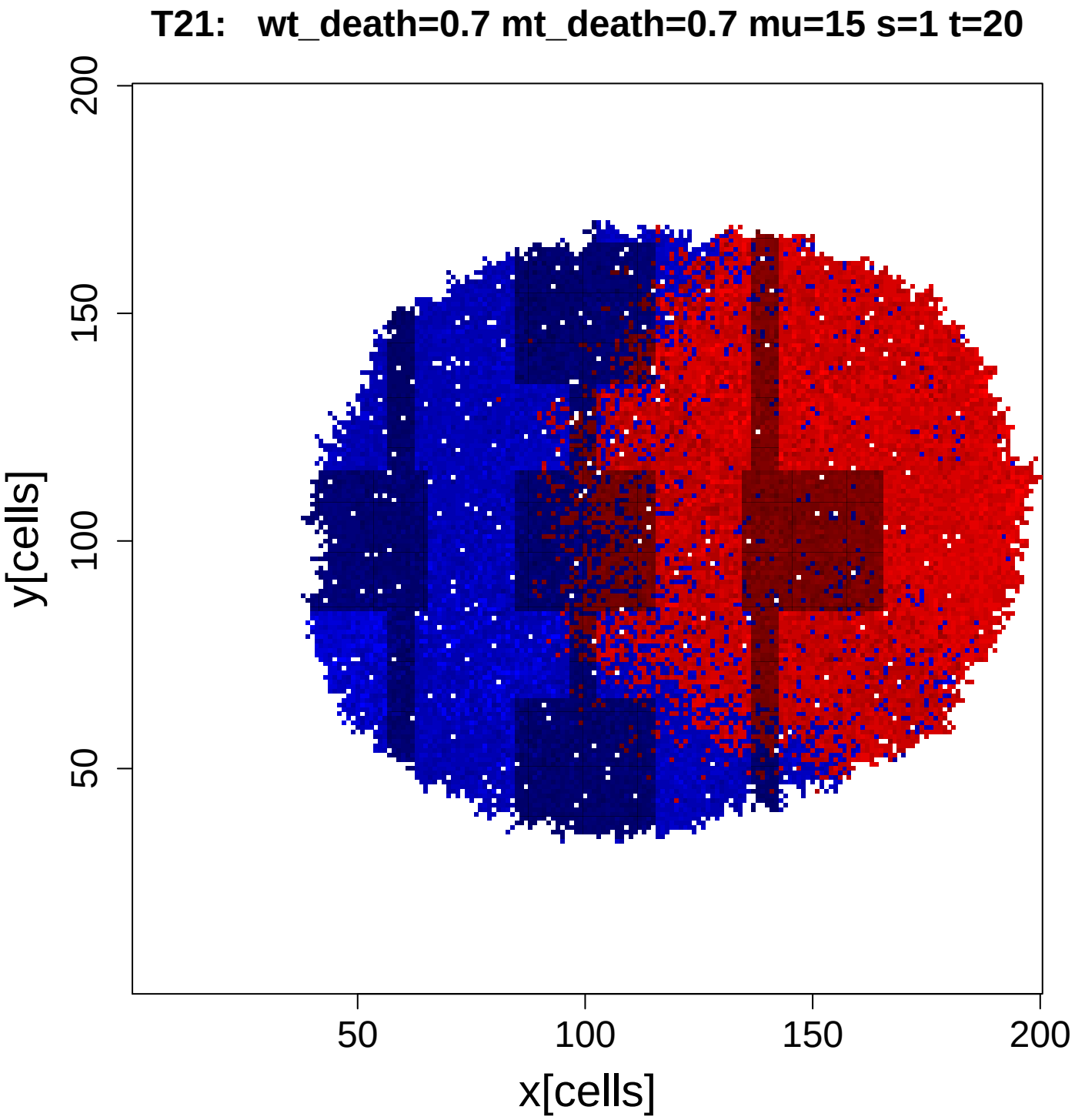

AUC p = 0 R2 = 0.84 u = 77.21 Whole Tumour − T18
Number of Mutations
75
50
25
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.84 rsq_pv = 0.001 mut.rate = 77.21
Cumulative number of mutations M(f)
750
500
250
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.23(0.002)
DK=0.33(0.009) mDist=0.24(0.002)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical

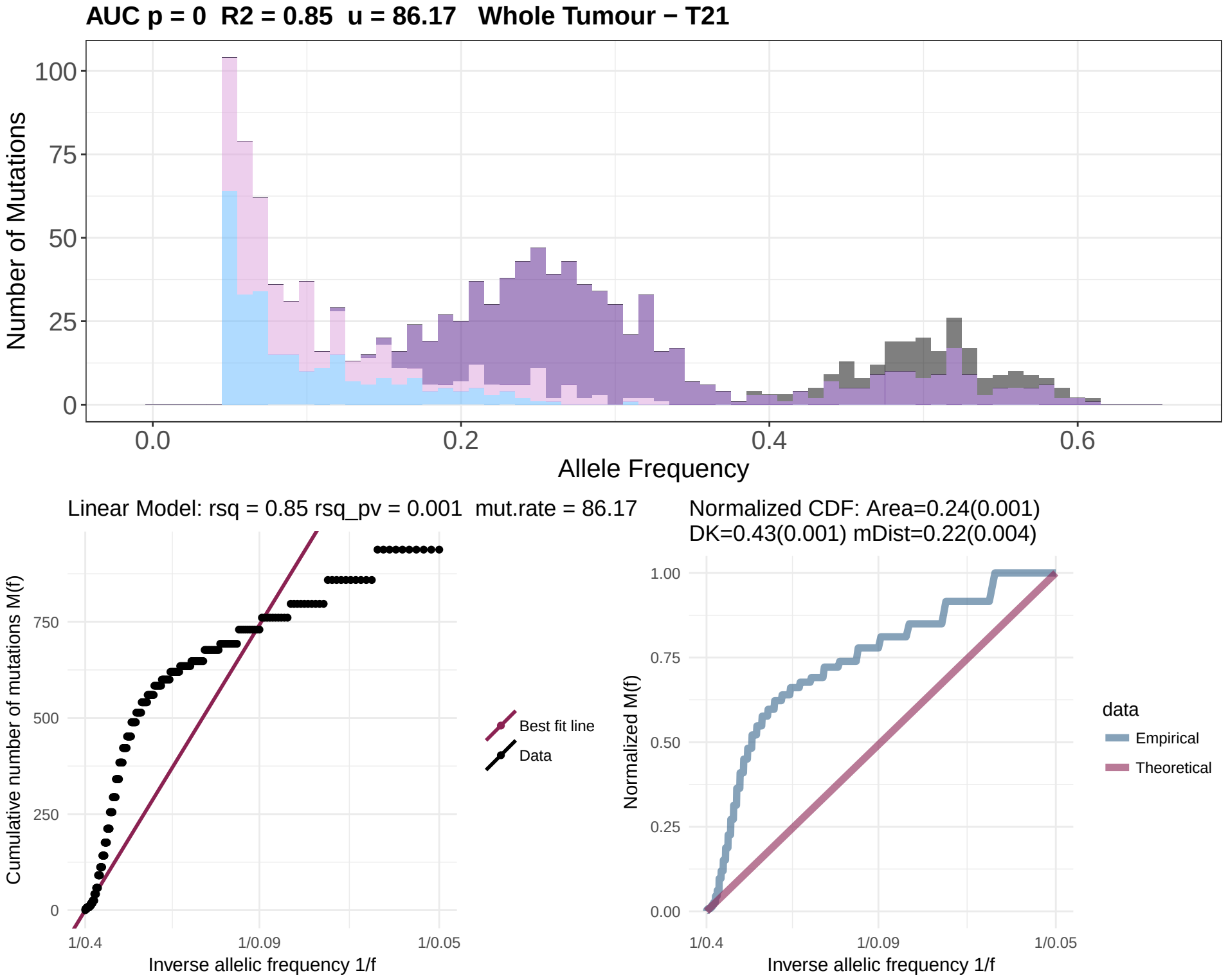

T19: wt_death=0.6 mt_death=0.6 mu=10 s=1 t=15
y[cells]
x[cells]
50
100
150
200

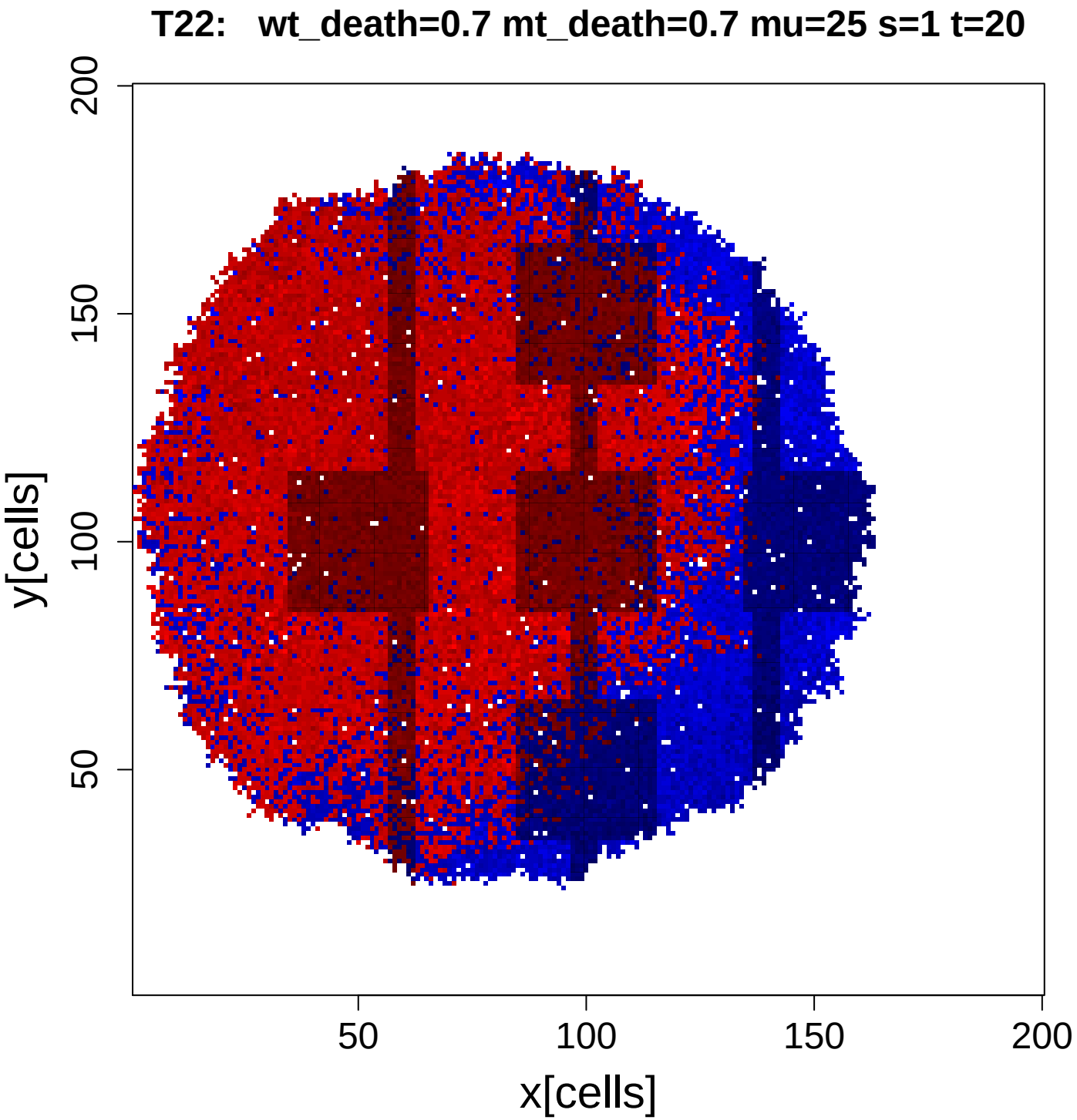

AUC p = 0.02 R2 = 0.94 u = 37.9 Whole Tumour − T19
Number of Mutations
75
50
25
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.94 rsq_pv = 0.008 mut.rate = 37.9
Cumulative number of mutations M(f)
400
300
200
100
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.17(0.023)
DK=0.33(0.008) mDist=0.13(0.077)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical

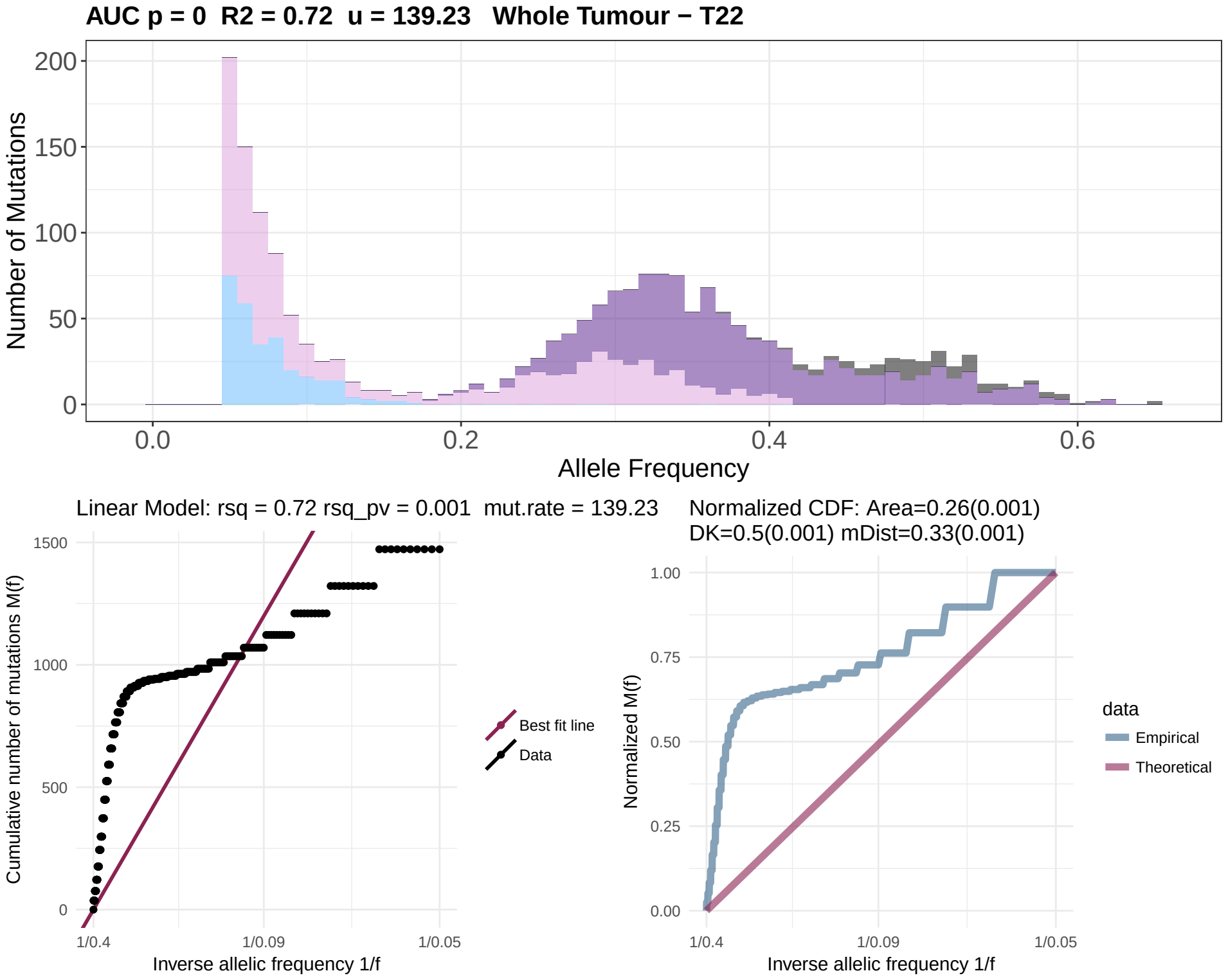

T20: wt_death=0.6 mt_death=0.6 mu=10 s=2 t=20
y[cells]
x[cells]
50
100
150
200

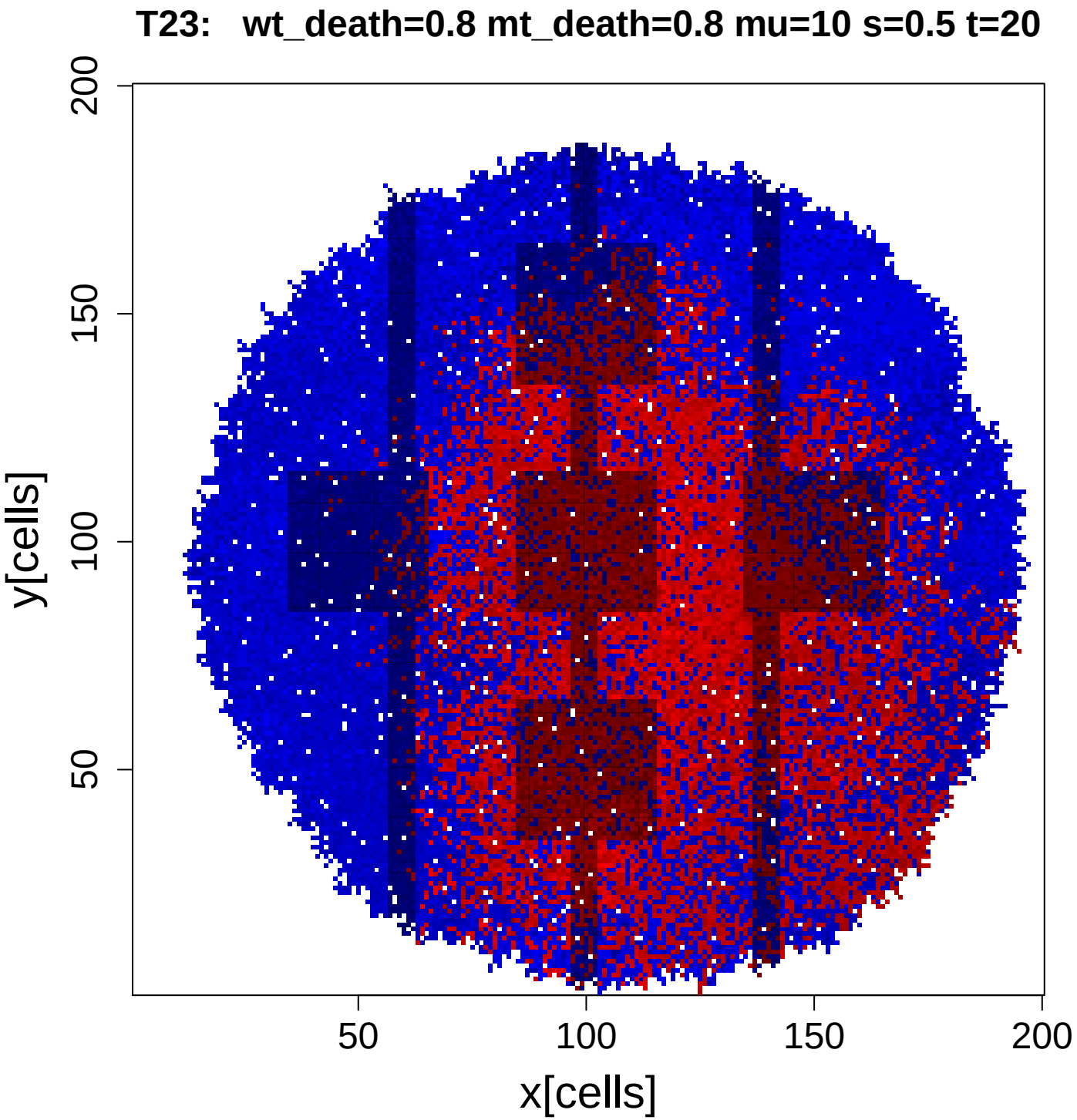

AUC p = 0 R2 = 0.71 u = 28.73 Whole Tumour − T20
Number of Mutations
Allele Frequency
Linear Model: rsq = 0.71 rsq_pv = 0.001 mut.rate = 28.73
Cumulative number of mutations M(f)
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.22(0.003)
DK=0.41(0.001) mDist=0.32(0.001)
Normalized M(f)
Inverse allelic frequency 1/f
data
Empirical
Theoretical

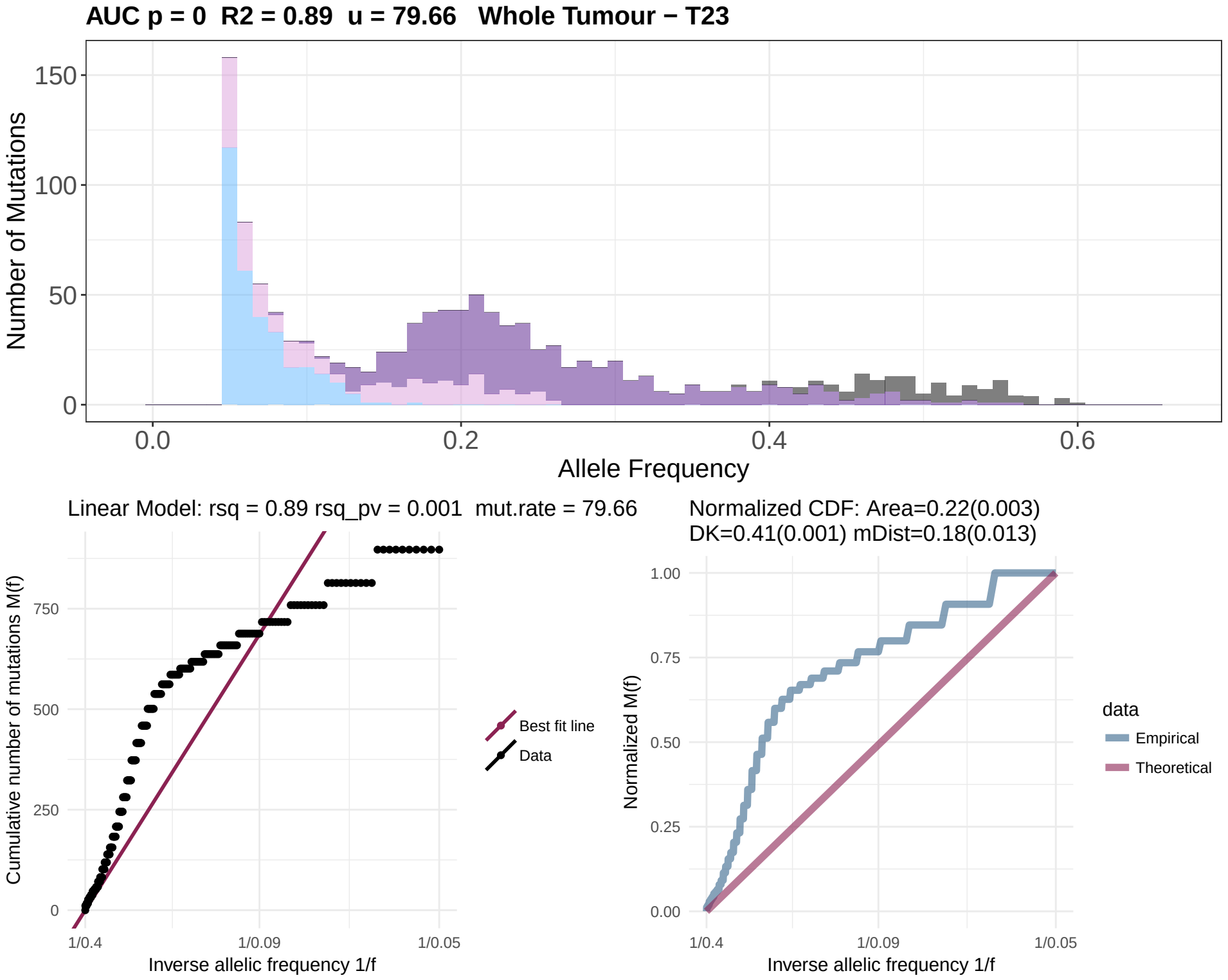

T21: wt_death=0.7 mt_death=0.7 mu=15 s=1 t=20
y[cells]
x[cells]
50
100
150
200

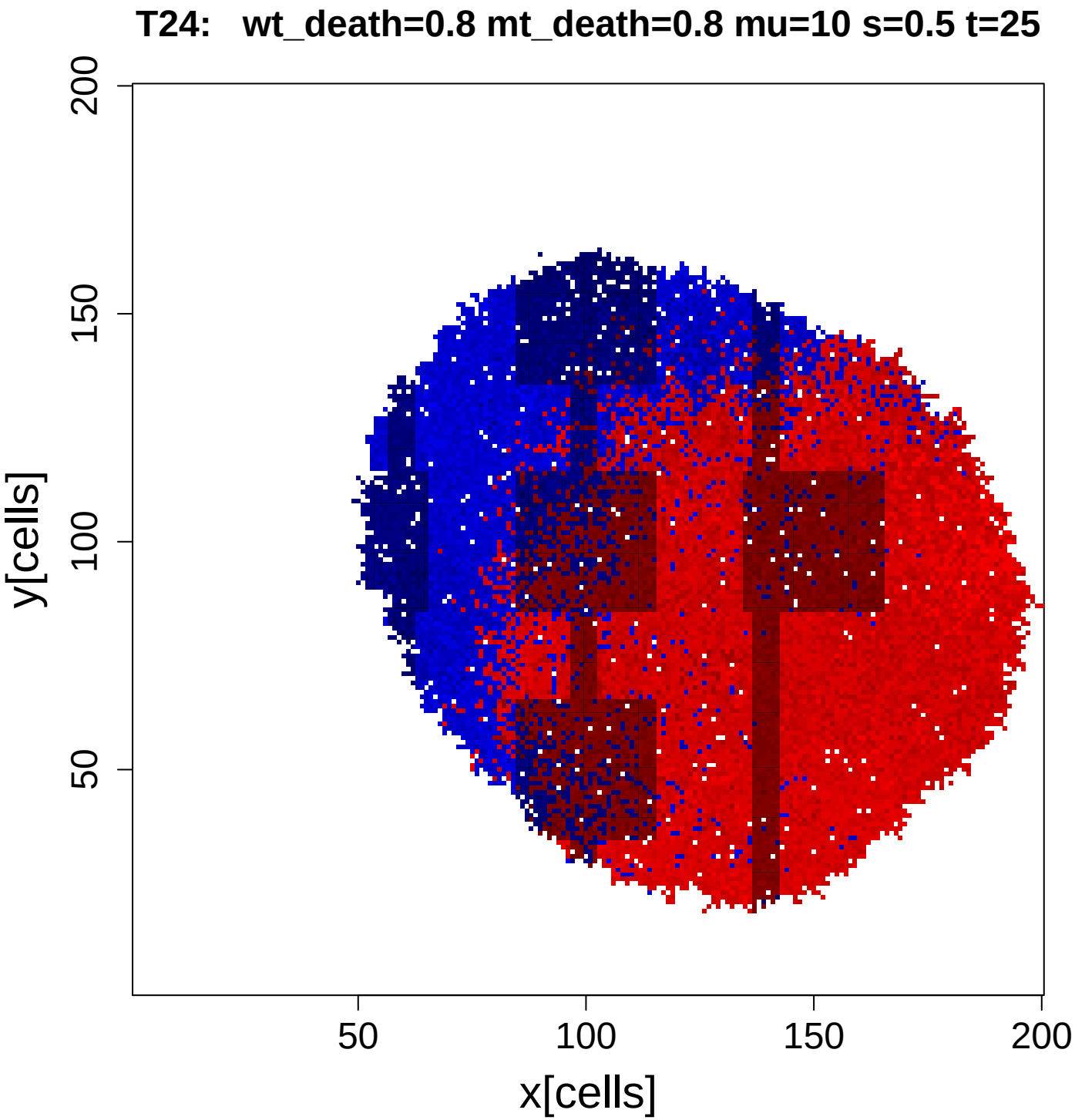

AUC p = 0 R2 = 0.85 u = 86.17 Whole Tumour − T21
Number of Mutations
100
75
50
25
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.85 rsq_pv = 0.001 mut.rate = 86.17
Cumulative number of mutations M(f)
750
500
250
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.24(0.001)
DK=0.43(0.001) mDist=0.22(0.004)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical

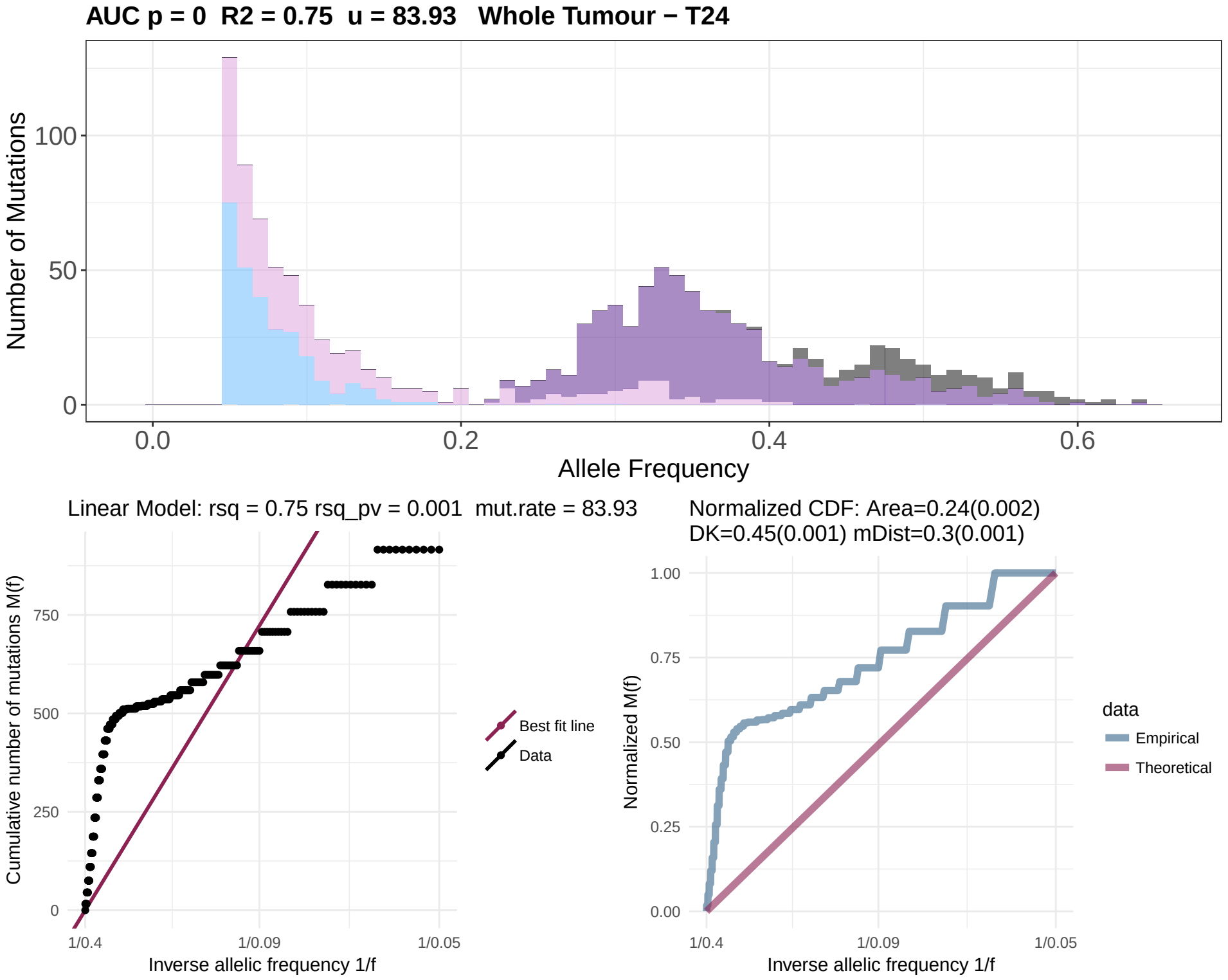

T22: wt_death=0.7 mt_death=0.7 mu=25 s=1 t=20
y[cells]
x[cells]
50
100
150
200


AUC p = 0 R2 = 0.72 u = 139.23 Whole Tumour − T22
Number of Mutations
200
150
100
50
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.72 rsq_pv = 0.001 mut.rate = 139.23
Cumulative number of mutations M(f)
1500
1000
500
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.26(0.001)
DK=0.5(0.001) mDist=0.33(0.001)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical


T23: wt_death=0.8 mt_death=0.8 mu=10 s=0.5 t=20
y[cells]
x[cells]
50
100
150
200


AUC p = 0 R2 = 0.89 u = 79.66 Whole Tumour − T23
Number of Mutations
150
100
50
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.89 rsq_pv = 0.001 mut.rate = 79.66
Cumulative number of mutations M(f)
750
500
250
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.22(0.003)
DK=0.41(0.001) mDist=0.18(0.013)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical


T24: wt_death=0.8 mt_death=0.8 mu=10 s=0.5 t=25
y[cells]
x[cells]
50
100
150
200


AUC p = 0 R2 = 0.75 u = 83.93 Whole Tumour − T24
Number of Mutations
100
50
0
0.0
0.2
0.4
0.6
Allele Frequency
Linear Model: rsq = 0.75 rsq_pv = 0.001 mut.rate = 83.93
Cumulative number of mutations M(f)
750
500
250
0
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
Best fit line
Data
Normalized CDF: Area=0.24(0.002)
DK=0.45(0.001) mDist=0.3(0.001)
Normalized M(f)
1.00
0.75
0.50
0.25
0.00
1/0.4
1/0.09
1/0.05
Inverse allelic frequency 1/f
data
Empirical
Theoretical