## Appendix Table 18-25

Estimates of other parameters when  $c_1^2=0,\ c_2^2=1$  for scenario 1-8

Yi

2021-04-12

Load data

Scenario 1

Scenario 2

Scenario 3

Scenario 4

Scenario 5

Scenario 6

Scenario 7

Scenario 8

Table 1: Estimates of the parameters when  $c_1^2=0, c_2^2=1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$Reitsma_O$	$Reitsma_{P}$
25	SAUC	0.620	$0.559 \ (0.385, \ 0.699)$	$0.631\ (0.510,\ 0.725)$	$0.553 \ (0.359, \ 0.691)$	$0.637\ (0.509,\ 0.734)$	0.630 (0.537, 0.701)
	$\mu_1$	0.000	-0.157 (-0.385, 0.048)	0.002 (-0.139, 0.171)	-0.169 (-0.372, 0.004)	-0.029 (-0.171, 0.126)	$0.010 \ (-0.106, \ 0.136)$
	$\mu_2$	1.735	$1.766 \ (1.607, \ 1.935)$	$1.754 \ (1.589, \ 1.903)$	$1.794\ (1.640,\ 1.940)$	$1.898 \ (1.776, \ 2.025)$	$1.729\ (1.601,\ 1.850)$
	$ au_1^2$	0.500	$0.507 \ (0.300, \ 0.734)$	$0.420 \ (0.271, \ 0.613)$	$0.474 \ (0.298, \ 0.728)$	$0.406 \ (0.258, \ 0.597)$	$0.441 \ (0.314, \ 0.588)$
	$ au_2^2$	0.500	$0.409 \ (0.263, \ 0.578)$	$0.401 \ (0.257, \ 0.605)$	$0.383 \ (0.254, \ 0.537)$	$0.349\ (0.240,\ 0.481)$	$0.433 \ (0.319, \ 0.576)$
	$ au_{12}$	-0.150	-0.074 (-0.213, 0.051)	-0.125 (-0.261, -0.008)	-0.060 (-0.185, 0.075)	-0.114 (-0.228, -0.008)	-0.143 (-0.239, -0.039)
	$c_{1}^{2}$	0.000	$0.258 \ (0.017, \ 0.737)$				
	$\beta$	0.500	$1.629 \ (0.563, \ 2.000)$	$0.596 \ (0.255, \ 1.562)$	$0.486 \ (0.100, \ 1.366)$		
	$\alpha$	-0.993	-0.908 (-2.449, 0.336)	-1.096 (-2.634, -0.477)	-0.198 (-0.803, 0.264)		
	CR		98.8	99.3	99.7	100	100
50	SAUC	0.620	$0.547\ (0.425,\ 0.656)$	$0.624\ (0.543,\ 0.685)$	$0.529\ (0.405,\ 0.640)$	$0.629\ (0.543,\ 0.693)$	$0.622\ (0.563,\ 0.674)$
	$\mu_1$	0.000	-0.137 (-0.320, 0.024)	-0.003 (-0.109, 0.105)	-0.188 (-0.326, -0.052)	-0.037 (-0.141, 0.063)	-0.004 (-0.087, 0.080)
	$\mu_2$	1.735	$1.746 \ (1.622, \ 1.854)$	$1.740 \ (1.619, \ 1.851)$	$1.785 \ (1.689, \ 1.901)$	1.898 (1.813, 1.987)	$1.734\ (1.657,\ 1.811)$
	$\tau_1^2 \\ \tau_2^2$	0.500	$0.529 \ (0.392, \ 0.678)$	$0.469 \ (0.360, \ 0.593)$	$0.529 \ (0.389, \ 0.687)$	$0.461\ (0.351,\ 0.580)$	$0.474 \ (0.393, \ 0.578)$
	$ au_2^2$	0.500	$0.453 \ (0.350, \ 0.593)$	$0.465 \ (0.350, \ 0.605)$	$0.415 \ (0.329, \ 0.531)$	$0.391\ (0.309,\ 0.486)$	$0.474 \ (0.377, \ 0.576)$
	$ au_{12}$	-0.150	-0.087 (-0.189, 0.015)	-0.142 (-0.237, -0.056)	-0.065 (-0.162, 0.033)	-0.121 (-0.202, -0.045)	-0.145 (-0.221, -0.074)
	$c_{1}^{2}$	0.000	$0.118\ (0.002,\ 0.583)$				
	$\beta$	0.500	$0.891\ (0.525,\ 1.619)$	$0.569 \ (0.328, \ 0.935)$	$0.454 \ (0.158, \ 0.860)$		
	$\alpha$	-0.993	-1.021 (-1.874, -0.078)	-1.101 (-1.749, -0.615)	-0.196 (-0.524, 0.168)		
	CR		99.4	99.4	99.9	100	100
200	SAUC	0.620	$0.595 \ (0.540, \ 0.635)$	$0.621\ (0.584,\ 0.653)$	$0.550\ (0.489,\ 0.603)$	$0.626\ (0.587,\ 0.659)$	$0.620\ (0.591,\ 0.646)$
	$\mu_1$	0.000	-0.045 (-0.132, 0.019)	0.000 (-0.054, 0.051)	-0.171 (-0.236, -0.102)	-0.038 (-0.089, 0.010)	-0.000 (-0.045, 0.041)
	$\mu_2$	1.735	$1.743 \ (1.686, 1.803)$	$1.742\ (1.687,\ 1.796)$	$1.818\ (1.758,\ 1.869)$	$1.908\ (1.862,\ 1.956)$	$1.735\ (1.694,\ 1.781)$
	$\tau_1^2 \\ \tau_2^2$	0.500	$0.505 \ (0.445, \ 0.574)$	$0.491\ (0.437,\ 0.550)$	$0.534\ (0.473,\ 0.609)$	$0.484 \ (0.433, \ 0.544)$	$0.494 \ (0.449, \ 0.544)$
	$ au_2^2$	0.500	$0.478 \ (0.422, \ 0.554)$	$0.487 \ (0.425, \ 0.559)$	$0.427 \ (0.384, \ 0.478)$	$0.412\ (0.370,\ 0.458)$	$0.495 \ (0.448, \ 0.547)$
	$ au_{12}$	-0.150	-0.123 (-0.179, -0.069)	-0.148 (-0.198, -0.100)	-0.086 (-0.135, -0.037)	-0.129 (-0.170, -0.087)	-0.148 (-0.192, -0.110)
	$c_{1}^{2}$	0.000	$0.014\ (0.000,\ 0.105)$				
	$\beta$	0.500	$0.570 \ (0.454, \ 0.701)$	$0.521\ (0.406,\ 0.653)$	$0.371\ (0.222,\ 0.524)$		
	$\alpha$	-0.993	-1.016 (-1.284, -0.748)	-1.019 (-1.272, -0.802)	-0.175 (-0.346, 0.038)		
	CR		99.6	99.8	99.5	100	100

Table 2: Estimates of the parameters when  $c_1^2 = 0, c_2^2 = 1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	SAUC	0.702	$0.683 \ (0.567, \ 0.754)$	0.709 (0.633, 0.762)	$0.678 \ (0.530, \ 0.754)$	0.715 (0.640, 0.770)	0.708 (0.651, 0.751)
	$\mu_1$	0.000	-0.161 (-0.373, 0.034)	-0.003 (-0.156, 0.165)	-0.180 (-0.349, -0.007)	-0.066 (-0.213, 0.073)	0.001 (-0.119, 0.125)
	$\mu_2$	1.735	$1.802\ (1.651,\ 1.963)$	$1.752\ (1.584,\ 1.908)$	$1.822\ (1.682,\ 1.969)$	$1.899\ (1.770,\ 2.037)$	$1.736\ (1.608,\ 1.854)$
	$ au_1^2 \  au_2^2$	0.500	$0.482\ (0.318,\ 0.692)$	$0.433 \ (0.291, \ 0.616)$	$0.452\ (0.299,\ 0.656)$	$0.408\ (0.274,\ 0.571)$	$0.458 \ (0.332, \ 0.596)$
	$ au_2^2$	0.500	$0.396 \ (0.275, \ 0.572)$	$0.416\ (0.270,\ 0.631)$	$0.372 \ (0.258, \ 0.514)$	$0.362\ (0.250,\ 0.489)$	$0.448 \ (0.326, \ 0.584)$
	$ au_{12}$	-0.300	-0.231 (-0.372, -0.092)	-0.263 (-0.408, -0.136)	-0.198 (-0.328, -0.071)	-0.230 (-0.346, -0.123)	-0.277 (-0.390, -0.171)
	$c_{1}^{2}$	0.000	$0.216\ (0.002,\ 0.744)$				
	$\beta$	0.500	$1.448 \ (0.576, \ 2.000)$	$0.641 \ (0.244, 1.631)$	$0.469 \ (0.076, \ 1.199)$		
	$\alpha$	-0.996	-1.017 (-2.507, 0.249)	-1.235 (-2.583, -0.425)	-0.274 (-0.882, 0.256)		
	CR		99.3	99.5	99.9	100	100
50	SAUC	0.702	$0.682\ (0.609,\ 0.734)$	$0.706 \ (0.656, \ 0.746)$	$0.678\ (0.593,\ 0.733)$	$0.712\ (0.662,\ 0.752)$	$0.703\ (0.668,\ 0.735)$
	$\mu_1$	0.000	-0.120 (-0.302, 0.032)	0.005 (-0.111, 0.119)	-0.162 (-0.296, -0.052)	-0.070 (-0.176, 0.030)	0.006 (-0.079, 0.089)
	$\mu_2$	1.735	1.775 (1.654, 1.903)	1.738 (1.614, 1.849)	1.828 (1.733, 1.932)	1.896 (1.803, 1.986)	1.731 (1.648, 1.813)
	$ au_1^2 \  au_2^2$	0.500	$0.502 \ (0.385, \ 0.648)$	$0.466 \ (0.354, \ 0.599)$	$0.471\ (0.357,\ 0.618)$	$0.437 \ (0.338, \ 0.564)$	$0.461 \ (0.377, \ 0.566)$
	$ au_2^2$	0.500	$0.440 \ (0.347, \ 0.559)$	$0.461\ (0.358,\ 0.601)$	$0.398 \ (0.319, \ 0.498)$	$0.392\ (0.316,\ 0.479)$	$0.477 \ (0.390, \ 0.575)$
	$ au_{12}$	-0.300	-0.254 (-0.359, -0.164)	-0.280 (-0.390, -0.197)	-0.219 (-0.308, -0.130)	-0.246 (-0.326, -0.172)	-0.291 (-0.364, -0.219)
	$c_{1}^{2}$	0.000	$0.109\ (0.000,\ 0.582)$				
	$\beta$	0.500	$0.800 \ (0.456, \ 1.513)$	$0.543 \ (0.291, \ 0.908)$	$0.365 \ (0.109, \ 0.694)$		
	$\alpha$	-0.996	-0.960 (-1.807, -0.030)	-1.063 (-1.742, -0.553)	-0.205 (-0.592, 0.224)		
	CR		99.2	99.6	99.4	100	100
200	SAUC	0.702	$0.695 \ (0.662, \ 0.716)$	$0.705 \ (0.682, \ 0.723)$	$0.676 \ (0.645, \ 0.706)$	$0.713\ (0.689,\ 0.730)$	$0.703\ (0.687,\ 0.719)$
	$\mu_1$	0.000	-0.038 (-0.111, 0.033)	0.001 (-0.052, 0.060)	-0.163 (-0.229, -0.102)	-0.071 (-0.122, -0.020)	0.002 (-0.041, 0.046)
	$\mu_2$	1.735	$1.753\ (1.699,\ 1.814)$	$1.740\ (1.688,\ 1.794)$	1.842 (1.798, 1.889)	$1.905 \ (1.863, 1.947)$	$1.739\ (1.702,\ 1.777)$
	$ au_1^2$	0.500	$0.494 \ (0.435, \ 0.558)$	$0.494 \ (0.436, \ 0.551)$	$0.500\ (0.434,\ 0.562)$	$0.476 \ (0.417, \ 0.530)$	$0.494 \ (0.449, \ 0.545)$
	$ au_2^2$	0.500	$0.472\ (0.407,\ 0.540)$	$0.486 \ (0.419, \ 0.557)$	$0.414\ (0.368,\ 0.465)$	$0.412\ (0.366,\ 0.461)$	$0.489\ (0.444,\ 0.539)$
	$ au_{12}$	-0.300	-0.272 (-0.330, -0.221)	-0.292 (-0.349, -0.243)	-0.234 (-0.276, -0.189)	-0.254 (-0.297, -0.213)	-0.298 (-0.336, -0.254)
	$c_{1}^{2}$	0.000	$0.011\ (0.000,\ 0.099)$				
	$\beta$	0.500	$0.562 \ (0.437, \ 0.700)$	$0.507 \ (0.385, \ 0.644)$	$0.359\ (0.222,\ 0.507)$		
	$\alpha$	-0.996	-1.019 (-1.301, -0.748)	-0.995 (-1.260, -0.773)	-0.199 (-0.401, 0.026)		
	$\operatorname{CR}$		99.6	99.8	99.5	100	100

Table 3: Estimates of the parameters when  $c_1^2=0, c_2^2=1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$Reitsma_O$	$Reitsma_{P}$
25	SAUC	0.564	$0.481\ (0.365,\ 0.596)$	0.567 (0.467, 0.644)	$0.459 \ (0.351, \ 0.572)$	$0.572\ (0.467,\ 0.653)$	0.567 (0.513, 0.611)
	$\mu_1$	0.000	-0.269 (-0.569, -0.009)	-0.027 (-0.237, 0.176)	-0.287 (-0.533, -0.077)	-0.114 (-0.308, 0.054)	0.003 (-0.149, 0.163)
	$\mu_2$	1.735	$2.052\ (1.648,\ 2.469)$	$1.904 \ (1.466, \ 2.323)$	$2.150\ (1.770,\ 2.502)$	$2.585\ (2.325,\ 2.850)$	$1.740\ (1.485,\ 2.005)$
	$\begin{array}{c} \tau_1^2 \\ \tau_2^2 \end{array}$	1.000	1.009 (0.712, 1.401)	$0.909 \ (0.644, 1.234)$	$0.956 \ (0.663, \ 1.295)$	$0.849\ (0.607,\ 1.146)$	$0.908 \ (0.702, \ 1.197)$
	$ au_2^2$	4.000	2.845 (1.928, 4.108)	3.275 (2.156, 4.752)	2.574 (1.797, 3.711)	2.117 (1.526, 2.707)	$3.671\ (2.963,\ 4.495)$
	$ au_{12}$	-0.600	-0.225 (-0.670, 0.196)	-0.467 (-0.951, -0.042)	-0.115 (-0.472, 0.277)	-0.336 (-0.610, -0.025)	-0.553 (-0.881, -0.251)
	$c_{1}^{2}$	0.000	$0.230\ (0.002,\ 0.729)$				
	$\beta$	0.500	$2.000 \ (0.517, \ 2.000)$	$0.674 \ (0.246, \ 2.000)$	$0.467 \ (0.100, \ 2.000)$		
	$\alpha$	-0.432	-0.152 (-1.012, 0.666)	-0.404 (-1.121, 0.001)	$0.161 \ (-0.232, \ 0.479)$		
	CR		99.7	99.8	99.8	100	100
50	SAUC	0.564	$0.499 \ (0.415, \ 0.579)$	$0.561\ (0.497,\ 0.623)$	$0.465 \ (0.378, \ 0.555)$	$0.566 \ (0.498, \ 0.631)$	$0.564\ (0.529,\ 0.597)$
	$\mu_1$	0.000	-0.192 (-0.409, 0.009)	-0.014 (-0.164, 0.139)	-0.278 (-0.452, -0.117)	-0.123 (-0.248, 0.012)	0.005 (-0.114, 0.111)
	$\mu_2$	1.735	$1.913\ (1.597,\ 2.267)$	$1.800 \ (1.479, \ 2.151)$	$2.197\ (1.860,\ 2.516)$	$2.599\ (2.414,\ 2.789)$	$1.752\ (1.539,\ 1.935)$
	$\tau_1^2 \\ \tau_2^2$	1.000	$1.010 \ (0.770, \ 1.280)$	$0.939\ (0.726,\ 1.174)$	$0.976 \ (0.761, \ 1.250)$	$0.903\ (0.705,\ 1.115)$	$0.947 \ (0.776, \ 1.133)$
	$ au_2^2$	4.000	3.337 (2.385, 4.502)	$3.704\ (2.732,\ 4.828)$	$2.653\ (2.110,\ 3.506)$	$2.236\ (1.838,\ 2.659)$	3.910 (3.326, 4.469)
	$ au_{12}$	-0.600	-0.317 (-0.664, 0.062)	-0.517 (-0.899, -0.227)	-0.140 (-0.410, 0.141)	-0.332 (-0.564, -0.143)	-0.559 (-0.817, -0.346)
	$c_{1}^{2}$	0.000	$0.073\ (0.000,\ 0.528)$				
	$\beta$	0.500	$0.770 \ (0.423, \ 2.000)$	$0.596 \ (0.320, \ 1.197)$	$0.380 \ (0.074, \ 0.754)$		
	$\alpha$	-0.432	-0.247 (-0.708, 0.261)	-0.397 (-0.772, -0.129)	0.128 (-0.144, 0.386)		
	$\operatorname{CR}$		99.6	99.3	99.6	100	100
200	SAUC	0.564	$0.548 \ (0.503, \ 0.583)$	$0.566 \ (0.533, \ 0.594)$	$0.492\ (0.422,\ 0.552)$	$0.573\ (0.539,\ 0.603)$	$0.563 \ (0.547, \ 0.582)$
	$\mu_1$	0.000	-0.047 (-0.142, 0.043)	-0.004 (-0.078, 0.072)	-0.251 (-0.362, -0.155)	-0.118 (-0.185, -0.053)	-0.001 (-0.057, 0.053)
	$\mu_2$	1.735	$1.765 \ (1.574, \ 1.957)$	$1.749\ (1.567,\ 1.935)$	$2.246\ (2.010,\ 2.496)$	$2.594\ (2.496,\ 2.685)$	1.733 (1.633, 1.837)
	$ au_1^2 \  au_2^2$	1.000	$0.992 \ (0.881, \ 1.111)$	$0.986 \ (0.880, \ 1.101)$	1.009 (0.898, 1.130)	$0.950 \ (0.852, 1.057)$	$0.986\ (0.900,\ 1.079)$
	$ au_2^2$	4.000	3.915 (3.291, 4.507)	$3.931 \ (3.393, 4.508)$	$2.616\ (2.285,\ 3.089)$	$2.313\ (2.099,\ 2.522)$	3.948 (3.665, 4.249)
	$ au_{12}$	-0.600	-0.503 (-0.719, -0.311)	-0.586 (-0.771, -0.397)	-0.218 (-0.385, -0.033)	-0.367 (-0.477, -0.256)	-0.593 (-0.717, -0.479)
	$c_{1}^{2}$	0.000	$0.000 \ (0.000, \ 0.029)$				
	$\beta$	0.500	$0.559 \ (0.436, \ 0.726)$	$0.521\ (0.411,\ 0.676)$	$0.286\ (0.040,\ 0.485)$		
	$\alpha$	-0.432	-0.414 (-0.549, -0.275)	$-0.425 \ (-0.546, -0.307)$	$0.055 \ (-0.076, \ 0.367)$		
	$\operatorname{CR}$		99.1	99.7	99.3	100	100

Table 4: Estimates of the parameters when  $c_1^2 = 0, c_2^2 = 1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	SAUC	0.620	0.551 (0.455, 0.642)	0.619 (0.546, 0.687)	0.538 (0.440, 0.634)	0.628 (0.552, 0.698)	0.620 (0.579, 0.657)
	$\mu_1$	0.000	-0.354 (-0.637, -0.055)	-0.077 (-0.270, 0.132)	-0.339 (-0.529, -0.132)	-0.244 (-0.421, -0.070)	-0.006 (-0.151, 0.150)
	$\mu_2$	1.735	$2.139\ (1.720,\ 2.528)$	$1.919\ (1.467,\ 2.321)$	$2.183\ (1.786,\ 2.548)$	$2.594\ (2.314,\ 2.869)$	$1.743\ (1.451,\ 2.020)$
	$ au_1^2 \  au_2^2$	1.000	$0.892\ (0.626,\ 1.262)$	$0.849 \ (0.595, 1.200)$	$0.782\ (0.552,\ 1.077)$	$0.749\ (0.528,\ 1.002)$	$0.916\ (0.684,\ 1.151)$
	$ au_2^2$	4.000	$2.763\ (1.945,\ 3.828)$	$3.263\ (2.202,\ 4.785)$	2.547 (1.822, 3.644)	$2.082\ (1.572,\ 2.772)$	3.746 (2.982, 4.614)
	$ au_{12}$	-1.200	-0.690 (-1.116, -0.288)	-0.935 (-1.502, -0.507)	-0.556 (-0.915, -0.202)	-0.652 (-0.976, -0.364)	-1.133 (-1.507, -0.779)
	$c_{1}^{2}$	0.000	$0.370\ (0.013,\ 0.810)$				
	$\beta$	0.500	$2.000 \ (0.611, \ 2.000)$	$0.669 \ (0.261, \ 2.000)$	$0.541 \ (0.125, \ 1.927)$		
	$\alpha$	-0.438	-0.219 (-1.222, 0.661)	-0.469 (-1.232, -0.016)	-0.021 (-0.483, 0.363)		
	CR		99.7	100	99.8	99.9	100
50	SAUC	0.620	$0.567 \ (0.474, \ 0.628)$	$0.619\ (0.568,\ 0.666)$	$0.540\ (0.459,\ 0.624)$	$0.630\ (0.577,\ 0.677)$	$0.619\ (0.589,\ 0.646)$
	$\mu_1$	0.000	-0.237 (-0.534, -0.024)	-0.046 (-0.191, 0.105)	-0.339 (-0.477, -0.192)	-0.247 (-0.374, -0.123)	0.001 (-0.121, 0.100)
	$\mu_2$	1.735	1.970 (1.613, 2.336)	1.810 (1.508, 2.163)	2.208 (1.895, 2.486)	2.589(2.419, 2.774)	1.732 (1.528, 1.926)
	$ au_1^2 \  au_2^2$	1.000	$0.954 \ (0.709, \ 1.206)$	$0.929\ (0.705,\ 1.162)$	$0.838 \ (0.662, 1.048)$	$0.809\ (0.640,\ 1.015)$	$0.962 \ (0.819, \ 1.124)$
	$ au_2^2$	4.000	$3.192\ (2.318,\ 4.305)$	$3.573\ (2.667,\ 4.749)$	$2.673\ (2.084,\ 3.338)$	$2.194\ (1.814,\ 2.653)$	3.890 (3.331, 4.430)
	$ au_{12}$	-1.200	-0.796 (-1.219, -0.451)	-1.066 (-1.488, -0.716)	-0.590 (-0.829, -0.325)	-0.702 (-0.908, -0.489)	-1.159 (-1.422, -0.941)
	$c_{1}^{2}$	0.000	$0.125\ (0.000,\ 0.676)$				
	$\beta$	0.500	$0.949 \ (0.488, \ 2.000)$	$0.571 \ (0.311, \ 1.224)$	$0.414\ (0.094,\ 0.897)$		
	$\alpha$	-0.438	-0.279 (-0.831, 0.365)	-0.426 (-0.767, -0.104)	-0.019 (-0.317, 0.291)		
	CR		99.7	99.7	99.9	100	100
200	SAUC	0.620	$0.603\ (0.566,\ 0.630)$	$0.619\ (0.595,\ 0.642)$	$0.563 \ (0.510, \ 0.609)$	$0.630\ (0.606,\ 0.654)$	$0.618\ (0.605,\ 0.632)$
	$\mu_1$	0.000	-0.066 (-0.182, 0.031)	-0.016 (-0.096, 0.069)	-0.317 (-0.390, -0.243)	-0.243 (-0.300, -0.180)	-0.006 (-0.055, 0.047)
	$\mu_2$	1.735	1.787 (1.595, 2.025)	1.748 (1.575, 1.940)	2.268 (2.068, 2.464)	$2.589\ (2.495,\ 2.689)$	1.742 (1.640, 1.837)
	$ au_1^2 \  au_2^2$	1.000	$0.962 \ (0.844, 1.085)$	0.974 (0.866, 1.104)	$0.868 \ (0.777, \ 0.967)$	$0.849\ (0.761,\ 0.950)$	$0.976 \ (0.893, 1.065)$
	$ au_2^2$	4.000	3.764 (3.036, 4.462)	$3.858 \ (3.297, 4.492)$	$2.573 \ (2.275, \ 2.989)$	$2.282 \ (2.067, \ 2.536)$	3.913 (3.610, 4.240)
	$ au_{12}$	-1.200	-1.044 (-1.293, -0.805)	-1.160 (-1.380, -0.940)	-0.642 (-0.769, -0.518)	-0.723 (-0.828, -0.607)	-1.165 (-1.304, -1.055)
	$c_{1}^{2}$	0.000	$0.002 \ (0.000, \ 0.058)$				
	$\dot{eta}$	0.500	$0.566 \ (0.429, \ 0.734)$	$0.526 \ (0.399, \ 0.659)$	$0.329\ (0.108,\ 0.517)$		
	$\alpha$	-0.438	-0.430 (-0.581, -0.269)	-0.427 (-0.549, -0.314)	-0.077 (-0.216, 0.209)		
	CR		99.5	99.9	99.7	100	99.9

Table 5: Estimates of the parameters when  $c_1^2 = 0, c_2^2 = 1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	SAUC	0.828	0.796 (0.718, 0.853)	$0.825\ (0.775,\ 0.865)$	$0.782\ (0.695,\ 0.843)$	$0.829\ (0.775,\ 0.870)$	$0.826\ (0.799,\ 0.850)$
	$\mu_1$	1.386	1.169 (0.876, 1.422)	1.352 (1.157, 1.563)	1.115 (0.888, 1.334)	1.256 (1.082, 1.436)	1.385 (1.218, 1.541)
	$\mu_2$	1.386	$1.771 \ (1.356, \ 2.171)$	$1.555 \ (1.135, \ 1.974)$	$1.904\ (1.527,\ 2.236)$	$2.252 \ (1.988, \ 2.523)$	$1.392\ (1.119,\ 1.687)$
	$ au_1^2 \  au_2^2$	1.000	$0.997 \ (0.663, \ 1.376)$	$0.886 \ (0.609, 1.242)$	$0.912\ (0.612,\ 1.265)$	$0.818 \ (0.566, 1.150)$	$0.915 \ (0.670, \ 1.158)$
	$ au_2^2$	4.000	$2.737\ (1.842,\ 4.163)$	3.293 (2.185, 4.758)	2.376 (1.665, 3.447)	$2.023\ (1.475,\ 2.627)$	$3.659\ (2.932,\ 4.595)$
	$ au_{12}$	-0.600	-0.318 (-0.780, 0.108)	-0.451 (-0.936, -0.040)	-0.157 (-0.541, 0.214)	-0.313 (-0.634, -0.032)	-0.532 (-0.875, -0.255)
	$c_{1}^{2}$	0.000	$0.163\ (0.000,\ 0.779)$				
	$\beta$	0.500	$2.000 \ (0.428, \ 2.000)$	$0.726\ (0.245,\ 2.000)$	$0.346 \ (0.072, \ 1.197)$		
	$\alpha$	-0.113	-0.369 (-1.485, 0.262)	-0.040 (-0.497, 0.377)	-0.363 (-1.254, 0.180)		
	CR		99.8	99.6	99.8	100	99.8
50	SAUC	0.828	$0.809\ (0.753,\ 0.842)$	$0.829\ (0.795,\ 0.854)$	$0.790\ (0.723,\ 0.835)$	$0.832\ (0.797,\ 0.858)$	$0.826\ (0.808,\ 0.845)$
	$\mu_1$	1.386	1.229 (1.014, 1.428)	$1.362 \ (1.212, \ 1.526)$	1.132 (0.962, 1.283)	1.260 (1.121, 1.388)	1.376 (1.262, 1.504)
	$\mu_2$	1.386	1.642 (1.256, 2.039)	1.474 (1.116, 1.827)	$1.966 \ (1.657, \ 2.210)$	2.269 (2.089, 2.457)	1.386 (1.182, 1.584)
	$ au_1^2 \  au_2^2$	1.000	$0.997 \ (0.789, 1.288)$	$0.943 \ (0.764, 1.167)$	$0.980\ (0.767,\ 1.208)$	$0.910\ (0.727,\ 1.105)$	$0.958 \ (0.807, 1.141)$
	$ au_2^2$	4.000	$3.219\ (2.241,\ 4.476)$	$3.660\ (2.693,\ 4.745)$	$2.502\ (1.947,\ 3.206)$	$2.129\ (1.766,\ 2.599)$	3.832 (3.310, 4.448)
	$ au_{12}$	-0.600	-0.350 (-0.777, -0.041)	-0.516 (-0.923, -0.206)	-0.203 (-0.481, 0.103)	-0.335 (-0.568, -0.136)	-0.576 (-0.817, -0.347)
	$c_{1}^{2}$	0.000	$0.011\ (0.000,\ 0.504)$				
	$\beta$	0.500	$0.715 \ (0.369, \ 2.000)$	$0.559 \ (0.305, \ 1.207)$	$0.258 \ (0.064, \ 0.642)$		
	$\alpha$	-0.113	-0.218 (-0.747, 0.154)	-0.051 (-0.284, 0.244)	-0.284 (-0.786, 0.188)		
	CR		99.8	99.8	99.4	100	100
200	SAUC	0.828	$0.823\ (0.803,\ 0.838)$	$0.828 \ (0.812, \ 0.842)$	0.797 (0.761, 0.824)	$0.832\ (0.815,\ 0.846)$	$0.828 \ (0.819, \ 0.835)$
	$\mu_1$	1.386	1.356 (1.259, 1.440)	1.383 (1.302, 1.459)	1.149 (1.055, 1.240)	1.263 (1.197, 1.328)	1.383 (1.332, 1.436)
	$\mu_2$	1.386	$1.412\ (1.237,\ 1.620)$	$1.396\ (1.226,\ 1.575)$	$2.009\ (1.831,\ 2.184)$	$2.278\ (2.184,\ 2.374)$	1.384 (1.296, 1.488)
	$\begin{array}{c} \tau_1^2 \\ \tau_2^2 \end{array}$	1.000	$0.990 \ (0.879, 1.118)$	$0.987 \ (0.871, 1.108)$	$1.000 \ (0.873, \ 1.121)$	$0.952\ (0.843,\ 1.054)$	$0.994 \ (0.903, 1.080)$
	$ au_2^2$	4.000	$3.913 \ (3.295, 4.502)$	3.946 (3.409, 4.499)	$2.471\ (2.199,\ 2.827)$	$2.243\ (2.023,\ 2.457)$	3.977 (3.668, 4.263)
	$ au_{12}$	-0.600	-0.538 (-0.742, -0.338)	-0.579 (-0.770, -0.401)	-0.260 (-0.391, -0.119)	-0.347 (-0.464, -0.252)	-0.597 (-0.717, -0.473)
	$c_{1}^{2}$	0.000	$0.000 \ (0.000, \ 0.004)$				
	$\beta$	0.500	$0.554 \ (0.420, \ 0.726)$	$0.525 \ (0.411, \ 0.692)$	$0.237 \ (0.061, \ 0.391)$		
	$\alpha$	-0.113	-0.141 (-0.292, -0.005)	-0.107 (-0.210, 0.020)	$-0.270 \ (-0.574, \ 0.219)$		
	CR		99.3	99	99.6	99.9	99.9

Table 6: Estimates of the parameters when  $c_1^2=0, c_2^2=1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$Reitsma_O$	$Reitsma_{P}$
25	SAUC	0.846	$0.829\ (0.779,\ 0.862)$	0.843 (0.810, 0.871)	$0.816\ (0.756,\ 0.859)$	0.850 (0.815, 0.877)	0.845 (0.824, 0.864)
	$\mu_1$	1.386	$1.111 \ (0.826, \ 1.366)$	$1.313\ (1.124,\ 1.548)$	$1.055 \ (0.857, \ 1.250)$	$1.131\ (0.961,\ 1.295)$	$1.379\ (1.208,\ 1.539)$
	$\mu_2$	1.386	$1.866 \ (1.385, \ 2.260)$	1.545 (1.147, 1.979)	$1.963\ (1.606,\ 2.280)$	$2.276\ (2.018,\ 2.516)$	$1.395\ (1.126,\ 1.668)$
	$\begin{array}{c} \tau_1^2 \\ \tau_2^2 \end{array}$	1.000	$0.892\ (0.623,\ 1.256)$	$0.883 \ (0.589, 1.214)$	$0.783 \ (0.539, \ 1.101)$	$0.764 \ (0.514, \ 1.049)$	$0.924\ (0.704,\ 1.186)$
	$ au_2^2$	4.000	$2.631\ (1.771,\ 4.057)$	3.387 (2.117, 4.673)	$2.257 \ (1.610, \ 3.277)$	$1.965 \ (1.470, \ 2.663)$	3.669 (2.933, 4.505)
	$ au_{12}$	-1.200	-0.741 (-1.226, -0.368)	-0.937 (-1.523, -0.548)	-0.582 (-0.906, -0.247)	-0.647 (-0.945, -0.360)	-1.101 (-1.493, -0.786)
	$c_{1}^{2}$	0.000	$0.245 \ (0.000, \ 0.831)$				
	$\beta$	0.500	$2.000 \ (0.480, \ 2.000)$	$0.710\ (0.274,\ 2.000)$	$0.376 \ (0.068, \ 1.094)$		
	$\alpha$	-0.106	-0.619 (-1.819, 0.133)	-0.038 (-0.496, 0.359)	-0.605 (-1.522, 0.210)		
	CR		99.6	100	99.4	100	100
50	SAUC	0.846	$0.837\ (0.803,\ 0.860)$	$0.849\ (0.828,\ 0.868)$	$0.829\ (0.790,\ 0.858)$	$0.854\ (0.833,\ 0.873)$	$0.847 \ (0.834, \ 0.859)$
	$\mu_1$	1.386	$1.226 \ (0.983, \ 1.421)$	$1.371\ (1.207,\ 1.535)$	$1.090 \ (0.955, \ 1.237)$	1.157 (1.031, 1.279)	$1.402 \ (1.289, 1.504)$
	$\mu_2$	1.386	$1.663\ (1.293,\ 2.086)$	1.448 (1.128, 1.804)	$1.997 \ (1.746, \ 2.238)$	$2.266\ (2.070,\ 2.447)$	$1.372\ (1.184,\ 1.566)$
	$\tau_1^2 \\ \tau_2^2$	1.000	$0.939\ (0.729,\ 1.183)$	$0.931\ (0.733,\ 1.165)$	$0.827 \ (0.658, \ 1.001)$	$0.814\ (0.648,\ 0.987)$	$0.949 \ (0.788, 1.115)$
	$ au_2^2$	4.000	$3.193\ (2.130,\ 4.417)$	3.676 (2.632, 4.846)	$2.400 \ (1.859, \ 3.062)$	$2.159\ (1.747,\ 2.629)$	3.868 (3.273, 4.496)
	$ au_{12}$	-1.200	$-0.896 \ (-1.332, -0.558)$	-1.074 (-1.524, -0.726)	-0.625 (-0.871, -0.404)	-0.680 (-0.925, -0.496)	-1.156 (-1.392, -0.921)
	$c_{1}^{2}$	0.000	$0.015\ (0.000,\ 0.632)$				
	$\beta$	0.500	$0.778 \ (0.366, \ 2.000)$	$0.575 \ (0.320, \ 1.159)$	$0.249\ (0.043,\ 0.636)$		
	$\alpha$	-0.106	-0.274 (-0.929, 0.193)	-0.025 (-0.303, 0.264)	-0.337 (-1.014, 0.261)		
	$\operatorname{CR}$		99.3	99.8	99.8	100	100
200	SAUC	0.846	$0.843 \ (0.830, \ 0.853)$	$0.846 \ (0.836, \ 0.855)$	$0.834\ (0.813,\ 0.849)$	$0.852\ (0.842,\ 0.862)$	$0.846 \ (0.839, \ 0.852)$
	$\mu_1$	1.386	1.347 (1.240, 1.436)	1.378 (1.300, 1.454)	1.089 (1.020, 1.161)	1.137 (1.076, 1.197)	1.384 (1.326, 1.437)
	$\mu_2$	1.386	$1.431\ (1.259,\ 1.657)$	$1.394 \ (1.236, \ 1.574)$	$2.087\ (1.920,\ 2.234)$	$2.282\ (2.183,\ 2.370)$	1.390 (1.284, 1.482)
	$\tau_1^2 \\ \tau_2^2$	1.000	$0.976 \ (0.869, 1.104)$	$0.985 \ (0.878, 1.110)$	$0.863\ (0.770,\ 0.960)$	$0.857 \ (0.764, \ 0.947)$	$0.993 \ (0.902, 1.076)$
	$ au_2^2$	4.000	3.877 (3.196, 4.505)	$3.982 \ (3.414, 4.553)$	$2.402\ (2.145,\ 2.696)$	$2.254\ (2.044,\ 2.472)$	$3.991 \ (3.689, 4.280)$
	$ au_{12}$	-1.200	-1.111 (-1.363, -0.886)	-1.183 (-1.400, -0.974)	-0.673 (-0.794, -0.564)	-0.709 (-0.822, -0.607)	-1.197 (-1.323, -1.058)
	$c_{1}^{2}$	0.000	$0.000 \ (0.000, \ 0.004)$				
	$\beta$	0.500	$0.548 \ (0.408, \ 0.714)$	$0.529\ (0.406,\ 0.687)$	$0.190\ (0.045,\ 0.366)$		
	$\alpha$	-0.106	$-0.133 \ (-0.286, \ 0.017)$	-0.095 (-0.207, 0.026)	$-0.166 \ (-0.568, \ 0.305)$		
	$\operatorname{CR}$		99.5	99.3	99.4	100	99.9

Table 7: Estimates of the parameters when  $c_1^2 = 0, c_2^2 = 1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	SAUC	0.892	0.877 (0.849, 0.900)	0.886 (0.867, 0.906)	0.873 (0.846, 0.896)	0.887 (0.868, 0.906)	0.891 (0.873, 0.905)
	$\mu_1$	2.197	$2.038 \ (1.776, \ 2.279)$	2.167 (1.971, 2.390)	1.960 (1.728, 2.170)	$2.072 \ (1.894, \ 2.266)$	2.211 (2.048, 2.351)
	$\mu_2$	-0.405	-0.109 (-0.563, 0.400)	-0.222 (-0.668, 0.139)	$0.165 \ (-0.298, \ 0.523)$	$0.508\ (0.241,\ 0.817)$	-0.406 (-0.681, -0.122)
	$ au_1^2 \  au_2^2$	1.000	$0.936\ (0.650,\ 1.301)$	$0.884\ (0.622,\ 1.177)$	$0.901 \ (0.614, \ 1.248)$	$0.839\ (0.577,\ 1.132)$	$0.920 \ (0.676, \ 1.165)$
	$ au_2^2$	4.000	$3.188\ (2.069,\ 4.575)$	$3.392\ (2.310,\ 4.751)$	$2.602\ (1.755,\ 3.948)$	$2.110 \ (1.519, \ 2.867)$	$3.840\ (2.979,\ 4.702)$
	$ au_{12}$	-0.600	-0.347 (-0.847, 0.068)	-0.470 (-0.988, -0.069)	-0.193 (-0.572, 0.203)	-0.343 (-0.671, -0.048)	-0.598 (-0.900, -0.241)
	$c_{1}^{2}$	0.000	$0.012\ (0.000,\ 0.729)$				
	$\beta$	0.500	$2.000 \ (0.519, \ 2.000)$	$0.831\ (0.320,\ 2.000)$	$0.248 \ (0.044, \ 1.036)$		
	$\alpha$	1.727	1.320 (-0.313, 5.172)	$2.753 \ (0.954, \ 6.314)$	$0.249 \ (-0.099, \ 0.532)$		
	CR		99.6	99.1	99.9	100	99.8
50	SAUC	0.892	0.884 (0.867, 0.899)	0.890 (0.876, 0.902)	0.878 (0.858, 0.894)	0.892 (0.877, 0.904)	0.891 (0.879, 0.902)
	$\mu_1$	2.197	2.114 (1.905, 2.304)	2.194 (2.041, 2.345)	1.964 (1.797, 2.115)	2.084 (1.949, 2.215)	2.197(2.085, 2.308)
	$\mu_2$	-0.405	-0.310 (-0.663, 0.052)	-0.354 (-0.676, -0.090)	0.180 (-0.191, 0.477)	$0.498 \ (0.308, \ 0.692)$	-0.412 (-0.607, -0.229)
	$ au_1^2$	1.000	$1.003\ (0.786,\ 1.275)$	$0.970 \ (0.767, 1.215)$	0.977(0.777, 1.243)	$0.936\ (0.741,\ 1.154)$	0.962 (0.814, 1.157)
	$ au_1^2  au_2^2$	4.000	$3.689\ (2.758,\ 4.749)$	$3.783 \ (2.925, 4.761)$	$2.703\ (2.043,\ 3.679)$	$2.271\ (1.834,\ 2.843)$	3.861 (3.272, 4.436)
	$ au_{12}$	-0.600	-0.433 (-0.822, -0.119)	-0.521 (-0.907, -0.211)	-0.231 (-0.509, 0.068)	-0.359 (-0.607, -0.149)	-0.561 (-0.807, -0.339)
	$c_{1}^{2}$	0.000	$0.000\ (0.000,\ 0.084)$				
	$\beta$	0.500	$0.891\ (0.458,\ 2.000)$	$0.662\ (0.373,\ 2.000)$	$0.151\ (0.043,\ 0.592)$		
	$\alpha$	1.727	$2.017 \ (0.716, \ 5.185)$	$2.336\ (1.231,\ 5.764)$	$0.266 \ (0.025, \ 0.466)$		
	CR		99.8	99.5	99.9	100	100
200	SAUC	0.892	0.890 (0.884, 0.897)	0.891 (0.885, 0.898)	$0.885 \ (0.874, \ 0.893)$	0.893 (0.886, 0.899)	0.892 (0.886, 0.897)
	$\mu_1$	2.197	2.182 (2.108, 2.261)	2.191 (2.117, 2.267)	2.016 (1.926, 2.100)	2.078 (2.015, 2.147)	2.197(2.143, 2.254)
	$\mu_2$	-0.405	-0.399 (-0.543, -0.256)	-0.386 (-0.532, -0.251)	$0.338\ (0.147,\ 0.473)$	$0.506\ (0.405,\ 0.598)$	-0.403 (-0.505, -0.305)
	$ au_1^{-2}$	1.000	0.988 (0.890, 1.098)	0.988 (0.890, 1.093)	0.979 (0.883, 1.095)	0.961 (0.867, 1.057)	0.995 (0.908, 1.077)
	$ au_1^2  au_2^2$	4.000	3.989 (3.495, 4.506)	3.940 (3.466, 4.423)	2.546 (2.231, 2.961)	2.408 (2.141, 2.666)	3.956 (3.683, 4.264)
	$ au_{12}$	-0.600	-0.572 (-0.751, -0.393)	-0.586 (-0.757, -0.404)	-0.326 (-0.463, -0.178)	-0.389 (-0.500, -0.272)	-0.578 (-0.708, -0.466)
	$c_{1}^{2}$	0.000	0.000(0.000, 0.000)			,	
	$\dot{eta}$	0.500	$0.544 \ (0.429, \ 0.702)$	$0.522\ (0.416,\ 0.659)$	$0.072\ (0.037,\ 0.203)$		
	$\alpha$	1.727	$1.797 \ (1.403, \ 2.386)$	$1.788 \ (1.402, \ 2.355)$	$0.304 \ (0.115, \ 0.418)$		
	CR		99.6	99.6	99.8	100	99.8

Table 8: Estimates of the parameters when  $c_1^2 = 0, c_2^2 = 1$ 

$\overline{S}$	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed $(c_1^2 = 0)$	Proposed $(c_1^2 = c_2^2)$	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	SAUC	0.877	0.866 (0.840, 0.887)	0.874 (0.854, 0.893)	0.863 (0.841, 0.884)	$0.876\ (0.857,\ 0.895)$	$0.876\ (0.858,\ 0.893)$
	$\mu_1$	2.197	1.987 (1.708, 2.252)	2.161 (1.950, 2.366)	1.911 (1.705, 2.109)	$1.965 \ (1.774, \ 2.152)$	$2.205 \ (2.045, \ 2.355)$
	$\mu_2$	-0.405	-0.065 (-0.541, 0.420)	-0.277 (-0.673, 0.095)	$0.134 \ (-0.302, \ 0.534)$	$0.496 \ (0.224, \ 0.762)$	-0.415 (-0.704, -0.124)
	$ au_1^2 \  au_2^2$	1.000	$0.901\ (0.593,\ 1.285)$	$0.866 \ (0.587, \ 1.212)$	$0.790\ (0.548,\ 1.089)$	$0.773\ (0.531,\ 1.065)$	$0.910 \ (0.676, \ 1.139)$
	$ au_2^2$	4.000	3.174 (2.015, 4.583)	3.454 (2.319, 4.904)	$2.685\ (1.767,\ 3.981)$	$2.201\ (1.535,\ 2.973)$	$3.708 \ (3.006, 4.656)$
	$ au_{12}$	-1.200	-0.860 (-1.364, -0.454)	-1.014 (-1.552, -0.600)	-0.630 (-1.037, -0.305)	-0.705 (-1.058, -0.417)	-1.132 (-1.508, -0.791)
	$c_{1}^{2}$	0.000	$0.062\ (0.000,\ 0.819)$				
	$\beta$	0.500	$2.000 \ (0.557, \ 2.000)$	$0.995 \ (0.357, \ 2.000)$	$0.252 \ (0.035, \ 1.372)$		
	$\alpha$	1.732	$1.030 \ (-0.668, \ 5.073)$	$2.975 \ (1.111, \ 6.555)$	$0.201 \ (-0.217, \ 0.494)$		
	CR		99.9	99.7	99.8	100	100
50	SAUC	0.877	0.871 (0.854, 0.885)	0.875 (0.863, 0.888)	0.867 (0.851, 0.883)	0.878 (0.866, 0.891)	$0.876 \ (0.865, \ 0.888)$
	$\mu_1$	2.197	2.090 (1.878, 2.258)	2.175 (2.036, 2.327)	1.907 (1.760, 2.047)	1.957 (1.828, 2.081)	$2.191\ (2.072,\ 2.302)$
	$\mu_2$	-0.405	-0.281 (-0.600, 0.120)	-0.347 (-0.617, -0.087)	0.253 (-0.125, 0.501)	0.500(0.317, 0.694)	-0.388 (-0.585, -0.184)
	$ au_1^2$	1.000	0.940 (0.734, 1.199)	$0.922 \ (0.732, 1.170)$	0.840 (0.668, 1.052)	$0.823\ (0.660,\ 1.020)$	0.942 (0.776, 1.137)
	$ au_1^2  au_2^2$	4.000	3.658 (2.693, 4.631)	3.779(2.911, 4.651)	$2.575 \ (1.963, \ 3.558)$	2.316 (1.832, 2.752)	3.810 (3.322, 4.406)
	$ au_{12}$	-1.200	-1.003 (-1.446, -0.668)	-1.111 (-1.513, -0.775)	-0.703 (-0.968, -0.439)	-0.744 (-0.995, -0.529)	-1.157 (-1.401, -0.918)
	$c_{1}^{2}$	0.000	$0.000\ (0.000,\ 0.359)$				
	$\beta$	0.500	$1.010\ (0.482,\ 2.000)$	$0.678 \ (0.384, \ 2.000)$	$0.107 \ (0.028, \ 0.714)$		
	$\alpha$	1.732	$1.936 \ (0.476, \ 5.032)$	$2.285\ (1.274,\ 5.629)$	0.293 (-0.012, 0.492)		
	CR		99.7	99.9	99.7	100	99.9
200	SAUC	0.877	0.876 (0.869, 0.882)	0.877 (0.870, 0.882)	0.875 (0.867, 0.882)	0.879 (0.873, 0.885)	0.877 (0.871, 0.882)
	$\mu_1$	2.197	2.184 (2.101, 2.255)	2.193 (2.117, 2.262)	1.938 (1.869, 2.000)	1.958 (1.891, 2.018)	2.196 (2.135, 2.249)
	$\mu_2$	-0.405	-0.390 (-0.538, -0.247)	-0.390 (-0.529, -0.265)	$0.396\ (0.277,\ 0.524)$	$0.498\ (0.397,\ 0.595)$	-0.398 (-0.502, -0.301)
	$ au_1^{ar{2}}$	1.000	0.985 (0.878, 1.104)	0.986 (0.880, 1.103)	$0.883\ (0.791,\ 0.983)$	0.878 (0.791, 0.982)	0.995 (0.907, 1.083)
	$ au_1^2  au_2^2$	4.000	3.961 (3.436, 4.492)	3.958 (3.452, 4.464)	2.485 (2.200, 2.821)	2.409(2.151, 2.702)	$3.962 \ (3.659, 4.259)$
	$ au_{12}$	-1.200	-1.177 (-1.394, -0.995)	-1.186 (-1.396, -1.010)	-0.776 (-0.900, -0.663)	-0.784 (-0.904, -0.678)	-1.197 (-1.338, -1.075)
	$c_{1}^{2}$	0.000	0.000 (0.000, 0.000)	,	,	,	
	$\dot{eta}$	0.500	$0.537 \ (0.429, \ 0.727)$	$0.522\ (0.419,\ 0.689)$	$0.045\ (0.024,\ 0.087)$		
	$\alpha$	1.732	$1.805 \ (1.372, \ 2.490)$	1.807 (1.405, 2.446)	$0.380\ (0.271,\ 0.474)$		
	CR		99.3	99.7	99.8	100	99.9