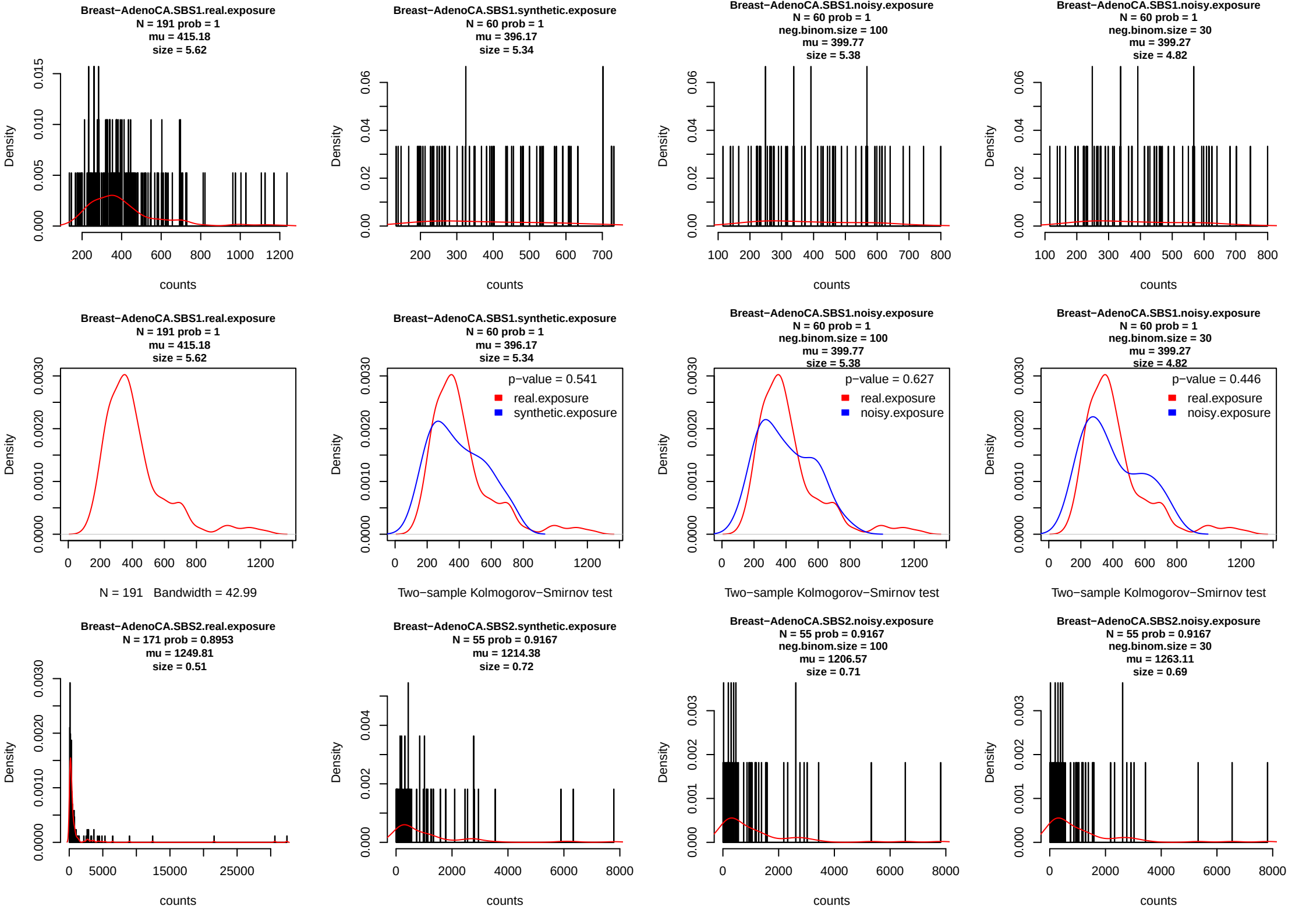
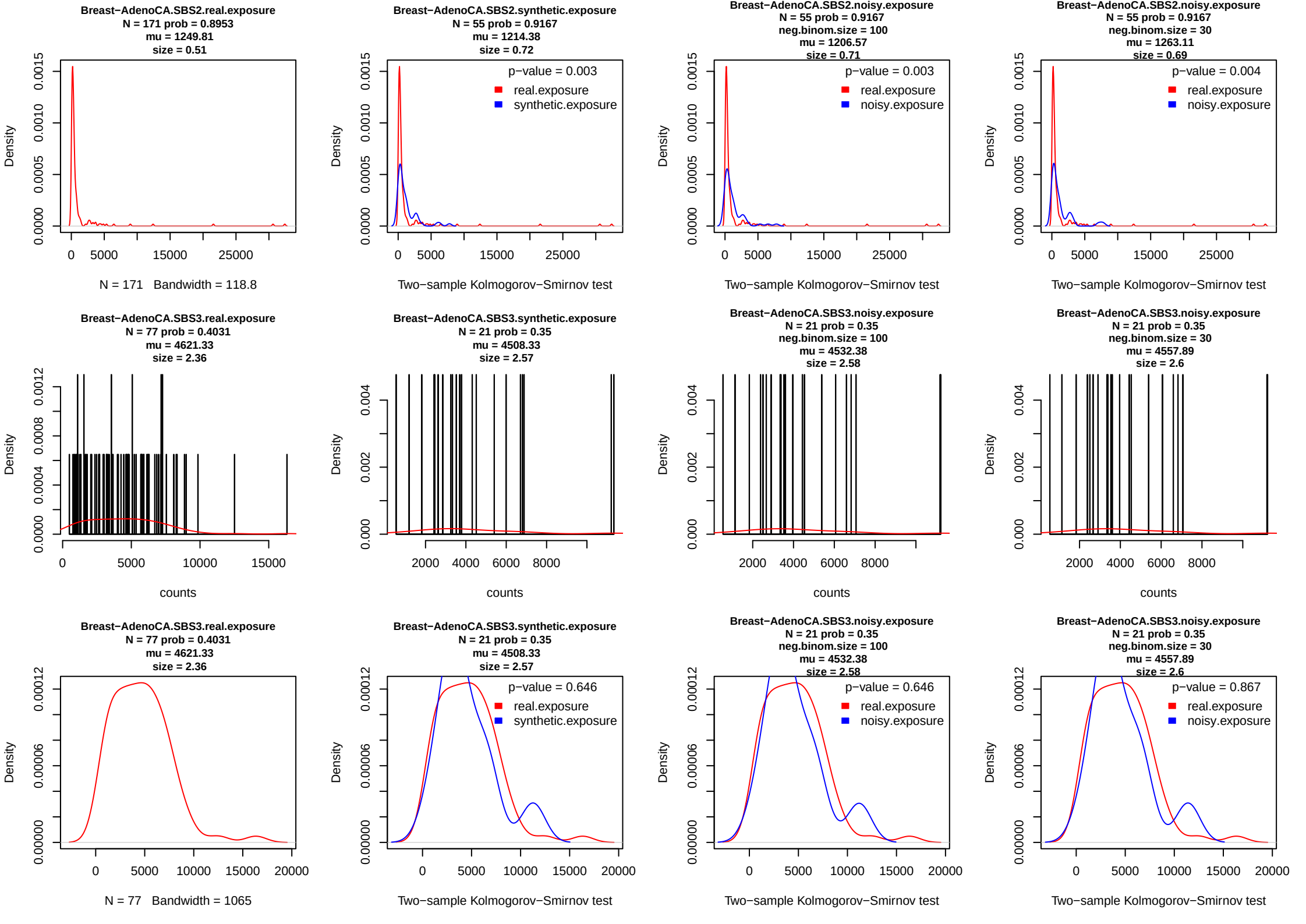
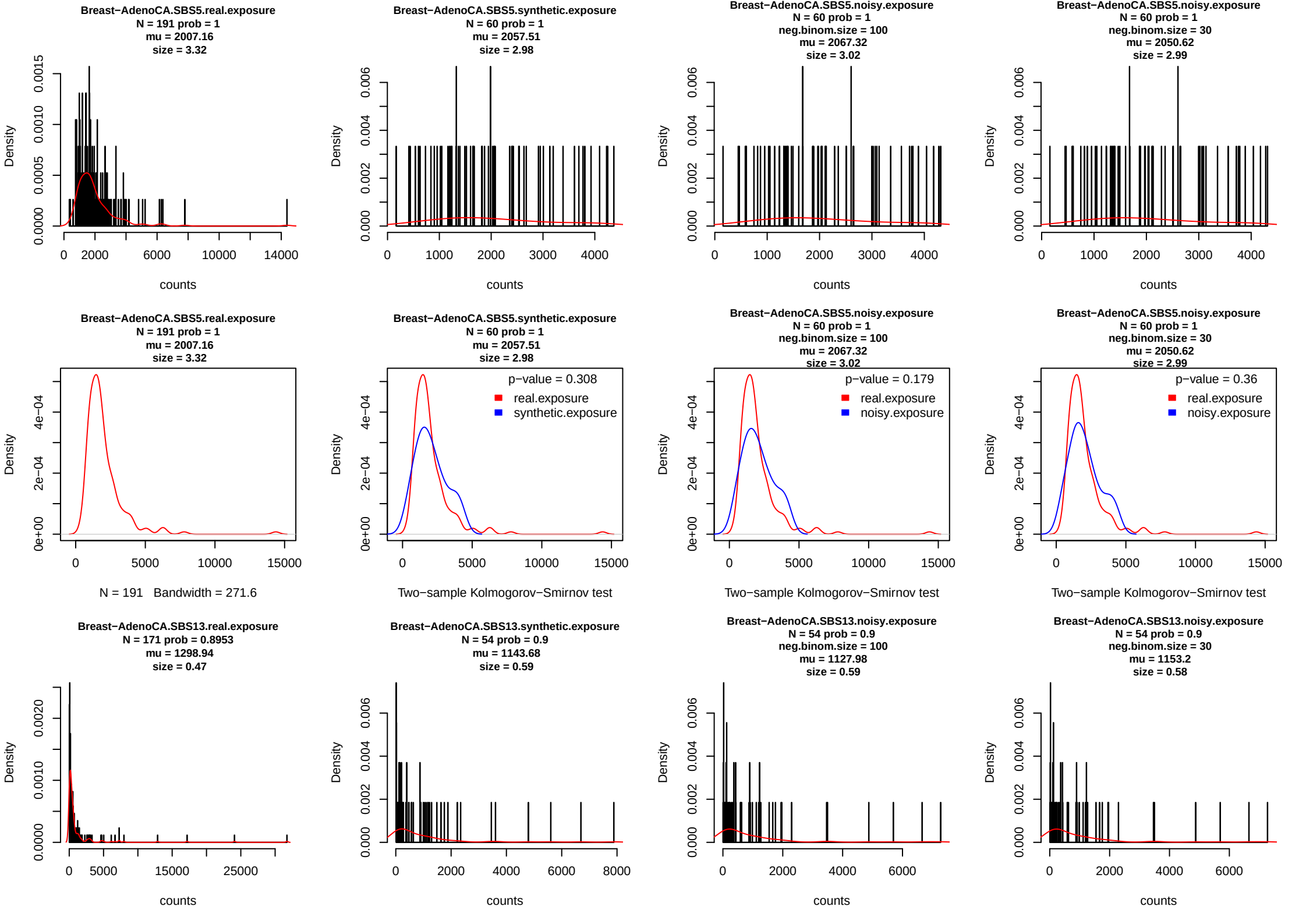
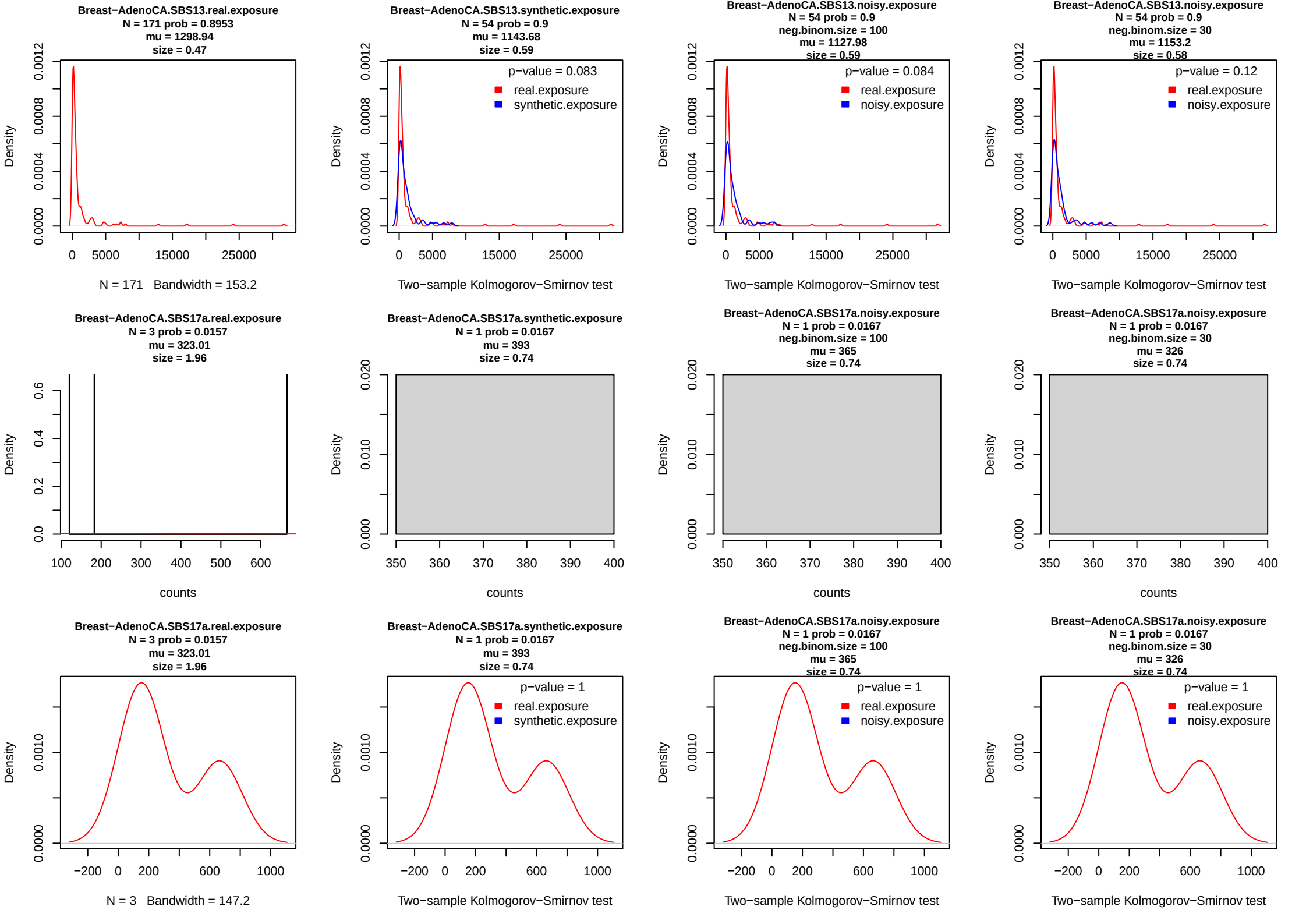
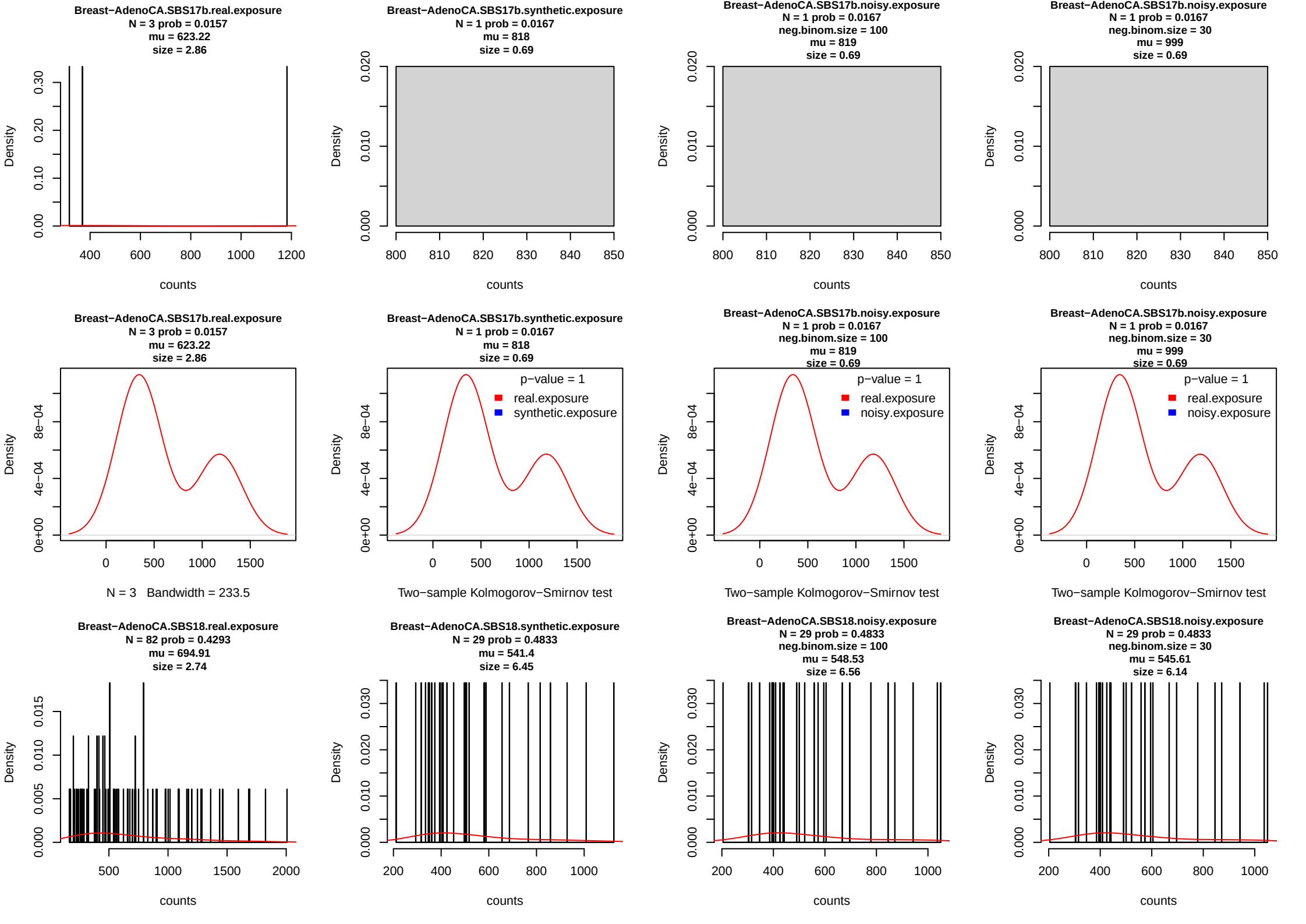
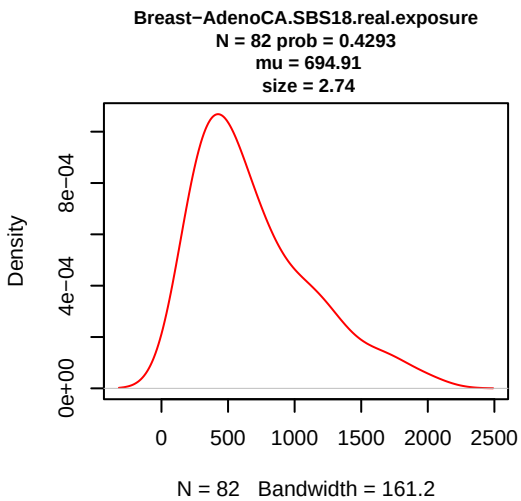

Breast−AdenoCA.SBS1.real.exposure
N = 191 prob = 1
mu = 415.18
size = 5.62
Breast−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 396.17
size = 5.34
Breast−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 399.77
size = 5.38
Breast−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 399.27
size = 4.82
Density
counts
Breast−AdenoCA.SBS1.real.exposure
N = 191 prob = 1
mu = 415.18
size = 5.62
N = 191 Bandwidth = 42.99
Breast−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 396.17
size = 5.34
p−value = 0.541
real.exposure
synthetic.exposure
Breast−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 399.77
size = 5.38
p−value = 0.627
real.exposure
noisy.exposure
Breast−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 399.27
size = 4.82
p−value = 0.446
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS2.real.exposure
N = 171 prob = 0.8953
mu = 1249.81
size = 0.51
Breast−AdenoCA.SBS2.synthetic.exposure
N = 55 prob = 0.9167
mu = 1214.38
size = 0.72
Breast−AdenoCA.SBS2.noisy.exposure
N = 55 prob = 0.9167
neg.binom.size = 100
mu = 1206.57
size = 0.71
Breast−AdenoCA.SBS2.noisy.exposure
N = 55 prob = 0.9167
neg.binom.size = 30
mu = 1263.11
size = 0.69

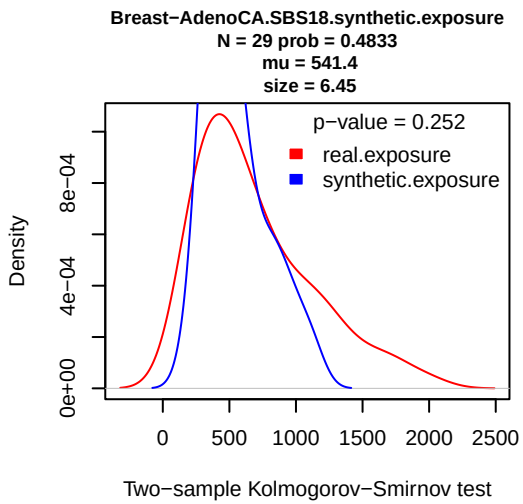

Breast−AdenoCA.SBS2.real.exposure
N = 171 prob = 0.8953
mu = 1249.81
size = 0.51
Density
N = 171 Bandwidth = 118.8
Breast−AdenoCA.SBS2.synthetic.exposure
N = 55 prob = 0.9167
mu = 1214.38
size = 0.72
p−value = 0.003
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS2.noisy.exposure
N = 55 prob = 0.9167
neg.binom.size = 100
mu = 1206.57
size = 0.71
p−value = 0.003
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS2.noisy.exposure
N = 55 prob = 0.9167
neg.binom.size = 30
mu = 1263.11
size = 0.69
p−value = 0.004
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS3.real.exposure
N = 77 prob = 0.4031
mu = 4621.33
size = 2.36
counts
Breast−AdenoCA.SBS3.synthetic.exposure
N = 21 prob = 0.35
mu = 4508.33
size = 2.57
counts
Breast−AdenoCA.SBS3.noisy.exposure
N = 21 prob = 0.35
neg.binom.size = 100
mu = 4532.38
size = 2.58
counts
Breast−AdenoCA.SBS3.noisy.exposure
N = 21 prob = 0.35
neg.binom.size = 30
mu = 4557.89
size = 2.6
counts
Breast−AdenoCA.SBS3.real.exposure
N = 77 prob = 0.4031
mu = 4621.33
size = 2.36
N = 77 Bandwidth = 1065
Breast−AdenoCA.SBS3.synthetic.exposure
N = 21 prob = 0.35
mu = 4508.33
size = 2.57
p−value = 0.646
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS3.noisy.exposure
N = 21 prob = 0.35
neg.binom.size = 100
mu = 4532.38
size = 2.58
p−value = 0.646
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS3.noisy.exposure
N = 21 prob = 0.35
neg.binom.size = 30
mu = 4557.89
size = 2.6
p−value = 0.867
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

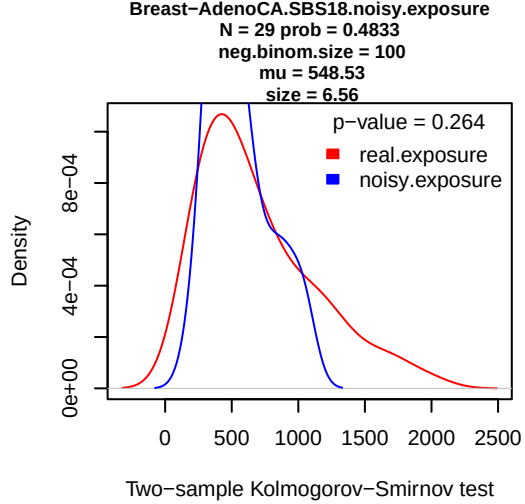

Breast−AdenoCA.SBS5.real.exposure
N = 191 prob = 1
mu = 2007.16
size = 3.32
Breast−AdenoCA.SBS5.synthetic.exposure
N = 60 prob = 1
mu = 2057.51
size = 2.98
Breast−AdenoCA.SBS5.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 2067.32
size = 3.02
Breast−AdenoCA.SBS5.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 2050.62
size = 2.99
Density
counts
N = 191 Bandwidth = 271.6
p−value = 0.308
real.exposure
synthetic.exposure
p−value = 0.179
noisy.exposure
p−value = 0.36
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS13.real.exposure
N = 171 prob = 0.8953
mu = 1298.94
size = 0.47
Breast−AdenoCA.SBS13.synthetic.exposure
N = 54 prob = 0.9
mu = 1143.68
size = 0.59
Breast−AdenoCA.SBS13.noisy.exposure
N = 54 prob = 0.9
neg.binom.size = 100
mu = 1127.98
size = 0.59
Breast−AdenoCA.SBS13.noisy.exposure
N = 54 prob = 0.9
neg.binom.size = 30
mu = 1153.2
size = 0.58

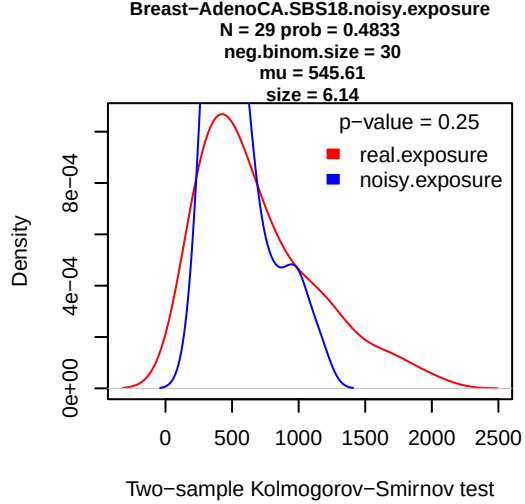

Breast−AdenoCA.SBS13.real.exposure
N = 171 prob = 0.8953
mu = 1298.94
size = 0.47
Density
N = 171 Bandwidth = 153.2
Breast−AdenoCA.SBS13.synthetic.exposure
N = 54 prob = 0.9
mu = 1143.68
size = 0.59
p−value = 0.083
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS13.noisy.exposure
N = 54 prob = 0.9
neg.binom.size = 100
mu = 1127.98
size = 0.59
p−value = 0.084
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS13.noisy.exposure
N = 54 prob = 0.9
neg.binom.size = 30
mu = 1153.2
size = 0.58
p−value = 0.12
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS17a.real.exposure
N = 3 prob = 0.0157
mu = 323.01
size = 1.96
counts
Breast−AdenoCA.SBS17a.synthetic.exposure
N = 1 prob = 0.0167
mu = 393
size = 0.74
Breast−AdenoCA.SBS17a.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 365
size = 0.74
Breast−AdenoCA.SBS17a.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 326
size = 0.74
Breast−AdenoCA.SBS17a.real.exposure
N = 3 prob = 0.0157
mu = 323.01
size = 1.96
N = 3 Bandwidth = 147.2
Breast−AdenoCA.SBS17a.synthetic.exposure
N = 1 prob = 0.0167
mu = 393
size = 0.74
p−value = 1
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS17a.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 365
size = 0.74
p−value = 1
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS17a.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 326
size = 0.74
p−value = 1
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

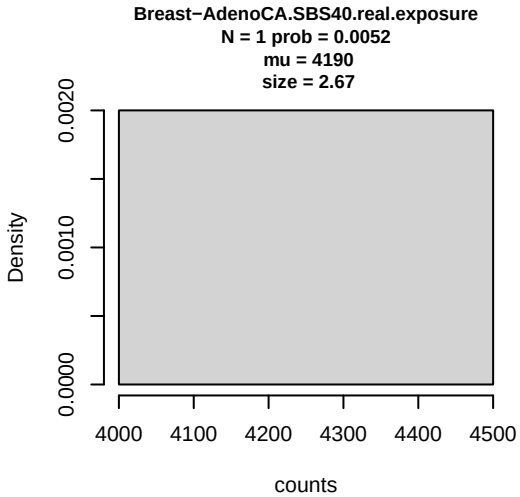

Breast−AdenoCA.SBS17b.real.exposure
N = 3 prob = 0.0157
mu = 623.22
size = 2.86
Breast−AdenoCA.SBS17b.synthetic.exposure
N = 1 prob = 0.0167
mu = 818
size = 0.69
Breast−AdenoCA.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 819
size = 0.69
Breast−AdenoCA.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 999
size = 0.69
Density
counts
Breast−AdenoCA.SBS17b.real.exposure
N = 3 prob = 0.0157
mu = 623.22
size = 2.86
Breast−AdenoCA.SBS17b.synthetic.exposure
N = 1 prob = 0.0167
mu = 818
size = 0.69
Breast−AdenoCA.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 819
size = 0.69
Breast−AdenoCA.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 999
size = 0.69
p−value = 1
real.exposure
synthetic.exposure
noisy.exposure
N = 3 Bandwidth = 233.5
Two−sample Kolmogorov−Smirnov test
Breast−AdenoCA.SBS18.real.exposure
N = 82 prob = 0.4293
mu = 694.91
size = 2.74
Breast−AdenoCA.SBS18.synthetic.exposure
N = 29 prob = 0.4833
mu = 541.4
size = 6.45
Breast−AdenoCA.SBS18.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 100
mu = 548.53
size = 6.56
Breast−AdenoCA.SBS18.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 30
mu = 545.61
size = 6.14

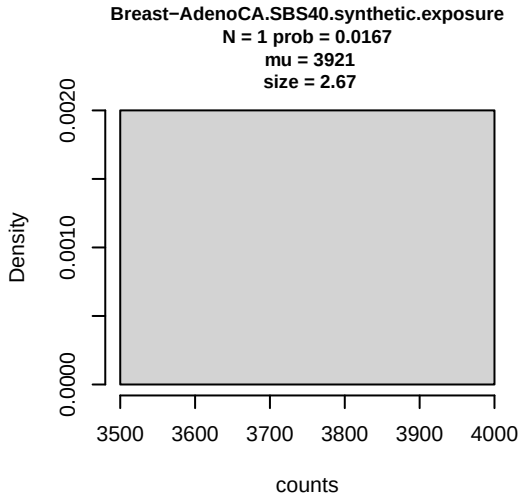

Breast−AdenoCA.SBS18.real.exposure
N = 82 prob = 0.4293
mu = 694.91
size = 2.74
Density
0e+00
4e−04
8e−04
0
500
1000
1500
2000
2500
N = 82 Bandwidth = 161.2

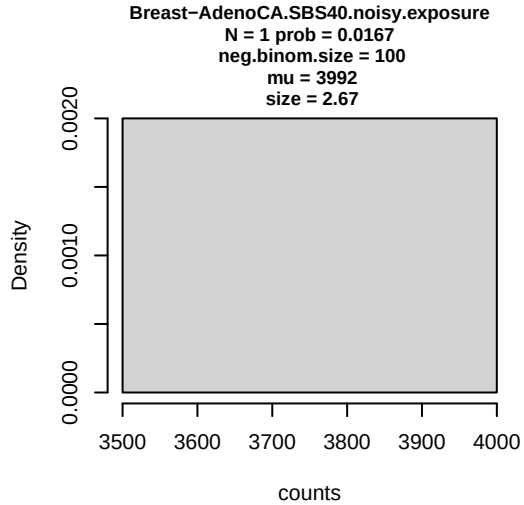

Breast−AdenoCA.SBS18.synthetic.exposure
N = 29 prob = 0.4833
mu = 541.4
size = 6.45
p−value = 0.252
real.exposure
synthetic.exposure
Density
0e+00
4e−04
8e−04
0
500
1000
1500
2000
2500
Two−sample Kolmogorov−Smirnov test

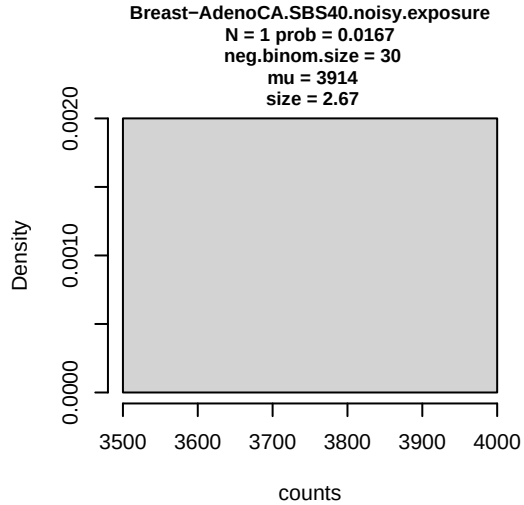

Breast−AdenoCA.SBS18.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 100
mu = 548.53
size = 6.56
p−value = 0.264
real.exposure
noisy.exposure
Density
0e+00
4e−04
8e−04
0
500
1000
1500
2000
2500
Two−sample Kolmogorov−Smirnov test

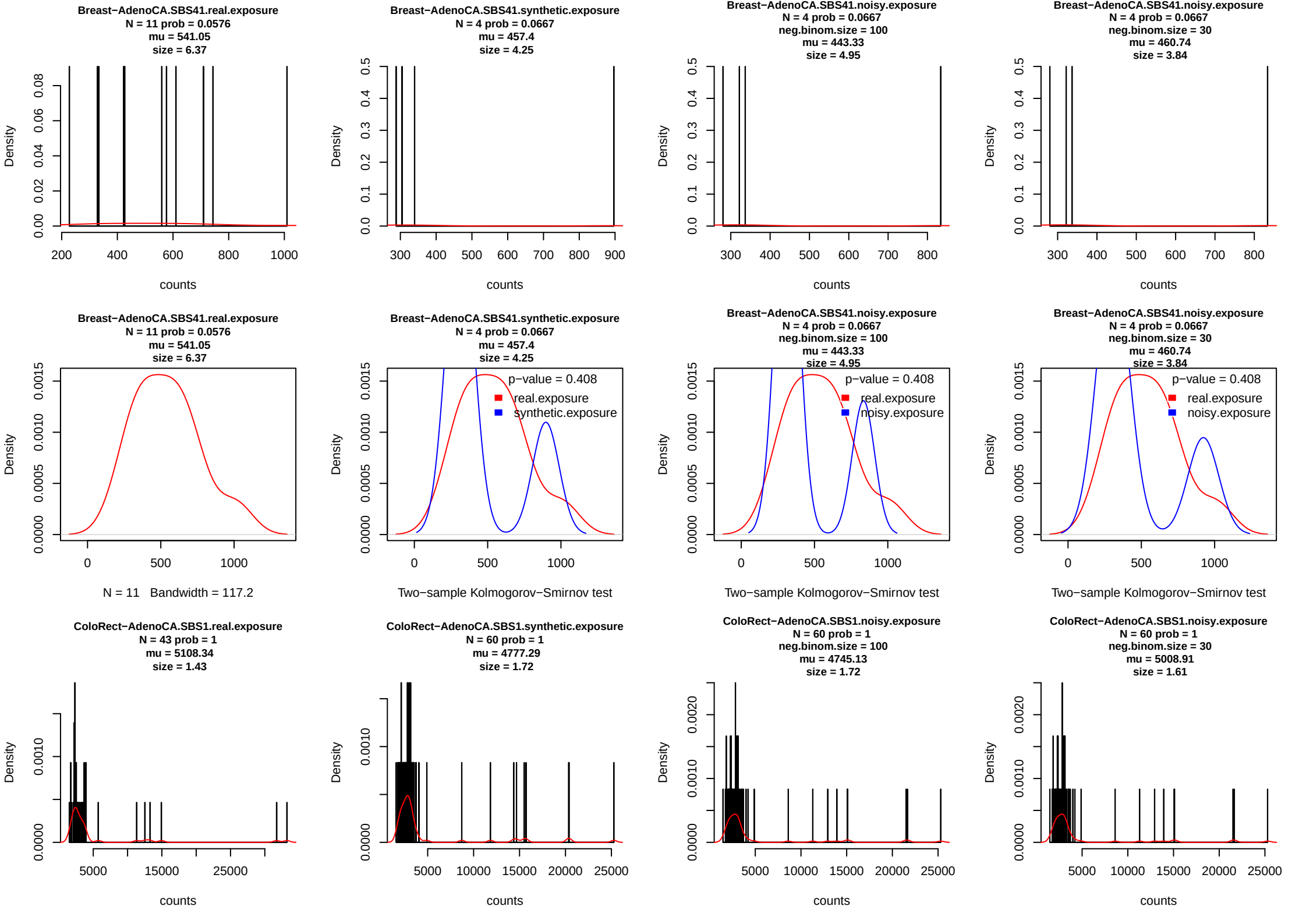

Breast−AdenoCA.SBS18.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 30
mu = 545.61
size = 6.14
p−value = 0.25
real.exposure
noisy.exposure
Density
0e+00
4e−04
8e−04
0
500
1000
1500
2000
2500
Two−sample Kolmogorov−Smirnov test

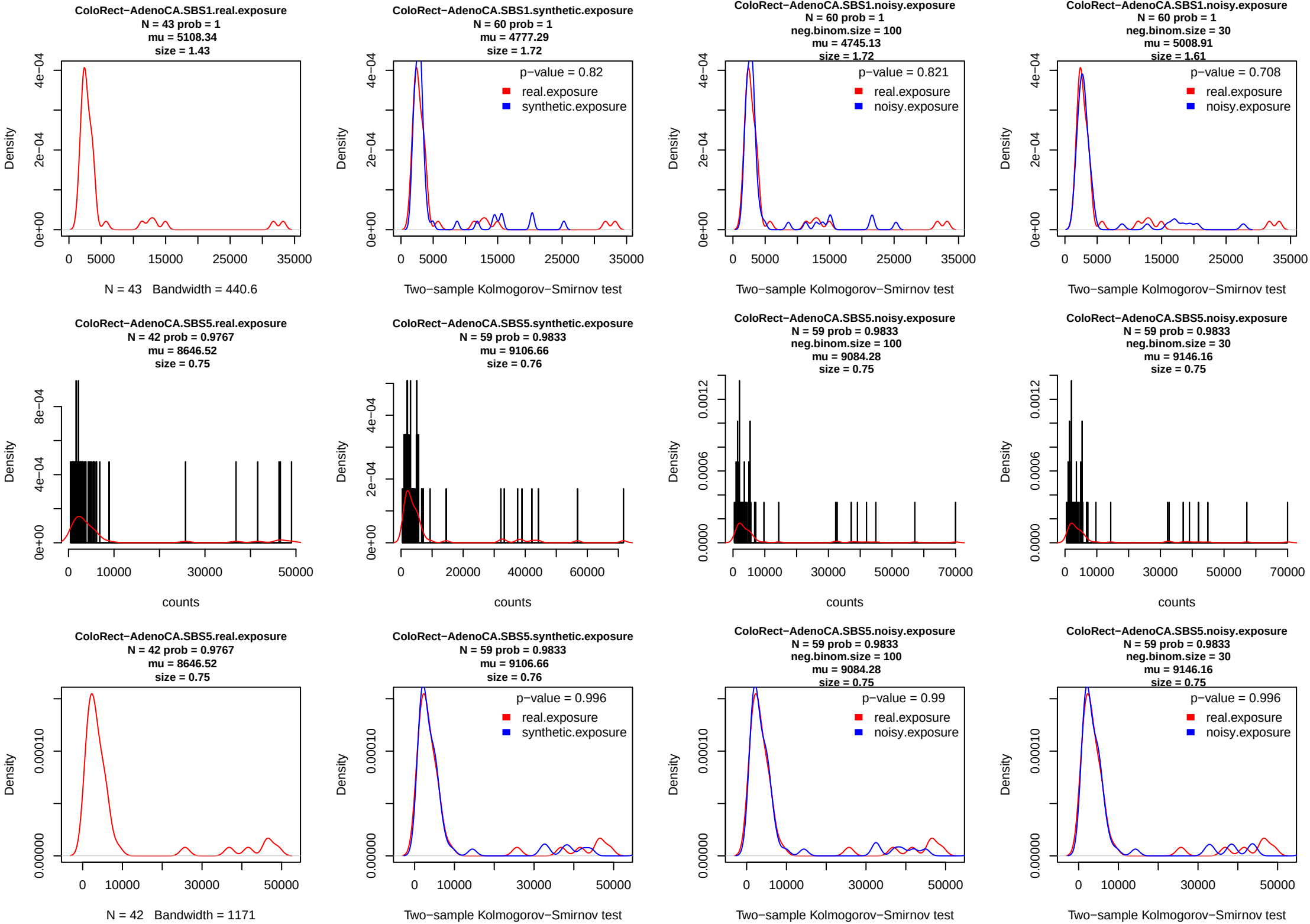

Breast−AdenoCA.SBS40.real.exposure
N = 1 prob = 0.0052
mu = 4190
size = 2.67
Density
0.0000
0.0010
0.0020
4000
4100
4200
4300
4400
4500
counts

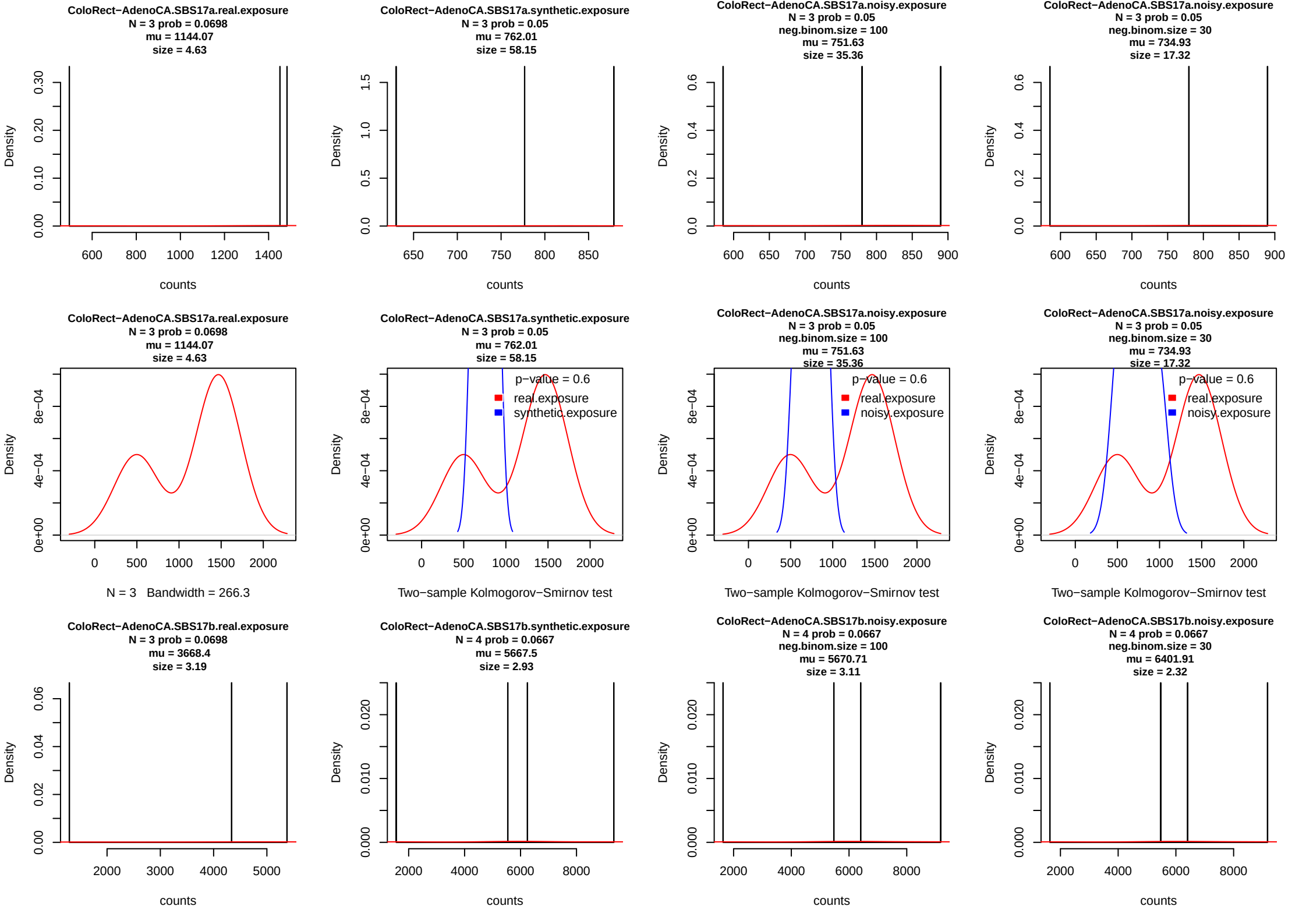

Breast−AdenoCA.SBS40.synthetic.exposure
N = 1 prob = 0.0167
mu = 3921
size = 2.67
Density
0.0000
0.0010
0.0020
3500
3600
3700
3800
3900
4000
counts

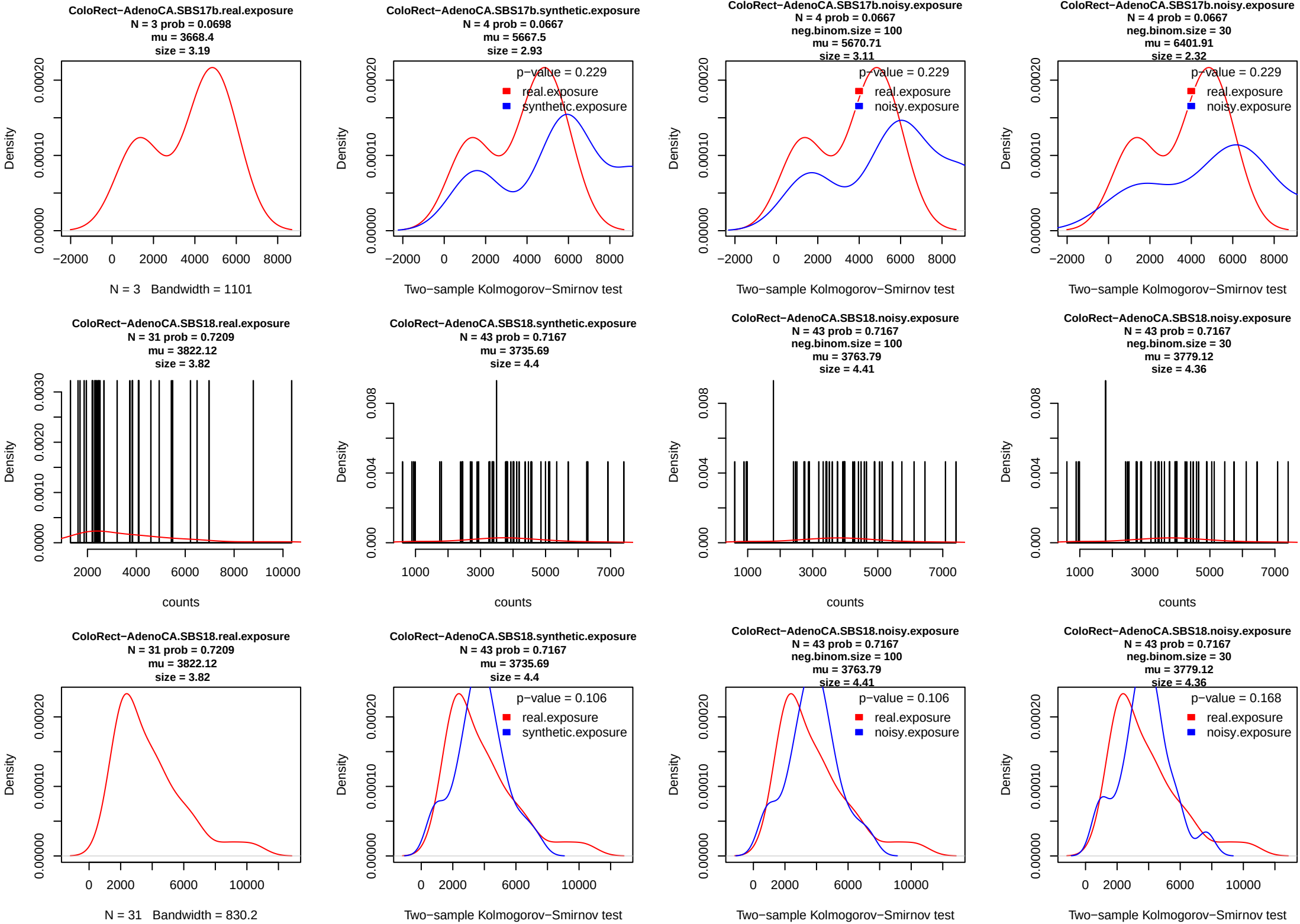

Breast−AdenoCA.SBS40.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 3992
size = 2.67
Density
0.0000
0.0010
0.0020
3500
3600
3700
3800
3900
4000
counts

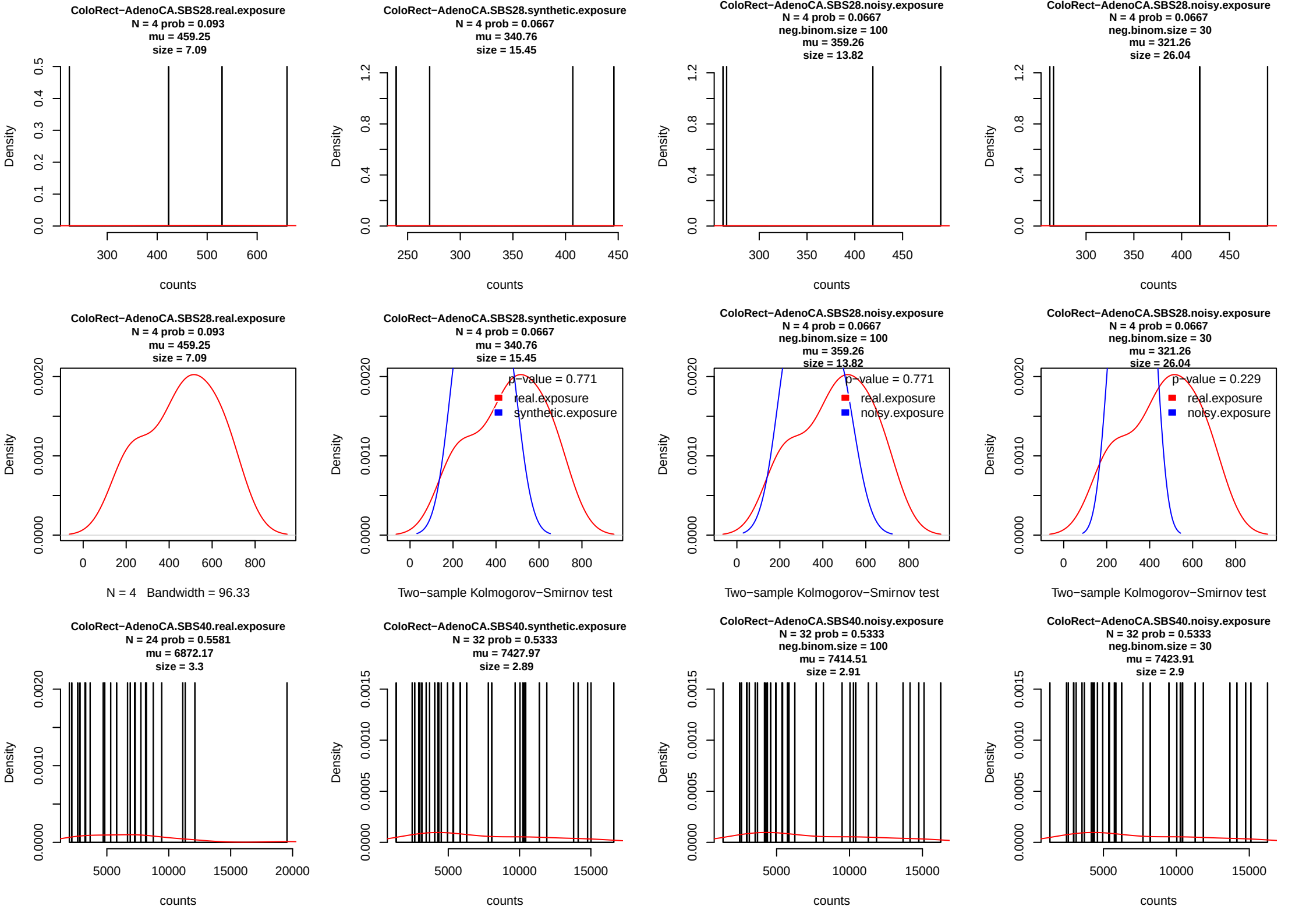

Breast−AdenoCA.SBS40.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 3914
size = 2.67
Density
0.0000
0.0010
0.0020
3500
3600
3700
3800
3900
4000
counts

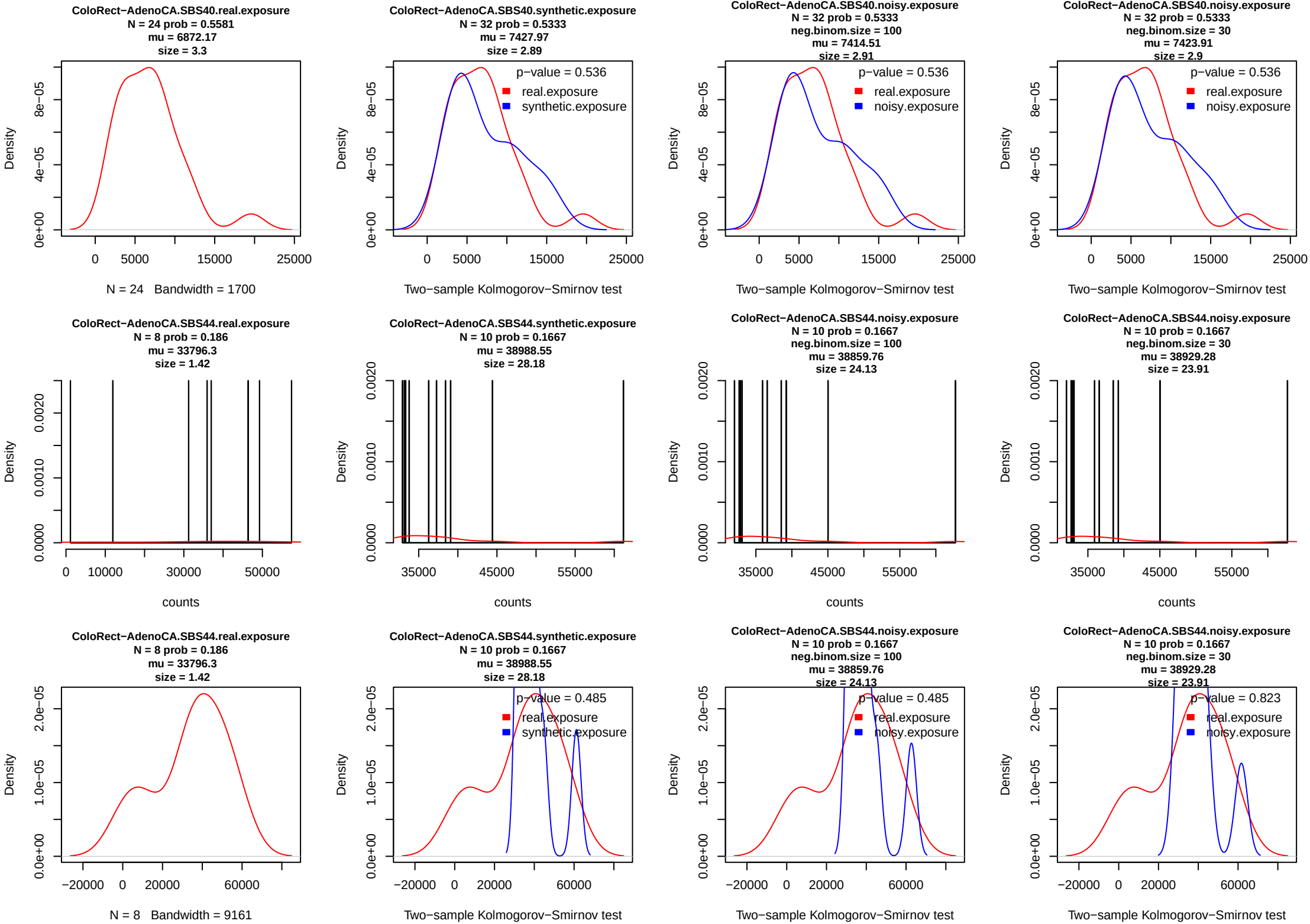

Breast−AdenoCA.SBS41.real.exposure
N = 11 prob = 0.0576
mu = 541.05
size = 6.37
Breast−AdenoCA.SBS41.synthetic.exposure
N = 4 prob = 0.0667
mu = 457.4
size = 4.25
Breast−AdenoCA.SBS41.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 100
mu = 443.33
size = 4.95
Breast−AdenoCA.SBS41.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 30
mu = 460.74
size = 3.84
Density
counts
N = 11 Bandwidth = 117.2
p−value = 0.408
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS1.real.exposure
N = 43 prob = 1
mu = 5108.34
size = 1.43
ColoRect−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 4777.29
size = 1.72
ColoRect−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 4745.13
size = 1.72
ColoRect−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 5008.91
size = 1.61

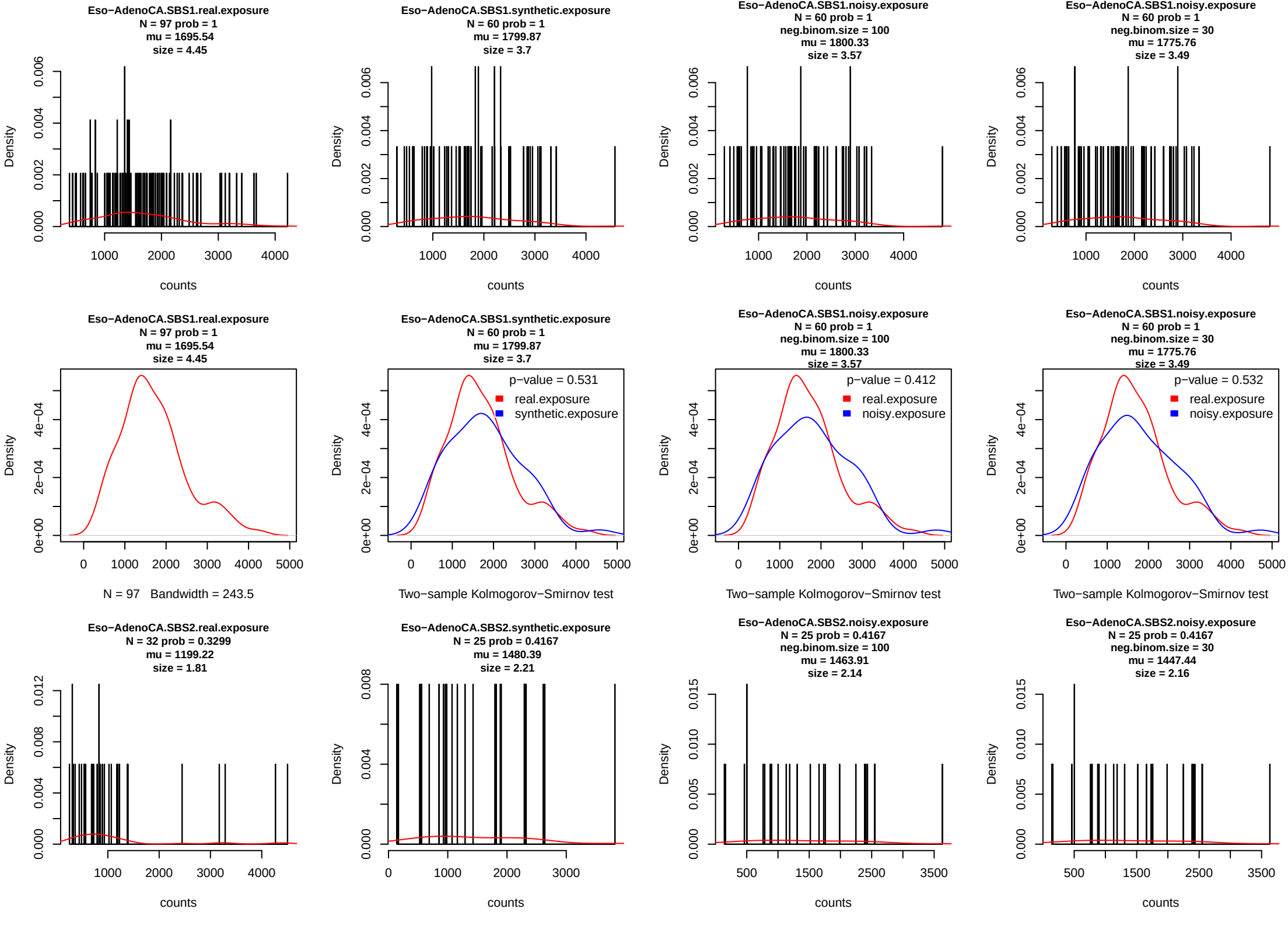

ColoRect−AdenoCA.SBS1.real.exposure
N = 43 prob = 1
mu = 5108.34
size = 1.43
Density
N = 43 Bandwidth = 440.6
ColoRect−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 4777.29
size = 1.72
p−value = 0.82
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 4745.13
size = 1.72
p−value = 0.821
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 5008.91
size = 1.61
p−value = 0.708
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS5.real.exposure
N = 42 prob = 0.9767
mu = 8646.52
size = 0.75
counts
ColoRect−AdenoCA.SBS5.synthetic.exposure
N = 59 prob = 0.9833
mu = 9106.66
size = 0.76
counts
ColoRect−AdenoCA.SBS5.noisy.exposure
N = 59 prob = 0.9833
neg.binom.size = 100
mu = 9084.28
size = 0.75
counts
ColoRect−AdenoCA.SBS5.noisy.exposure
N = 59 prob = 0.9833
neg.binom.size = 30
mu = 9146.16
size = 0.75
counts
ColoRect−AdenoCA.SBS5.real.exposure
N = 42 prob = 0.9767
mu = 8646.52
size = 0.75
N = 42 Bandwidth = 1171
ColoRect−AdenoCA.SBS5.synthetic.exposure
N = 59 prob = 0.9833
mu = 9106.66
size = 0.76
p−value = 0.996
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS5.noisy.exposure
N = 59 prob = 0.9833
neg.binom.size = 100
mu = 9084.28
size = 0.75
p−value = 0.99
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS5.noisy.exposure
N = 59 prob = 0.9833
neg.binom.size = 30
mu = 9146.16
size = 0.75
p−value = 0.996
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

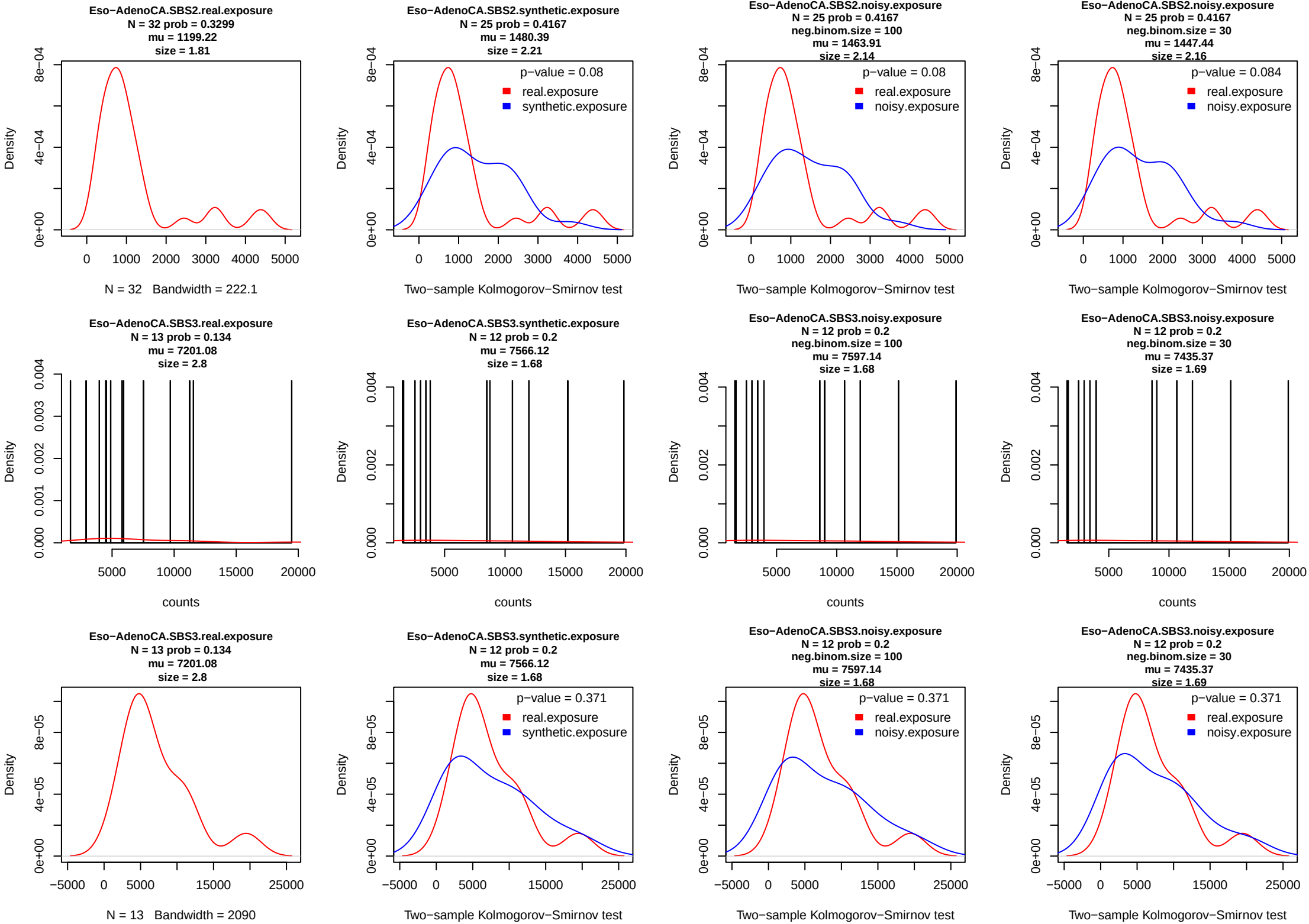

ColoRect−AdenoCA.SBS17a.real.exposure
N = 3 prob = 0.0698
mu = 1144.07
size = 4.63
ColoRect−AdenoCA.SBS17a.synthetic.exposure
N = 3 prob = 0.05
mu = 762.01
size = 58.15
ColoRect−AdenoCA.SBS17a.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 751.63
size = 35.36
ColoRect−AdenoCA.SBS17a.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 734.93
size = 17.32
Density
counts
p−value = 0.6
real.exposure
synthetic.exposure
noisy.exposure
N = 3 Bandwidth = 266.3
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS17b.real.exposure
N = 3 prob = 0.0698
mu = 3668.4
size = 3.19
ColoRect−AdenoCA.SBS17b.synthetic.exposure
N = 4 prob = 0.0667
mu = 5667.5
size = 2.93
ColoRect−AdenoCA.SBS17b.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 100
mu = 5670.71
size = 3.11
ColoRect−AdenoCA.SBS17b.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 30
mu = 6401.91
size = 2.32

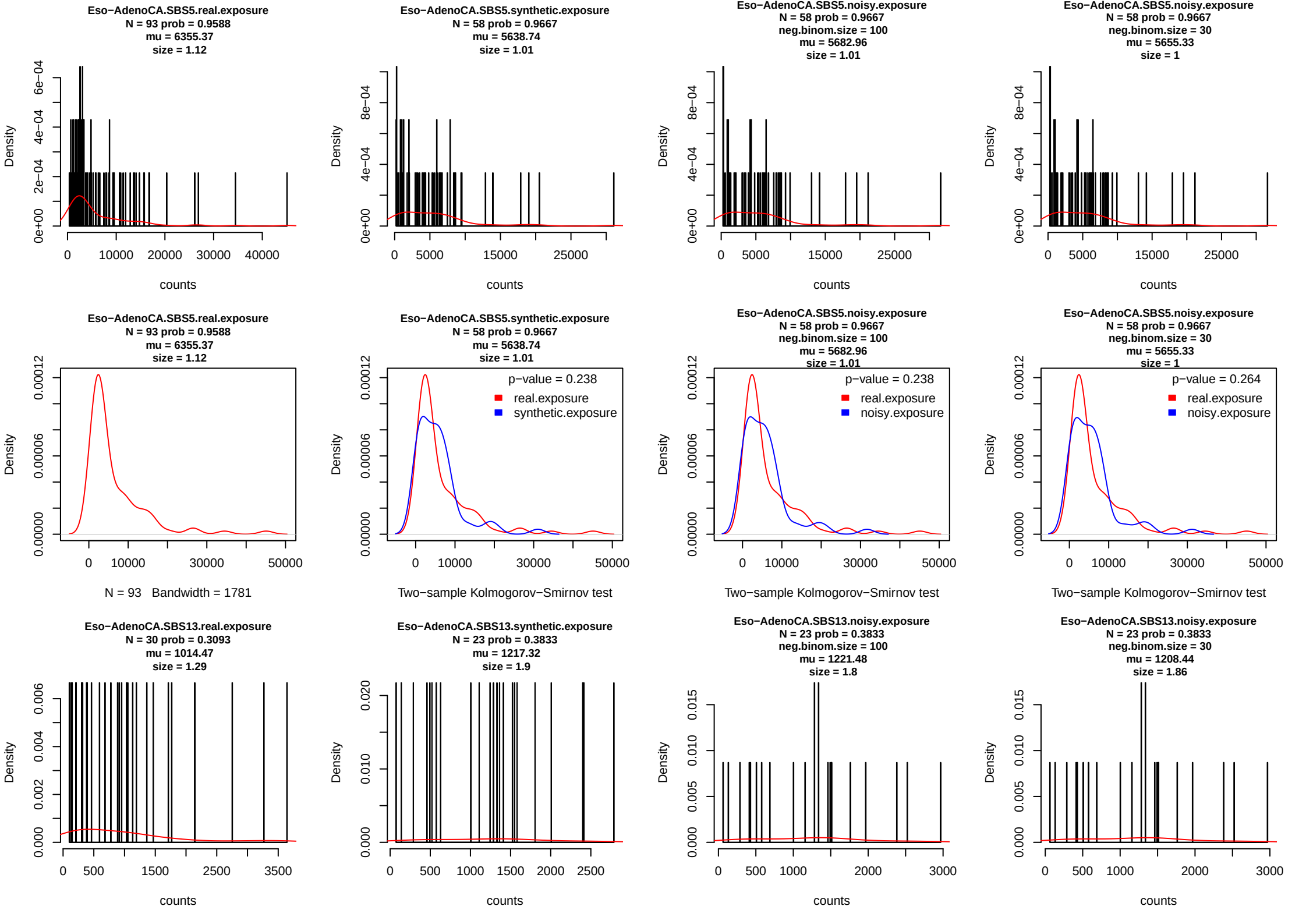

ColoRect−AdenoCA.SBS17b.real.exposure
N = 3 prob = 0.0698
mu = 3668.4
size = 3.19
Density
N = 3 Bandwidth = 1101
ColoRect−AdenoCA.SBS17b.synthetic.exposure
N = 4 prob = 0.0667
mu = 5667.5
size = 2.93
p−value = 0.229
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS17b.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 100
mu = 5670.71
size = 3.11
p−value = 0.229
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS17b.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 30
mu = 6401.91
size = 2.32
p−value = 0.229
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS18.real.exposure
N = 31 prob = 0.7209
mu = 3822.12
size = 3.82
counts
ColoRect−AdenoCA.SBS18.synthetic.exposure
N = 43 prob = 0.7167
mu = 3735.69
size = 4.4
counts
ColoRect−AdenoCA.SBS18.noisy.exposure
N = 43 prob = 0.7167
neg.binom.size = 100
mu = 3763.79
size = 4.41
counts
ColoRect−AdenoCA.SBS18.noisy.exposure
N = 43 prob = 0.7167
neg.binom.size = 30
mu = 3779.12
size = 4.36
counts
ColoRect−AdenoCA.SBS18.real.exposure
N = 31 prob = 0.7209
mu = 3822.12
size = 3.82
N = 31 Bandwidth = 830.2
ColoRect−AdenoCA.SBS18.synthetic.exposure
N = 43 prob = 0.7167
mu = 3735.69
size = 4.4
p−value = 0.106
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS18.noisy.exposure
N = 43 prob = 0.7167
neg.binom.size = 100
mu = 3763.79
size = 4.41
p−value = 0.106
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS18.noisy.exposure
N = 43 prob = 0.7167
neg.binom.size = 30
mu = 3779.12
size = 4.36
p−value = 0.168
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

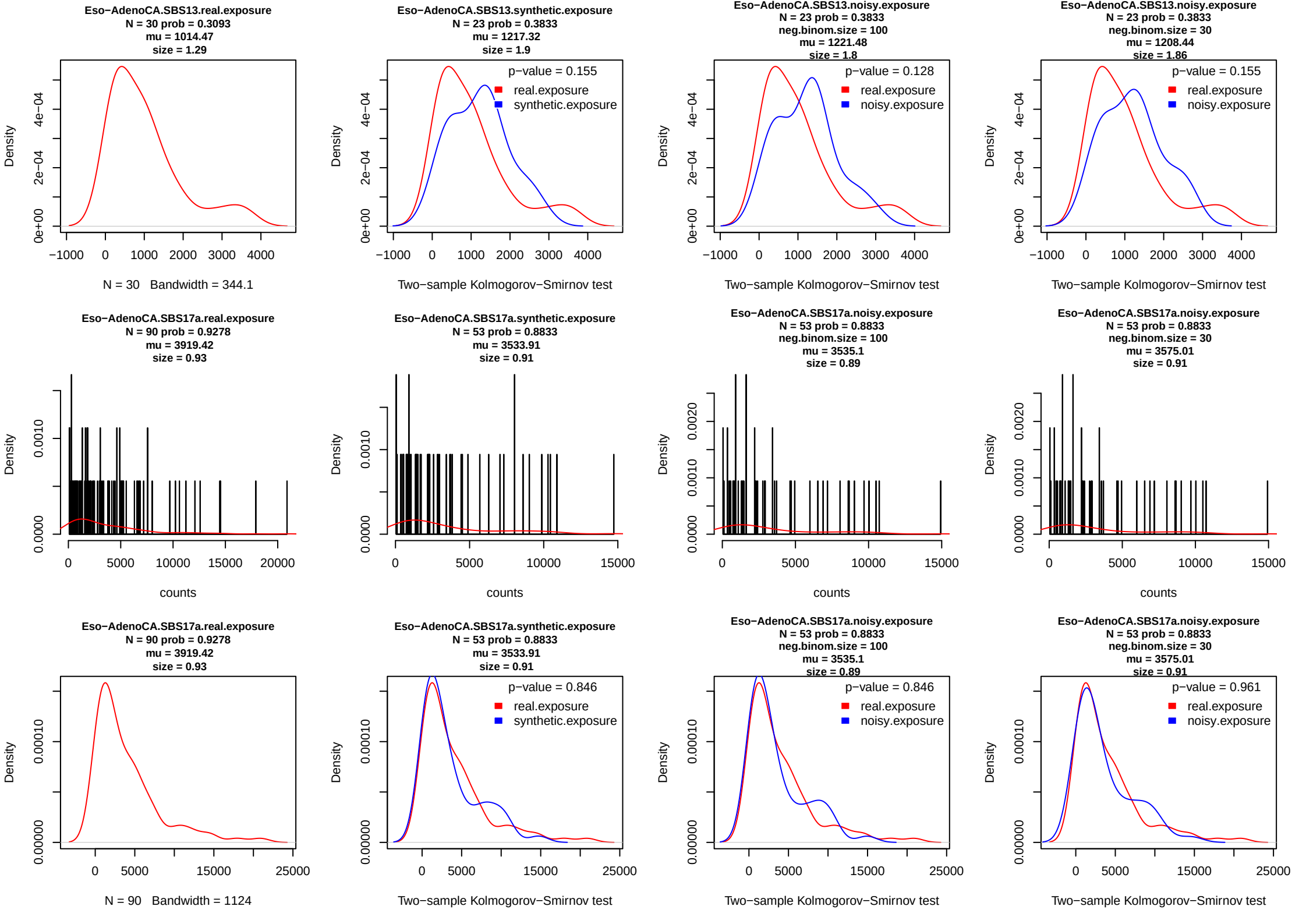

ColoRect−AdenoCA.SBS28.real.exposure
N = 4 prob = 0.093
mu = 459.25
size = 7.09
ColoRect−AdenoCA.SBS28.synthetic.exposure
N = 4 prob = 0.0667
mu = 340.76
size = 15.45
ColoRect−AdenoCA.SBS28.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 100
mu = 359.26
size = 13.82
ColoRect−AdenoCA.SBS28.noisy.exposure
N = 4 prob = 0.0667
neg.binom.size = 30
mu = 321.26
size = 26.04
Density
counts
N = 4 Bandwidth = 96.33
p−value = 0.771
real.exposure
synthetic.exposure
noisy.exposure
p−value = 0.229
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS40.real.exposure
N = 24 prob = 0.5581
mu = 6872.17
size = 3.3
ColoRect−AdenoCA.SBS40.synthetic.exposure
N = 32 prob = 0.5333
mu = 7427.97
size = 2.89
ColoRect−AdenoCA.SBS40.noisy.exposure
N = 32 prob = 0.5333
neg.binom.size = 100
mu = 7414.51
size = 2.91
ColoRect−AdenoCA.SBS40.noisy.exposure
N = 32 prob = 0.5333
neg.binom.size = 30
mu = 7423.91
size = 2.9

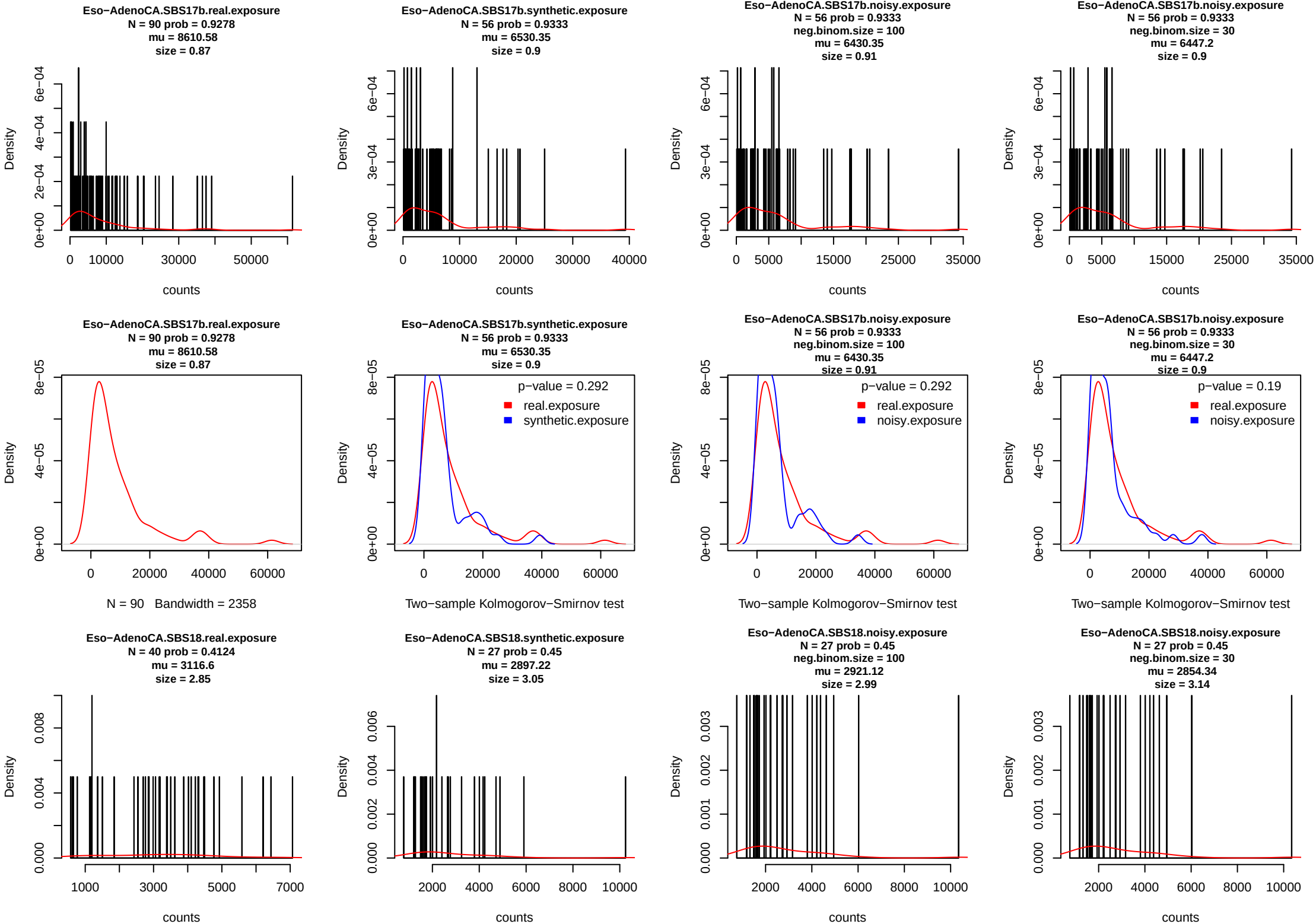

ColoRect−AdenoCA.SBS40.real.exposure
N = 24 prob = 0.5581
mu = 6872.17
size = 3.3
Density
N = 24 Bandwidth = 1700
ColoRect−AdenoCA.SBS40.synthetic.exposure
N = 32 prob = 0.5333
mu = 7427.97
size = 2.89
p−value = 0.536
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS40.noisy.exposure
N = 32 prob = 0.5333
neg.binom.size = 100
mu = 7414.51
size = 2.91
p−value = 0.536
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS40.noisy.exposure
N = 32 prob = 0.5333
neg.binom.size = 30
mu = 7423.91
size = 2.9
p−value = 0.536
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS44.real.exposure
N = 8 prob = 0.186
mu = 33796.3
size = 1.42
counts
ColoRect−AdenoCA.SBS44.synthetic.exposure
N = 10 prob = 0.1667
mu = 38988.55
size = 28.18
counts
ColoRect−AdenoCA.SBS44.noisy.exposure
N = 10 prob = 0.1667
neg.binom.size = 100
mu = 38859.76
size = 24.13
counts
ColoRect−AdenoCA.SBS44.noisy.exposure
N = 10 prob = 0.1667
neg.binom.size = 30
mu = 38929.28
size = 23.91
counts
ColoRect−AdenoCA.SBS44.real.exposure
N = 8 prob = 0.186
mu = 33796.3
size = 1.42
N = 8 Bandwidth = 9161
ColoRect−AdenoCA.SBS44.synthetic.exposure
N = 10 prob = 0.1667
mu = 38988.55
size = 28.18
p−value = 0.485
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS44.noisy.exposure
N = 10 prob = 0.1667
neg.binom.size = 100
mu = 38859.76
size = 24.13
p−value = 0.485
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
ColoRect−AdenoCA.SBS44.noisy.exposure
N = 10 prob = 0.1667
neg.binom.size = 30
mu = 38929.28
size = 23.91
p−value = 0.823
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

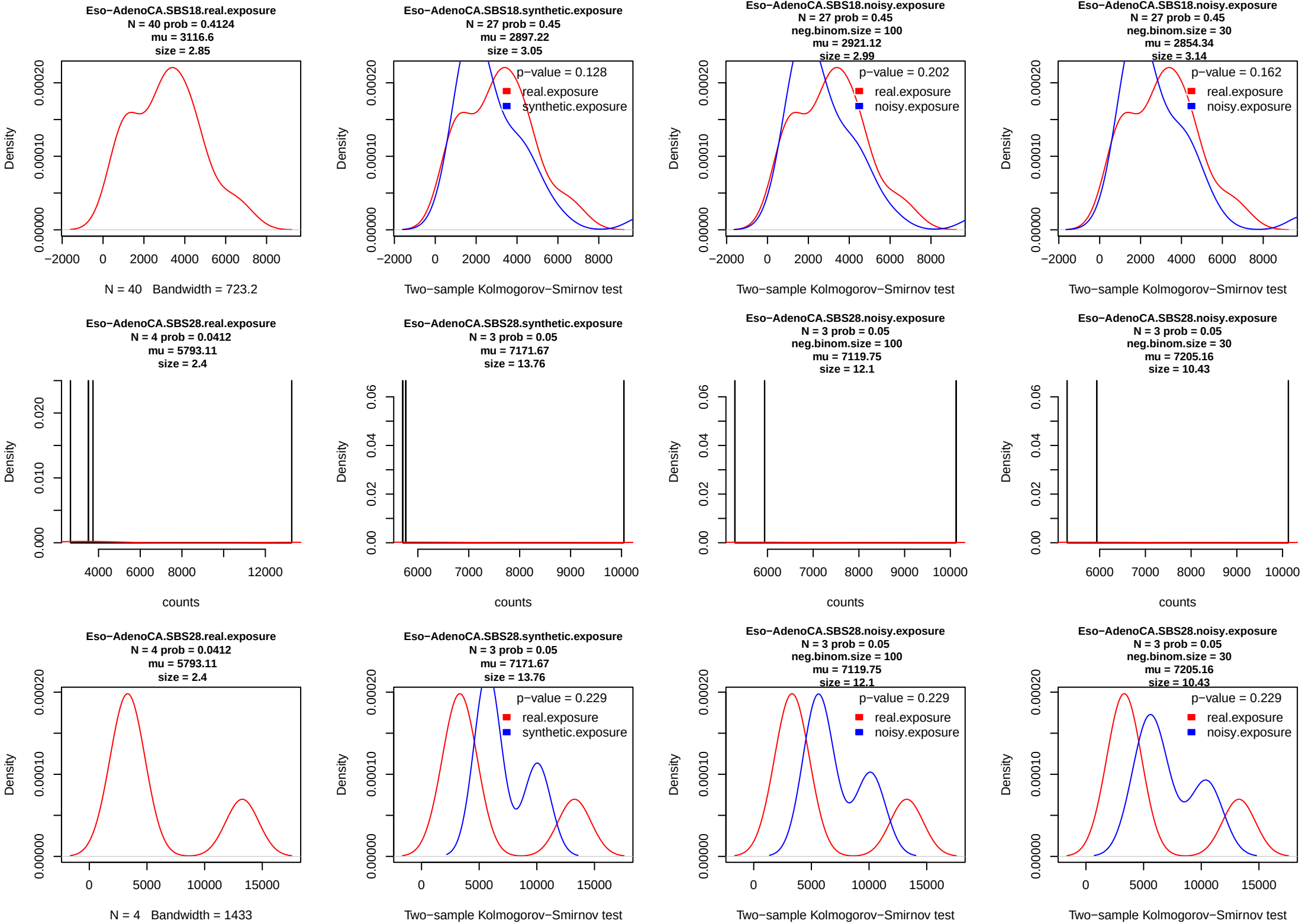

Eso−AdenoCA.SBS1.real.exposure
N = 97 prob = 1
mu = 1695.54
size = 4.45
Eso−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 1799.87
size = 3.7
Eso−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 1800.33
size = 3.57
Eso−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 1775.76
size = 3.49
Density
counts
N = 97 Bandwidth = 243.5
p−value = 0.531
real.exposure
synthetic.exposure
p−value = 0.412
noisy.exposure
p−value = 0.532
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS2.real.exposure
N = 32 prob = 0.3299
mu = 1199.22
size = 1.81
Eso−AdenoCA.SBS2.synthetic.exposure
N = 25 prob = 0.4167
mu = 1480.39
size = 2.21
Eso−AdenoCA.SBS2.noisy.exposure
N = 25 prob = 0.4167
neg.binom.size = 100
mu = 1463.91
size = 2.14
Eso−AdenoCA.SBS2.noisy.exposure
N = 25 prob = 0.4167
neg.binom.size = 30
mu = 1447.44
size = 2.16

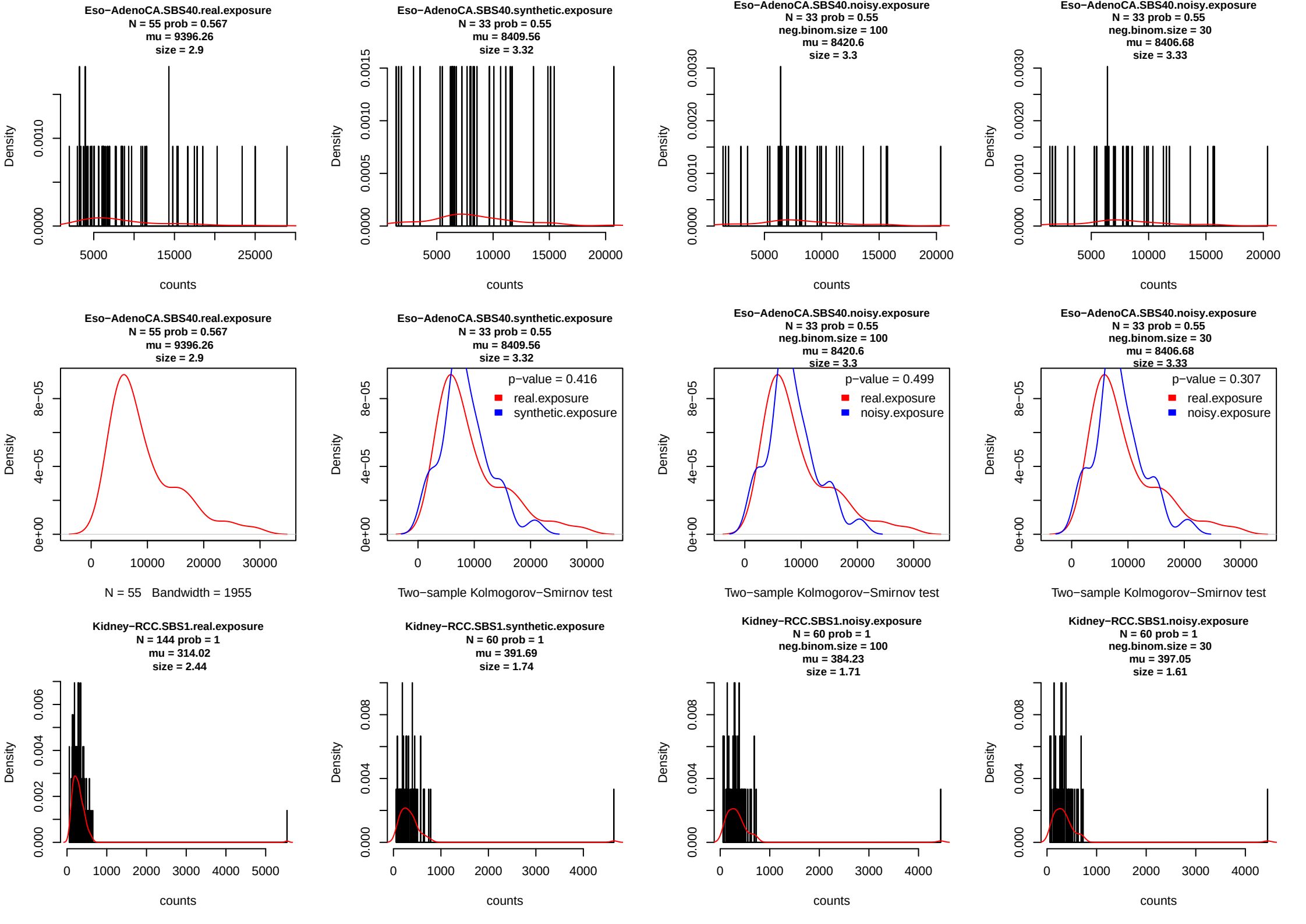

Eso−AdenoCA.SBS2.real.exposure
N = 32 prob = 0.3299
mu = 1199.22
size = 1.81
Density
N = 32 Bandwidth = 222.1
Eso−AdenoCA.SBS2.synthetic.exposure
N = 25 prob = 0.4167
mu = 1480.39
size = 2.21
p−value = 0.08
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS2.noisy.exposure
N = 25 prob = 0.4167
neg.binom.size = 100
mu = 1463.91
size = 2.14
p−value = 0.08
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS2.noisy.exposure
N = 25 prob = 0.4167
neg.binom.size = 30
mu = 1447.44
size = 2.16
p−value = 0.084
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS3.real.exposure
N = 13 prob = 0.134
mu = 7201.08
size = 2.8
counts
Eso−AdenoCA.SBS3.synthetic.exposure
N = 12 prob = 0.2
mu = 7566.12
size = 1.68
counts
Eso−AdenoCA.SBS3.noisy.exposure
N = 12 prob = 0.2
neg.binom.size = 100
mu = 7597.14
size = 1.68
counts
Eso−AdenoCA.SBS3.noisy.exposure
N = 12 prob = 0.2
neg.binom.size = 30
mu = 7435.37
size = 1.69
counts
Eso−AdenoCA.SBS3.real.exposure
N = 13 prob = 0.134
mu = 7201.08
size = 2.8
N = 13 Bandwidth = 2090
Eso−AdenoCA.SBS3.synthetic.exposure
N = 12 prob = 0.2
mu = 7566.12
size = 1.68
p−value = 0.371
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS3.noisy.exposure
N = 12 prob = 0.2
neg.binom.size = 100
mu = 7597.14
size = 1.68
p−value = 0.371
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS3.noisy.exposure
N = 12 prob = 0.2
neg.binom.size = 30
mu = 7435.37
size = 1.69
p−value = 0.371
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

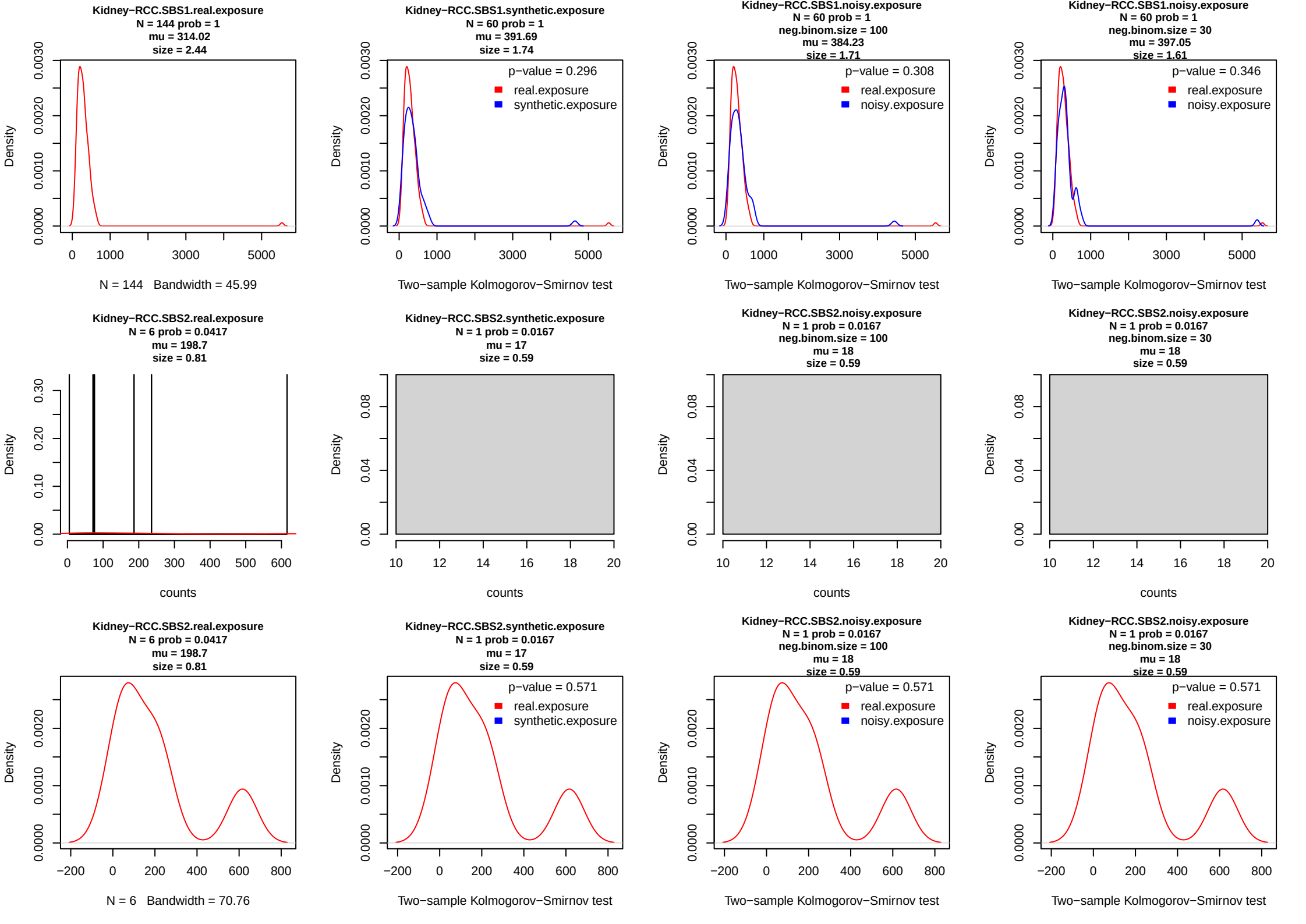

Eso−AdenoCA.SBS5.real.exposure
N = 93 prob = 0.9588
mu = 6355.37
size = 1.12
Eso−AdenoCA.SBS5.synthetic.exposure
N = 58 prob = 0.9667
mu = 5638.74
size = 1.01
Eso−AdenoCA.SBS5.noisy.exposure
N = 58 prob = 0.9667
neg.binom.size = 100
mu = 5682.96
size = 1.01
Eso−AdenoCA.SBS5.noisy.exposure
N = 58 prob = 0.9667
neg.binom.size = 30
mu = 5655.33
size = 1
Density
counts
Eso−AdenoCA.SBS5.real.exposure
N = 93 prob = 0.9588
mu = 6355.37
size = 1.12
Eso−AdenoCA.SBS5.synthetic.exposure
N = 58 prob = 0.9667
mu = 5638.74
size = 1.01
p−value = 0.238
real.exposure
synthetic.exposure
Eso−AdenoCA.SBS5.noisy.exposure
N = 58 prob = 0.9667
neg.binom.size = 100
mu = 5682.96
size = 1.01
p−value = 0.238
real.exposure
noisy.exposure
Eso−AdenoCA.SBS5.noisy.exposure
N = 58 prob = 0.9667
neg.binom.size = 30
mu = 5655.33
size = 1
p−value = 0.264
real.exposure
noisy.exposure
N = 93 Bandwidth = 1781
Two−sample Kolmogorov−Smirnov test
Two−sample Kolmogorov−Smirnov test
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS13.real.exposure
N = 30 prob = 0.3093
mu = 1014.47
size = 1.29
Eso−AdenoCA.SBS13.synthetic.exposure
N = 23 prob = 0.3833
mu = 1217.32
size = 1.9
Eso−AdenoCA.SBS13.noisy.exposure
N = 23 prob = 0.3833
neg.binom.size = 100
mu = 1221.48
size = 1.8
Eso−AdenoCA.SBS13.noisy.exposure
N = 23 prob = 0.3833
neg.binom.size = 30
mu = 1208.44
size = 1.86

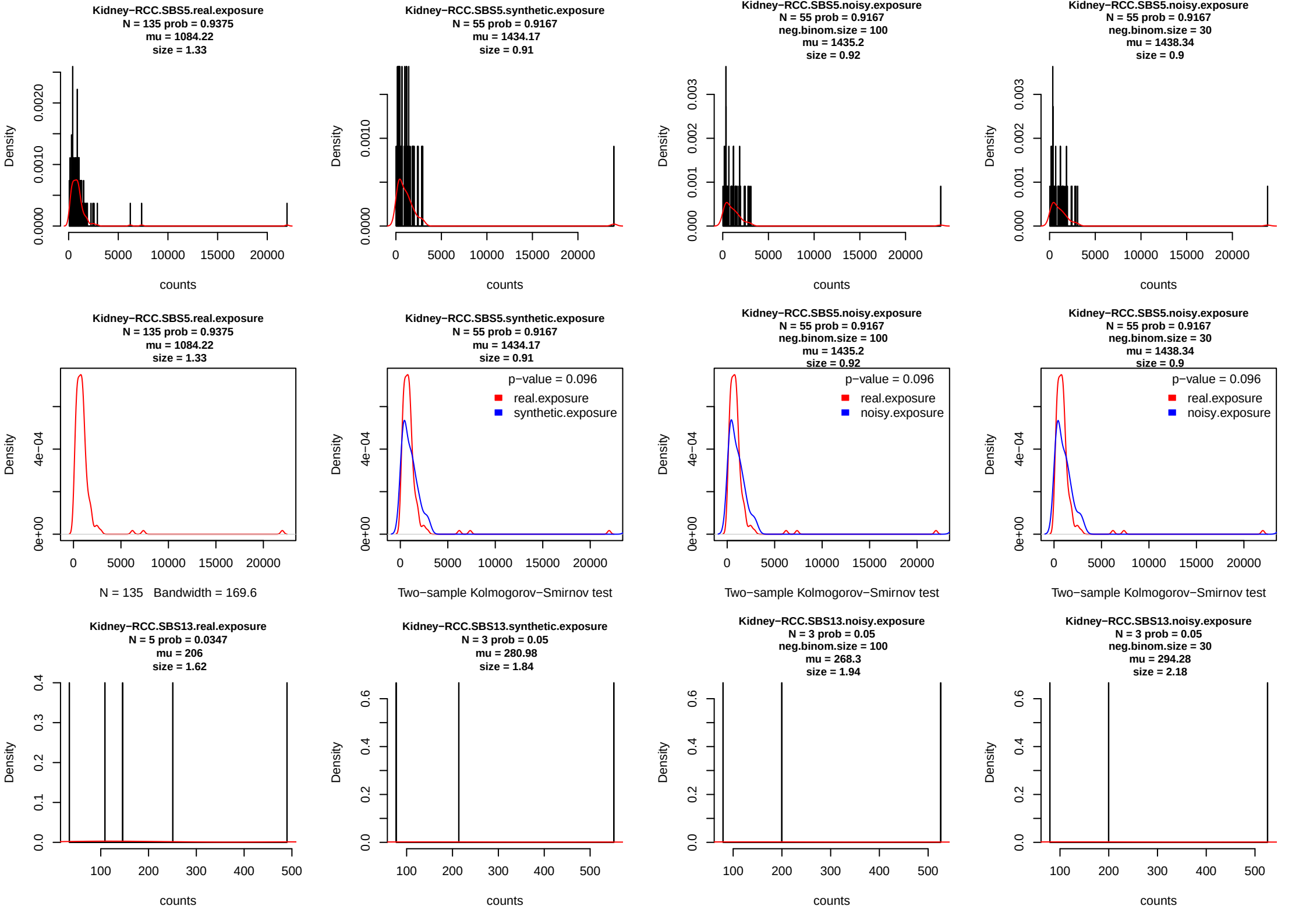

Eso−AdenoCA.SBS13.real.exposure
N = 30 prob = 0.3093
mu = 1014.47
size = 1.29
Density
N = 30 Bandwidth = 344.1
Eso−AdenoCA.SBS13.synthetic.exposure
N = 23 prob = 0.3833
mu = 1217.32
size = 1.9
p−value = 0.155
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS13.noisy.exposure
N = 23 prob = 0.3833
neg.binom.size = 100
mu = 1221.48
size = 1.8
p−value = 0.128
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS13.noisy.exposure
N = 23 prob = 0.3833
neg.binom.size = 30
mu = 1208.44
size = 1.86
p−value = 0.155
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS17a.real.exposure
N = 90 prob = 0.9278
mu = 3919.42
size = 0.93
counts
Eso−AdenoCA.SBS17a.synthetic.exposure
N = 53 prob = 0.8833
mu = 3533.91
size = 0.91
counts
Eso−AdenoCA.SBS17a.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 100
mu = 3535.1
size = 0.89
counts
Eso−AdenoCA.SBS17a.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 30
mu = 3575.01
size = 0.91
counts
Eso−AdenoCA.SBS17a.real.exposure
N = 90 prob = 0.9278
mu = 3919.42
size = 0.93
N = 90 Bandwidth = 1124
Eso−AdenoCA.SBS17a.synthetic.exposure
N = 53 prob = 0.8833
mu = 3533.91
size = 0.91
p−value = 0.846
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS17a.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 100
mu = 3535.1
size = 0.89
p−value = 0.846
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS17a.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 30
mu = 3575.01
size = 0.91
p−value = 0.961
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

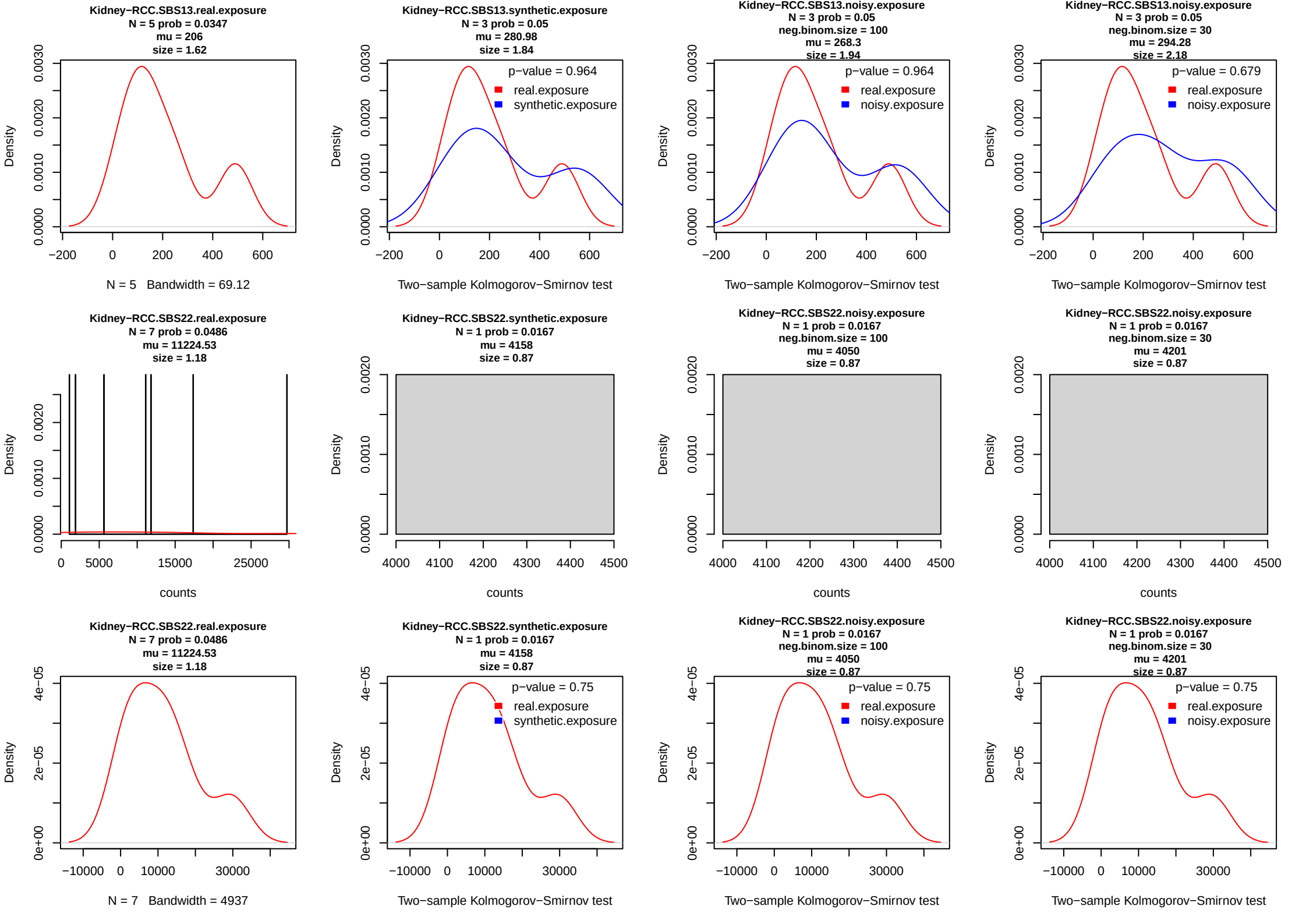

Eso−AdenoCA.SBS17b.real.exposure
N = 90 prob = 0.9278
mu = 8610.58
size = 0.87
Eso−AdenoCA.SBS17b.synthetic.exposure
N = 56 prob = 0.9333
mu = 6530.35
size = 0.9
Eso−AdenoCA.SBS17b.noisy.exposure
N = 56 prob = 0.9333
neg.binom.size = 100
mu = 6430.35
size = 0.91
Eso−AdenoCA.SBS17b.noisy.exposure
N = 56 prob = 0.9333
neg.binom.size = 30
mu = 6447.2
size = 0.9
Density
counts
N = 90 Bandwidth = 2358
p−value = 0.292
real.exposure
synthetic.exposure
noisy.exposure
p−value = 0.19
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS18.real.exposure
N = 40 prob = 0.4124
mu = 3116.6
size = 2.85
Eso−AdenoCA.SBS18.synthetic.exposure
N = 27 prob = 0.45
mu = 2897.22
size = 3.05
Eso−AdenoCA.SBS18.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 100
mu = 2921.12
size = 2.99
Eso−AdenoCA.SBS18.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 30
mu = 2854.34
size = 3.14

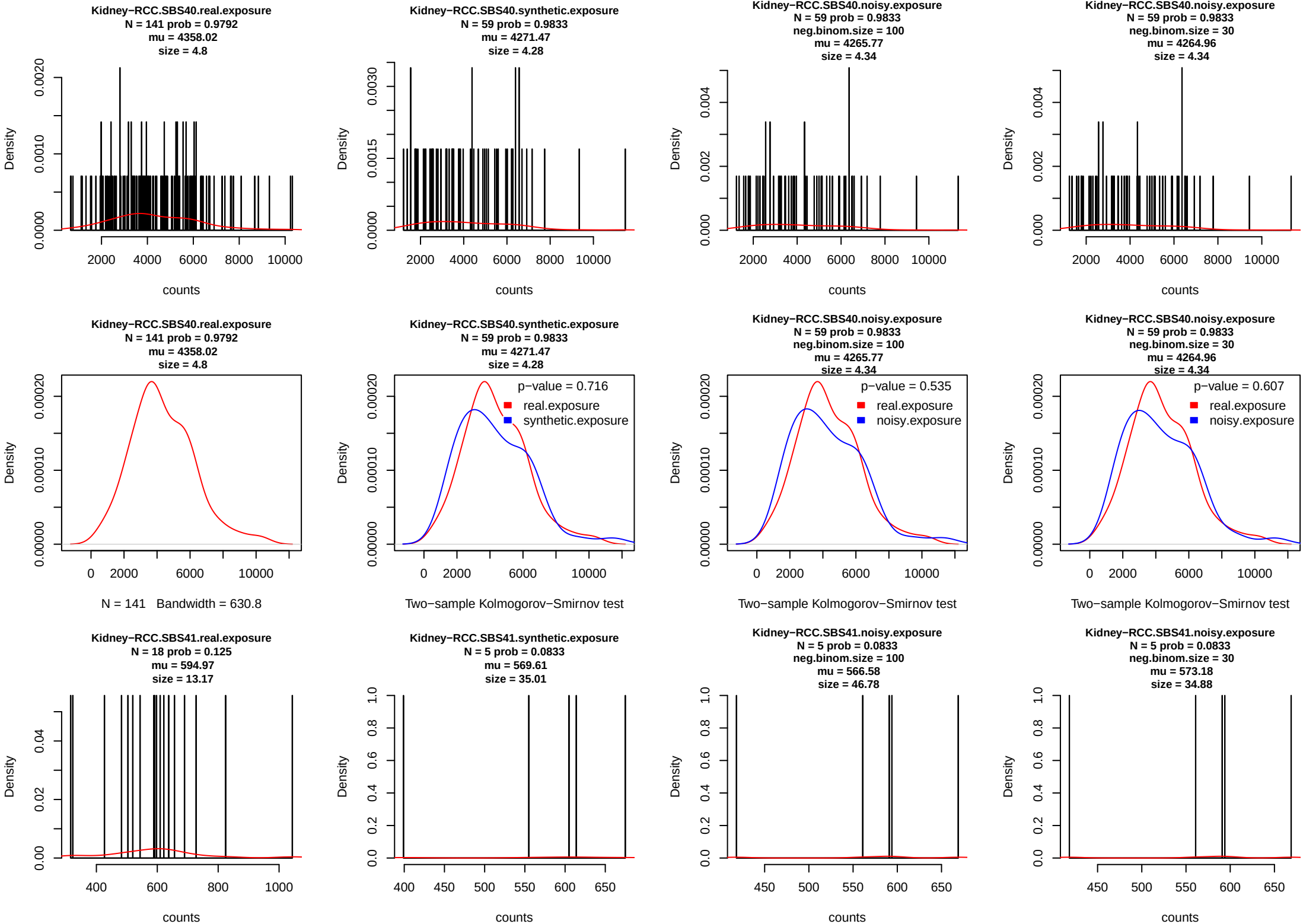

Eso−AdenoCA.SBS18.real.exposure
N = 40 prob = 0.4124
mu = 3116.6
size = 2.85
Density
N = 40 Bandwidth = 723.2
Eso−AdenoCA.SBS18.synthetic.exposure
N = 27 prob = 0.45
mu = 2897.22
size = 3.05
p−value = 0.128
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS18.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 100
mu = 2921.12
size = 2.99
p−value = 0.202
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS18.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 30
mu = 2854.34
size = 3.14
p−value = 0.162
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS28.real.exposure
N = 4 prob = 0.0412
mu = 5793.11
size = 2.4
counts
Eso−AdenoCA.SBS28.synthetic.exposure
N = 3 prob = 0.05
mu = 7171.67
size = 13.76
counts
Eso−AdenoCA.SBS28.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 7119.75
size = 12.1
counts
Eso−AdenoCA.SBS28.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 7205.16
size = 10.43
counts
Eso−AdenoCA.SBS28.real.exposure
N = 4 prob = 0.0412
mu = 5793.11
size = 2.4
N = 4 Bandwidth = 1433
Eso−AdenoCA.SBS28.synthetic.exposure
N = 3 prob = 0.05
mu = 7171.67
size = 13.76
p−value = 0.229
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS28.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 7119.75
size = 12.1
p−value = 0.229
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Eso−AdenoCA.SBS28.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 7205.16
size = 10.43
p−value = 0.229
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

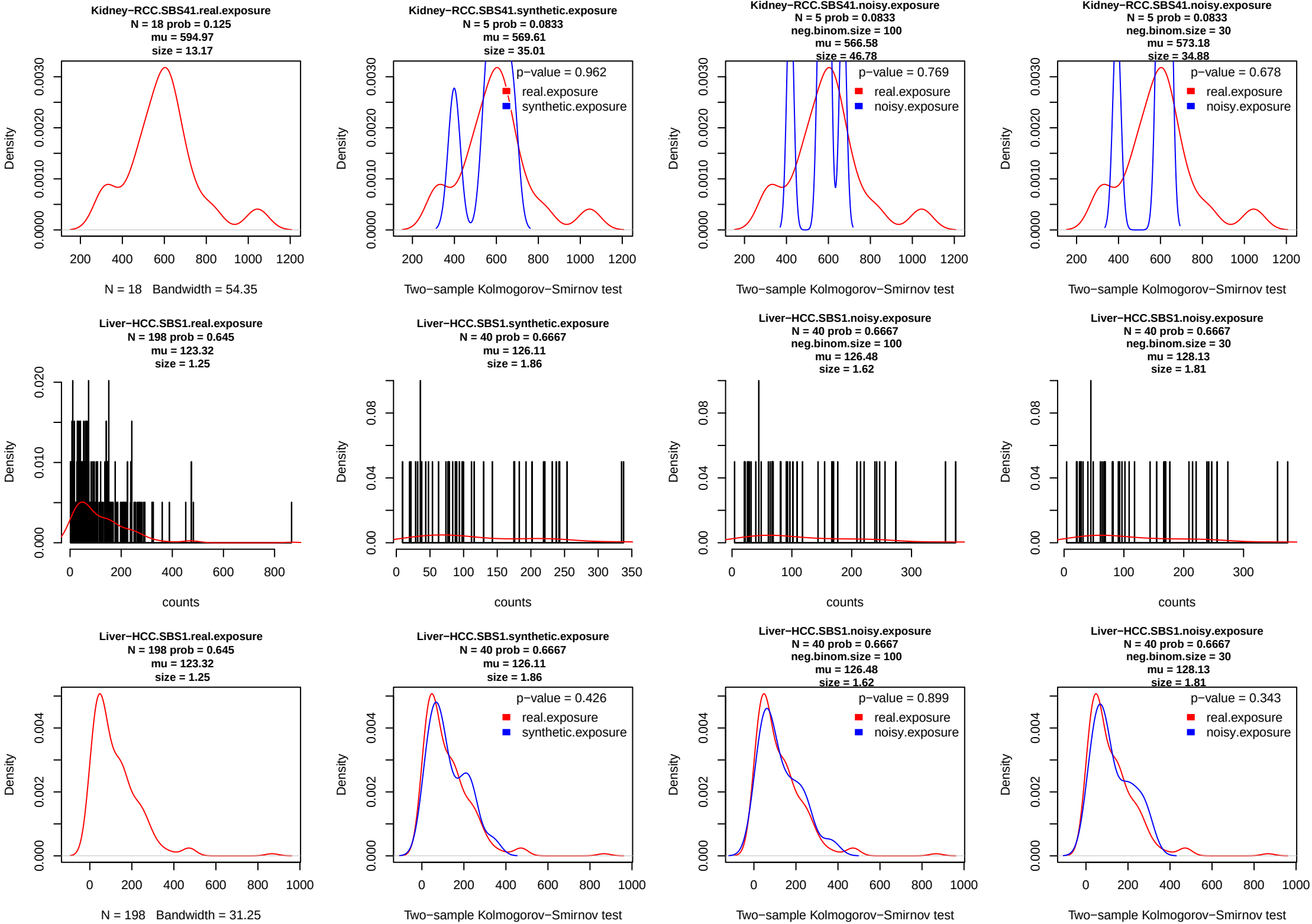

Eso−AdenoCA.SBS40.real.exposure
N = 55 prob = 0.567
mu = 9396.26
size = 2.9
Eso−AdenoCA.SBS40.synthetic.exposure
N = 33 prob = 0.55
mu = 8409.56
size = 3.32
Eso−AdenoCA.SBS40.noisy.exposure
N = 33 prob = 0.55
neg.binom.size = 100
mu = 8420.6
size = 3.3
Eso−AdenoCA.SBS40.noisy.exposure
N = 33 prob = 0.55
neg.binom.size = 30
mu = 8406.68
size = 3.33
Density
counts
N = 55 Bandwidth = 1955
p−value = 0.416
real.exposure
synthetic.exposure
p−value = 0.499
noisy.exposure
p−value = 0.307
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS1.real.exposure
N = 144 prob = 1
mu = 314.02
size = 2.44
Kidney−RCC.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 391.69
size = 1.74
Kidney−RCC.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 384.23
size = 1.71
Kidney−RCC.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 397.05
size = 1.61

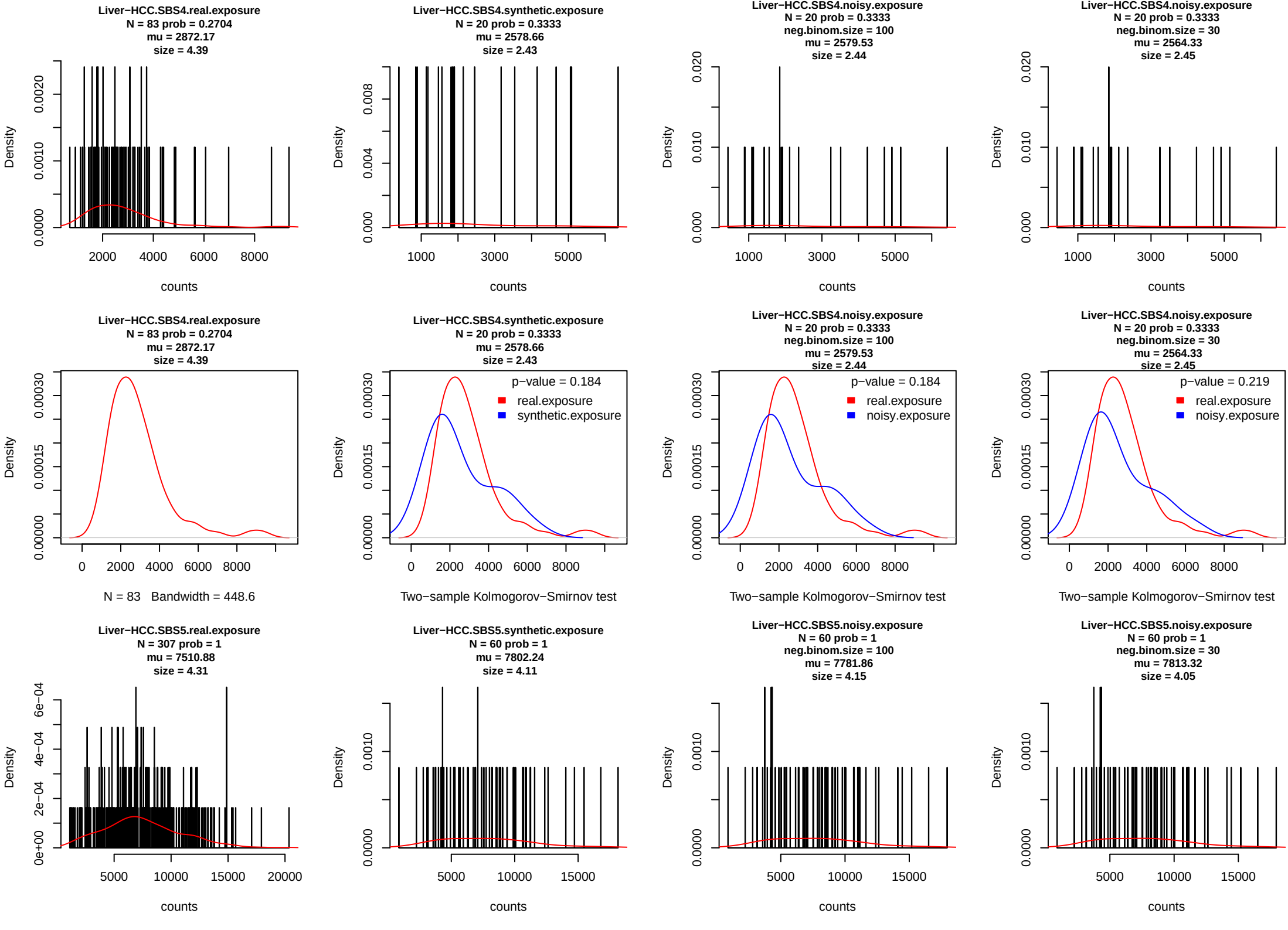

Kidney−RCC.SBS1.real.exposure
N = 144 prob = 1
mu = 314.02
size = 2.44
Density
N = 144 Bandwidth = 45.99
Kidney−RCC.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 391.69
size = 1.74
p−value = 0.296
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 384.23
size = 1.71
p−value = 0.308
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 397.05
size = 1.61
p−value = 0.346
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS2.real.exposure
N = 6 prob = 0.0417
mu = 198.7
size = 0.81
counts
Kidney−RCC.SBS2.synthetic.exposure
N = 1 prob = 0.0167
mu = 17
size = 0.59
Kidney−RCC.SBS2.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 18
size = 0.59
Kidney−RCC.SBS2.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 18
size = 0.59
Kidney−RCC.SBS2.real.exposure
N = 6 prob = 0.0417
mu = 198.7
size = 0.81
N = 6 Bandwidth = 70.76
Kidney−RCC.SBS2.synthetic.exposure
N = 1 prob = 0.0167
mu = 17
size = 0.59
p−value = 0.571
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS2.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 18
size = 0.59
p−value = 0.571
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS2.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 18
size = 0.59
p−value = 0.571
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

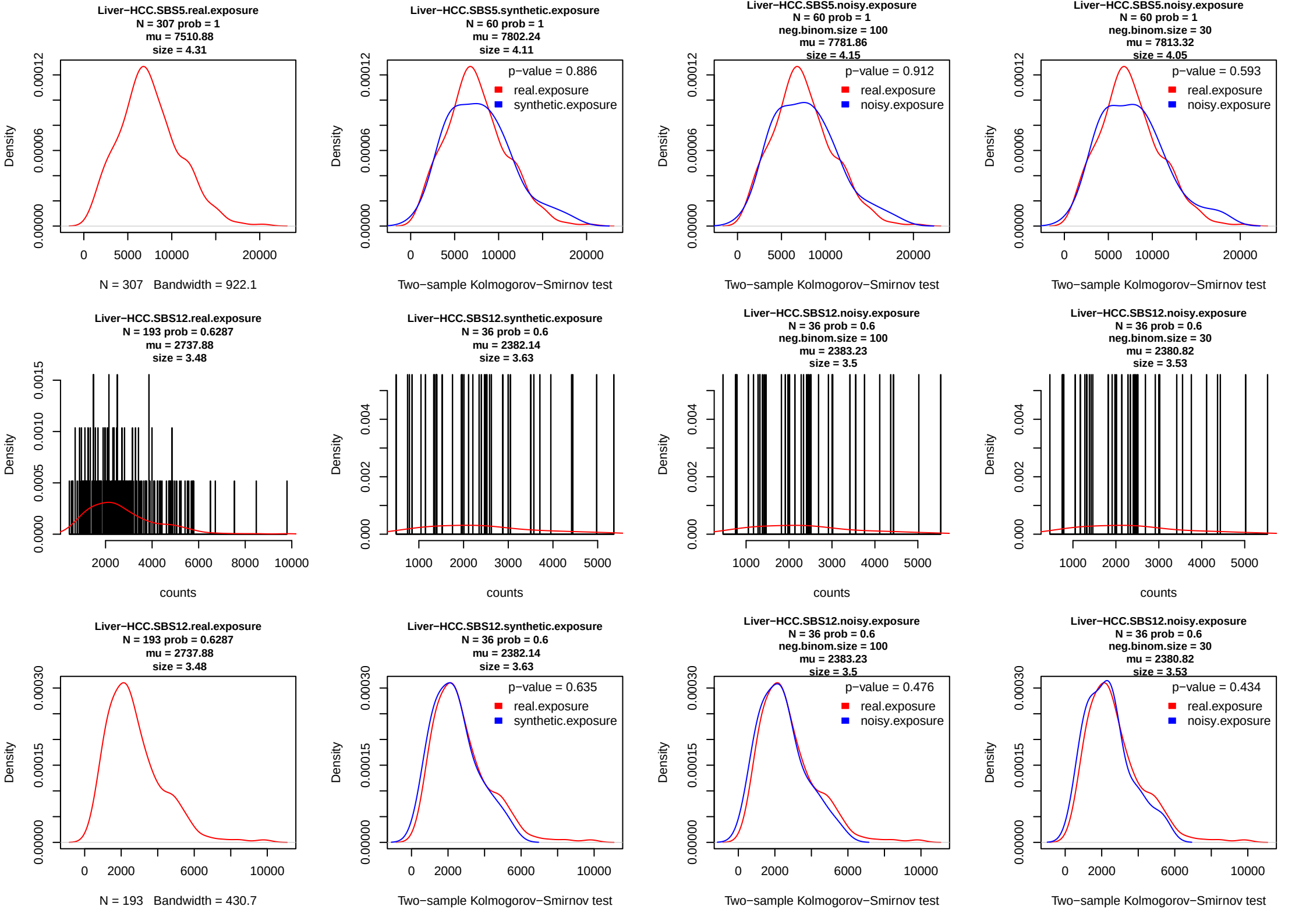

Kidney−RCC.SBS5.real.exposure
N = 135 prob = 0.9375
mu = 1084.22
size = 1.33
Kidney−RCC.SBS5.synthetic.exposure
N = 55 prob = 0.9167
mu = 1434.17
size = 0.91
Kidney−RCC.SBS5.noisy.exposure
N = 55 prob = 0.9167
neg.binom.size = 100
mu = 1435.2
size = 0.92
Kidney−RCC.SBS5.noisy.exposure
N = 55 prob = 0.9167
neg.binom.size = 30
mu = 1438.34
size = 0.9
Density
counts
N = 135 Bandwidth = 169.6
p−value = 0.096
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS13.real.exposure
N = 5 prob = 0.0347
mu = 206
size = 1.62
Kidney−RCC.SBS13.synthetic.exposure
N = 3 prob = 0.05
mu = 280.98
size = 1.84
Kidney−RCC.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 268.3
size = 1.94
Kidney−RCC.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 294.28
size = 2.18

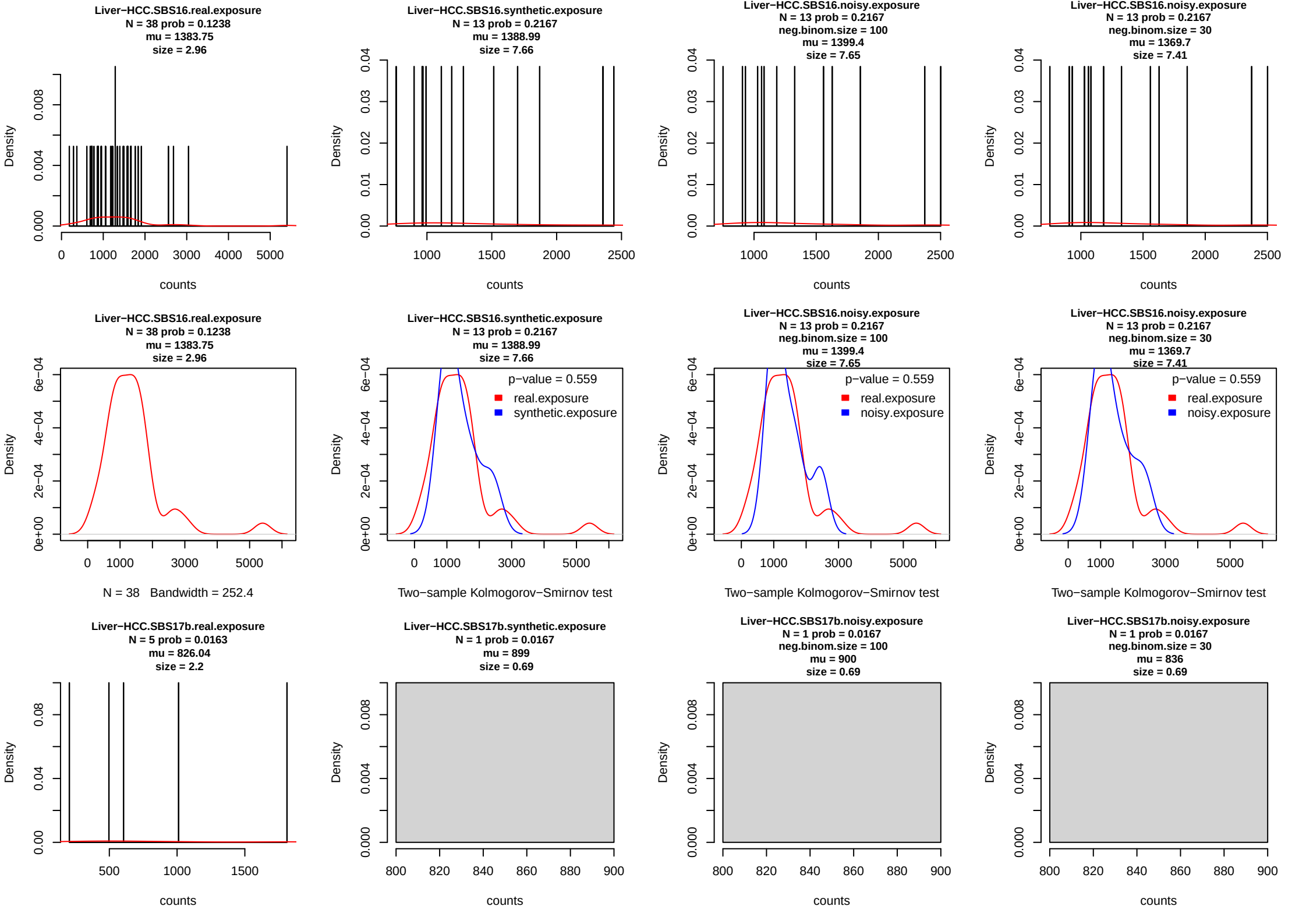

Kidney−RCC.SBS13.real.exposure
N = 5 prob = 0.0347
mu = 206
size = 1.62
Density
N = 5 Bandwidth = 69.12
Kidney−RCC.SBS13.synthetic.exposure
N = 3 prob = 0.05
mu = 280.98
size = 1.84
p−value = 0.964
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 268.3
size = 1.94
p−value = 0.964
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 294.28
size = 2.18
p−value = 0.679
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS22.real.exposure
N = 7 prob = 0.0486
mu = 11224.53
size = 1.18
counts
Kidney−RCC.SBS22.synthetic.exposure
N = 1 prob = 0.0167
mu = 4158
size = 0.87
Kidney−RCC.SBS22.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 4050
size = 0.87
Kidney−RCC.SBS22.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 4201
size = 0.87
Kidney−RCC.SBS22.real.exposure
N = 7 prob = 0.0486
mu = 11224.53
size = 1.18
N = 7 Bandwidth = 4937
Kidney−RCC.SBS22.synthetic.exposure
N = 1 prob = 0.0167
mu = 4158
size = 0.87
p−value = 0.75
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS22.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 4050
size = 0.87
p−value = 0.75
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS22.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 4201
size = 0.87
p−value = 0.75
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

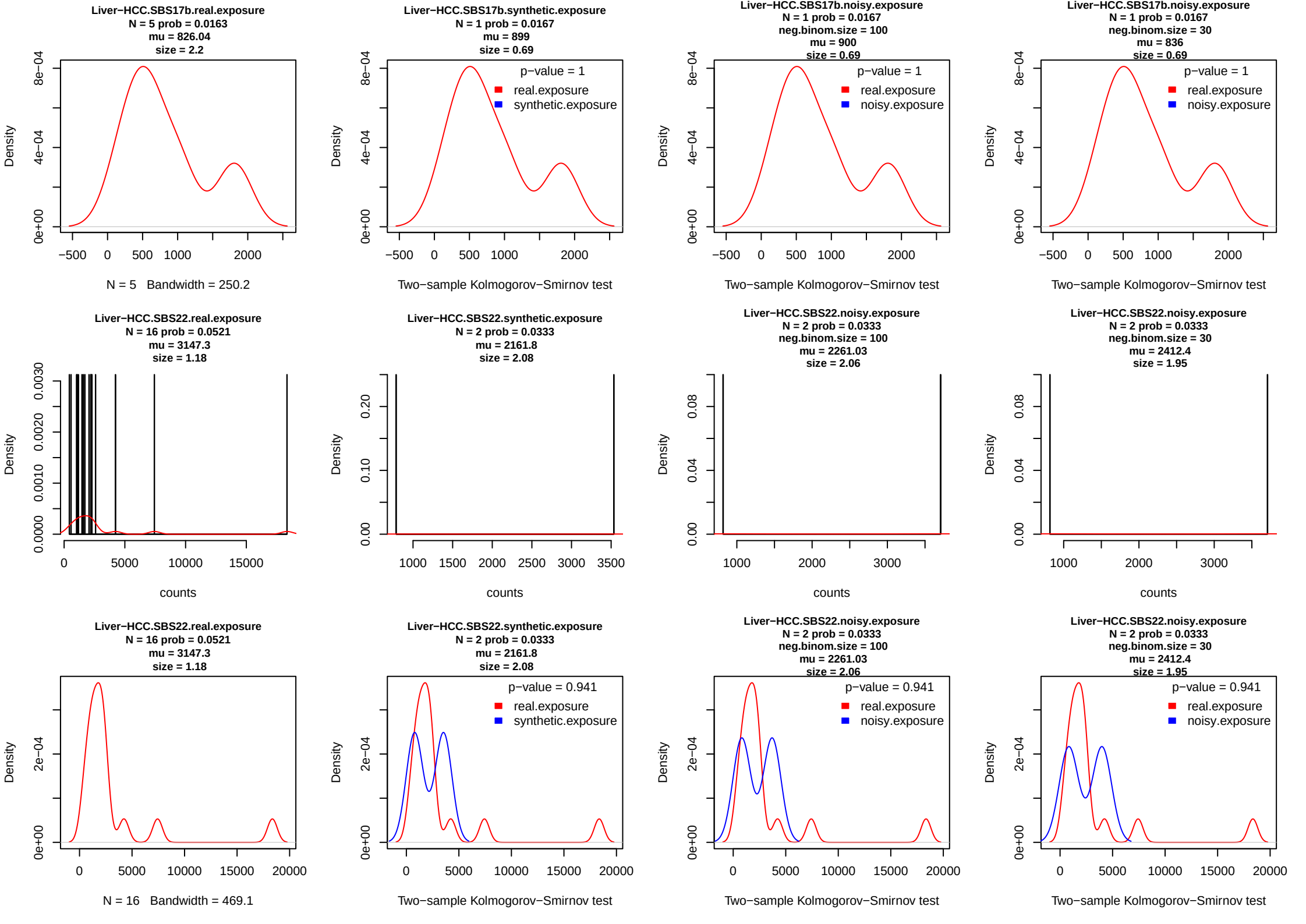

Kidney−RCC.SBS40.real.exposure
N = 141 prob = 0.9792
mu = 4358.02
size = 4.8
Kidney−RCC.SBS40.synthetic.exposure
N = 59 prob = 0.9833
mu = 4271.47
size = 4.28
Kidney−RCC.SBS40.noisy.exposure
N = 59 prob = 0.9833
neg.binom.size = 100
mu = 4265.77
size = 4.34
Kidney−RCC.SBS40.noisy.exposure
N = 59 prob = 0.9833
neg.binom.size = 30
mu = 4264.96
size = 4.34
Density
counts
N = 141 Bandwidth = 630.8
p−value = 0.716
real.exposure
synthetic.exposure
p−value = 0.535
noisy.exposure
p−value = 0.607
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS41.real.exposure
N = 18 prob = 0.125
mu = 594.97
size = 13.17
Kidney−RCC.SBS41.synthetic.exposure
N = 5 prob = 0.0833
mu = 569.61
size = 35.01
Kidney−RCC.SBS41.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 100
mu = 566.58
size = 46.78
Kidney−RCC.SBS41.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 30
mu = 573.18
size = 34.88

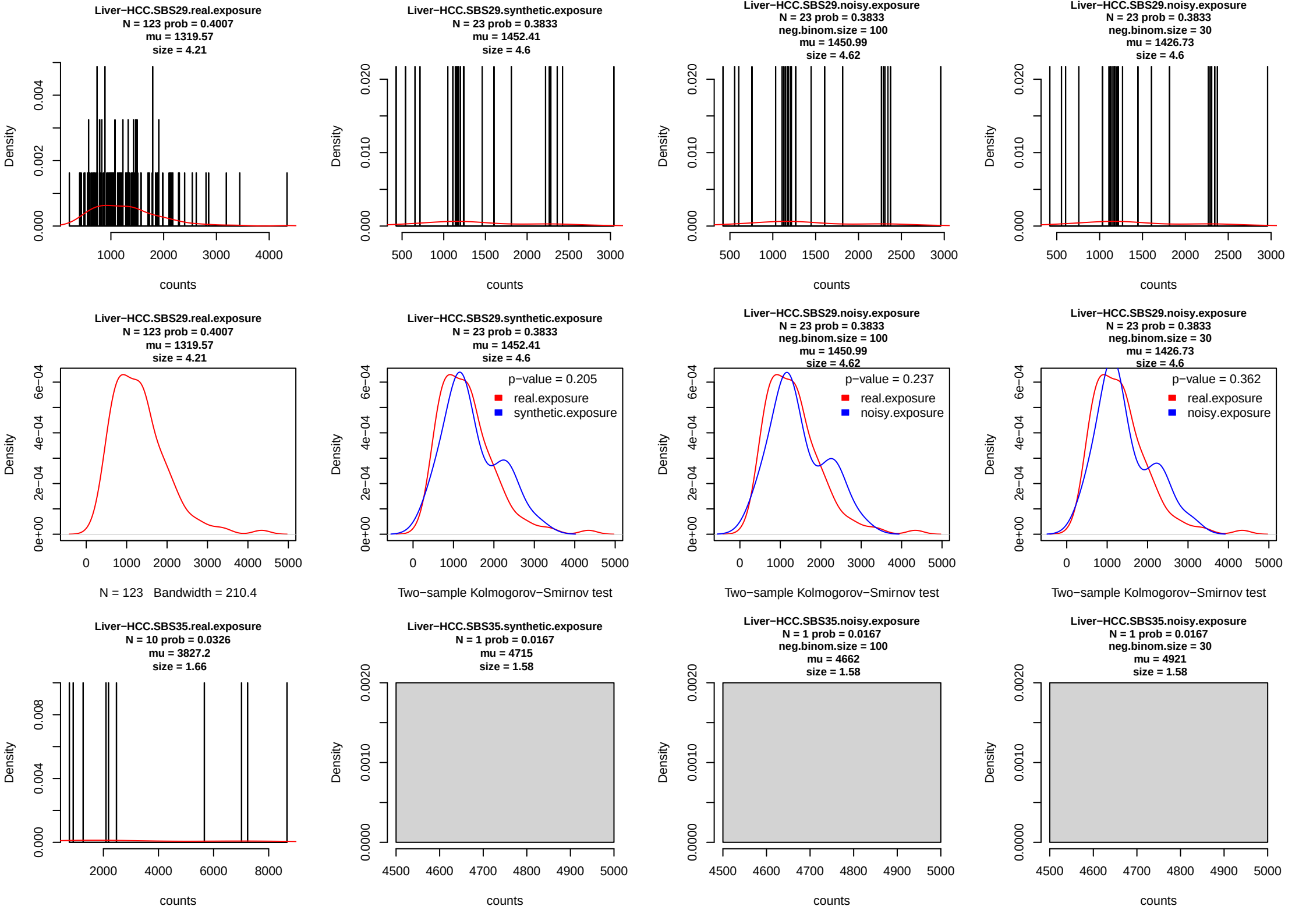

Kidney−RCC.SBS41.real.exposure
N = 18 prob = 0.125
mu = 594.97
size = 13.17
Density
N = 18 Bandwidth = 54.35
Kidney−RCC.SBS41.synthetic.exposure
N = 5 prob = 0.0833
mu = 569.61
size = 35.01
p−value = 0.962
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS41.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 100
mu = 566.58
size = 46.78
p−value = 0.769
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Kidney−RCC.SBS41.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 30
mu = 573.18
size = 34.88
p−value = 0.678
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS1.real.exposure
N = 198 prob = 0.645
mu = 123.32
size = 1.25
counts
Liver−HCC.SBS1.synthetic.exposure
N = 40 prob = 0.6667
mu = 126.11
size = 1.86
Liver−HCC.SBS1.noisy.exposure
N = 40 prob = 0.6667
neg.binom.size = 100
mu = 126.48
size = 1.62
Liver−HCC.SBS1.noisy.exposure
N = 40 prob = 0.6667
neg.binom.size = 30
mu = 128.13
size = 1.81
Liver−HCC.SBS1.real.exposure
N = 198 prob = 0.645
mu = 123.32
size = 1.25
N = 198 Bandwidth = 31.25
Liver−HCC.SBS1.synthetic.exposure
N = 40 prob = 0.6667
mu = 126.11
size = 1.86
p−value = 0.426
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS1.noisy.exposure
N = 40 prob = 0.6667
neg.binom.size = 100
mu = 126.48
size = 1.62
p−value = 0.899
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS1.noisy.exposure
N = 40 prob = 0.6667
neg.binom.size = 30
mu = 128.13
size = 1.81
p−value = 0.343
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

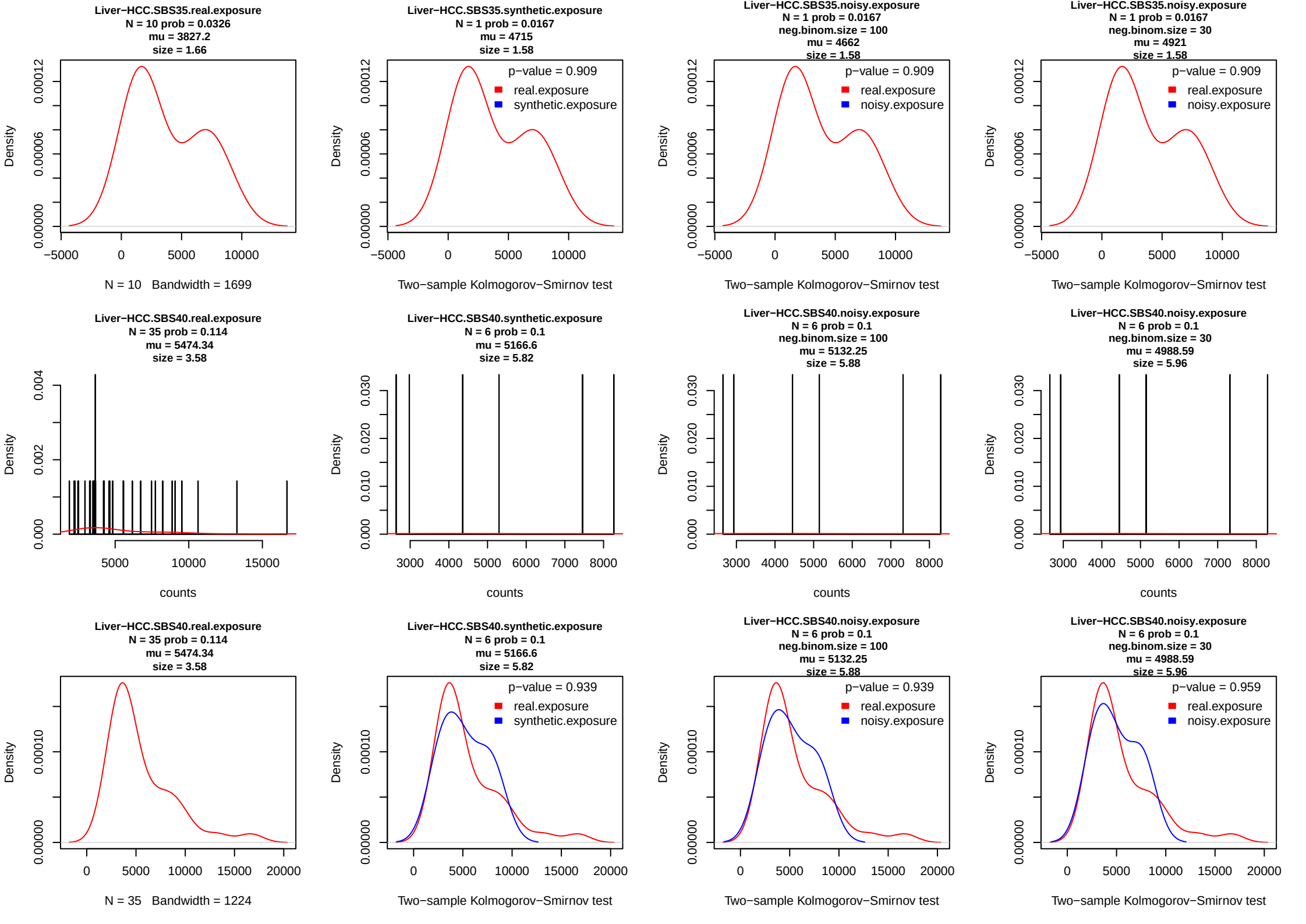

Liver−HCC.SBS4.real.exposure
N = 83 prob = 0.2704
mu = 2872.17
size = 4.39
Liver−HCC.SBS4.synthetic.exposure
N = 20 prob = 0.3333
mu = 2578.66
size = 2.43
Liver−HCC.SBS4.noisy.exposure
N = 20 prob = 0.3333
neg.binom.size = 100
mu = 2579.53
size = 2.44
Liver−HCC.SBS4.noisy.exposure
N = 20 prob = 0.3333
neg.binom.size = 30
mu = 2564.33
size = 2.45
Density
counts
N = 83 Bandwidth = 448.6
p−value = 0.184
real.exposure
synthetic.exposure
noisy.exposure
p−value = 0.219
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS5.real.exposure
N = 307 prob = 1
mu = 7510.88
size = 4.31
Liver−HCC.SBS5.synthetic.exposure
N = 60 prob = 1
mu = 7802.24
size = 4.11
Liver−HCC.SBS5.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 7781.86
size = 4.15
Liver−HCC.SBS5.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 7813.32
size = 4.05

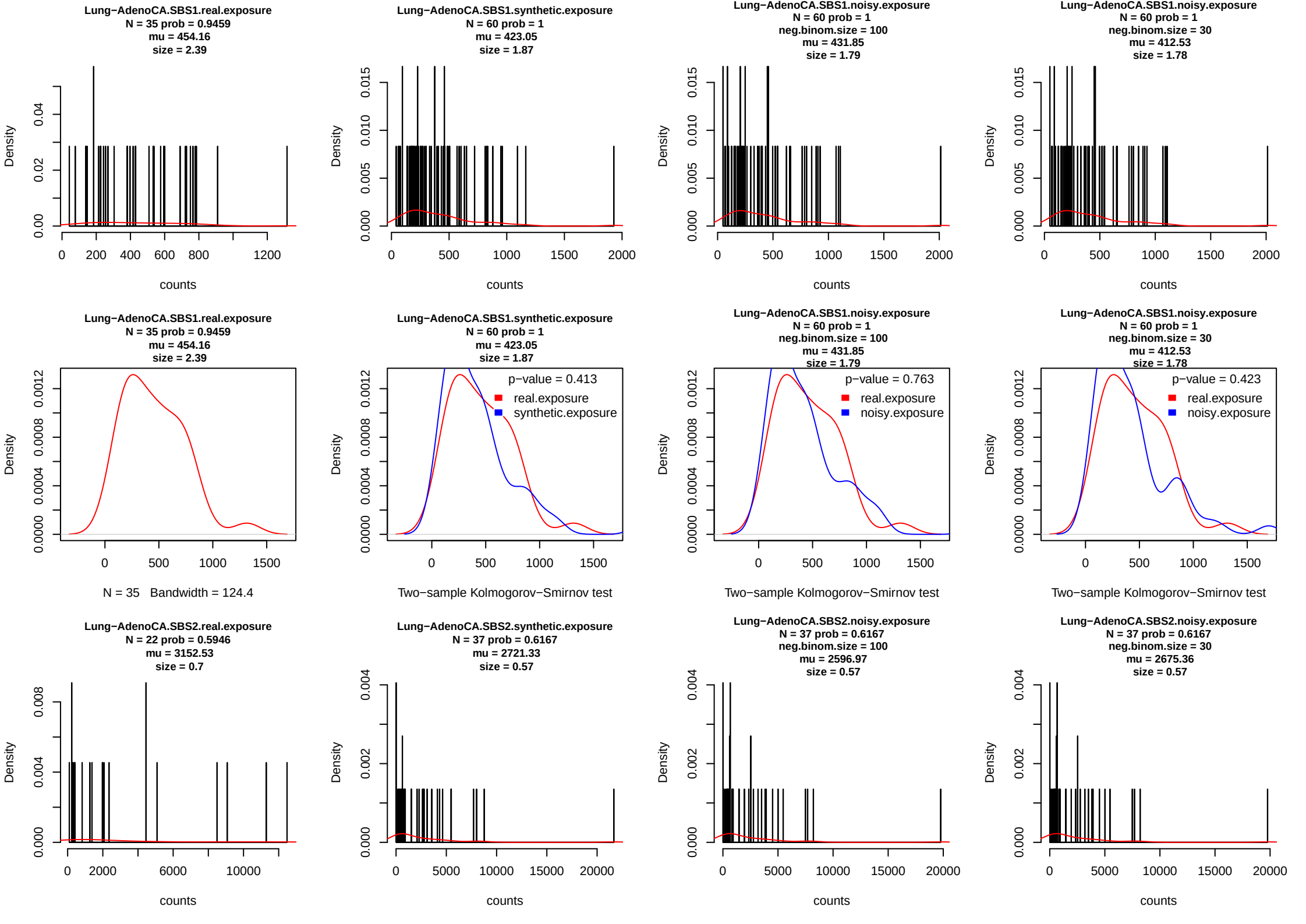

Liver−HCC.SBS5.real.exposure
N = 307 prob = 1
mu = 7510.88
size = 4.31
Density
N = 307 Bandwidth = 922.1
Liver−HCC.SBS5.synthetic.exposure
N = 60 prob = 1
mu = 7802.24
size = 4.11
p−value = 0.886
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS5.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 7781.86
size = 4.15
p−value = 0.912
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS5.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 7813.32
size = 4.05
p−value = 0.593
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS12.real.exposure
N = 193 prob = 0.6287
mu = 2737.88
size = 3.48
counts
Liver−HCC.SBS12.synthetic.exposure
N = 36 prob = 0.6
mu = 2382.14
size = 3.63
Liver−HCC.SBS12.noisy.exposure
N = 36 prob = 0.6
neg.binom.size = 100
mu = 2383.23
size = 3.5
Liver−HCC.SBS12.noisy.exposure
N = 36 prob = 0.6
neg.binom.size = 30
mu = 2380.82
size = 3.53
Liver−HCC.SBS12.real.exposure
N = 193 prob = 0.6287
mu = 2737.88
size = 3.48
N = 193 Bandwidth = 430.7
Liver−HCC.SBS12.synthetic.exposure
N = 36 prob = 0.6
mu = 2382.14
size = 3.63
p−value = 0.635
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS12.noisy.exposure
N = 36 prob = 0.6
neg.binom.size = 100
mu = 2383.23
size = 3.5
p−value = 0.476
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS12.noisy.exposure
N = 36 prob = 0.6
neg.binom.size = 30
mu = 2380.82
size = 3.53
p−value = 0.434
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

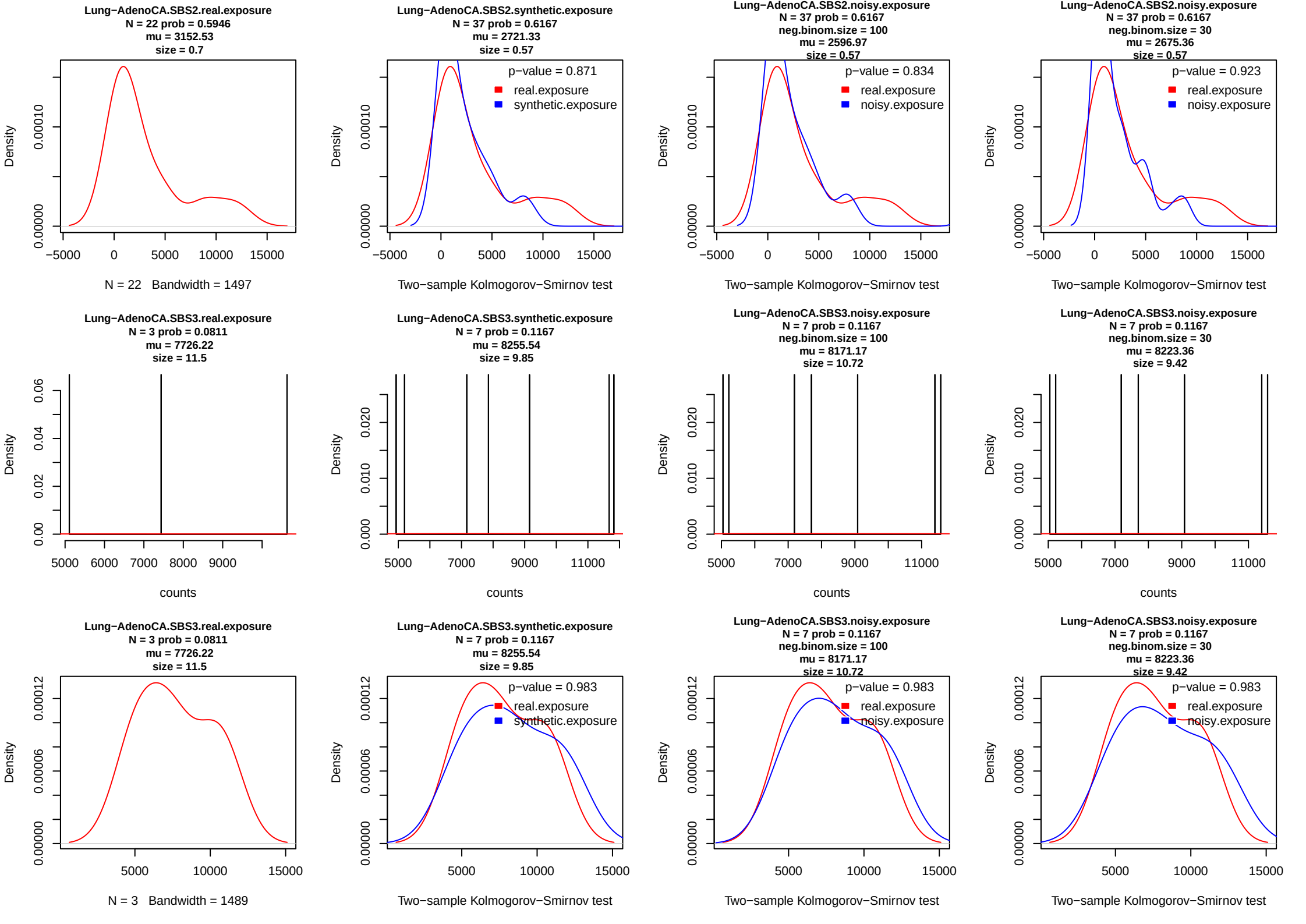

Liver−HCC.SBS16.real.exposure
N = 38 prob = 0.1238
mu = 1383.75
size = 2.96
Liver−HCC.SBS16.synthetic.exposure
N = 13 prob = 0.2167
mu = 1388.99
size = 7.66
Liver−HCC.SBS16.noisy.exposure
N = 13 prob = 0.2167
neg.binom.size = 100
mu = 1399.4
size = 7.65
Liver−HCC.SBS16.noisy.exposure
N = 13 prob = 0.2167
neg.binom.size = 30
mu = 1369.7
size = 7.41
Density
counts
N = 38 Bandwidth = 252.4
p−value = 0.559
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS17b.real.exposure
N = 5 prob = 0.0163
mu = 826.04
size = 2.2
Liver−HCC.SBS17b.synthetic.exposure
N = 1 prob = 0.0167
mu = 899
size = 0.69
Liver−HCC.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 900
size = 0.69
Liver−HCC.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 836
size = 0.69

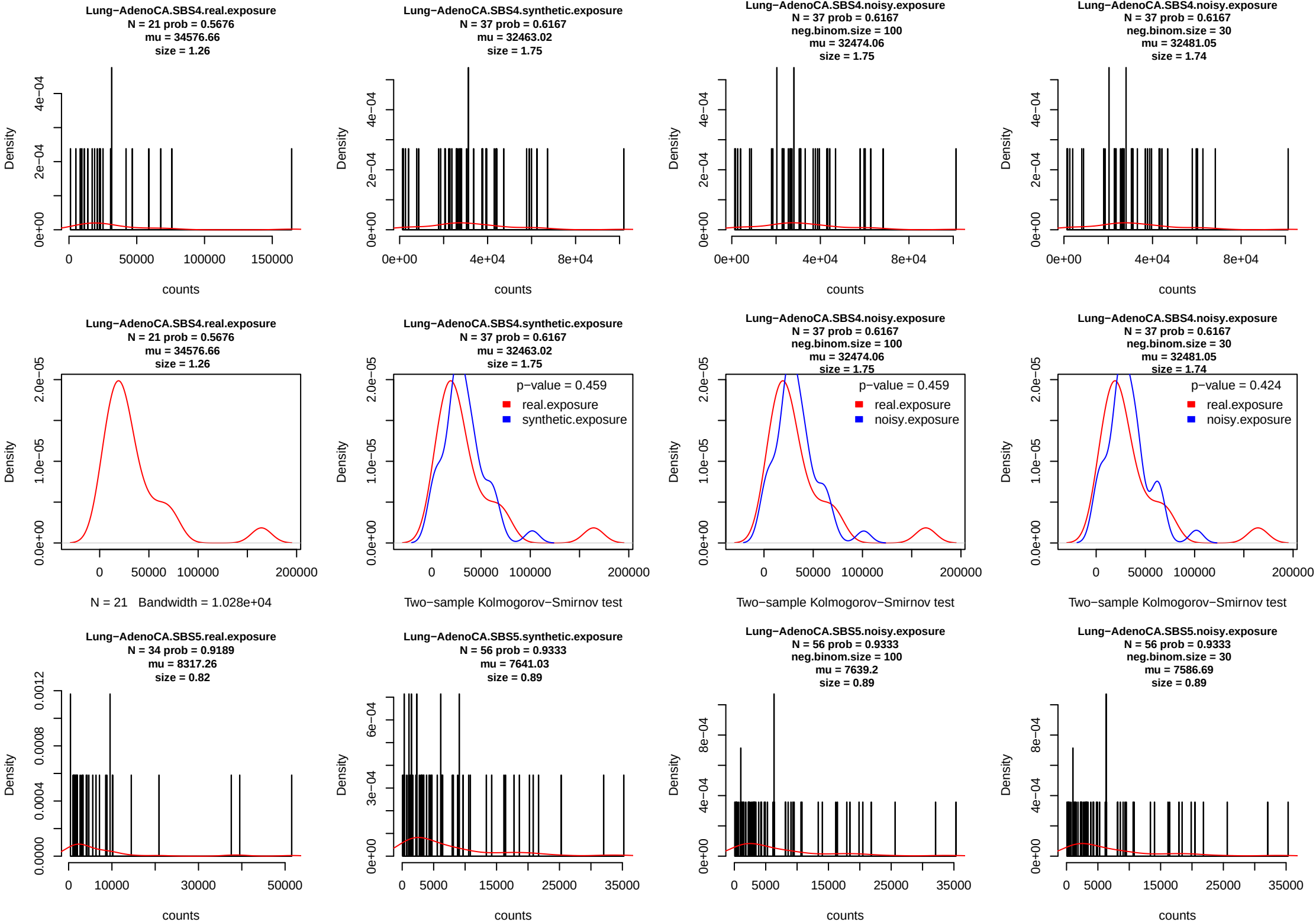

Liver−HCC.SBS17b.real.exposure
N = 5 prob = 0.0163
mu = 826.04
size = 2.2
Density
N = 5 Bandwidth = 250.2
Liver−HCC.SBS17b.synthetic.exposure
N = 1 prob = 0.0167
mu = 899
size = 0.69
p−value = 1
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 900
size = 0.69
p−value = 1
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS17b.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 836
size = 0.69
p−value = 1
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS22.real.exposure
N = 16 prob = 0.0521
mu = 3147.3
size = 1.18
counts
Liver−HCC.SBS22.synthetic.exposure
N = 2 prob = 0.0333
mu = 2161.8
size = 2.08
counts
Liver−HCC.SBS22.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 100
mu = 2261.03
size = 2.06
counts
Liver−HCC.SBS22.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 30
mu = 2412.4
size = 1.95
counts
Liver−HCC.SBS22.real.exposure
N = 16 prob = 0.0521
mu = 3147.3
size = 1.18
N = 16 Bandwidth = 469.1
Liver−HCC.SBS22.synthetic.exposure
N = 2 prob = 0.0333
mu = 2161.8
size = 2.08
p−value = 0.941
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS22.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 100
mu = 2261.03
size = 2.06
p−value = 0.941
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS22.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 30
mu = 2412.4
size = 1.95
p−value = 0.941
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

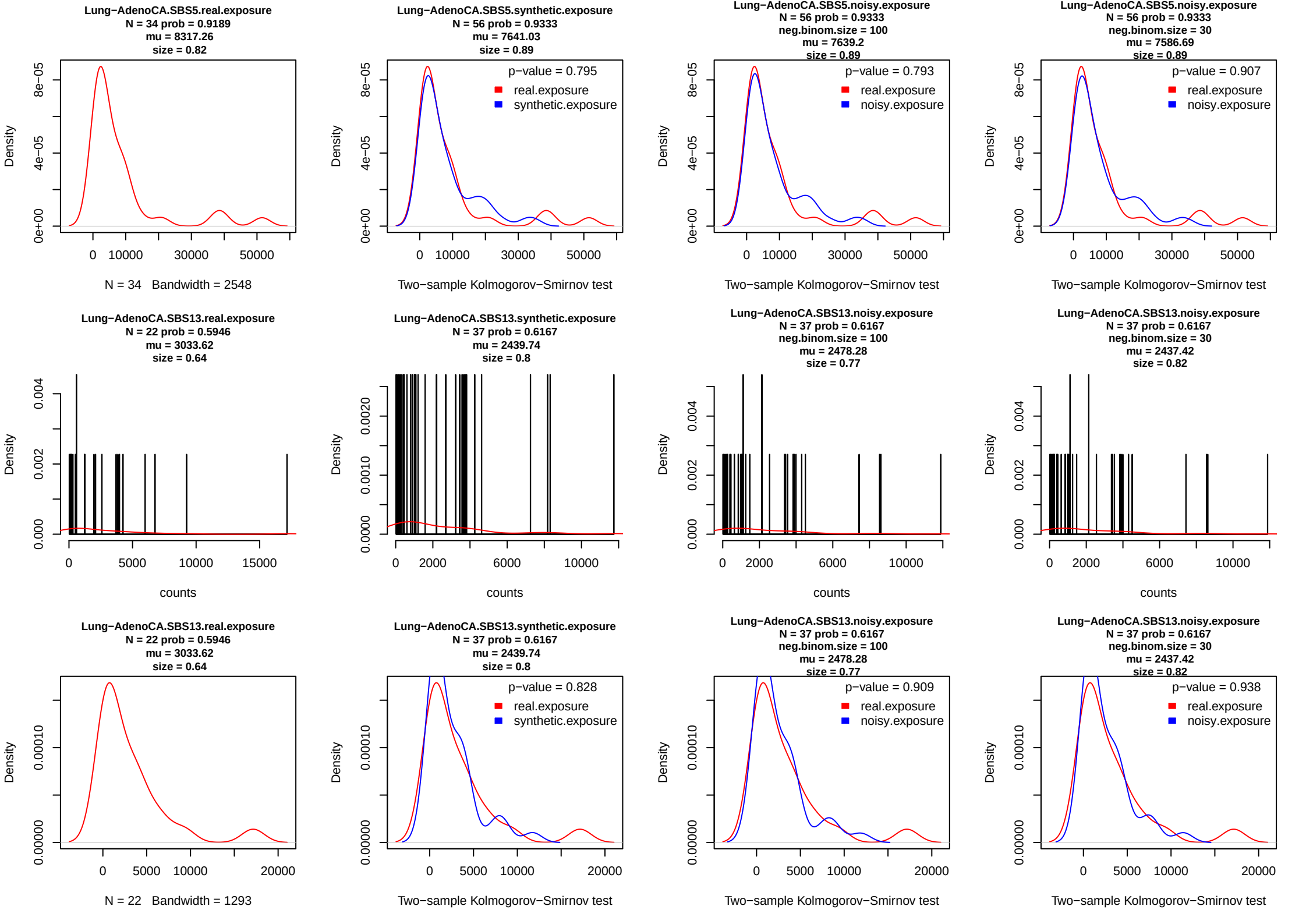

Liver−HCC.SBS29.real.exposure
N = 123 prob = 0.4007
mu = 1319.57
size = 4.21
Liver−HCC.SBS29.synthetic.exposure
N = 23 prob = 0.3833
mu = 1452.41
size = 4.6
Liver−HCC.SBS29.noisy.exposure
N = 23 prob = 0.3833
neg.binom.size = 100
mu = 1450.99
size = 4.62
Liver−HCC.SBS29.noisy.exposure
N = 23 prob = 0.3833
neg.binom.size = 30
mu = 1426.73
size = 4.6
Density
counts
N = 123 Bandwidth = 210.4
p−value = 0.205
real.exposure
synthetic.exposure
p−value = 0.237
noisy.exposure
p−value = 0.362
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS35.real.exposure
N = 10 prob = 0.0326
mu = 3827.2
size = 1.66
Liver−HCC.SBS35.synthetic.exposure
N = 1 prob = 0.0167
mu = 4715
size = 1.58
Liver−HCC.SBS35.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 4662
size = 1.58
Liver−HCC.SBS35.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 4921
size = 1.58

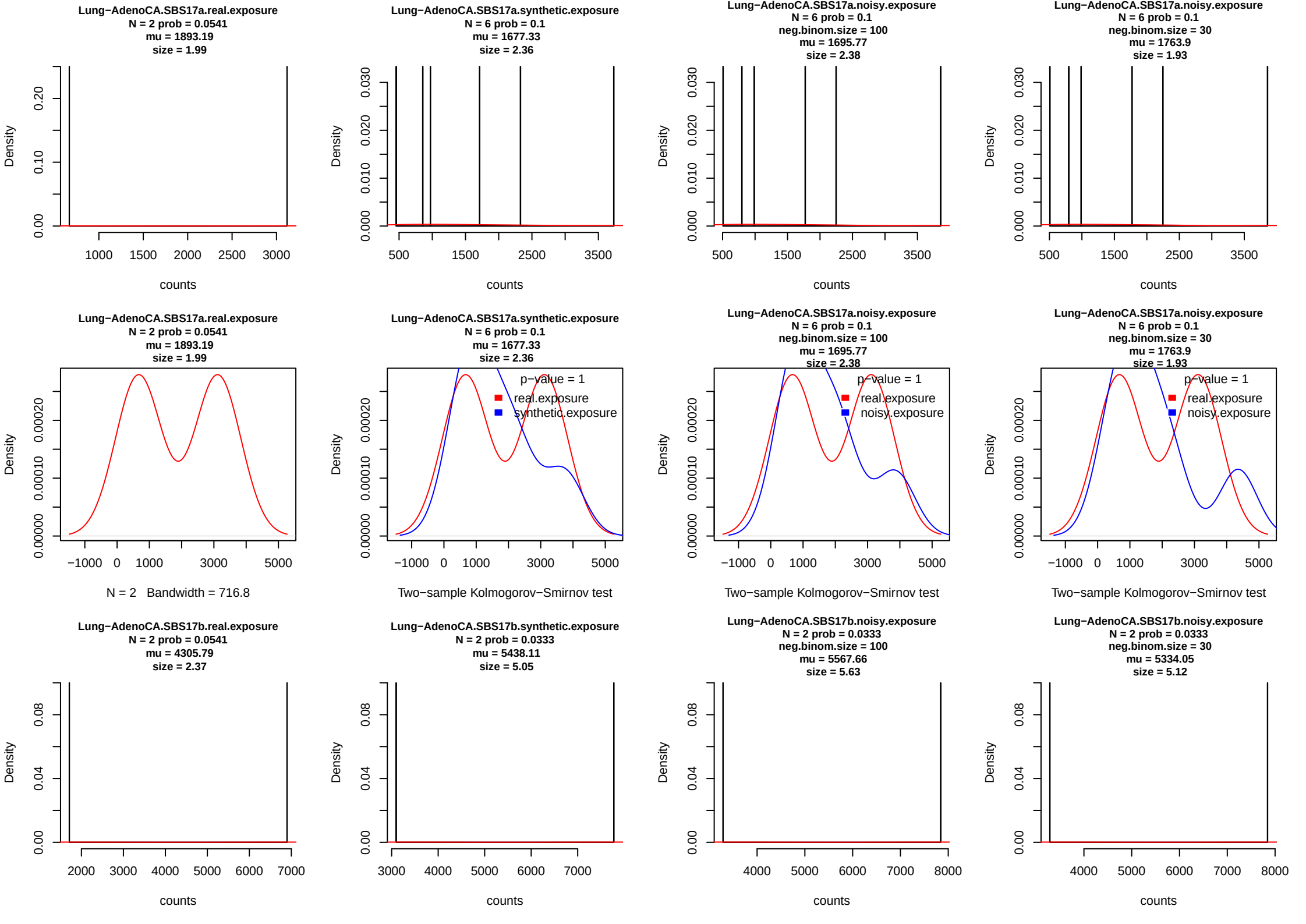

Liver−HCC.SBS35.real.exposure
N = 10 prob = 0.0326
mu = 3827.2
size = 1.66
Density
N = 10 Bandwidth = 1699
Liver−HCC.SBS35.synthetic.exposure
N = 1 prob = 0.0167
mu = 4715
size = 1.58
p−value = 0.909
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS35.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 4662
size = 1.58
p−value = 0.909
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS35.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 4921
size = 1.58
p−value = 0.909
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS40.real.exposure
N = 35 prob = 0.114
mu = 5474.34
size = 3.58
counts
Liver−HCC.SBS40.synthetic.exposure
N = 6 prob = 0.1
mu = 5166.6
size = 5.82
Liver−HCC.SBS40.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 100
mu = 5132.25
size = 5.88
Liver−HCC.SBS40.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 30
mu = 4988.59
size = 5.96
Liver−HCC.SBS40.real.exposure
N = 35 prob = 0.114
mu = 5474.34
size = 3.58
N = 35 Bandwidth = 1224
Liver−HCC.SBS40.synthetic.exposure
N = 6 prob = 0.1
mu = 5166.6
size = 5.82
p−value = 0.939
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS40.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 100
mu = 5132.25
size = 5.88
p−value = 0.939
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Liver−HCC.SBS40.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 30
mu = 4988.59
size = 5.96
p−value = 0.959
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

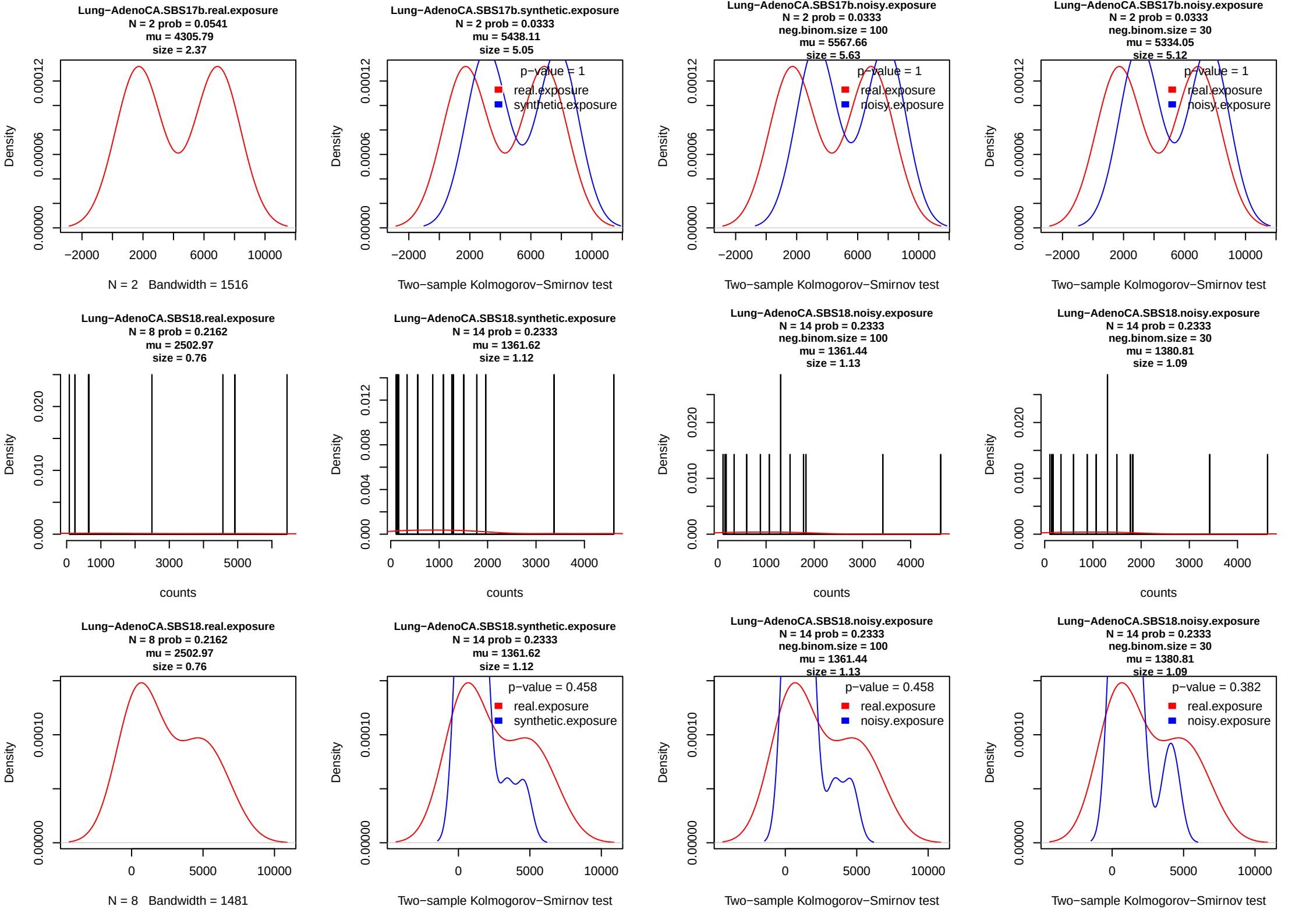

Lung−AdenoCA.SBS1.real.exposure
N = 35 prob = 0.9459
mu = 454.16
size = 2.39
Lung−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 423.05
size = 1.87
Lung−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 431.85
size = 1.79
Lung−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 412.53
size = 1.78
Density
counts
N = 35 Bandwidth = 124.4
p−value = 0.413
real.exposure
synthetic.exposure
p−value = 0.763
noisy.exposure
p−value = 0.423
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS2.real.exposure
N = 22 prob = 0.5946
mu = 3152.53
size = 0.7
Lung−AdenoCA.SBS2.synthetic.exposure
N = 37 prob = 0.6167
mu = 2721.33
size = 0.57
Lung−AdenoCA.SBS2.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 100
mu = 2596.97
size = 0.57
Lung−AdenoCA.SBS2.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 30
mu = 2675.36
size = 0.57

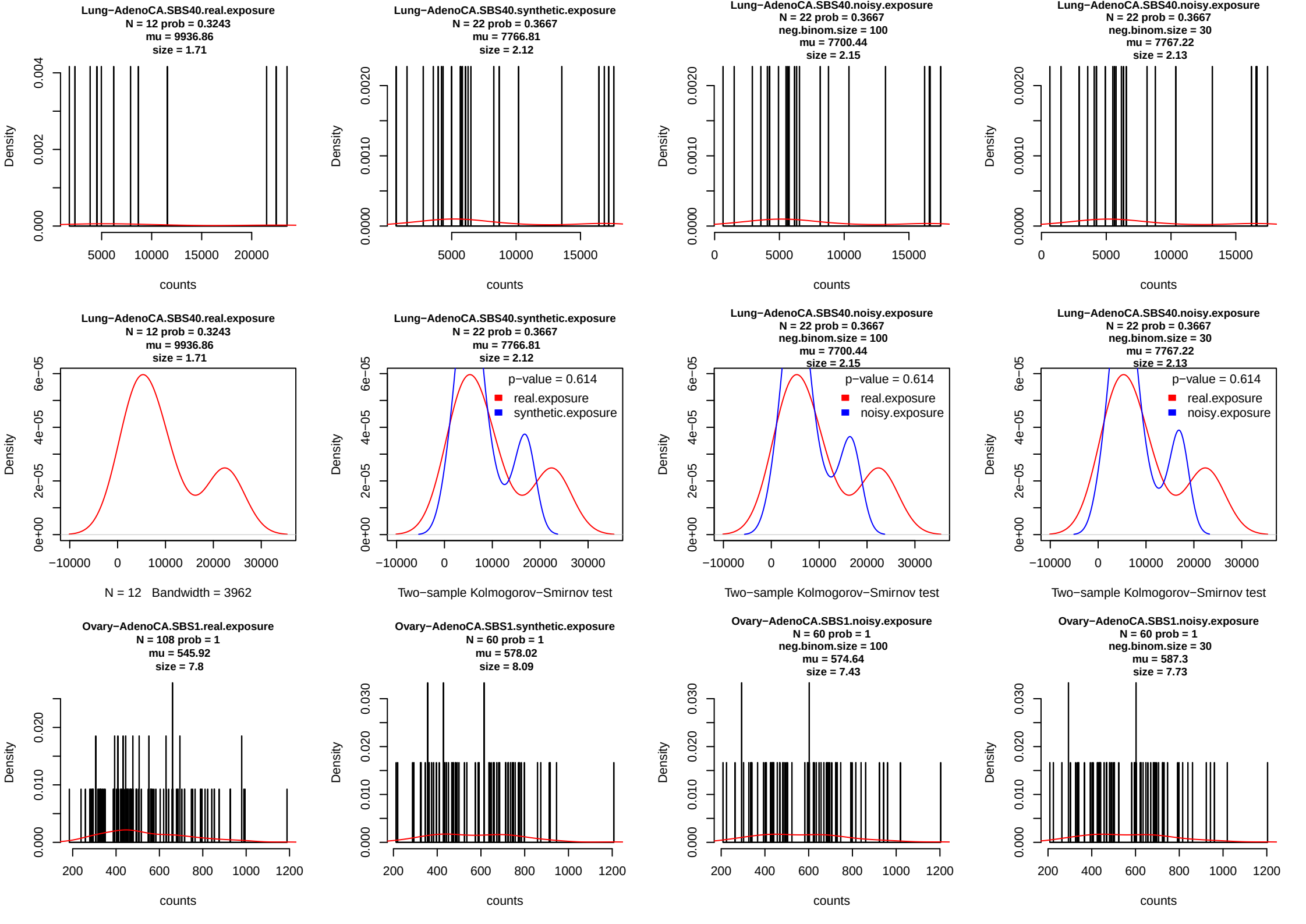

Lung−AdenoCA.SBS2.real.exposure
N = 22 prob = 0.5946
mu = 3152.53
size = 0.7
Density
N = 22 Bandwidth = 1497
Lung−AdenoCA.SBS2.synthetic.exposure
N = 37 prob = 0.6167
mu = 2721.33
size = 0.57
p−value = 0.871
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS2.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 100
mu = 2596.97
size = 0.57
p−value = 0.834
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS2.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 30
mu = 2675.36
size = 0.57
p−value = 0.923
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS3.real.exposure
N = 3 prob = 0.0811
mu = 7726.22
size = 11.5
Lung−AdenoCA.SBS3.synthetic.exposure
N = 7 prob = 0.1167
mu = 8255.54
size = 9.85
Lung−AdenoCA.SBS3.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 100
mu = 8171.17
size = 10.72
Lung−AdenoCA.SBS3.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 30
mu = 8223.36
size = 9.42
counts
Lung−AdenoCA.SBS3.real.exposure
N = 3 prob = 0.0811
mu = 7726.22
size = 11.5
N = 3 Bandwidth = 1489
Lung−AdenoCA.SBS3.synthetic.exposure
N = 7 prob = 0.1167
mu = 8255.54
size = 9.85
p−value = 0.983
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS3.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 100
mu = 8171.17
size = 10.72
p−value = 0.983
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS3.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 30
mu = 8223.36
size = 9.42
p−value = 0.983
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

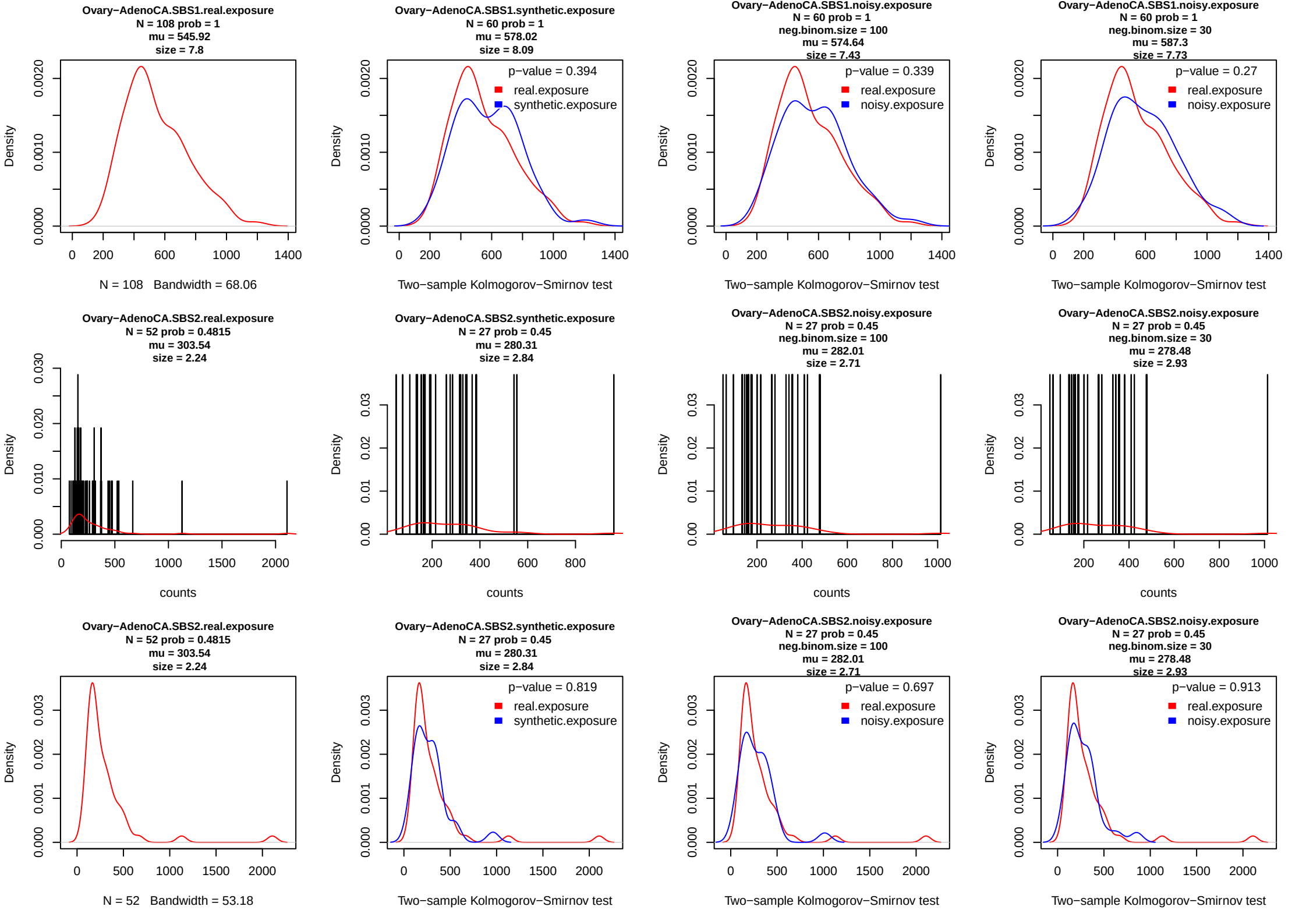

Lung−AdenoCA.SBS4.real.exposure
N = 21 prob = 0.5676
mu = 34576.66
size = 1.26
Lung−AdenoCA.SBS4.synthetic.exposure
N = 37 prob = 0.6167
mu = 32463.02
size = 1.75
Lung−AdenoCA.SBS4.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 100
mu = 32474.06
size = 1.75
Lung−AdenoCA.SBS4.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 30
mu = 32481.05
size = 1.74
Density
counts
N = 21 Bandwidth = 1.028e+04
p−value = 0.459
real.exposure
synthetic.exposure
noisy.exposure
p−value = 0.424
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS5.real.exposure
N = 34 prob = 0.9189
mu = 8317.26
size = 0.82
Lung−AdenoCA.SBS5.synthetic.exposure
N = 56 prob = 0.9333
mu = 7641.03
size = 0.89
Lung−AdenoCA.SBS5.noisy.exposure
N = 56 prob = 0.9333
neg.binom.size = 100
mu = 7639.2
size = 0.89
Lung−AdenoCA.SBS5.noisy.exposure
N = 56 prob = 0.9333
neg.binom.size = 30
mu = 7586.69
size = 0.89

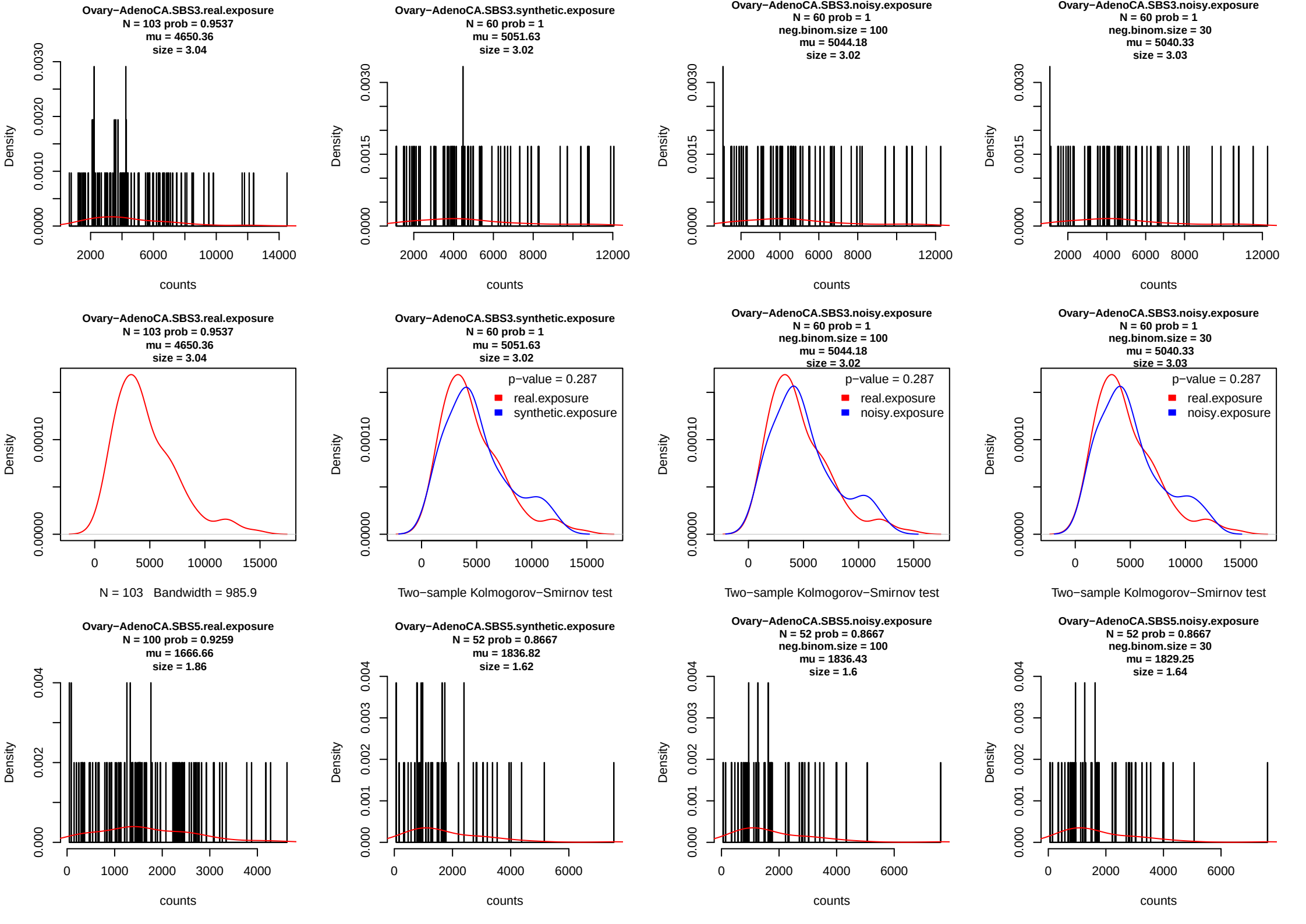

Lung−AdenoCA.SBS5.real.exposure
N = 34 prob = 0.9189
mu = 8317.26
size = 0.82
Density
N = 34 Bandwidth = 2548
Lung−AdenoCA.SBS5.synthetic.exposure
N = 56 prob = 0.9333
mu = 7641.03
size = 0.89
p−value = 0.795
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS5.noisy.exposure
N = 56 prob = 0.9333
neg.binom.size = 100
mu = 7639.2
size = 0.89
p−value = 0.793
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS5.noisy.exposure
N = 56 prob = 0.9333
neg.binom.size = 30
mu = 7586.69
size = 0.89
p−value = 0.907
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS13.real.exposure
N = 22 prob = 0.5946
mu = 3033.62
size = 0.64
counts
Lung−AdenoCA.SBS13.synthetic.exposure
N = 37 prob = 0.6167
mu = 2439.74
size = 0.8
Lung−AdenoCA.SBS13.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 100
mu = 2478.28
size = 0.77
Lung−AdenoCA.SBS13.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 30
mu = 2437.42
size = 0.82
Lung−AdenoCA.SBS13.real.exposure
N = 22 prob = 0.5946
mu = 3033.62
size = 0.64
N = 22 Bandwidth = 1293
Lung−AdenoCA.SBS13.synthetic.exposure
N = 37 prob = 0.6167
mu = 2439.74
size = 0.8
p−value = 0.828
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS13.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 100
mu = 2478.28
size = 0.77
p−value = 0.909
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS13.noisy.exposure
N = 37 prob = 0.6167
neg.binom.size = 30
mu = 2437.42
size = 0.82
p−value = 0.938
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

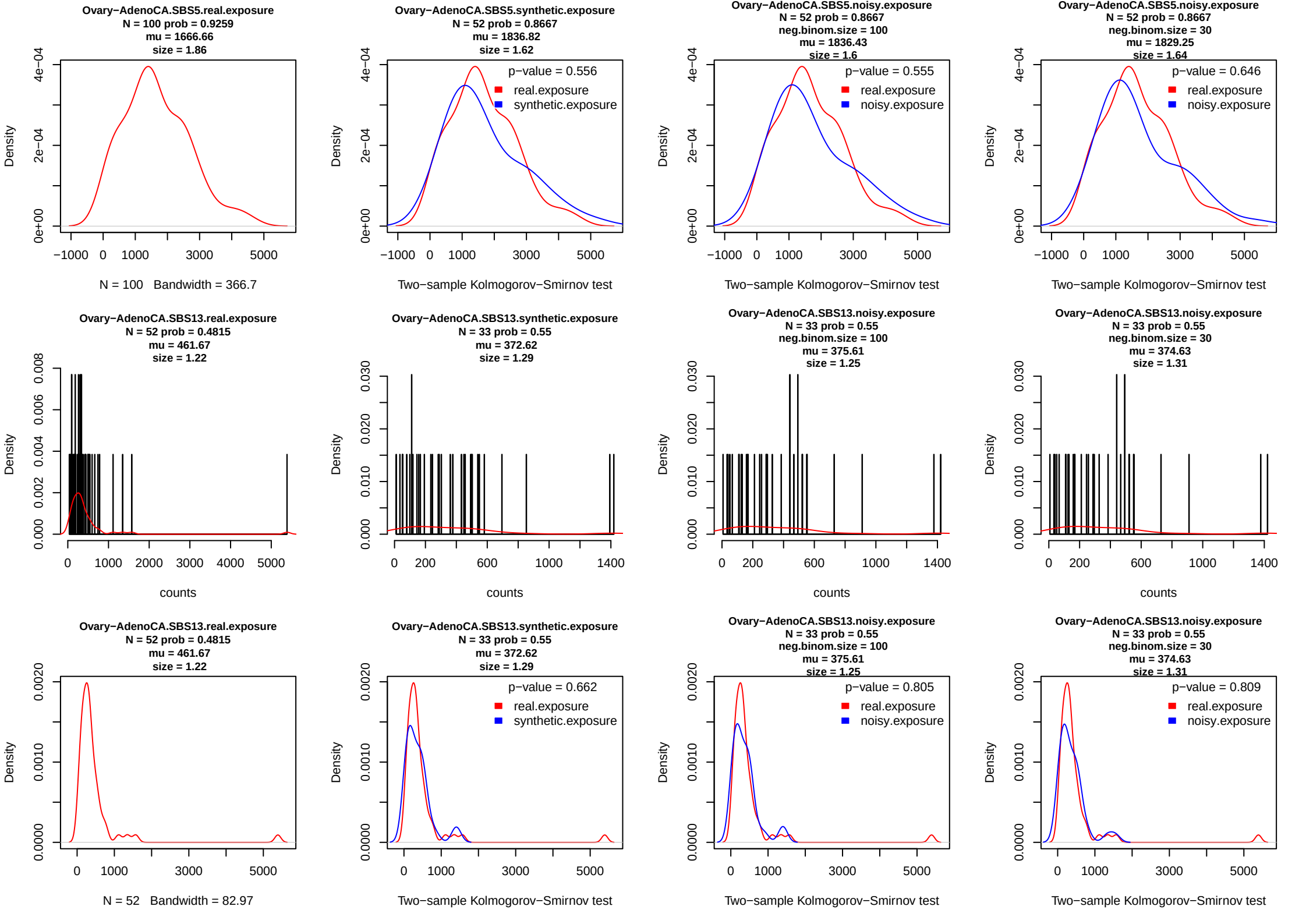

Lung−AdenoCA.SBS17a.real.exposure
N = 2 prob = 0.0541
mu = 1893.19
size = 1.99
Lung−AdenoCA.SBS17a.synthetic.exposure
N = 6 prob = 0.1
mu = 1677.33
size = 2.36
Lung−AdenoCA.SBS17a.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 100
mu = 1695.77
size = 2.38
Lung−AdenoCA.SBS17a.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 30
mu = 1763.9
size = 1.93
Density
counts
p−value = 1
real.exposure
synthetic.exposure
noisy.exposure
N = 2 Bandwidth = 716.8
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS17b.real.exposure
N = 2 prob = 0.0541
mu = 4305.79
size = 2.37
Lung−AdenoCA.SBS17b.synthetic.exposure
N = 2 prob = 0.0333
mu = 5438.11
size = 5.05
Lung−AdenoCA.SBS17b.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 100
mu = 5567.66
size = 5.63
Lung−AdenoCA.SBS17b.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 30
mu = 5334.05
size = 5.12

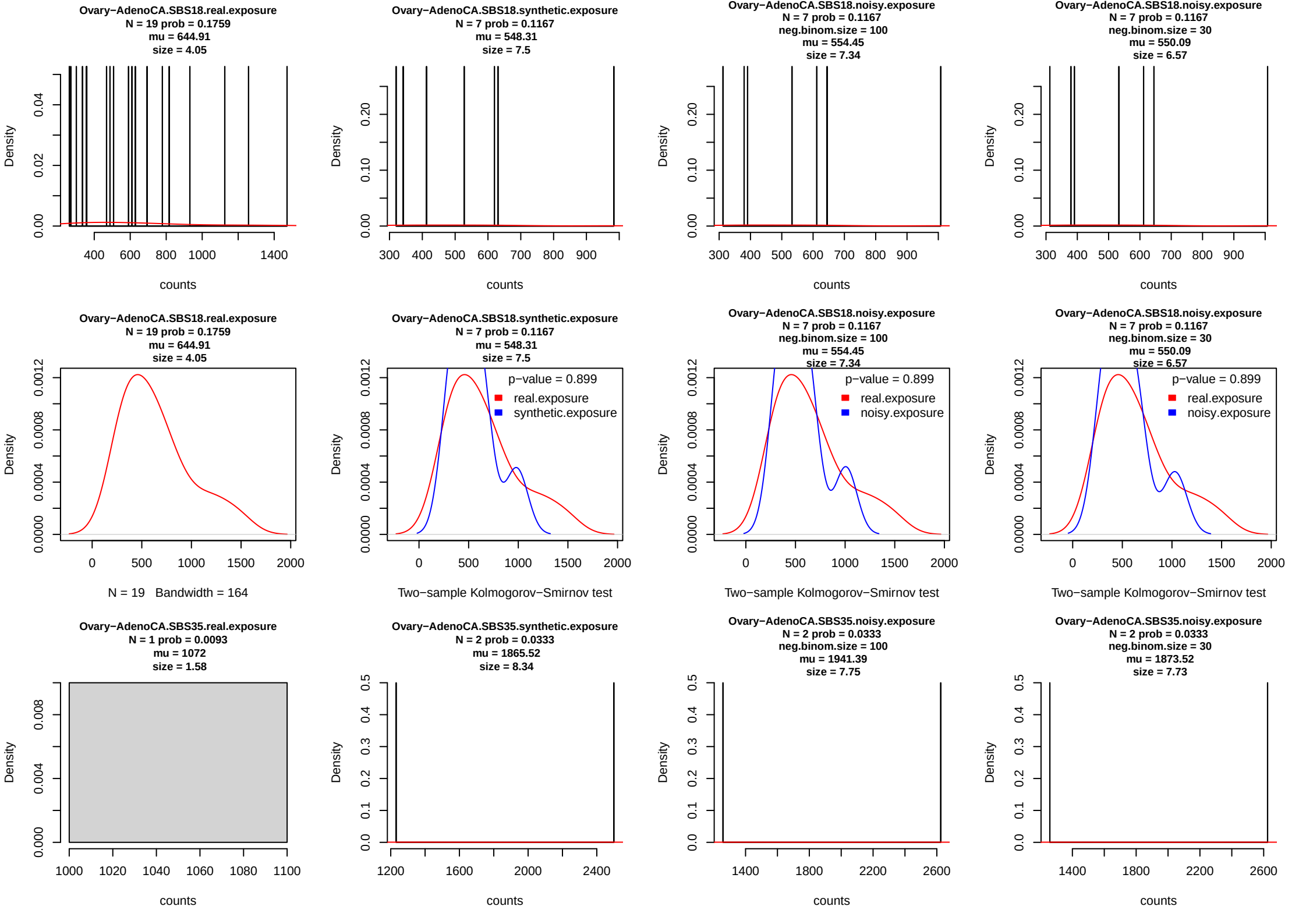

Lung−AdenoCA.SBS17b.real.exposure
N = 2 prob = 0.0541
mu = 4305.79
size = 2.37
Density
N = 2 Bandwidth = 1516
Lung−AdenoCA.SBS17b.synthetic.exposure
N = 2 prob = 0.0333
mu = 5438.11
size = 5.05
p−value = 1
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS17b.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 100
mu = 5567.66
size = 5.63
p−value = 1
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS17b.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 30
mu = 5334.05
size = 5.12
p−value = 1
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS18.real.exposure
N = 8 prob = 0.2162
mu = 2502.97
size = 0.76
counts
Lung−AdenoCA.SBS18.synthetic.exposure
N = 14 prob = 0.2333
mu = 1361.62
size = 1.12
counts
Lung−AdenoCA.SBS18.noisy.exposure
N = 14 prob = 0.2333
neg.binom.size = 100
mu = 1361.44
size = 1.13
counts
Lung−AdenoCA.SBS18.noisy.exposure
N = 14 prob = 0.2333
neg.binom.size = 30
mu = 1380.81
size = 1.09
counts
Lung−AdenoCA.SBS18.real.exposure
N = 8 prob = 0.2162
mu = 2502.97
size = 0.76
N = 8 Bandwidth = 1481
Lung−AdenoCA.SBS18.synthetic.exposure
N = 14 prob = 0.2333
mu = 1361.62
size = 1.12
p−value = 0.458
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS18.noisy.exposure
N = 14 prob = 0.2333
neg.binom.size = 100
mu = 1361.44
size = 1.13
p−value = 0.458
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Lung−AdenoCA.SBS18.noisy.exposure
N = 14 prob = 0.2333
neg.binom.size = 30
mu = 1380.81
size = 1.09
p−value = 0.382
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

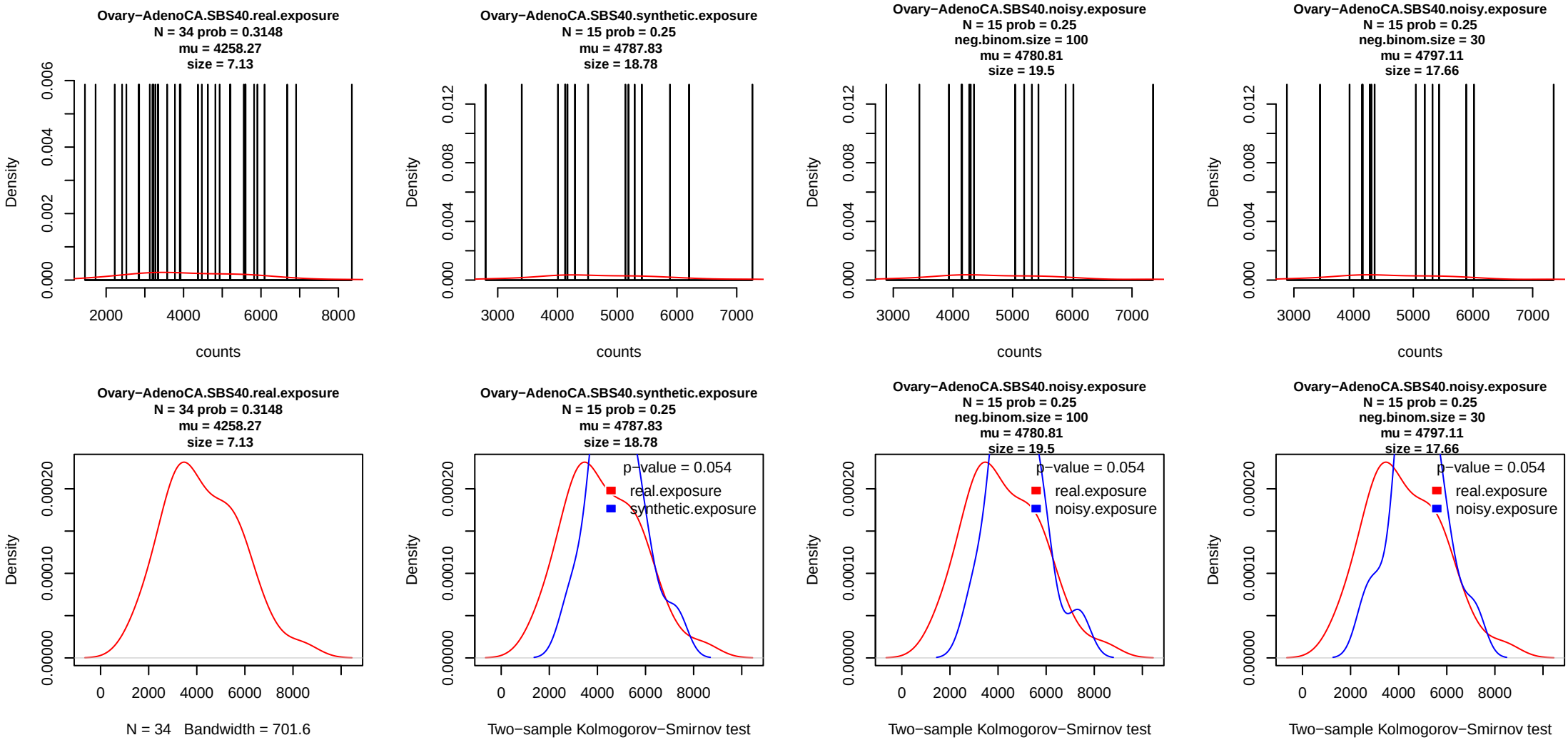

Lung−AdenoCA.SBS40.real.exposure
N = 12 prob = 0.3243
mu = 9936.86
size = 1.71
Lung−AdenoCA.SBS40.synthetic.exposure
N = 22 prob = 0.3667
mu = 7766.81
size = 2.12
Lung−AdenoCA.SBS40.noisy.exposure
N = 22 prob = 0.3667
neg.binom.size = 100
mu = 7700.44
size = 2.15
Lung−AdenoCA.SBS40.noisy.exposure
N = 22 prob = 0.3667
neg.binom.size = 30
mu = 7767.22
size = 2.13
Density
counts
N = 12 Bandwidth = 3962
p−value = 0.614
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS1.real.exposure
N = 108 prob = 1
mu = 545.92
size = 7.8
Ovary−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 578.02
size = 8.09
Ovary−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 574.64
size = 7.43
Ovary−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 587.3
size = 7.73

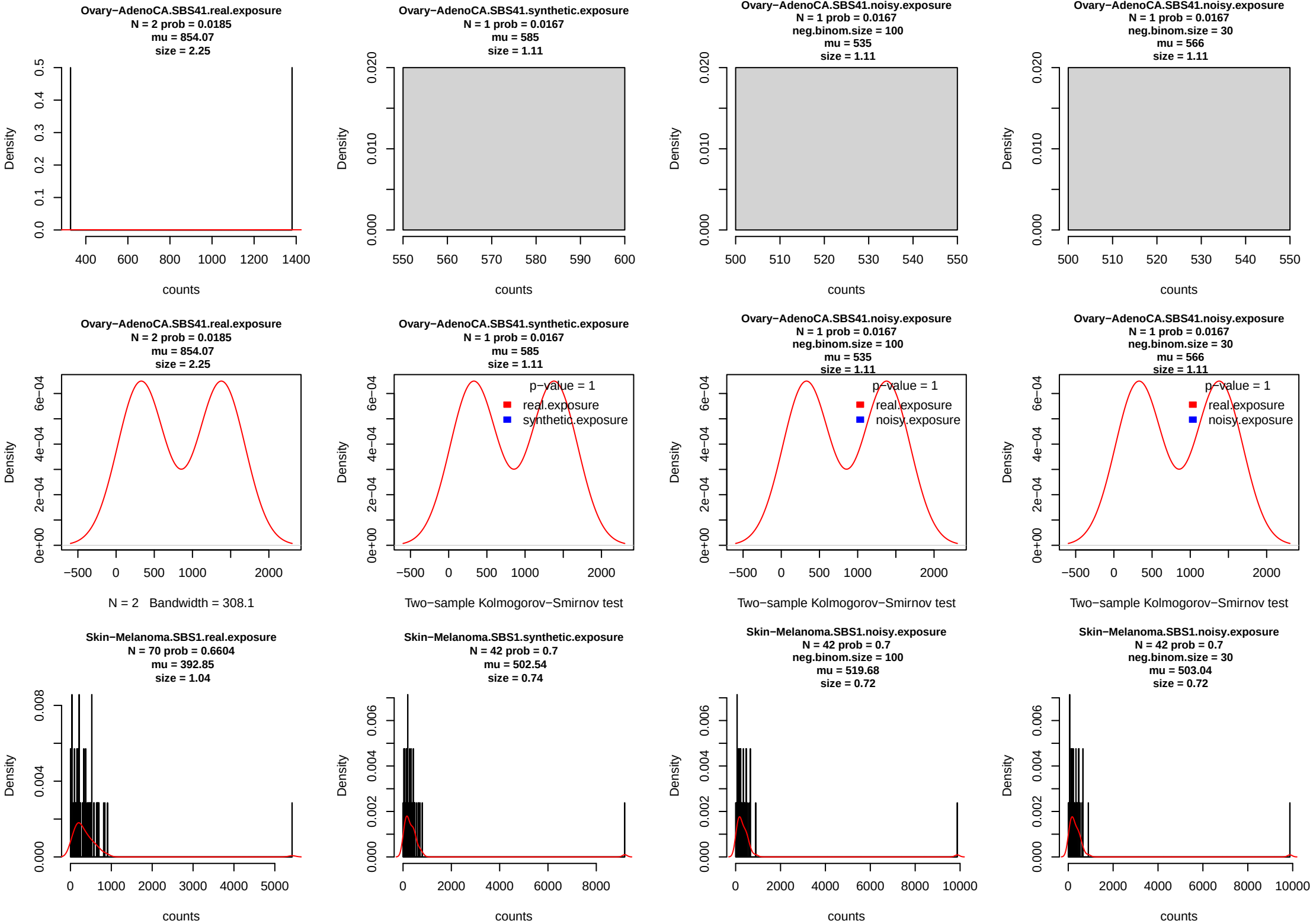

Ovary−AdenoCA.SBS1.real.exposure
N = 108 prob = 1
mu = 545.92
size = 7.8
Density
N = 108 Bandwidth = 68.06
Ovary−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 578.02
size = 8.09
p−value = 0.394
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 574.64
size = 7.43
p−value = 0.339
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 587.3
size = 7.73
p−value = 0.27
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS2.real.exposure
N = 52 prob = 0.4815
mu = 303.54
size = 2.24
Density
counts
Ovary−AdenoCA.SBS2.synthetic.exposure
N = 27 prob = 0.45
mu = 280.31
size = 2.84
Density
counts
Ovary−AdenoCA.SBS2.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 100
mu = 282.01
size = 2.71
Density
counts
Ovary−AdenoCA.SBS2.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 30
mu = 278.48
size = 2.93
Density
counts
Ovary−AdenoCA.SBS2.real.exposure
N = 52 prob = 0.4815
mu = 303.54
size = 2.24
Density
N = 52 Bandwidth = 53.18
Ovary−AdenoCA.SBS2.synthetic.exposure
N = 27 prob = 0.45
mu = 280.31
size = 2.84
p−value = 0.819
real.exposure
synthetic.exposure
Density
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS2.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 100
mu = 282.01
size = 2.71
p−value = 0.697
real.exposure
noisy.exposure
Density
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS2.noisy.exposure
N = 27 prob = 0.45
neg.binom.size = 30
mu = 278.48
size = 2.93
p−value = 0.913
real.exposure
noisy.exposure
Density
Two−sample Kolmogorov−Smirnov test

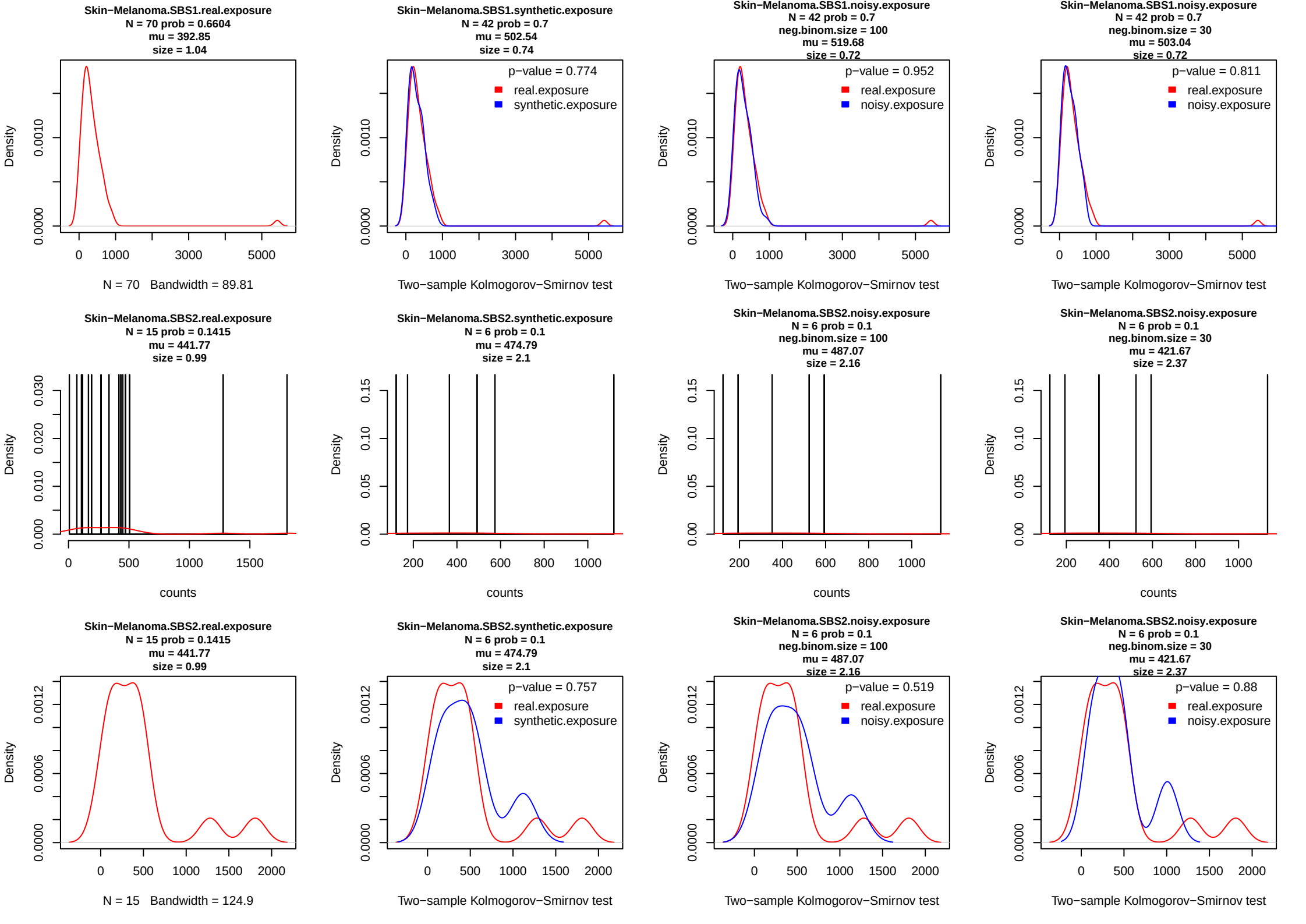

Ovary−AdenoCA.SBS3.real.exposure
N = 103 prob = 0.9537
mu = 4650.36
size = 3.04
Ovary−AdenoCA.SBS3.synthetic.exposure
N = 60 prob = 1
mu = 5051.63
size = 3.02
Ovary−AdenoCA.SBS3.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 5044.18
size = 3.02
Ovary−AdenoCA.SBS3.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 5040.33
size = 3.03
Density
counts
N = 103 Bandwidth = 985.9
p−value = 0.287
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS5.real.exposure
N = 100 prob = 0.9259
mu = 1666.66
size = 1.86
Ovary−AdenoCA.SBS5.synthetic.exposure
N = 52 prob = 0.8667
mu = 1836.82
size = 1.62
Ovary−AdenoCA.SBS5.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 100
mu = 1836.43
size = 1.6
Ovary−AdenoCA.SBS5.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 30
mu = 1829.25
size = 1.64

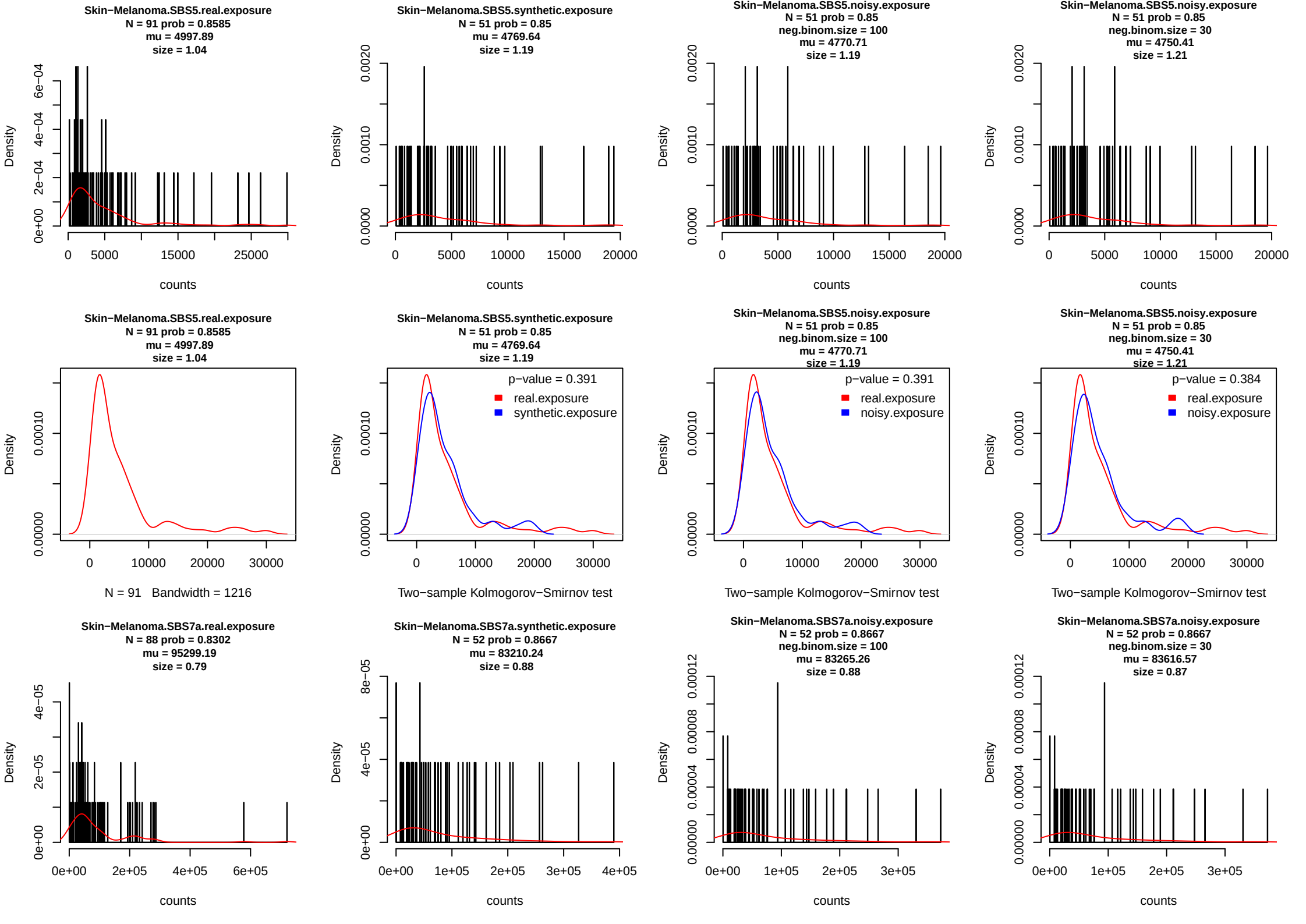

Ovary−AdenoCA.SBS5.real.exposure
N = 100 prob = 0.9259
mu = 1666.66
size = 1.86
Density
N = 100 Bandwidth = 366.7
Ovary−AdenoCA.SBS5.synthetic.exposure
N = 52 prob = 0.8667
mu = 1836.82
size = 1.62
p−value = 0.556
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS5.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 100
mu = 1836.43
size = 1.6
p−value = 0.555
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS5.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 30
mu = 1829.25
size = 1.64
p−value = 0.646
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS13.real.exposure
N = 52 prob = 0.4815
mu = 461.67
size = 1.22
counts
Ovary−AdenoCA.SBS13.synthetic.exposure
N = 33 prob = 0.55
mu = 372.62
size = 1.29
Ovary−AdenoCA.SBS13.noisy.exposure
N = 33 prob = 0.55
neg.binom.size = 100
mu = 375.61
size = 1.25
Ovary−AdenoCA.SBS13.noisy.exposure
N = 33 prob = 0.55
neg.binom.size = 30
mu = 374.63
size = 1.31
Ovary−AdenoCA.SBS13.real.exposure
N = 52 prob = 0.4815
mu = 461.67
size = 1.22
N = 52 Bandwidth = 82.97
Ovary−AdenoCA.SBS13.synthetic.exposure
N = 33 prob = 0.55
mu = 372.62
size = 1.29
p−value = 0.662
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS13.noisy.exposure
N = 33 prob = 0.55
neg.binom.size = 100
mu = 375.61
size = 1.25
p−value = 0.805
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS13.noisy.exposure
N = 33 prob = 0.55
neg.binom.size = 30
mu = 374.63
size = 1.31
p−value = 0.809
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

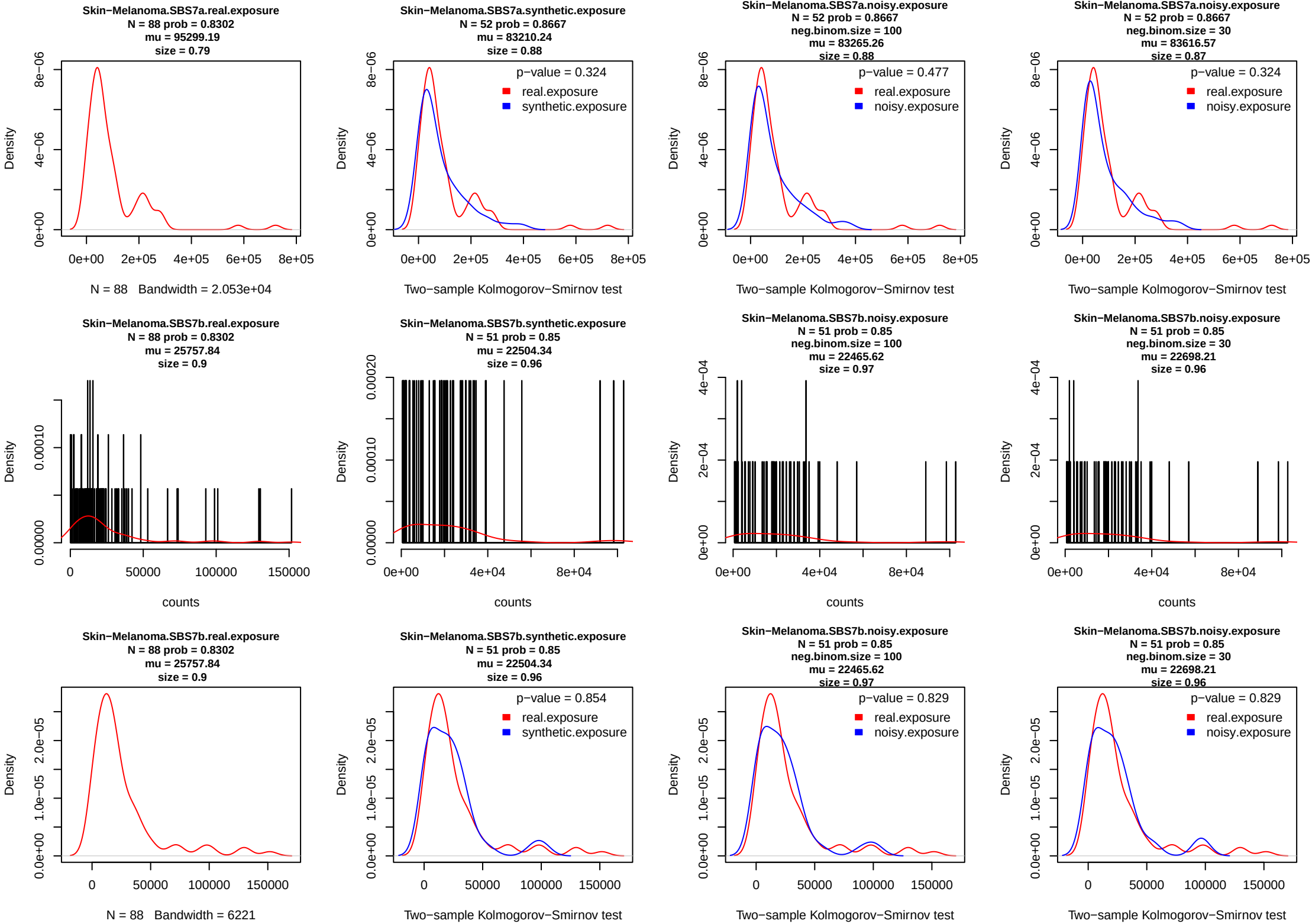

Ovary−AdenoCA.SBS18.real.exposure
N = 19 prob = 0.1759
mu = 644.91
size = 4.05
Ovary−AdenoCA.SBS18.synthetic.exposure
N = 7 prob = 0.1167
mu = 548.31
size = 7.5
Ovary−AdenoCA.SBS18.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 100
mu = 554.45
size = 7.34
Ovary−AdenoCA.SBS18.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 30
mu = 550.09
size = 6.57
Density
counts
Ovary−AdenoCA.SBS18.real.exposure
N = 19 prob = 0.1759
mu = 644.91
size = 4.05
N = 19 Bandwidth = 164
Ovary−AdenoCA.SBS18.synthetic.exposure
N = 7 prob = 0.1167
mu = 548.31
size = 7.5
p−value = 0.899
real.exposure
synthetic.exposure
Ovary−AdenoCA.SBS18.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 100
mu = 554.45
size = 7.34
p−value = 0.899
real.exposure
noisy.exposure
Ovary−AdenoCA.SBS18.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 30
mu = 550.09
size = 6.57
p−value = 0.899
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Ovary−AdenoCA.SBS35.real.exposure
N = 1 prob = 0.0093
mu = 1072
size = 1.58
Ovary−AdenoCA.SBS35.synthetic.exposure
N = 2 prob = 0.0333
mu = 1865.52
size = 8.34
Ovary−AdenoCA.SBS35.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 100
mu = 1941.39
size = 7.75
Ovary−AdenoCA.SBS35.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 30
mu = 1873.52
size = 7.73

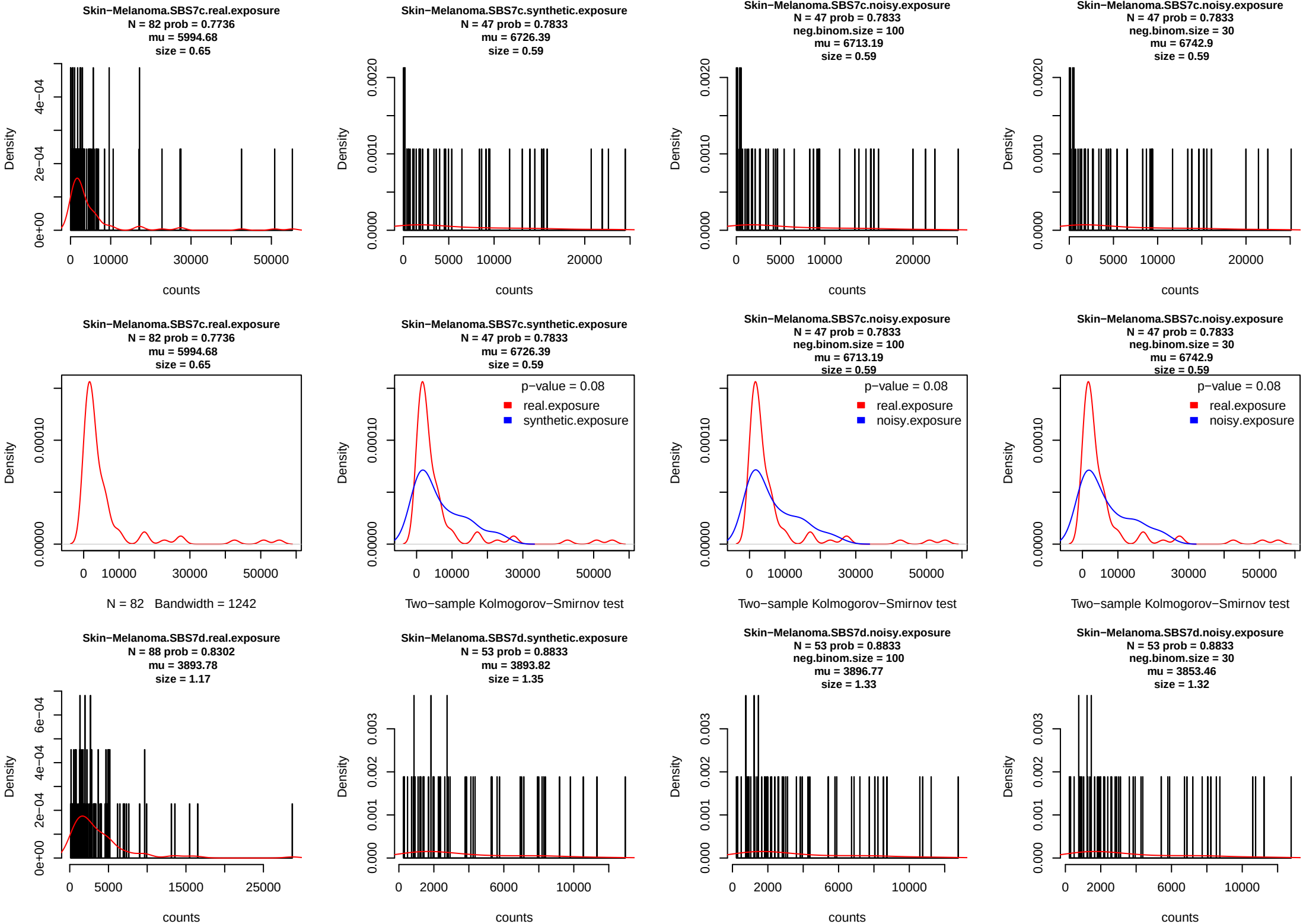

Ovary−AdenoCA.SBS40.real.exposure
N = 34 prob = 0.3148
mu = 4258.27
size = 7.13
Ovary−AdenoCA.SBS40.synthetic.exposure
N = 15 prob = 0.25
mu = 4787.83
size = 18.78
Ovary−AdenoCA.SBS40.noisy.exposure
N = 15 prob = 0.25
neg.binom.size = 100
mu = 4780.81
size = 19.5
Ovary−AdenoCA.SBS40.noisy.exposure
N = 15 prob = 0.25
neg.binom.size = 30
mu = 4797.11
size = 17.66
Density
counts
N = 34 Bandwidth = 701.6
p−value = 0.054
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

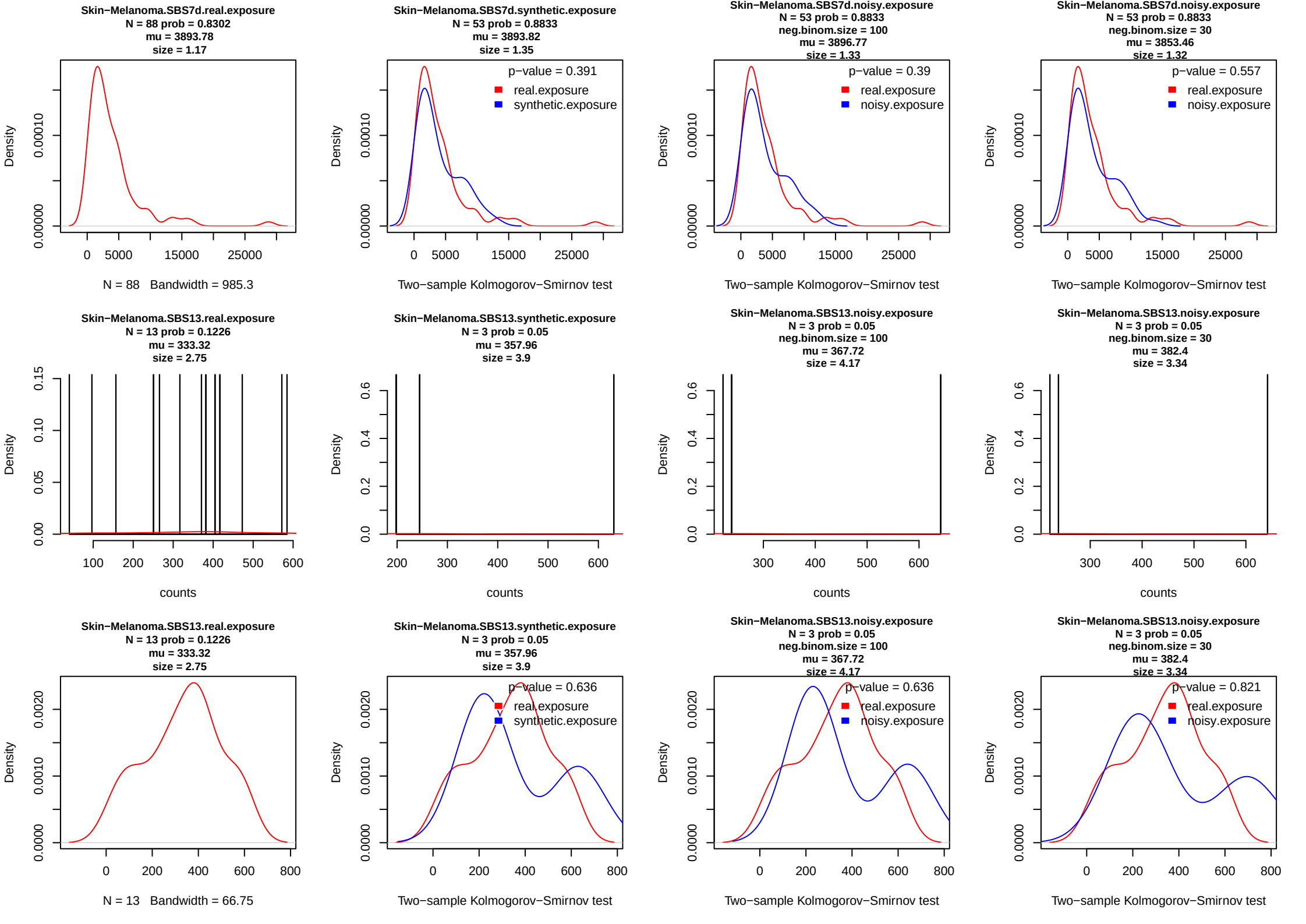

Ovary−AdenoCA.SBS41.real.exposure
N = 2 prob = 0.0185
mu = 854.07
size = 2.25
Ovary−AdenoCA.SBS41.synthetic.exposure
N = 1 prob = 0.0167
mu = 585
size = 1.11
Ovary−AdenoCA.SBS41.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 535
size = 1.11
Ovary−AdenoCA.SBS41.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 566
size = 1.11
Density
counts
N = 2 Bandwidth = 308.1
Two−sample Kolmogorov−Smirnov test
p−value = 1
real.exposure
synthetic.exposure
noisy.exposure
Skin−Melanoma.SBS1.real.exposure
N = 70 prob = 0.6604
mu = 392.85
size = 1.04
Skin−Melanoma.SBS1.synthetic.exposure
N = 42 prob = 0.7
mu = 502.54
size = 0.74
Skin−Melanoma.SBS1.noisy.exposure
N = 42 prob = 0.7
neg.binom.size = 100
mu = 519.68
size = 0.72
Skin−Melanoma.SBS1.noisy.exposure
N = 42 prob = 0.7
neg.binom.size = 30
mu = 503.04
size = 0.72

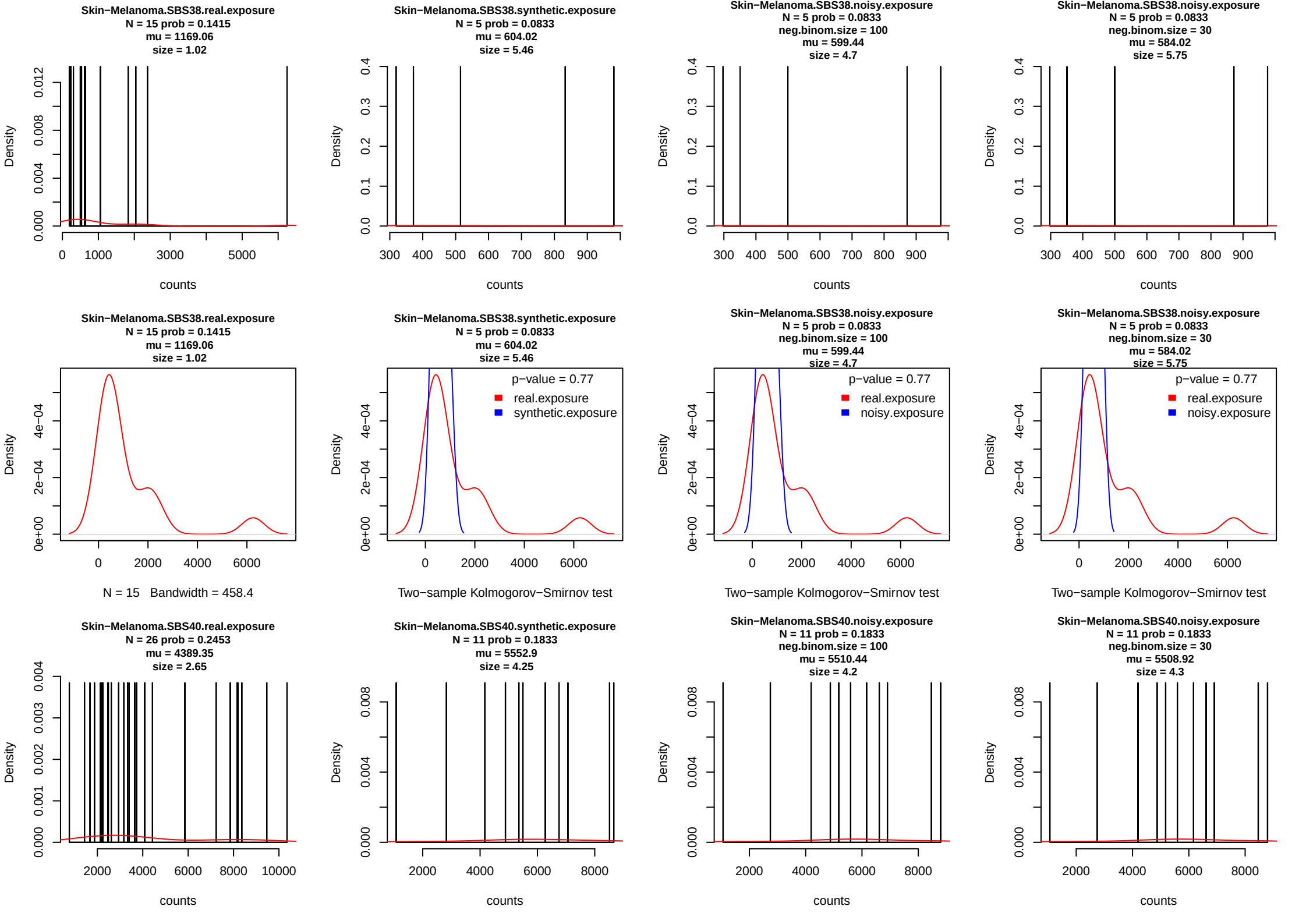

Skin−Melanoma.SBS1.real.exposure
N = 70 prob = 0.6604
mu = 392.85
size = 1.04
Density
N = 70 Bandwidth = 89.81
Skin−Melanoma.SBS1.synthetic.exposure
N = 42 prob = 0.7
mu = 502.54
size = 0.74
p−value = 0.774
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS1.noisy.exposure
N = 42 prob = 0.7
neg.binom.size = 100
mu = 519.68
size = 0.72
p−value = 0.952
real.exposure
noisy.exposure
Skin−Melanoma.SBS1.noisy.exposure
N = 42 prob = 0.7
neg.binom.size = 30
mu = 503.04
size = 0.72
p−value = 0.811
Skin−Melanoma.SBS2.real.exposure
N = 15 prob = 0.1415
mu = 441.77
size = 0.99
counts
Skin−Melanoma.SBS2.synthetic.exposure
N = 6 prob = 0.1
mu = 474.79
size = 2.1
Skin−Melanoma.SBS2.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 100
mu = 487.07
size = 2.16
Skin−Melanoma.SBS2.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 30
mu = 421.67
size = 2.37
Skin−Melanoma.SBS2.real.exposure
N = 15 prob = 0.1415
mu = 441.77
size = 0.99
N = 15 Bandwidth = 124.9
Skin−Melanoma.SBS2.synthetic.exposure
N = 6 prob = 0.1
mu = 474.79
size = 2.1
p−value = 0.757
Skin−Melanoma.SBS2.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 100
mu = 487.07
size = 2.16
p−value = 0.519
Skin−Melanoma.SBS2.noisy.exposure
N = 6 prob = 0.1
neg.binom.size = 30
mu = 421.67
size = 2.37
p−value = 0.88

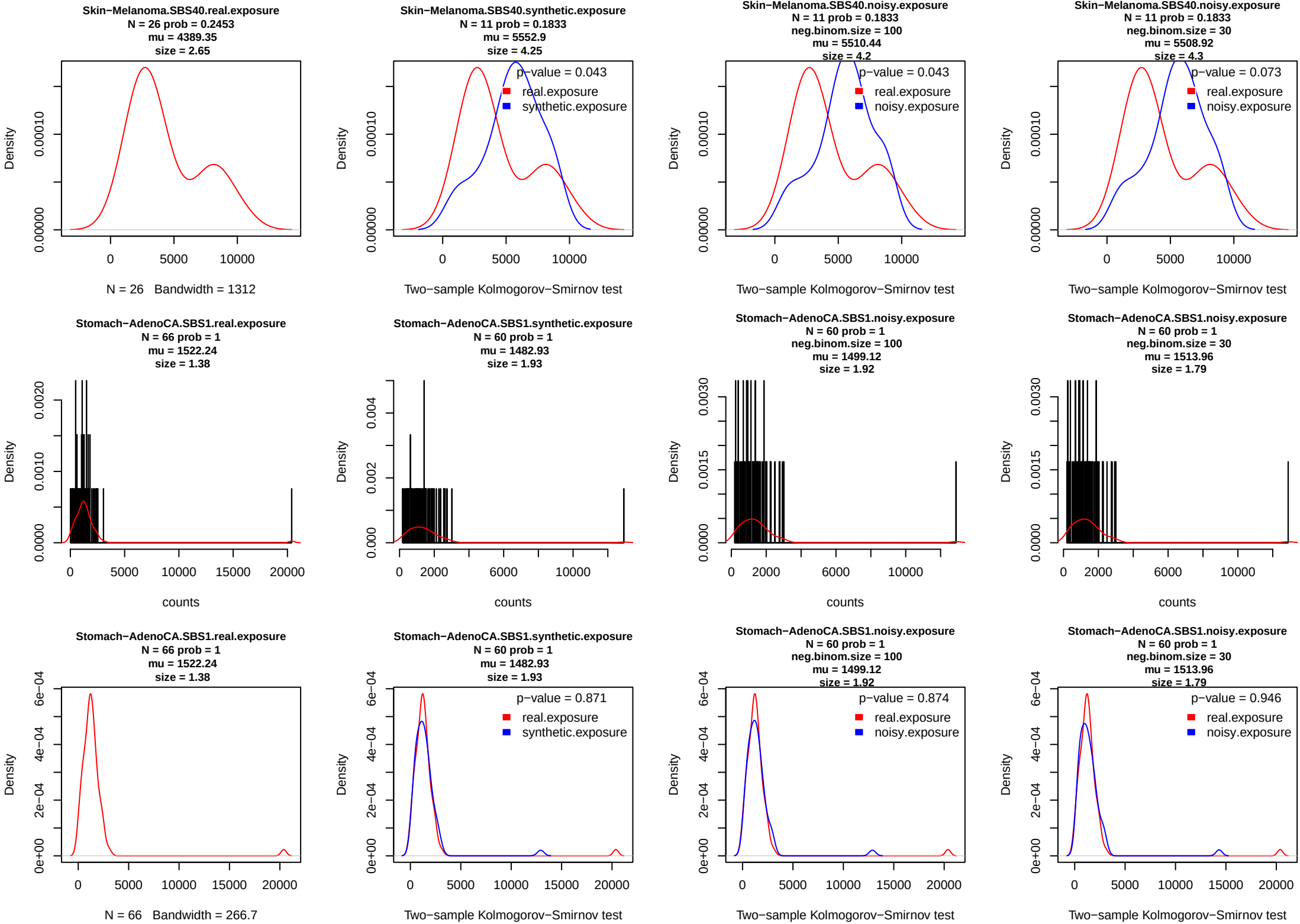

Skin−Melanoma.SBS5.real.exposure
N = 91 prob = 0.8585
mu = 4997.89
size = 1.04
Skin−Melanoma.SBS5.synthetic.exposure
N = 51 prob = 0.85
mu = 4769.64
size = 1.19
Skin−Melanoma.SBS5.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 100
mu = 4770.71
size = 1.19
Skin−Melanoma.SBS5.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 30
mu = 4750.41
size = 1.21
Density
counts
Skin−Melanoma.SBS5.real.exposure
N = 91 prob = 0.8585
mu = 4997.89
size = 1.04
N = 91 Bandwidth = 1216
Skin−Melanoma.SBS5.synthetic.exposure
N = 51 prob = 0.85
mu = 4769.64
size = 1.19
p−value = 0.391
real.exposure
synthetic.exposure
Skin−Melanoma.SBS5.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 100
mu = 4770.71
size = 1.19
p−value = 0.391
real.exposure
noisy.exposure
Skin−Melanoma.SBS5.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 30
mu = 4750.41
size = 1.21
p−value = 0.384
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7a.real.exposure
N = 88 prob = 0.8302
mu = 95299.19
size = 0.79
Skin−Melanoma.SBS7a.synthetic.exposure
N = 52 prob = 0.8667
mu = 83210.24
size = 0.88
Skin−Melanoma.SBS7a.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 100
mu = 83265.26
size = 0.88
Skin−Melanoma.SBS7a.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 30
mu = 83616.57
size = 0.87

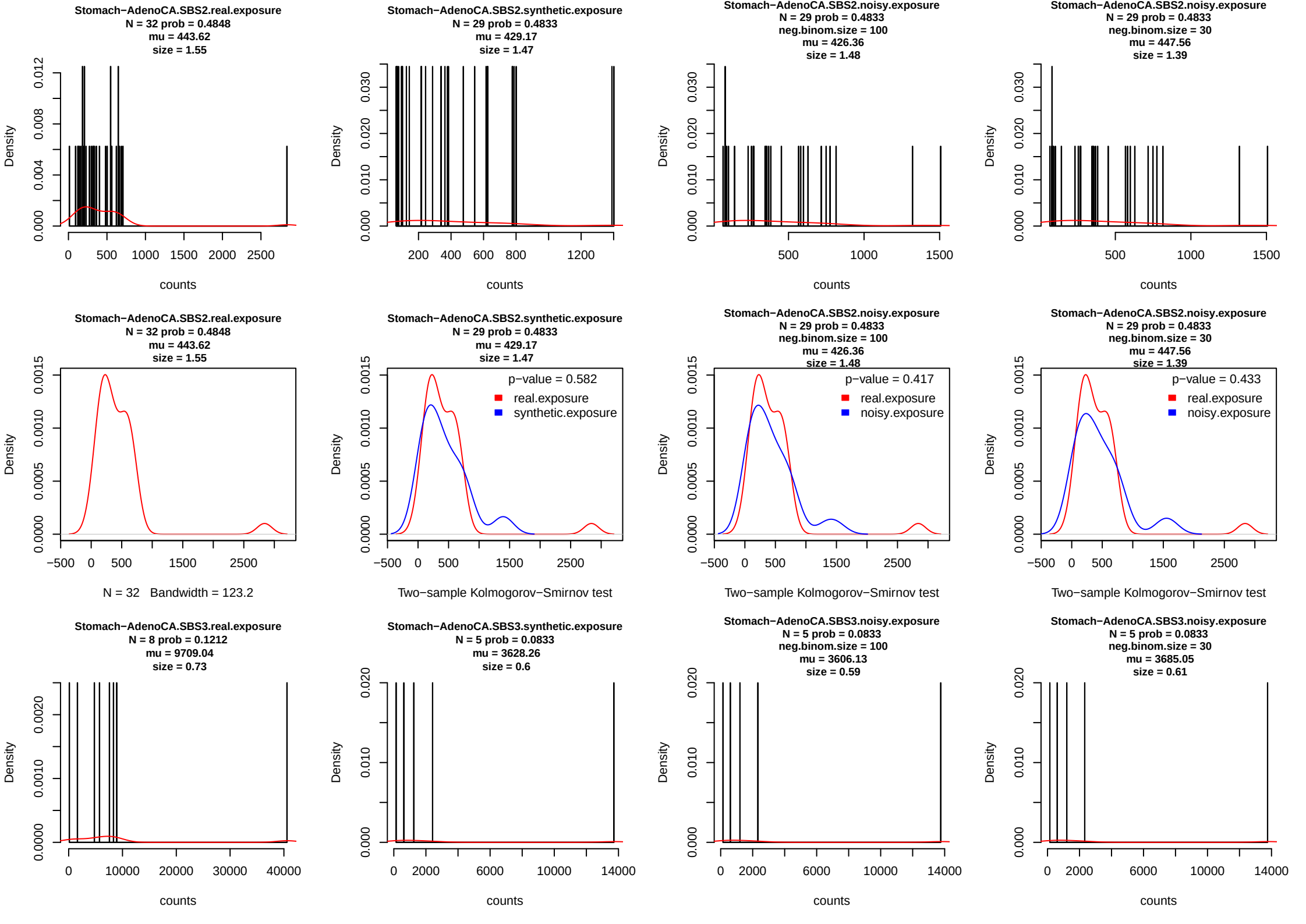

Skin−Melanoma.SBS7a.real.exposure
N = 88 prob = 0.8302
mu = 95299.19
size = 0.79
Density
N = 88 Bandwidth = 2.053e+04
Skin−Melanoma.SBS7a.synthetic.exposure
N = 52 prob = 0.8667
mu = 83210.24
size = 0.88
p−value = 0.324
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7a.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 100
mu = 83265.26
size = 0.88
p−value = 0.477
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7a.noisy.exposure
N = 52 prob = 0.8667
neg.binom.size = 30
mu = 83616.57
size = 0.87
p−value = 0.324
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7b.real.exposure
N = 88 prob = 0.8302
mu = 25757.84
size = 0.9
counts
Skin−Melanoma.SBS7b.synthetic.exposure
N = 51 prob = 0.85
mu = 22504.34
size = 0.96
counts
Skin−Melanoma.SBS7b.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 100
mu = 22465.62
size = 0.97
counts
Skin−Melanoma.SBS7b.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 30
mu = 22698.21
size = 0.96
counts
Skin−Melanoma.SBS7b.real.exposure
N = 88 prob = 0.8302
mu = 25757.84
size = 0.9
N = 88 Bandwidth = 6221
Skin−Melanoma.SBS7b.synthetic.exposure
N = 51 prob = 0.85
mu = 22504.34
size = 0.96
p−value = 0.854
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7b.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 100
mu = 22465.62
size = 0.97
p−value = 0.829
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7b.noisy.exposure
N = 51 prob = 0.85
neg.binom.size = 30
mu = 22698.21
size = 0.96
p−value = 0.829
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

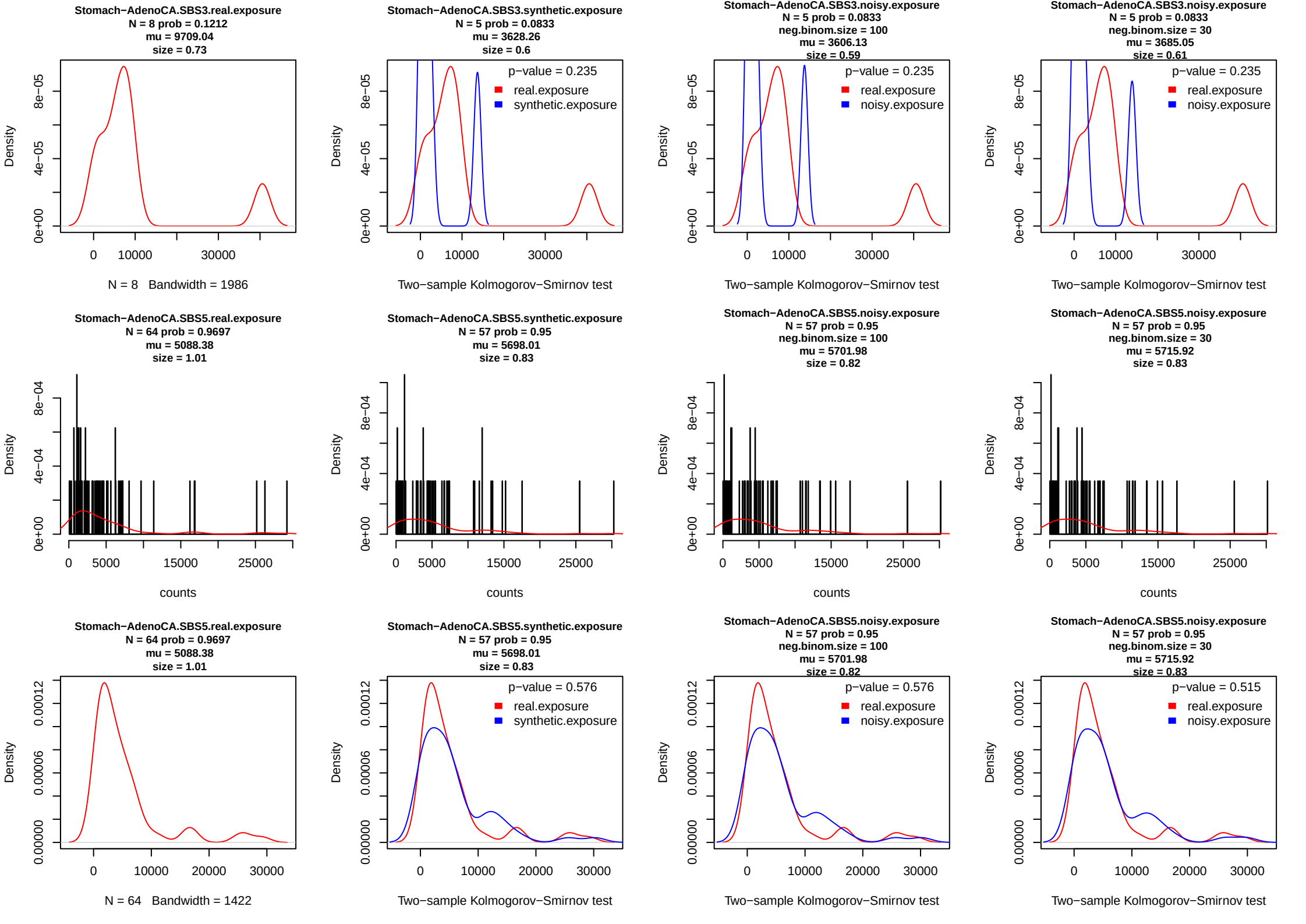

Skin−Melanoma.SBS7c.real.exposure
N = 82 prob = 0.7736
mu = 5994.68
size = 0.65
Skin−Melanoma.SBS7c.synthetic.exposure
N = 47 prob = 0.7833
mu = 6726.39
size = 0.59
Skin−Melanoma.SBS7c.noisy.exposure
N = 47 prob = 0.7833
neg.binom.size = 100
mu = 6713.19
size = 0.59
Skin−Melanoma.SBS7c.noisy.exposure
N = 47 prob = 0.7833
neg.binom.size = 30
mu = 6742.9
size = 0.59
Density
counts
N = 82 Bandwidth = 1242
p−value = 0.08
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7d.real.exposure
N = 88 prob = 0.8302
mu = 3893.78
size = 1.17
Skin−Melanoma.SBS7d.synthetic.exposure
N = 53 prob = 0.8833
mu = 3893.82
size = 1.35
Skin−Melanoma.SBS7d.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 100
mu = 3896.77
size = 1.33
Skin−Melanoma.SBS7d.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 30
mu = 3853.46
size = 1.32

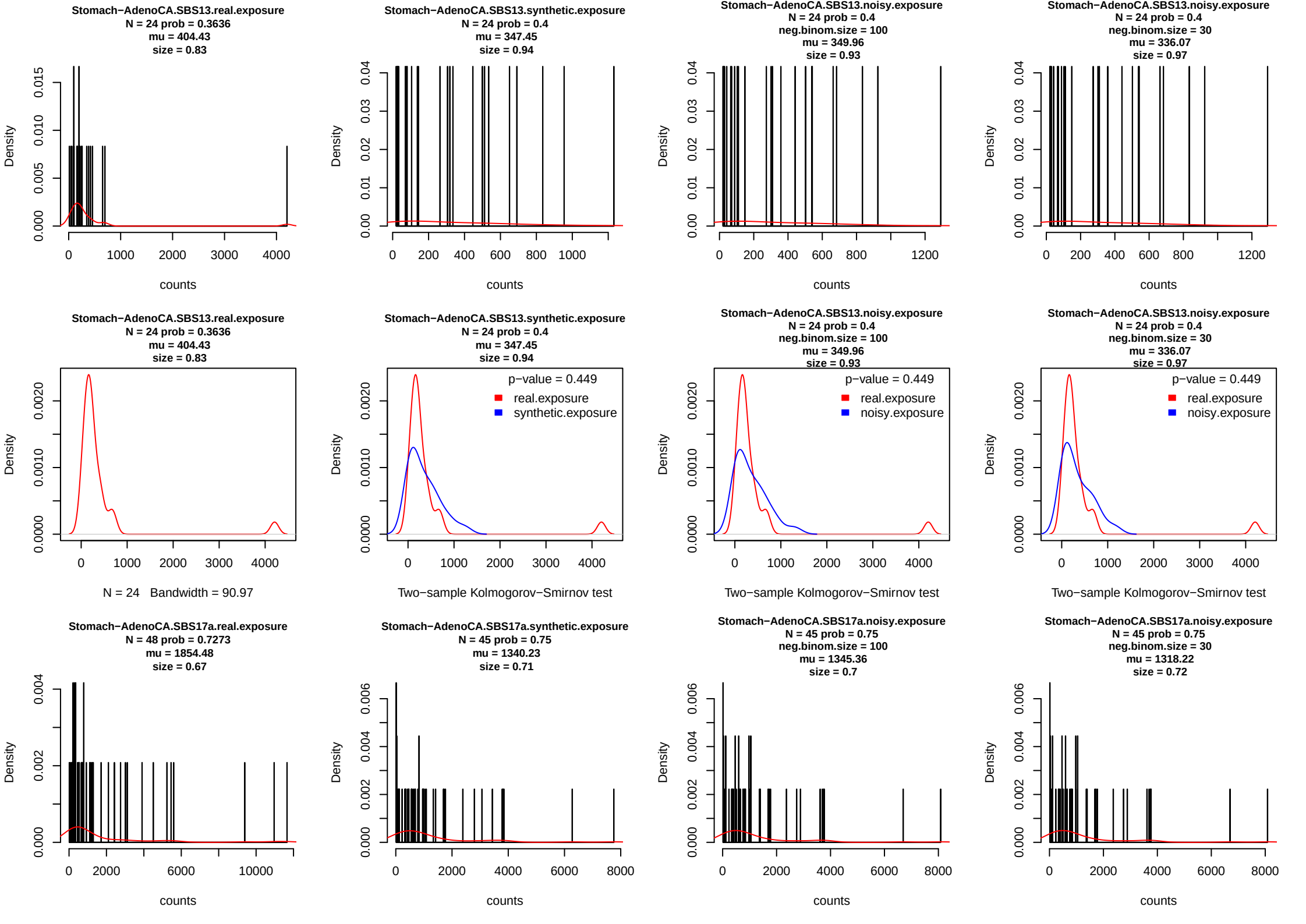

Skin−Melanoma.SBS7d.real.exposure
N = 88 prob = 0.8302
mu = 3893.78
size = 1.17
Density
N = 88 Bandwidth = 985.3
Skin−Melanoma.SBS7d.synthetic.exposure
N = 53 prob = 0.8833
mu = 3893.82
size = 1.35
p−value = 0.391
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7d.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 100
mu = 3896.77
size = 1.33
p−value = 0.39
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS7d.noisy.exposure
N = 53 prob = 0.8833
neg.binom.size = 30
mu = 3853.46
size = 1.32
p−value = 0.557
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS13.real.exposure
N = 13 prob = 0.1226
mu = 333.32
size = 2.75
Skin−Melanoma.SBS13.synthetic.exposure
N = 3 prob = 0.05
mu = 357.96
size = 3.9
Skin−Melanoma.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 367.72
size = 4.17
Skin−Melanoma.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 382.4
size = 3.34
counts
Skin−Melanoma.SBS13.real.exposure
N = 13 prob = 0.1226
mu = 333.32
size = 2.75
N = 13 Bandwidth = 66.75
Skin−Melanoma.SBS13.synthetic.exposure
N = 3 prob = 0.05
mu = 357.96
size = 3.9
p−value = 0.636
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 100
mu = 367.72
size = 4.17
p−value = 0.636
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS13.noisy.exposure
N = 3 prob = 0.05
neg.binom.size = 30
mu = 382.4
size = 3.34
p−value = 0.821
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

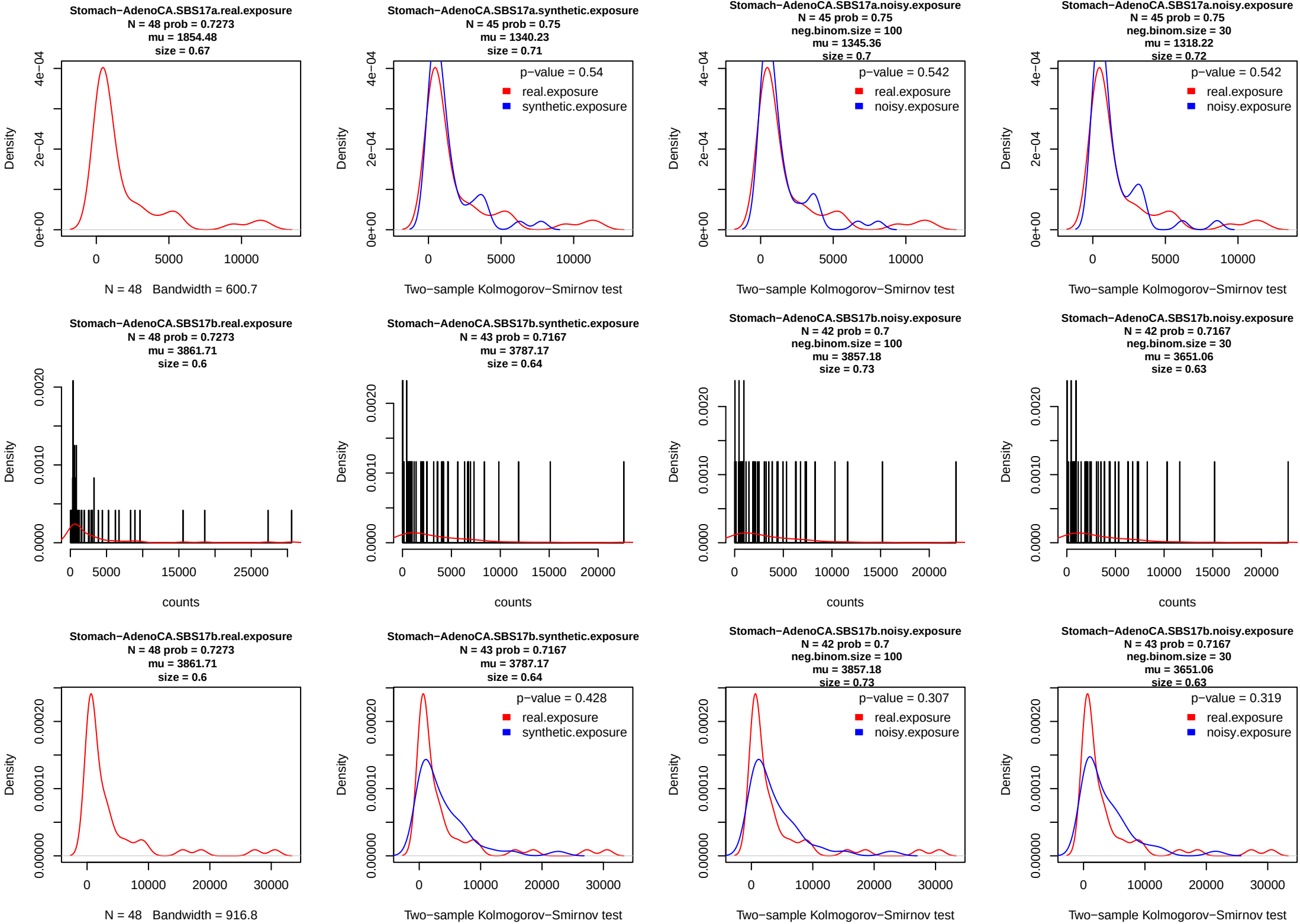

Skin−Melanoma.SBS38.real.exposure
N = 15 prob = 0.1415
mu = 1169.06
size = 1.02
Skin−Melanoma.SBS38.synthetic.exposure
N = 5 prob = 0.0833
mu = 604.02
size = 5.46
Skin−Melanoma.SBS38.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 100
mu = 599.44
size = 4.7
Skin−Melanoma.SBS38.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 30
mu = 584.02
size = 5.75
Density
counts
N = 15 Bandwidth = 458.4
p−value = 0.77
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS40.real.exposure
N = 26 prob = 0.2453
mu = 4389.35
size = 2.65
Skin−Melanoma.SBS40.synthetic.exposure
N = 11 prob = 0.1833
mu = 5552.9
size = 4.25
Skin−Melanoma.SBS40.noisy.exposure
N = 11 prob = 0.1833
neg.binom.size = 100
mu = 5510.44
size = 4.2
Skin−Melanoma.SBS40.noisy.exposure
N = 11 prob = 0.1833
neg.binom.size = 30
mu = 5508.92
size = 4.3

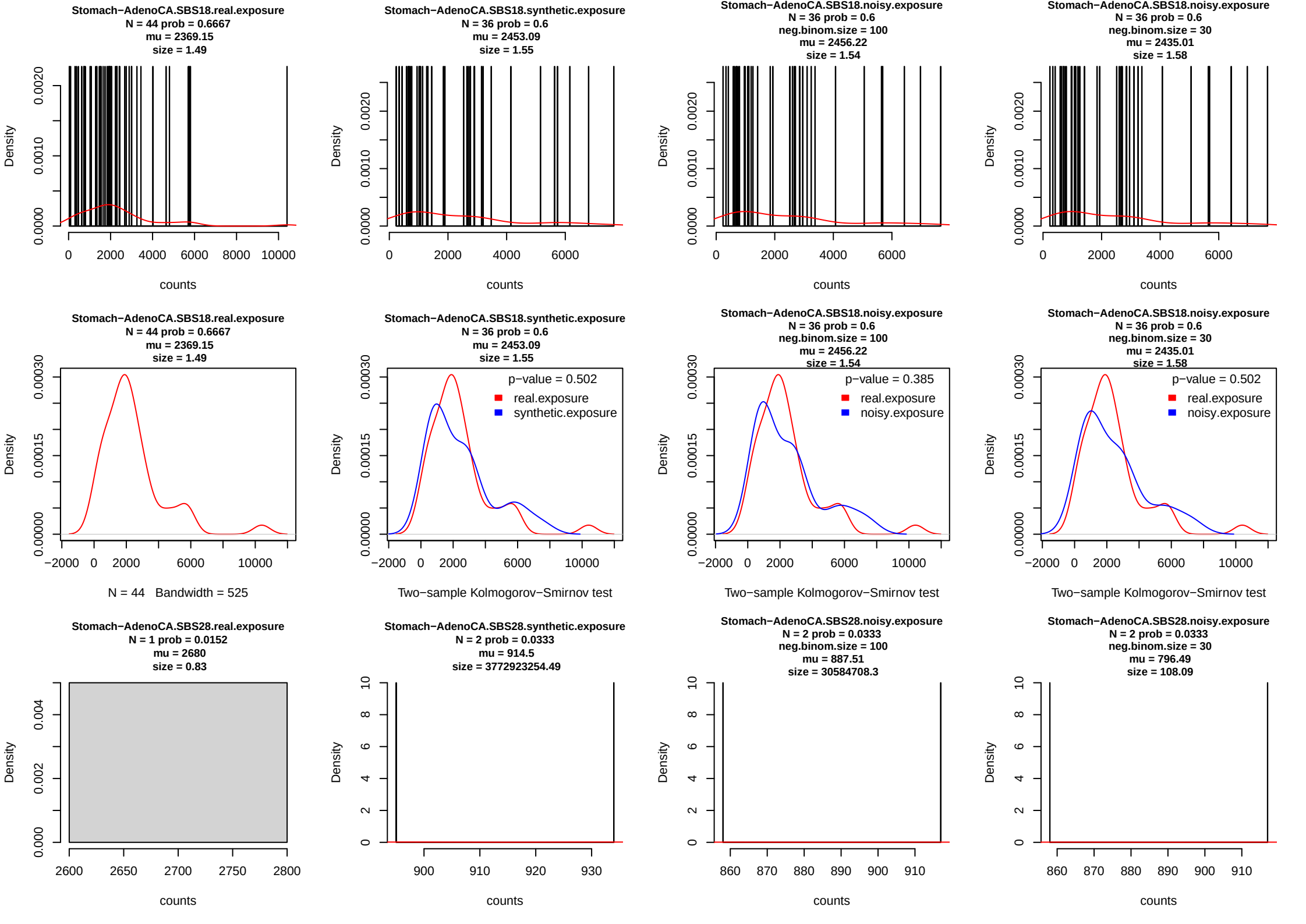

Skin−Melanoma.SBS40.real.exposure
N = 26 prob = 0.2453
mu = 4389.35
size = 2.65
Density
N = 26 Bandwidth = 1312
Skin−Melanoma.SBS40.synthetic.exposure
N = 11 prob = 0.1833
mu = 5552.9
size = 4.25
p−value = 0.043
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS40.noisy.exposure
N = 11 prob = 0.1833
neg.binom.size = 100
mu = 5510.44
size = 4.2
p−value = 0.043
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Skin−Melanoma.SBS40.noisy.exposure
N = 11 prob = 0.1833
neg.binom.size = 30
mu = 5508.92
size = 4.3
p−value = 0.073
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS1.real.exposure
N = 66 prob = 1
mu = 1522.24
size = 1.38
counts
Stomach−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 1482.93
size = 1.93
counts
Stomach−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 1499.12
size = 1.92
counts
Stomach−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 1513.96
size = 1.79
counts
Stomach−AdenoCA.SBS1.real.exposure
N = 66 prob = 1
mu = 1522.24
size = 1.38
N = 66 Bandwidth = 266.7
Stomach−AdenoCA.SBS1.synthetic.exposure
N = 60 prob = 1
mu = 1482.93
size = 1.93
p−value = 0.871
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 100
mu = 1499.12
size = 1.92
p−value = 0.874
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS1.noisy.exposure
N = 60 prob = 1
neg.binom.size = 30
mu = 1513.96
size = 1.79
p−value = 0.946
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test

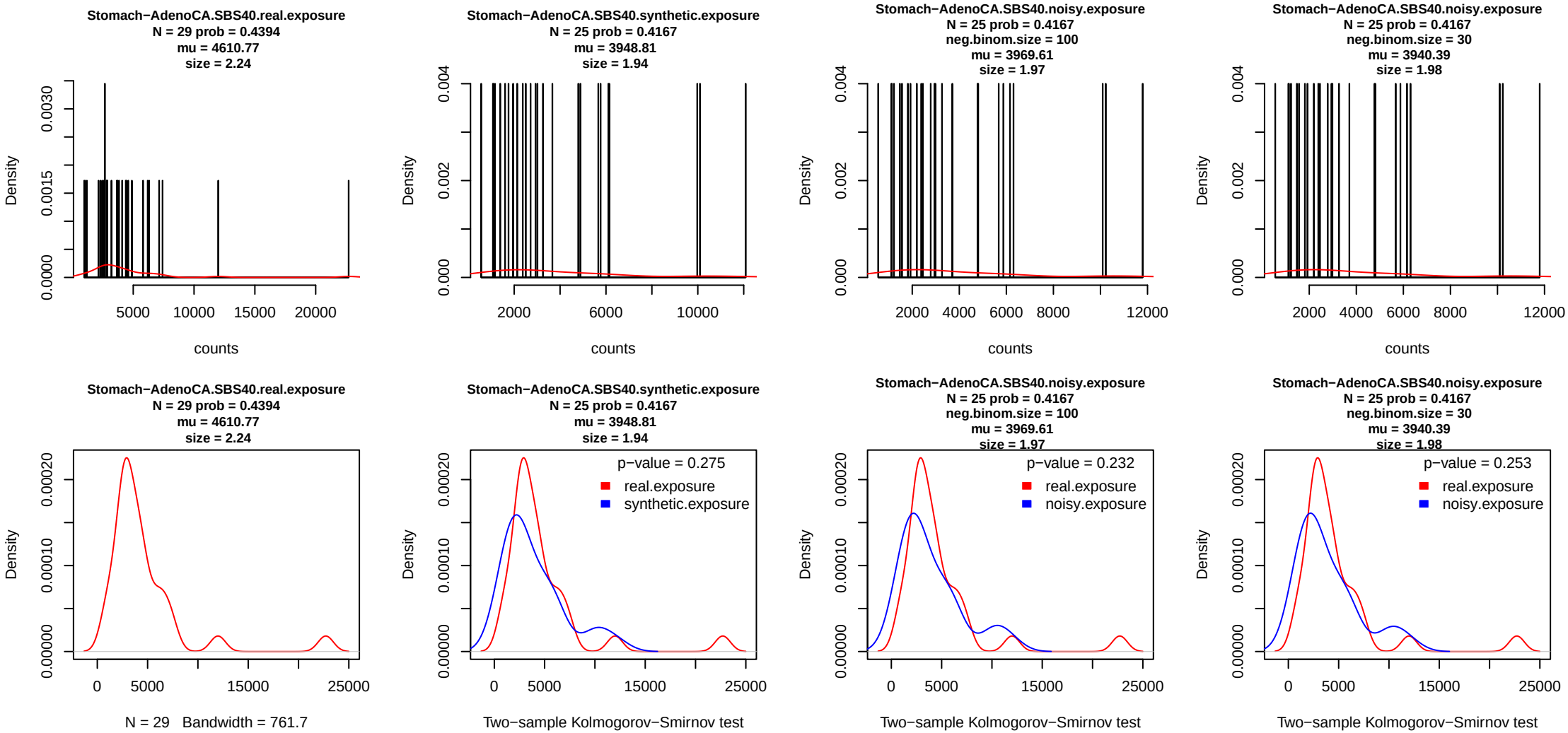

Stomach−AdenoCA.SBS2.real.exposure
N = 32 prob = 0.4848
mu = 443.62
size = 1.55
Stomach−AdenoCA.SBS2.synthetic.exposure
N = 29 prob = 0.4833
mu = 429.17
size = 1.47
Stomach−AdenoCA.SBS2.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 100
mu = 426.36
size = 1.48
Stomach−AdenoCA.SBS2.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 30
mu = 447.56
size = 1.39
Density
counts
Stomach−AdenoCA.SBS2.real.exposure
N = 32 prob = 0.4848
mu = 443.62
size = 1.55
Stomach−AdenoCA.SBS2.synthetic.exposure
N = 29 prob = 0.4833
mu = 429.17
size = 1.47
p−value = 0.582
real.exposure
synthetic.exposure
Stomach−AdenoCA.SBS2.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 100
mu = 426.36
size = 1.48
p−value = 0.417
real.exposure
noisy.exposure
Stomach−AdenoCA.SBS2.noisy.exposure
N = 29 prob = 0.4833
neg.binom.size = 30
mu = 447.56
size = 1.39
p−value = 0.433
real.exposure
noisy.exposure
N = 32 Bandwidth = 123.2
Two−sample Kolmogorov−Smirnov test
Two−sample Kolmogorov−Smirnov test
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS3.real.exposure
N = 8 prob = 0.1212
mu = 9709.04
size = 0.73
Stomach−AdenoCA.SBS3.synthetic.exposure
N = 5 prob = 0.0833
mu = 3628.26
size = 0.6
Stomach−AdenoCA.SBS3.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 100
mu = 3606.13
size = 0.59
Stomach−AdenoCA.SBS3.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 30
mu = 3685.05
size = 0.61

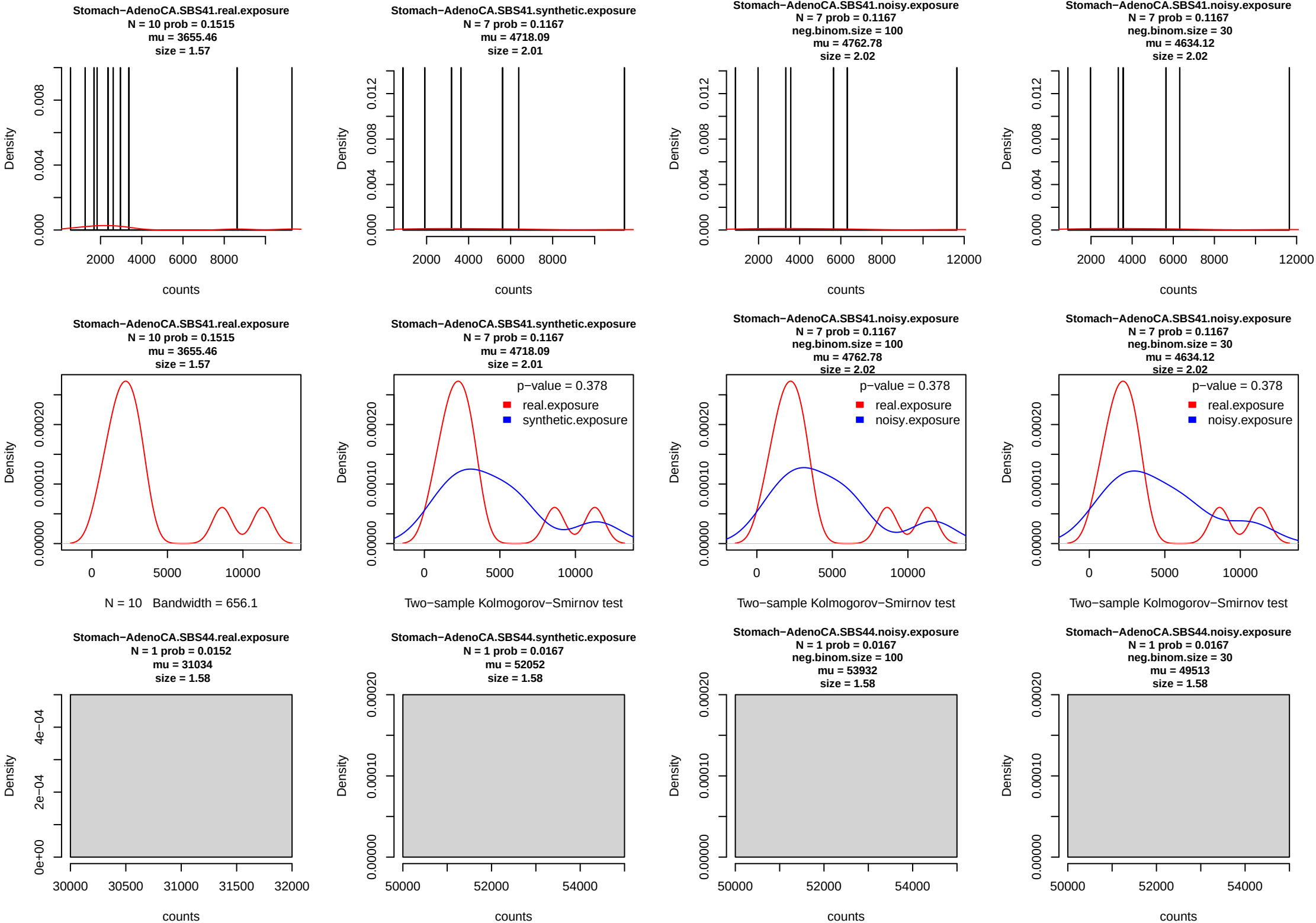

Stomach−AdenoCA.SBS3.real.exposure
N = 8 prob = 0.1212
mu = 9709.04
size = 0.73
Density
N = 8 Bandwidth = 1986
Stomach−AdenoCA.SBS3.synthetic.exposure
N = 5 prob = 0.0833
mu = 3628.26
size = 0.6
p−value = 0.235
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS3.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 100
mu = 3606.13
size = 0.59
p−value = 0.235
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS3.noisy.exposure
N = 5 prob = 0.0833
neg.binom.size = 30
mu = 3685.05
size = 0.61
p−value = 0.235
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS5.real.exposure
N = 64 prob = 0.9697
mu = 5088.38
size = 1.01
counts
Stomach−AdenoCA.SBS5.synthetic.exposure
N = 57 prob = 0.95
mu = 5698.01
size = 0.83
Stomach−AdenoCA.SBS5.noisy.exposure
N = 57 prob = 0.95
neg.binom.size = 100
mu = 5701.98
size = 0.82
Stomach−AdenoCA.SBS5.noisy.exposure
N = 57 prob = 0.95
neg.binom.size = 30
mu = 5715.92
size = 0.83
Stomach−AdenoCA.SBS5.real.exposure
N = 64 prob = 0.9697
mu = 5088.38
size = 1.01
N = 64 Bandwidth = 1422
Stomach−AdenoCA.SBS5.synthetic.exposure
N = 57 prob = 0.95
mu = 5698.01
size = 0.83
p−value = 0.576
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS5.noisy.exposure
N = 57 prob = 0.95
neg.binom.size = 100
mu = 5701.98
size = 0.82
p−value = 0.576
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS5.noisy.exposure
N = 57 prob = 0.95
neg.binom.size = 30
mu = 5715.92
size = 0.83
p−value = 0.515
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test


Stomach−AdenoCA.SBS13.real.exposure
N = 24 prob = 0.3636
mu = 404.43
size = 0.83
Stomach−AdenoCA.SBS13.synthetic.exposure
N = 24 prob = 0.4
mu = 347.45
size = 0.94
Stomach−AdenoCA.SBS13.noisy.exposure
N = 24 prob = 0.4
neg.binom.size = 100
mu = 349.96
size = 0.93
Stomach−AdenoCA.SBS13.noisy.exposure
N = 24 prob = 0.4
neg.binom.size = 30
mu = 336.07
size = 0.97
Density
counts
N = 24 Bandwidth = 90.97
p−value = 0.449
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS17a.real.exposure
N = 48 prob = 0.7273
mu = 1854.48
size = 0.67
Stomach−AdenoCA.SBS17a.synthetic.exposure
N = 45 prob = 0.75
mu = 1340.23
size = 0.71
Stomach−AdenoCA.SBS17a.noisy.exposure
N = 45 prob = 0.75
neg.binom.size = 100
mu = 1345.36
size = 0.7
Stomach−AdenoCA.SBS17a.noisy.exposure
N = 45 prob = 0.75
neg.binom.size = 30
mu = 1318.22
size = 0.72


Stomach−AdenoCA.SBS17a.real.exposure
N = 48 prob = 0.7273
mu = 1854.48
size = 0.67
Density
N = 48 Bandwidth = 600.7
Stomach−AdenoCA.SBS17a.synthetic.exposure
N = 45 prob = 0.75
mu = 1340.23
size = 0.71
p−value = 0.54
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS17a.noisy.exposure
N = 45 prob = 0.75
neg.binom.size = 100
mu = 1345.36
size = 0.7
p−value = 0.542
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS17a.noisy.exposure
N = 45 prob = 0.75
neg.binom.size = 30
mu = 1318.22
size = 0.72
p−value = 0.542
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS17b.real.exposure
N = 48 prob = 0.7273
mu = 3861.71
size = 0.6
counts
Stomach−AdenoCA.SBS17b.synthetic.exposure
N = 43 prob = 0.7167
mu = 3787.17
size = 0.64
counts
Stomach−AdenoCA.SBS17b.noisy.exposure
N = 42 prob = 0.7
neg.binom.size = 100
mu = 3857.18
size = 0.73
counts
Stomach−AdenoCA.SBS17b.noisy.exposure
N = 42 prob = 0.7167
neg.binom.size = 30
mu = 3651.06
size = 0.63
counts
Stomach−AdenoCA.SBS17b.real.exposure
N = 48 prob = 0.7273
mu = 3861.71
size = 0.6
N = 48 Bandwidth = 916.8
Stomach−AdenoCA.SBS17b.synthetic.exposure
N = 43 prob = 0.7167
mu = 3787.17
size = 0.64
p−value = 0.428
real.exposure
synthetic.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS17b.noisy.exposure
N = 42 prob = 0.7
neg.binom.size = 100
mu = 3857.18
size = 0.73
p−value = 0.307
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS17b.noisy.exposure
N = 43 prob = 0.7167
neg.binom.size = 30
mu = 3651.06
size = 0.63
p−value = 0.319
real.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test


Stomach−AdenoCA.SBS18.real.exposure
N = 44 prob = 0.6667
mu = 2369.15
size = 1.49
Stomach−AdenoCA.SBS18.synthetic.exposure
N = 36 prob = 0.6
mu = 2453.09
size = 1.55
Stomach−AdenoCA.SBS18.noisy.exposure
N = 36 prob = 0.6
neg.binom.size = 100
mu = 2456.22
size = 1.54
Stomach−AdenoCA.SBS18.noisy.exposure
N = 36 prob = 0.6
neg.binom.size = 30
mu = 2435.01
size = 1.58
Density
counts
p−value = 0.502
real.exposure
synthetic.exposure
p−value = 0.385
noisy.exposure
N = 44 Bandwidth = 525
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS28.real.exposure
N = 1 prob = 0.0152
mu = 2680
size = 0.83
Stomach−AdenoCA.SBS28.synthetic.exposure
N = 2 prob = 0.0333
mu = 914.5
size = 3772923254.49
Stomach−AdenoCA.SBS28.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 100
mu = 887.51
size = 30584708.3
Stomach−AdenoCA.SBS28.noisy.exposure
N = 2 prob = 0.0333
neg.binom.size = 30
mu = 796.49
size = 108.09


Stomach−AdenoCA.SBS40.real.exposure
N = 29 prob = 0.4394
mu = 4610.77
size = 2.24
Stomach−AdenoCA.SBS40.synthetic.exposure
N = 25 prob = 0.4167
mu = 3948.81
size = 1.94
Stomach−AdenoCA.SBS40.noisy.exposure
N = 25 prob = 0.4167
neg.binom.size = 100
mu = 3969.61
size = 1.97
Stomach−AdenoCA.SBS40.noisy.exposure
N = 25 prob = 0.4167
neg.binom.size = 30
mu = 3940.39
size = 1.98
Density
counts
p−value = 0.275
real.exposure
synthetic.exposure
p−value = 0.232
noisy.exposure
p−value = 0.253
N = 29 Bandwidth = 761.7
Two−sample Kolmogorov−Smirnov test


Stomach−AdenoCA.SBS41.real.exposure
N = 10 prob = 0.1515
mu = 3655.46
size = 1.57
Stomach−AdenoCA.SBS41.synthetic.exposure
N = 7 prob = 0.1167
mu = 4718.09
size = 2.01
Stomach−AdenoCA.SBS41.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 100
mu = 4762.78
size = 2.02
Stomach−AdenoCA.SBS41.noisy.exposure
N = 7 prob = 0.1167
neg.binom.size = 30
mu = 4634.12
size = 2.02
Density
counts
N = 10 Bandwidth = 656.1
p−value = 0.378
real.exposure
synthetic.exposure
noisy.exposure
Two−sample Kolmogorov−Smirnov test
Stomach−AdenoCA.SBS44.real.exposure
N = 1 prob = 0.0152
mu = 31034
size = 1.58
Stomach−AdenoCA.SBS44.synthetic.exposure
N = 1 prob = 0.0167
mu = 52052
size = 1.58
Stomach−AdenoCA.SBS44.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 100
mu = 53932
size = 1.58
Stomach−AdenoCA.SBS44.noisy.exposure
N = 1 prob = 0.0167
neg.binom.size = 30
mu = 49513
size = 1.58