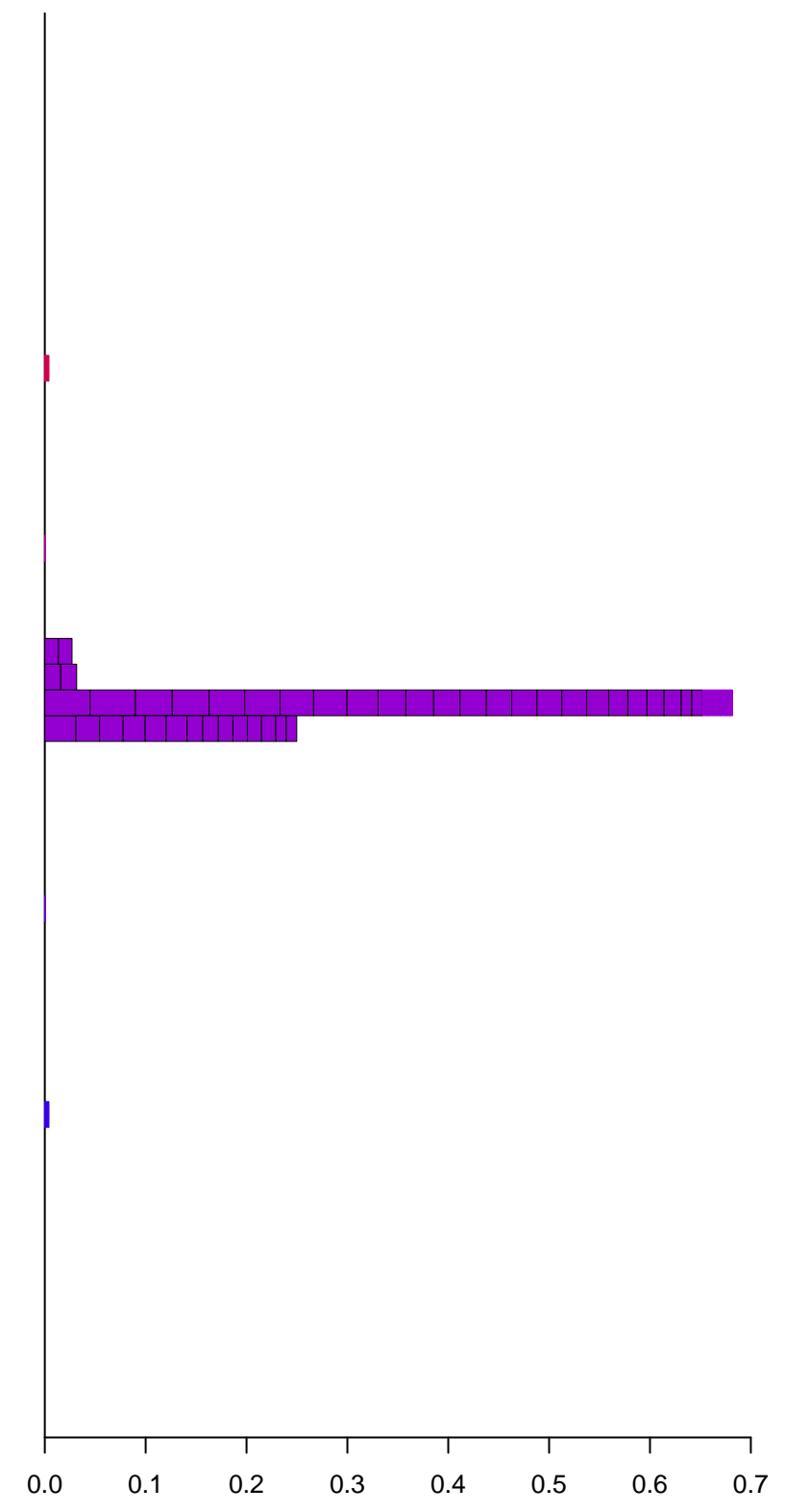
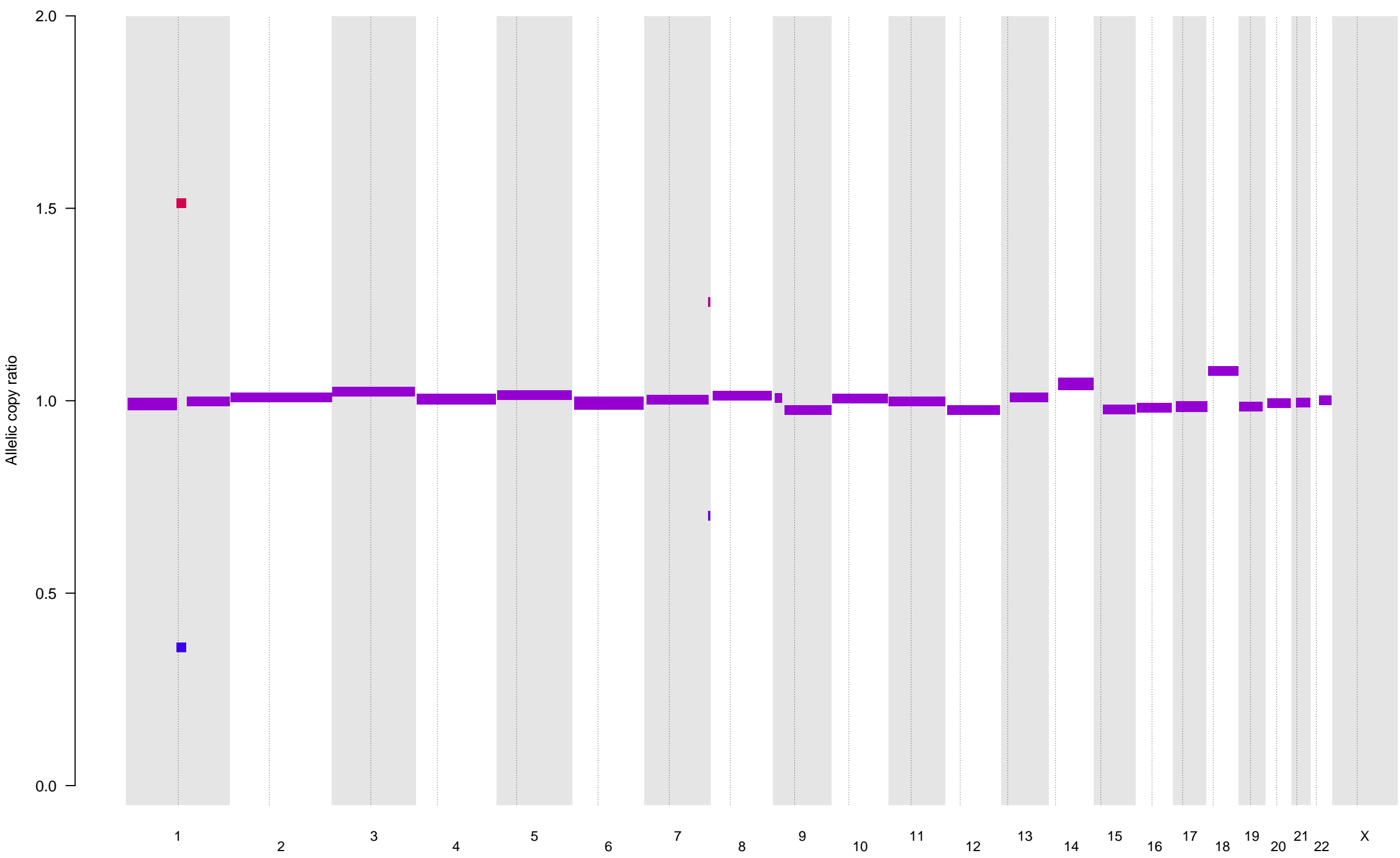
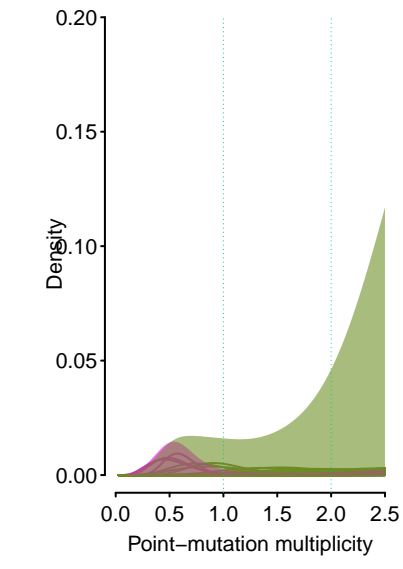
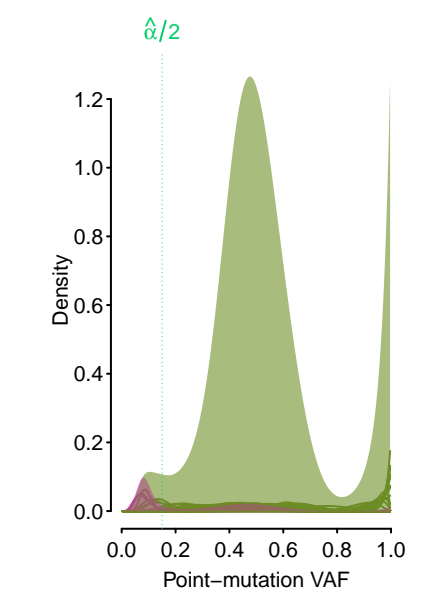
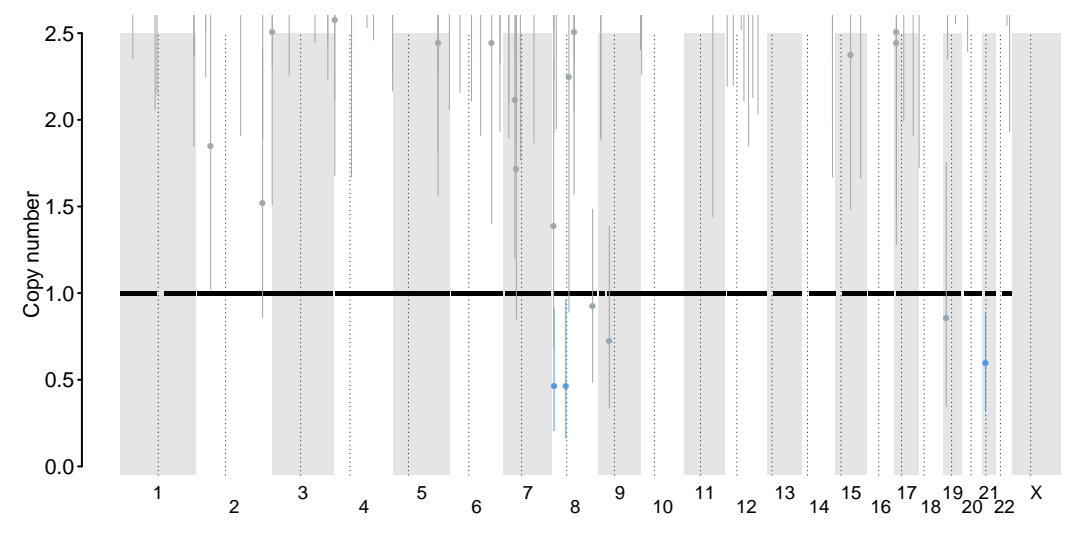
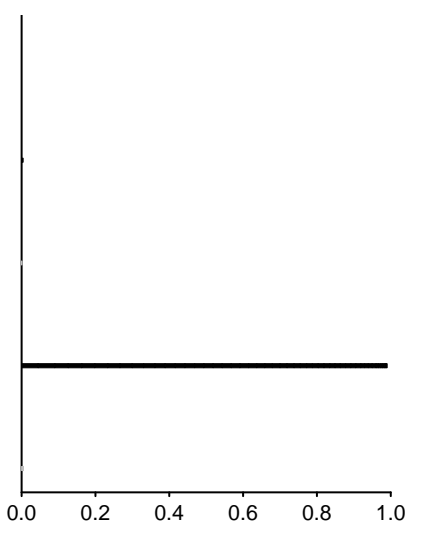
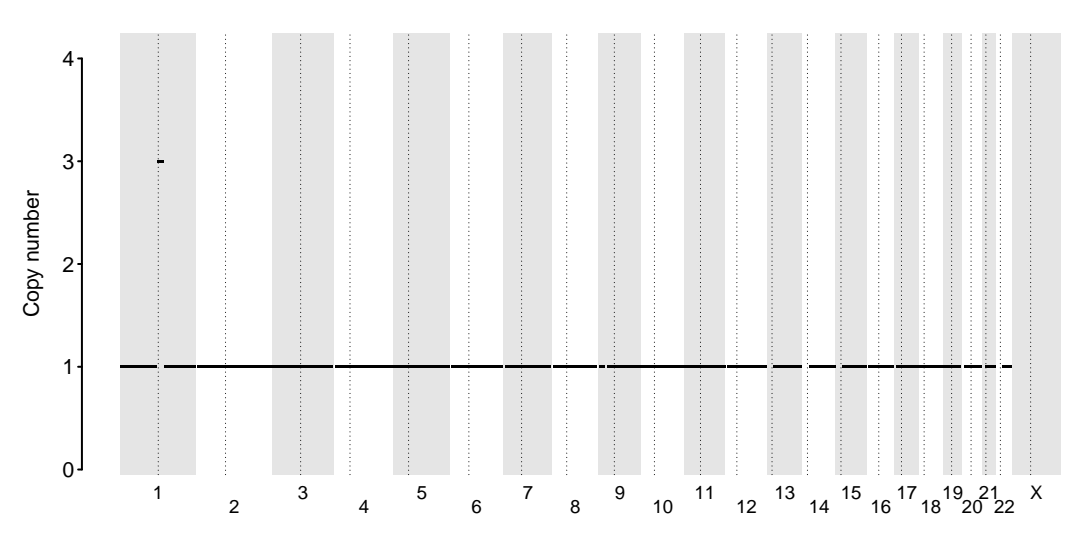
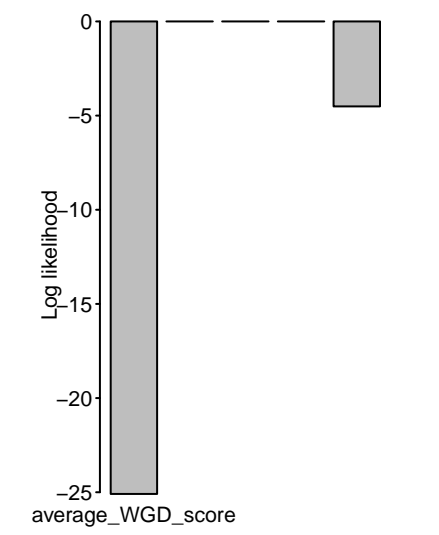
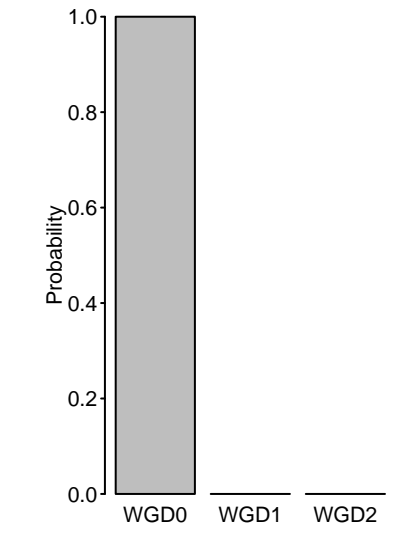
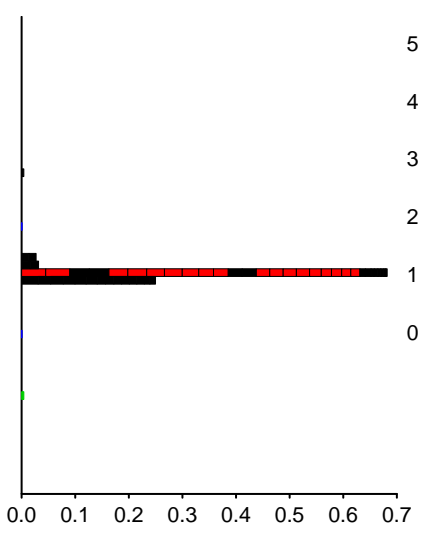
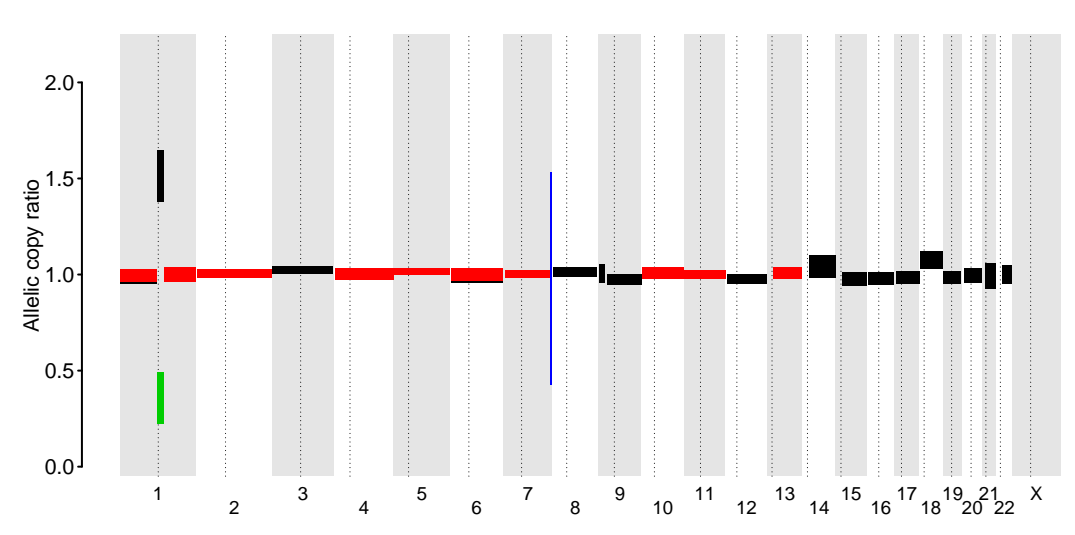
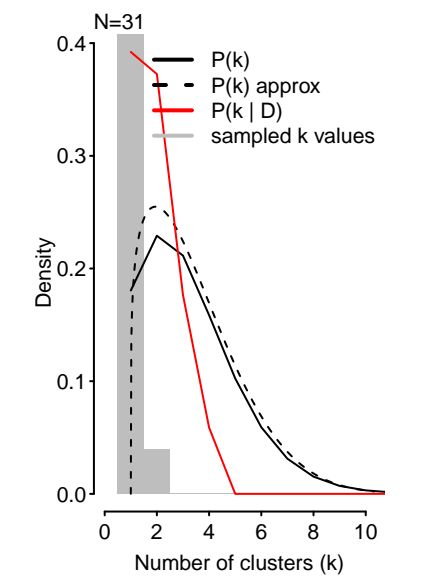
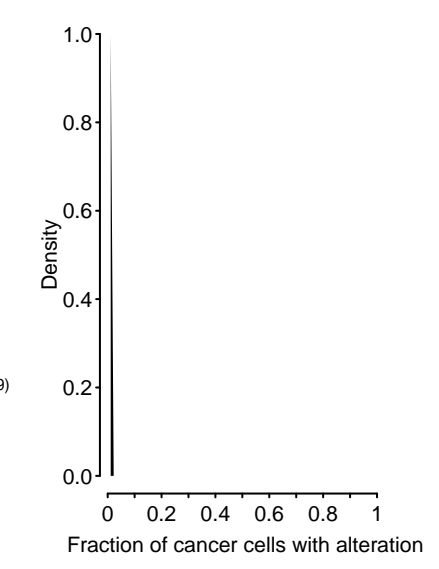
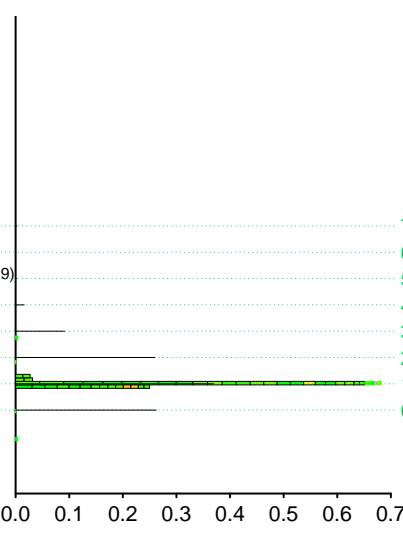
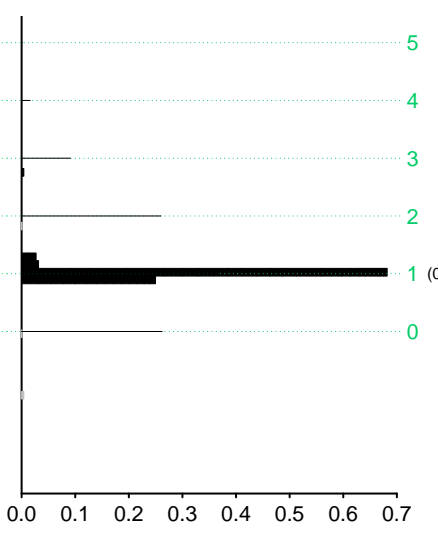
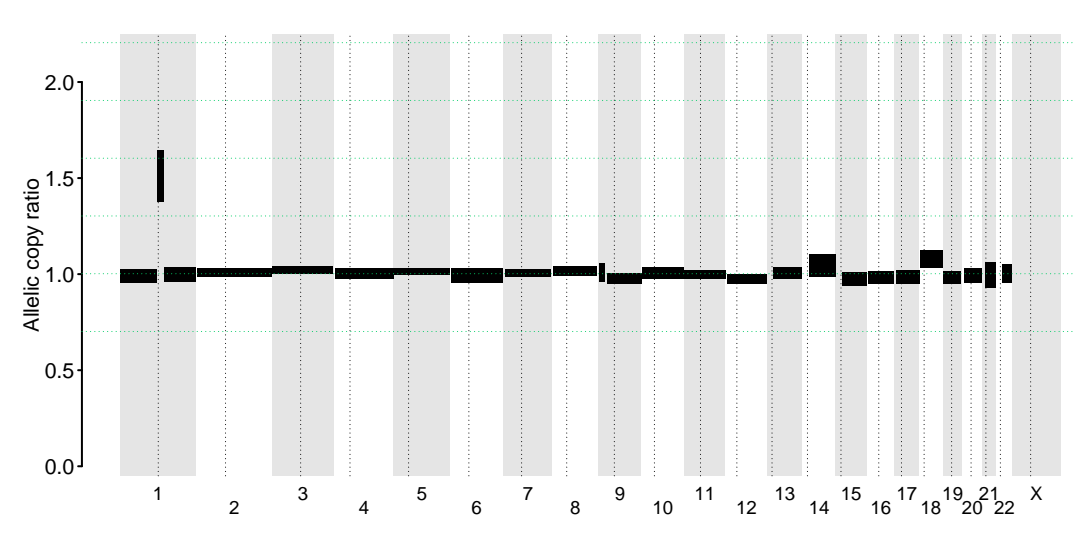
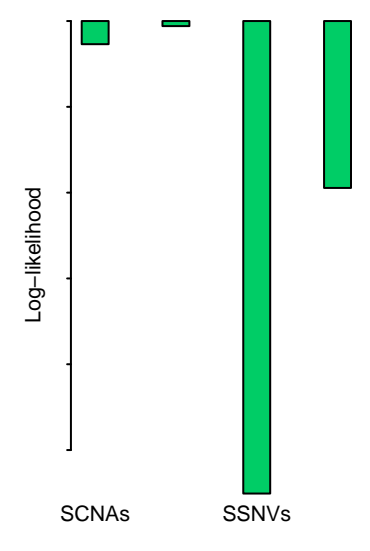
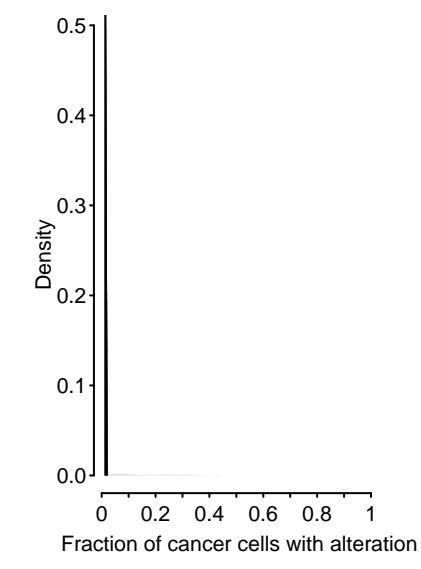
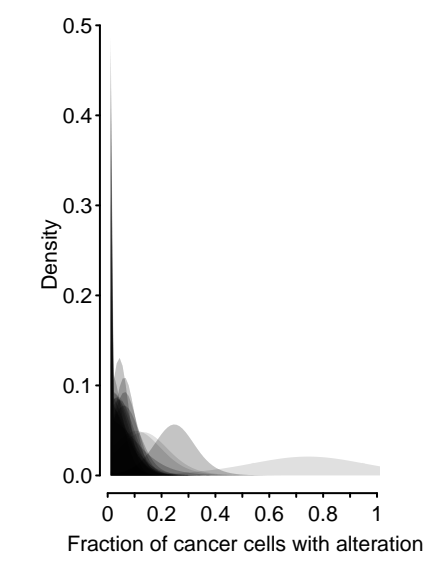
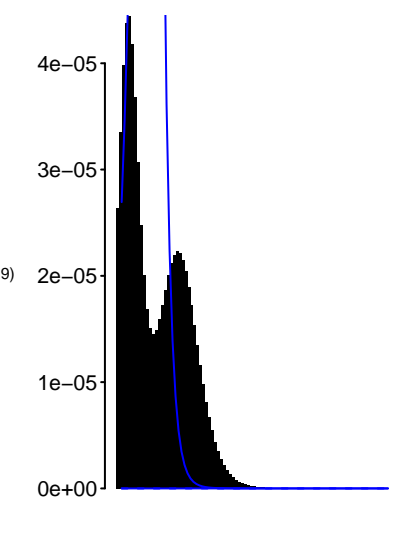
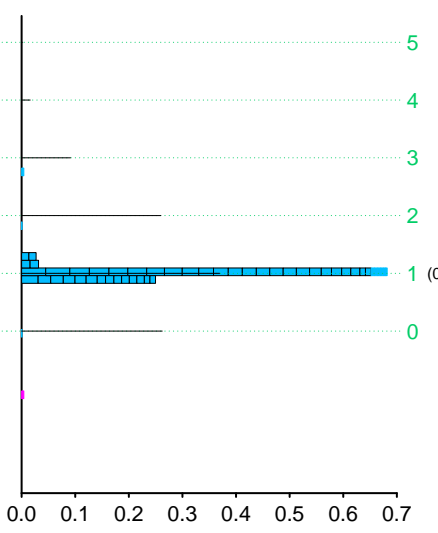
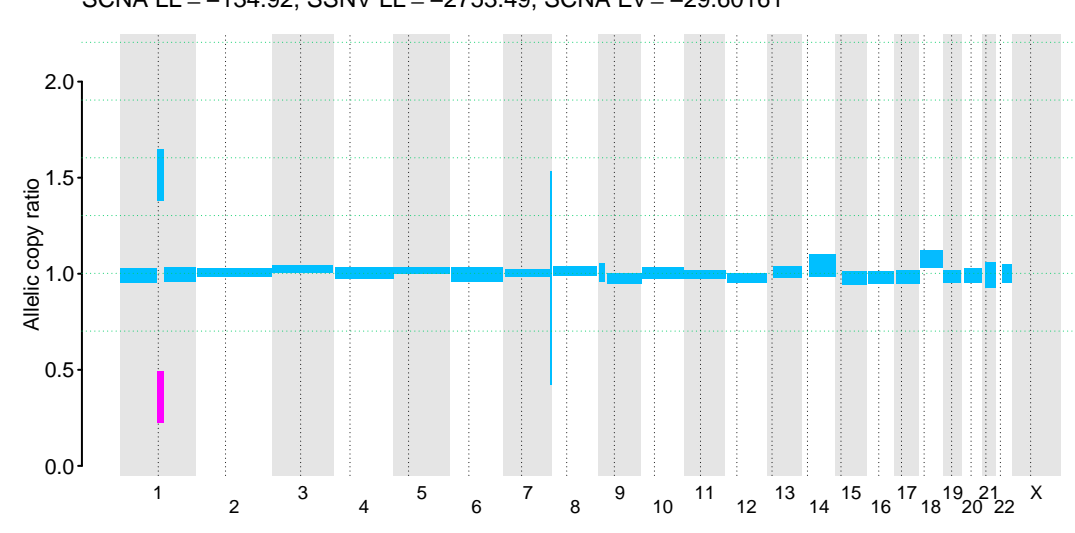
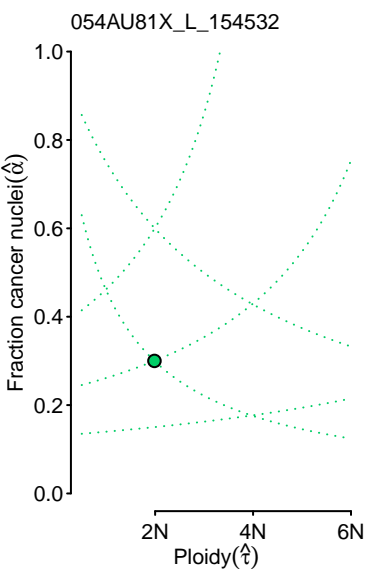


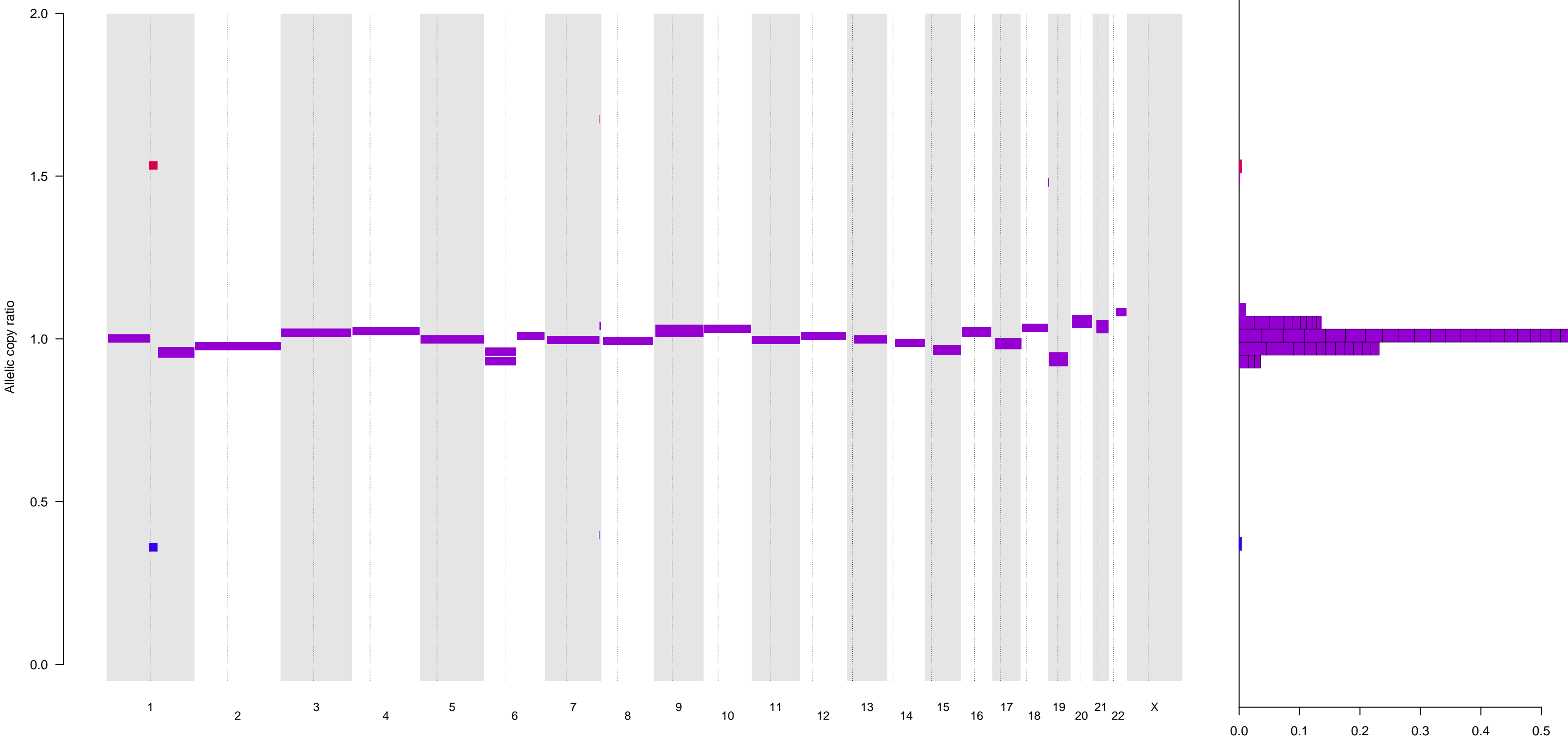
Sample 25

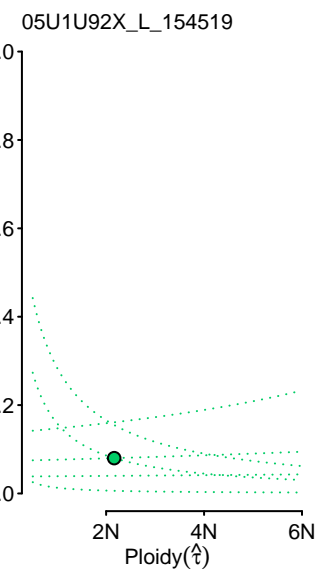


purity($\hat{\alpha}$) = 0.3, ploidy: $\hat{t} = 1.99$, $\hat{t}_g = 2.01$
 $\hat{\theta}_z = 0$, $\hat{\theta}_0 = 1.2$, WGD=0
SCNA LL = -134.92, SSNV LL = -2753.49, SCNA Ev = -29.60161

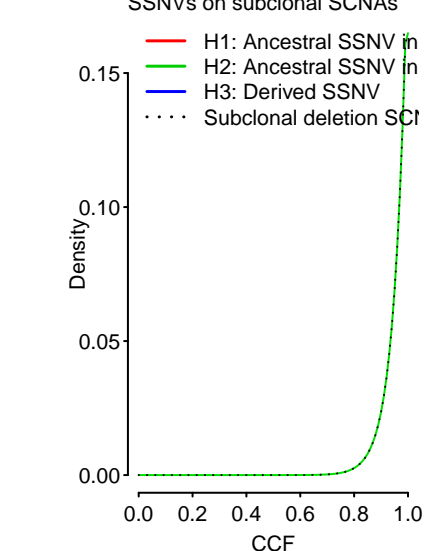
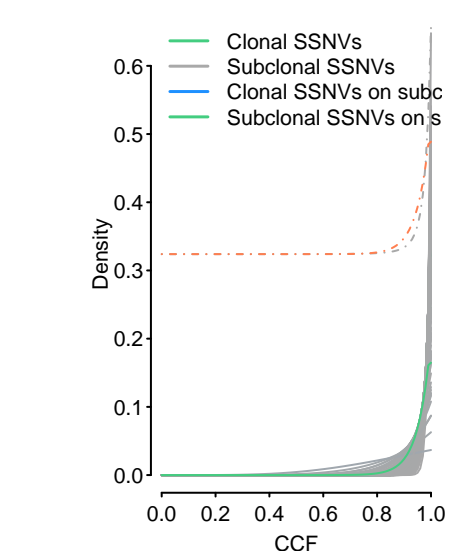
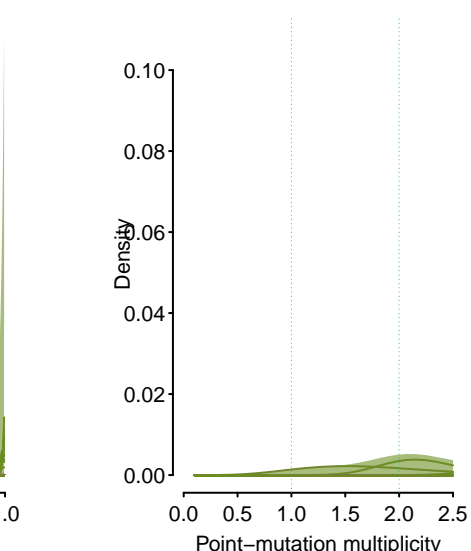
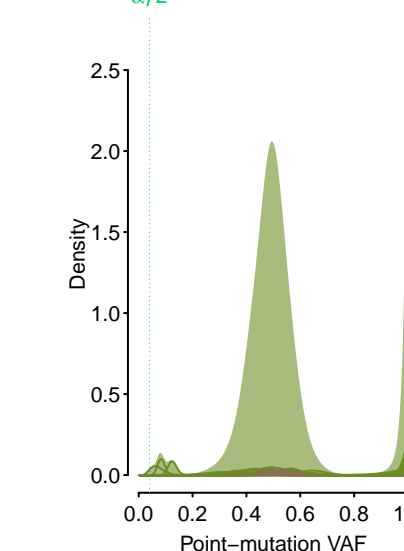
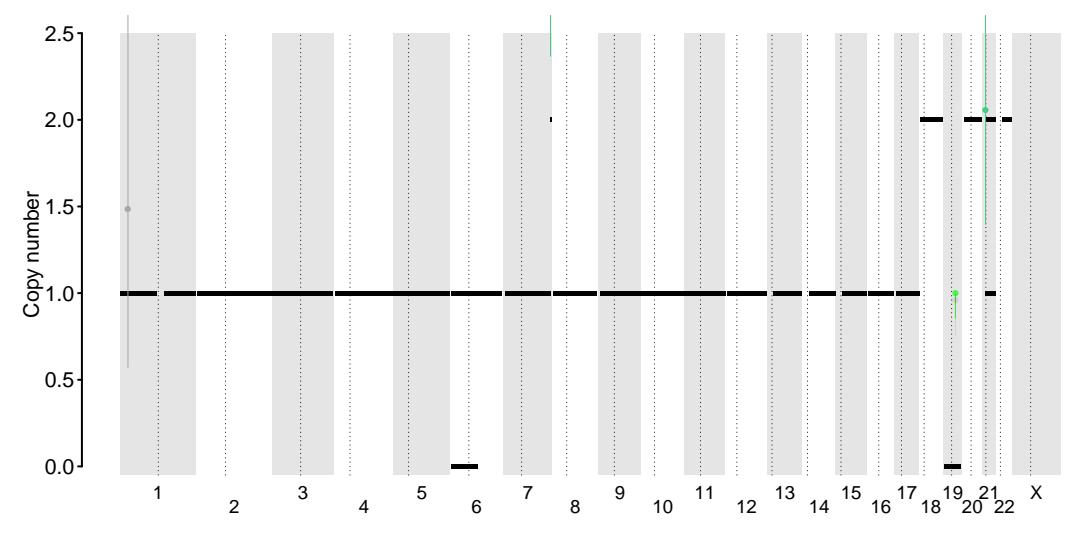
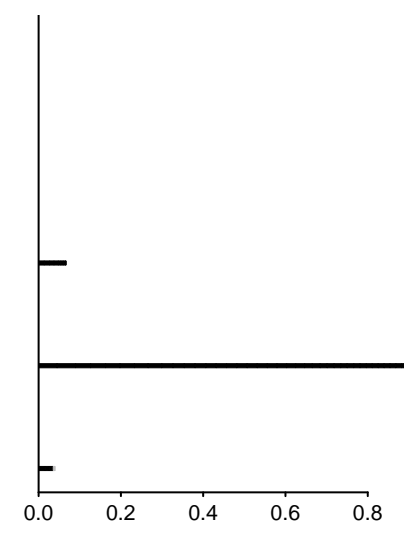
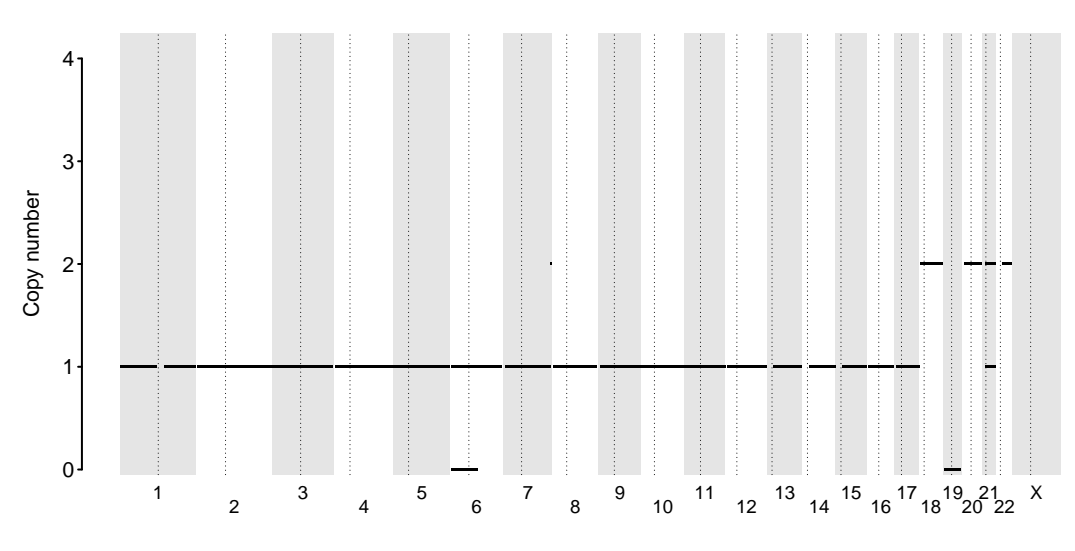
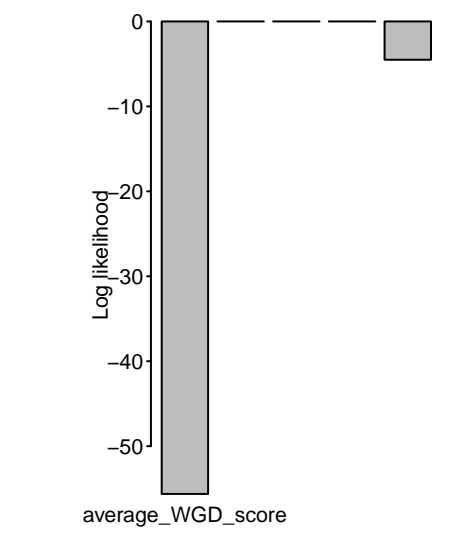
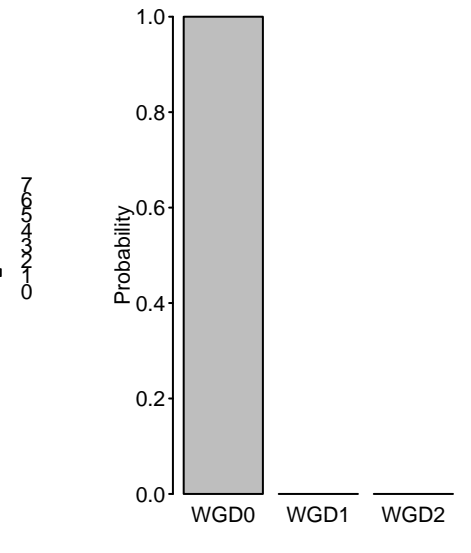
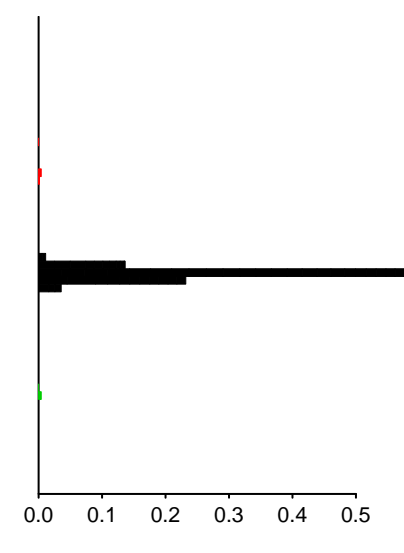
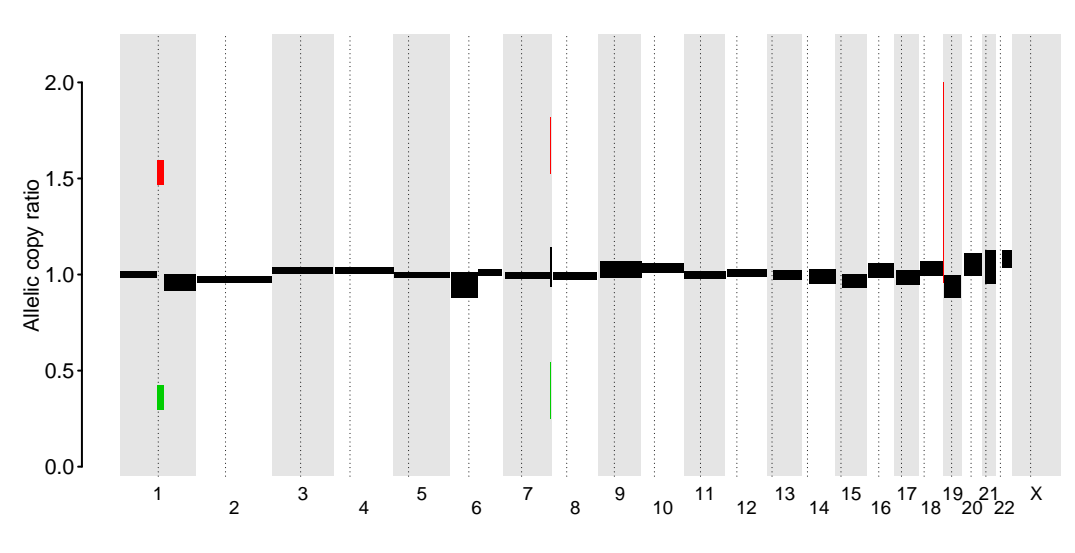
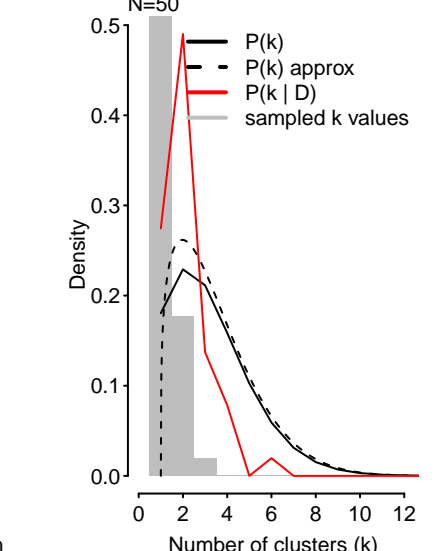
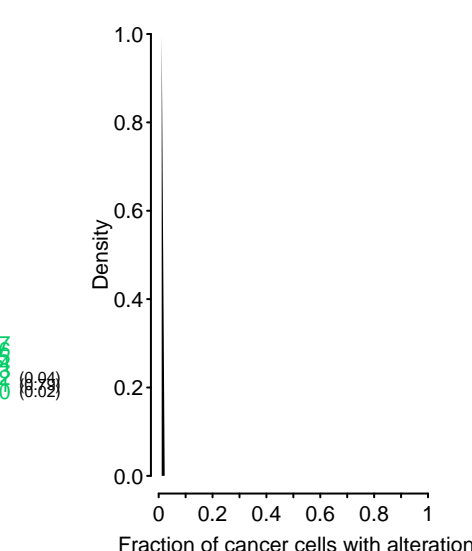
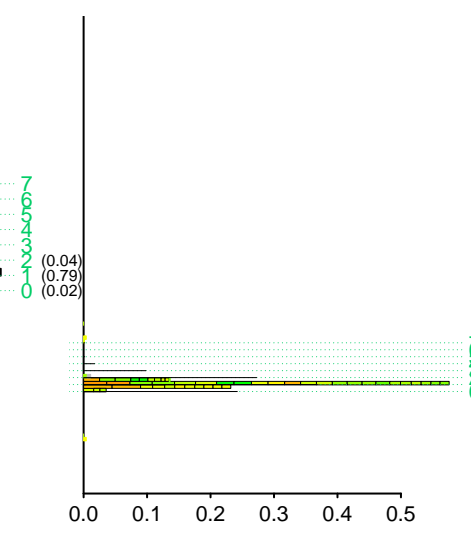
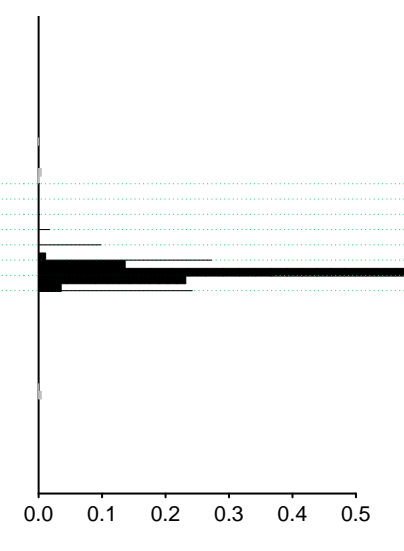
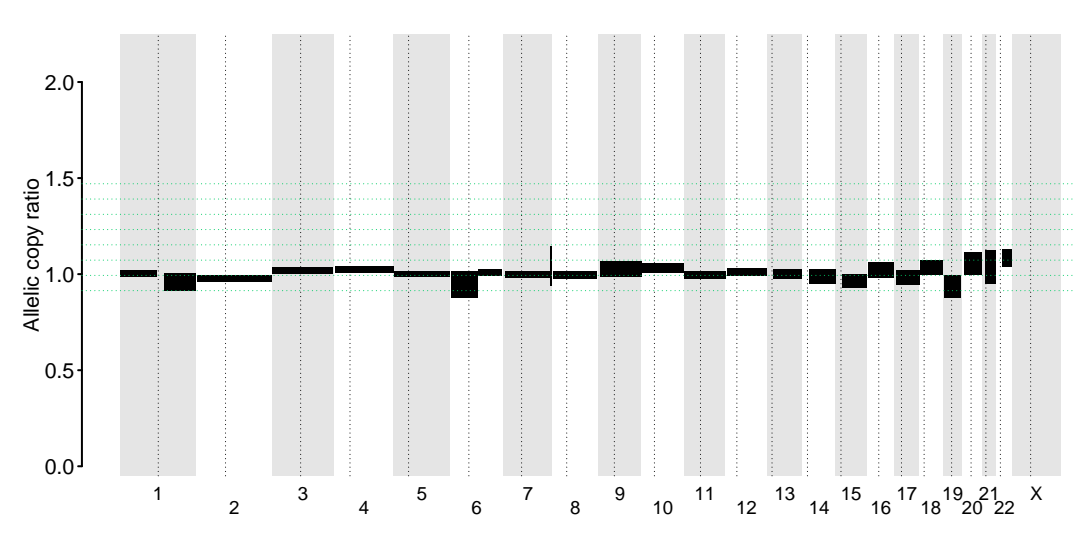
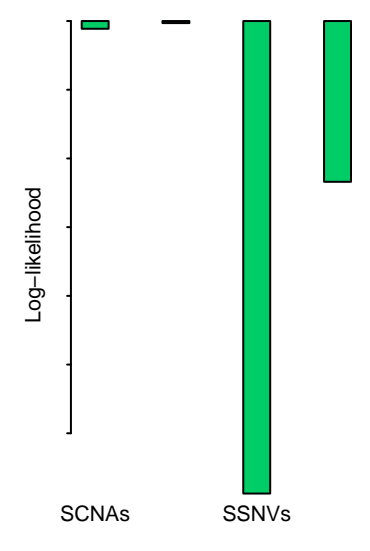
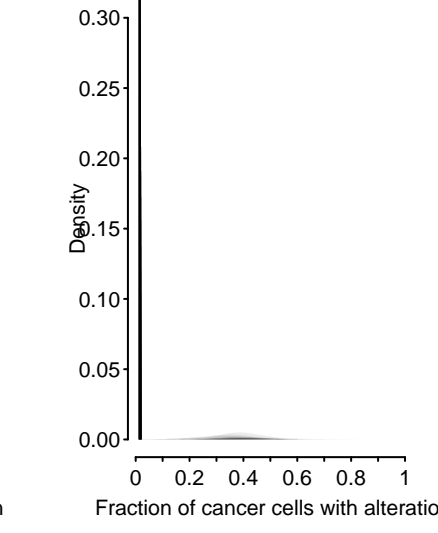
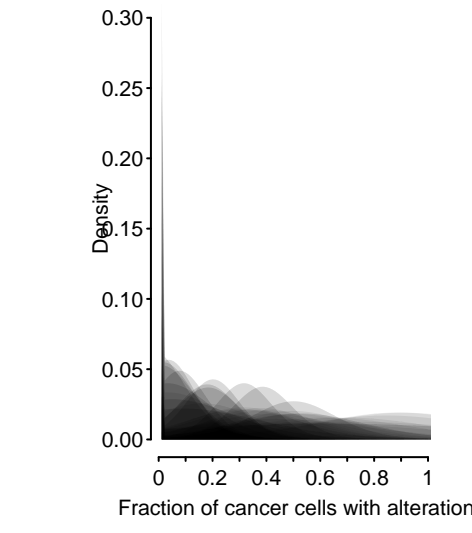
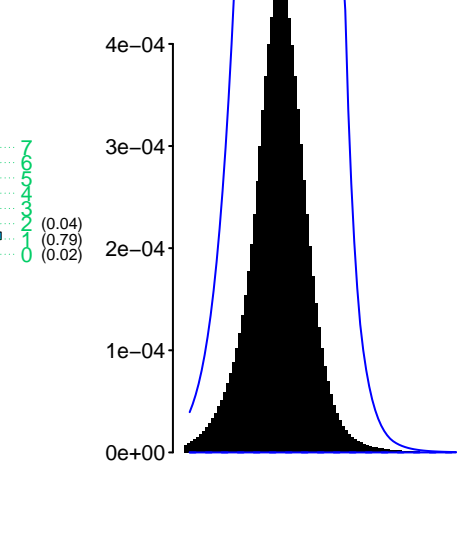
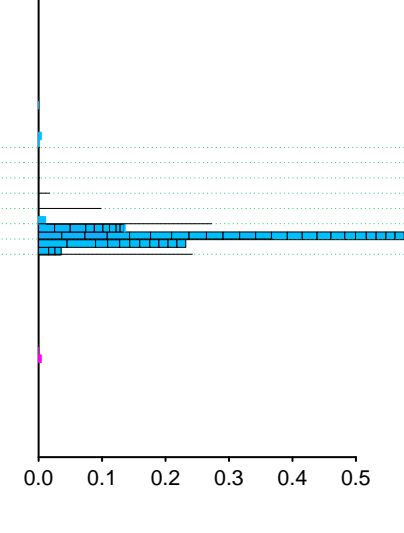
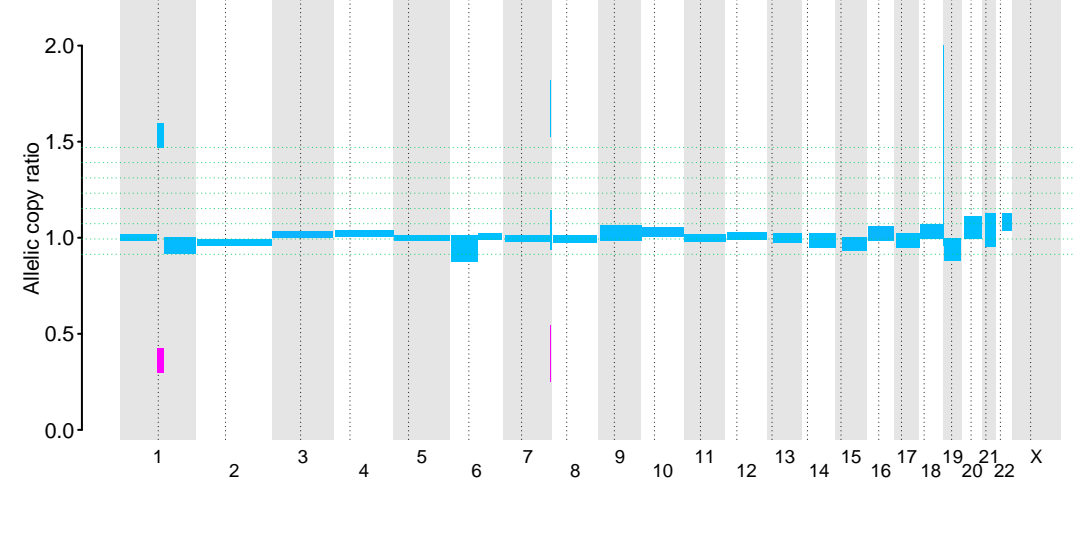


Sample 26

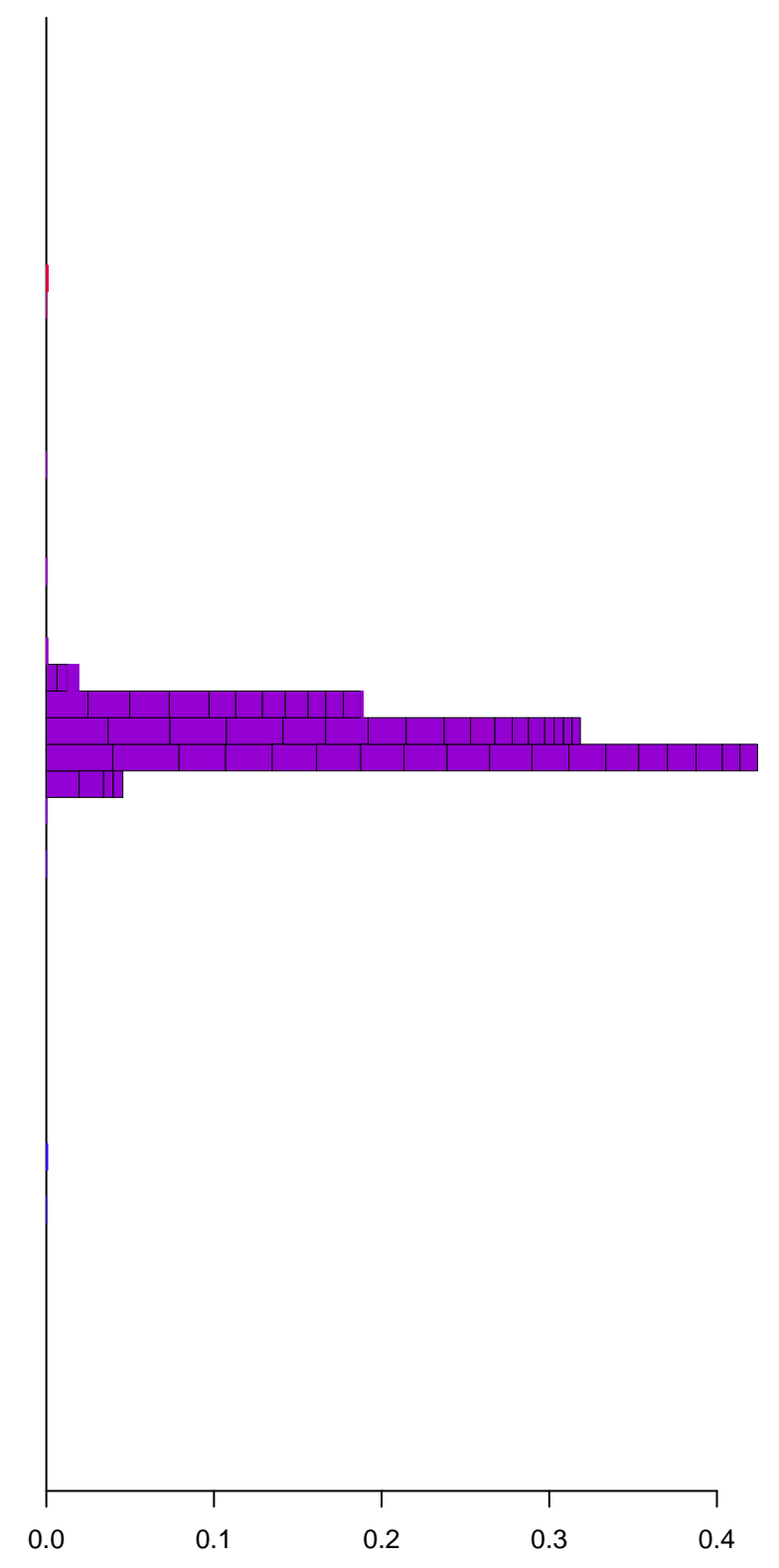
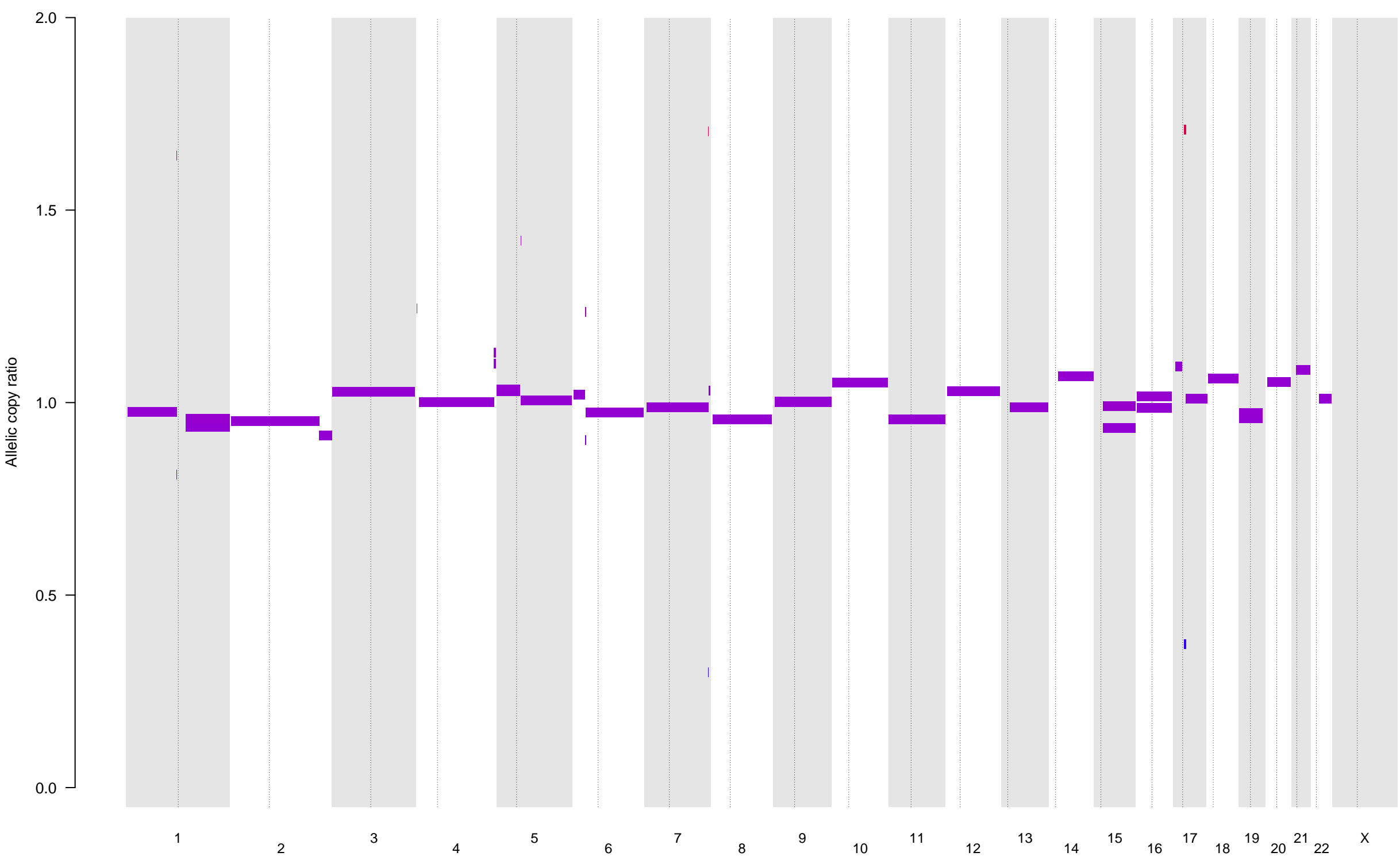


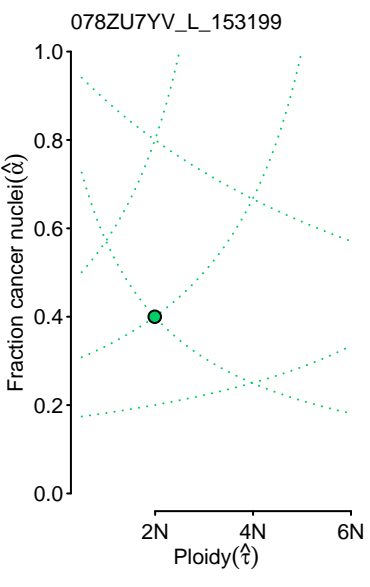


purity($\hat{\alpha}$) = 0.08, ploidy: $\hat{\tau} = 2.16$, $\hat{\tau}_g = 2.1$
 $\theta_z = 0.02$, $\theta_G = 1.179$, WGD=0
 SCNA LL = -224.86, SSNV LL = -13754.3, SCNA Ev = -60.13245

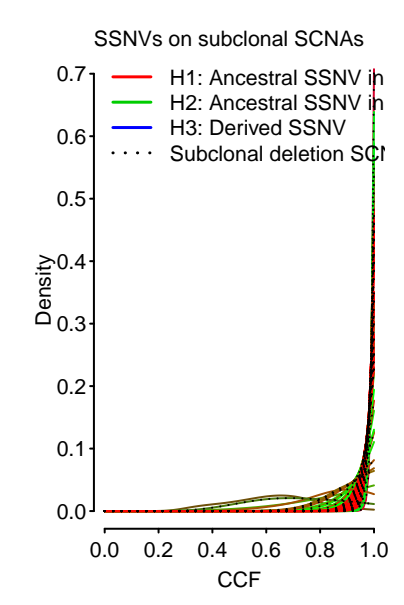
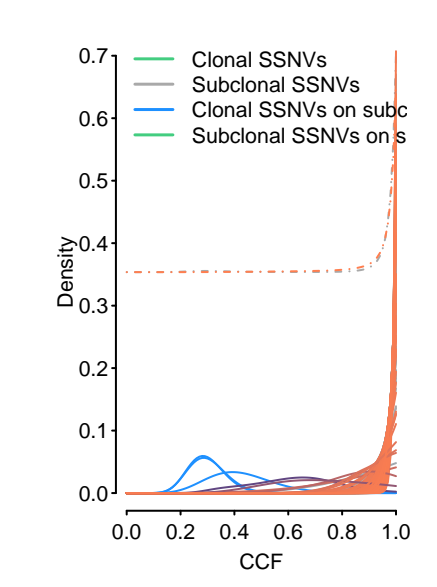
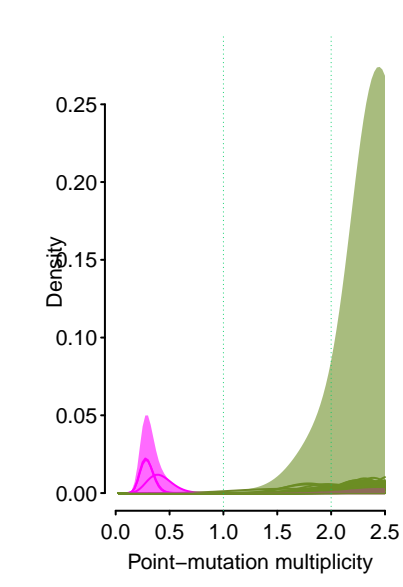
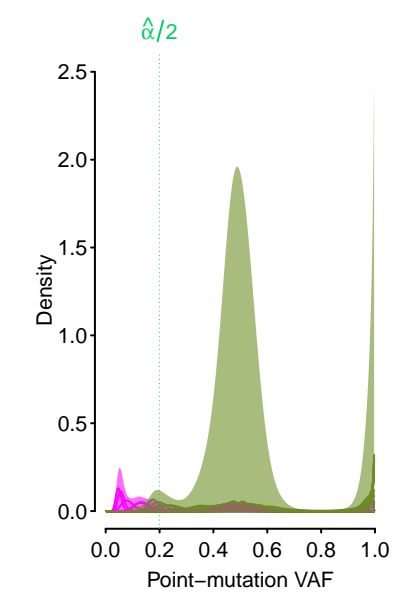
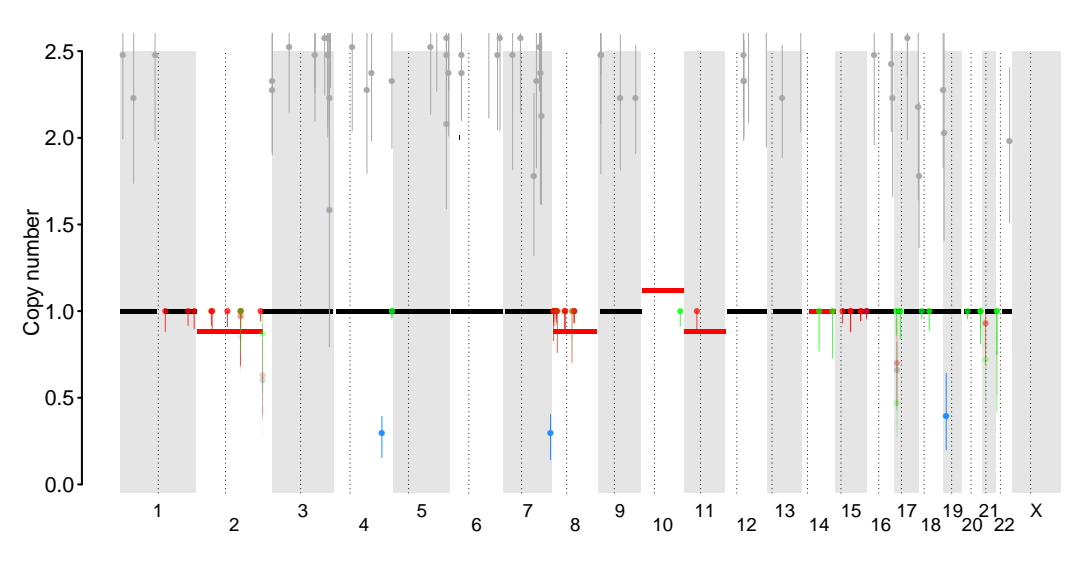
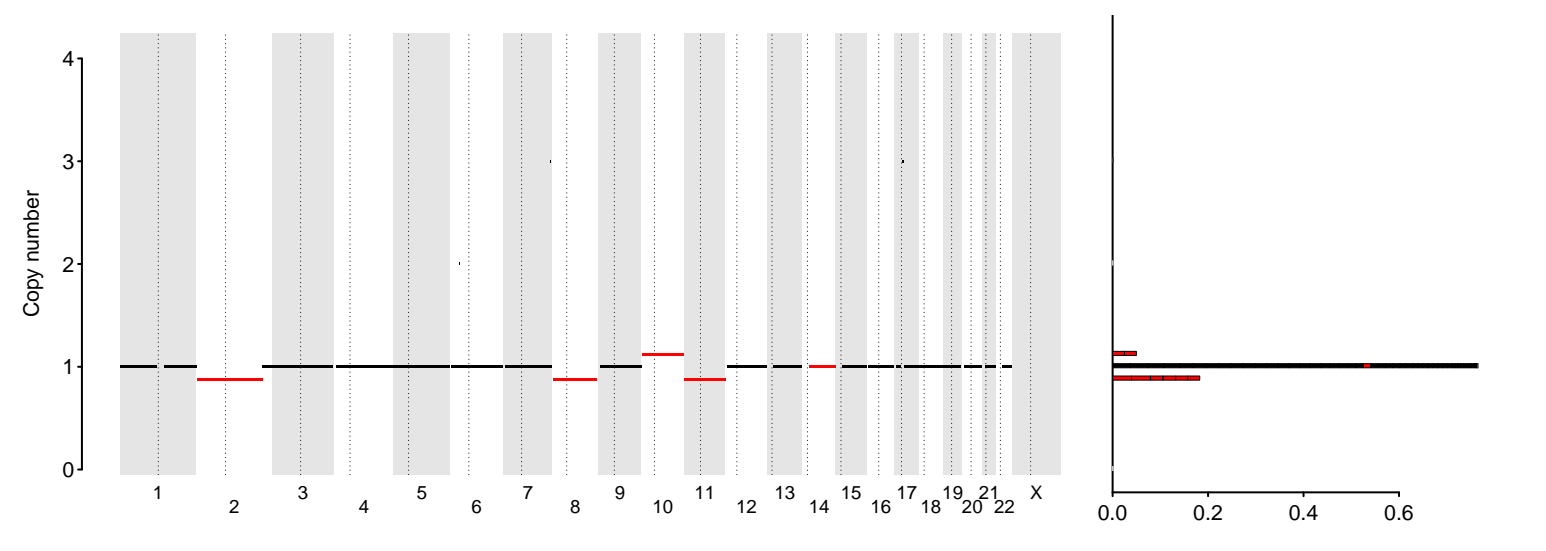
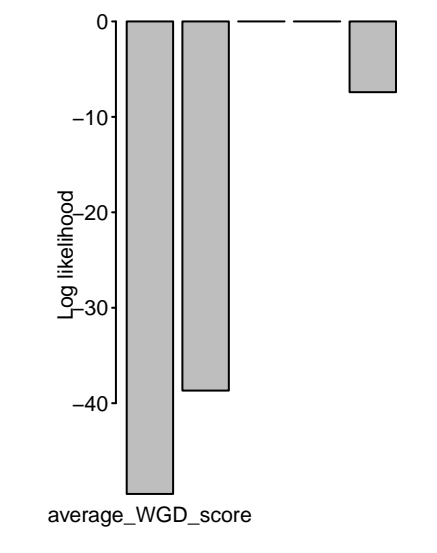
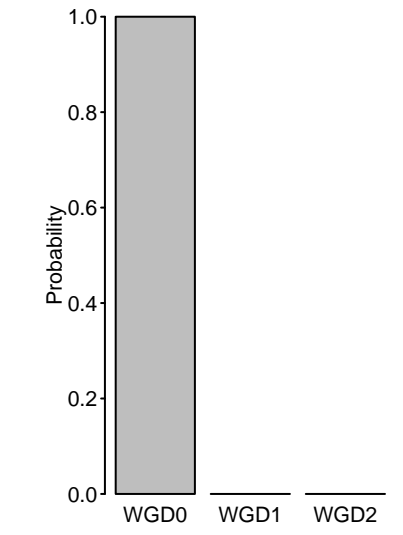
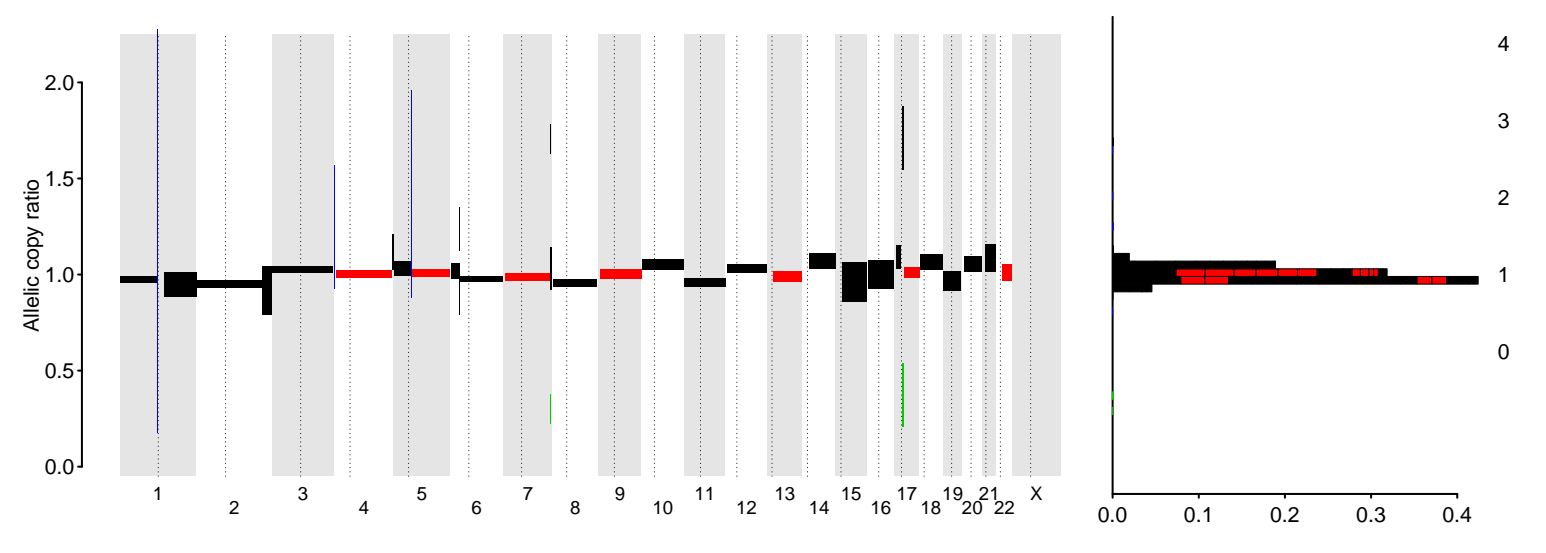
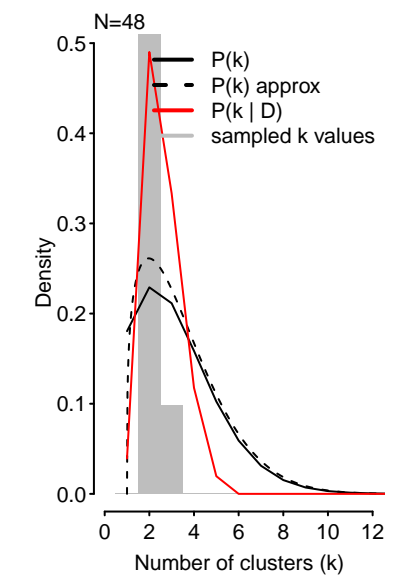
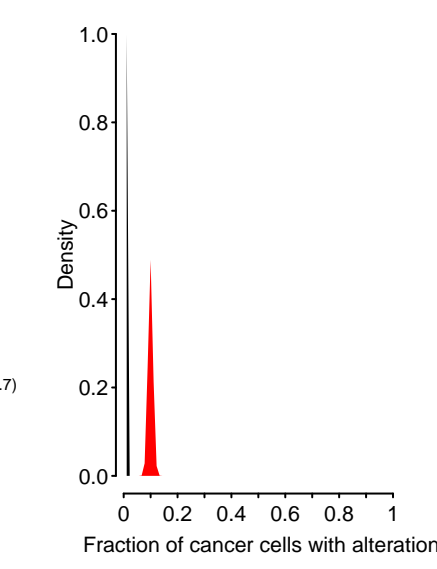
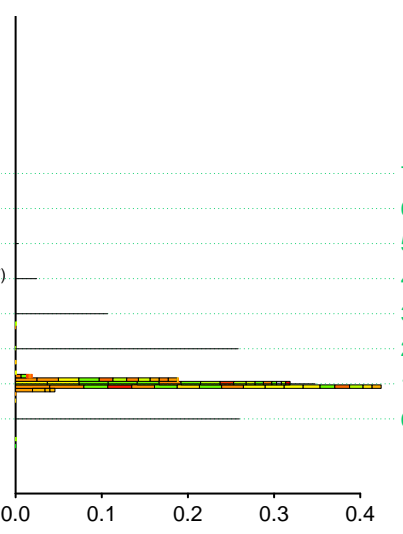
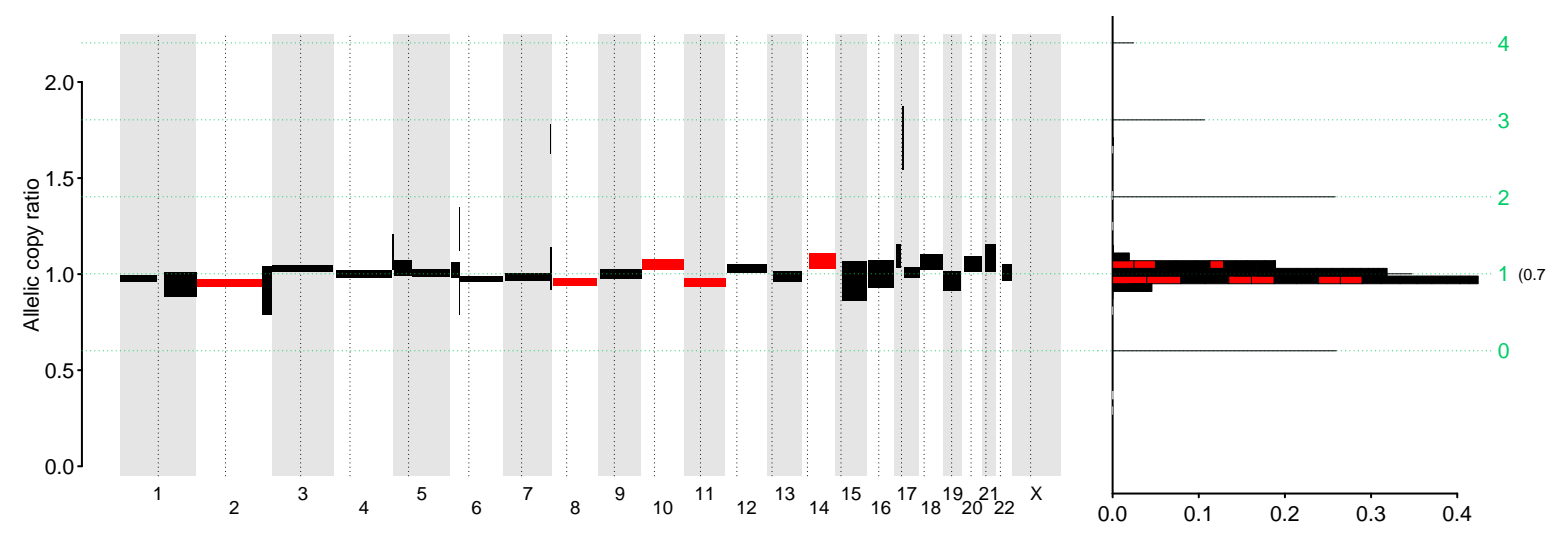
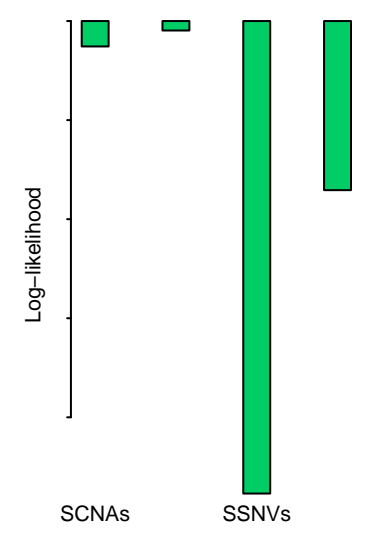
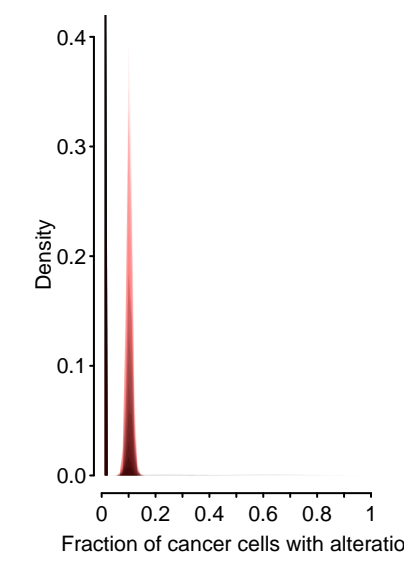
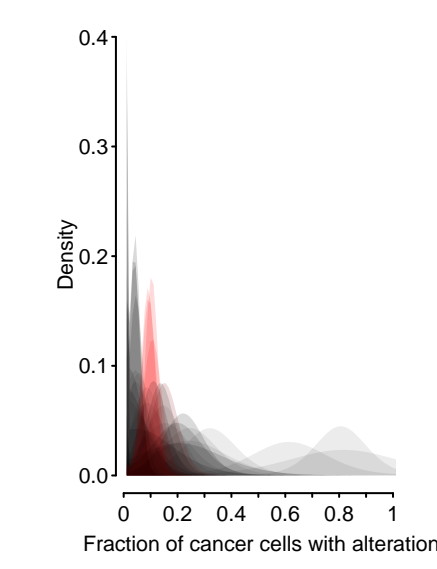
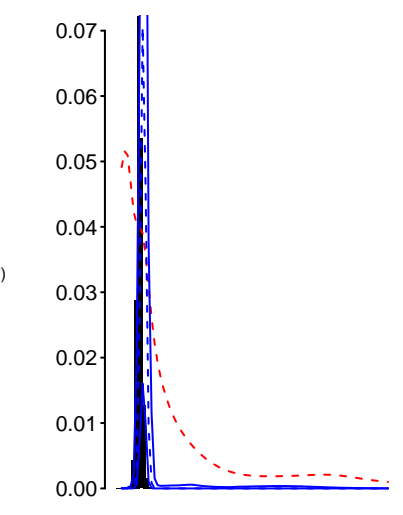
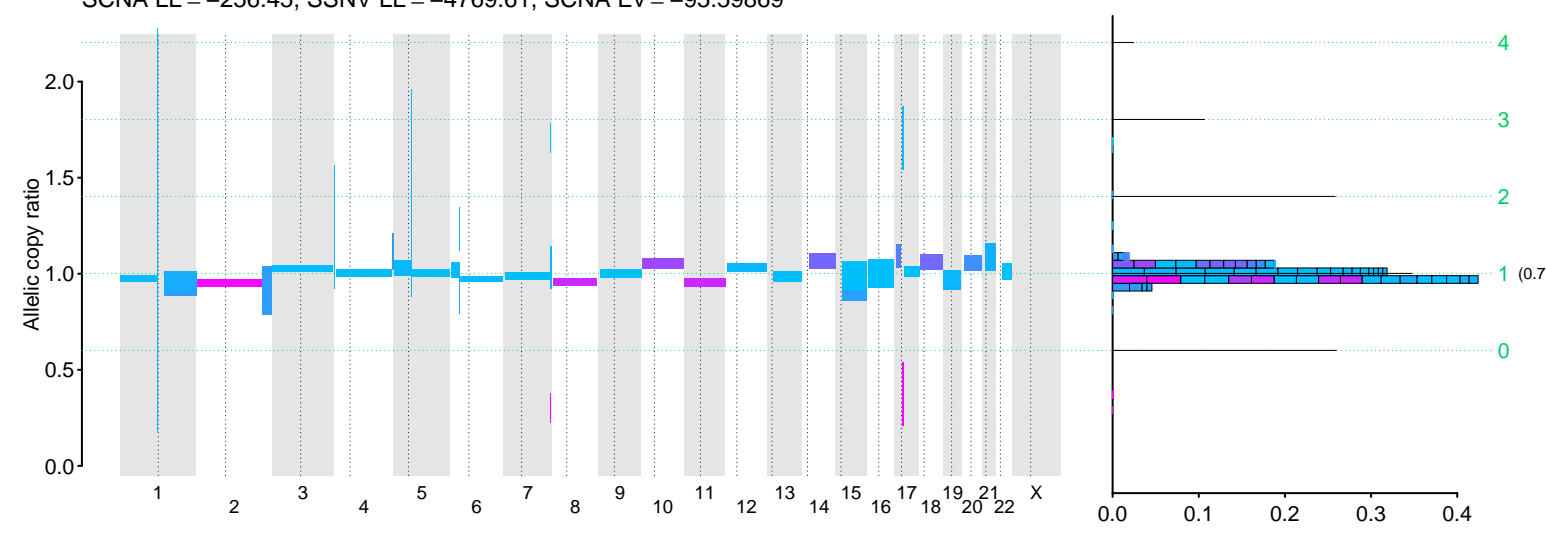


Sample 27

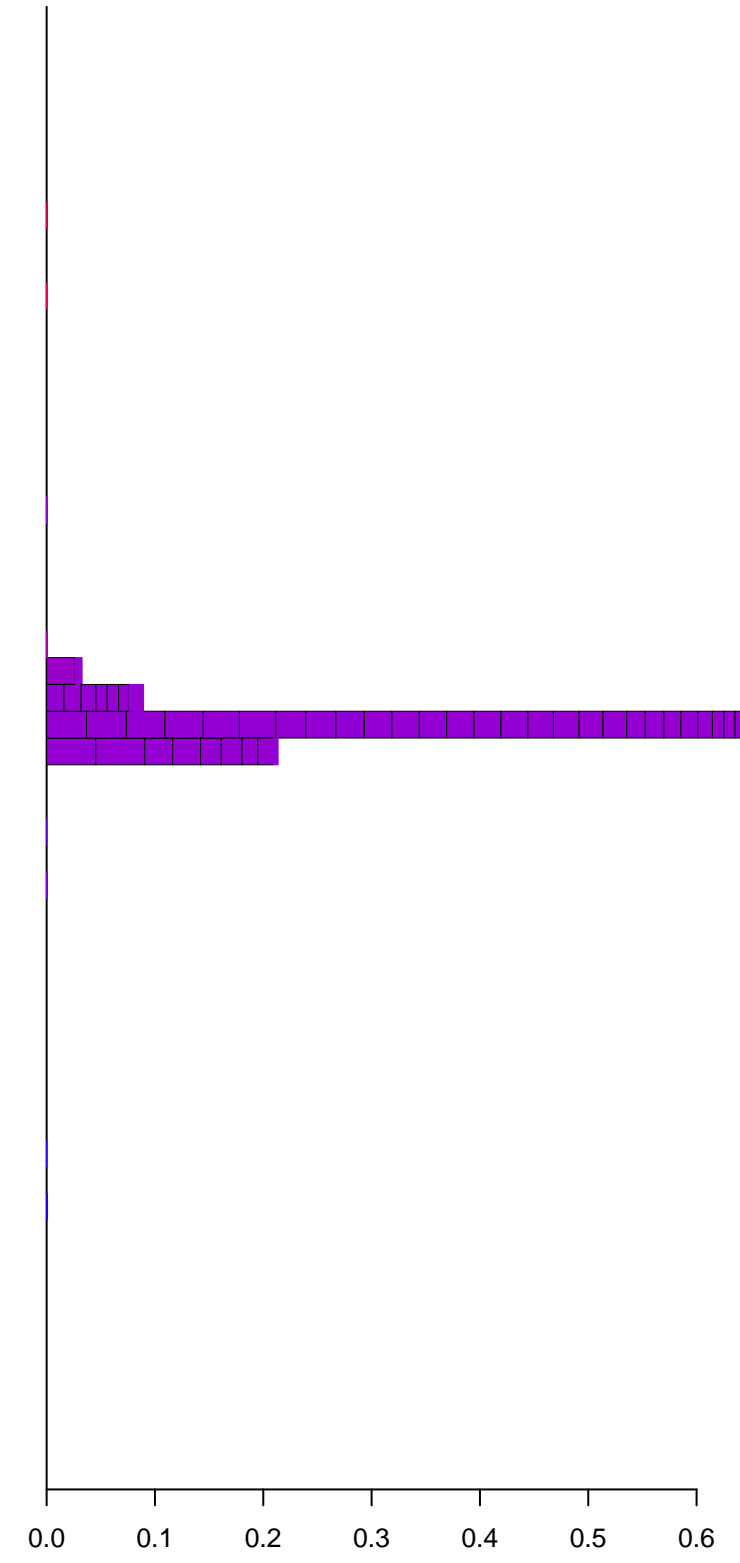
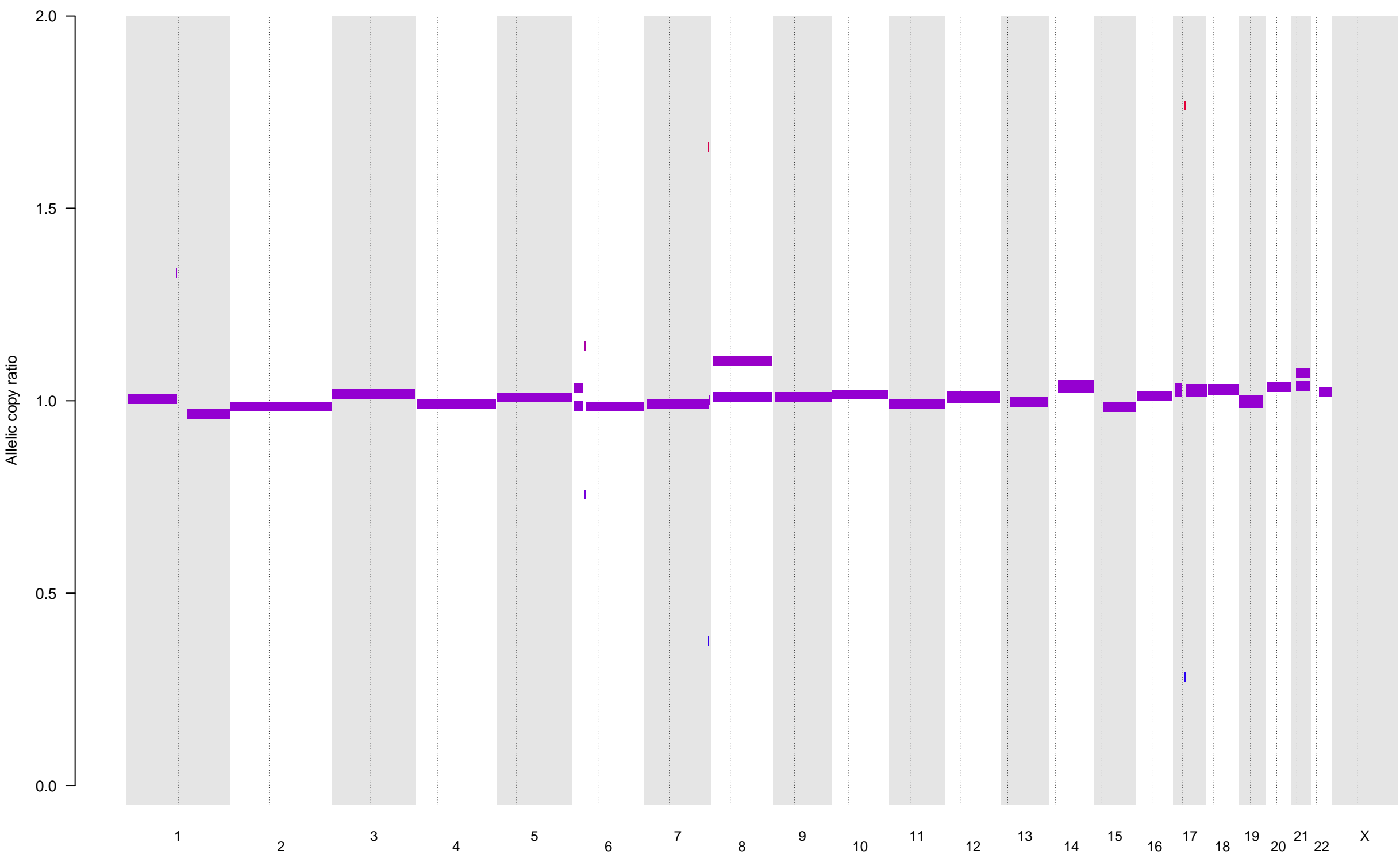


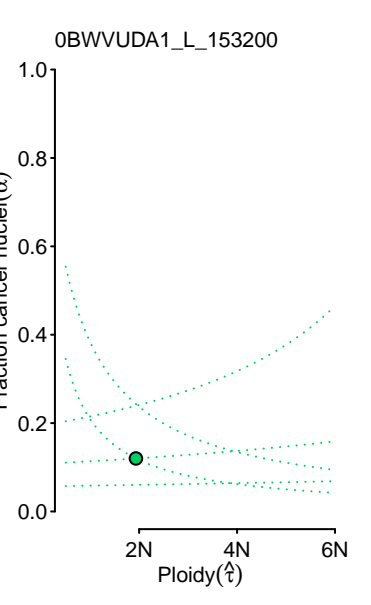


purity($\hat{\alpha}$) = 0.4, ploidy: $\hat{\delta} = 1.99$, $\hat{\tau}_g = 2$
 $\hat{\theta}_z = 0.23$, $\hat{\theta}_a = 1.304$, WGD=0
 SCNA LL = -256.45, SSNV LL = -4769.61, SCNA Ev = -95.59869

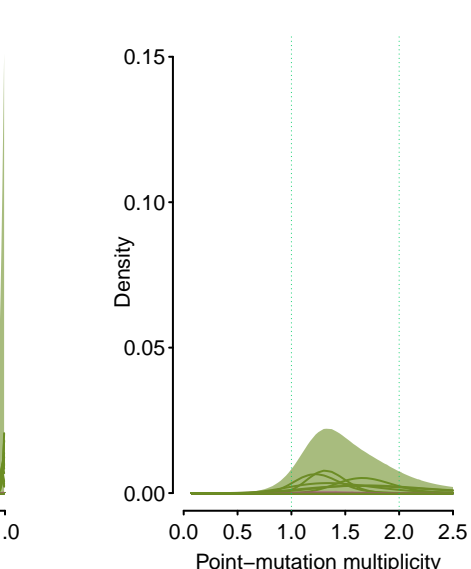
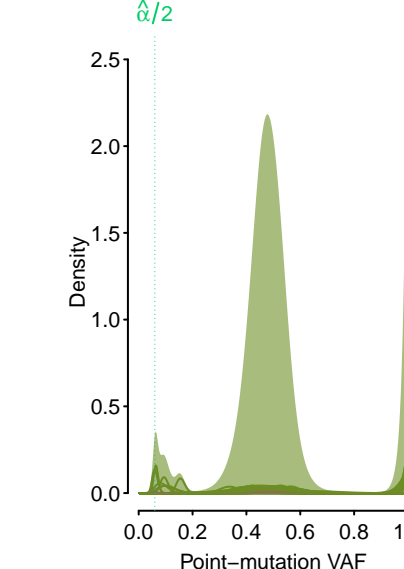
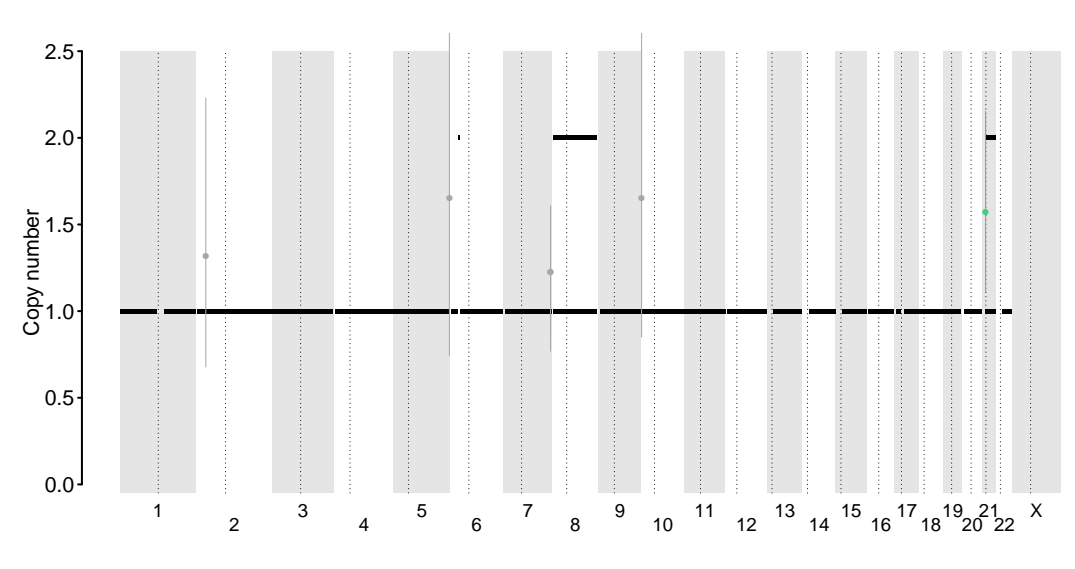
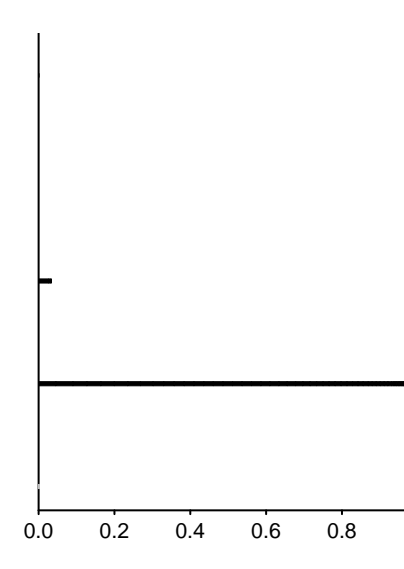
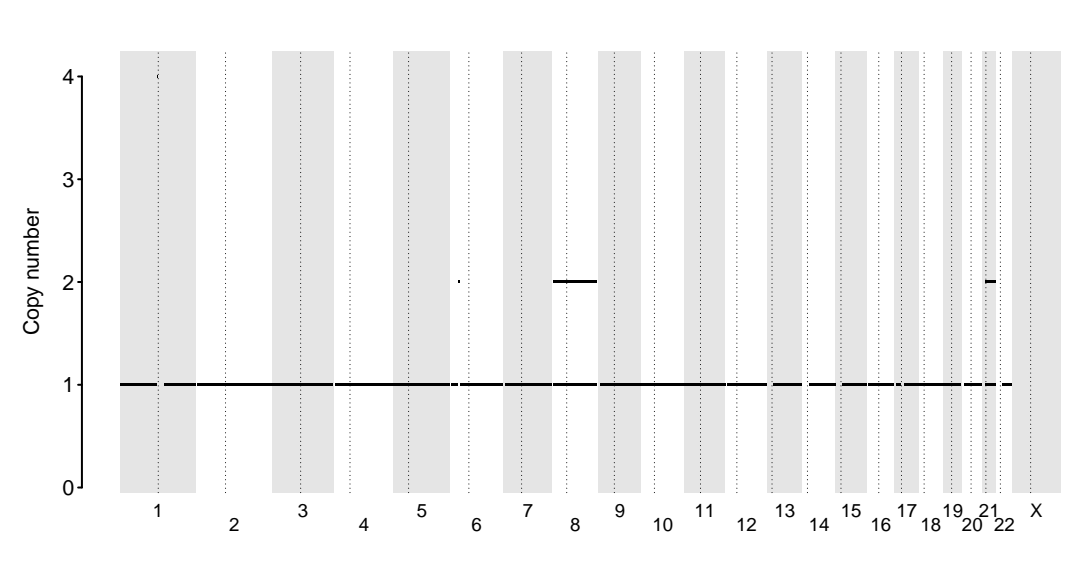
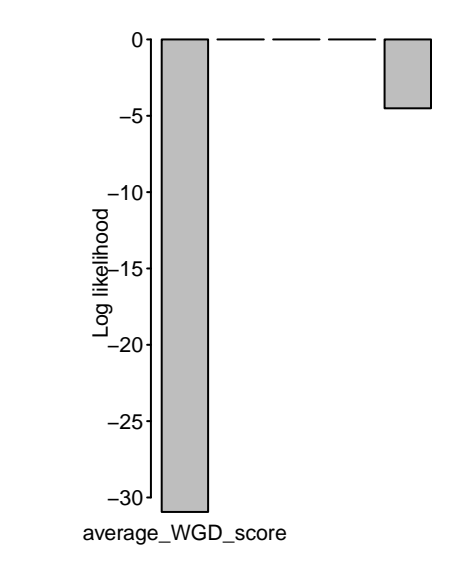
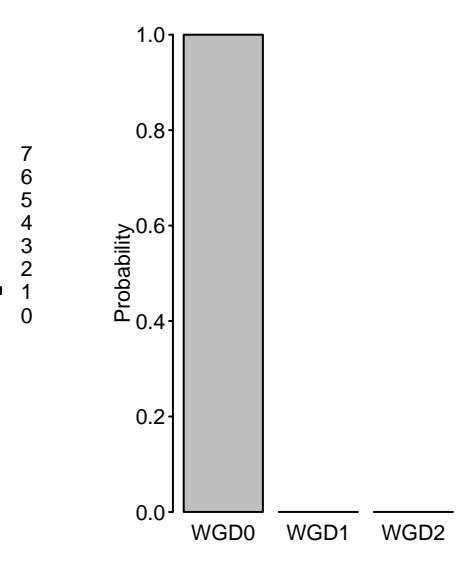
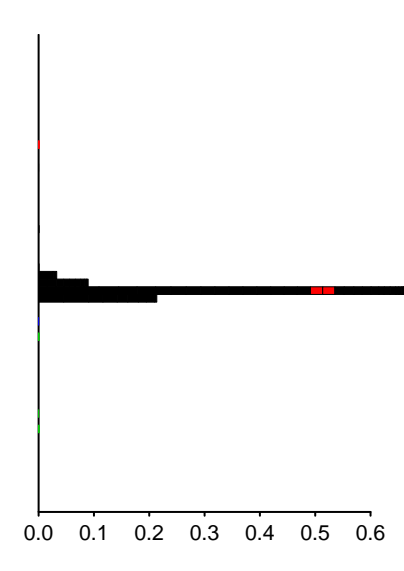
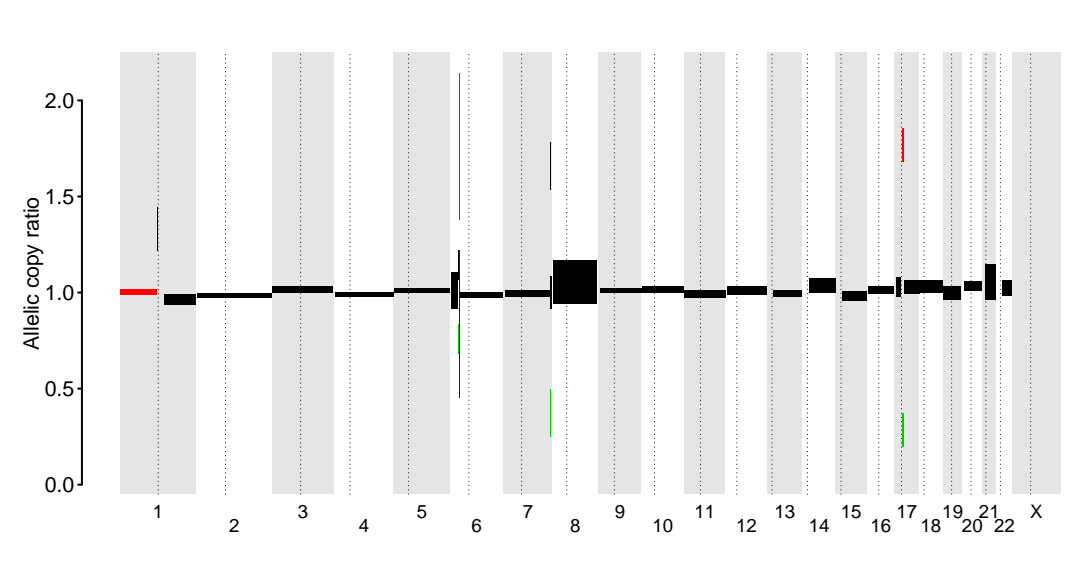
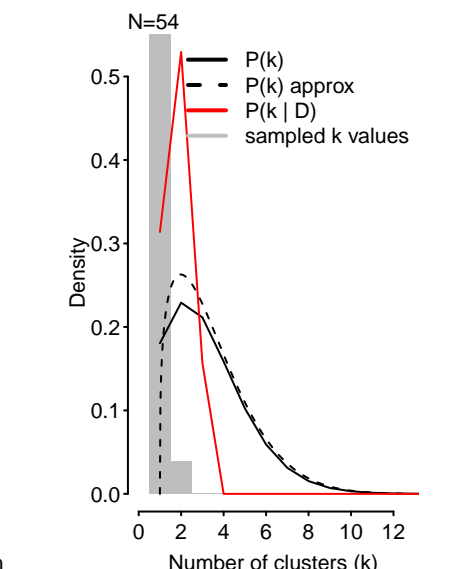
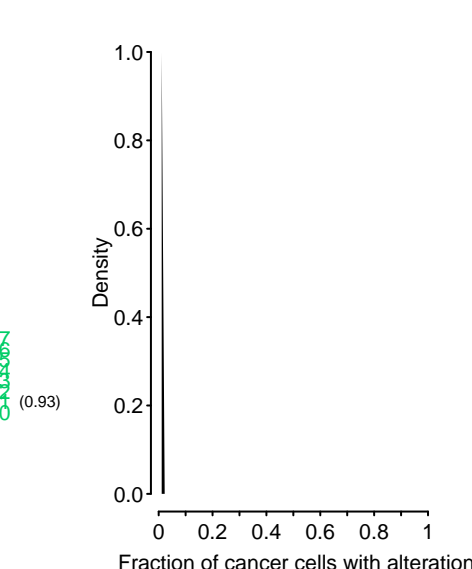
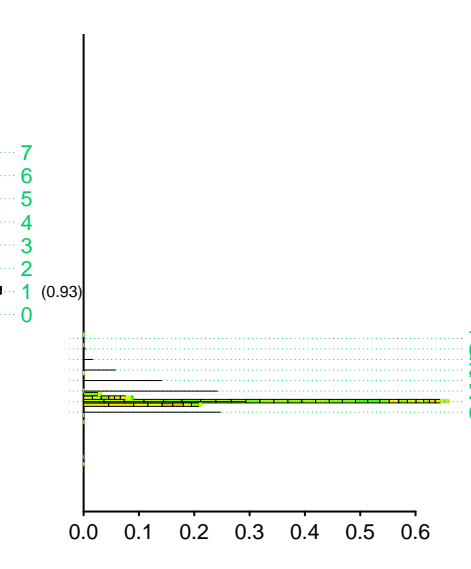
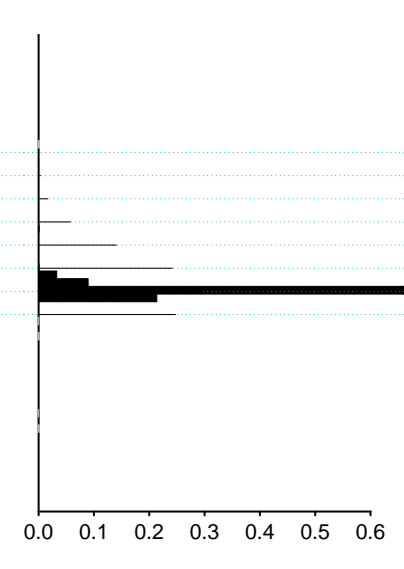
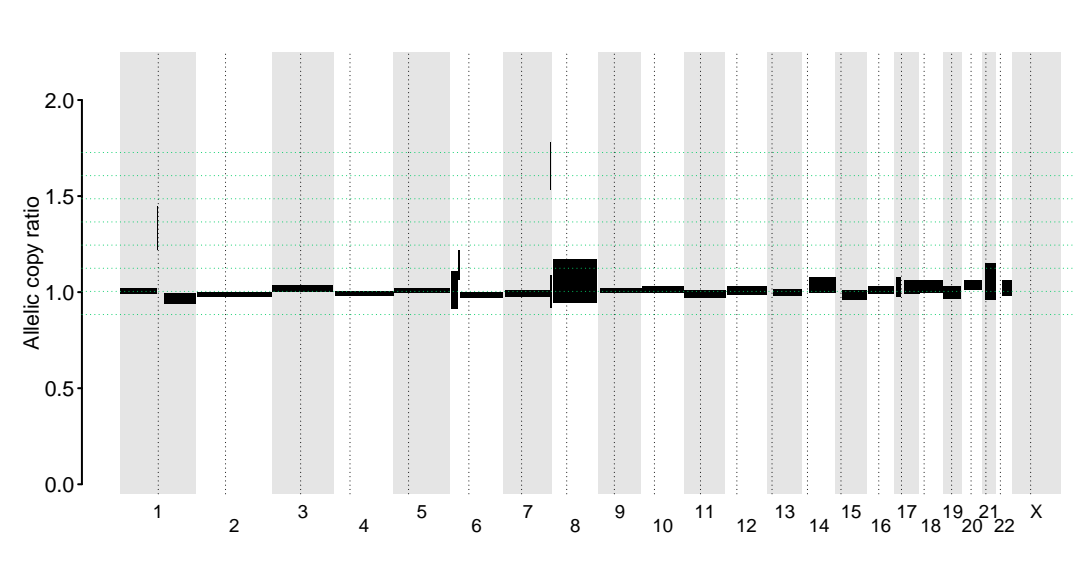
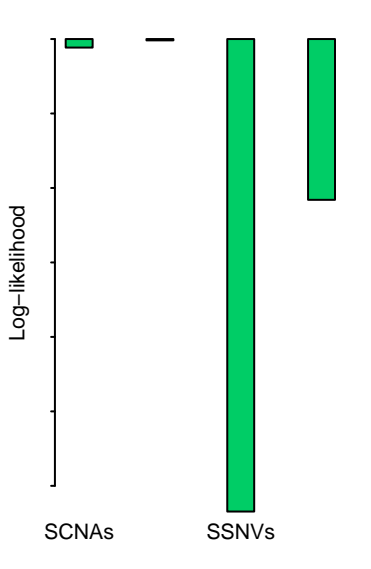
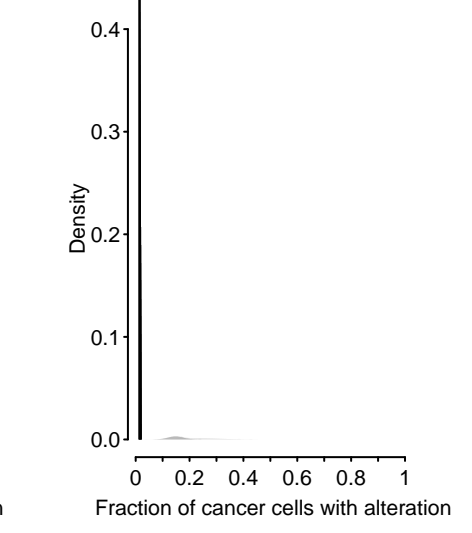
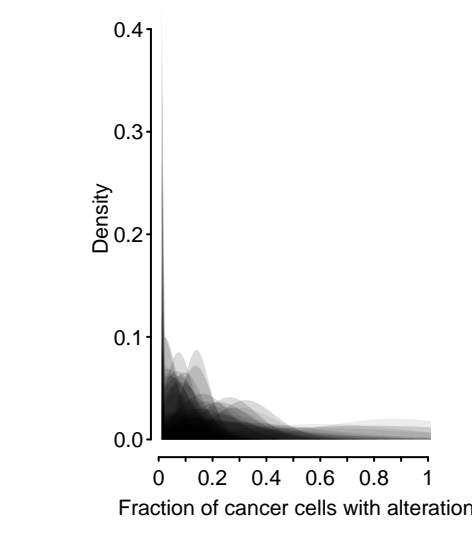
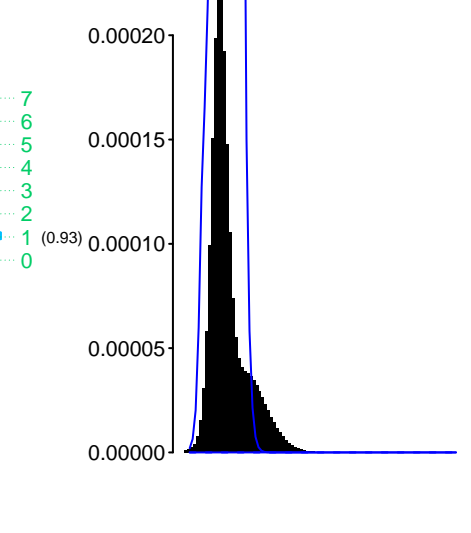
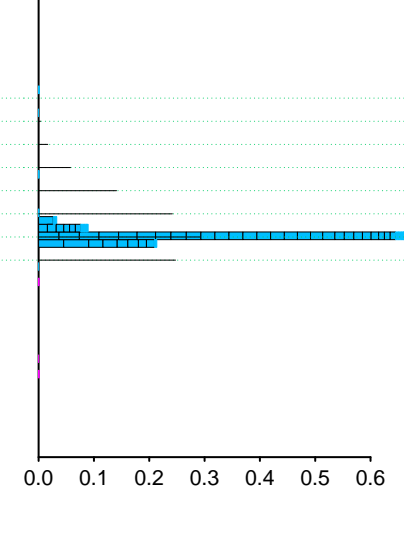
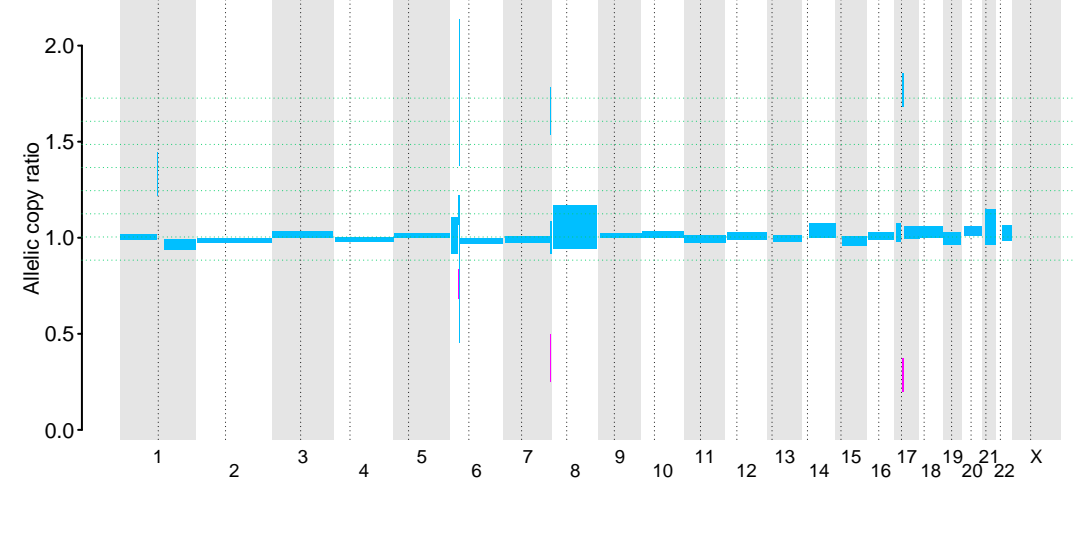


Sample 28

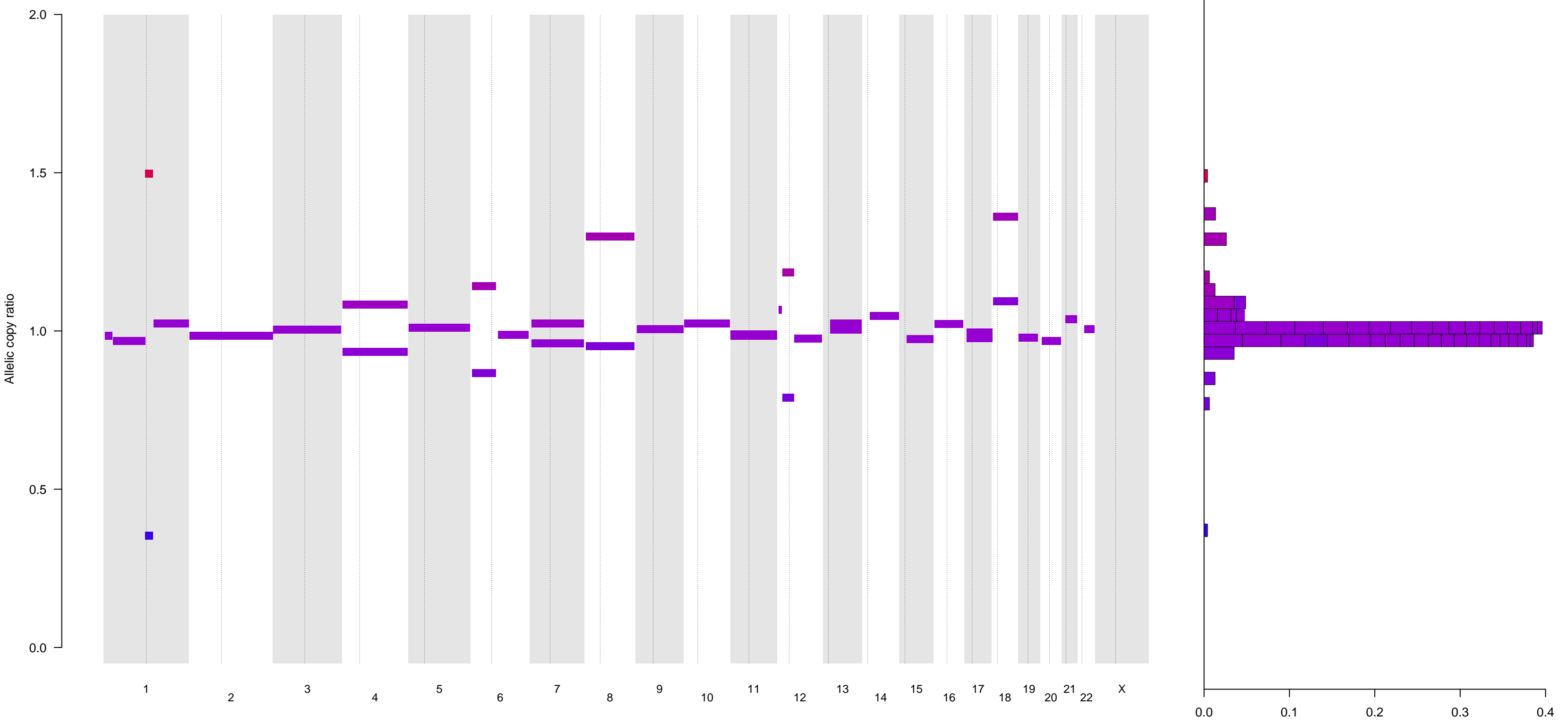


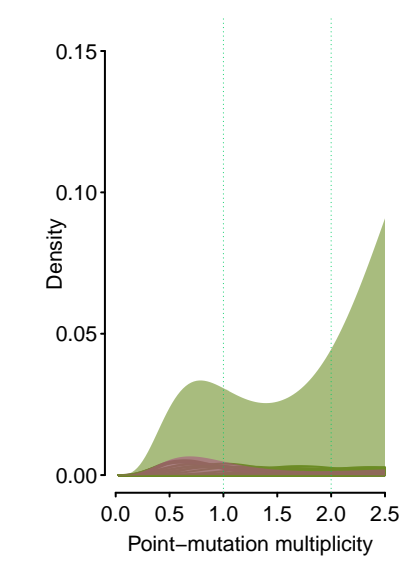
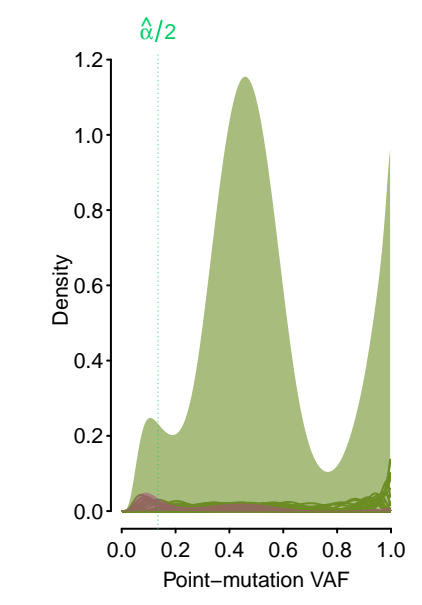
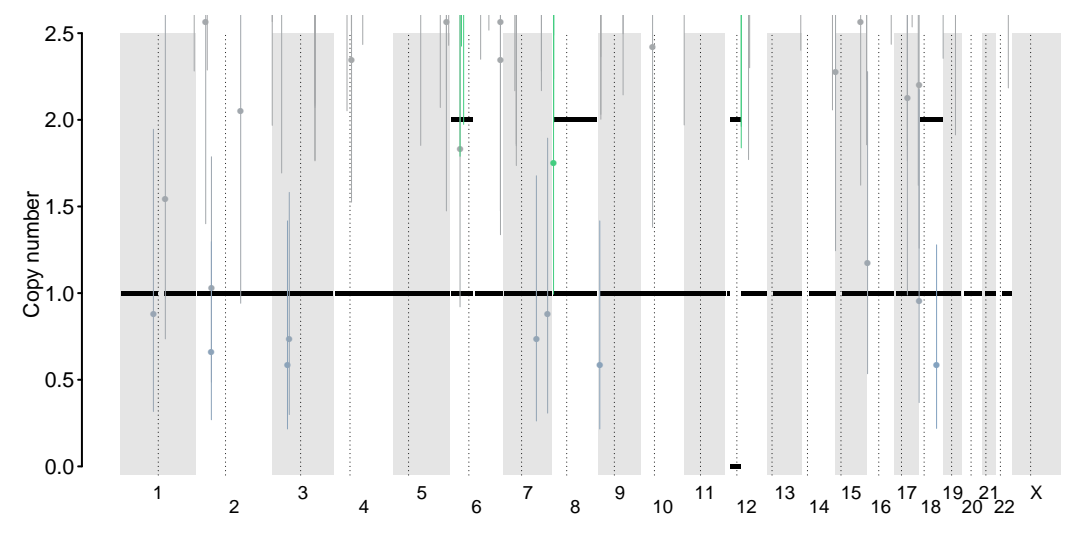
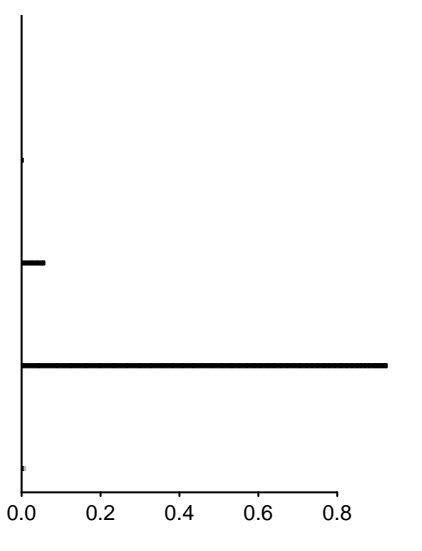
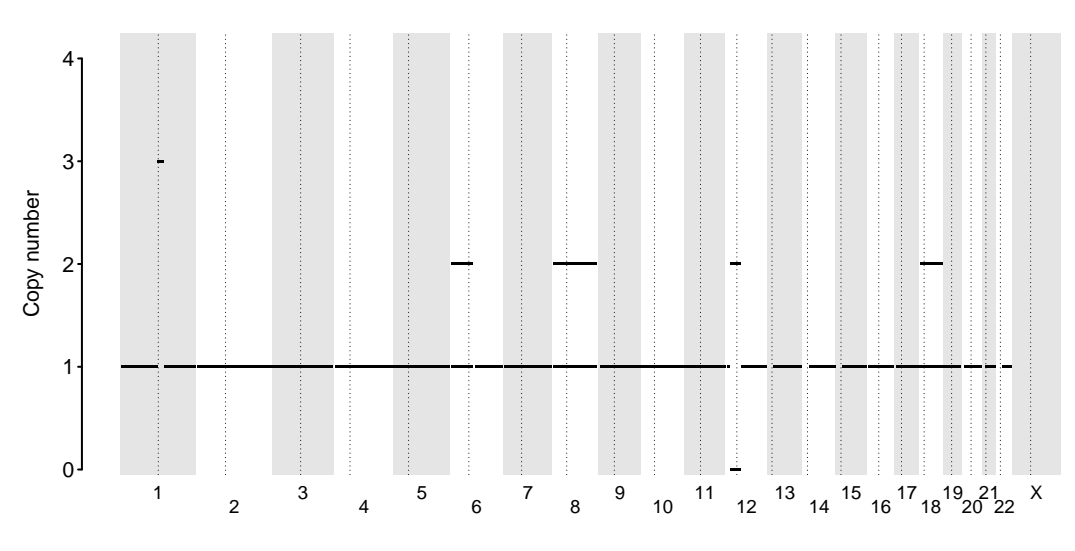
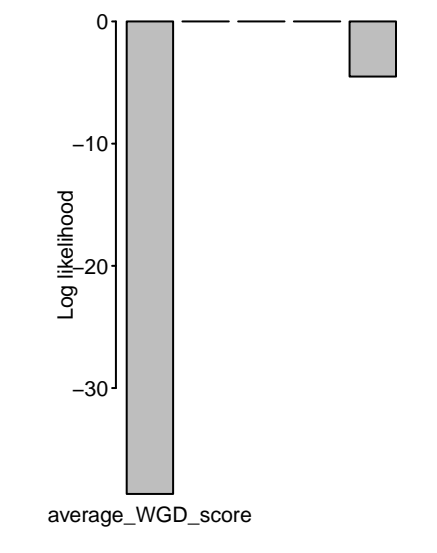
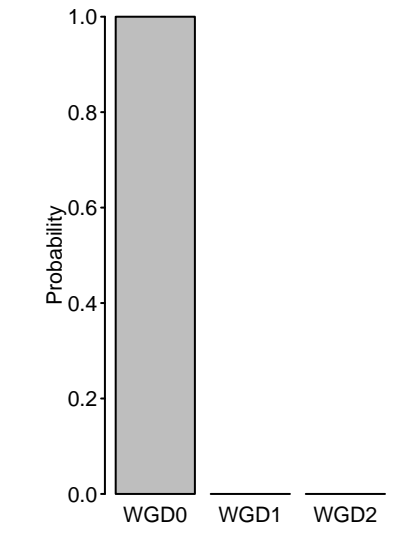
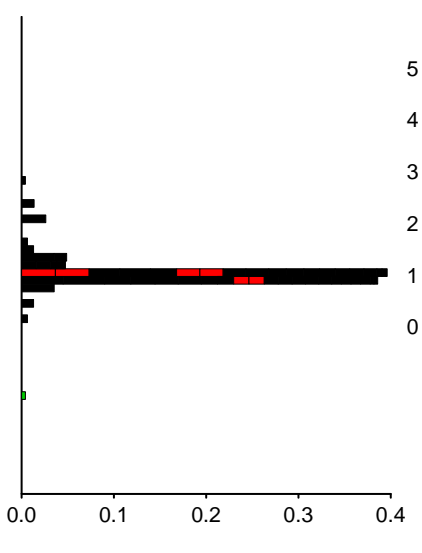
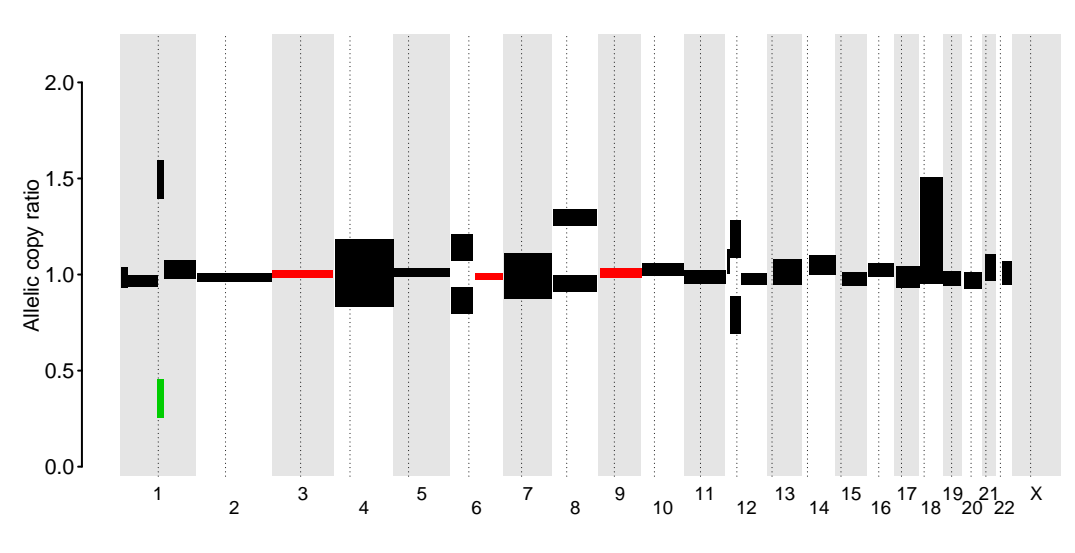
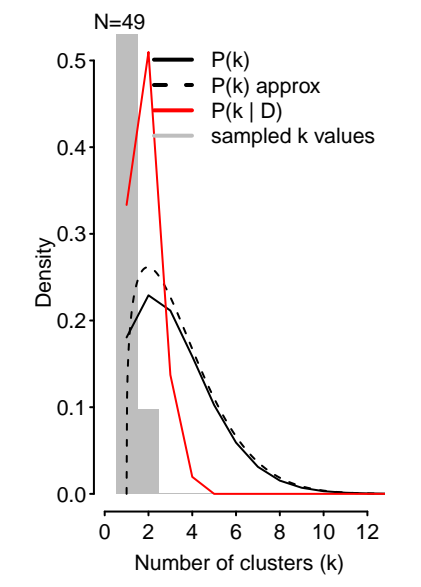
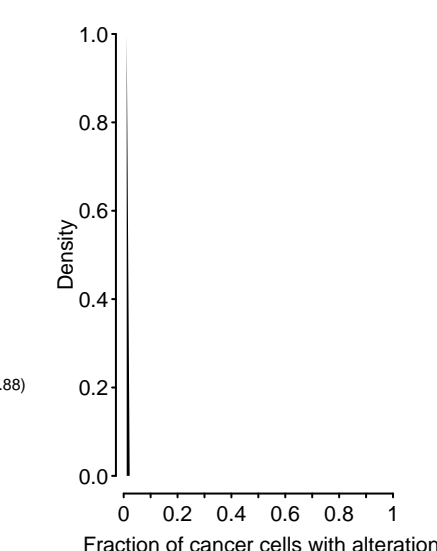
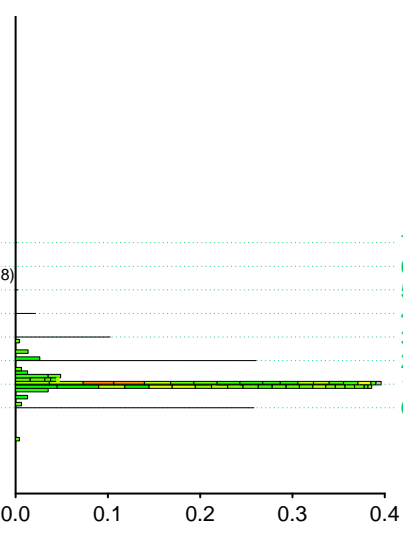
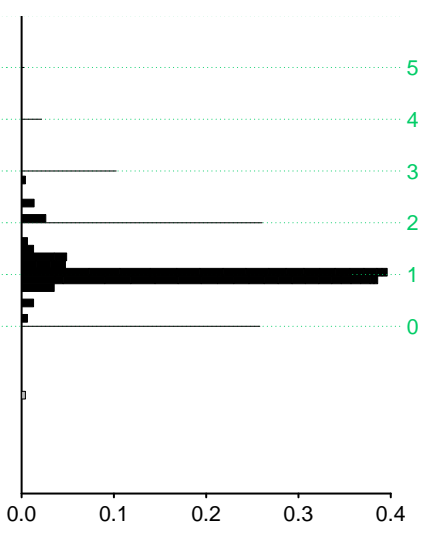
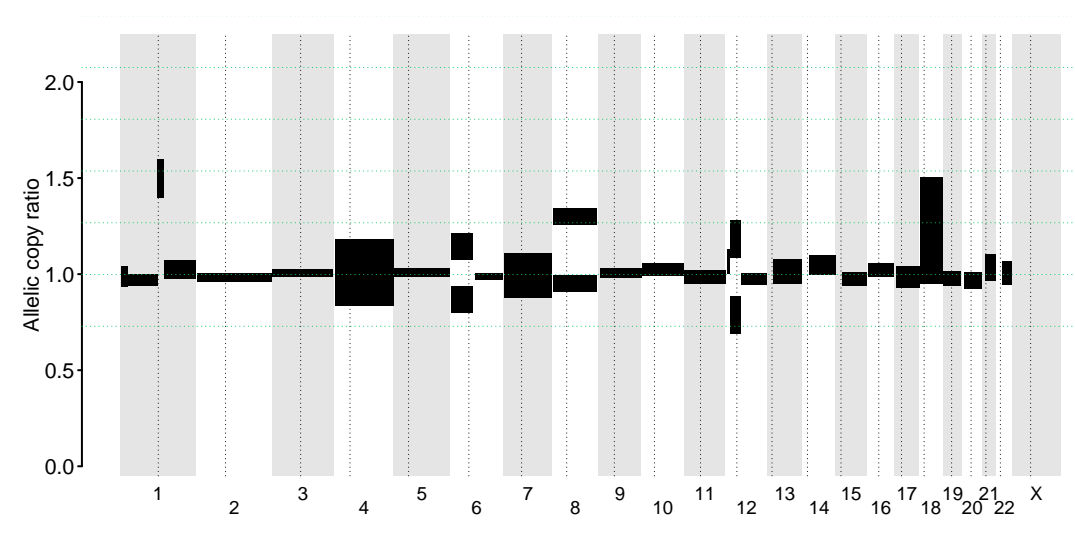
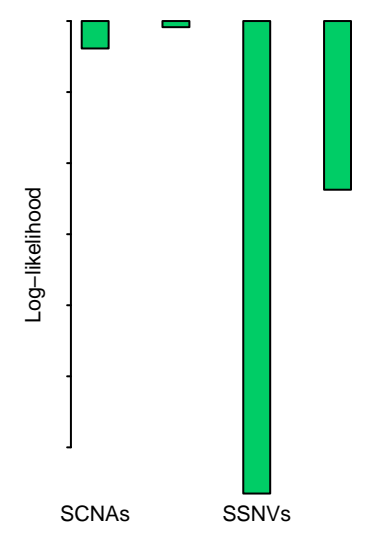
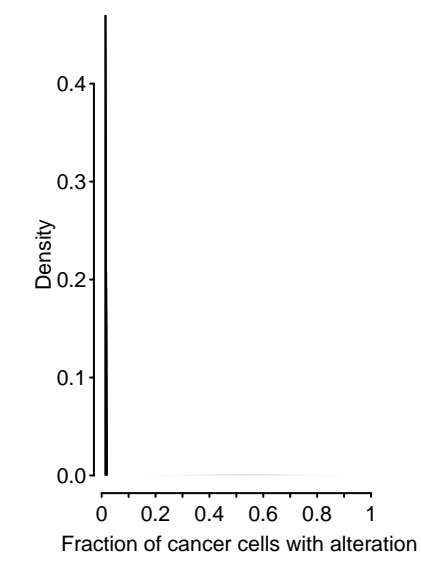
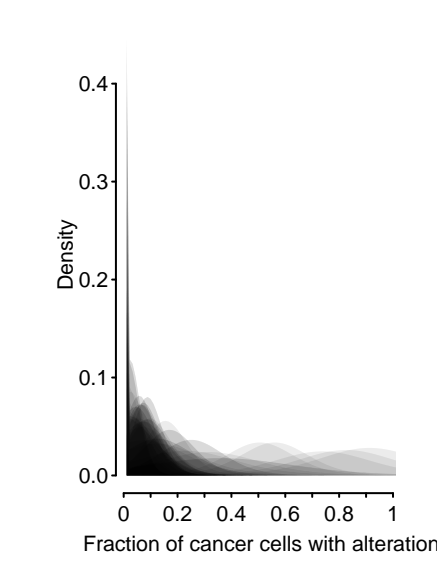
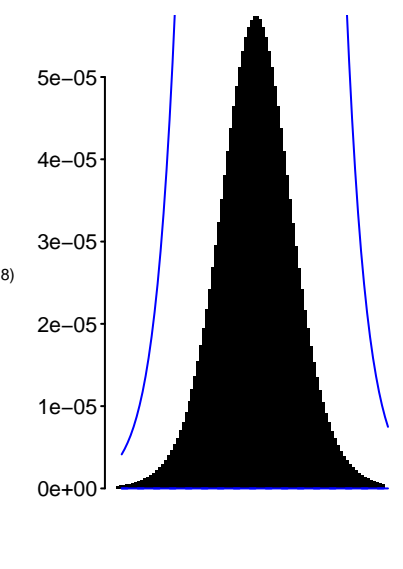
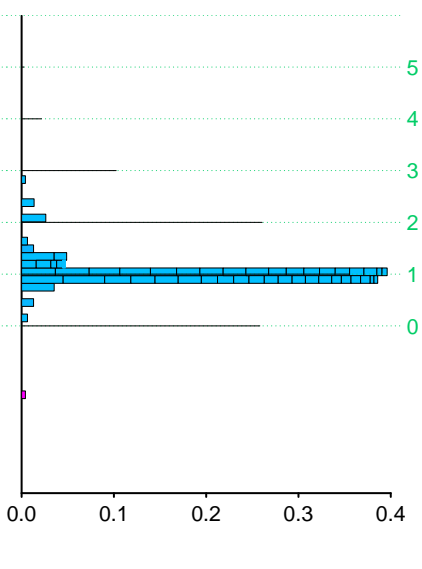
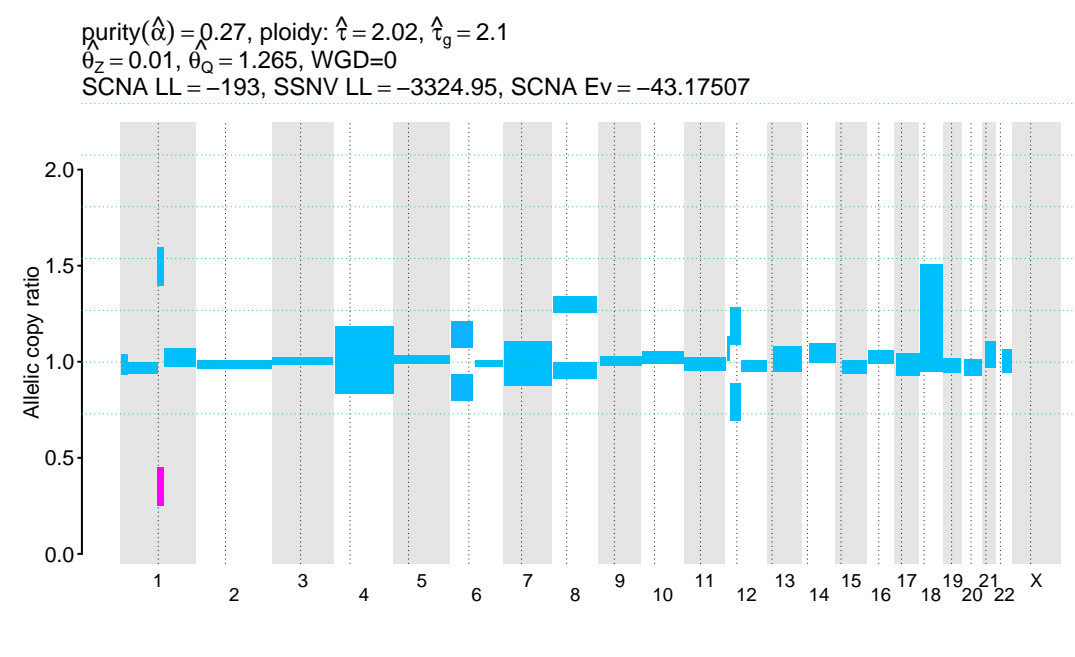
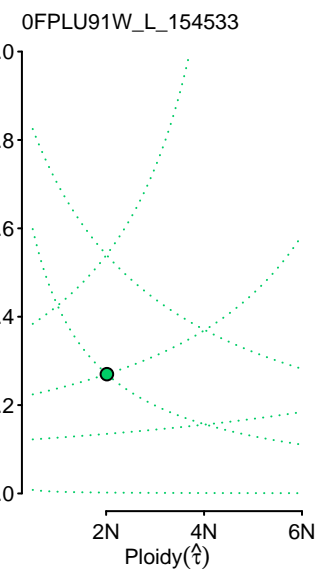


purity($\hat{\alpha}$) = 0.12, ploidy: $\hat{k} = 1.93$, $\hat{k}_g = 2.07$
 $\theta_z = 0$, $\theta_0 = 1.684$, WGD=0
 SCNA LL = -229.16, SSNV LL = -12690.21, SCNA Ev = -35.45709

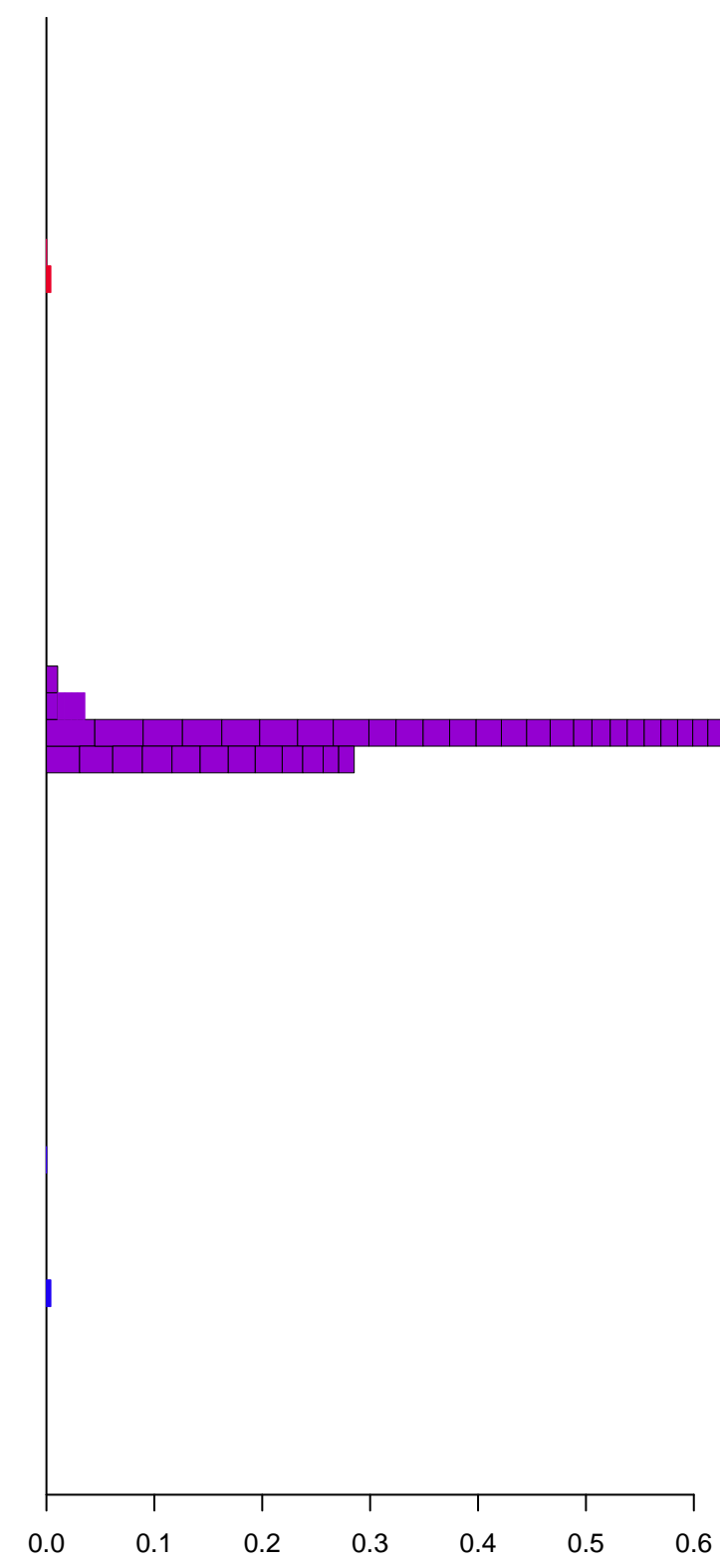
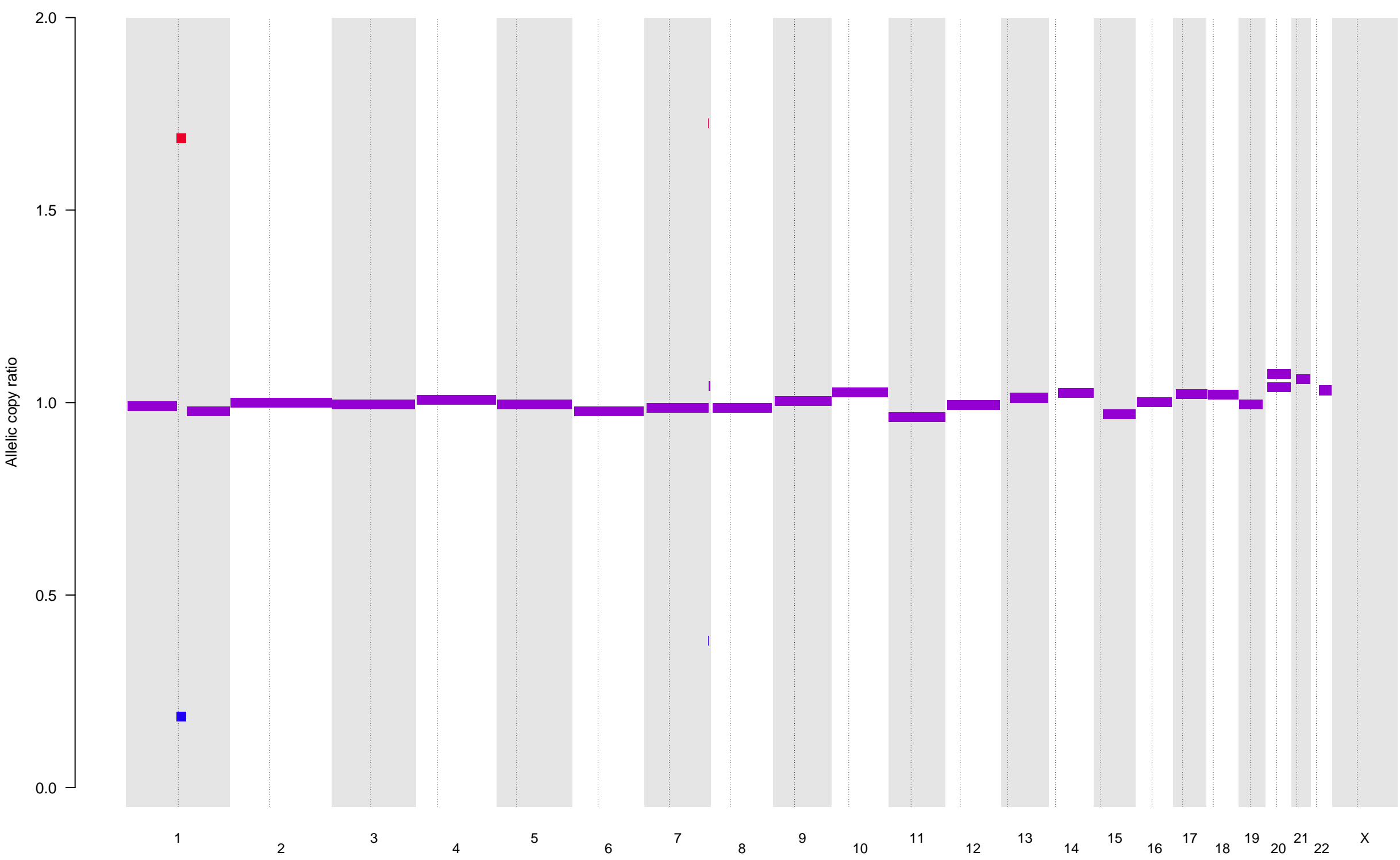


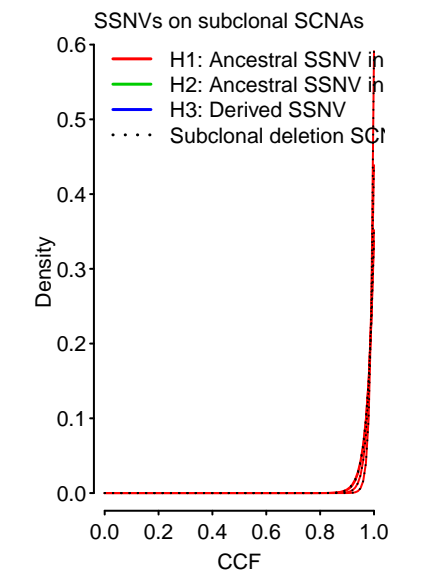
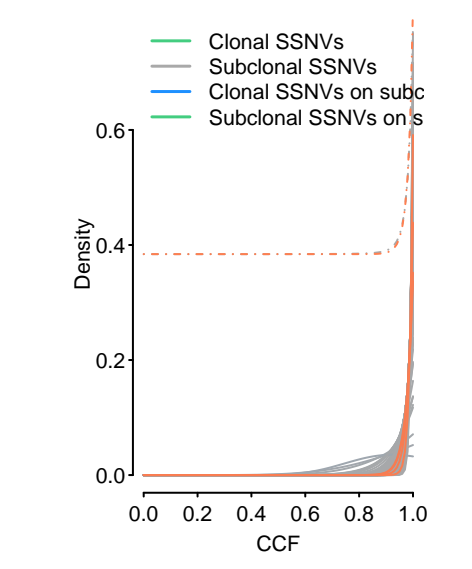
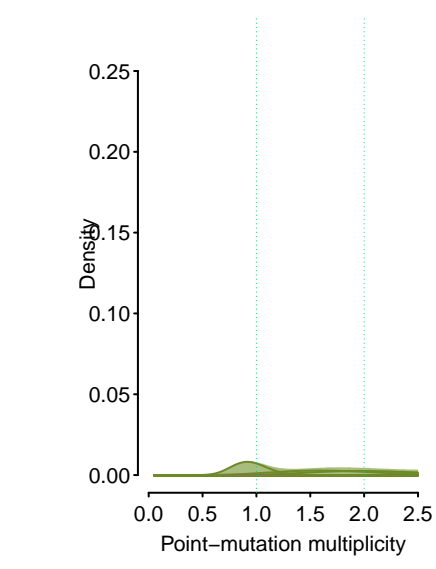
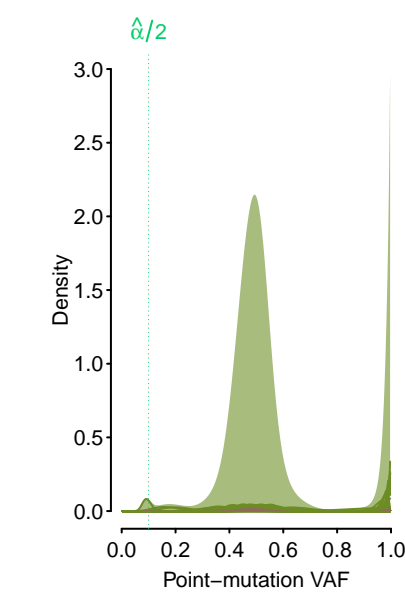
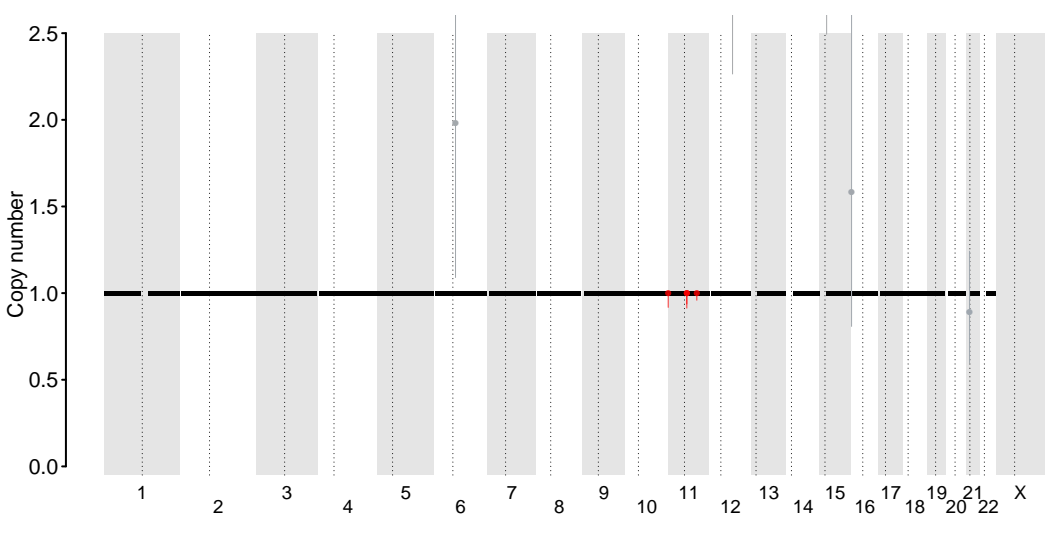
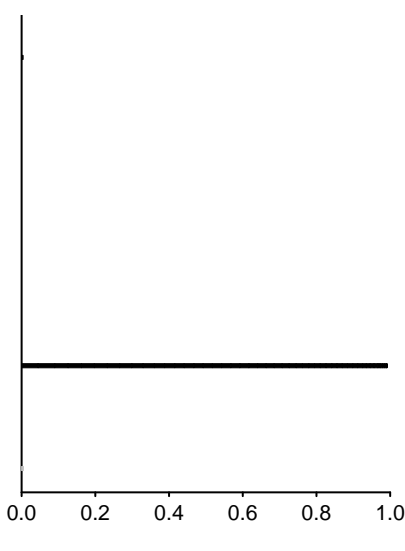
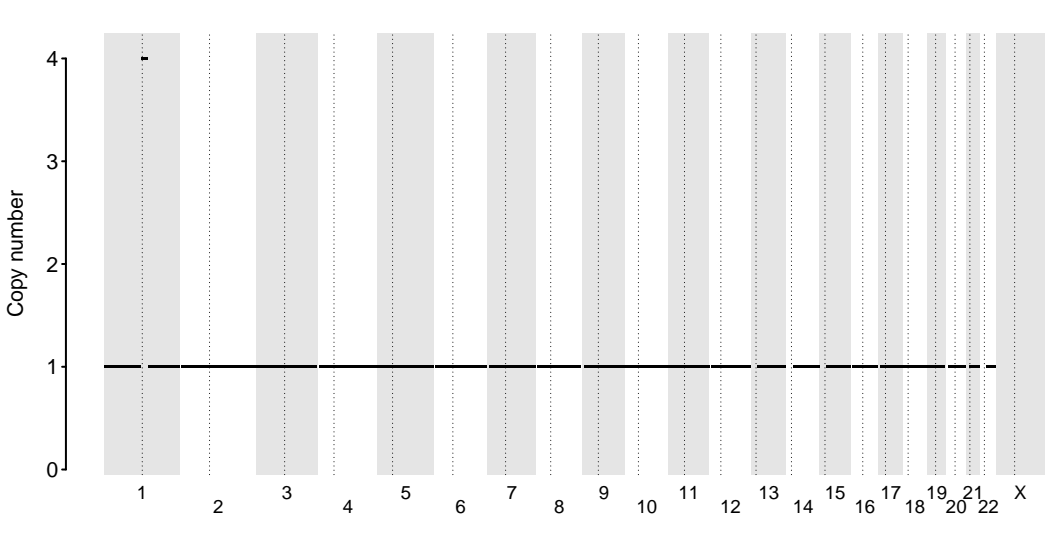
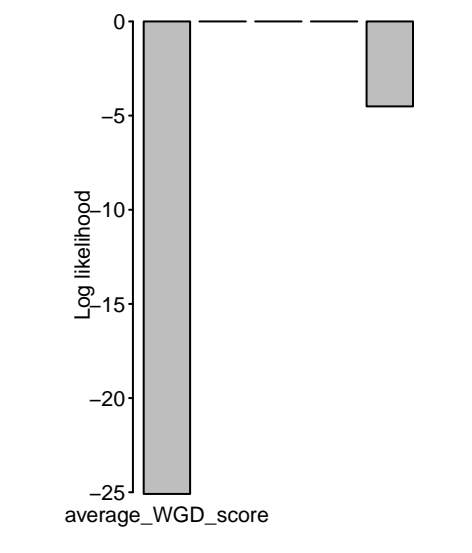
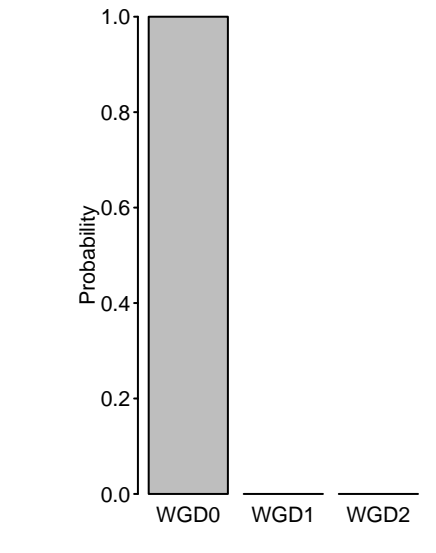
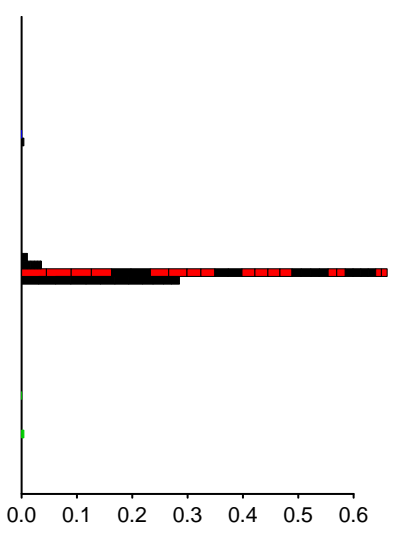
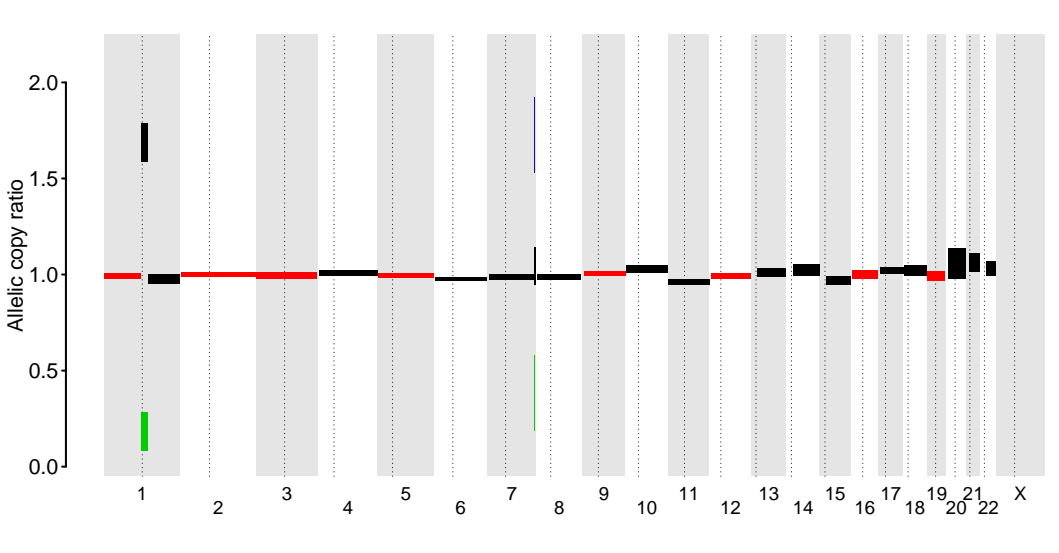
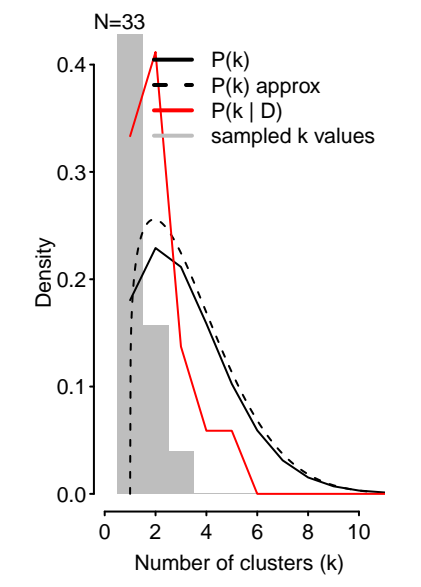
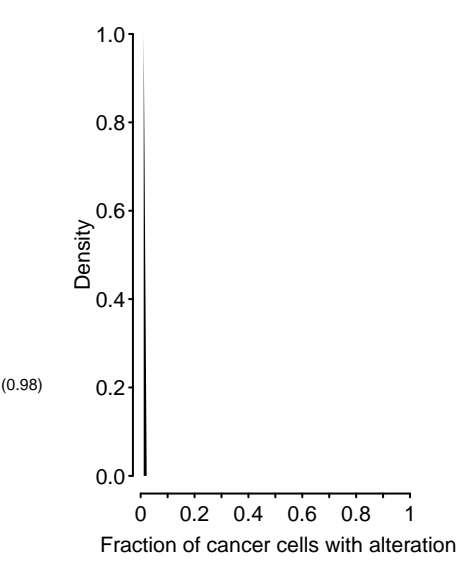
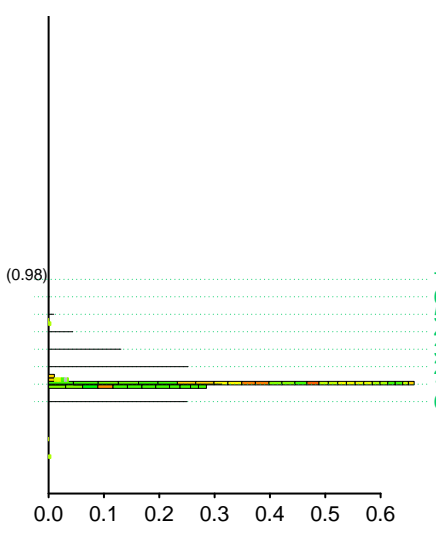
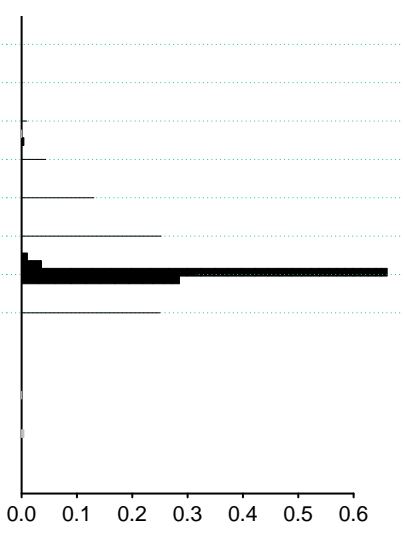
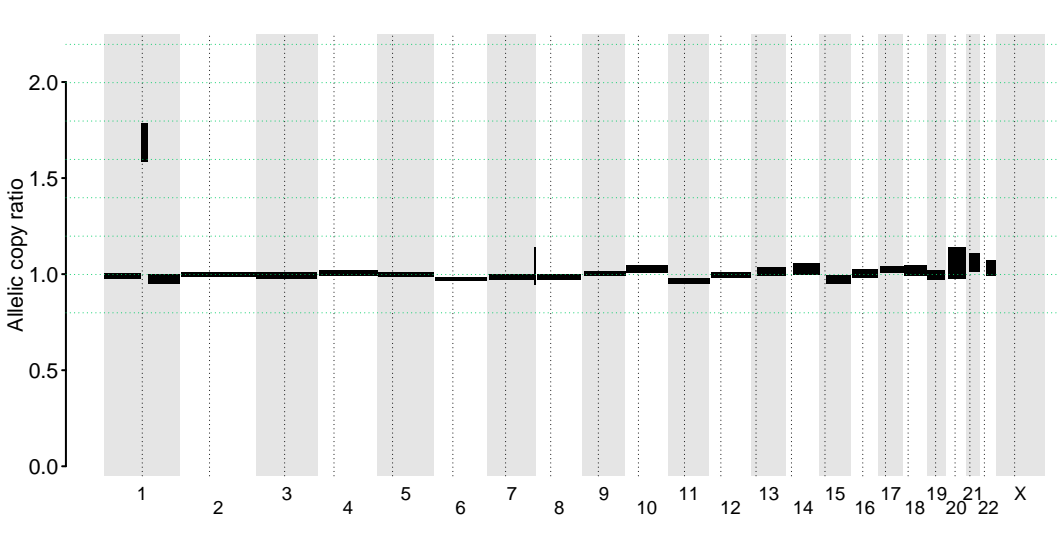
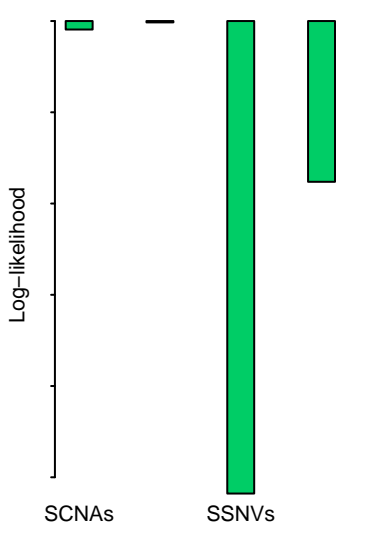
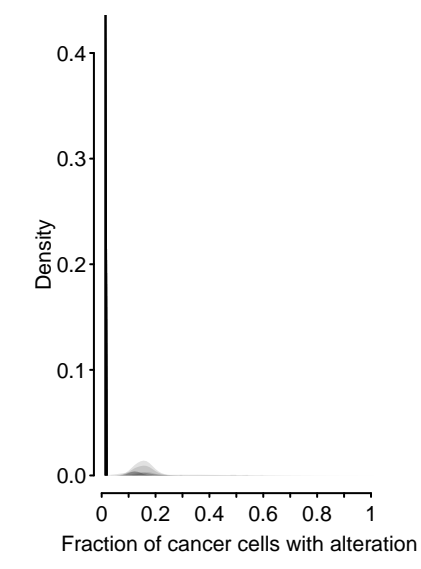
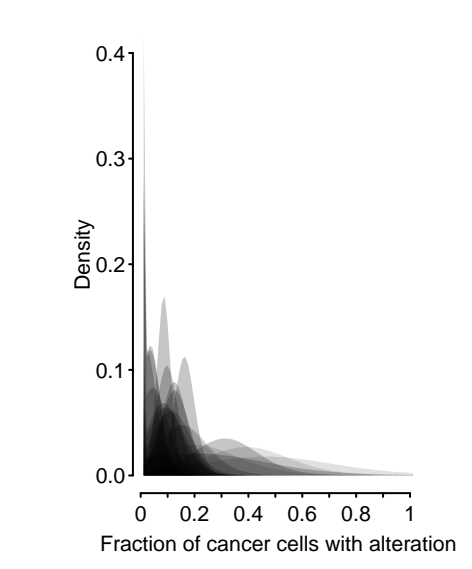
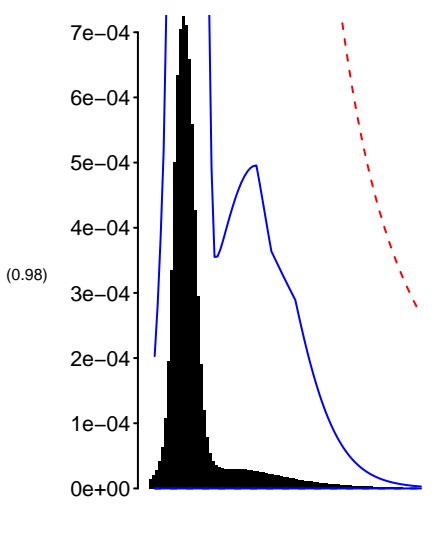
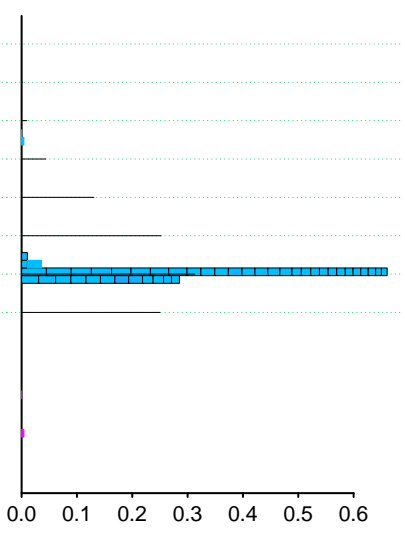
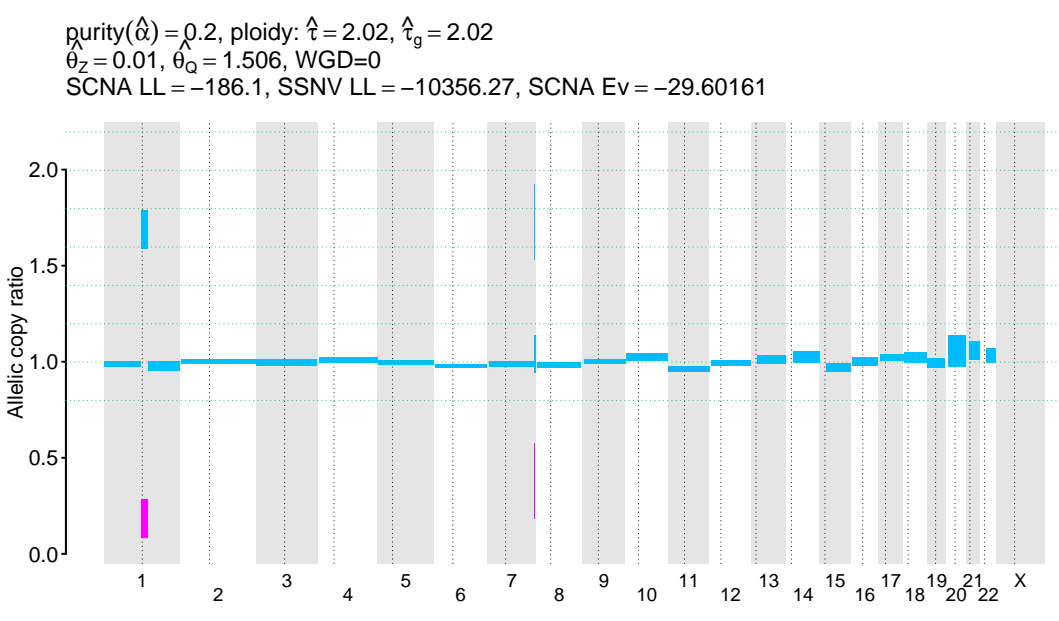
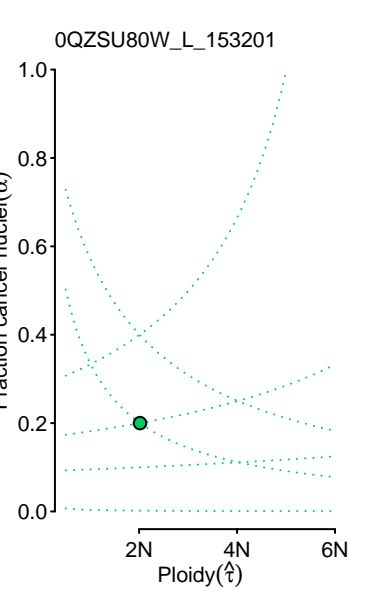
Sample 29



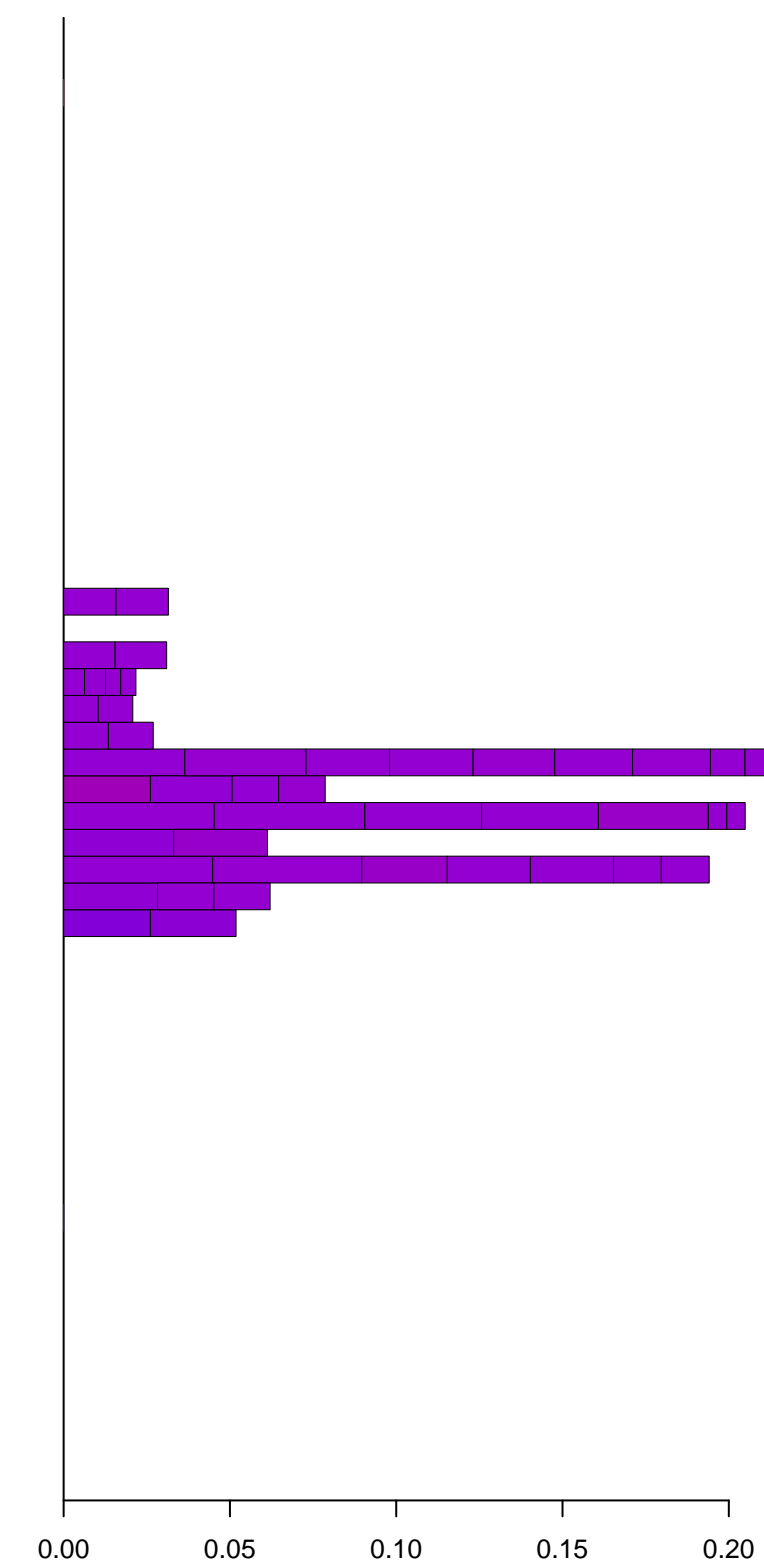
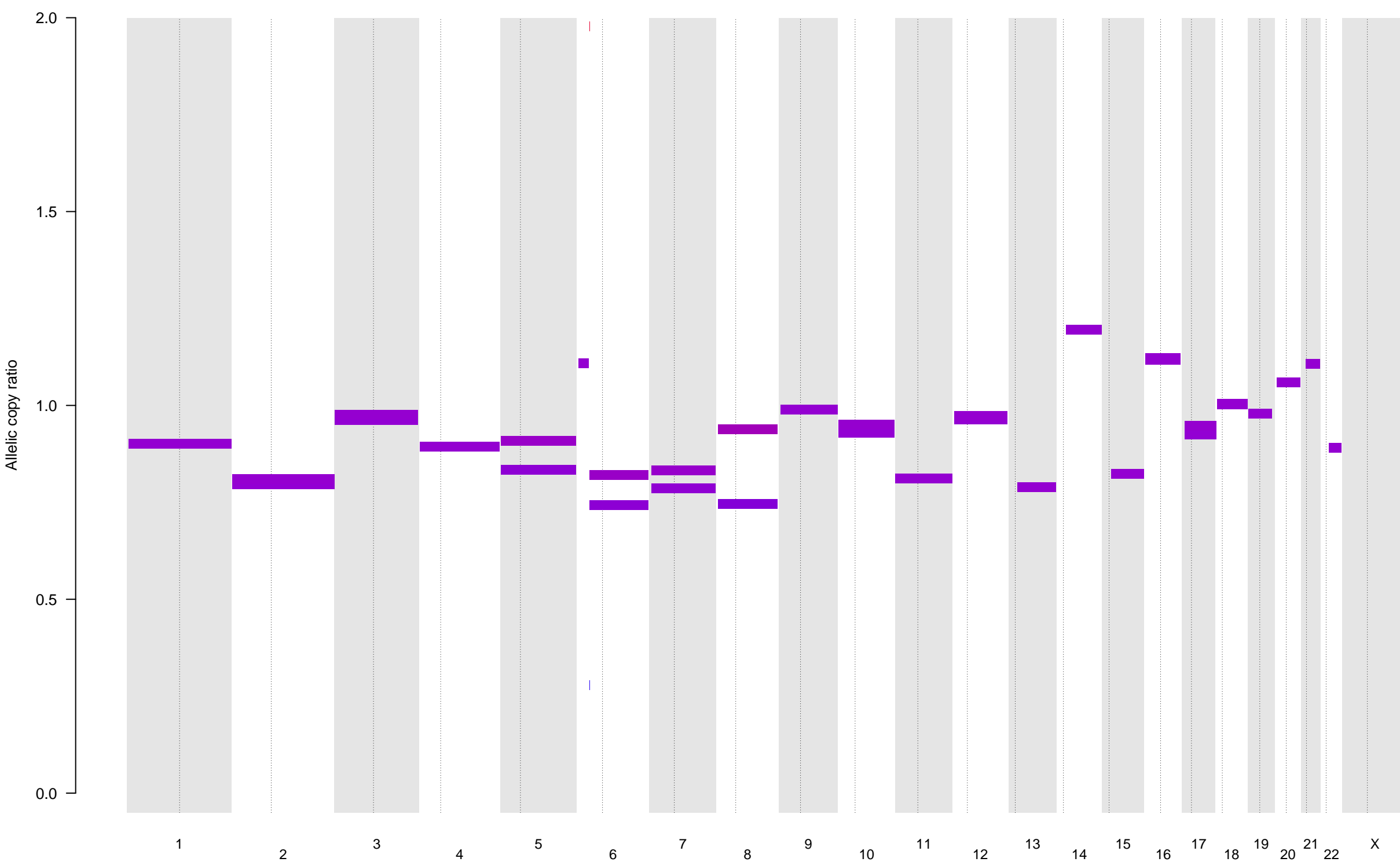


Sample 30

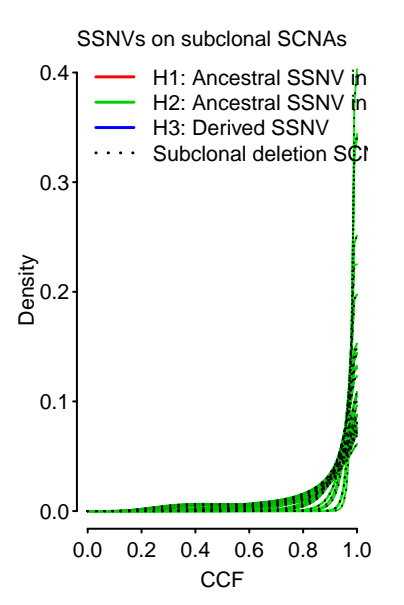
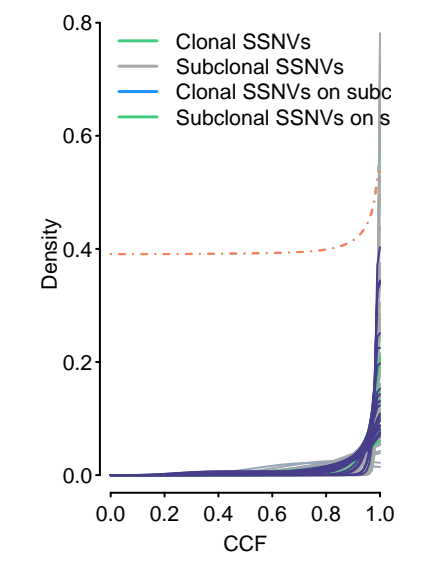
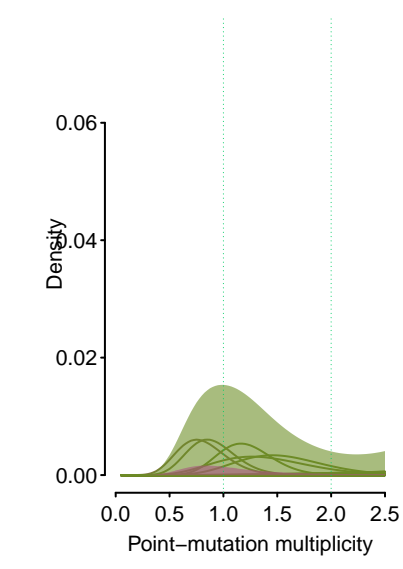
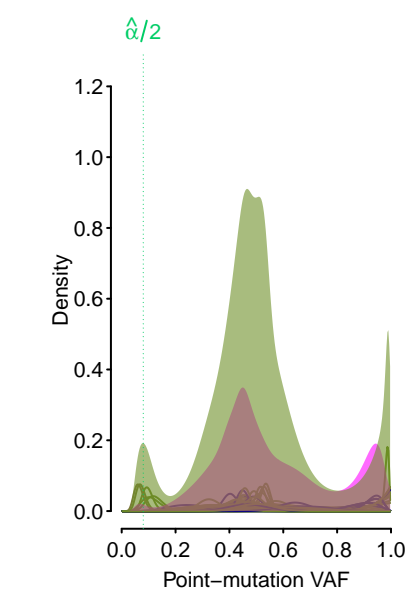
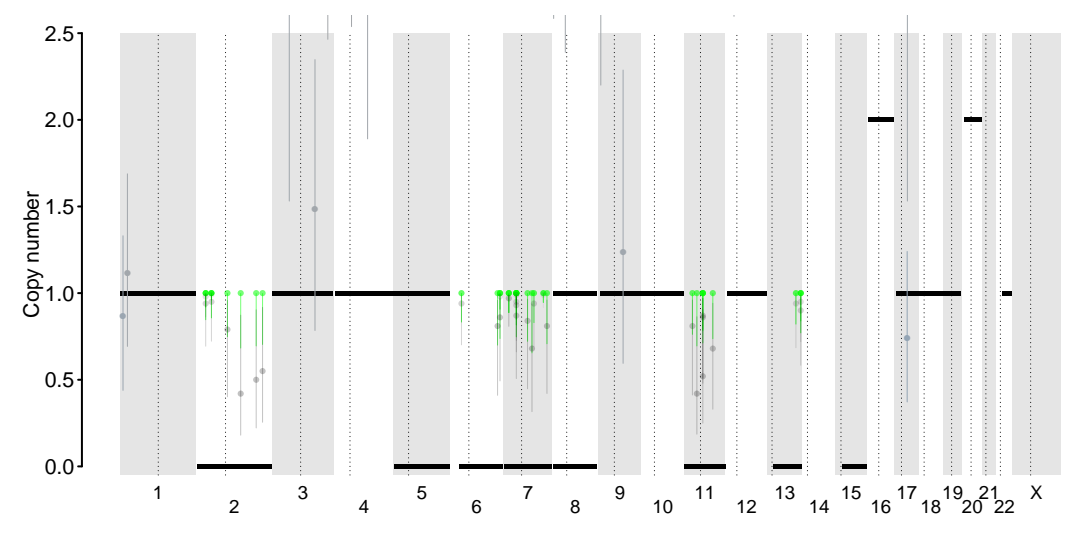
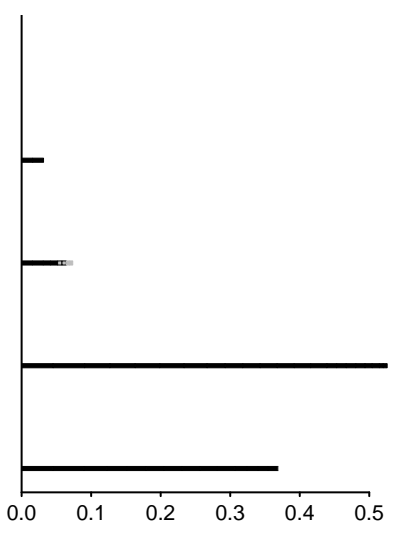
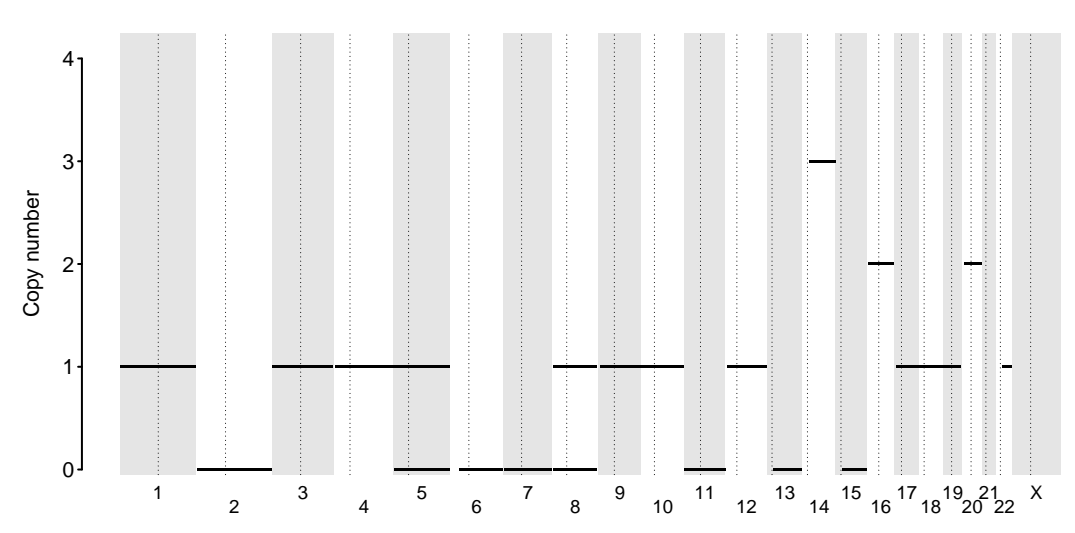
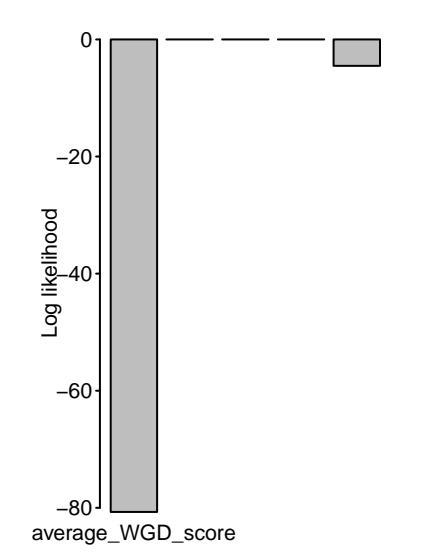
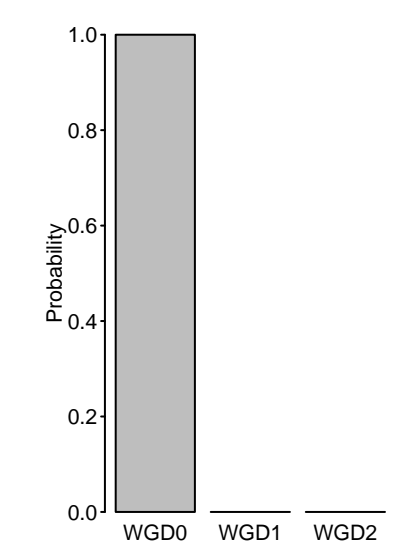
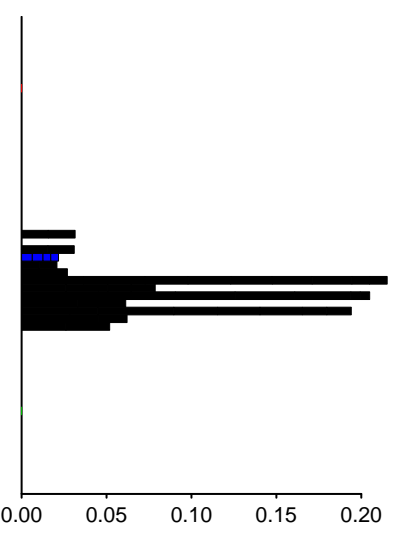
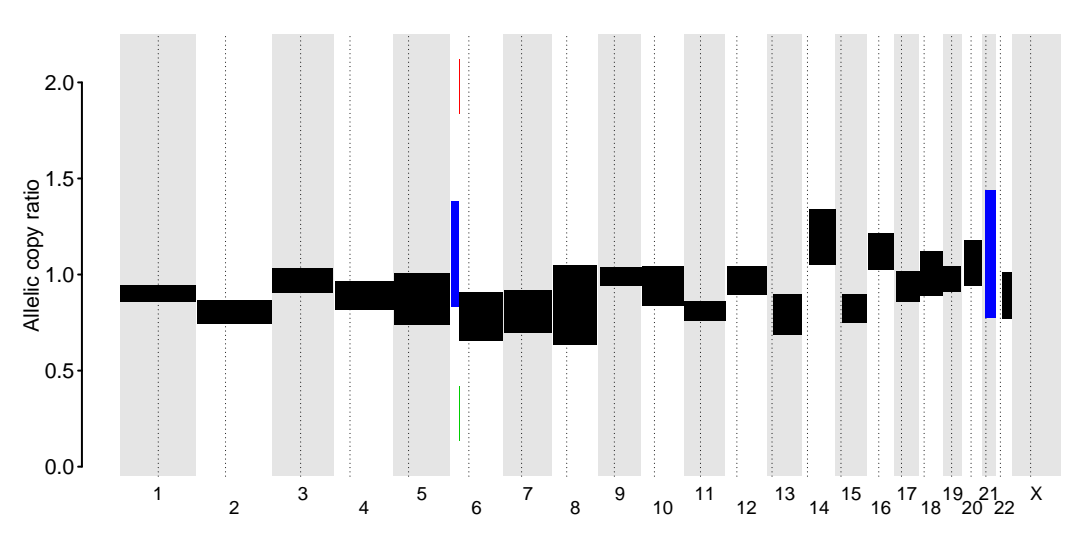
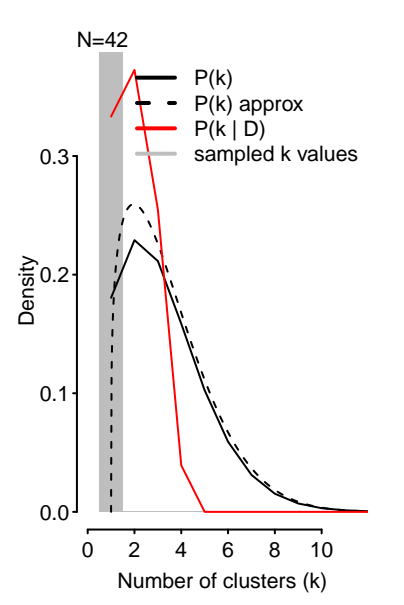
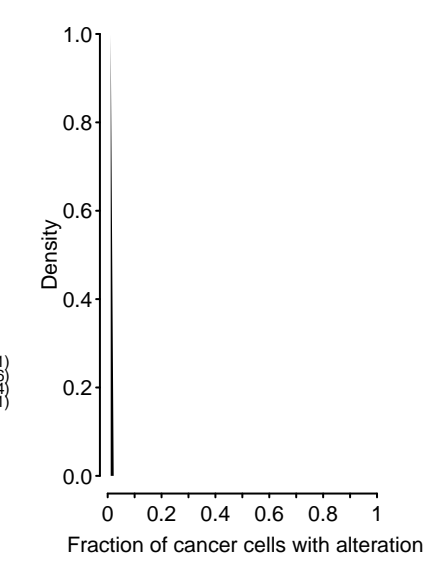
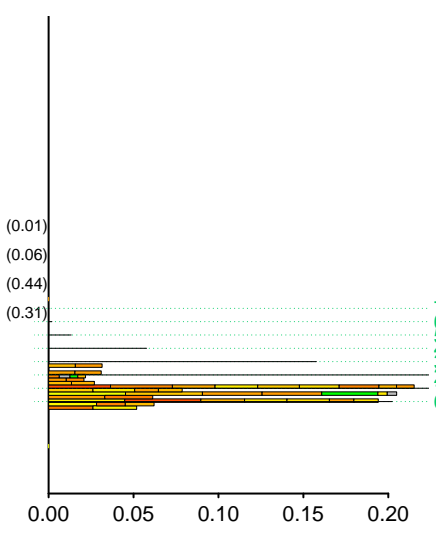
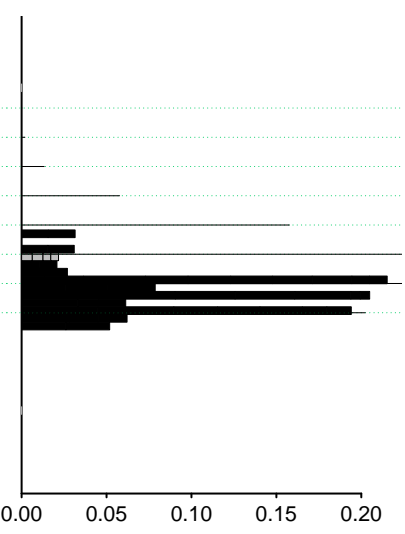
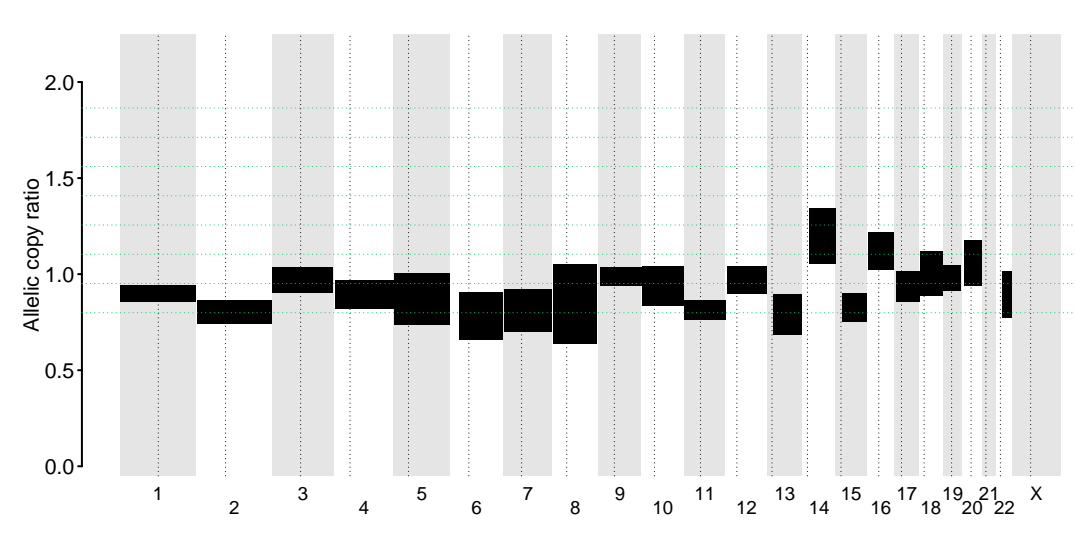
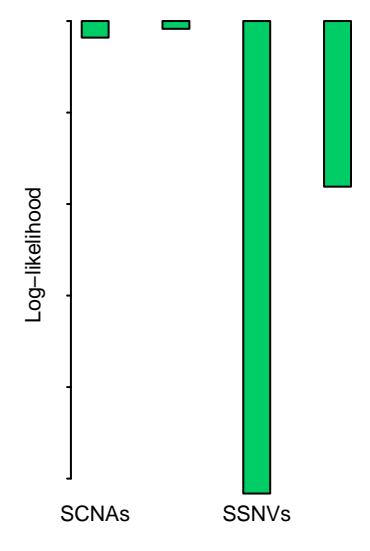
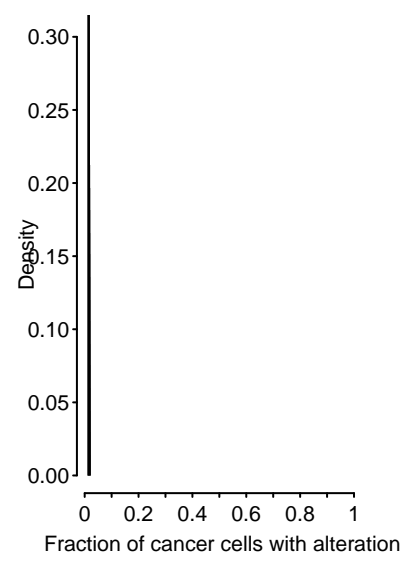
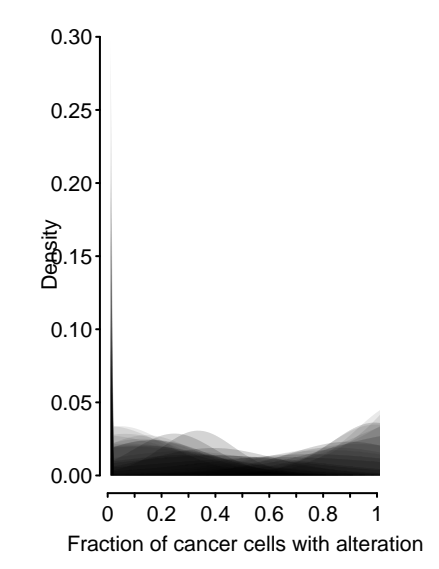
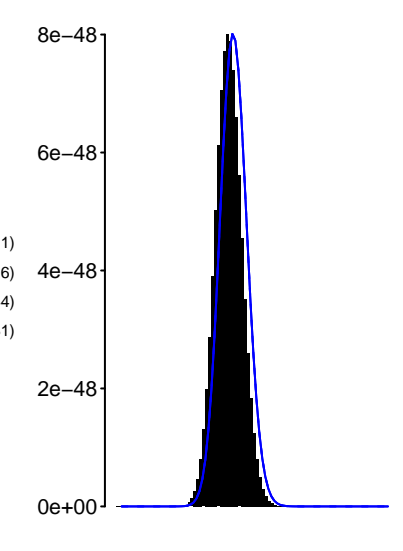
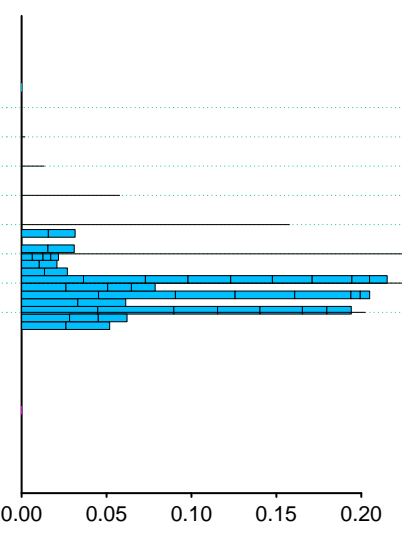
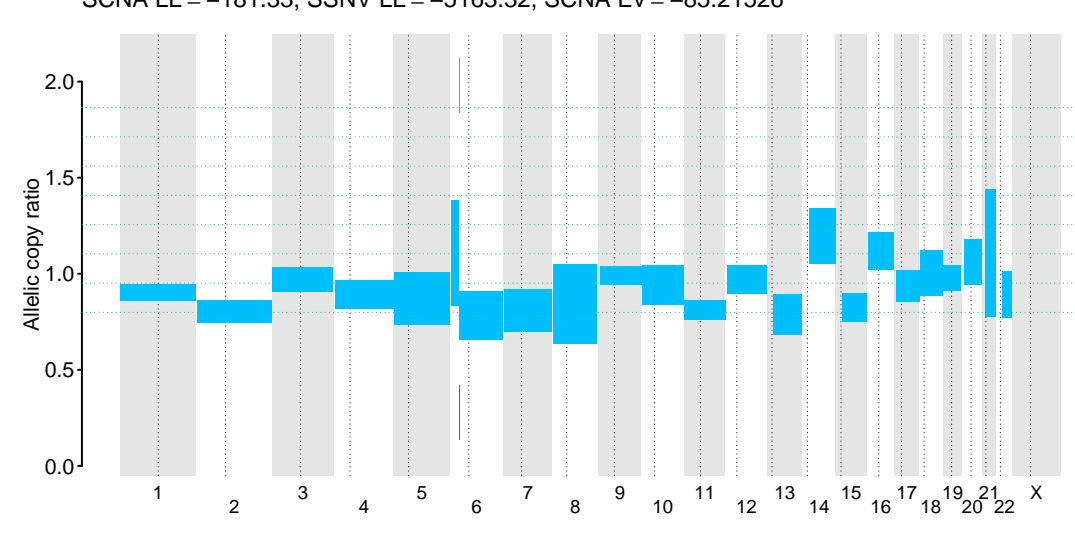
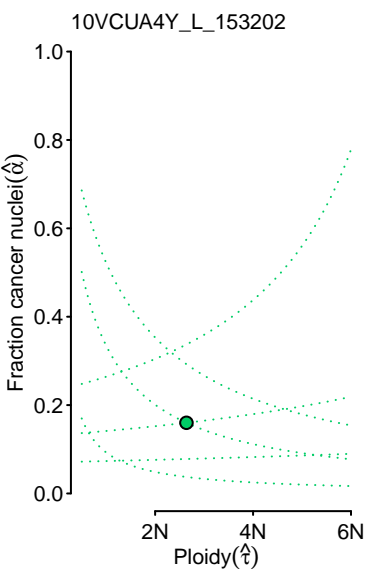




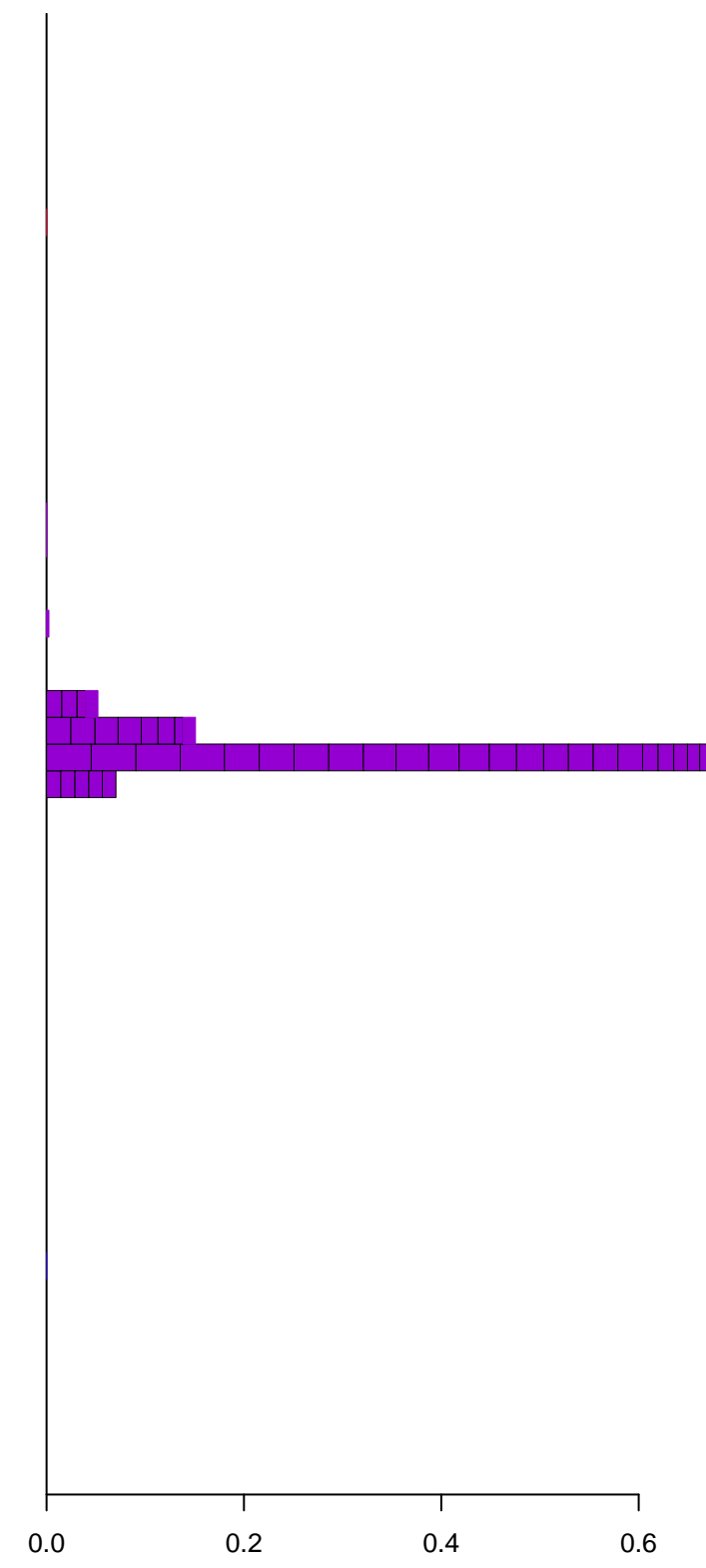
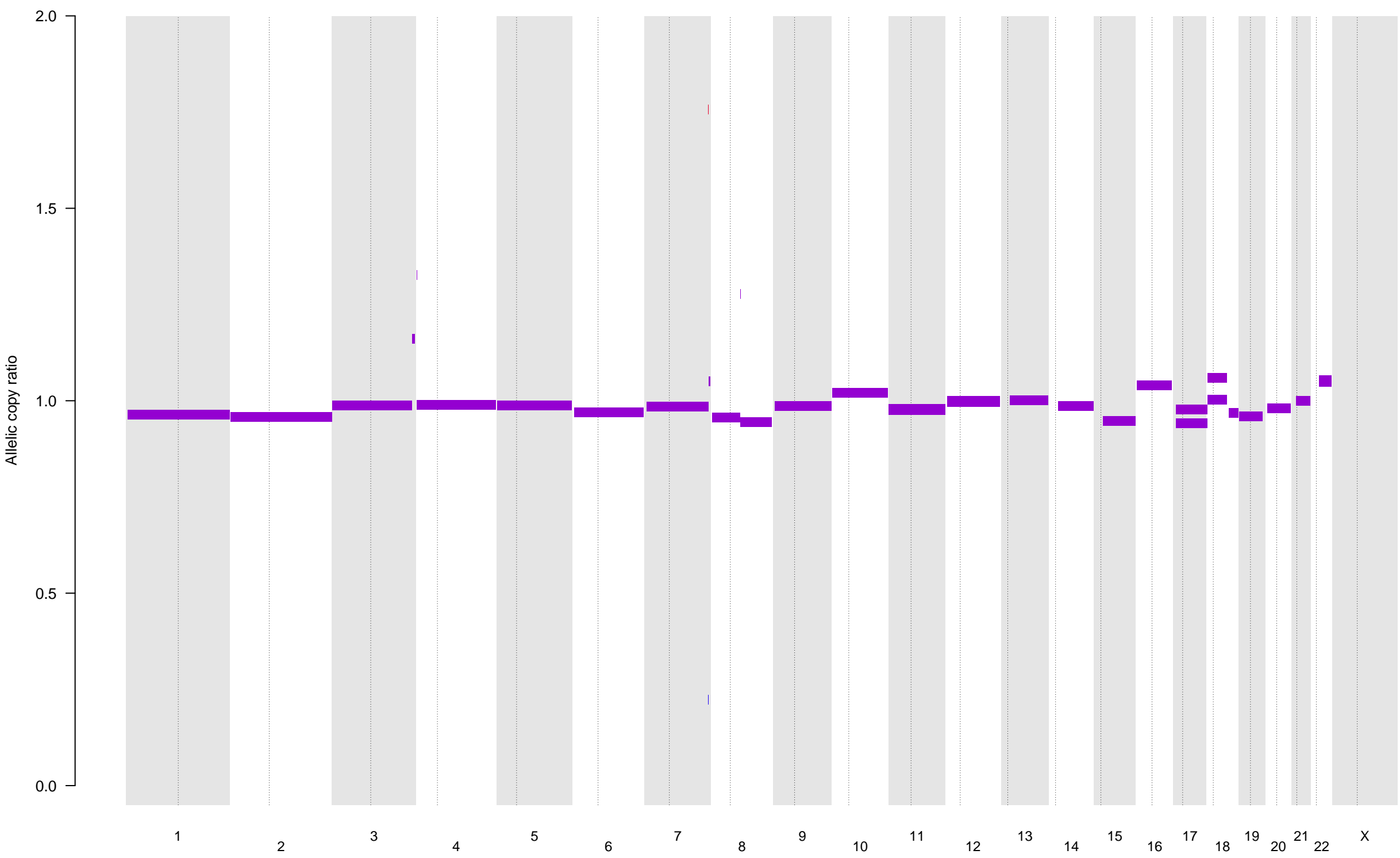
Sample 31



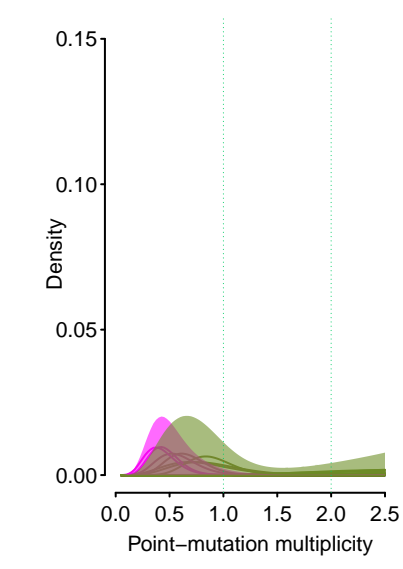
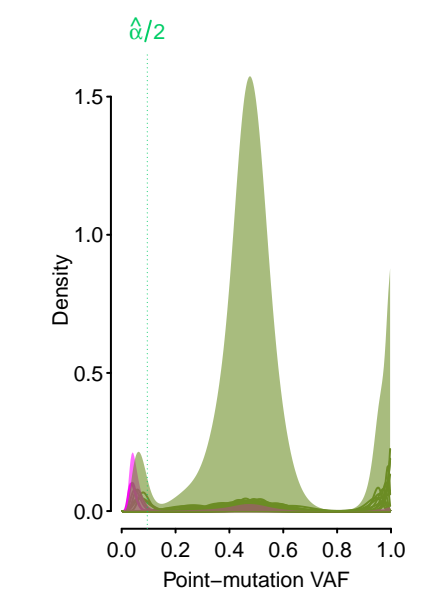
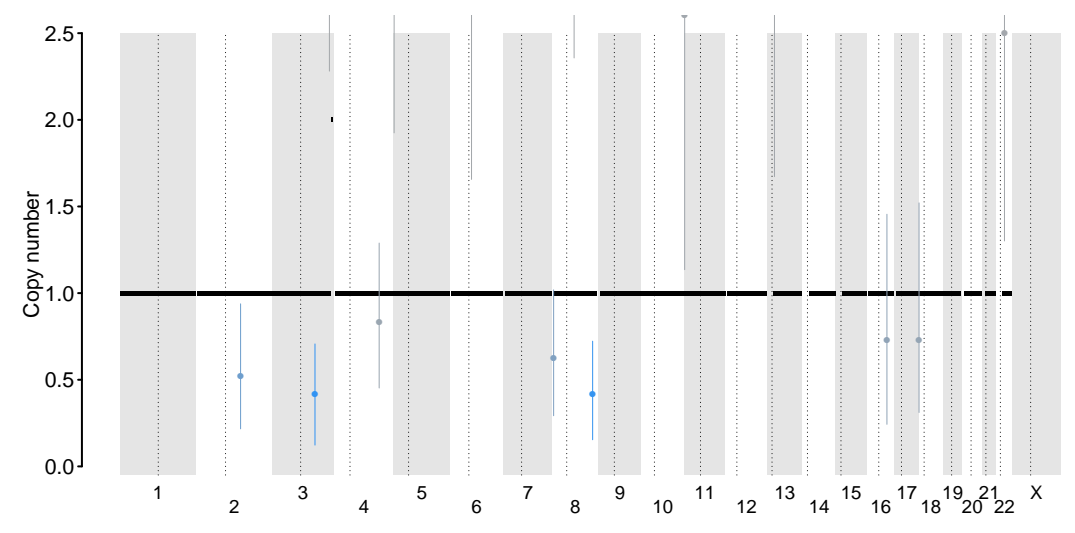
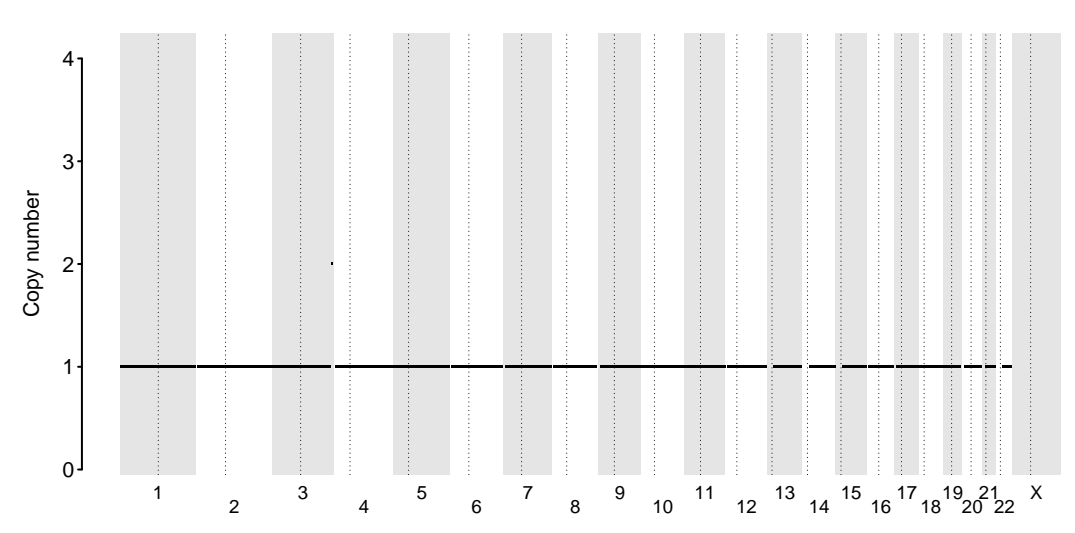
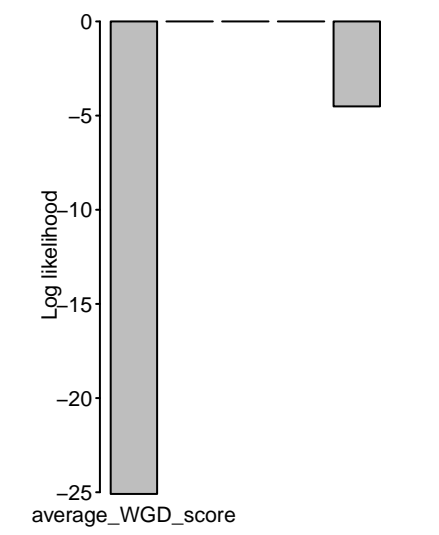
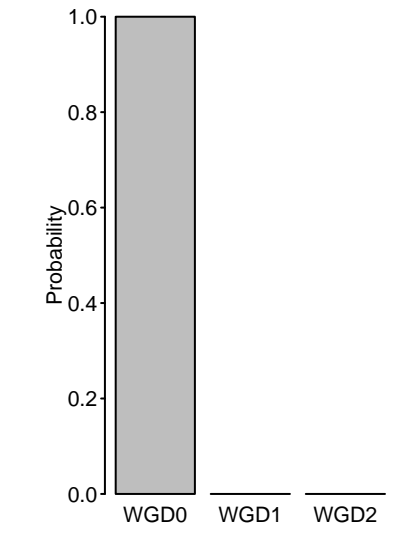
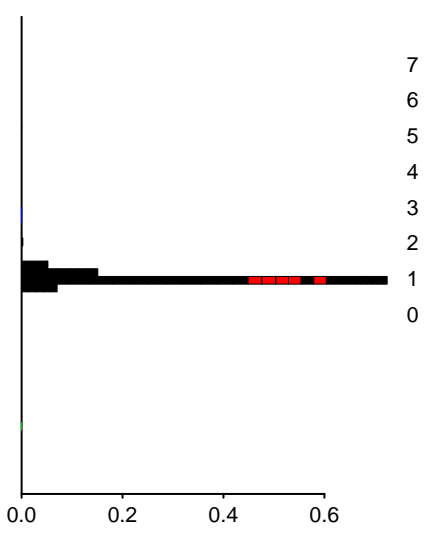
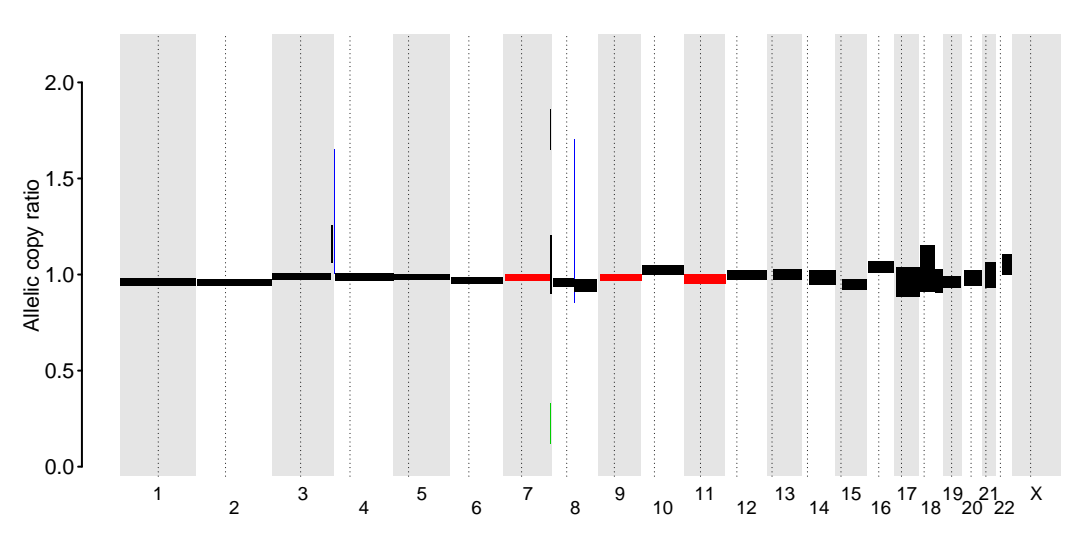
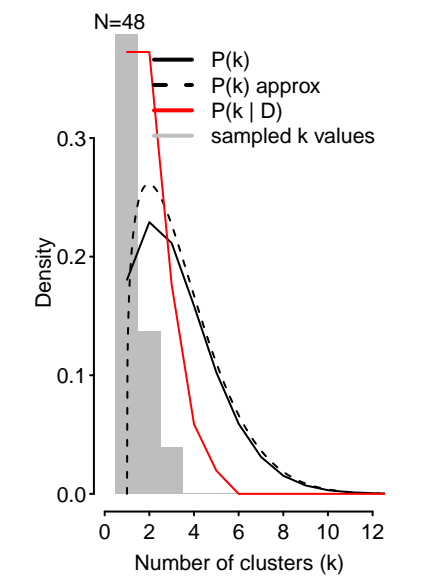
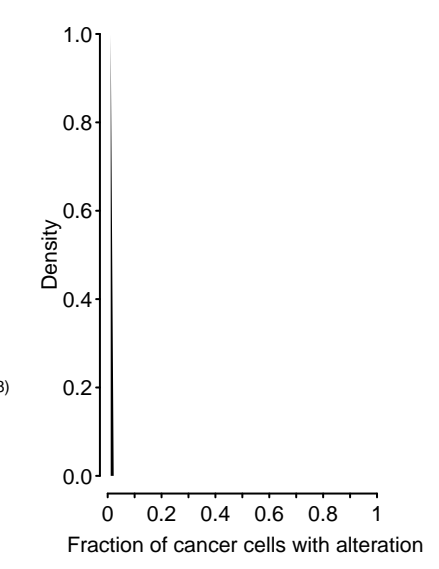
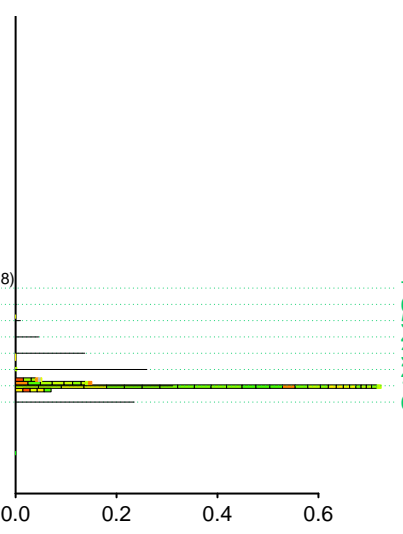
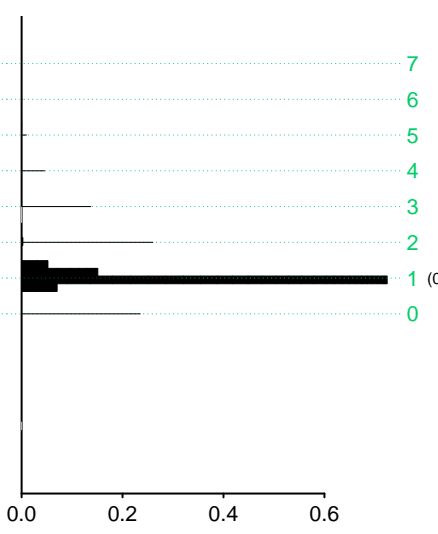
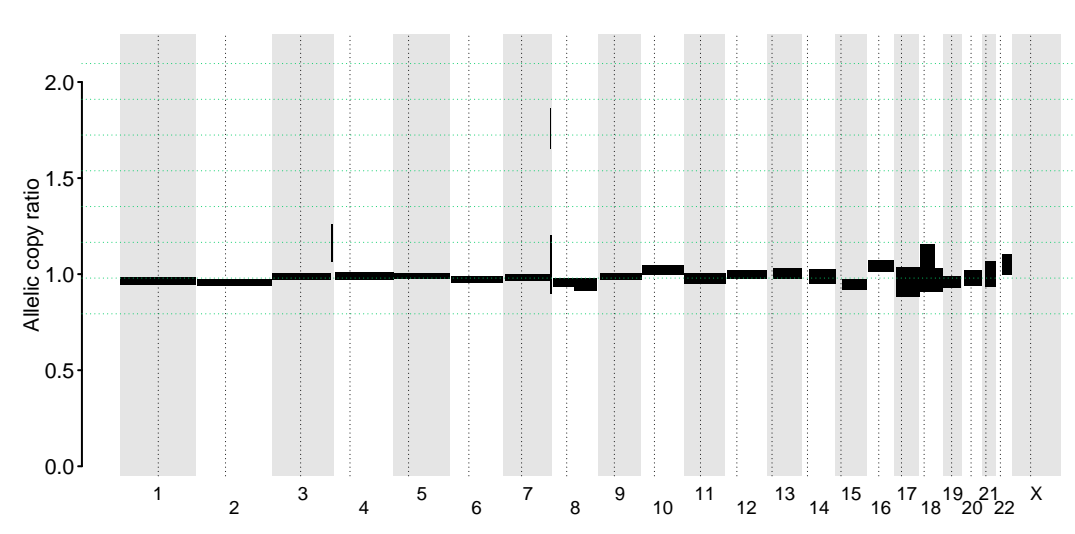
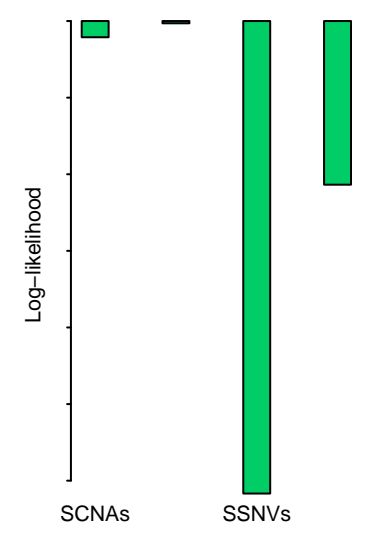
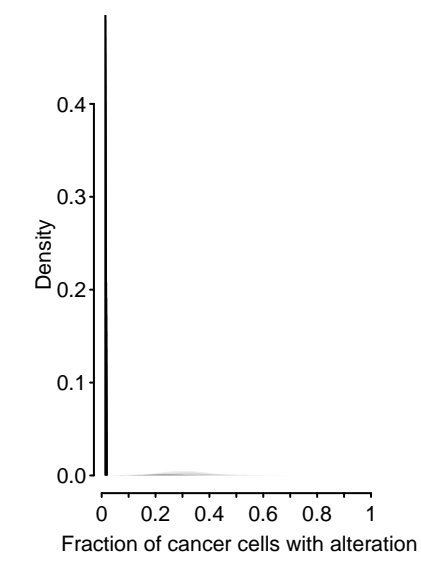
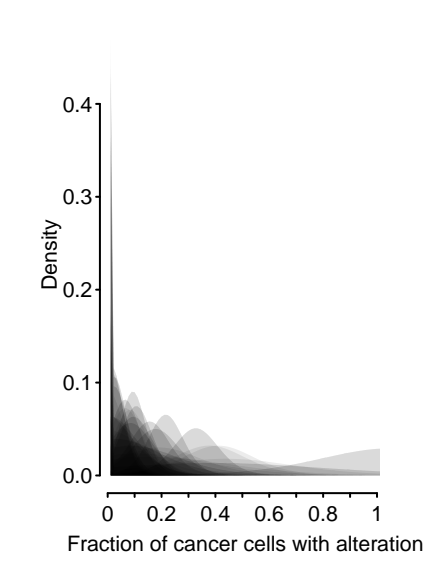
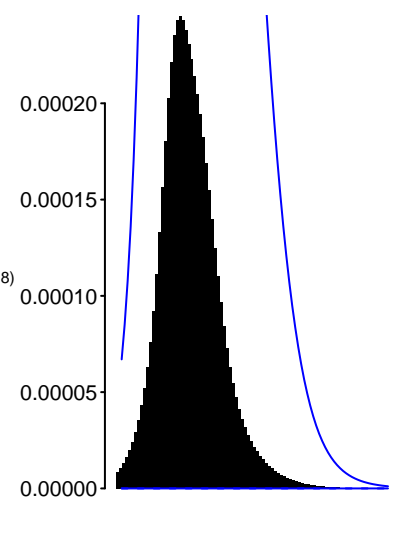
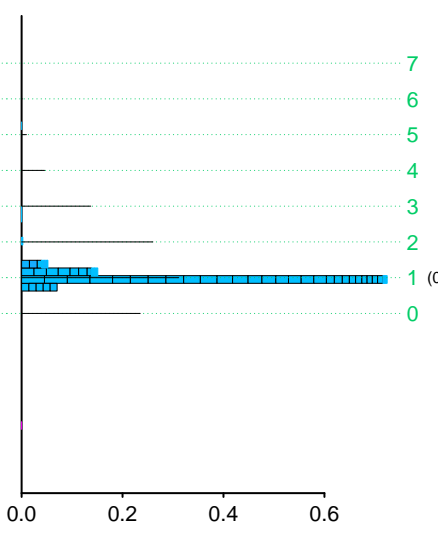
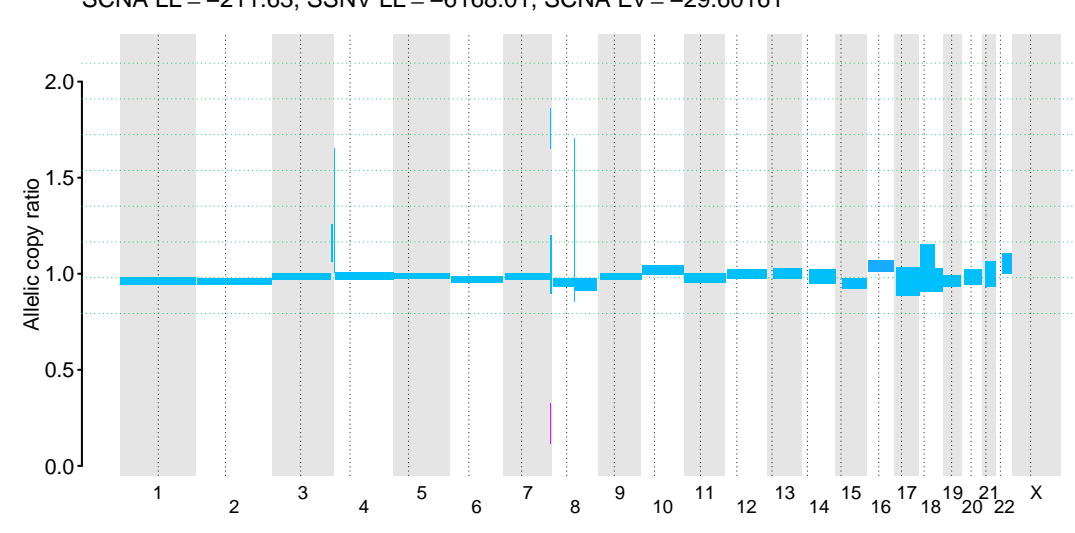
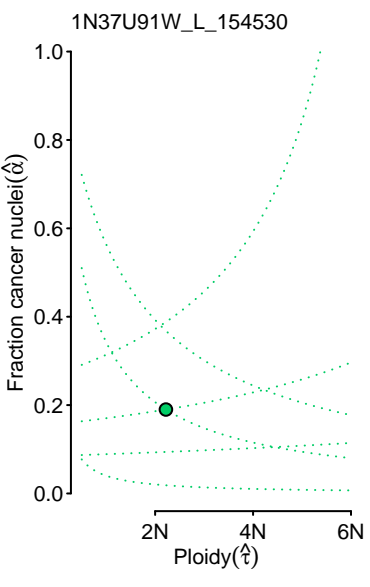
purity($\hat{\alpha}$) = 0.16, ploidy: $\hat{t} = 2.64$, $\hat{t}_g = 1.49$
 $\theta_z = 0$, $\theta_0 = 1.473$, WGD=0
 SCNA LL = -181.33, SSNV LL = -5163.32, SCNA Ev = -85.21526



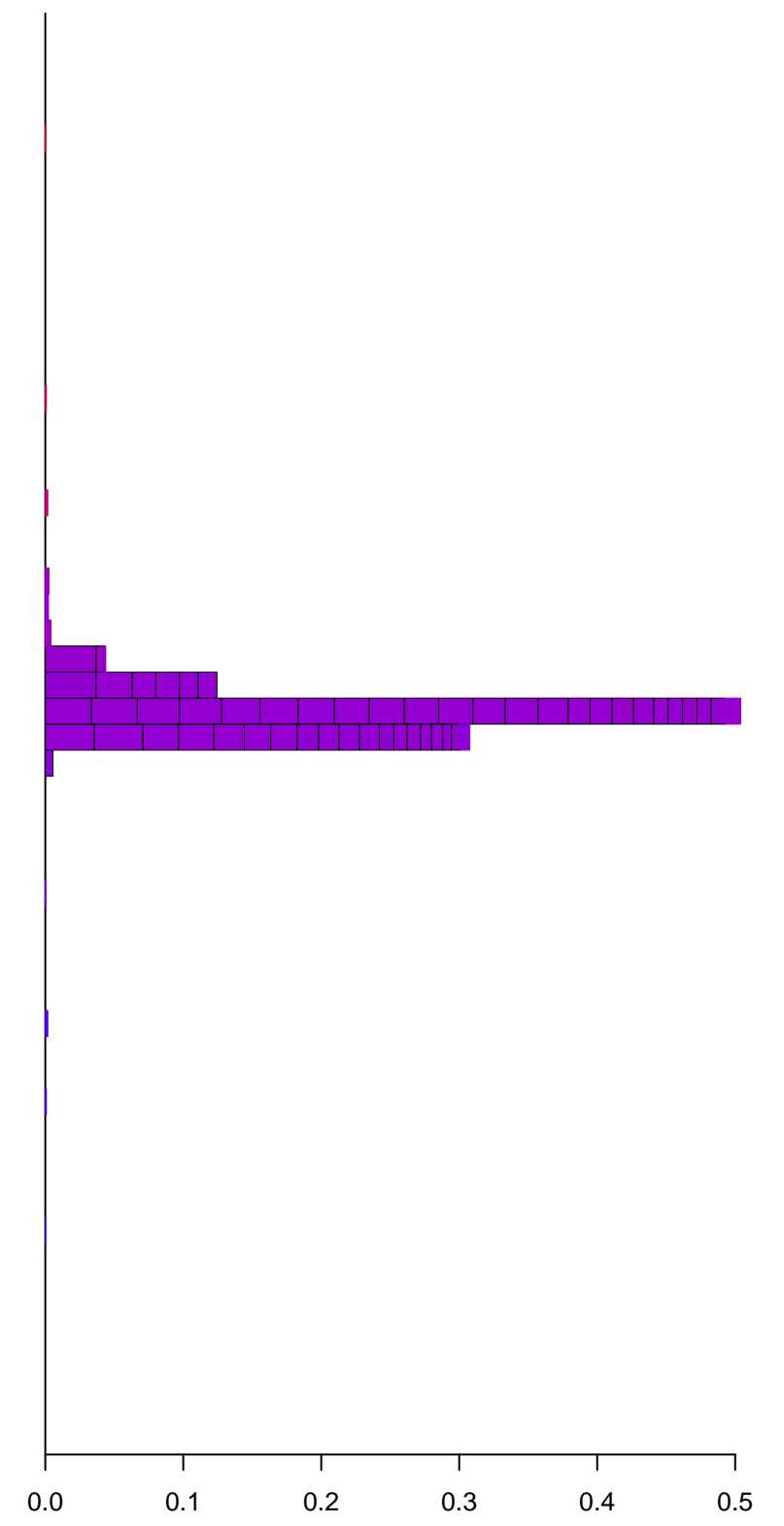
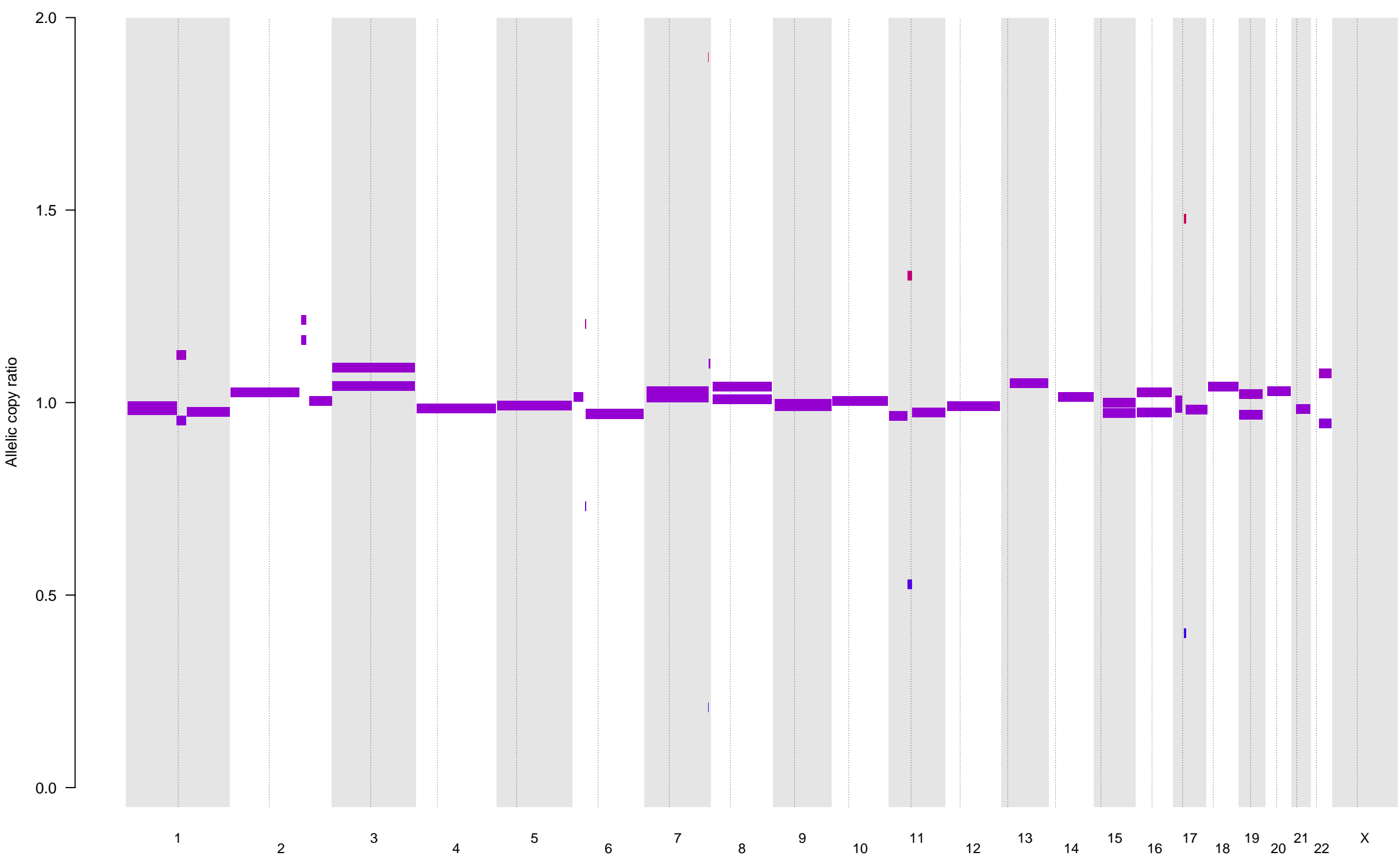
Sample 32



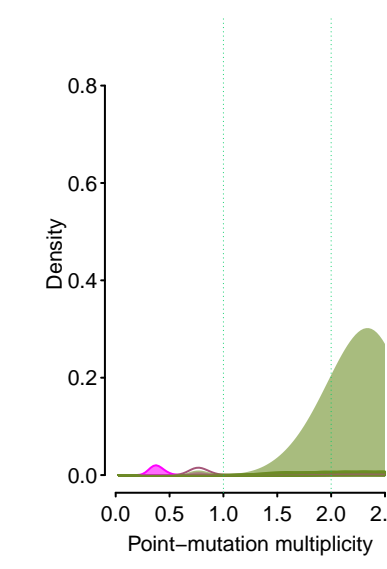
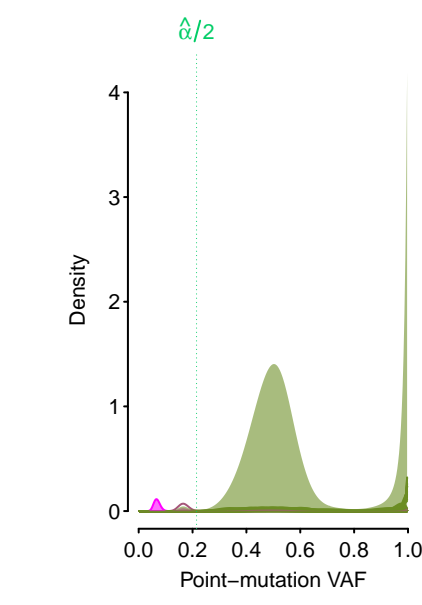
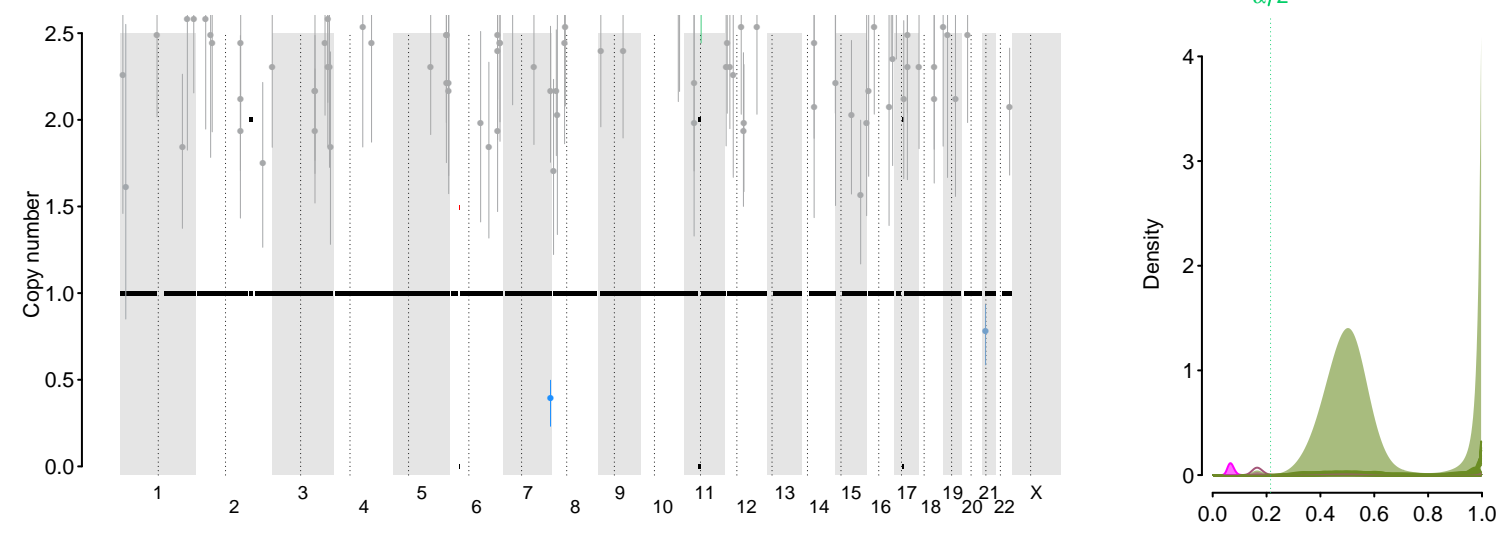
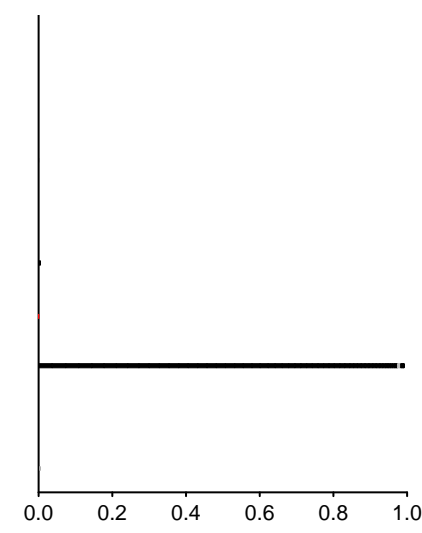
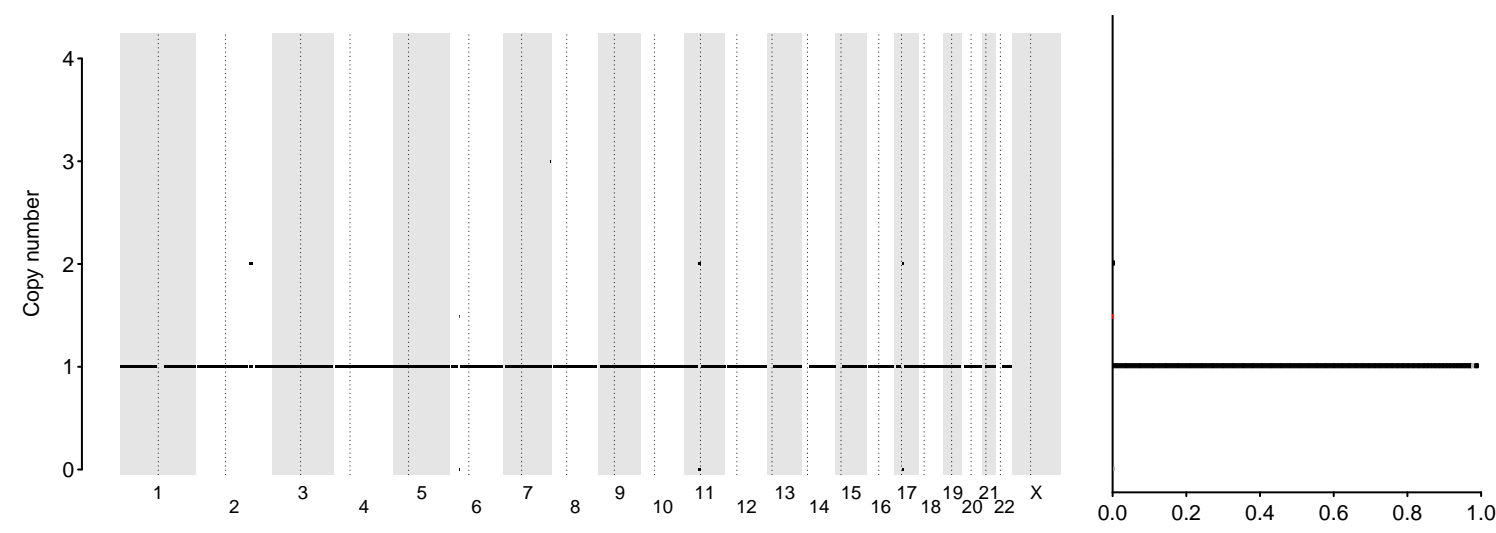
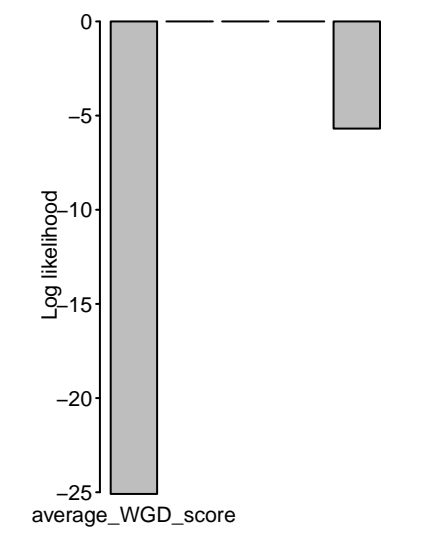
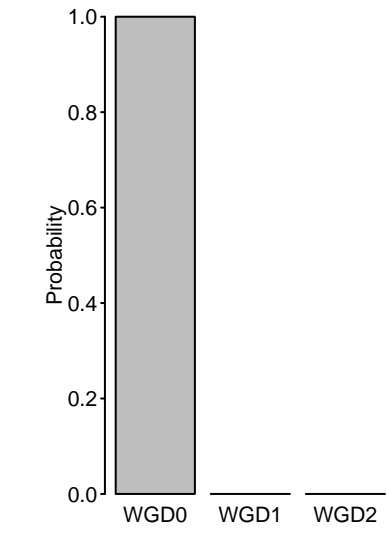
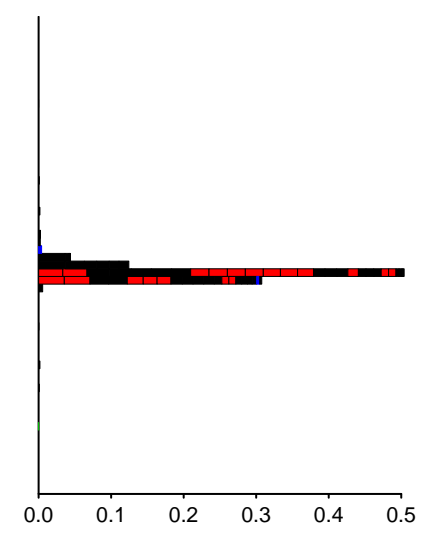
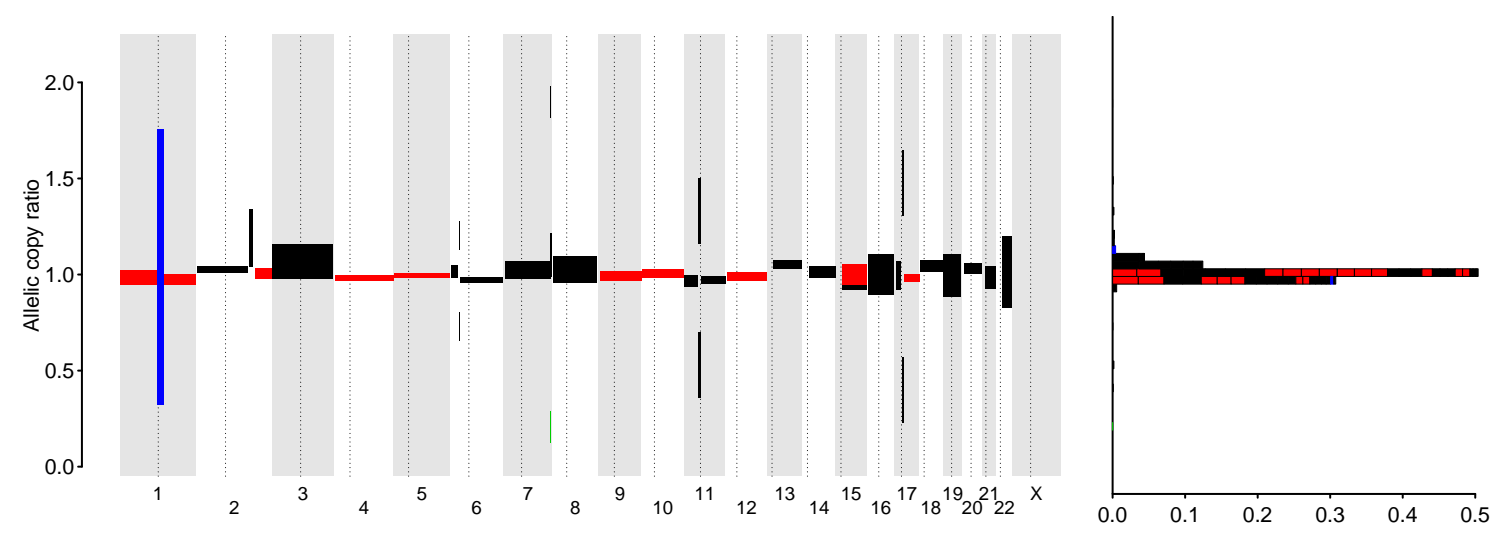
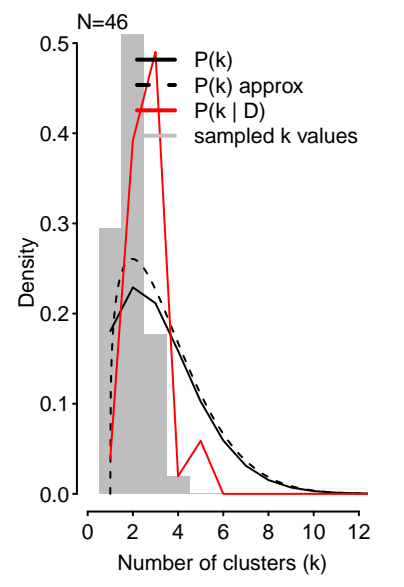
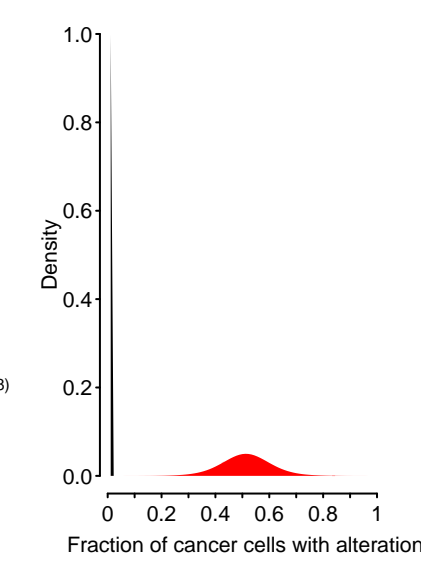
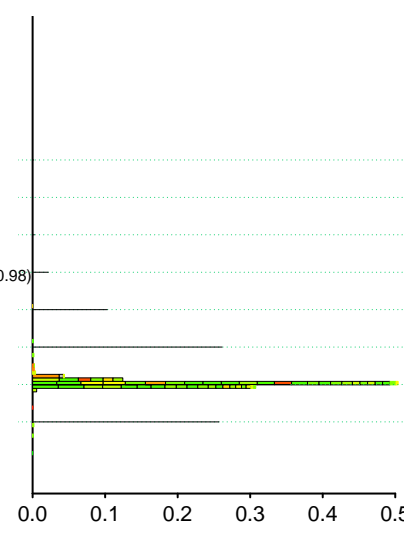
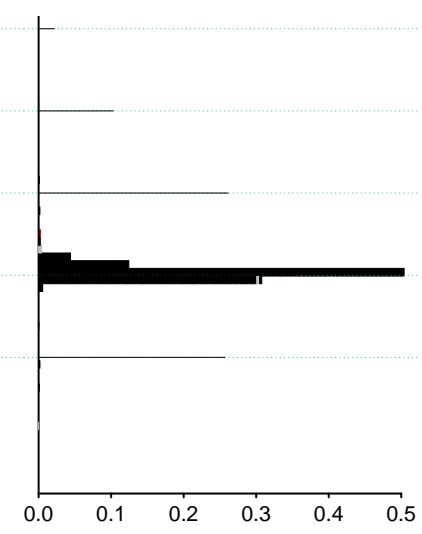
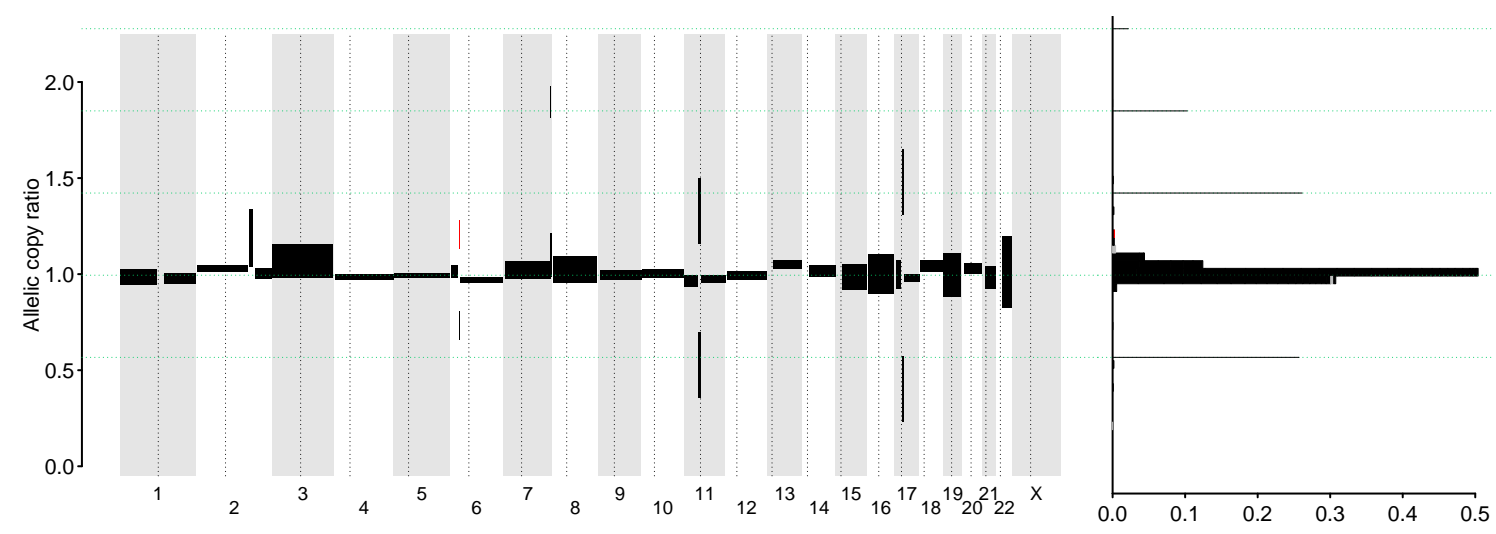
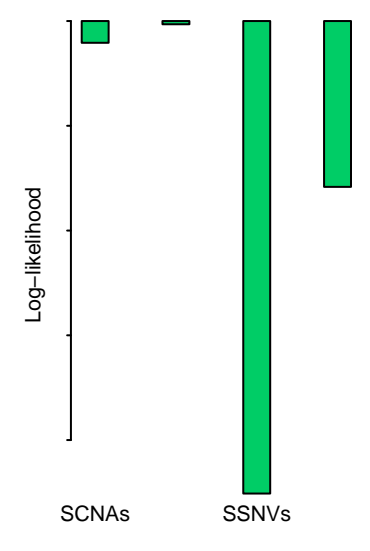
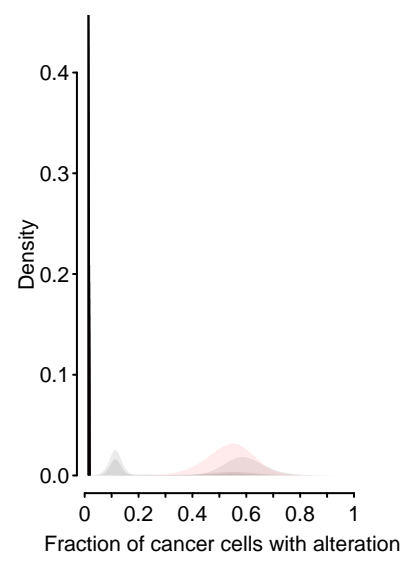
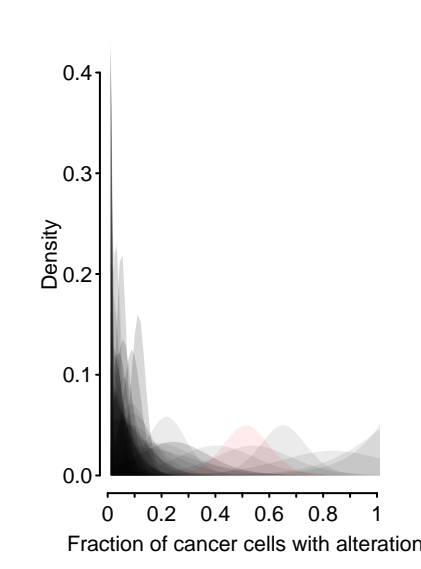
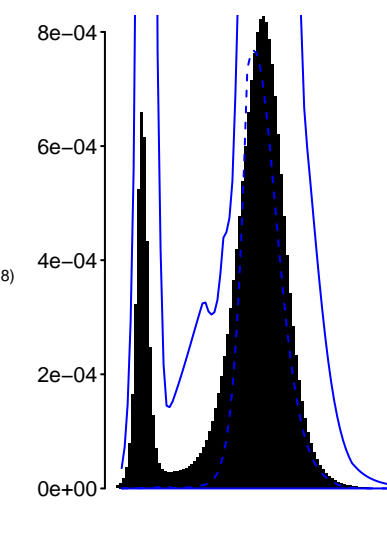
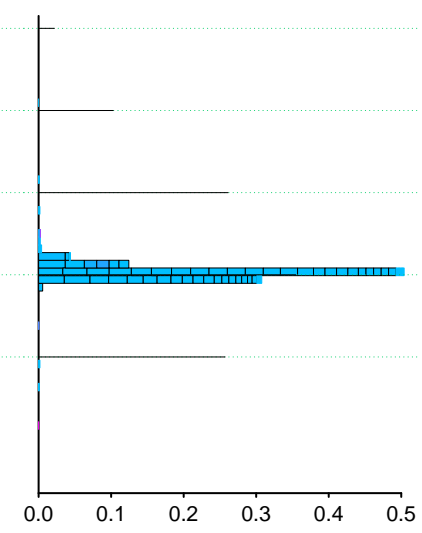
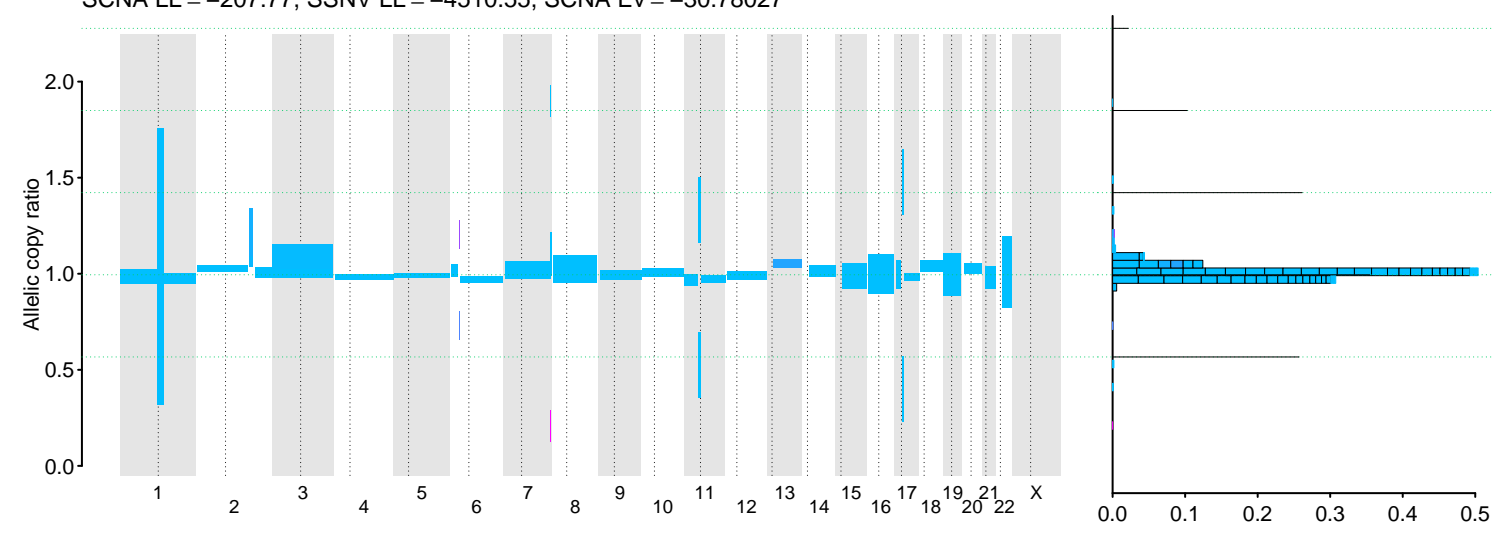
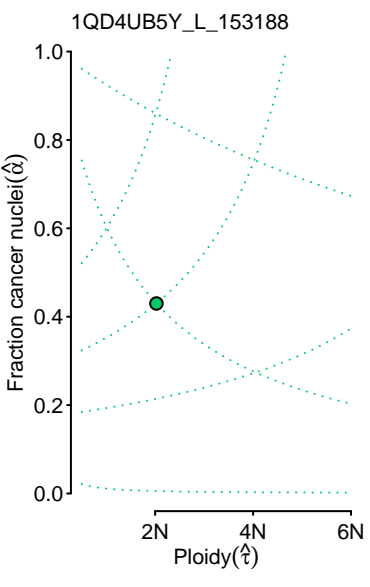
purity($\hat{\alpha}$) = 0.19, ploidy: $\hat{t} = 2.22$, $\hat{t}_g = 2.01$
 $\theta_z = 0$, $\theta_0 = 1.473$, WGD=0
 SCNA LL = -211.63, SSNV LL = -6168.01, SCNA Ev = -29.60161



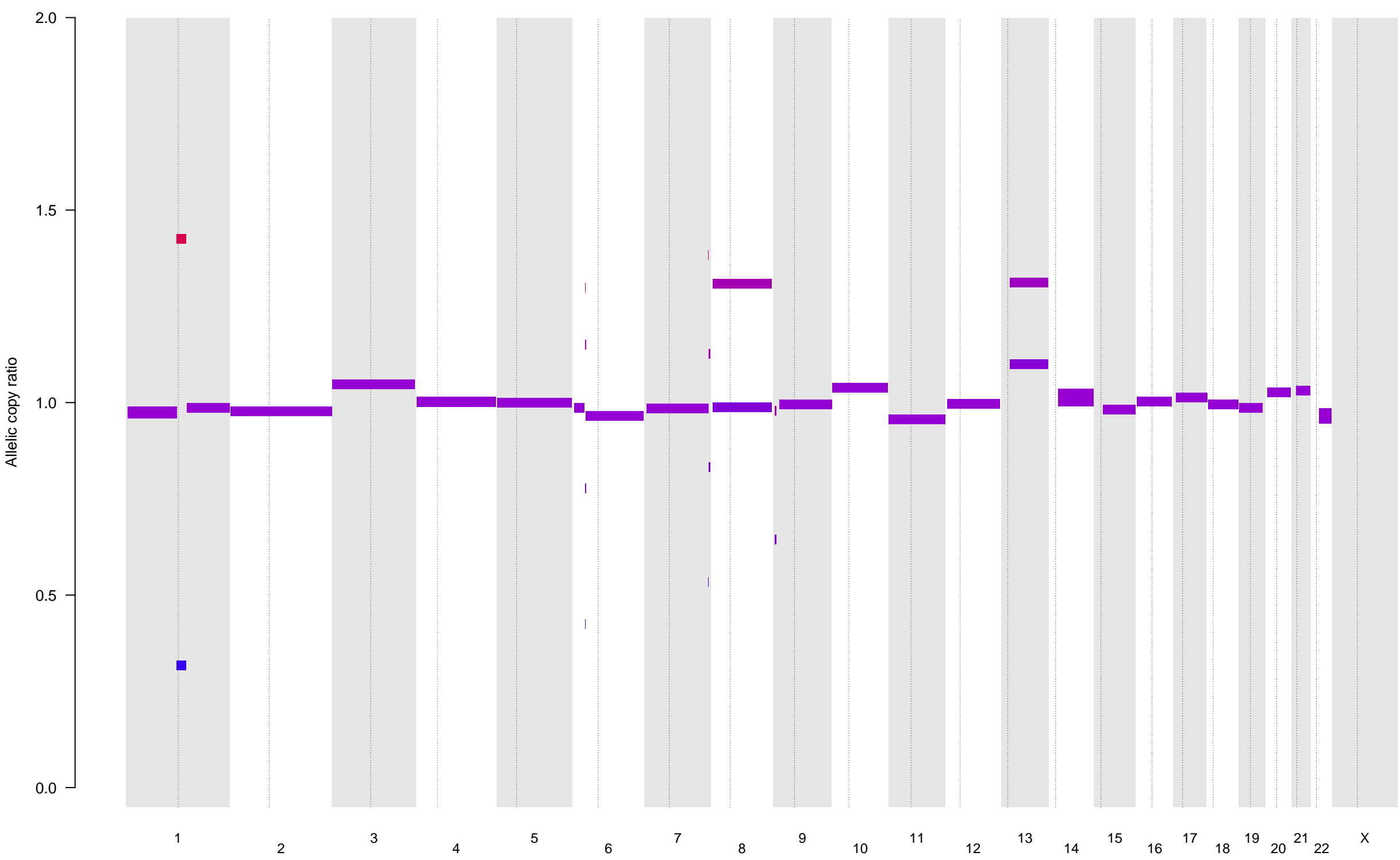
Sample 33

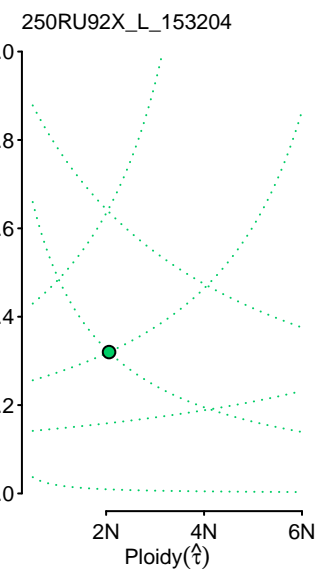


$\hat{p}_x = 0.43$, ploidy: $\hat{t} = 2.03$, $\hat{t}_g = 2$
 $\theta_z = 0$, $\theta_0 = 1.263$, WGD=0
 SCNA LL = -207.77, SSNV LL = -4510.55, SCNA Ev = -30.78027

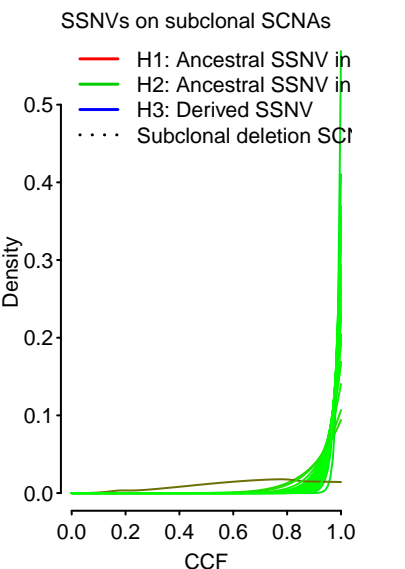
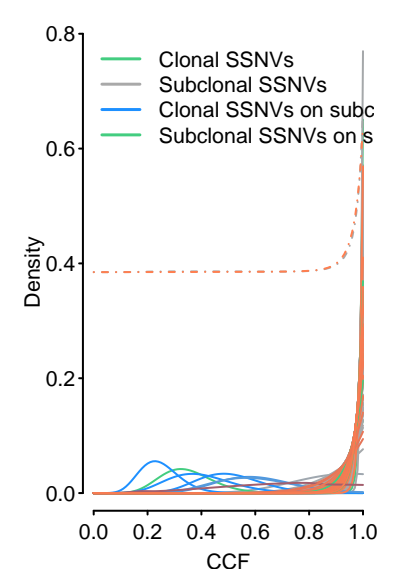
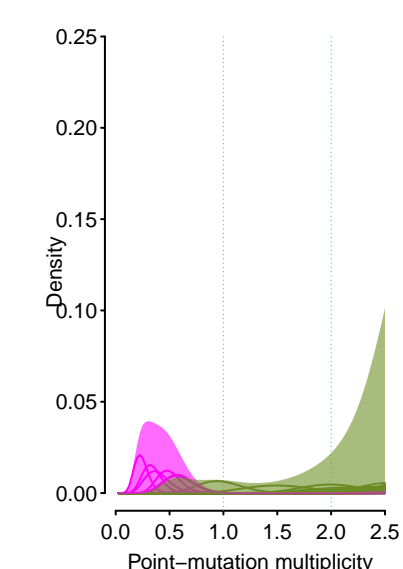
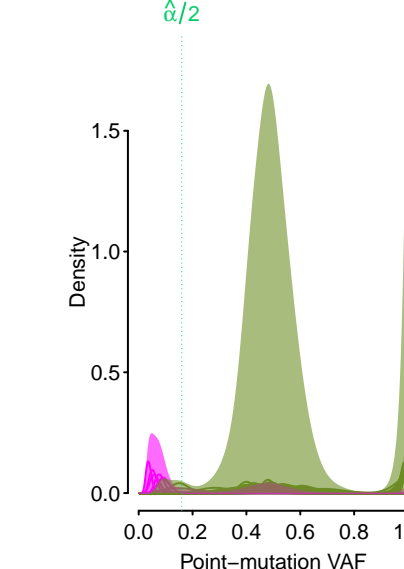
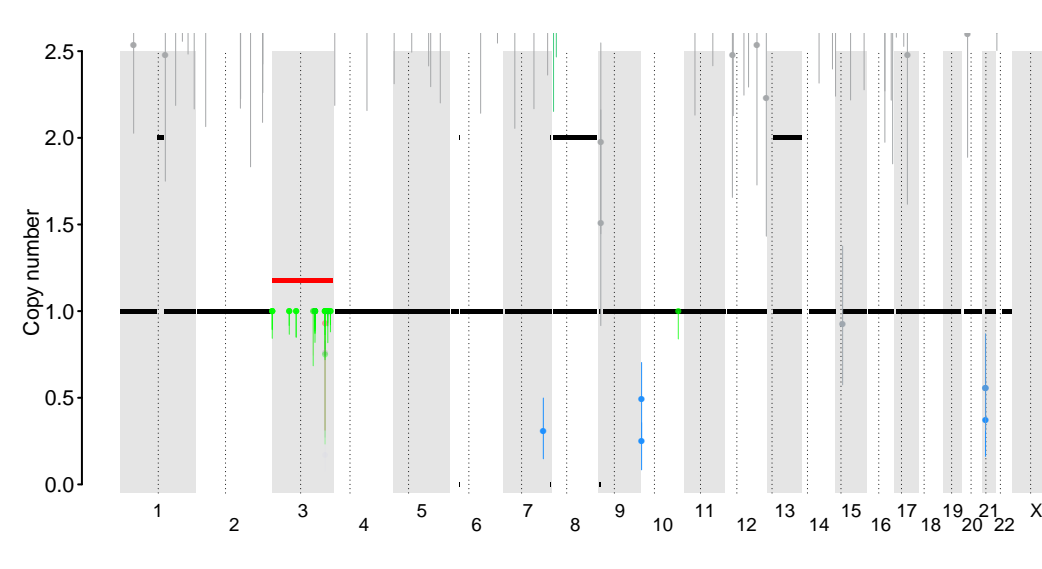
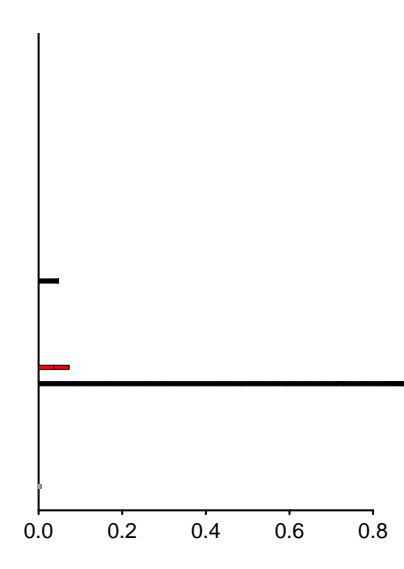
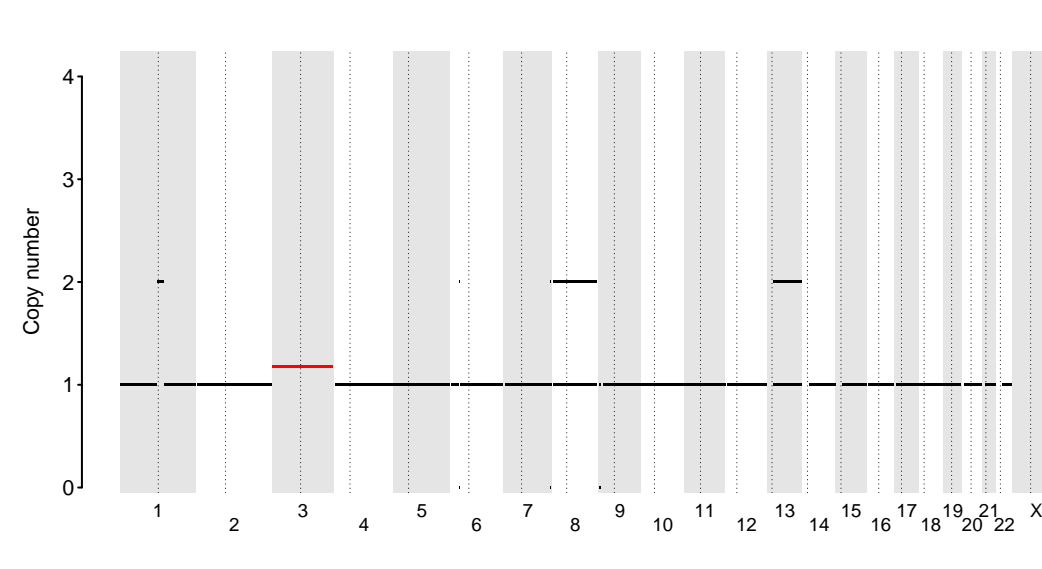
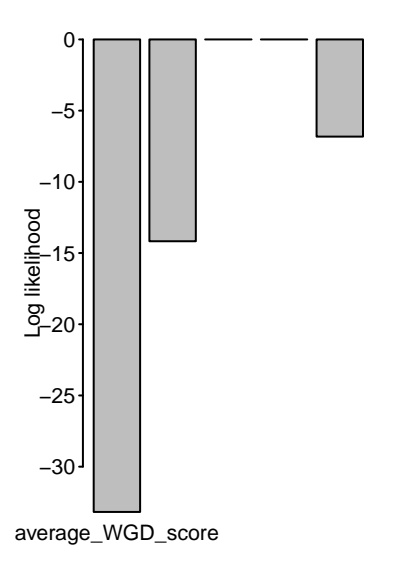
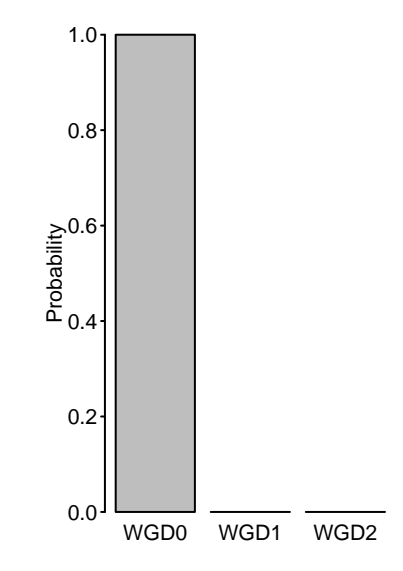
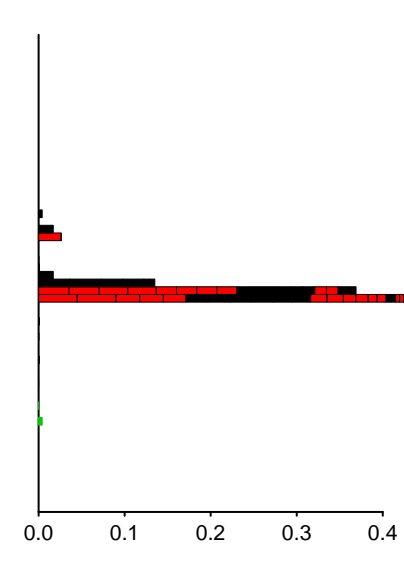
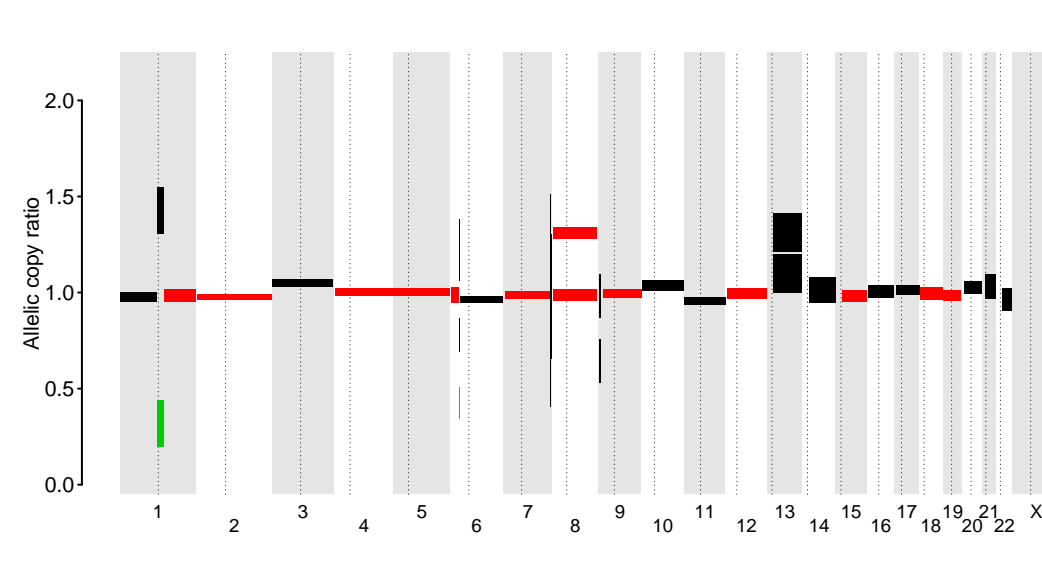
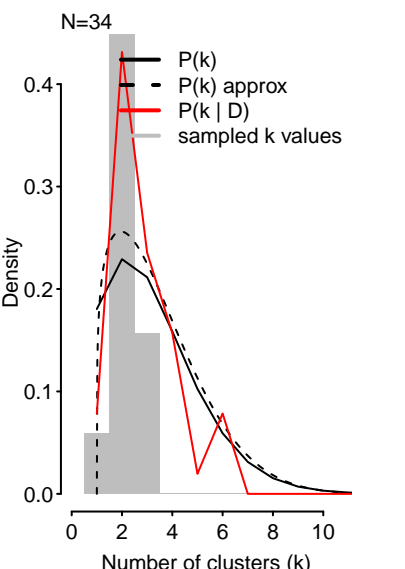
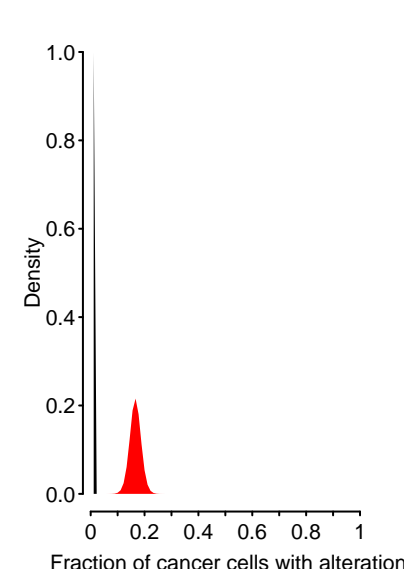
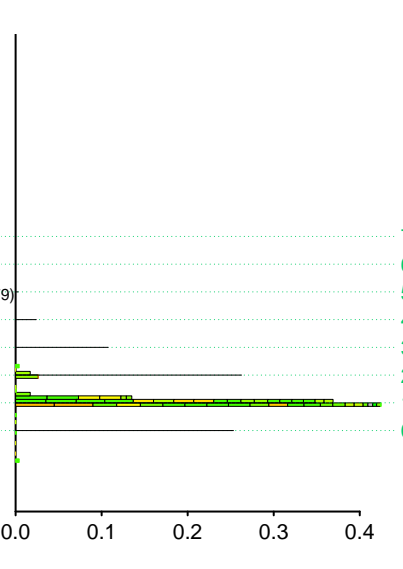
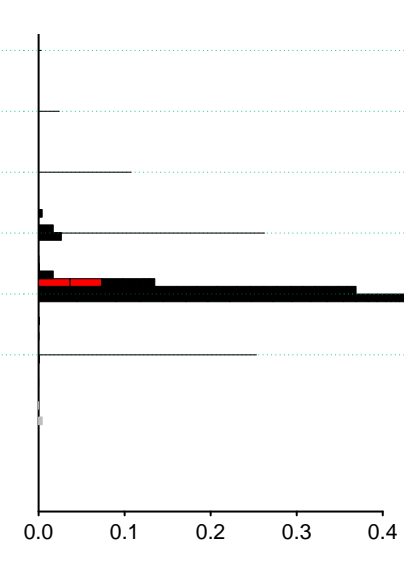
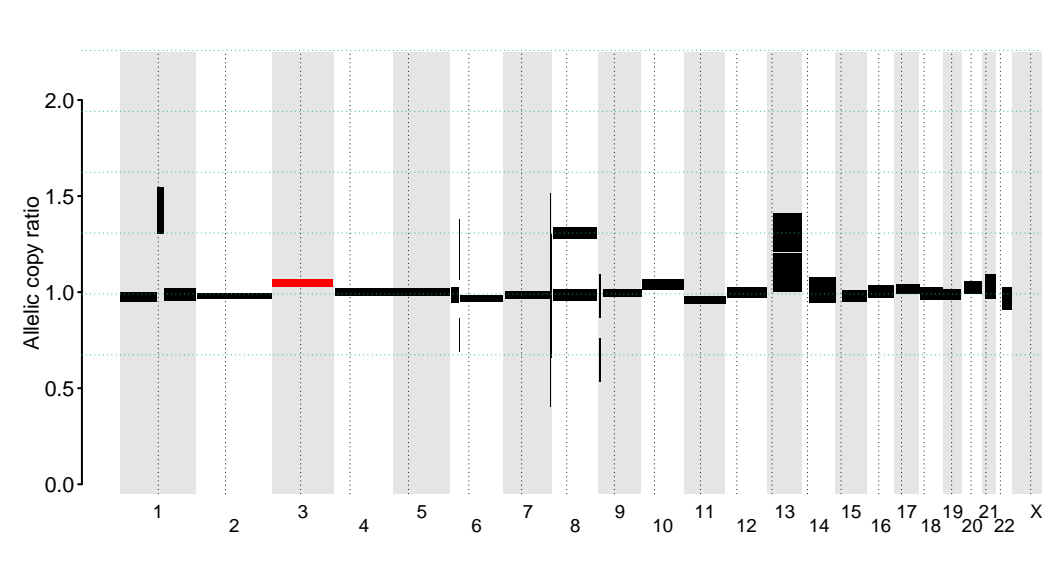
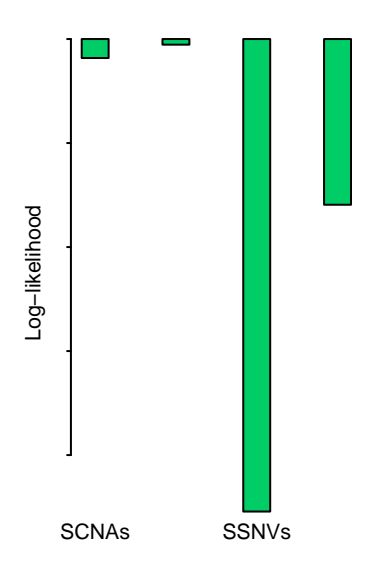
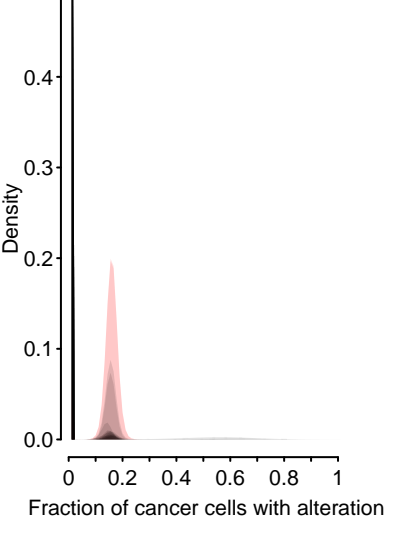
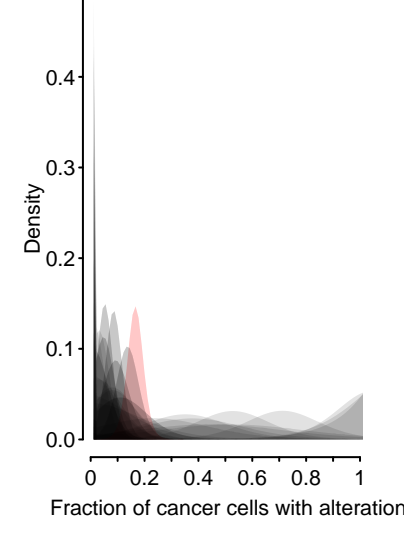
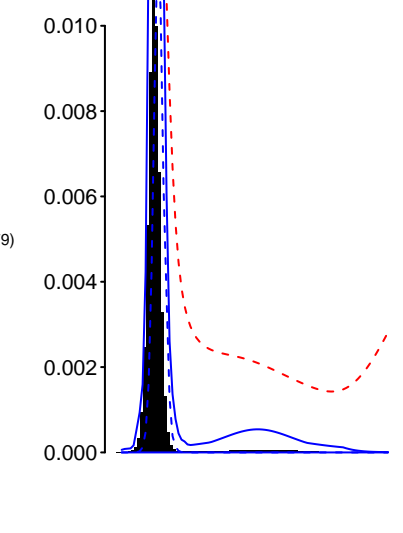
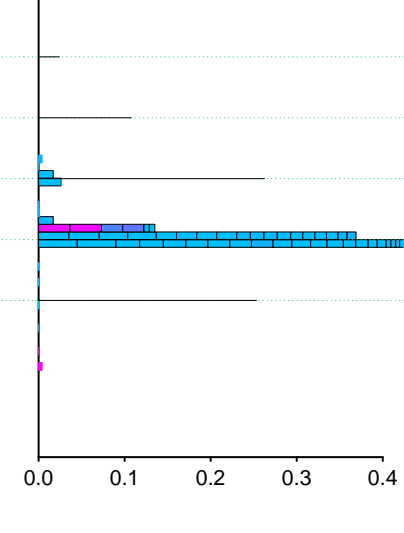
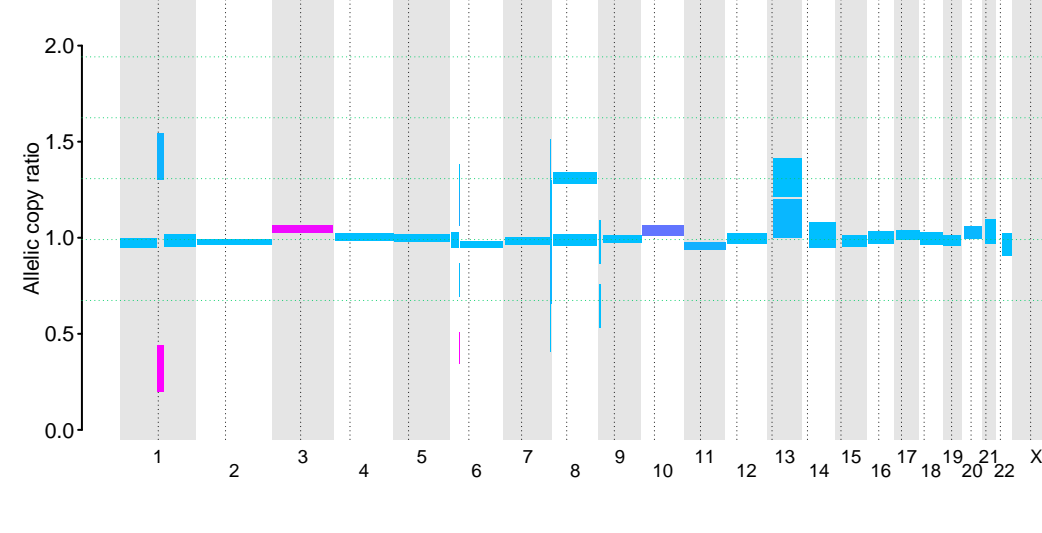


Sample 34

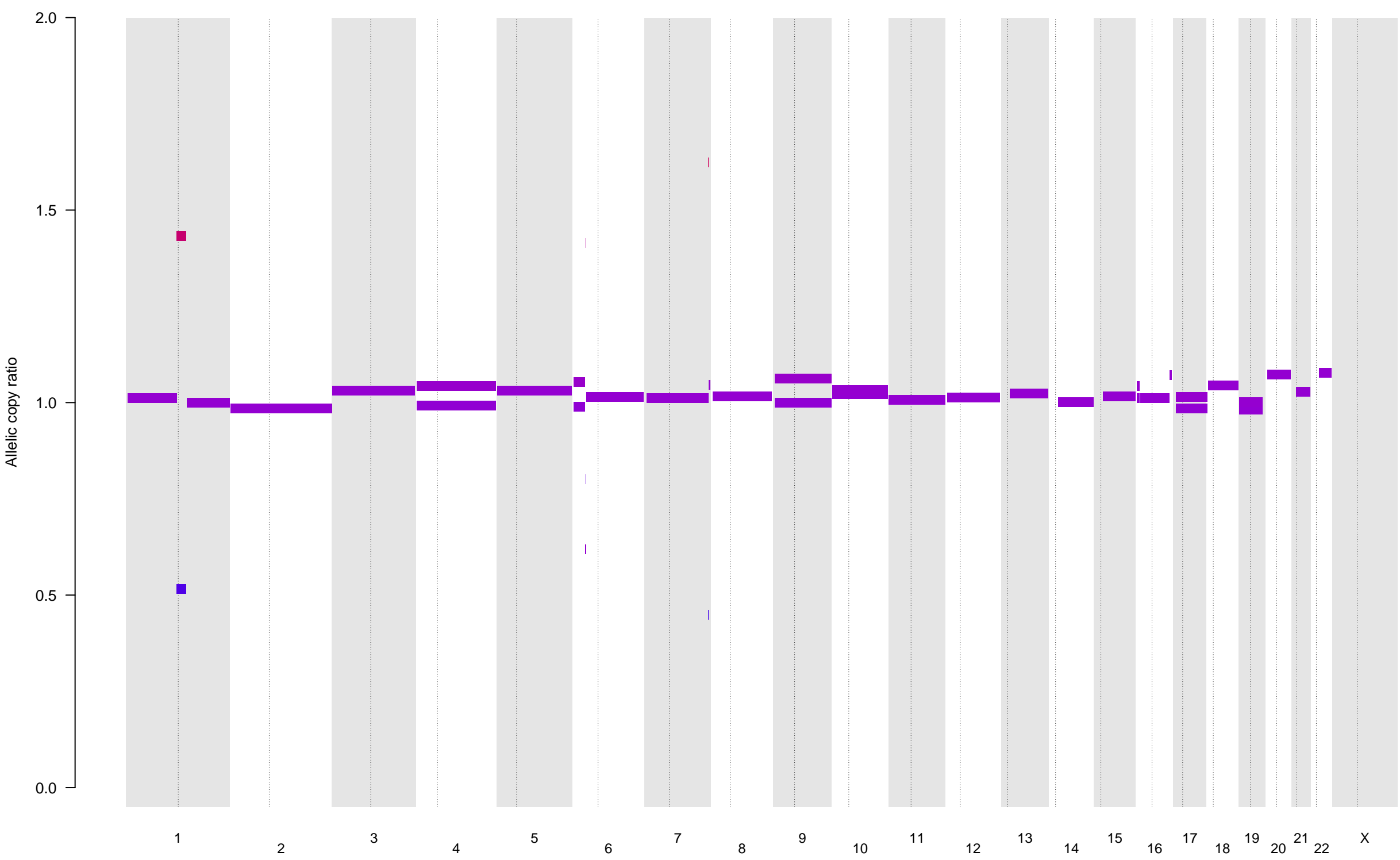




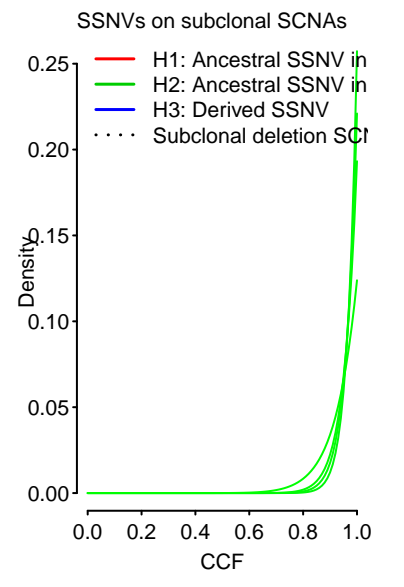
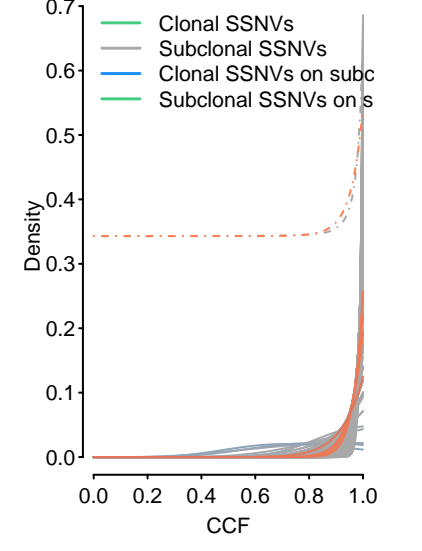
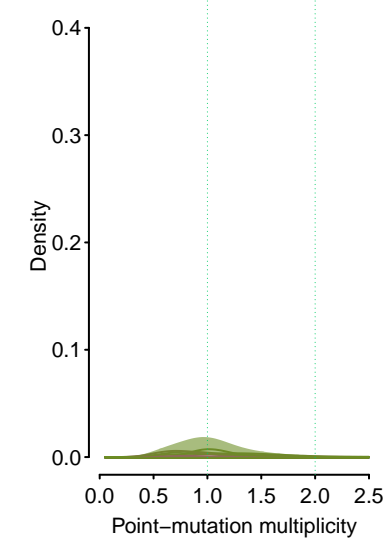
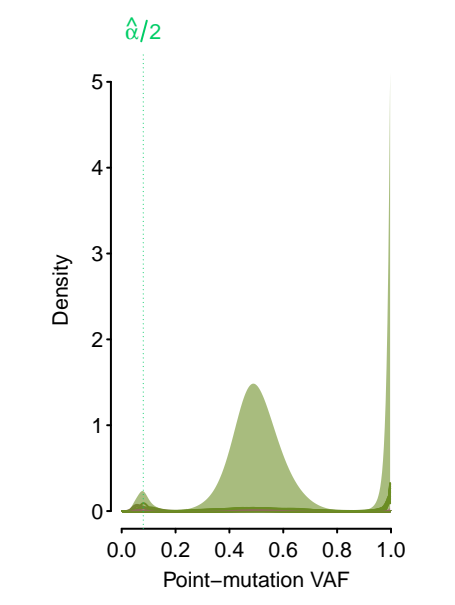
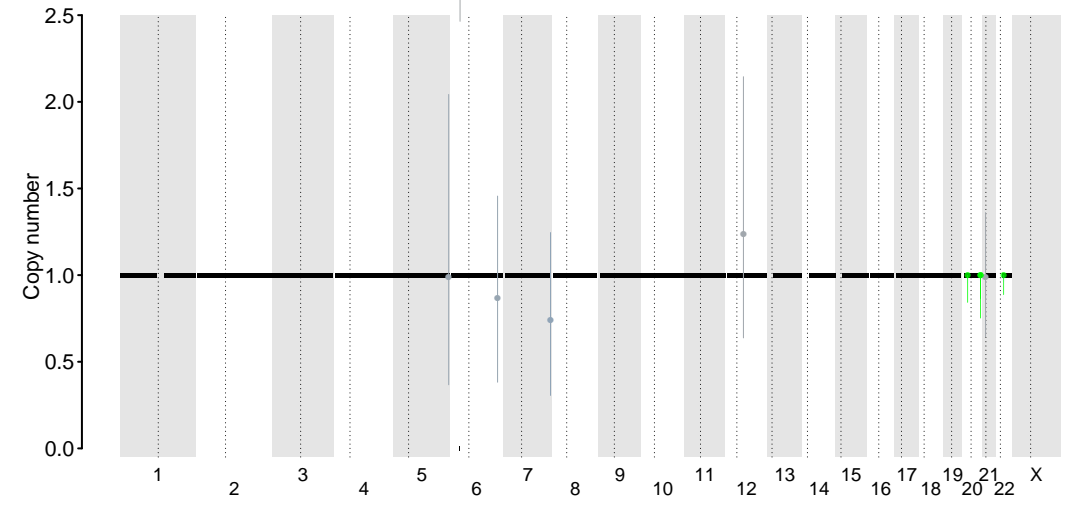
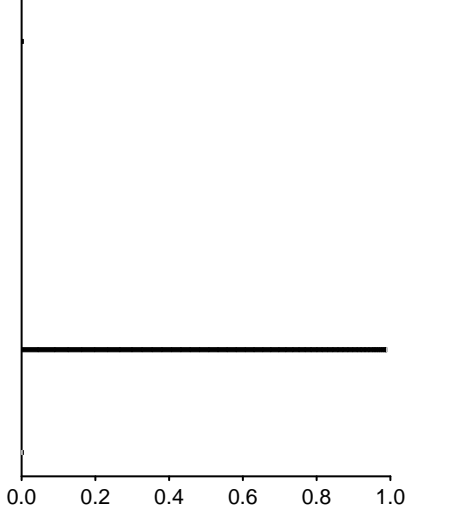
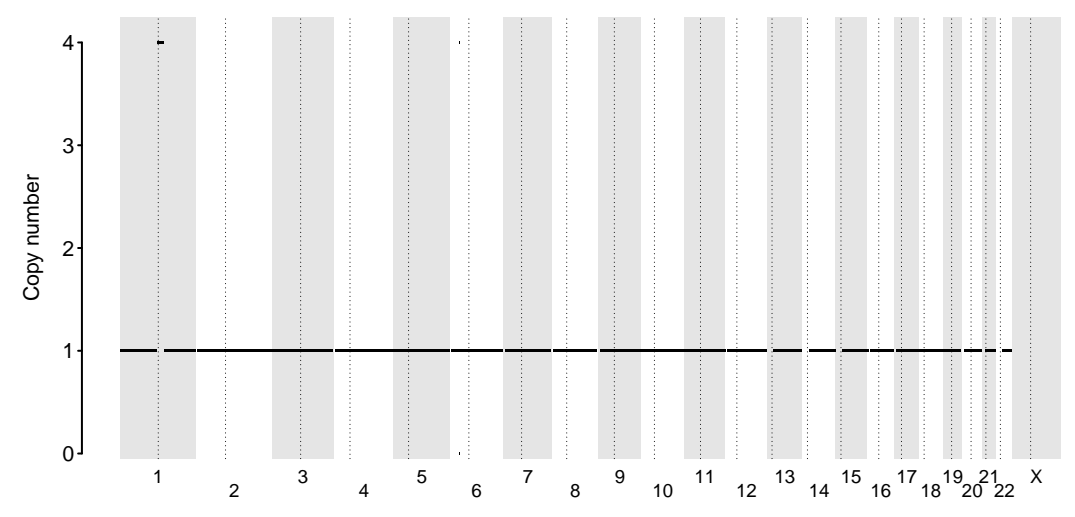
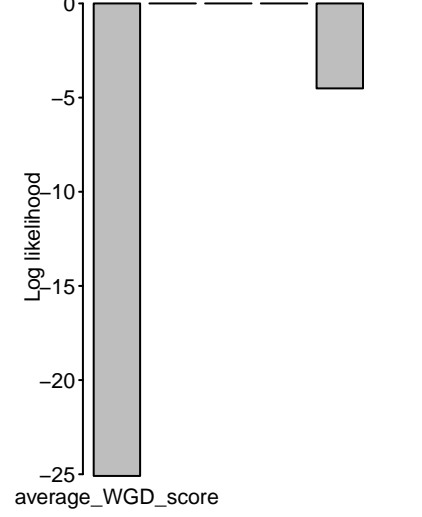
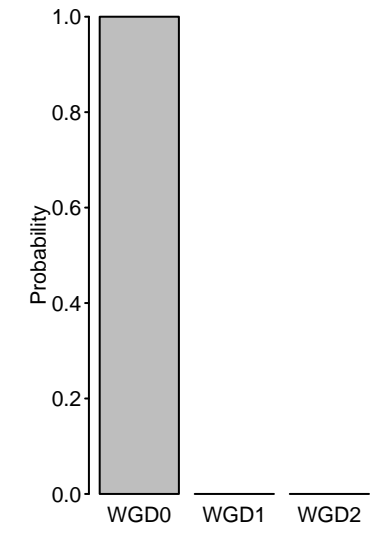
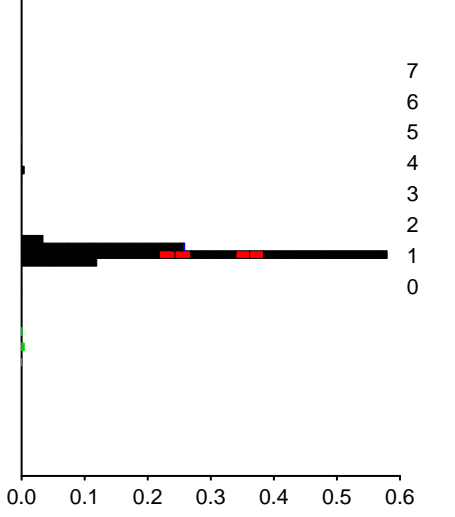
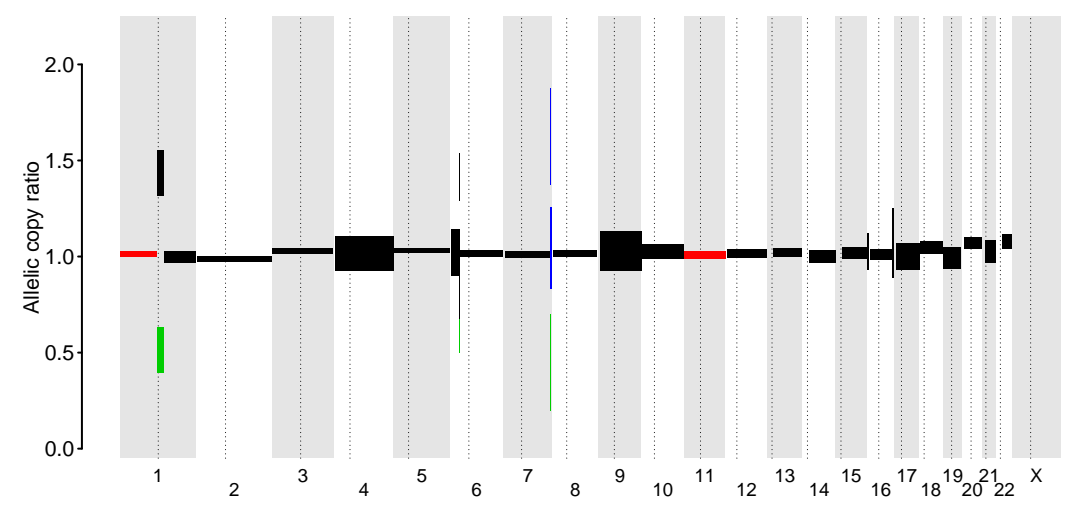
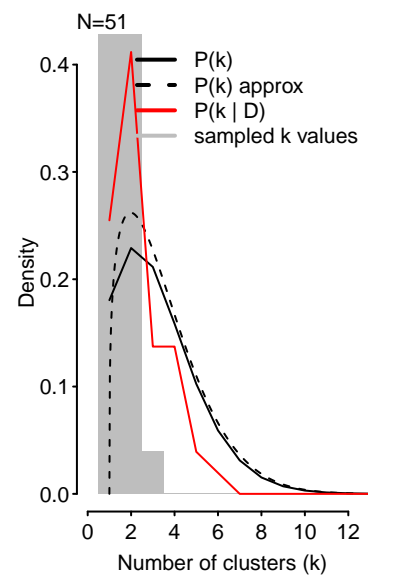
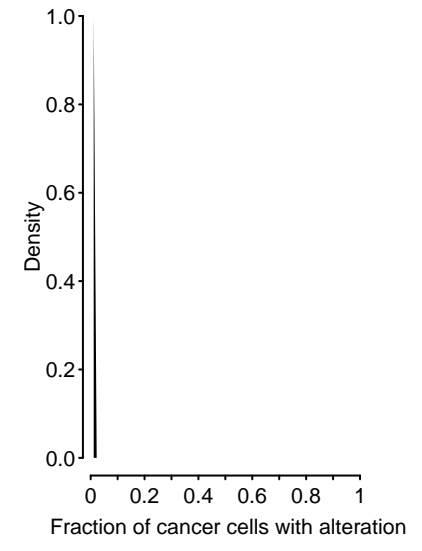
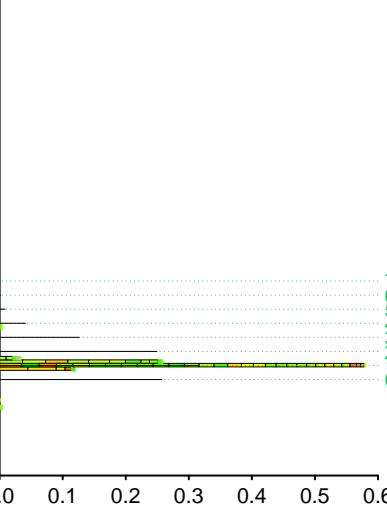
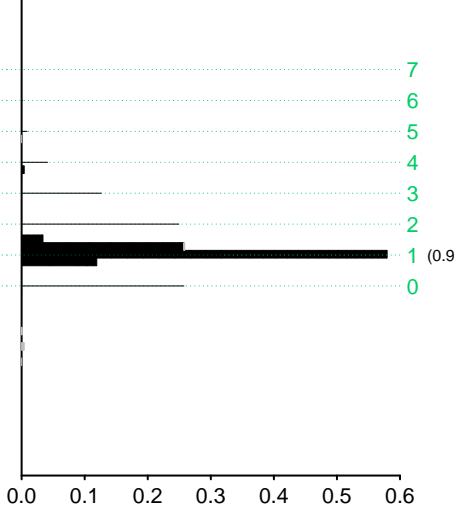
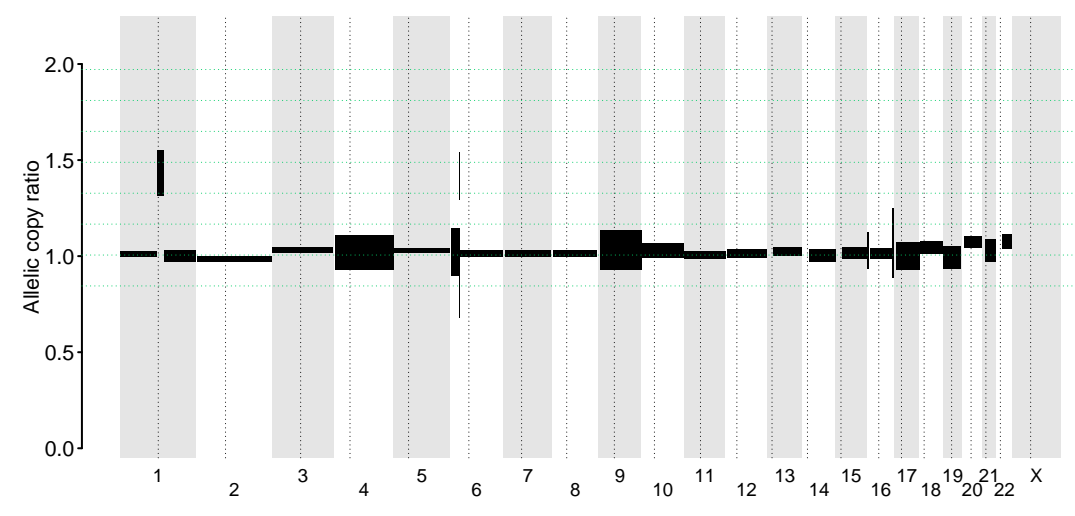
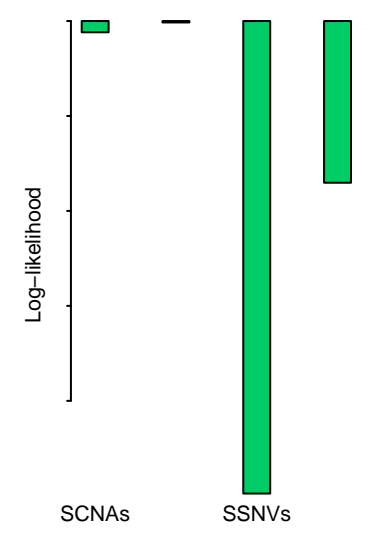
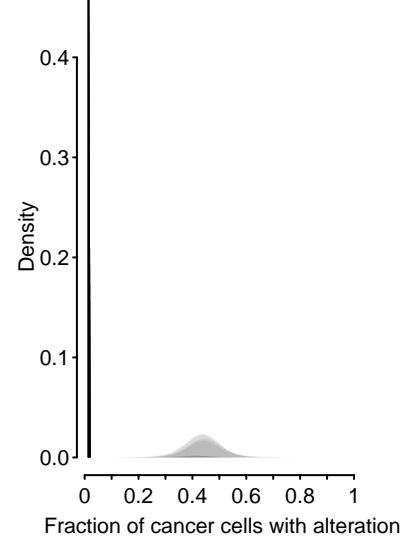
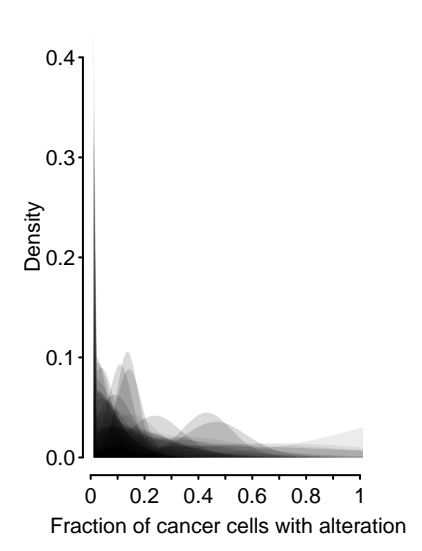
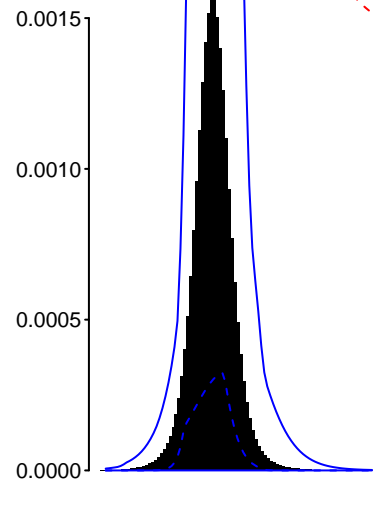
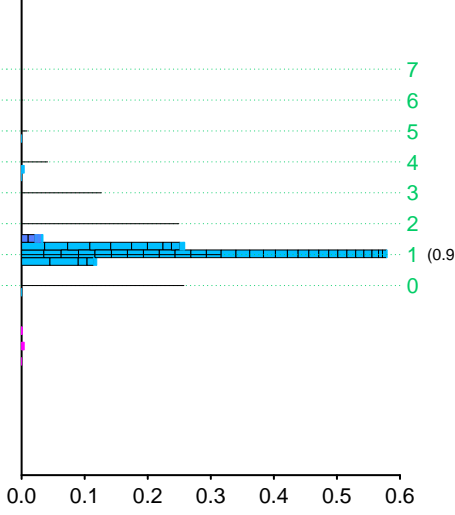
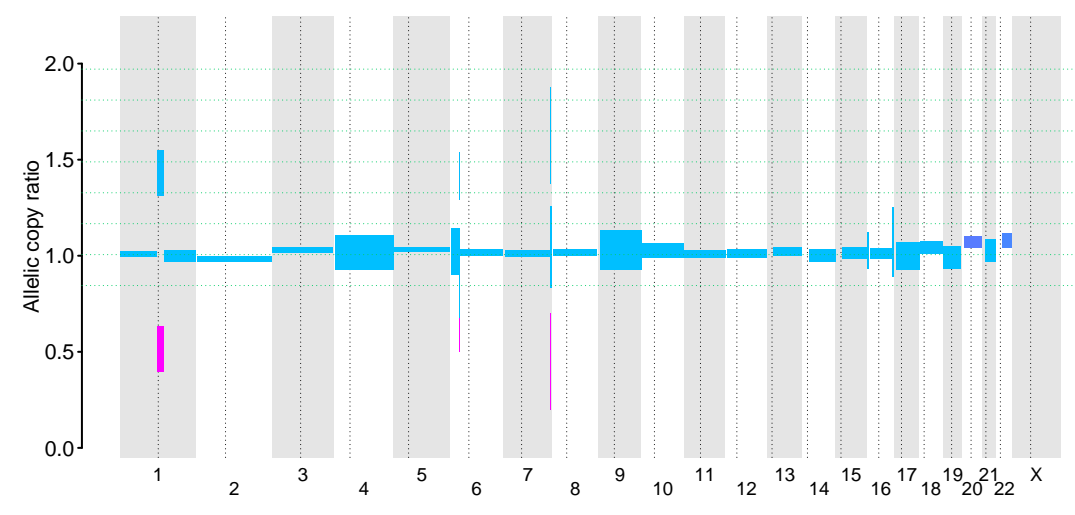
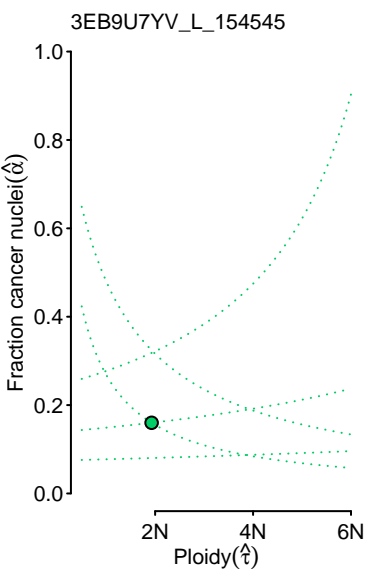
purity($\hat{\lambda}$) = 0.32, ploidy: $\hat{h} = 2.06$, $\hat{h}_g = 2.09$
 $\theta_z = 0.09$, $\theta_Q = 1.284$, WGD=0
 SCNA LL = -182.54, SSNV LL = -4542.89, SCNA Ev = -54.17516



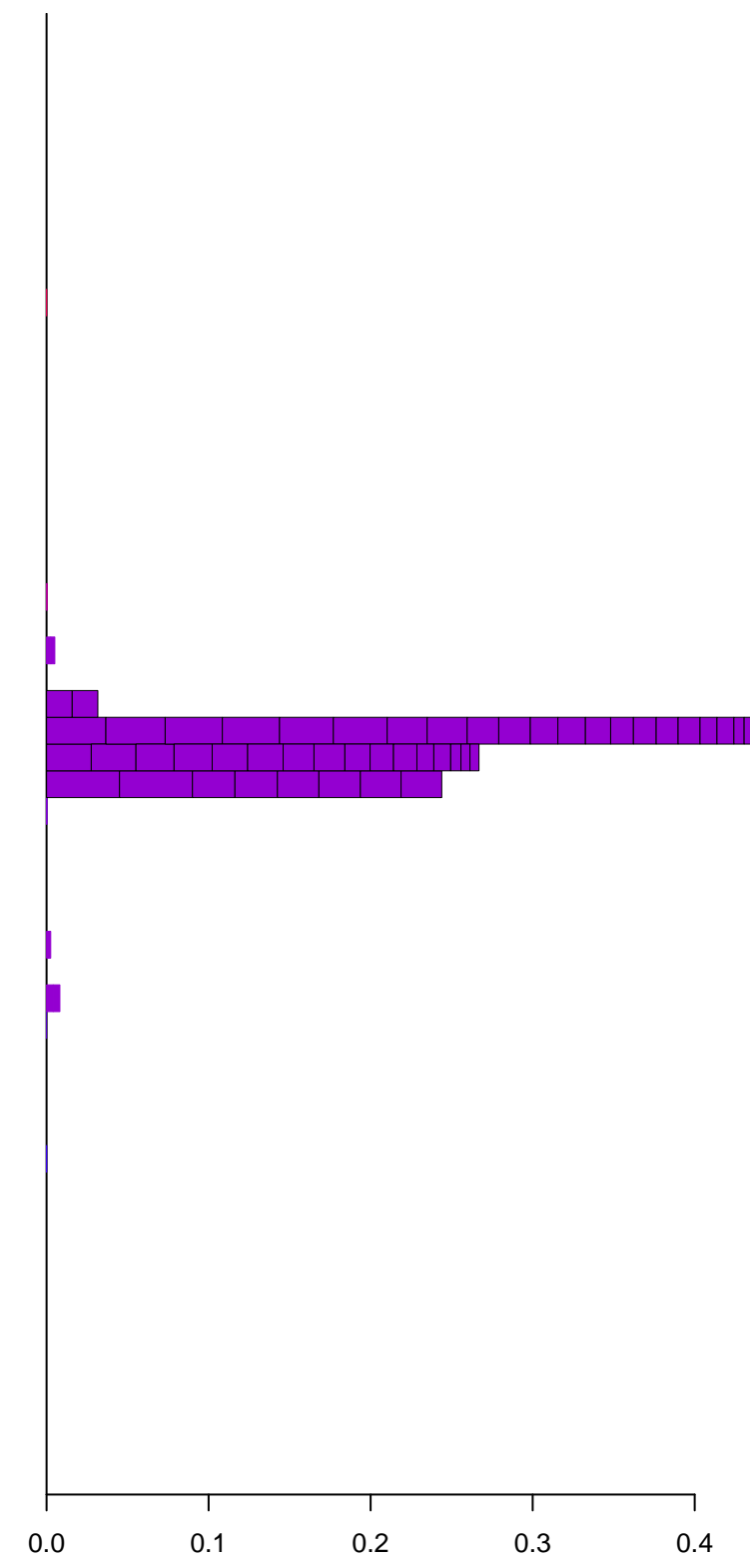
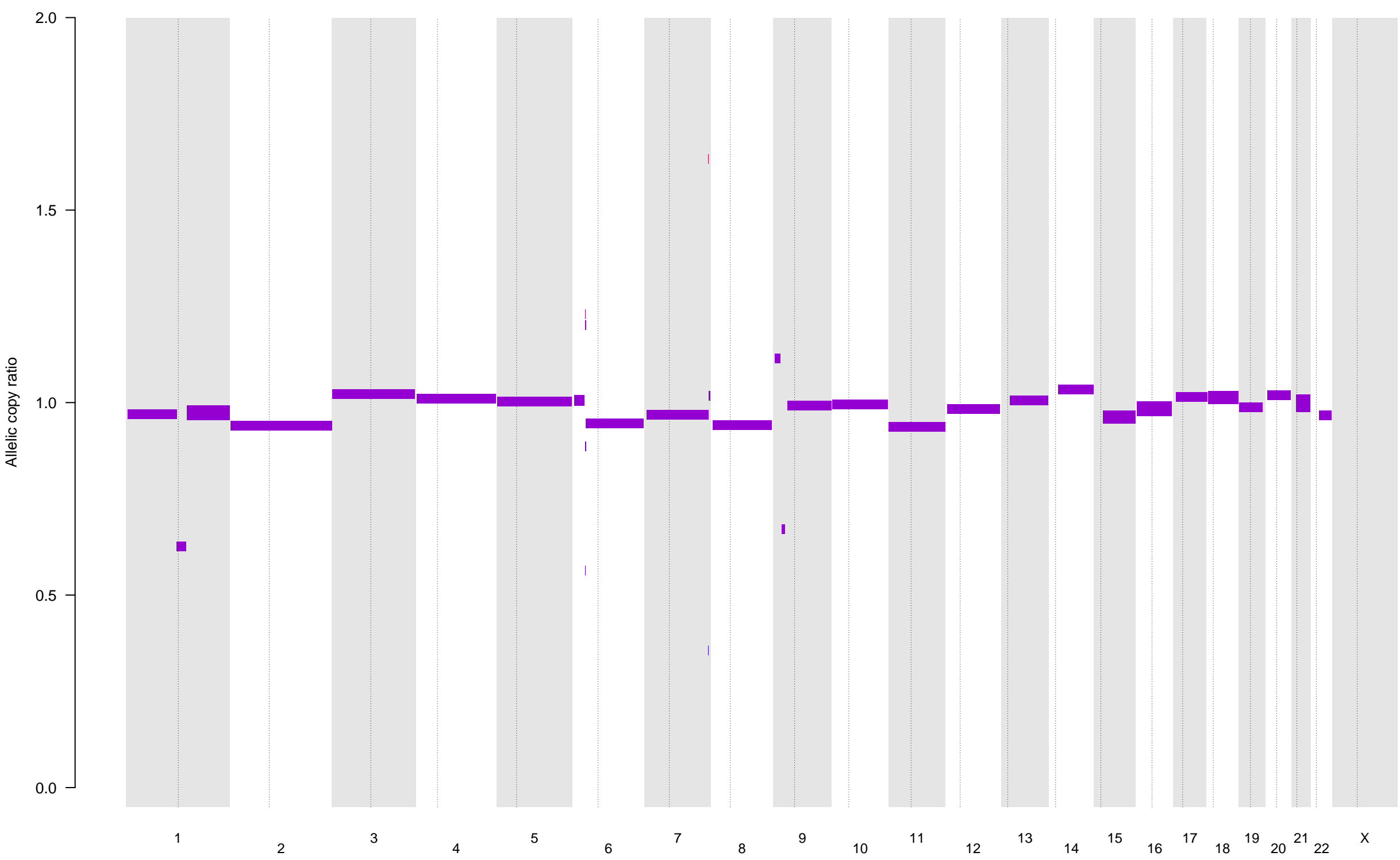
Sample 35



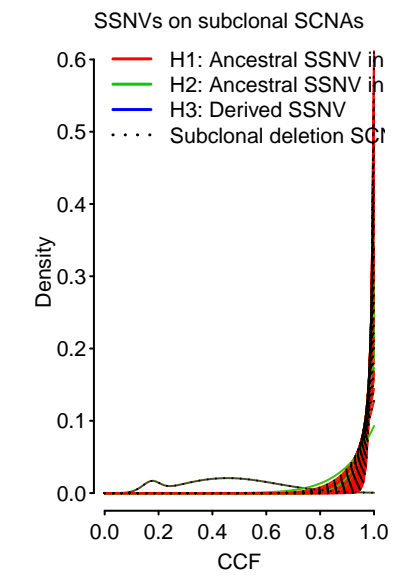
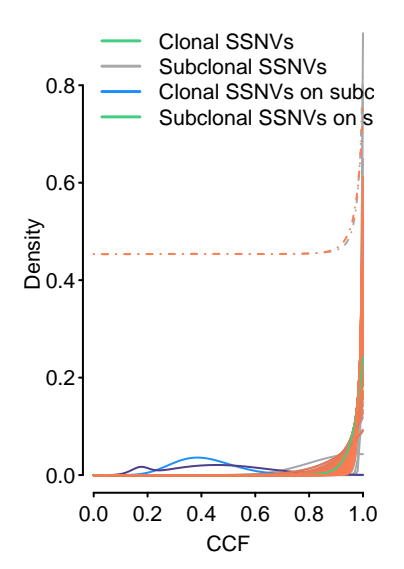
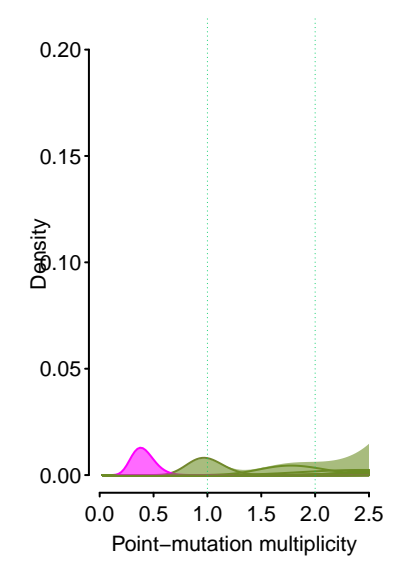
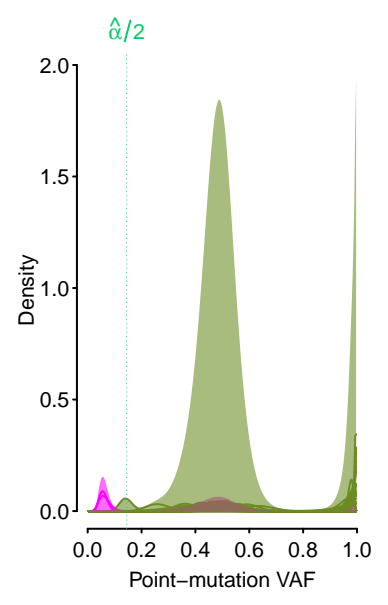
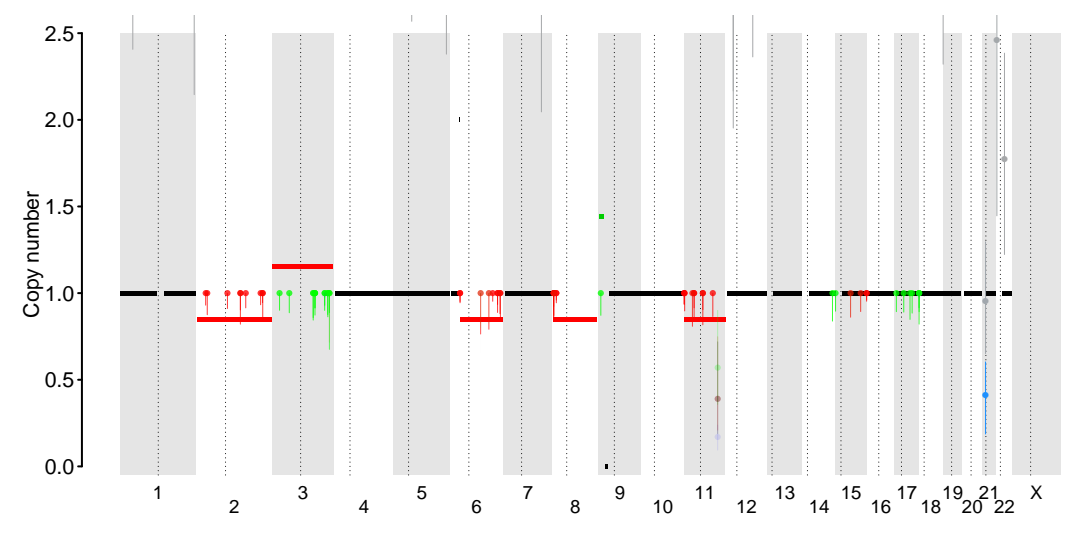
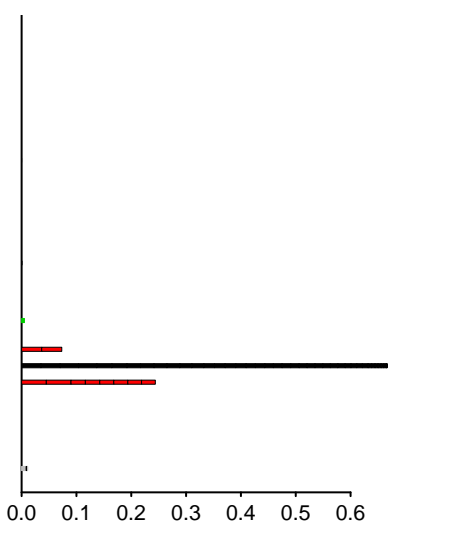
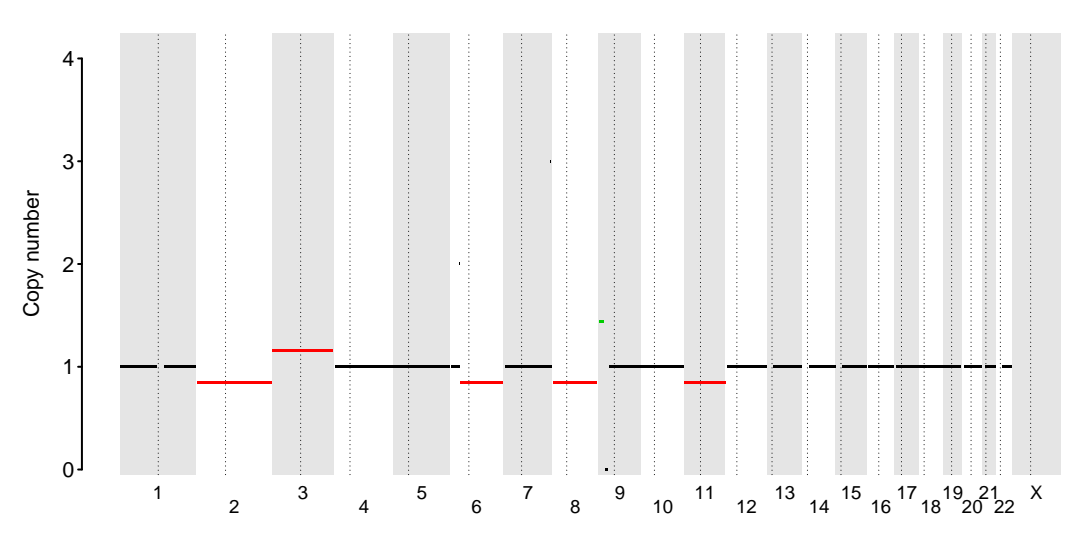
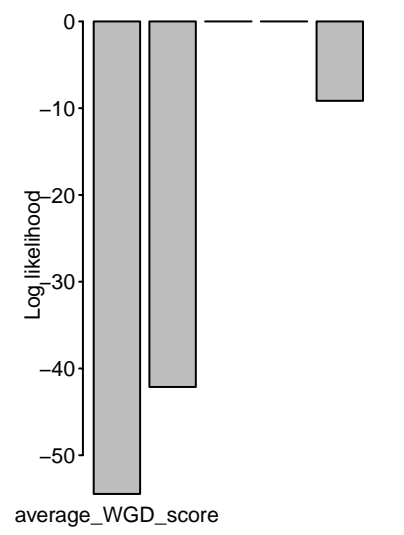
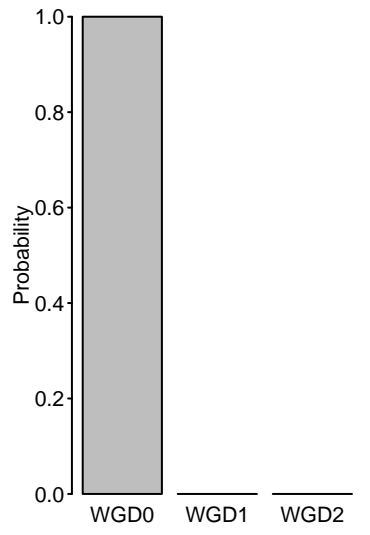
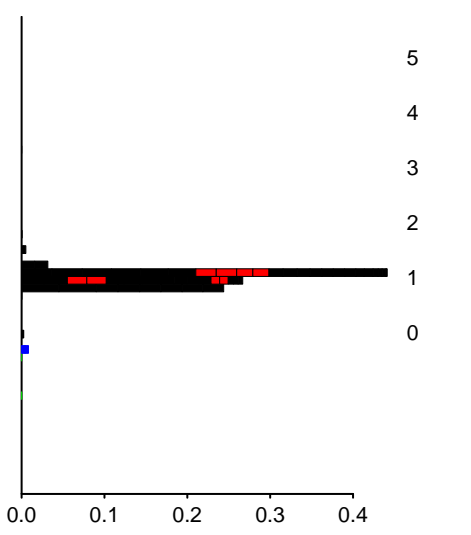
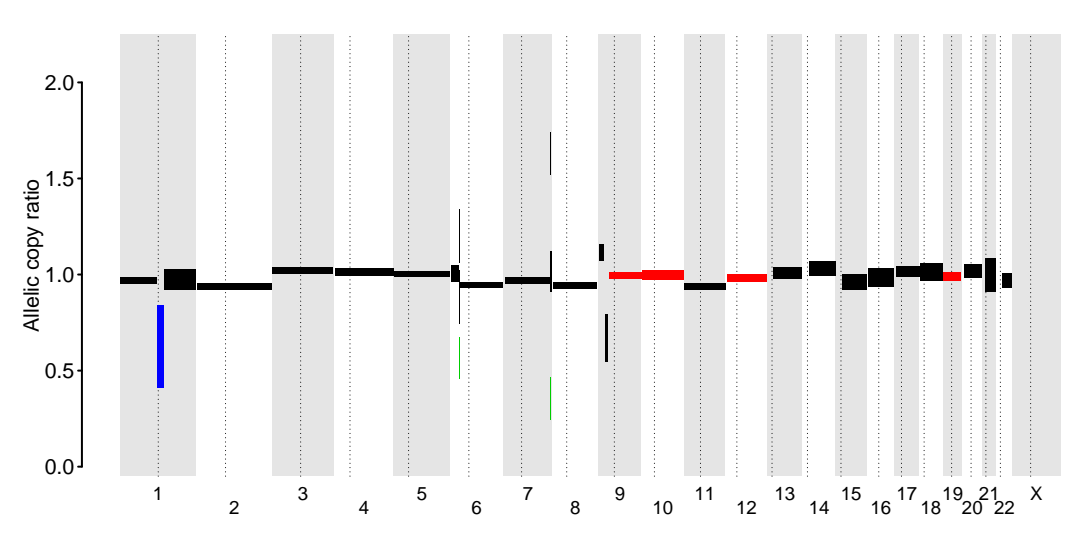
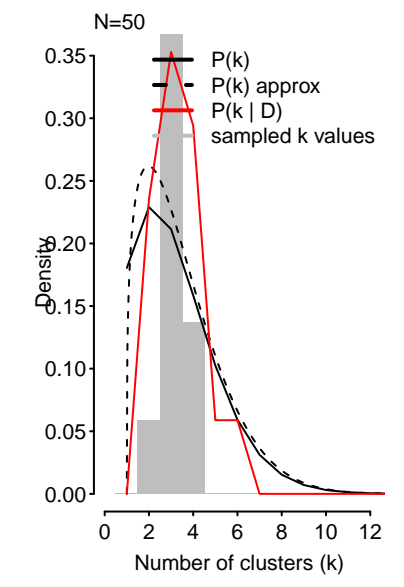
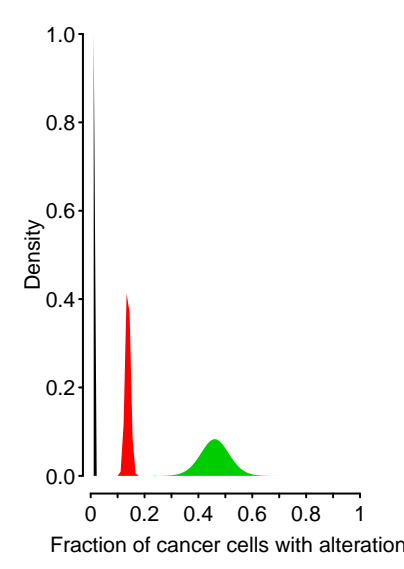
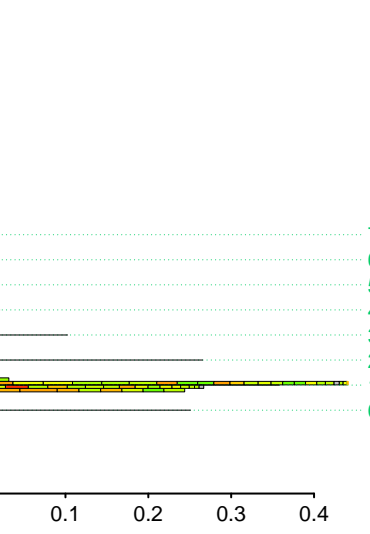
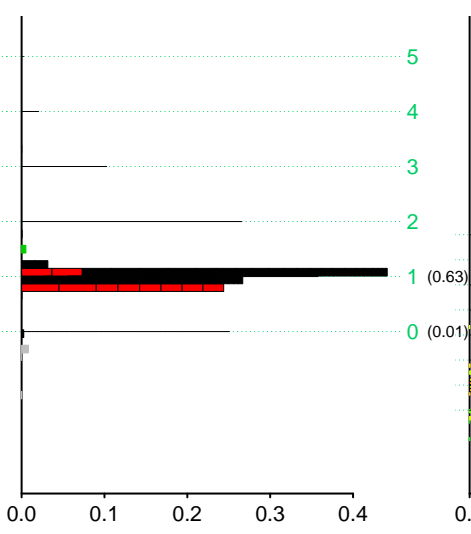
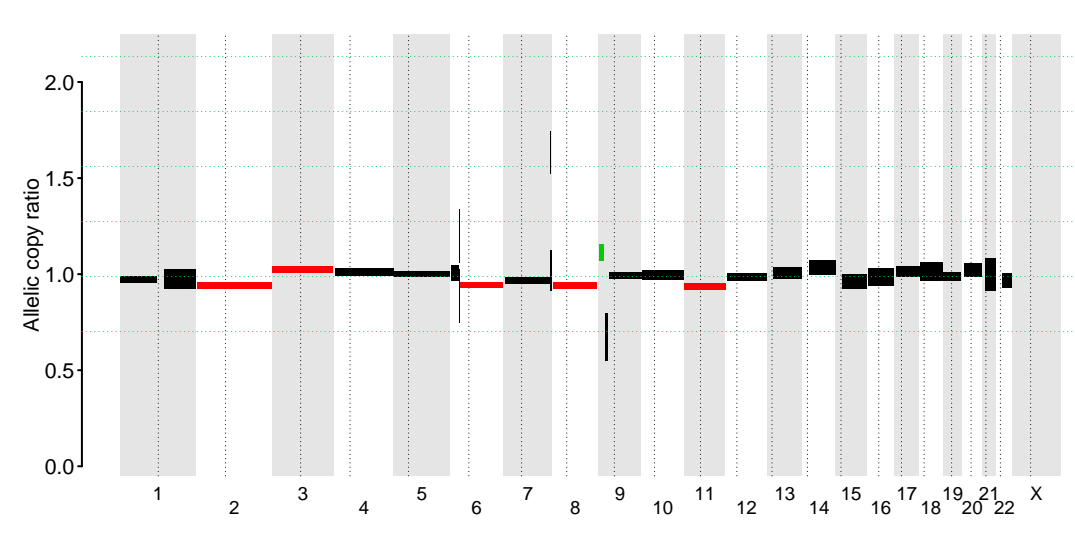
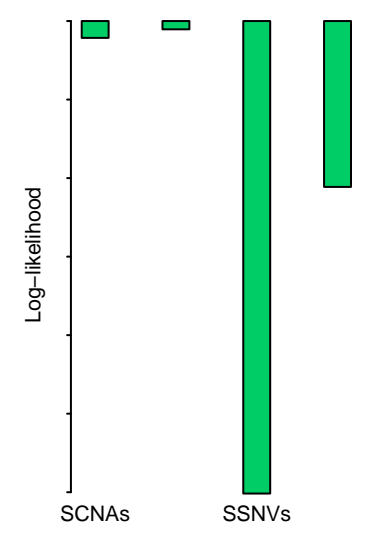
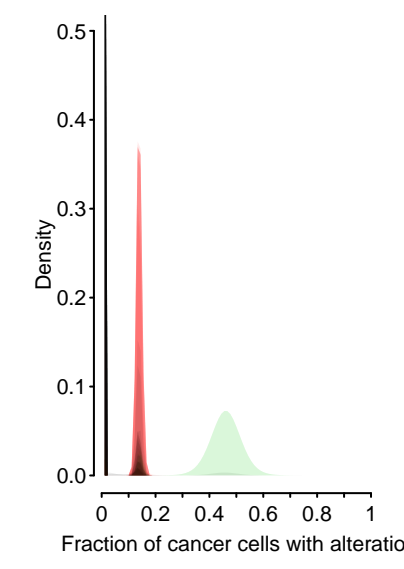
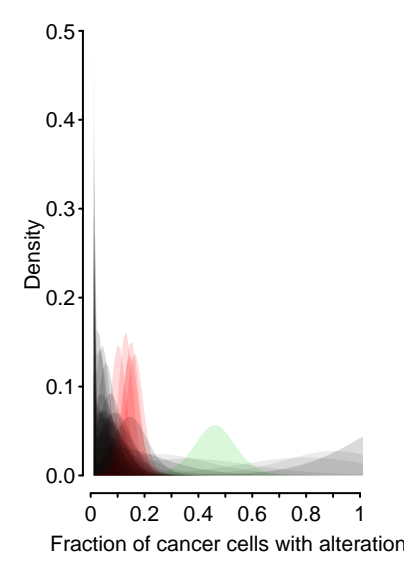
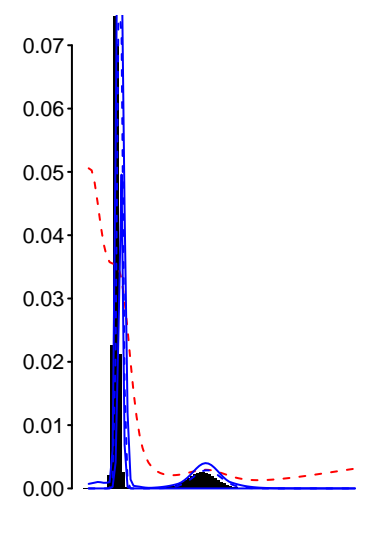
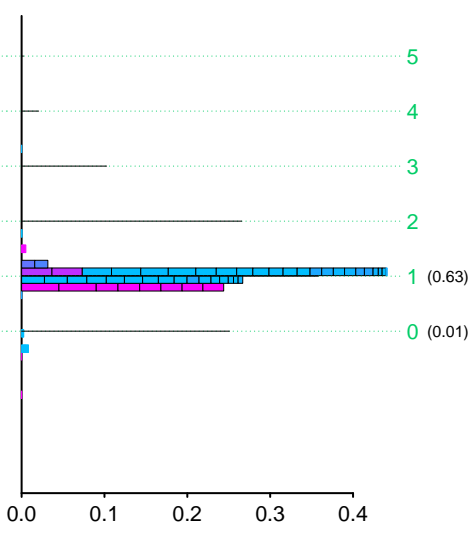
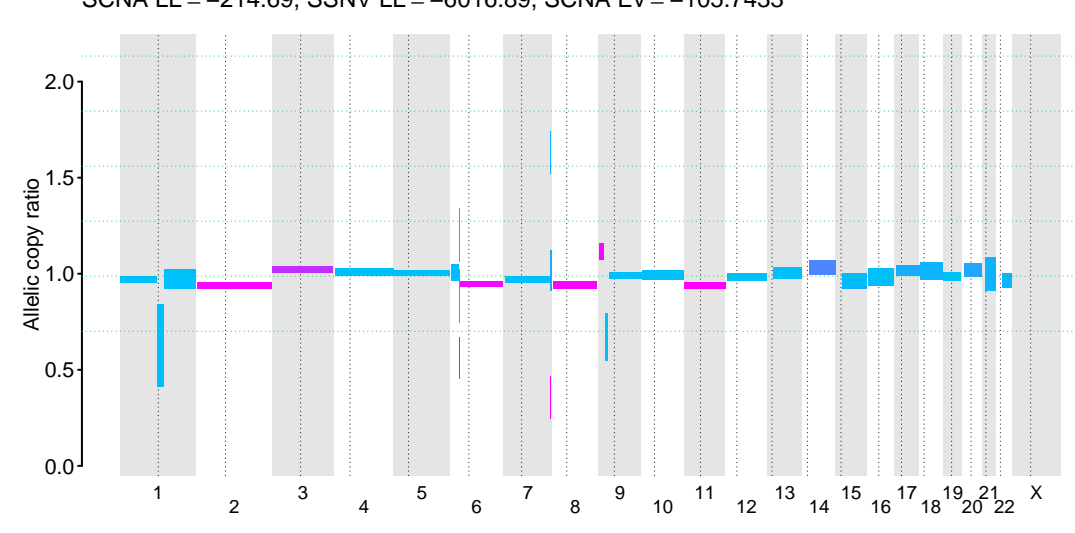
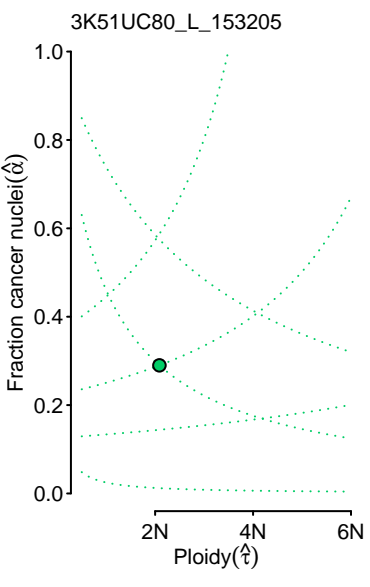
purity($\hat{\alpha}$) = 0.16, ploidy: $\hat{t} = 1.93$, $\hat{t}_g = 2.02$
 $\theta_z = 0.02$, $\theta_a = 1.504$, WGD=0
 SCNA LL = -236.71, SSNV LL = -9953.22, SCNA Ev = -29.60161



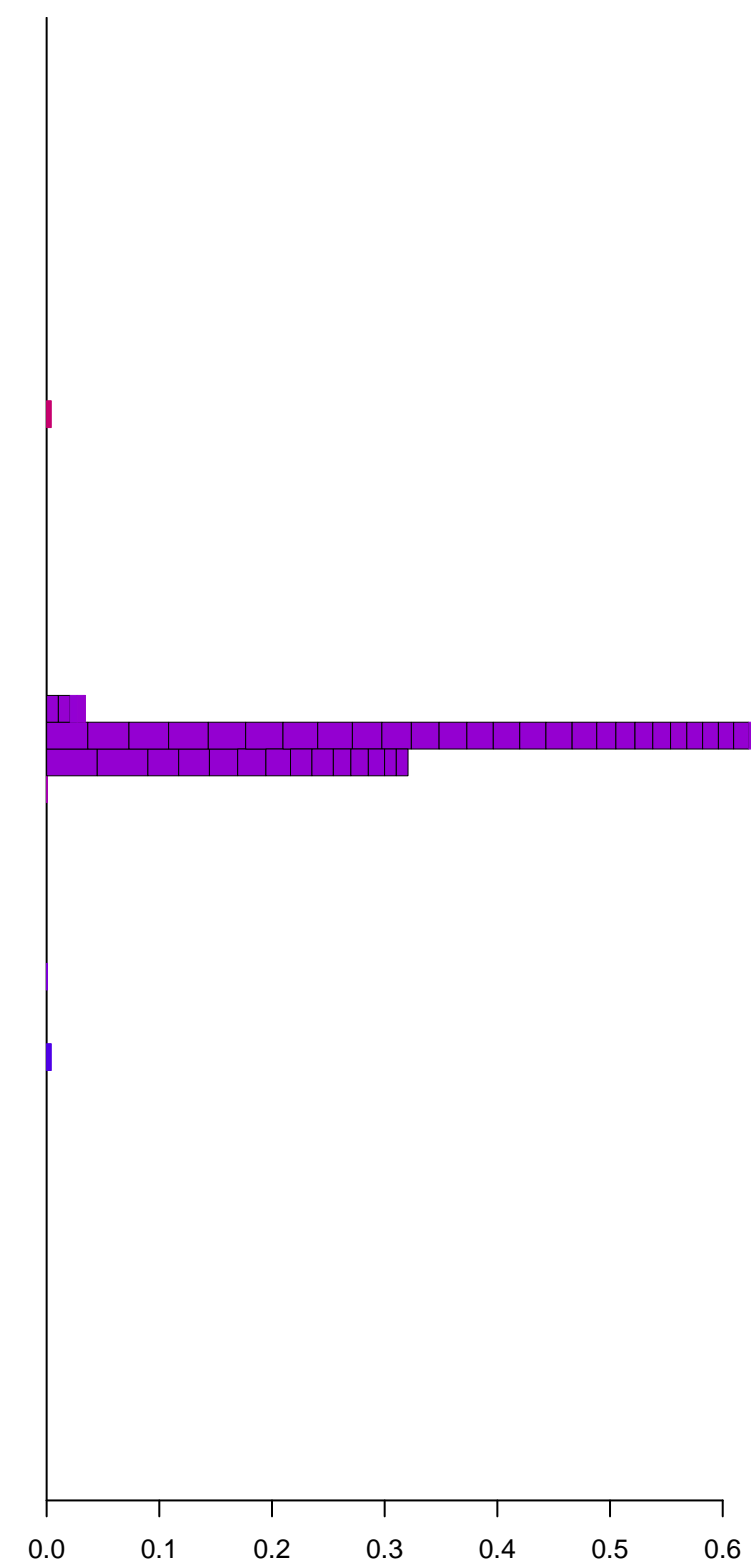
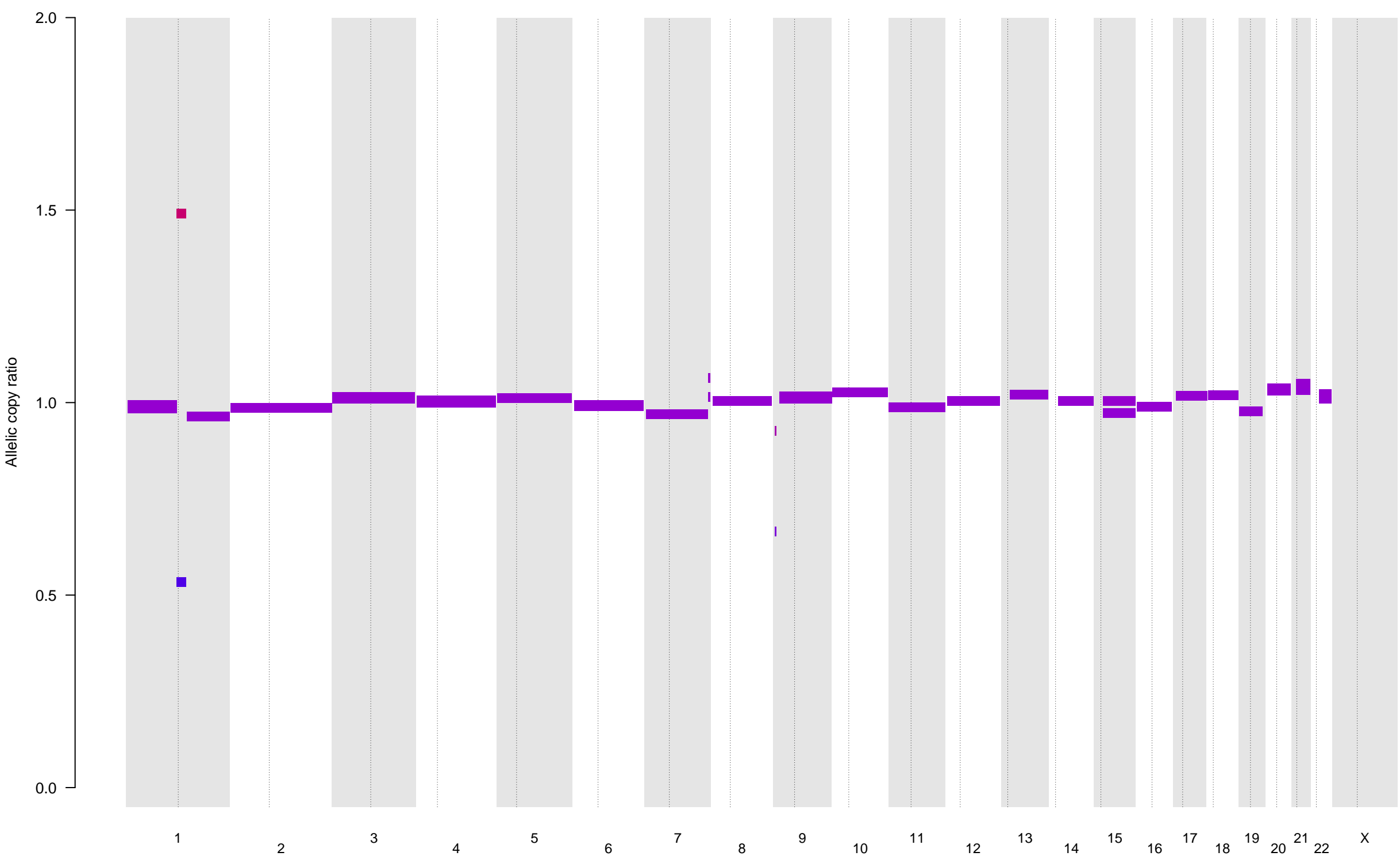
Sample 36

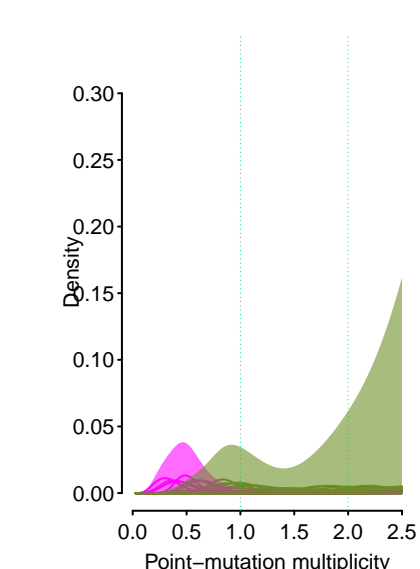
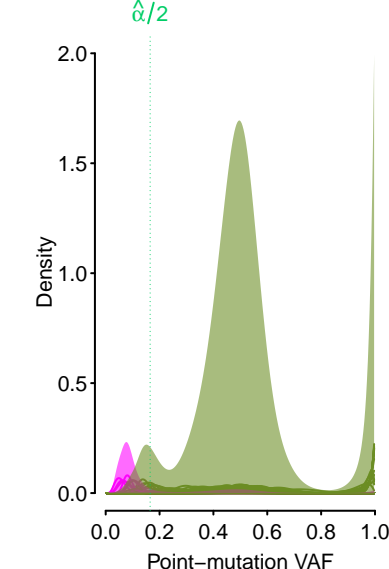
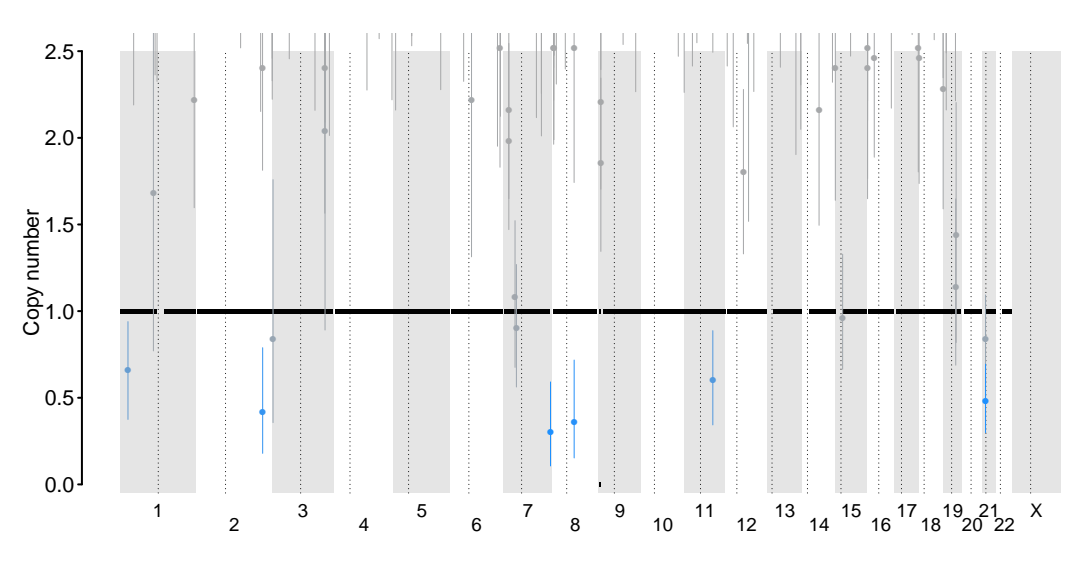
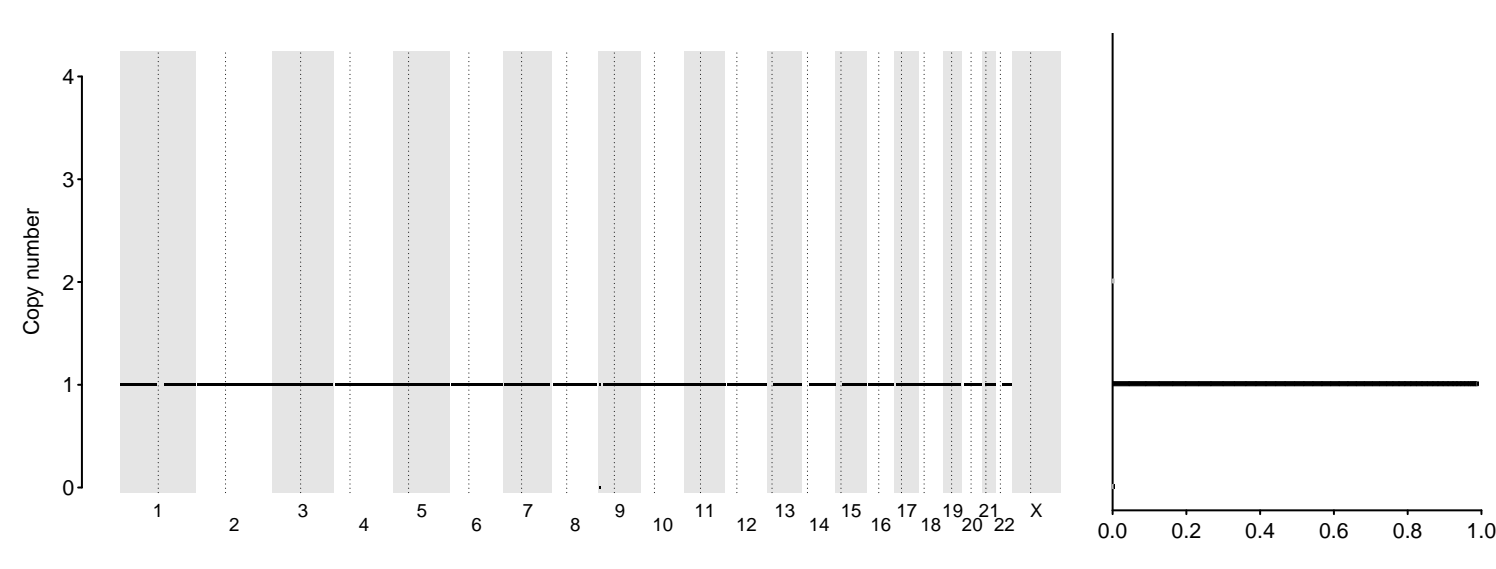
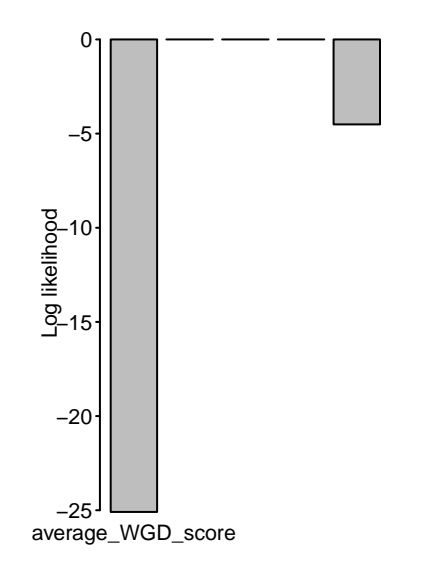
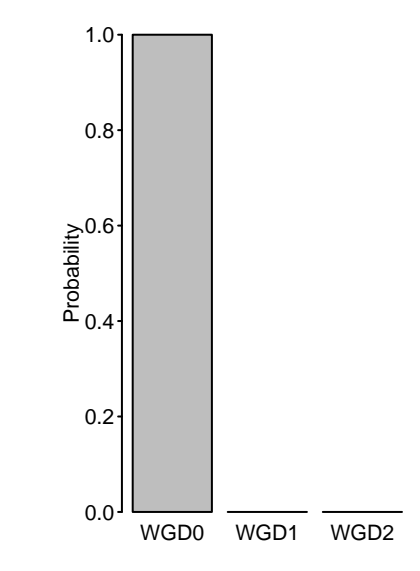
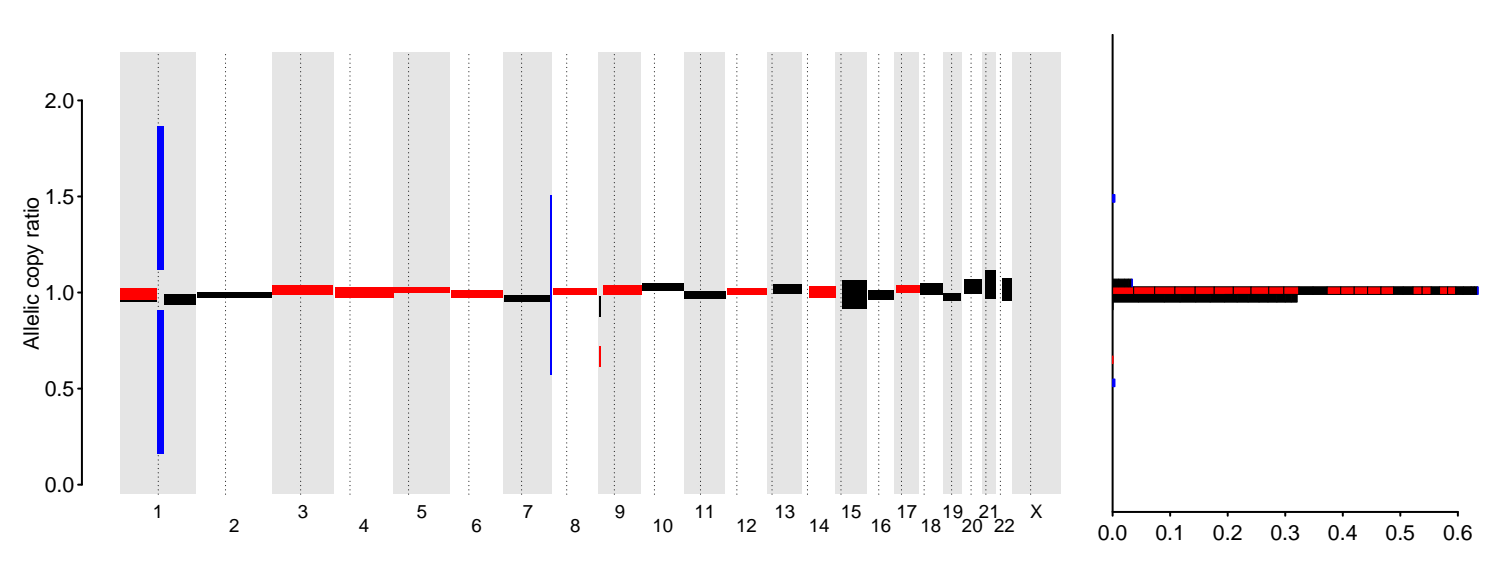
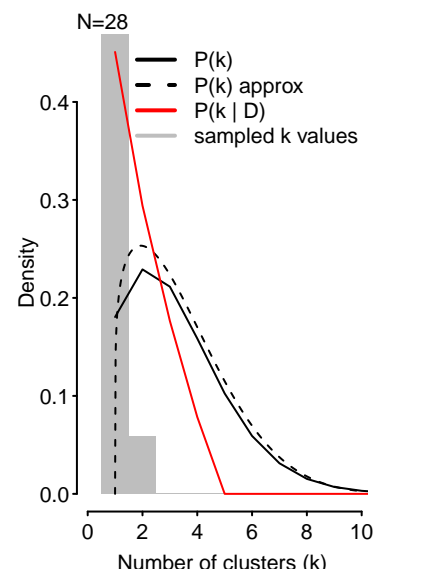
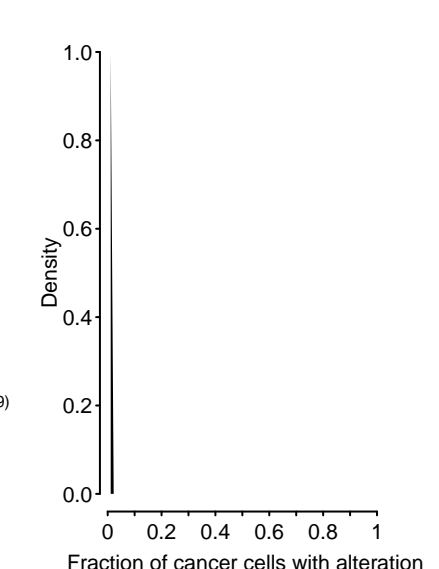
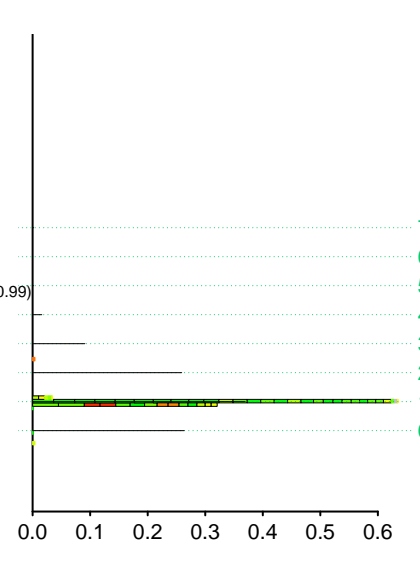
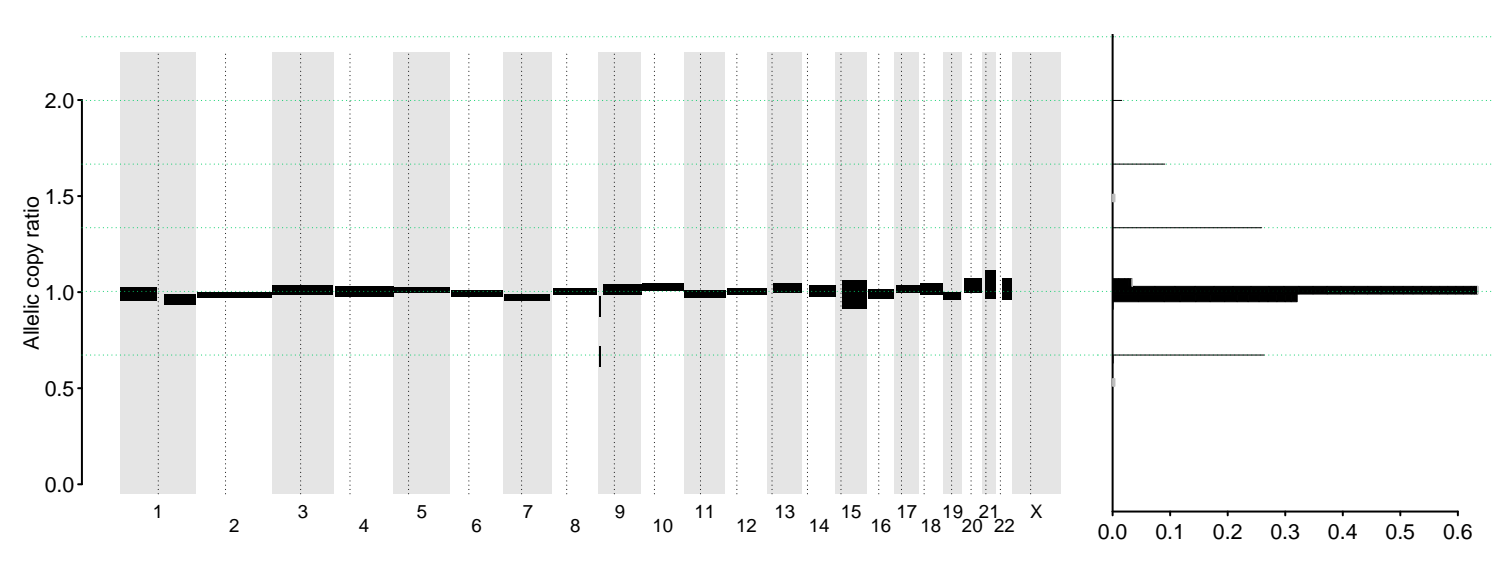
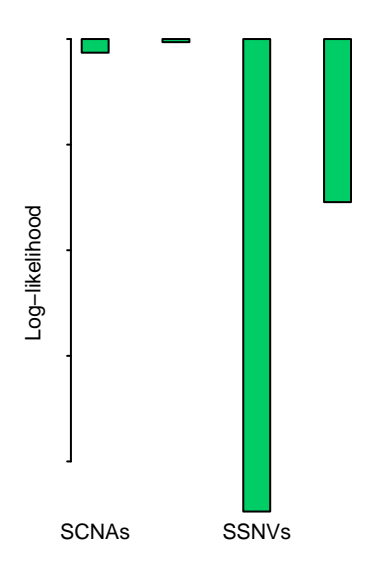
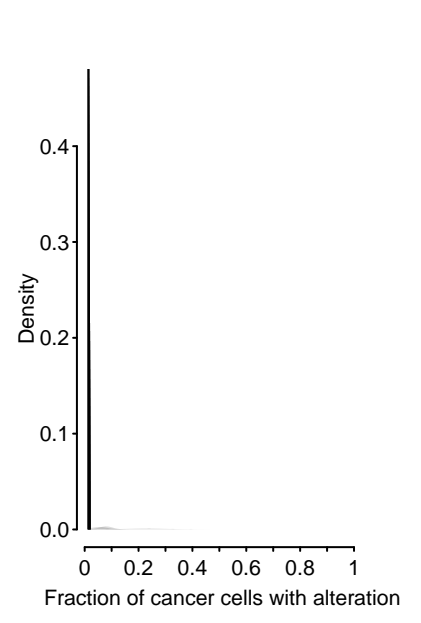
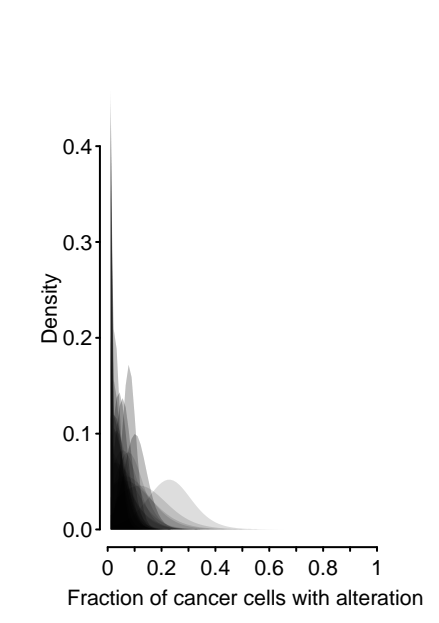
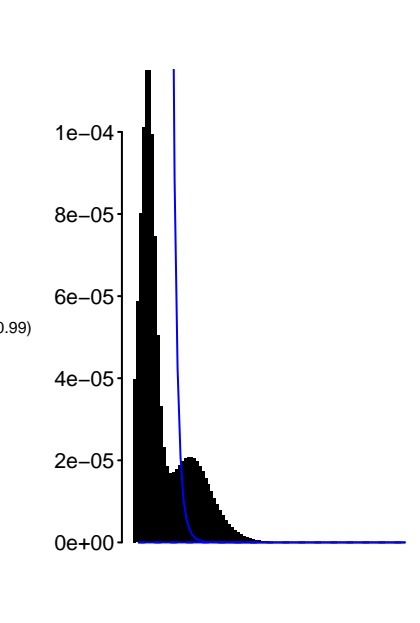
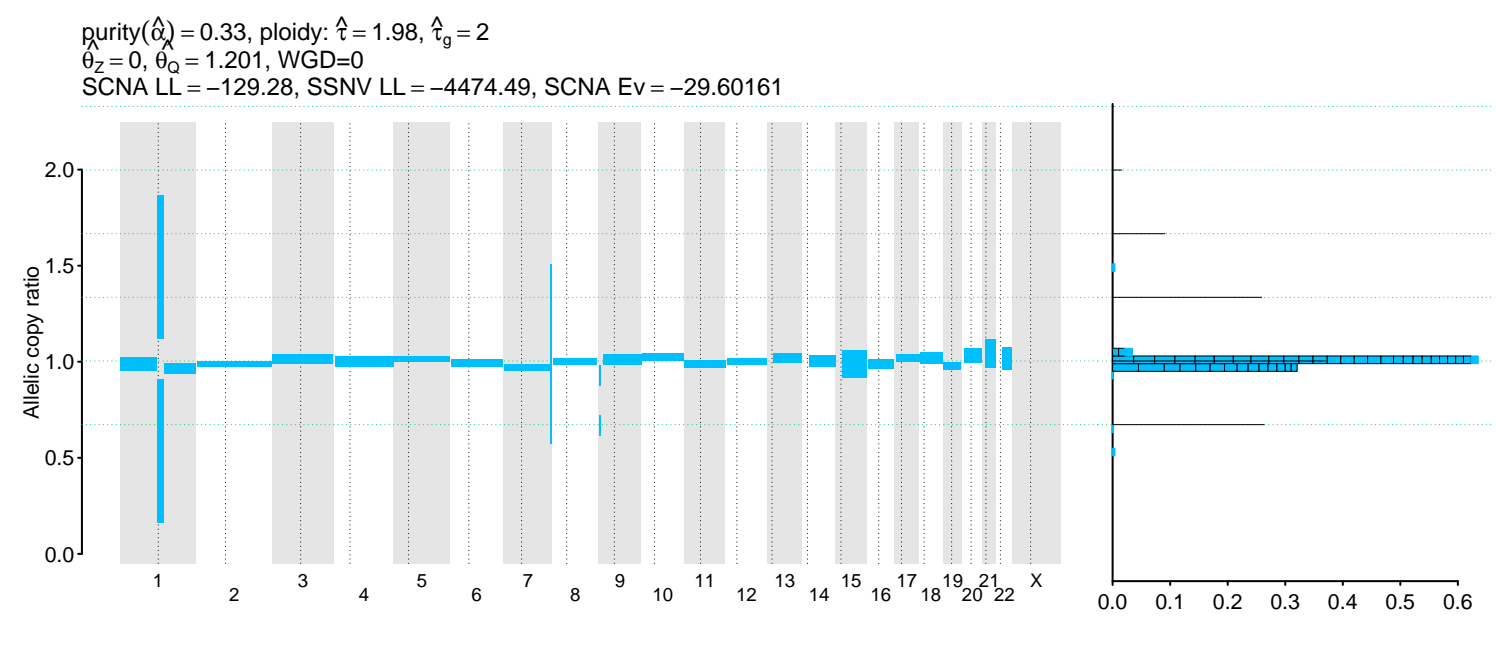
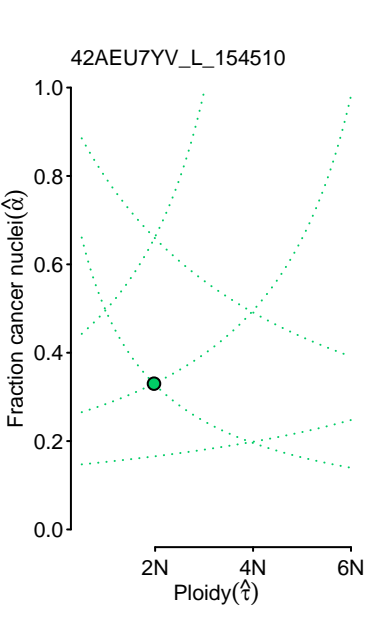


$\text{purity}(\hat{\alpha}) = 0.29$, ploidy: $\hat{\tau} = 2.09$, $\hat{\tau}_g = 1.98$
 $\theta_z = 0.32$, $\theta_a = 1.237$, WGD=0
 SCNA LL = -214.69, SSNV LL = -6016.89, SCNA Ev = -105.7433

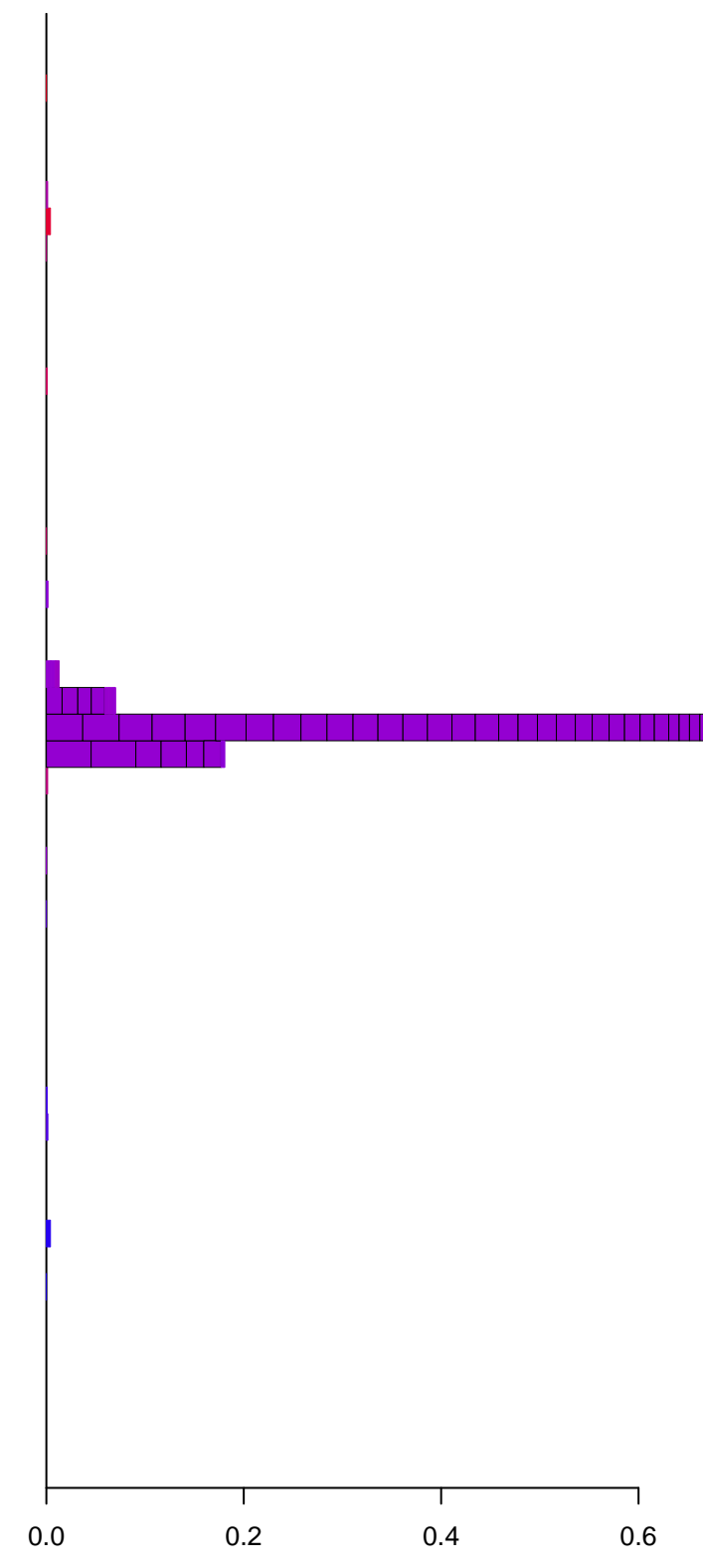
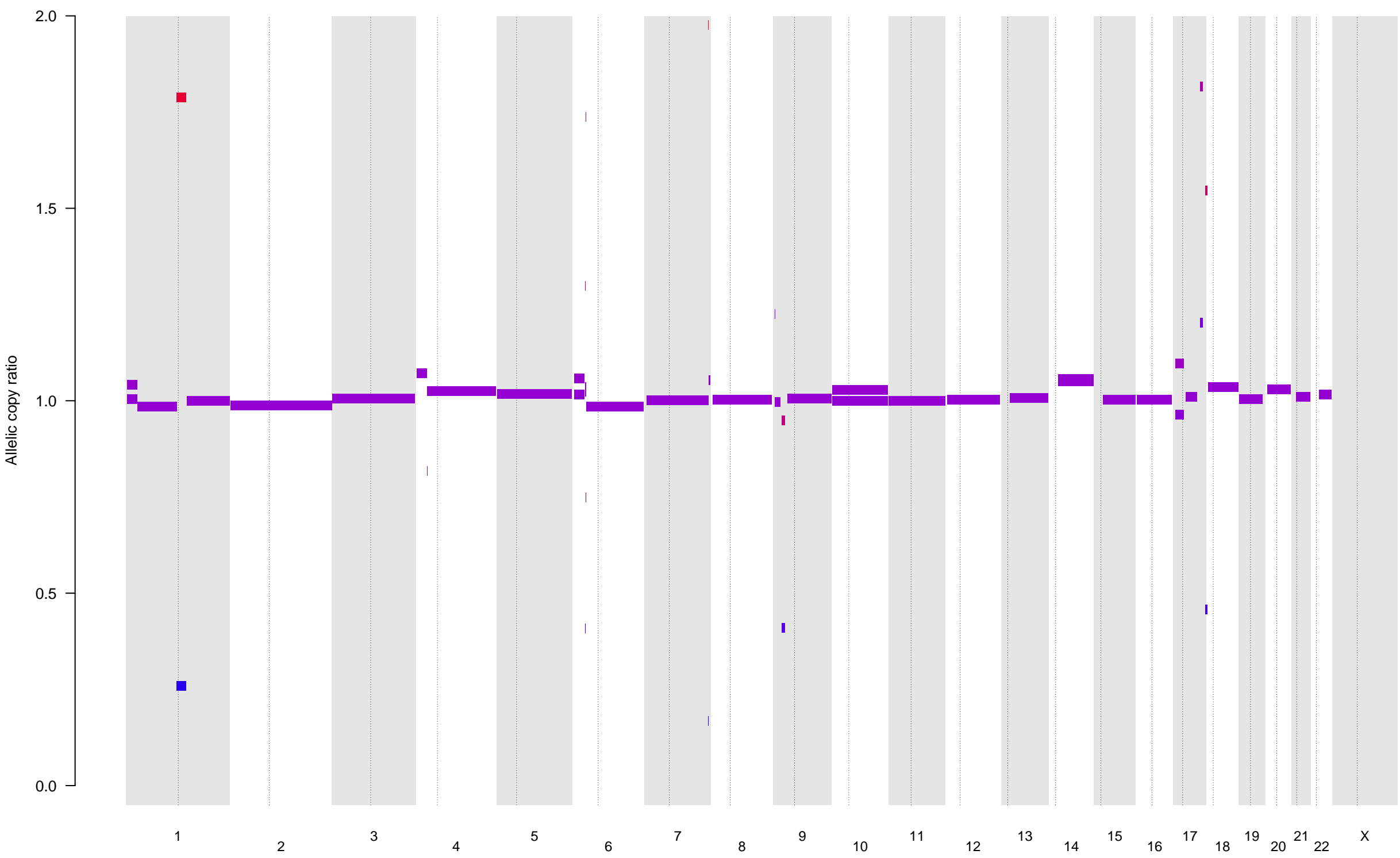


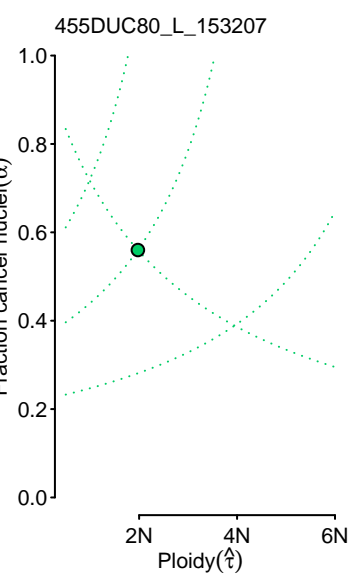
Sample 39



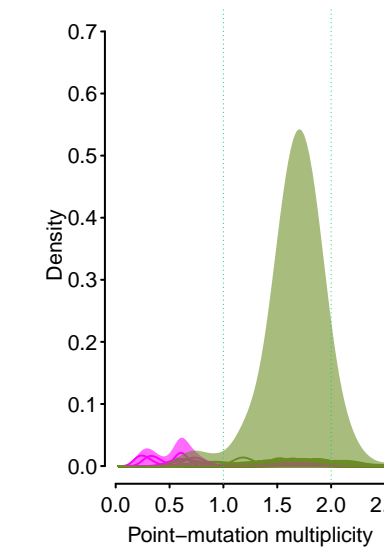
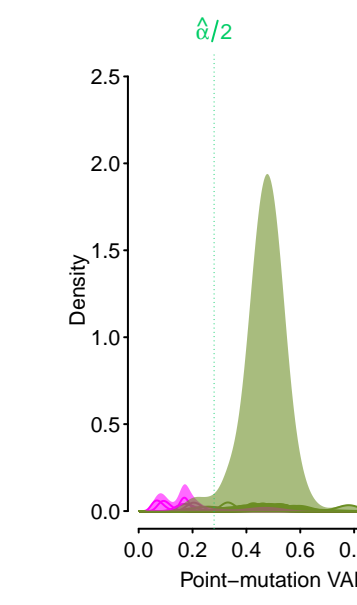
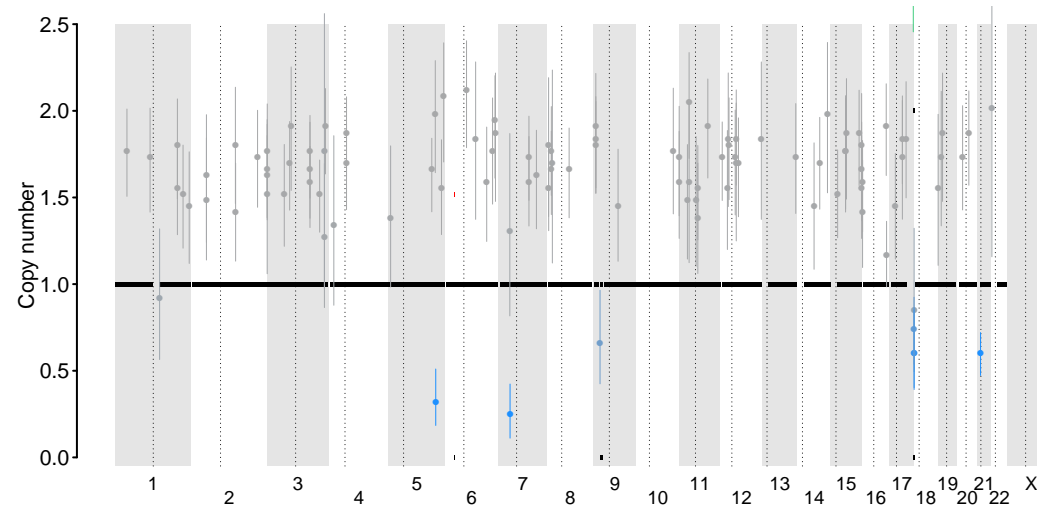
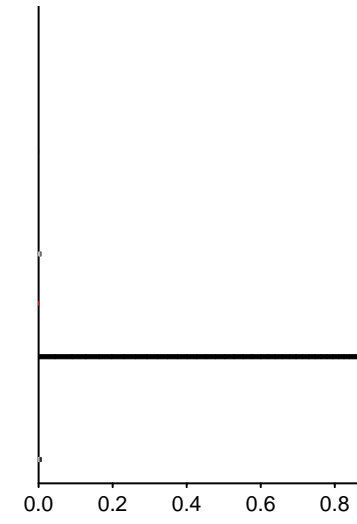
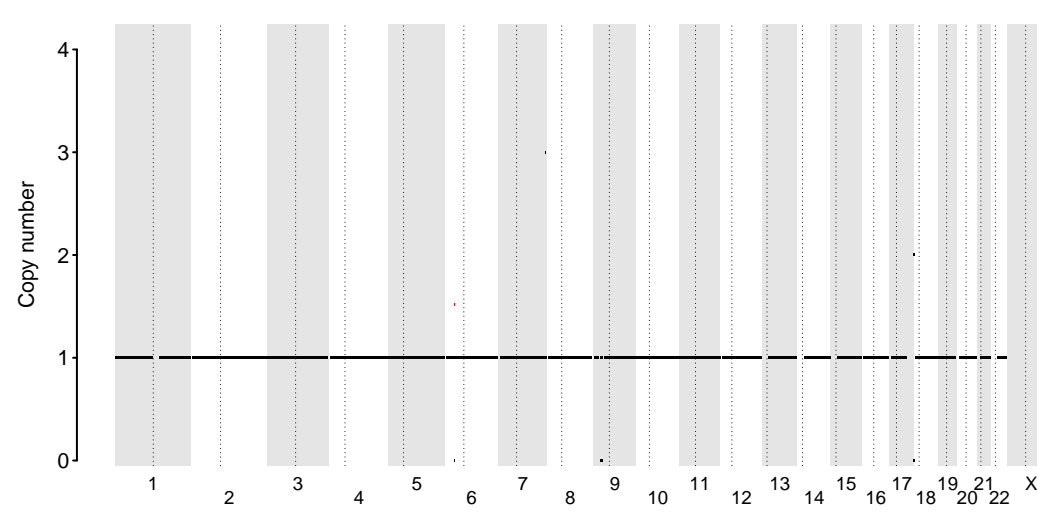
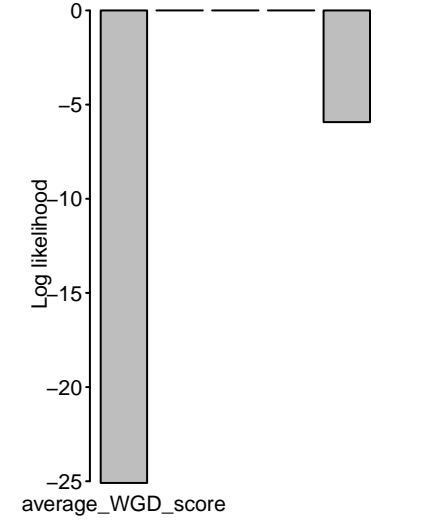
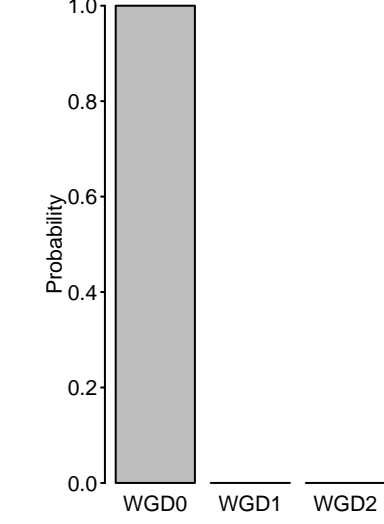
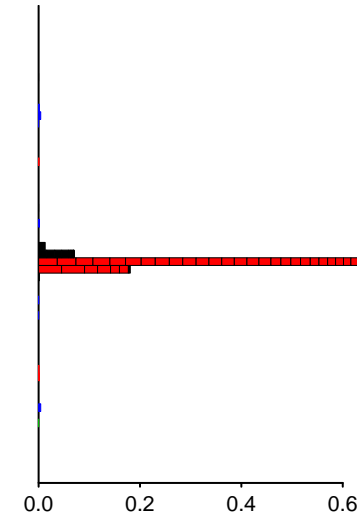
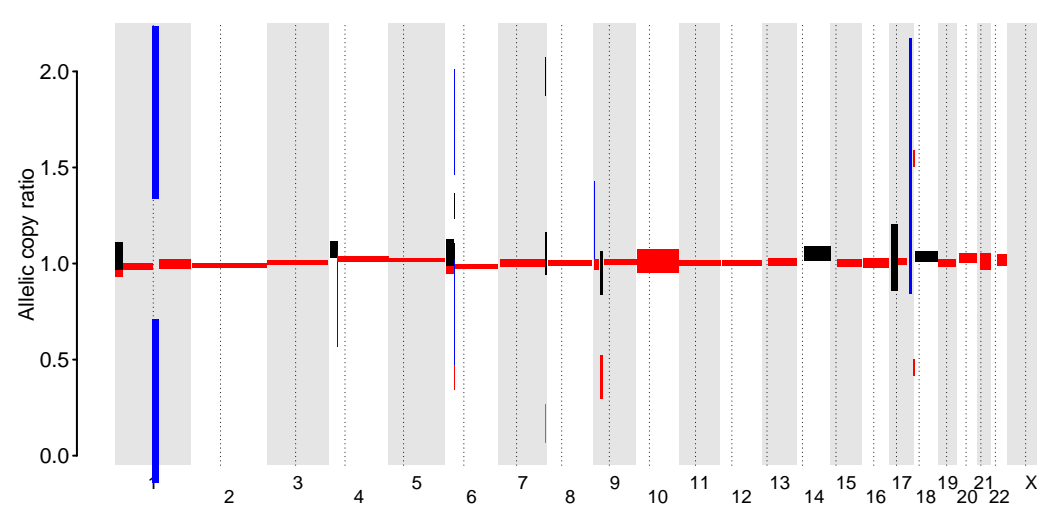
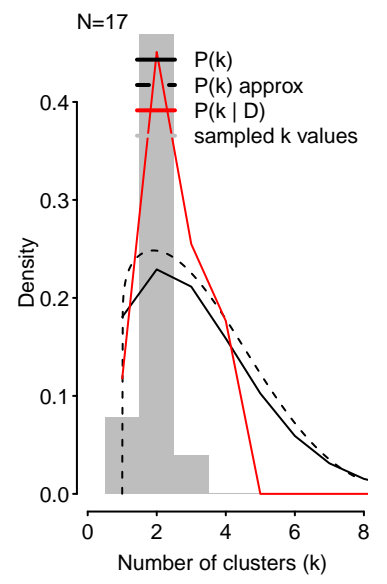
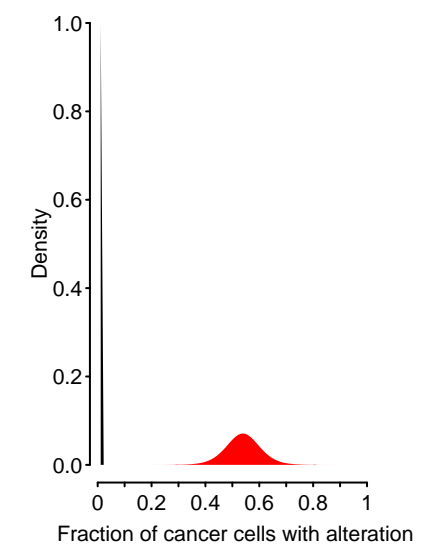
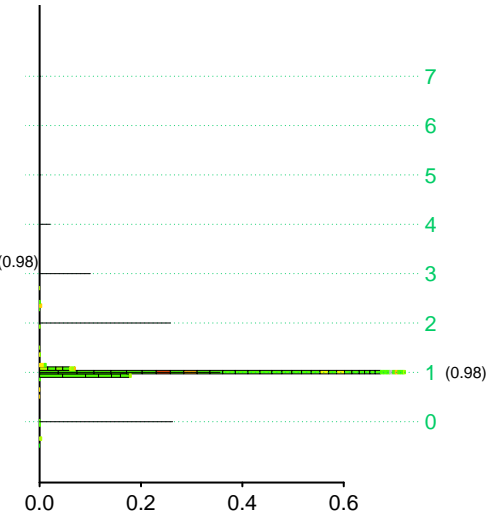
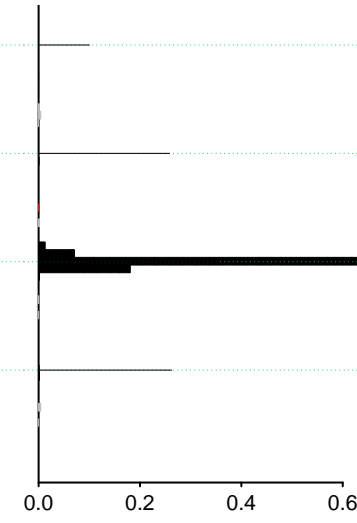
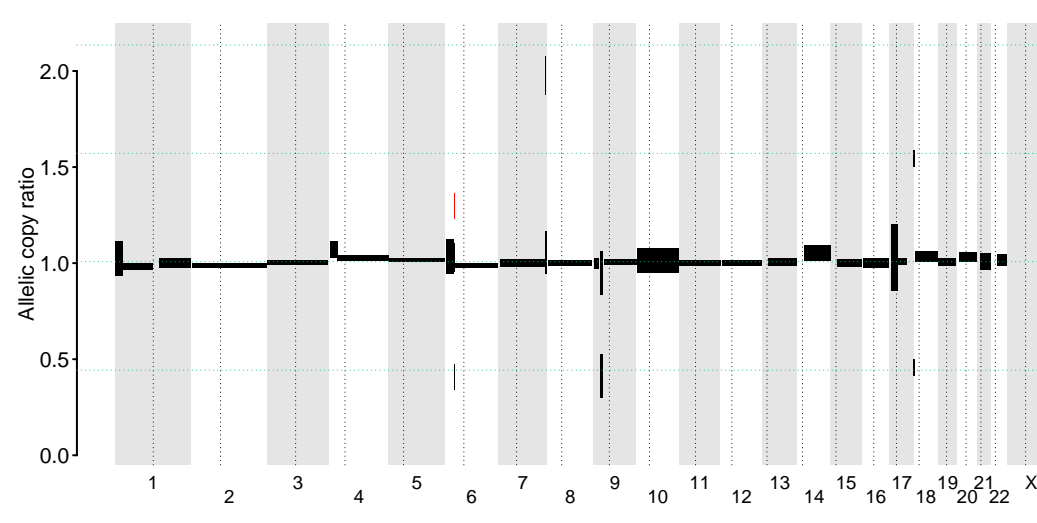
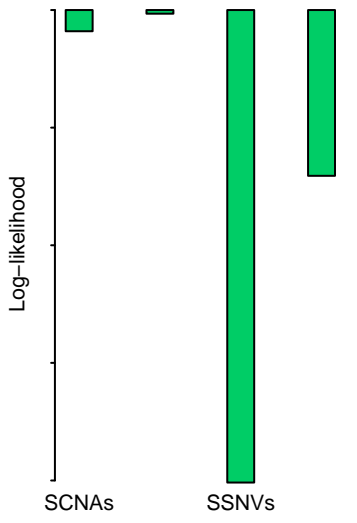
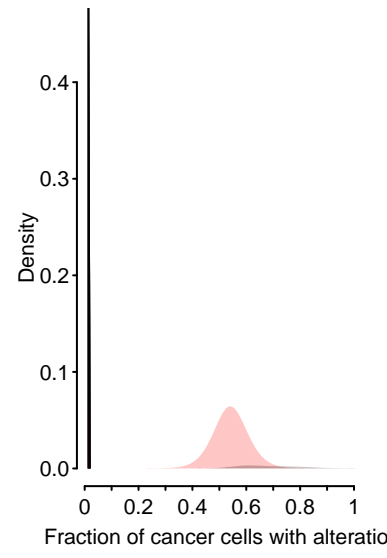
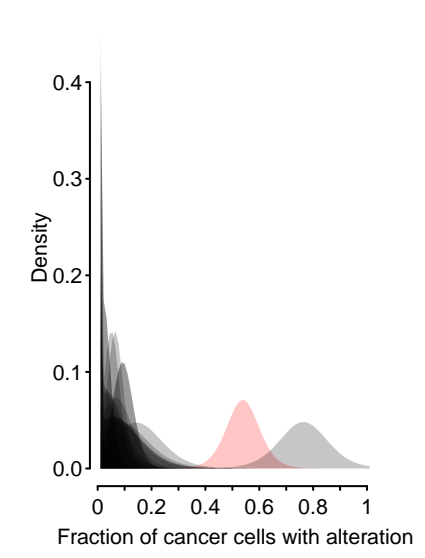
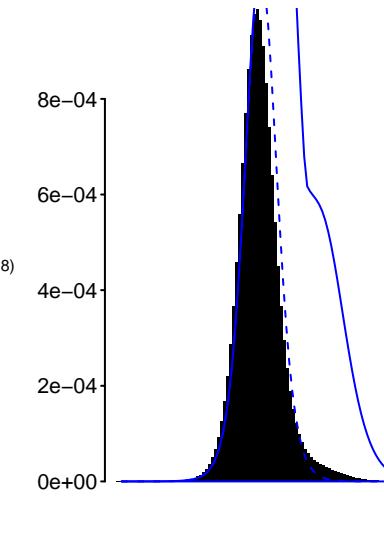
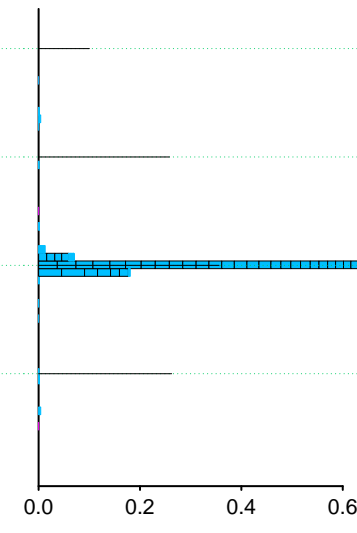
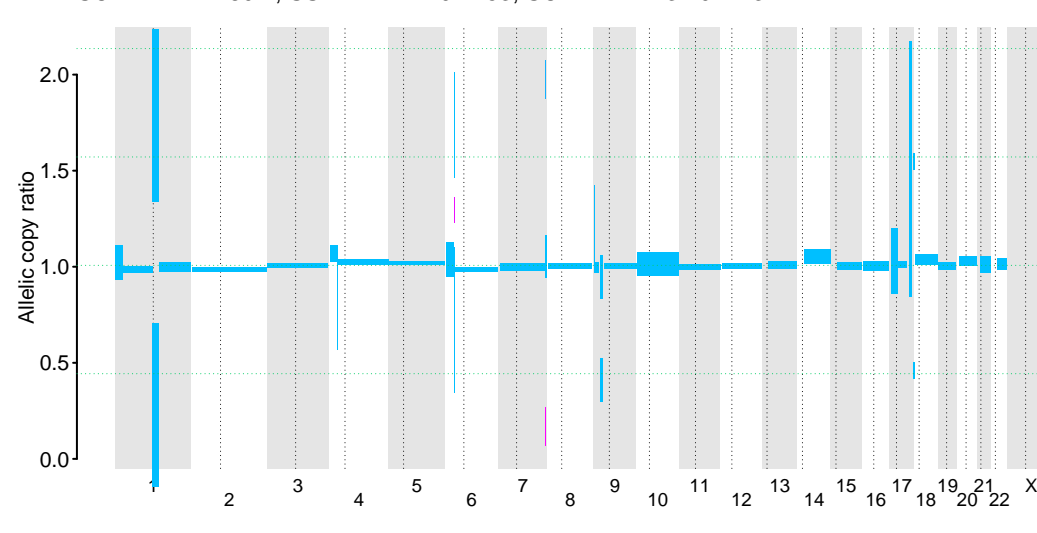


Sample 40

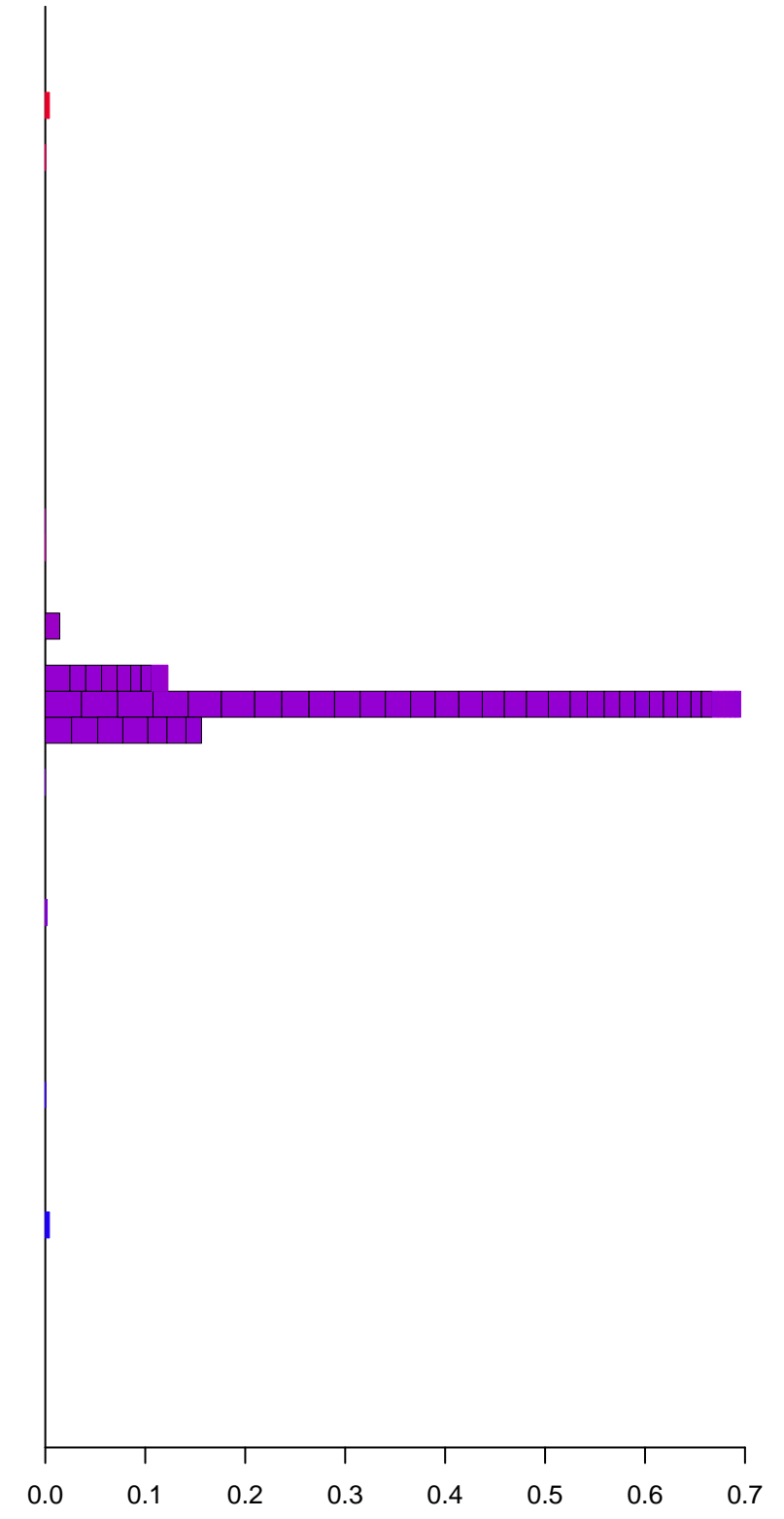
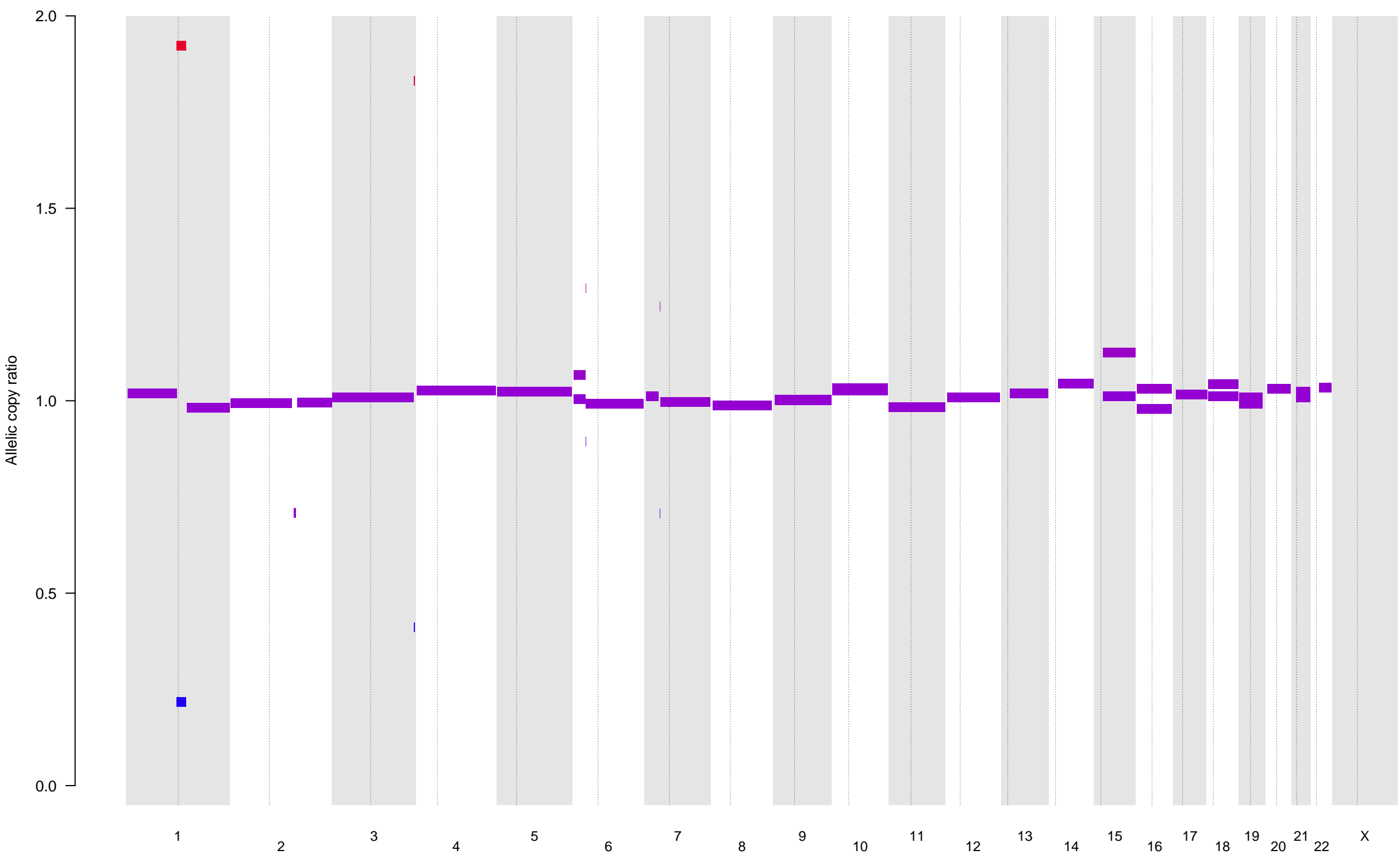


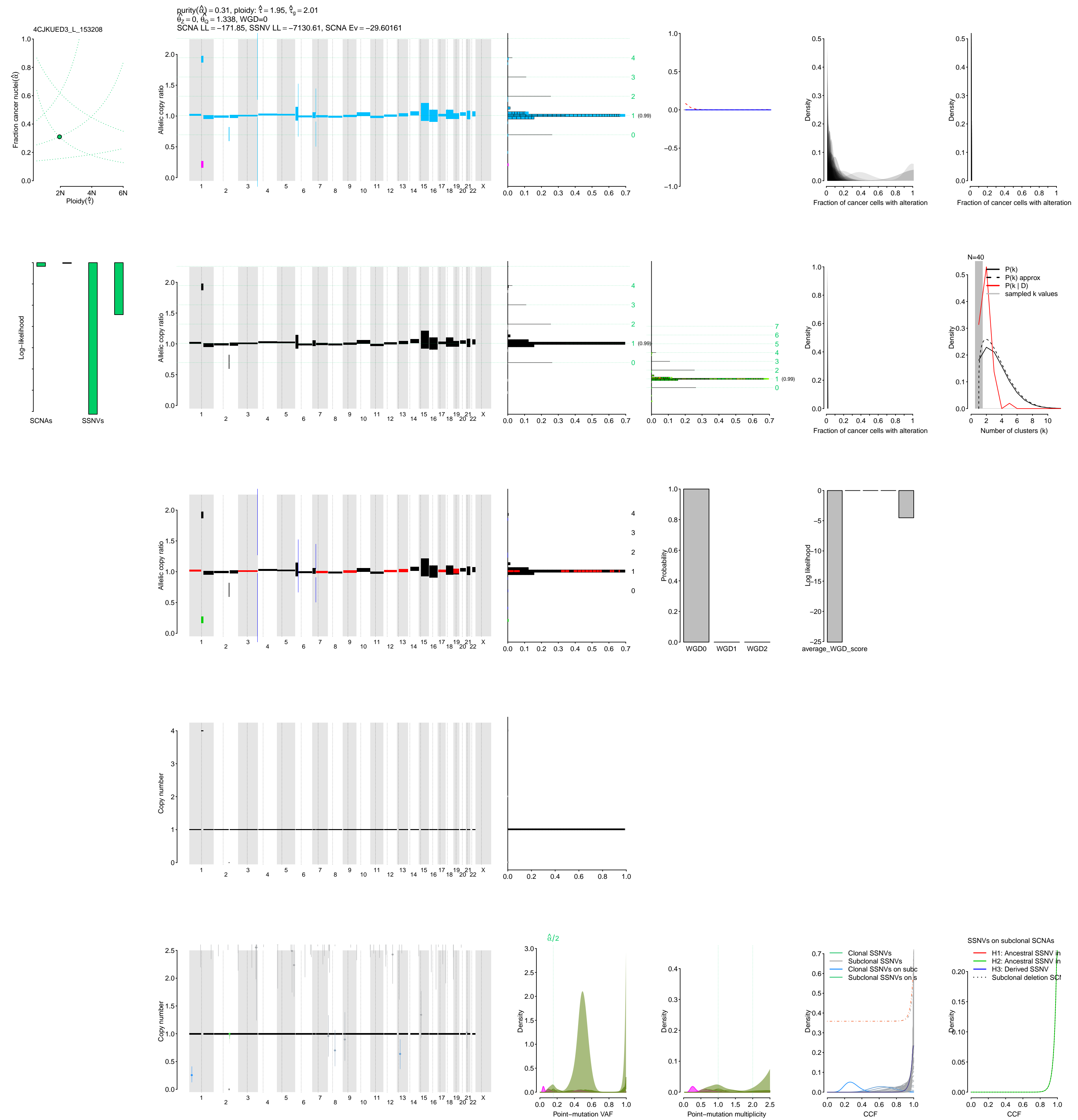


purity($\hat{\lambda}$) = 0.56, ploidy: $\hat{t} = 1.97$, $\hat{t}_g = 2$
 $\theta_z = 0$, $\theta_0 = 1.264$, WGD=0
 SCNA LL = -180.2, SSNV LL = -4017.53, SCNA Ev = -31.02143

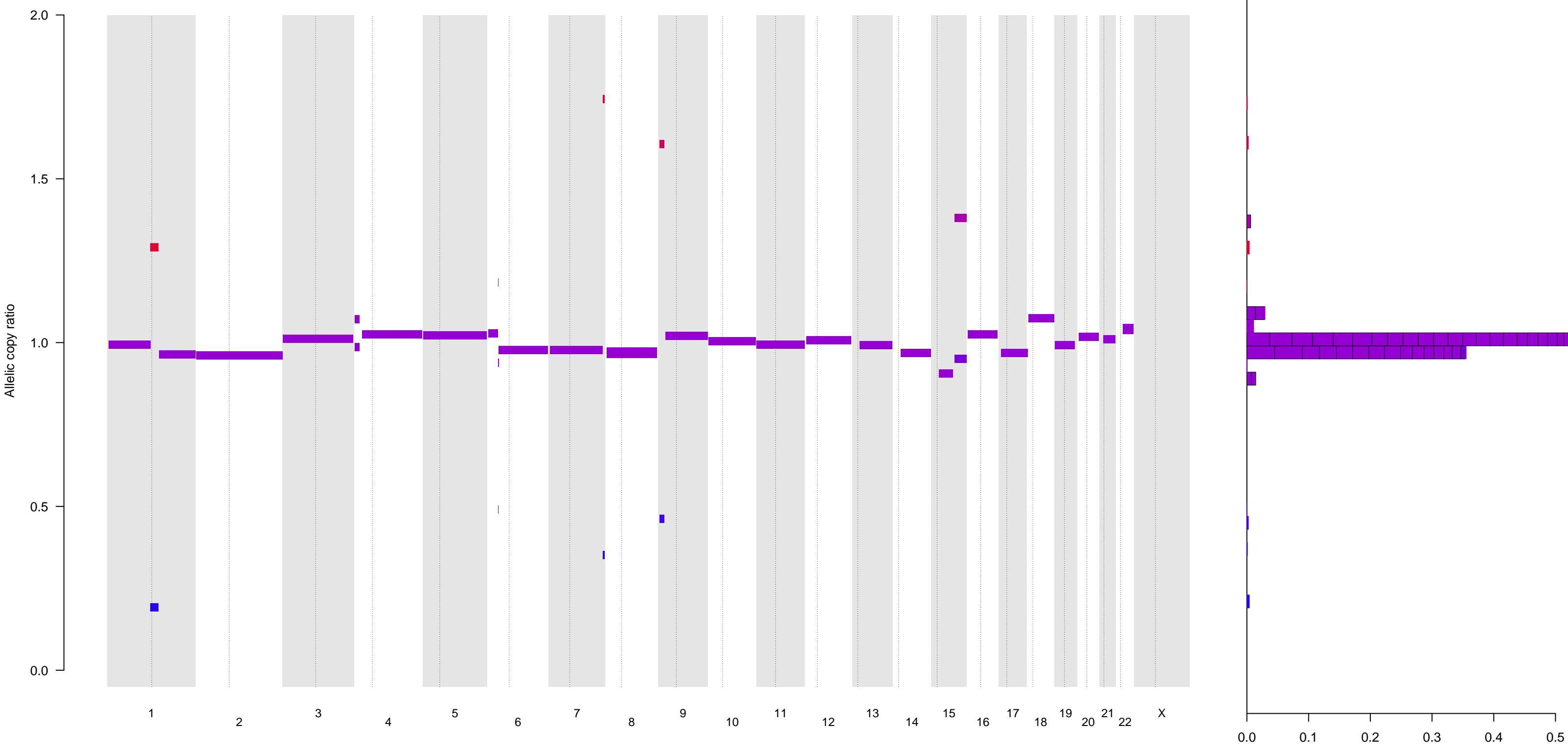


Sample 42

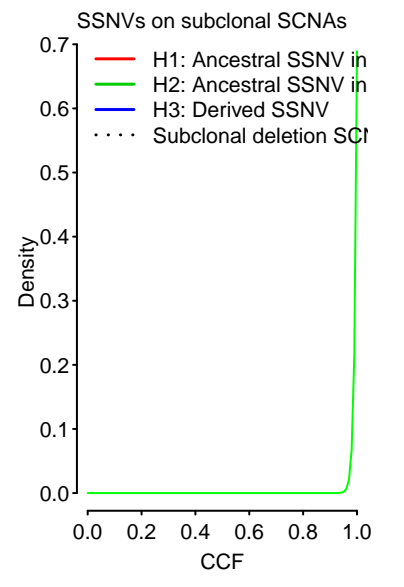
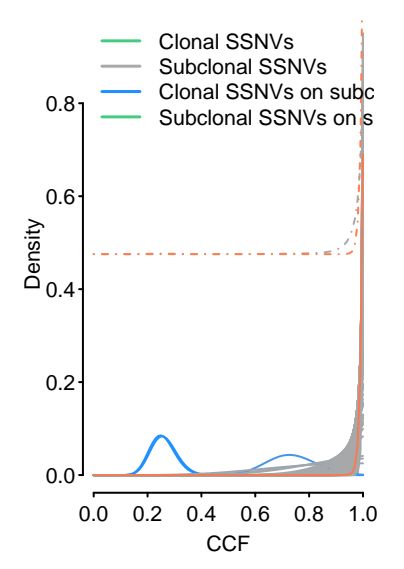
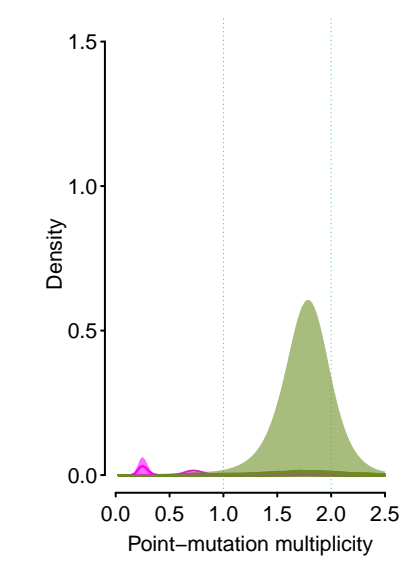
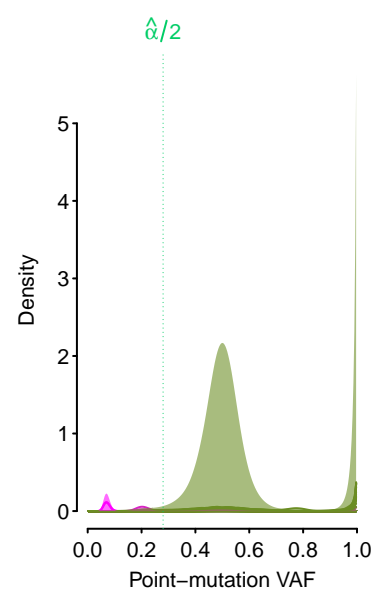
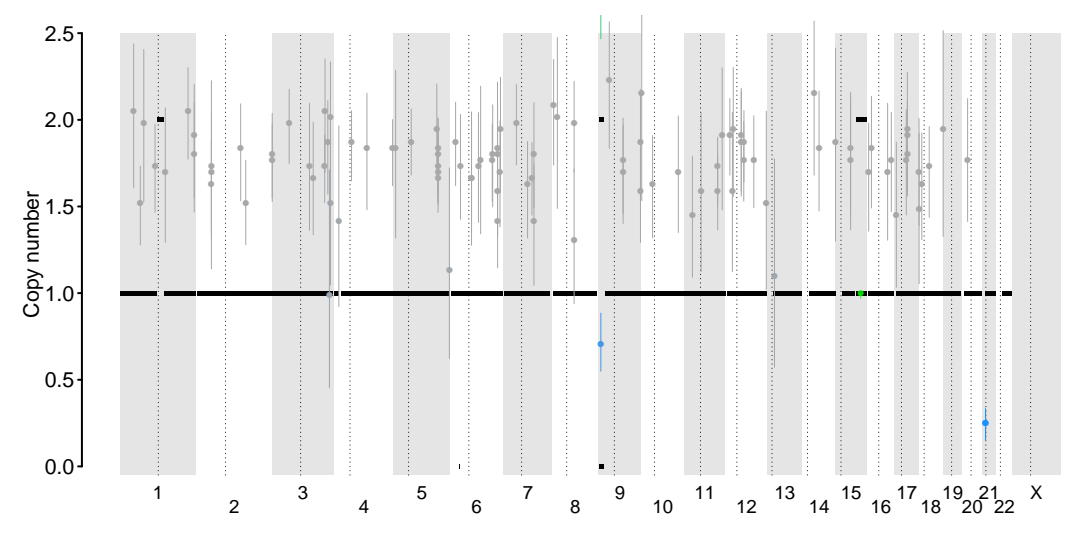
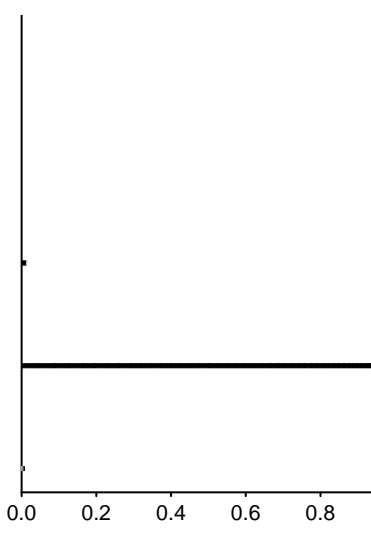
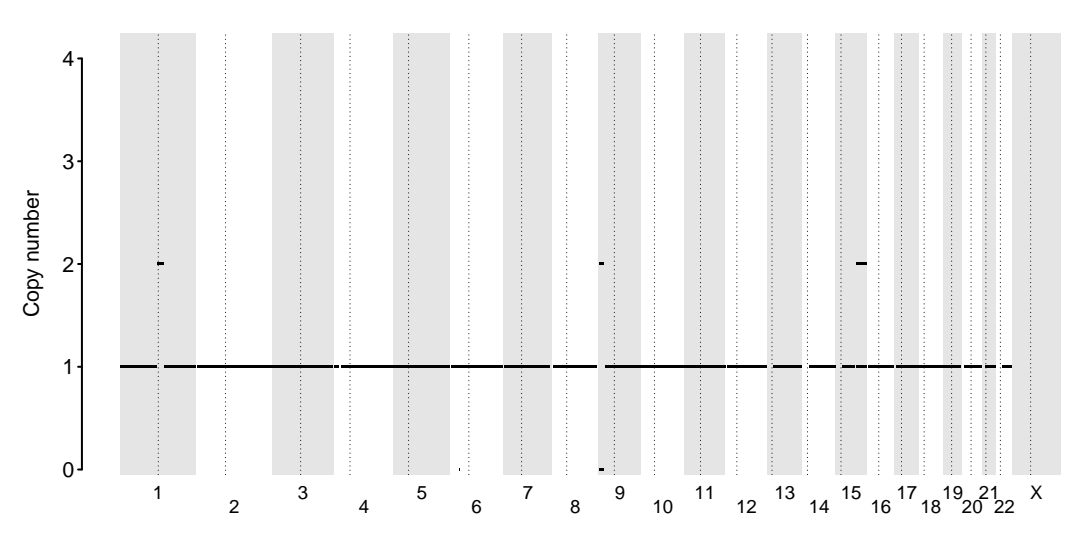
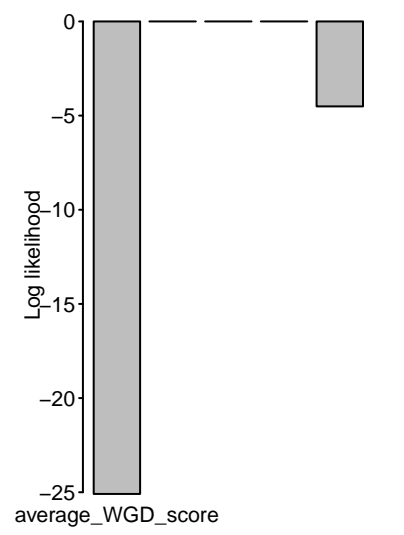
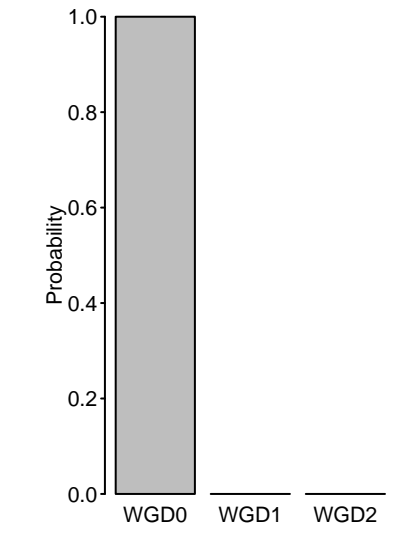
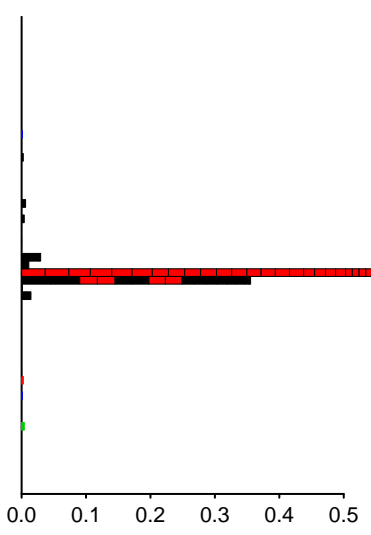
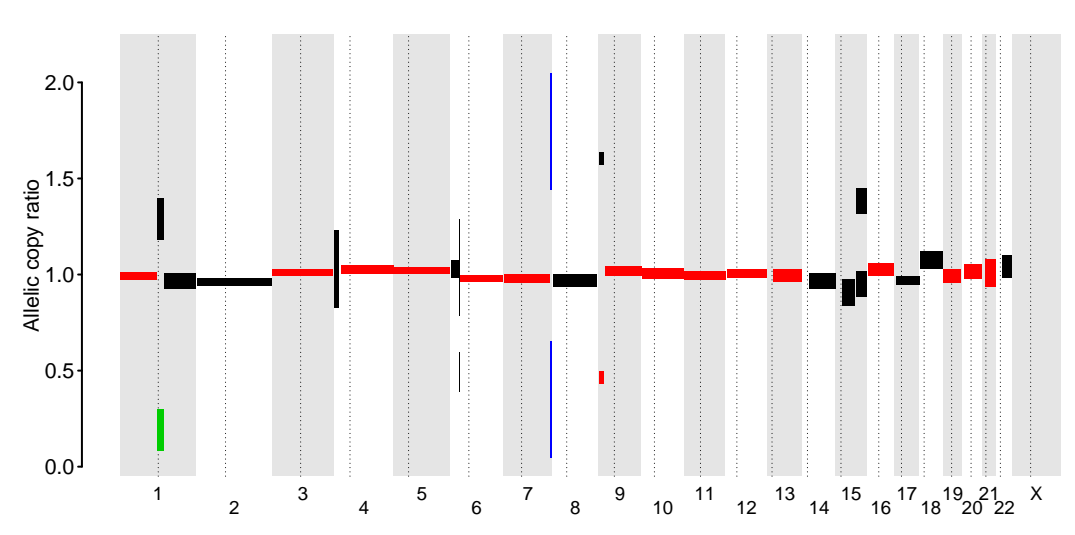
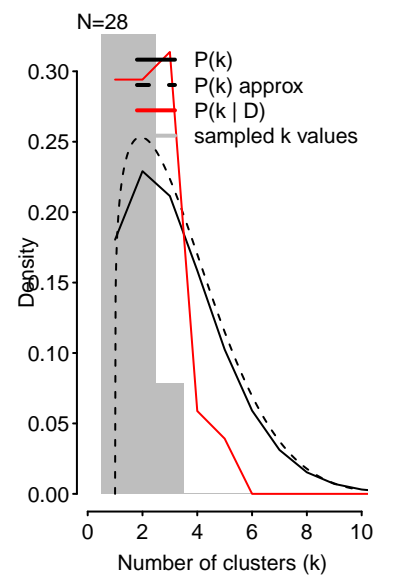
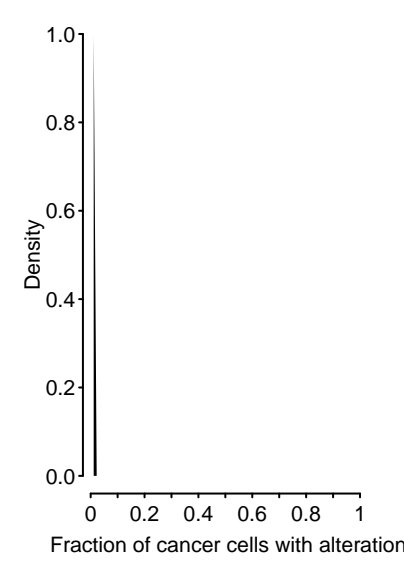
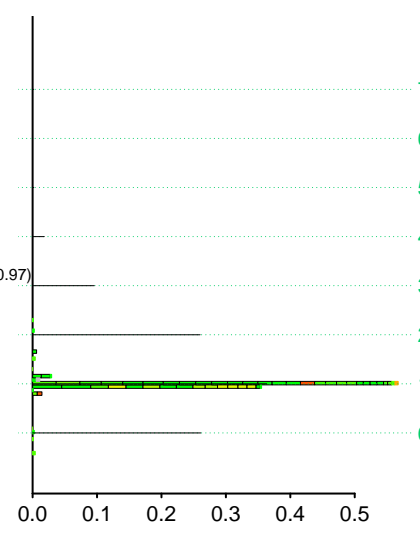
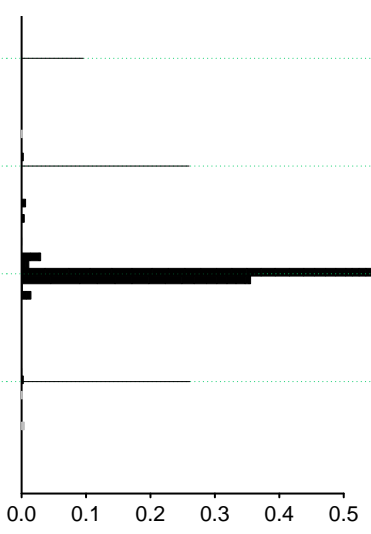
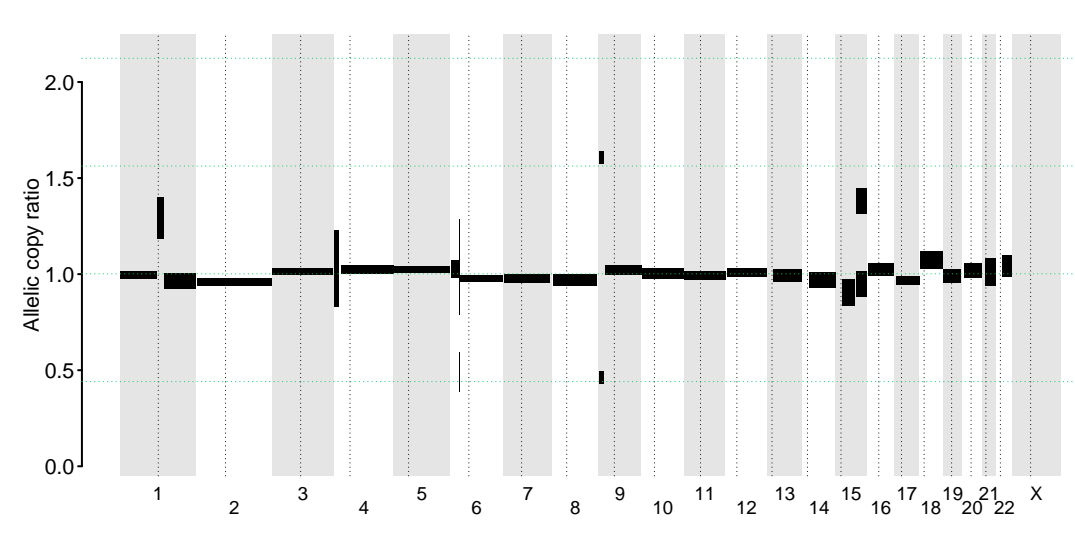
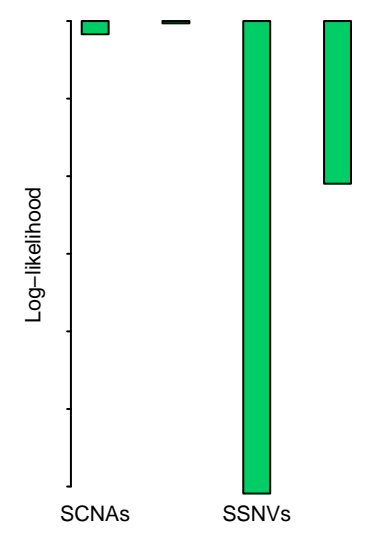
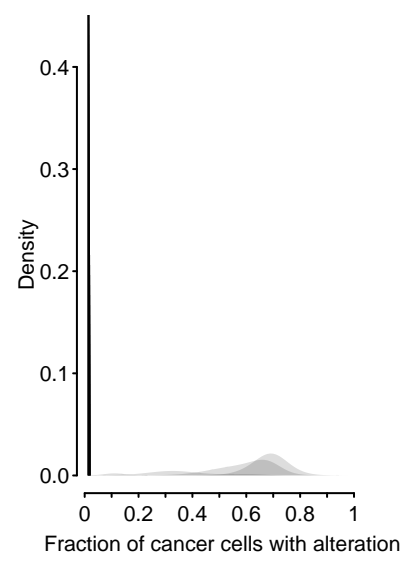
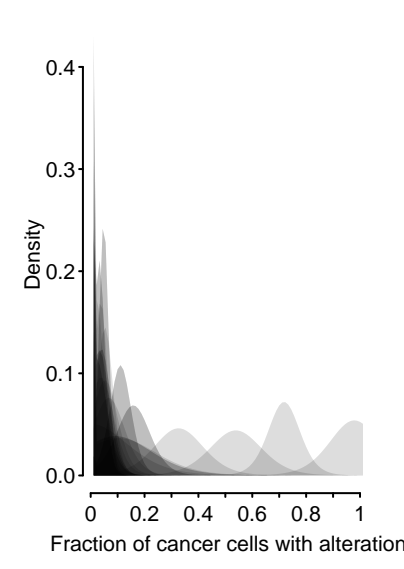
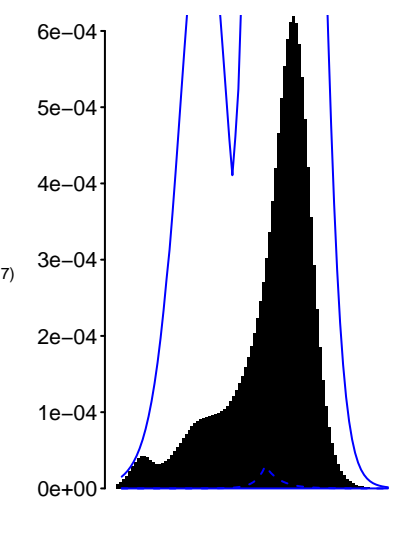
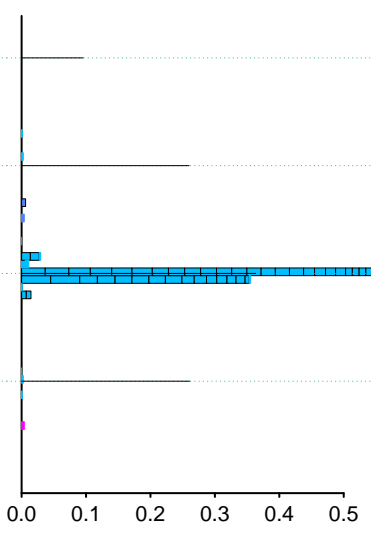
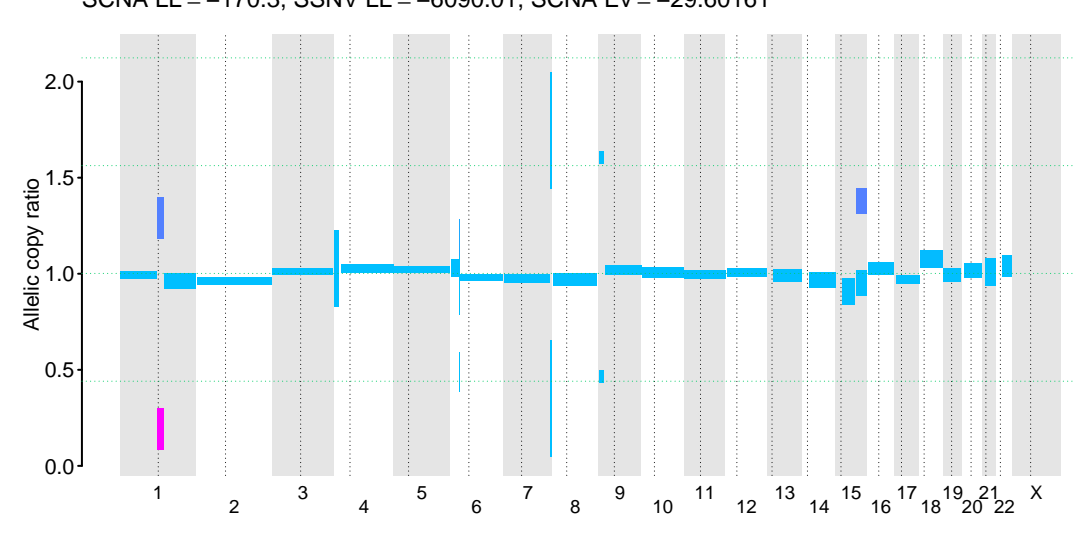
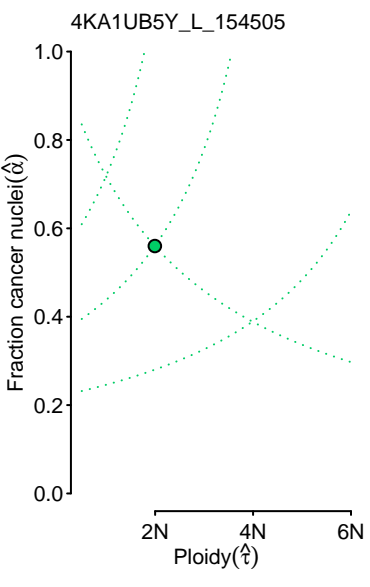




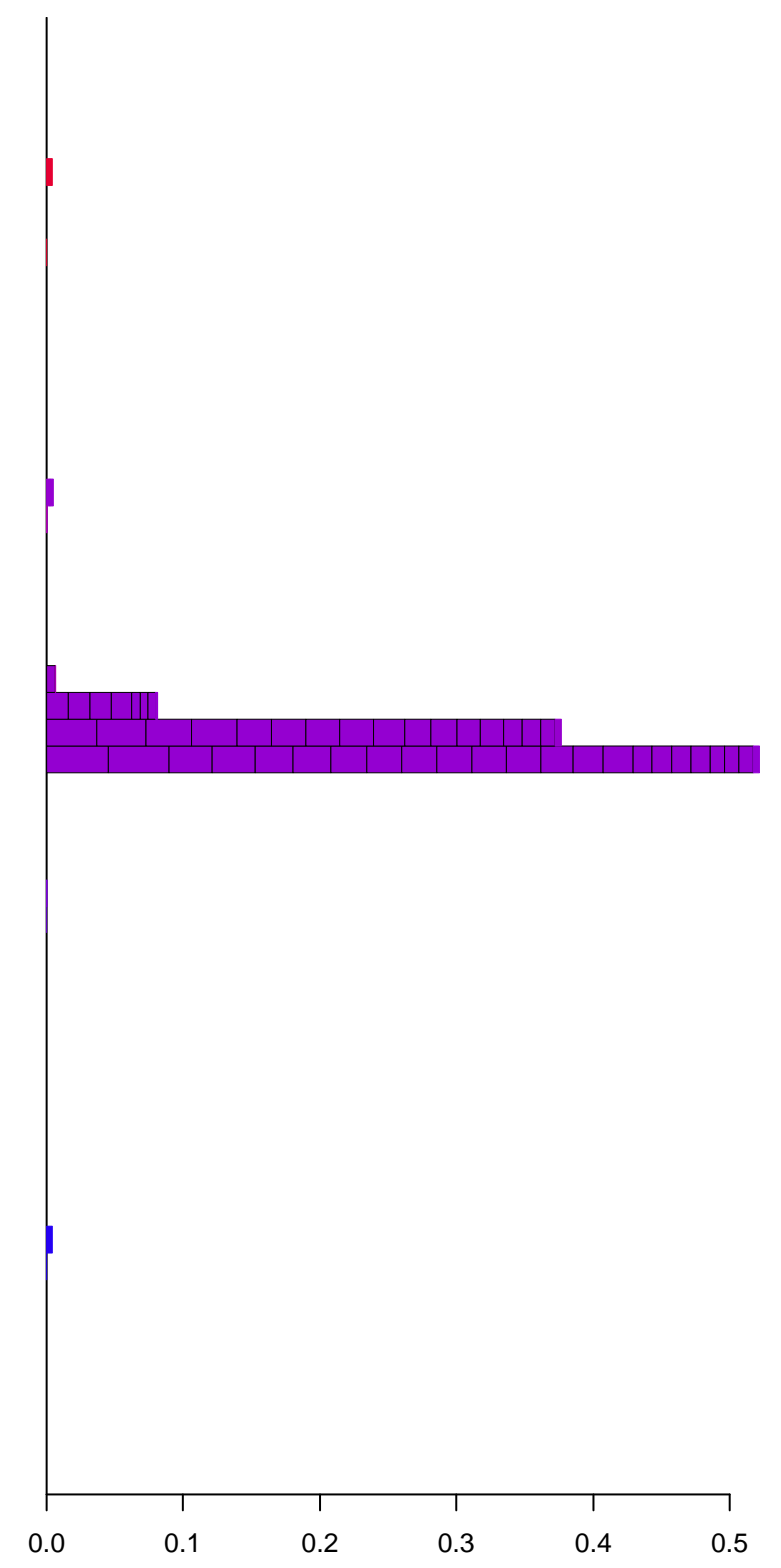
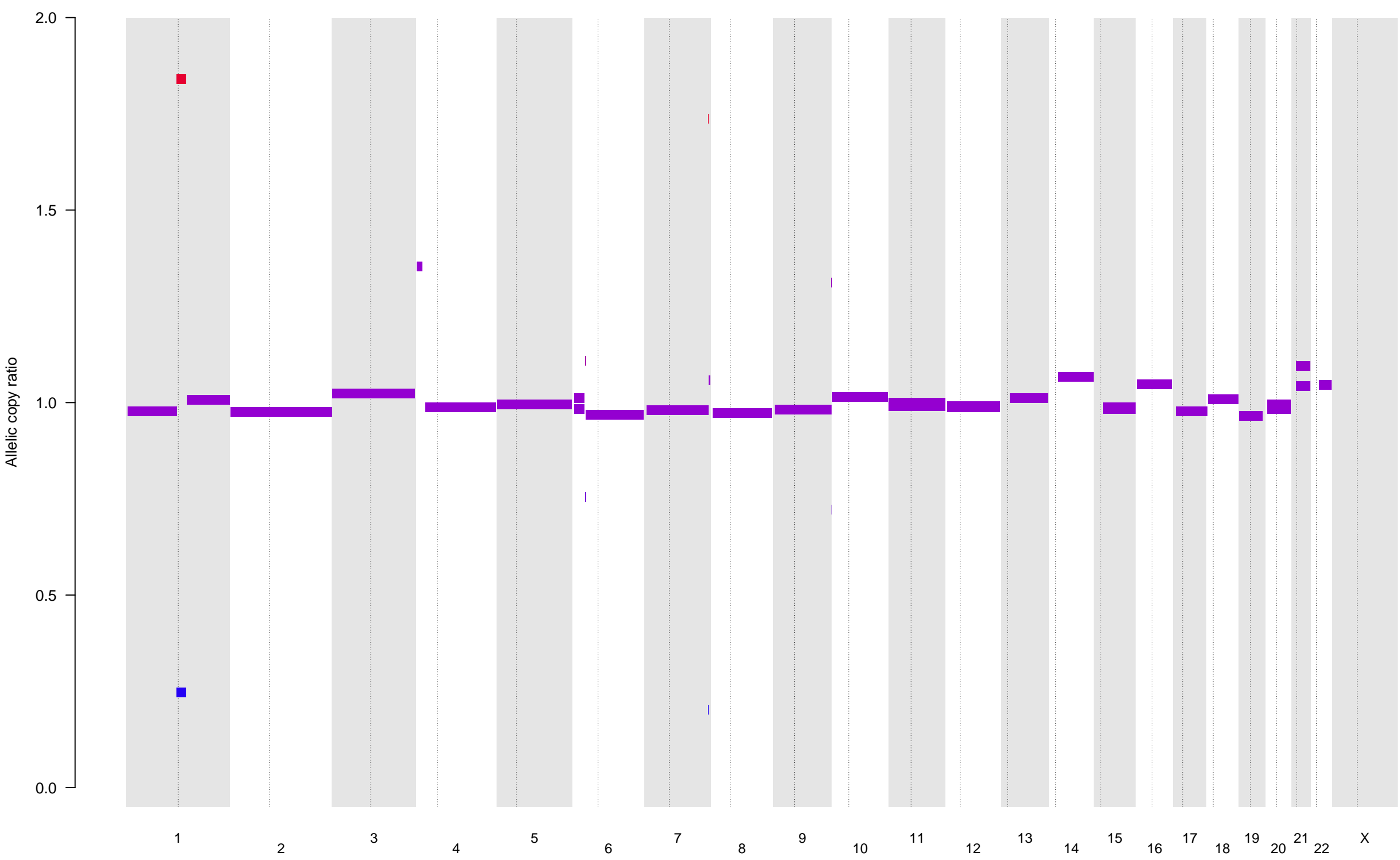
Sample 43



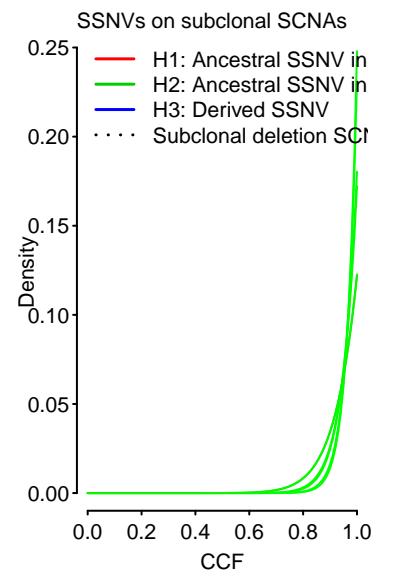
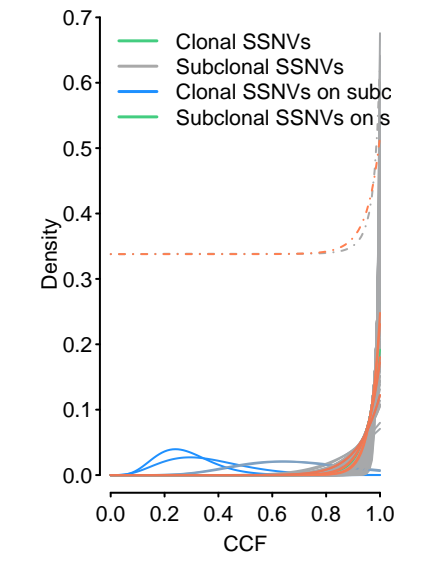
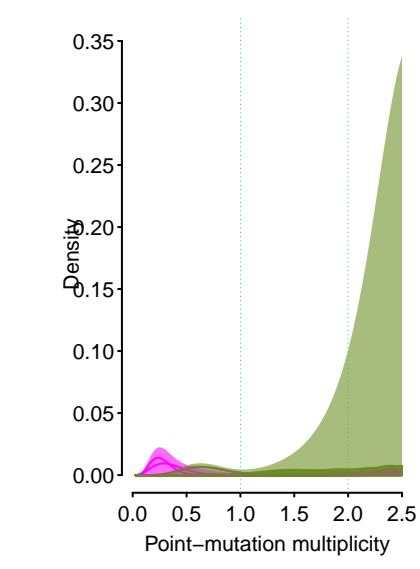
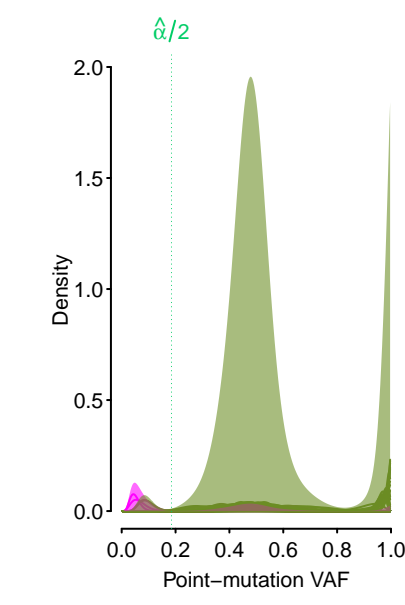
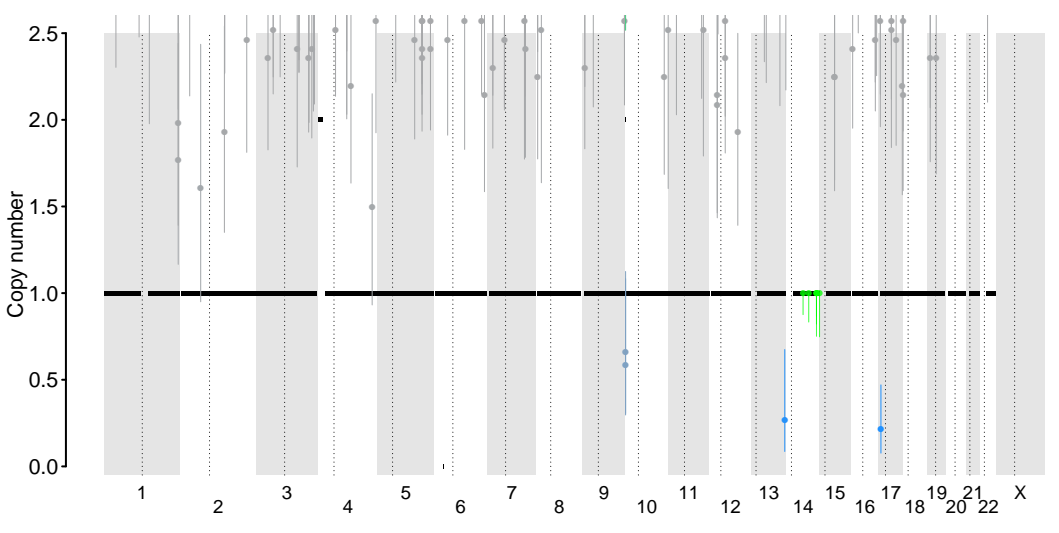
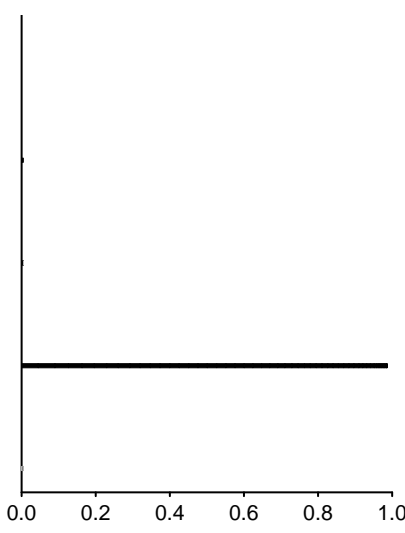
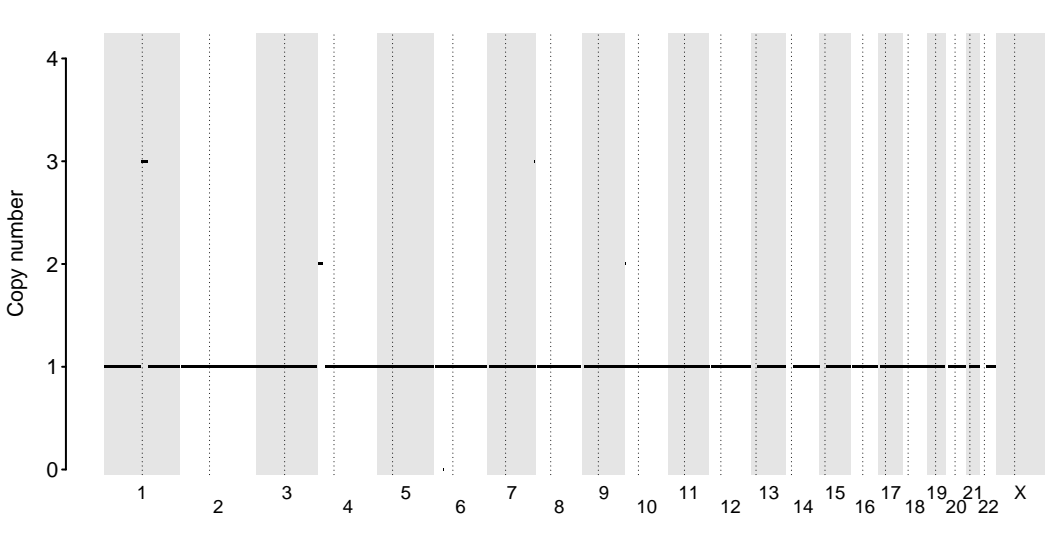
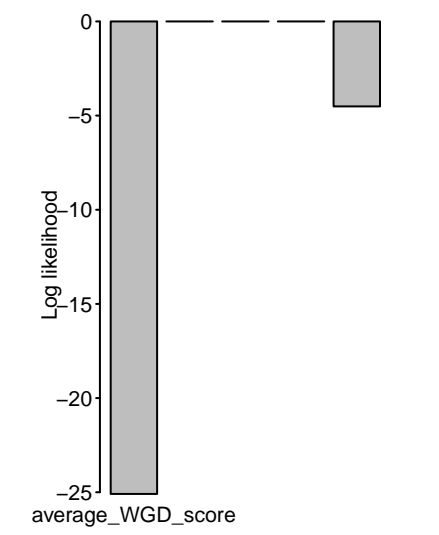
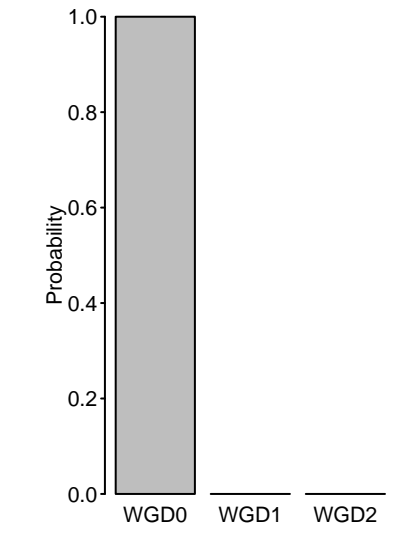
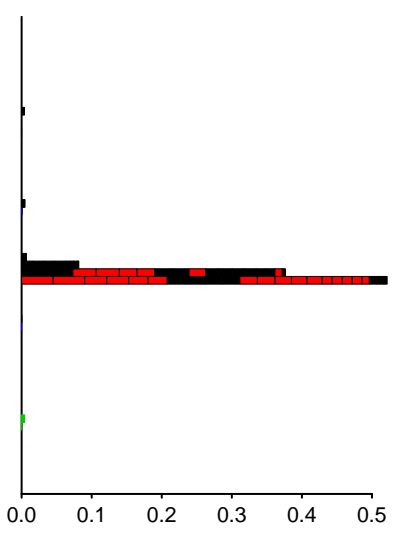
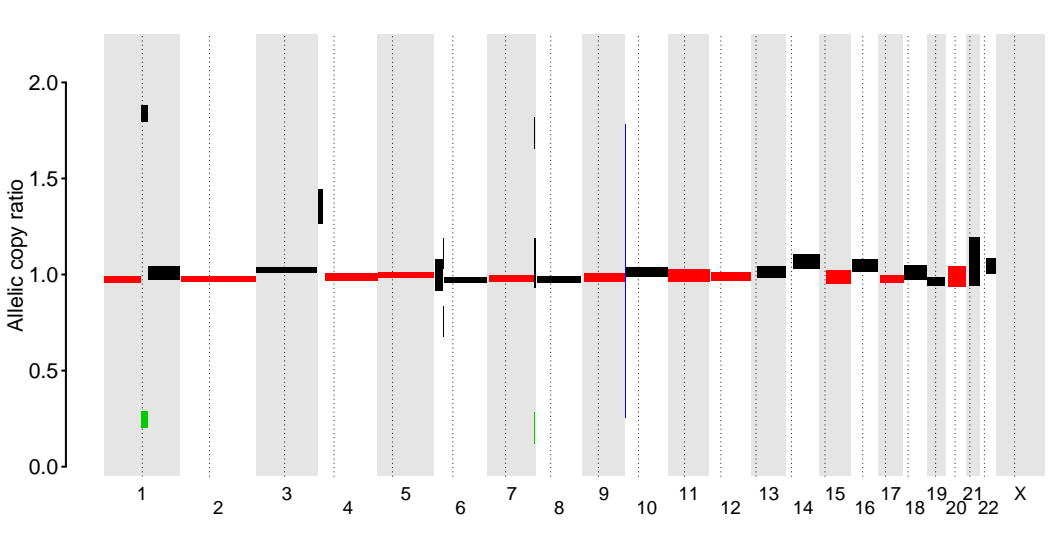
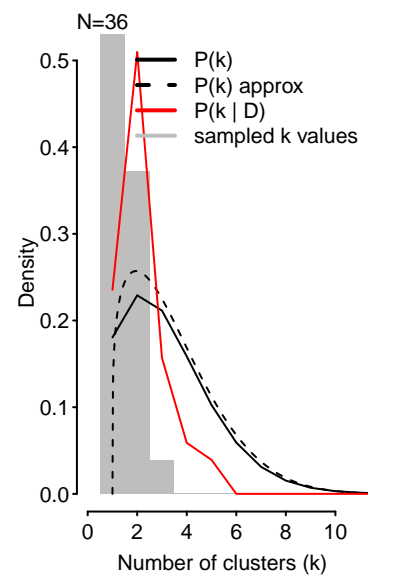
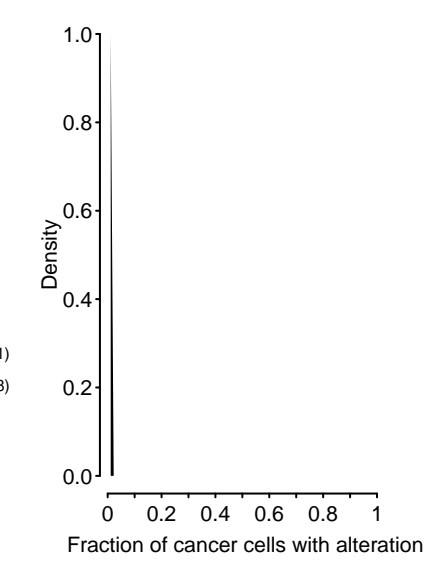
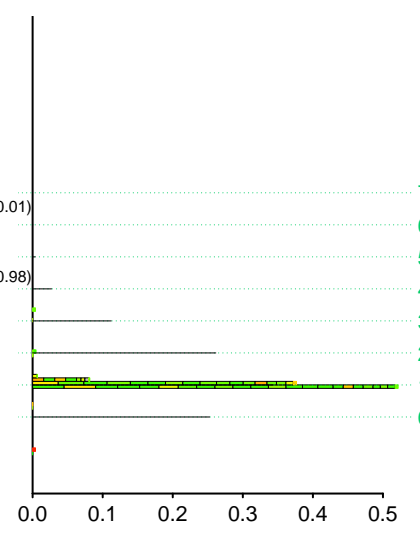
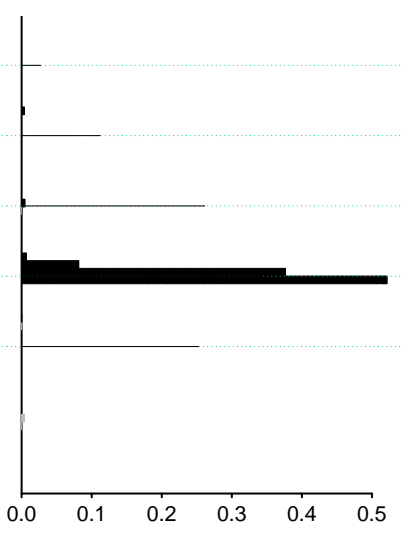
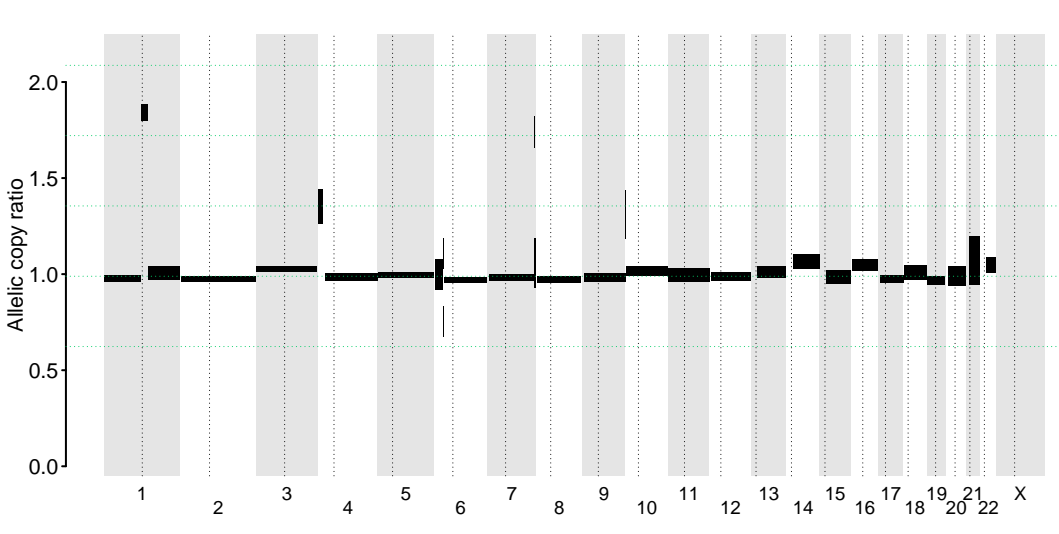
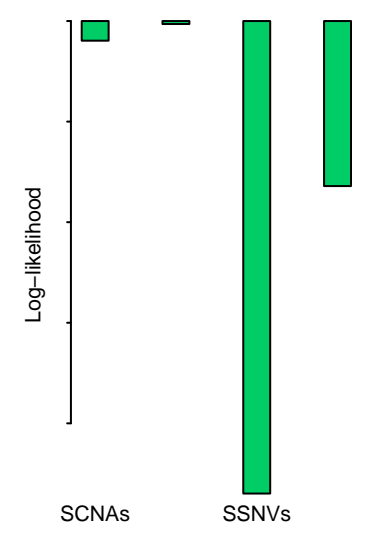
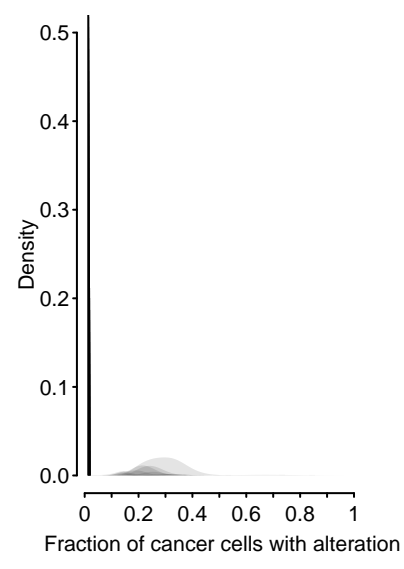
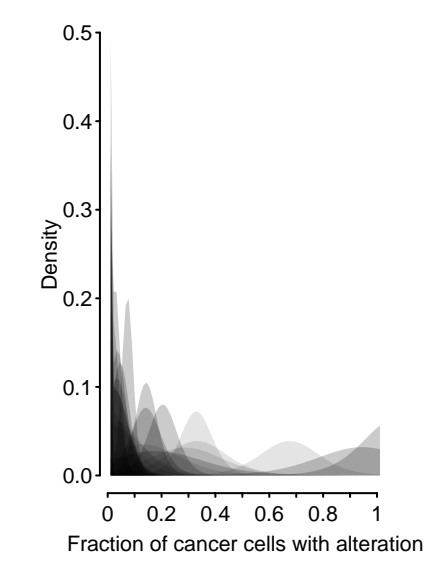
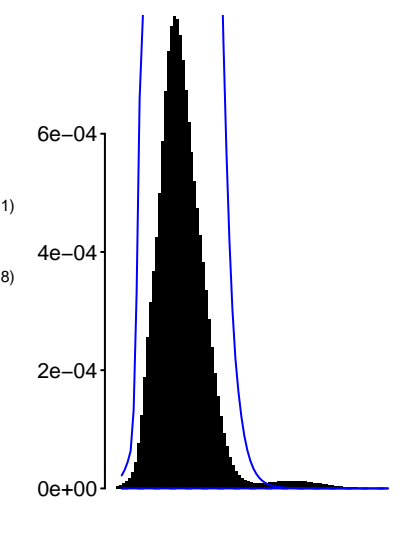
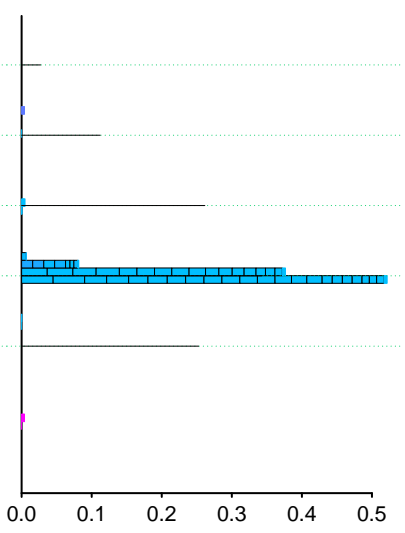
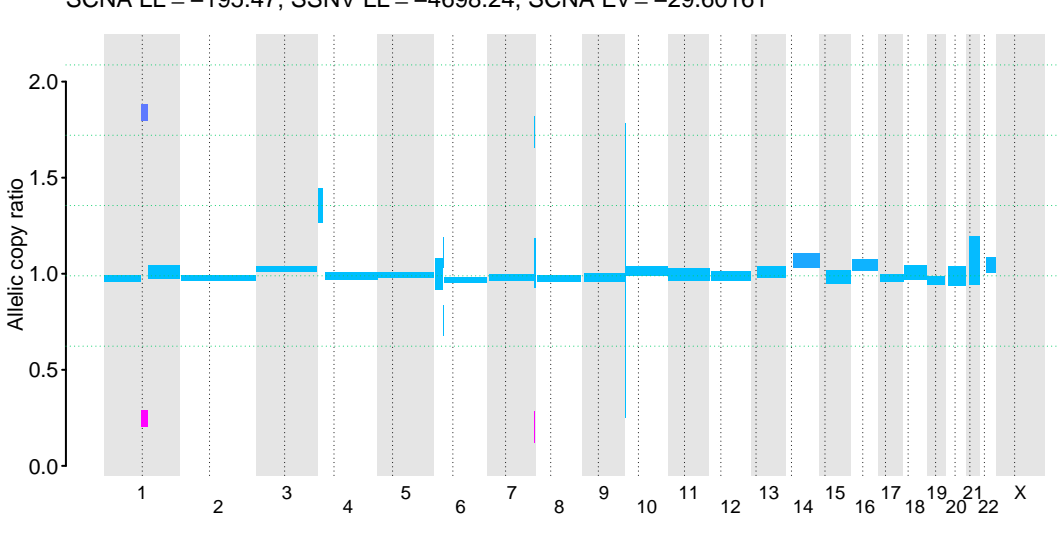
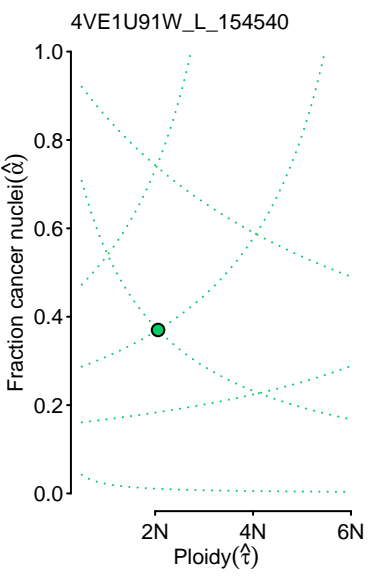
purity($\hat{\alpha}$) = 0.56, ploidy: $\hat{t} = 1.99$, $\hat{t}_g = 2.01$
 $\theta_z = 0.01$, $\theta_a = 1.226$, WGD=0
 SCNA LL = -170.3, SSNV LL = -6090.01, SCNA Ev = -29.60161



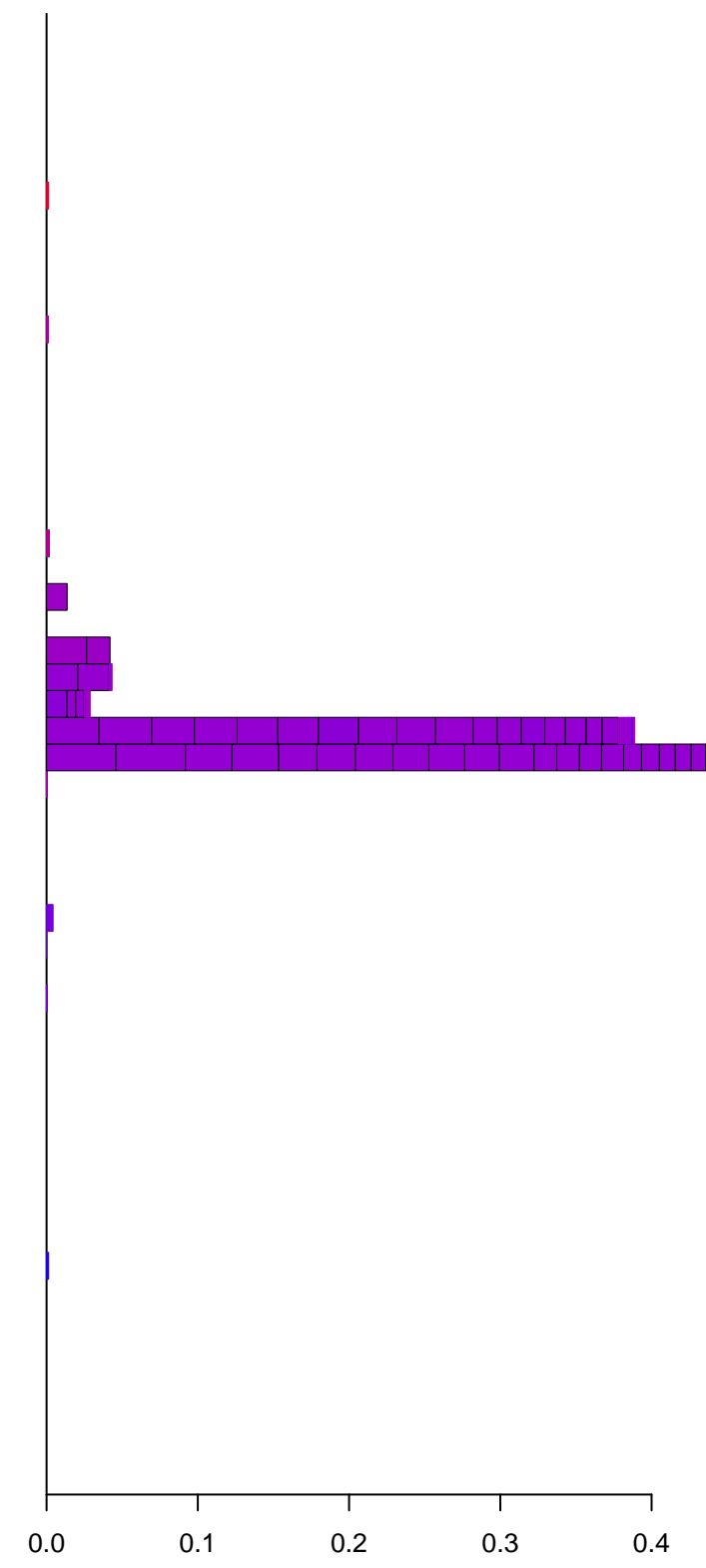
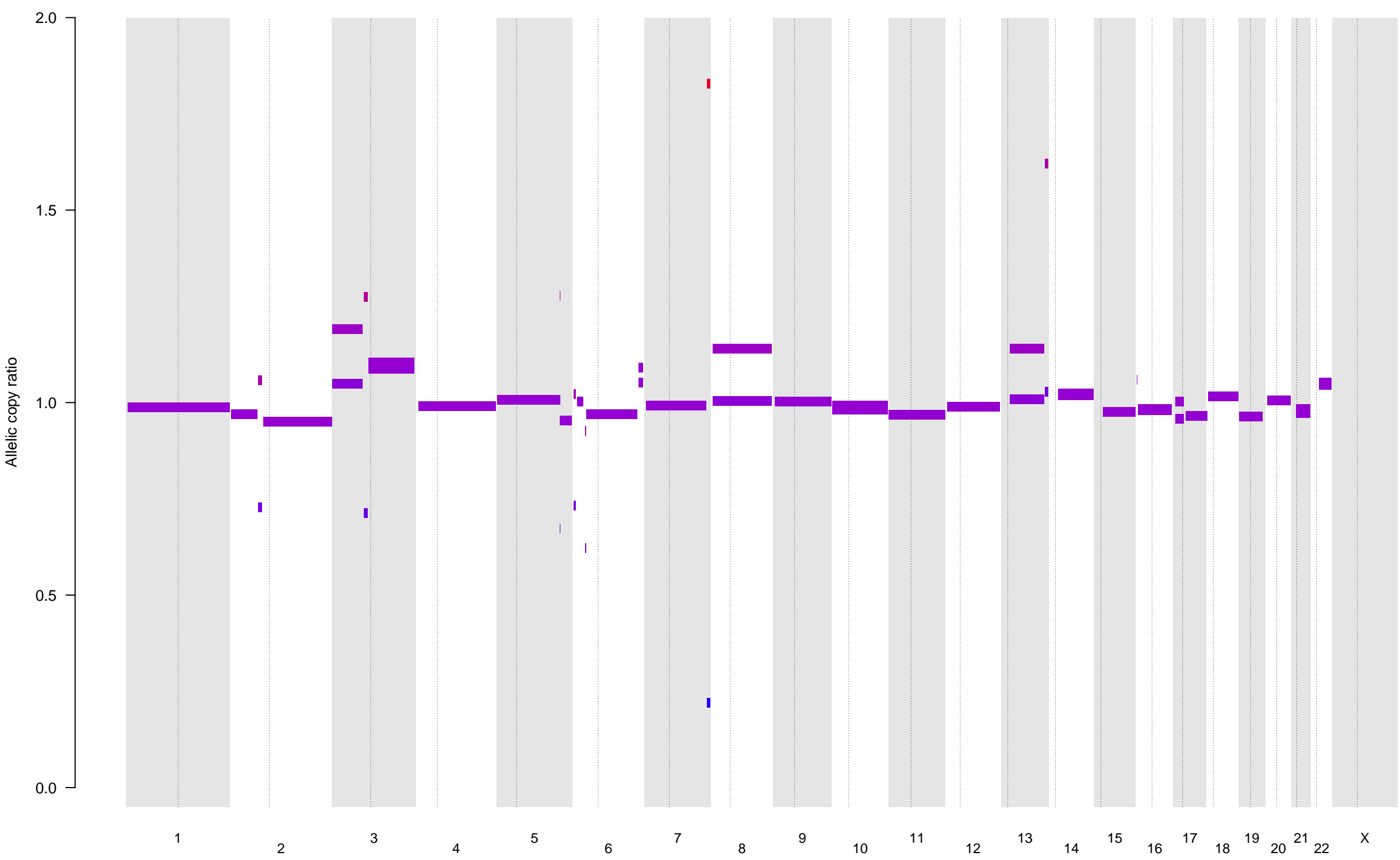
Sample 44



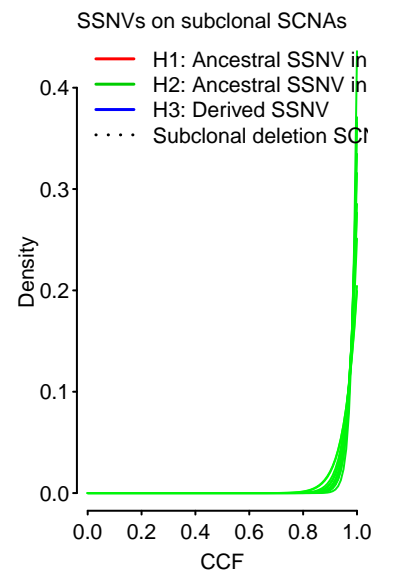
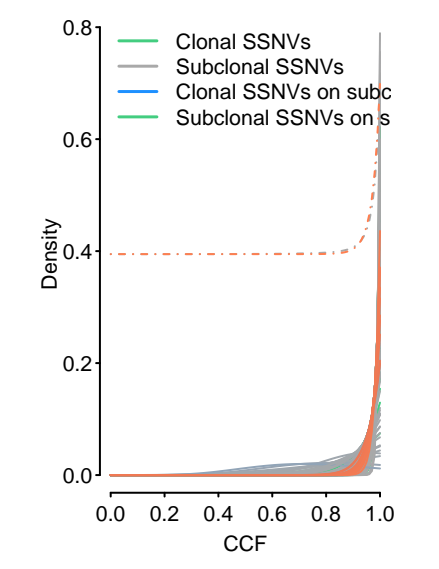
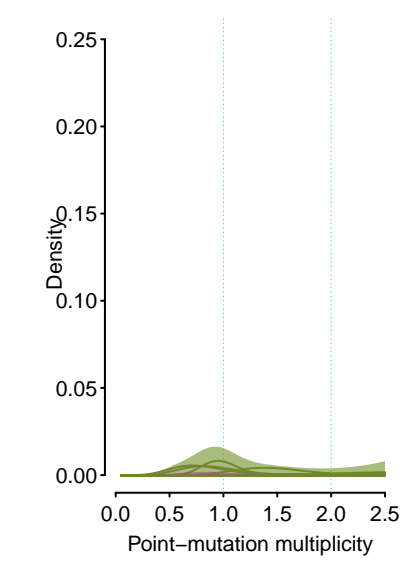
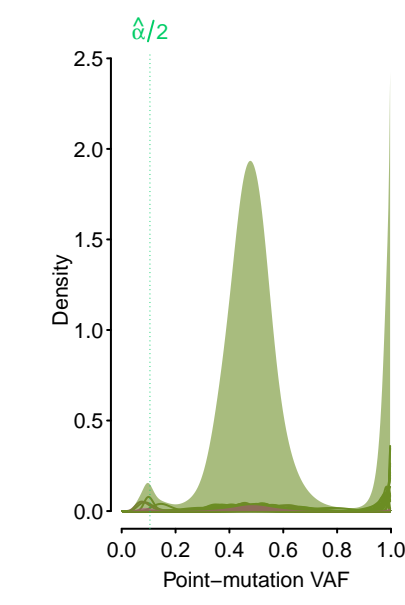
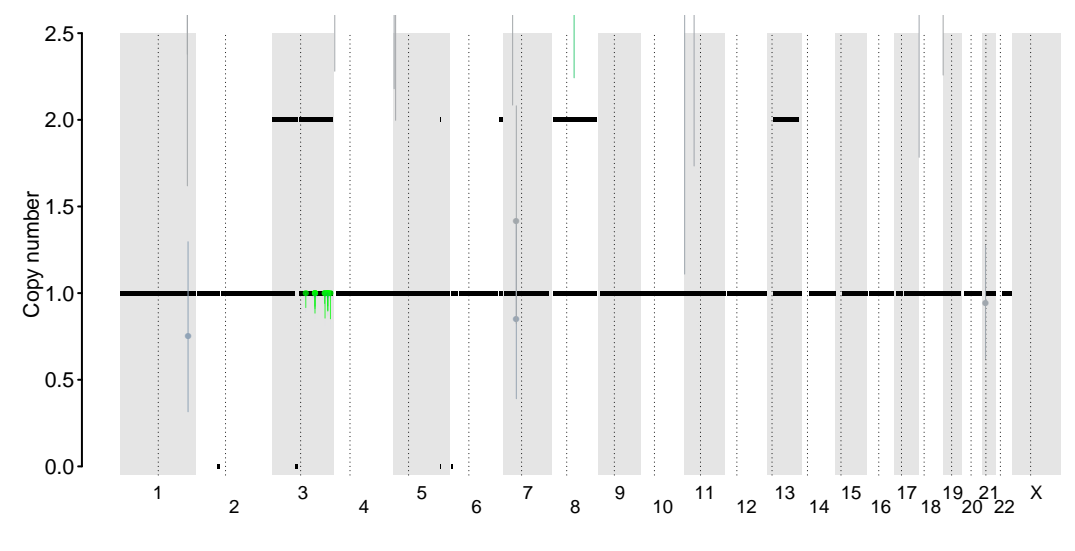
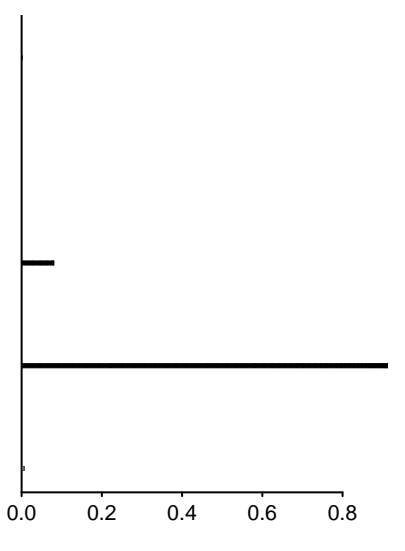
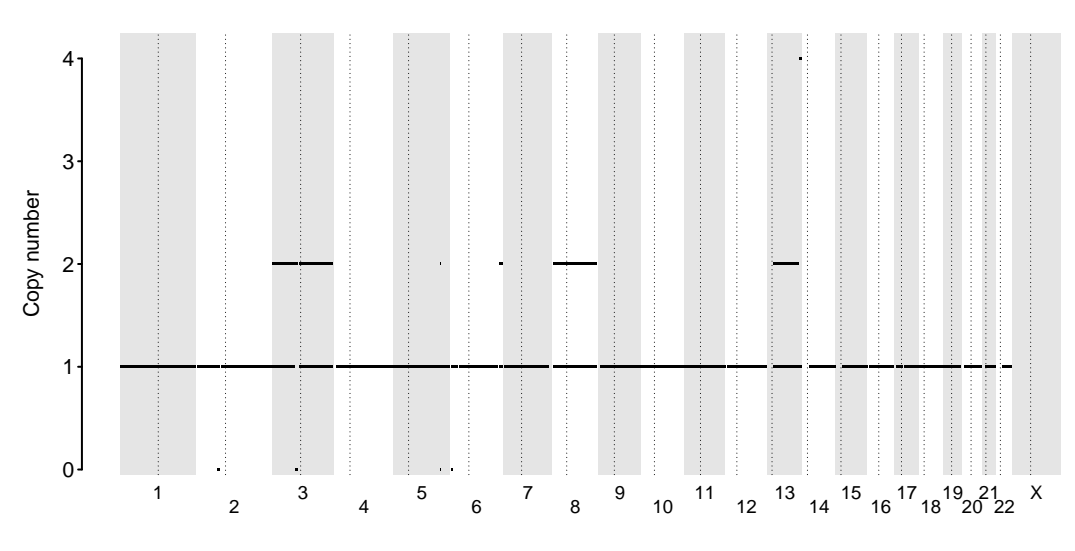
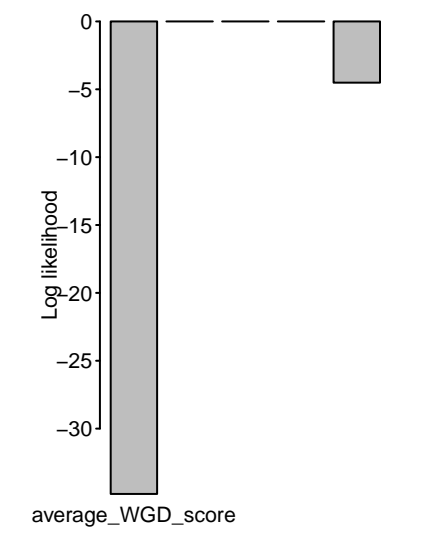
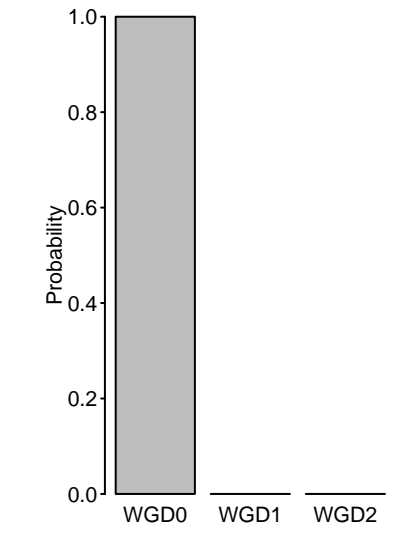
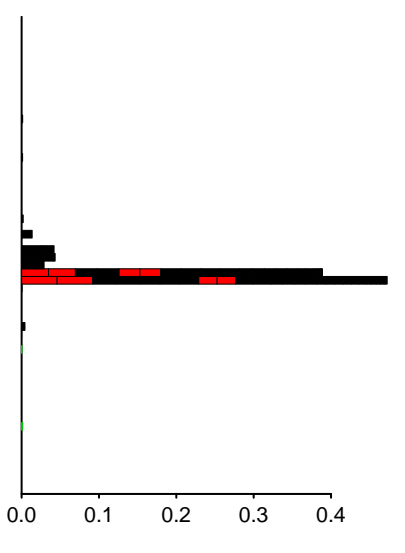
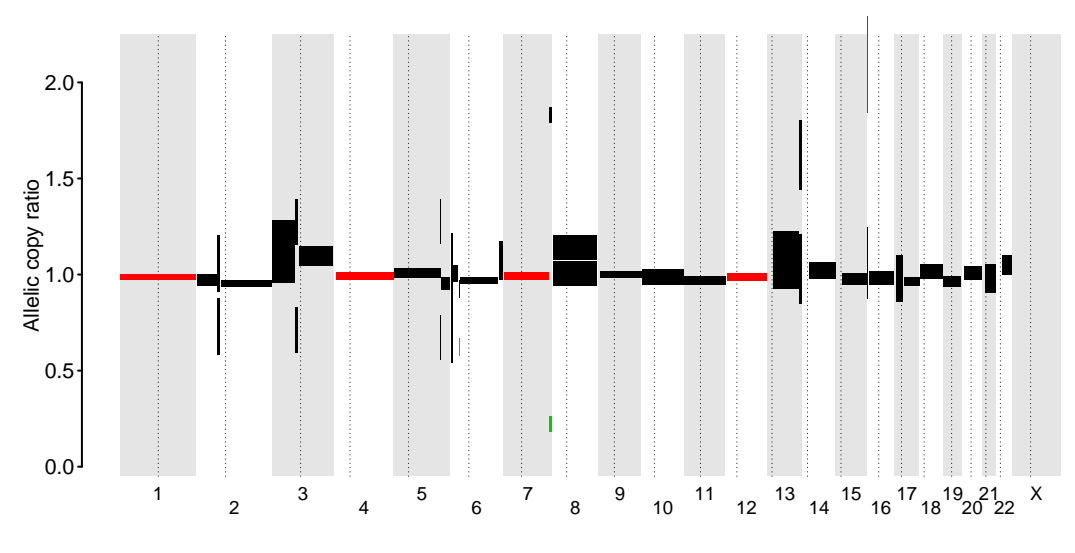
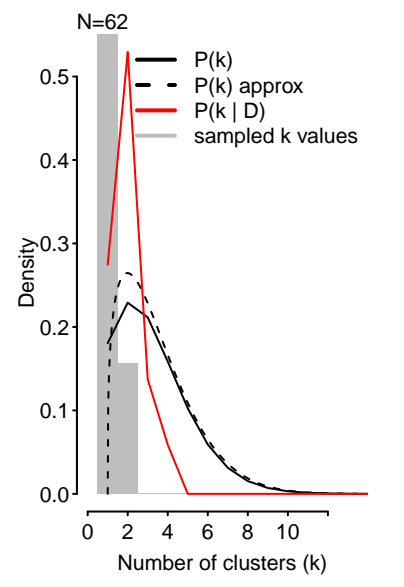
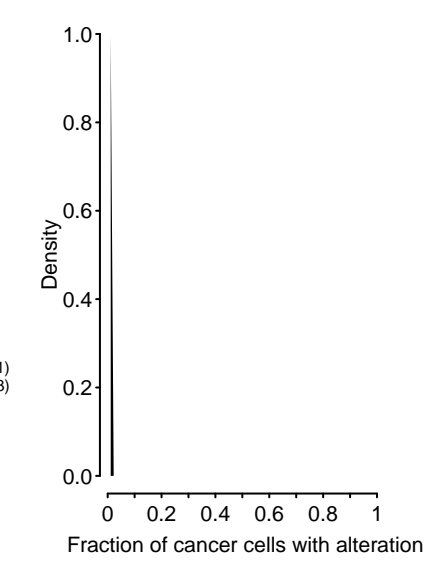
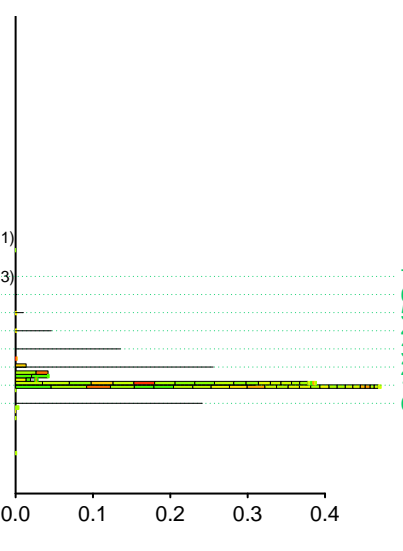
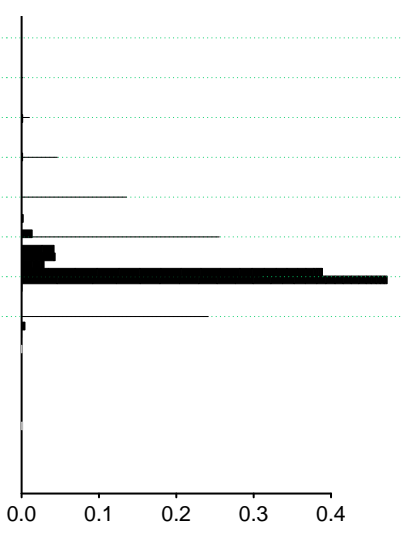
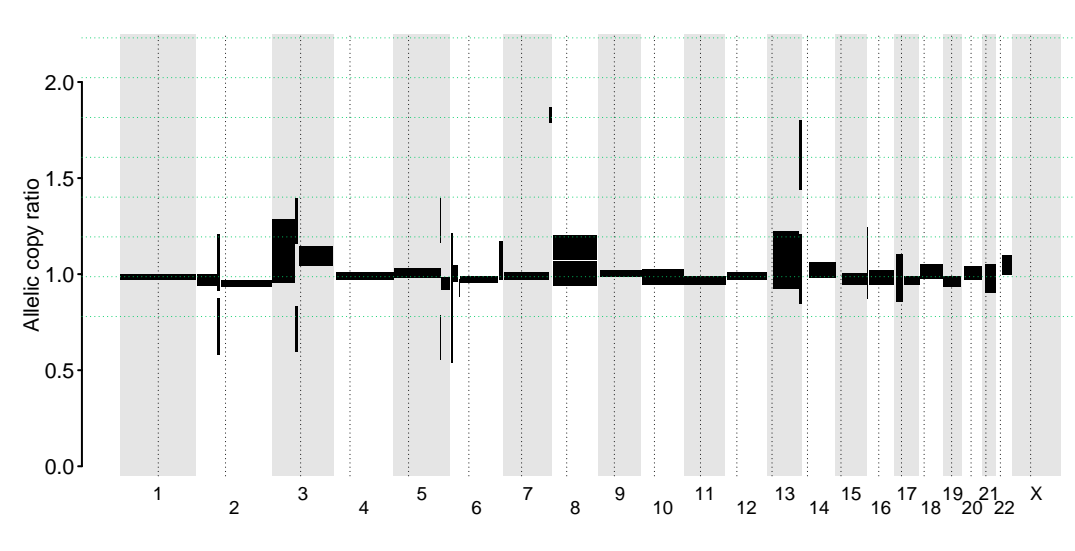
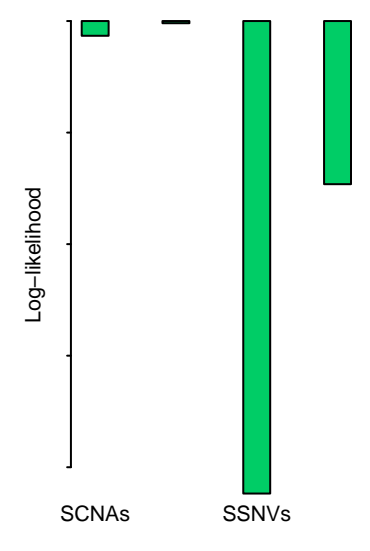
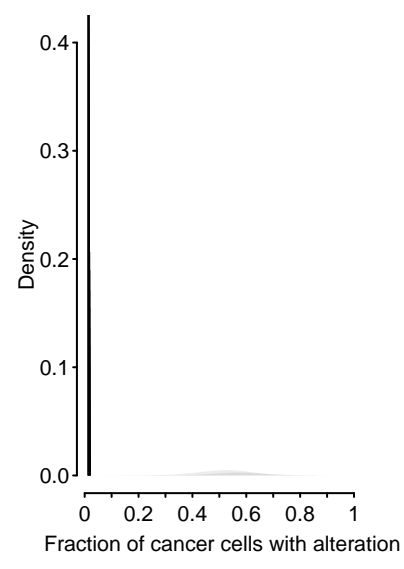
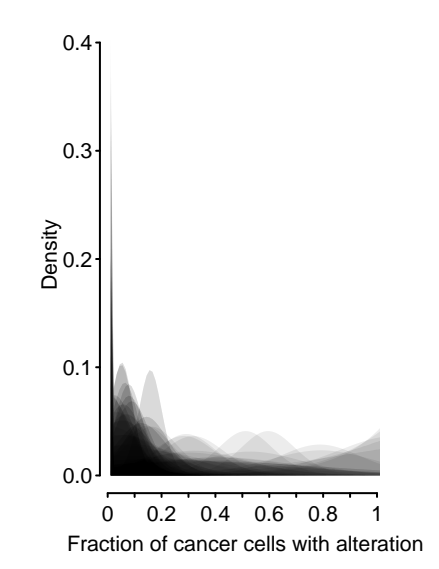
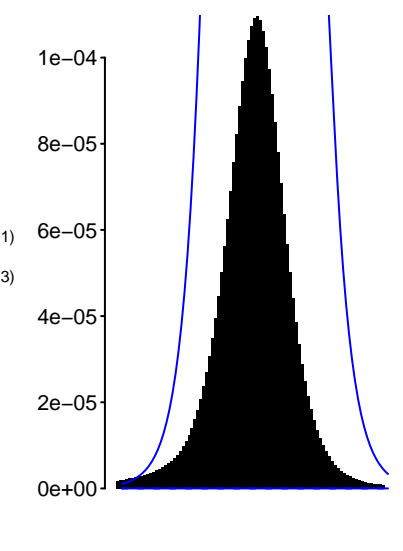
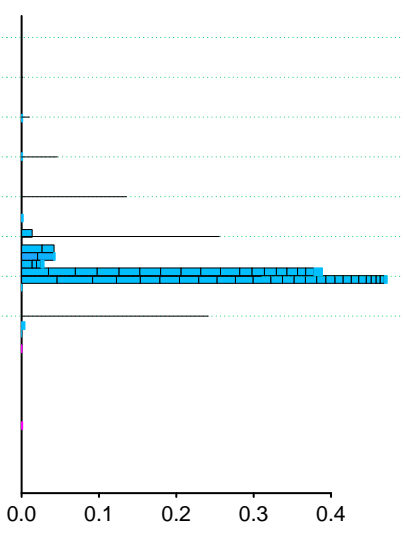
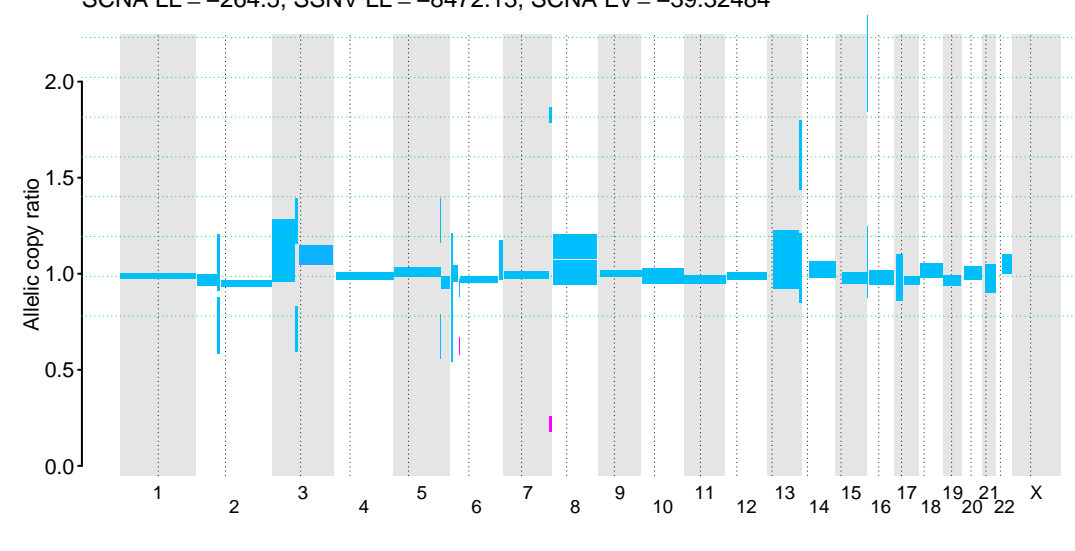
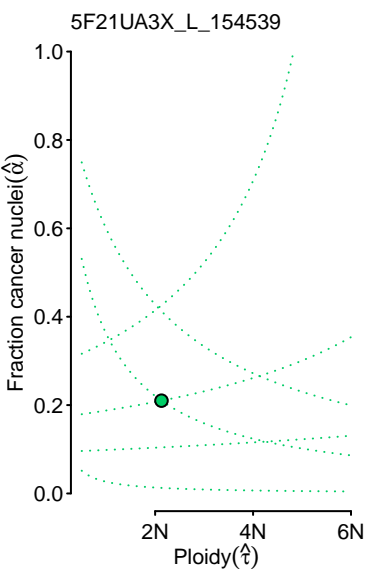
purity($\hat{\alpha}$) = 0.37, ploidy: $\hat{t} = 2.06$, $\hat{t}_g = 2.02$
 $\theta_z = 0.01$, $\theta_Q = 1.318$, WGD=0
 SCNA LL = -195.47, SSNV LL = -4698.24, SCNA Ev = -29.60161



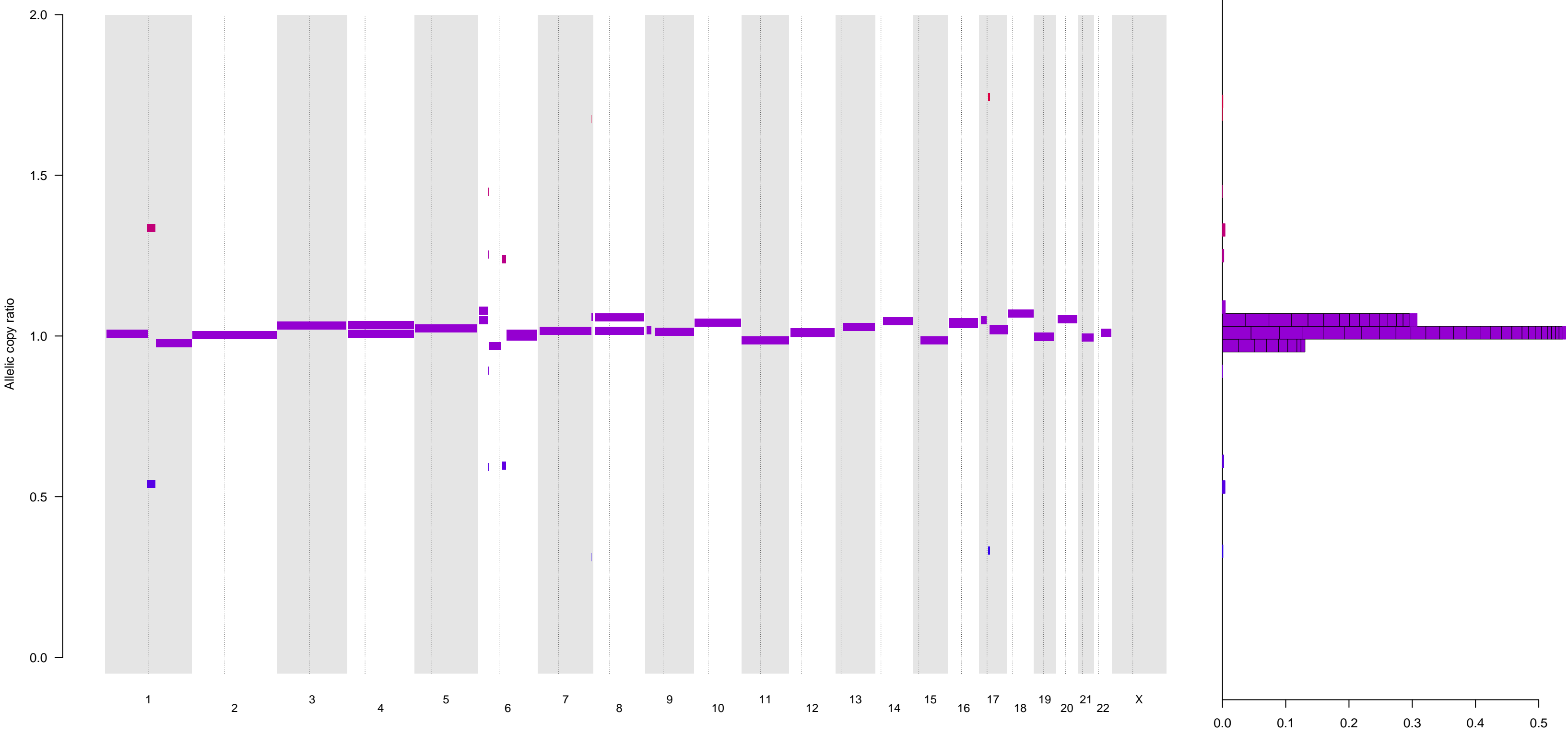
Sample 45



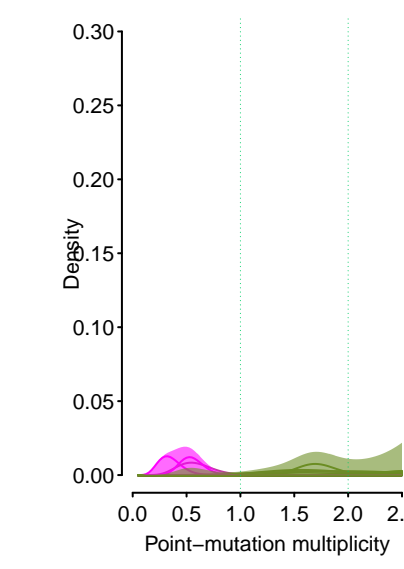
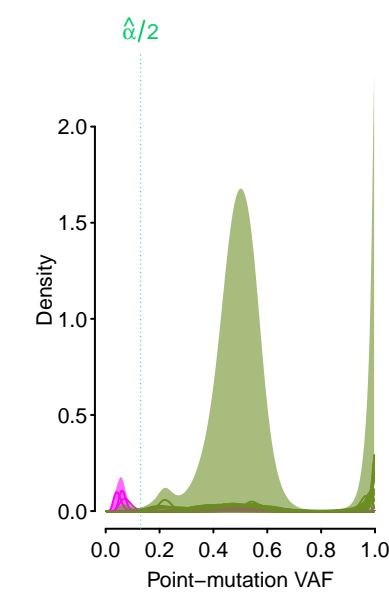
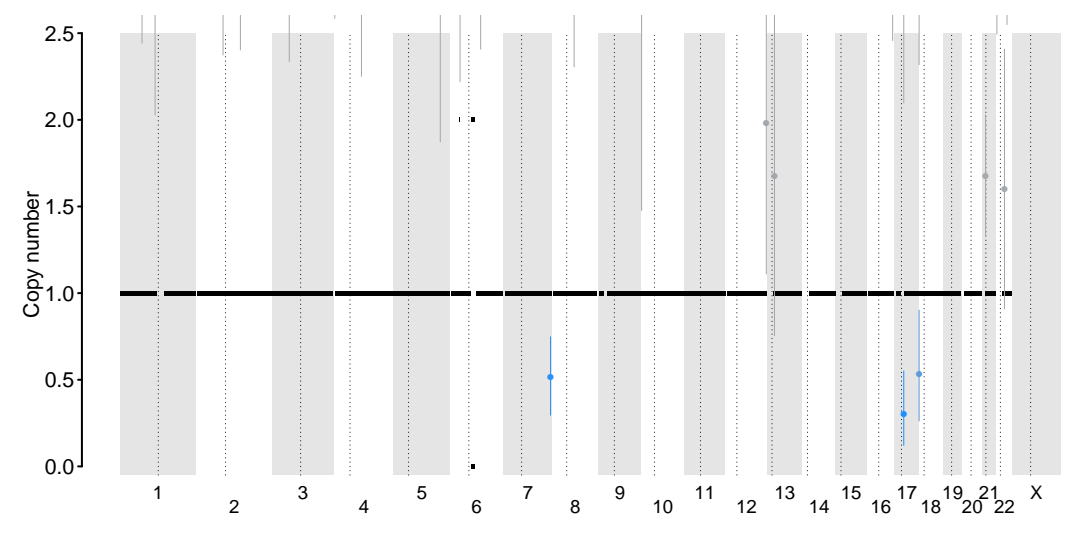
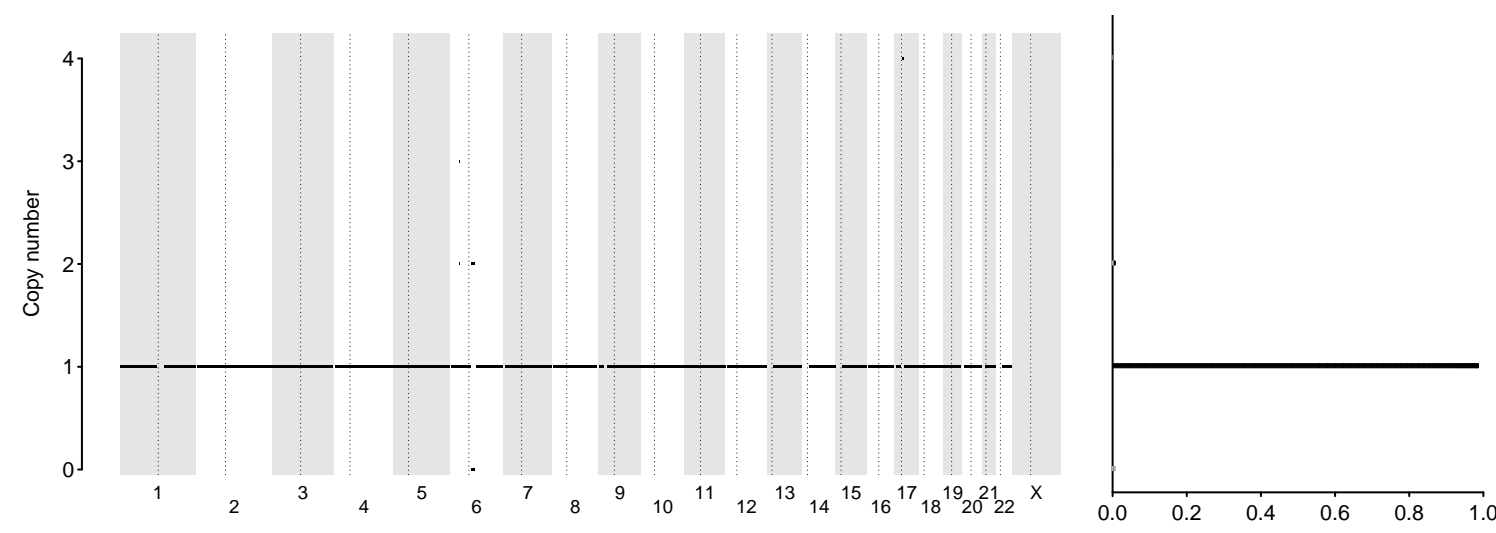
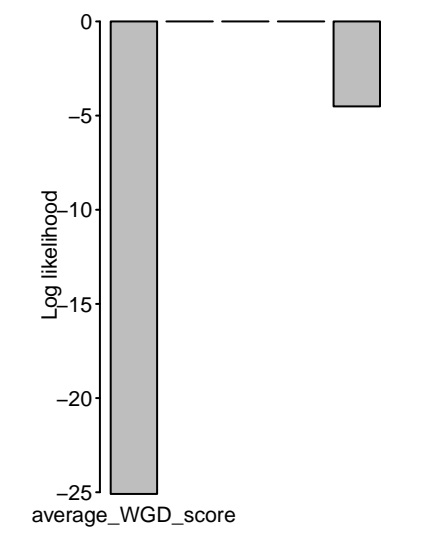
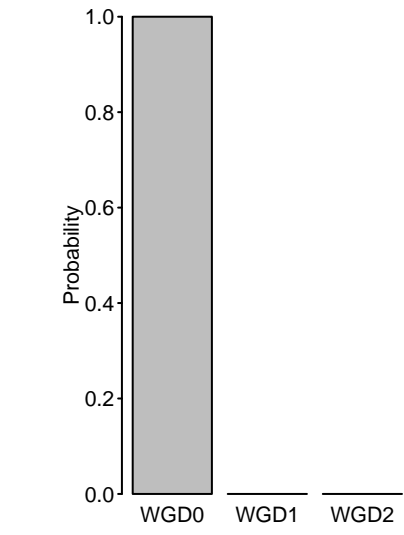
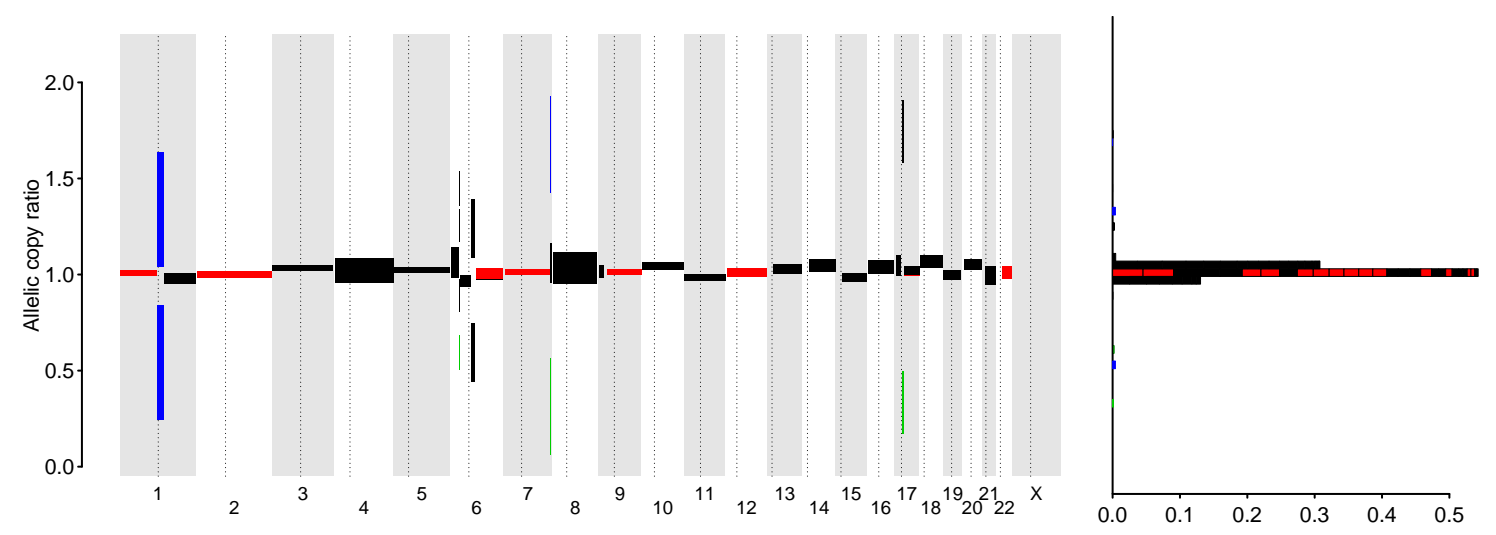
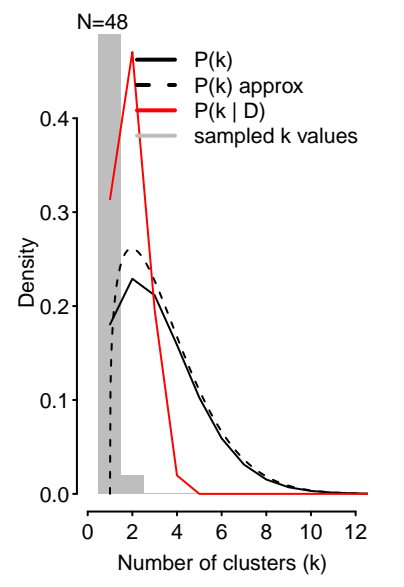
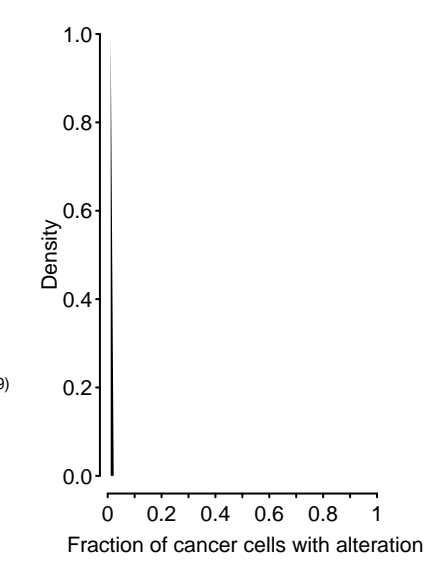
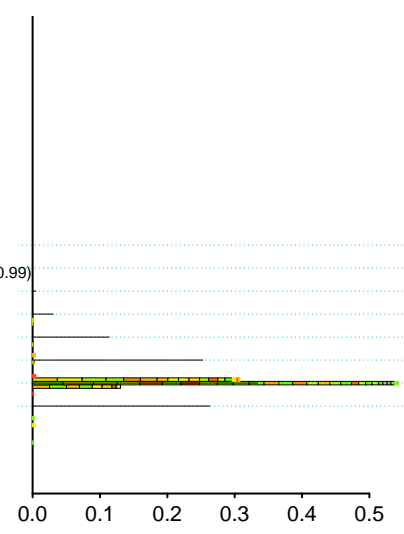
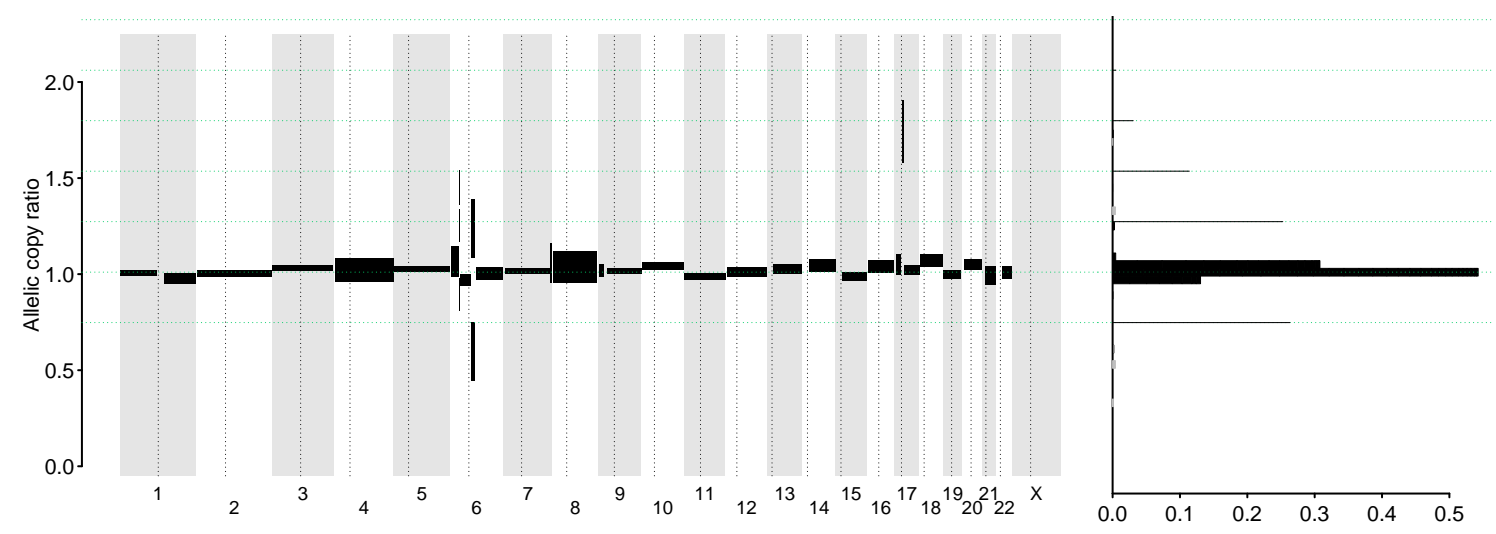
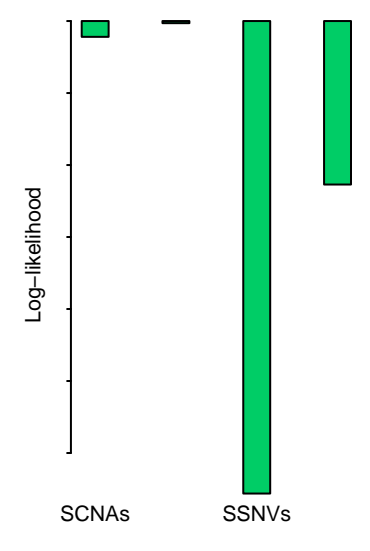
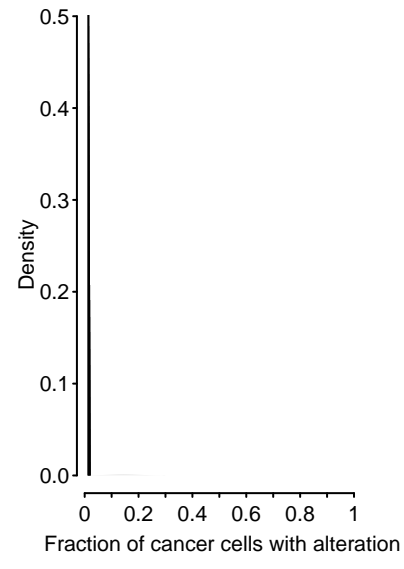
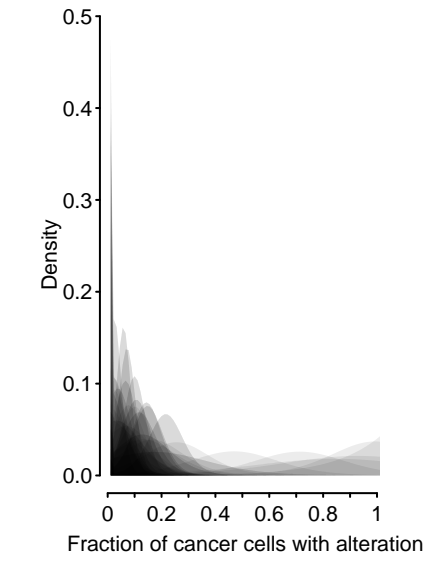
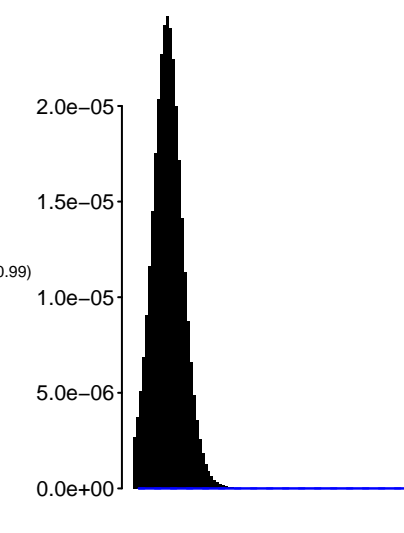
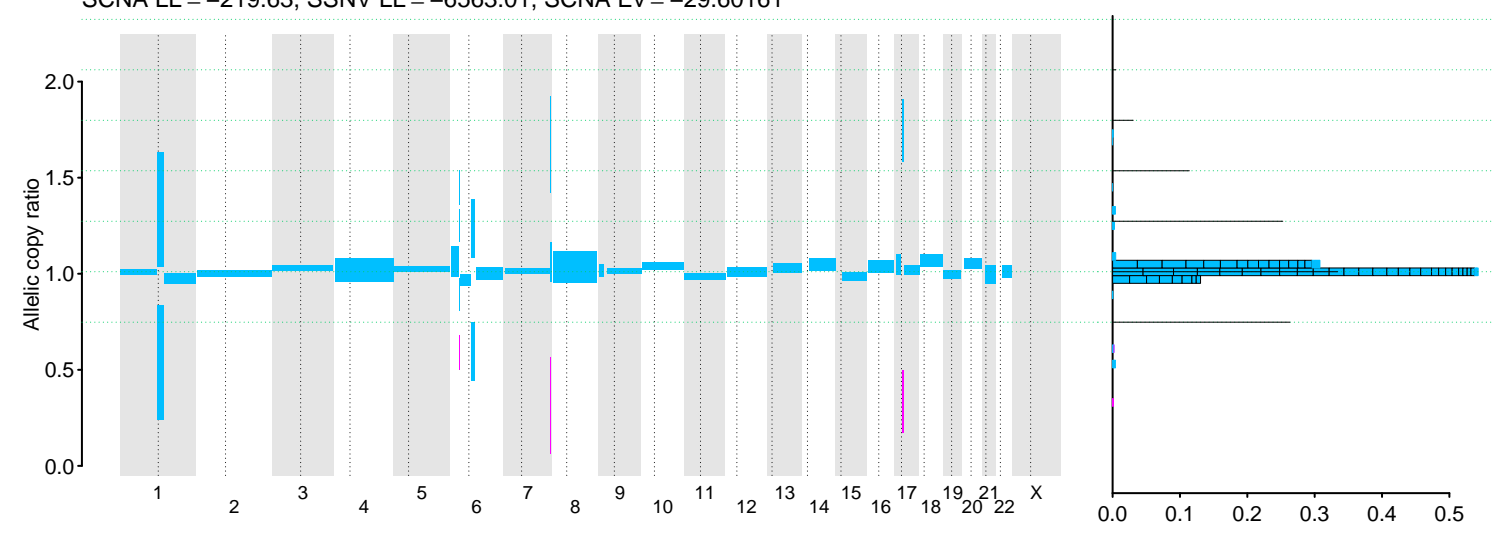
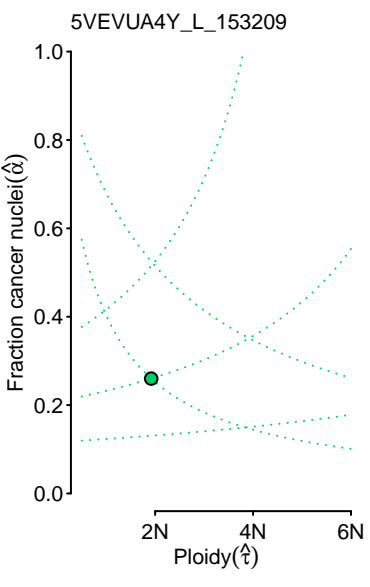
$\hat{\alpha} = 0.21$, purity: $\hat{\alpha} = 2.13$, $\hat{\alpha}_g = 2.18$
 $\theta_z = 0.01$, $\theta_a = 1.504$, WGD=0
 SCNA LL = -264.5, SSNV LL = -8472.13, SCNA Ev = -39.32484



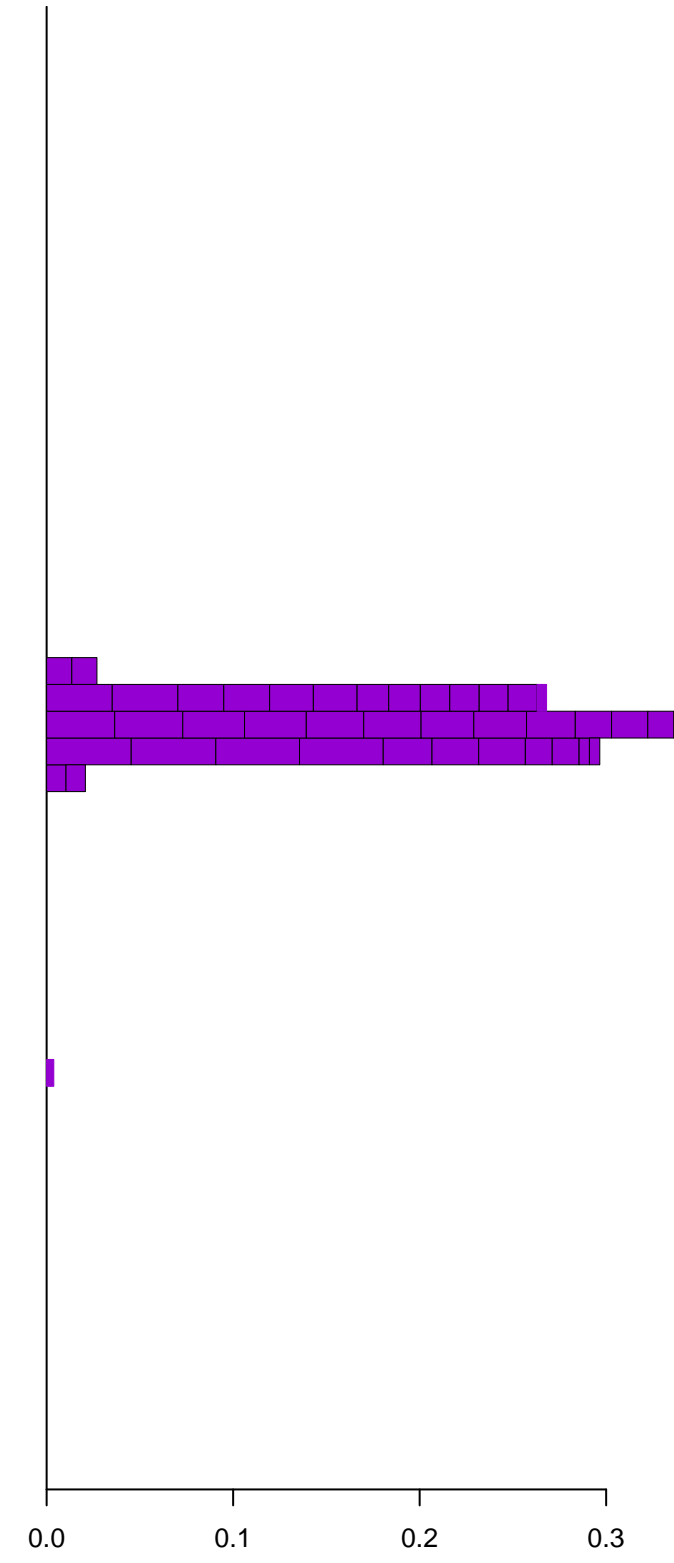
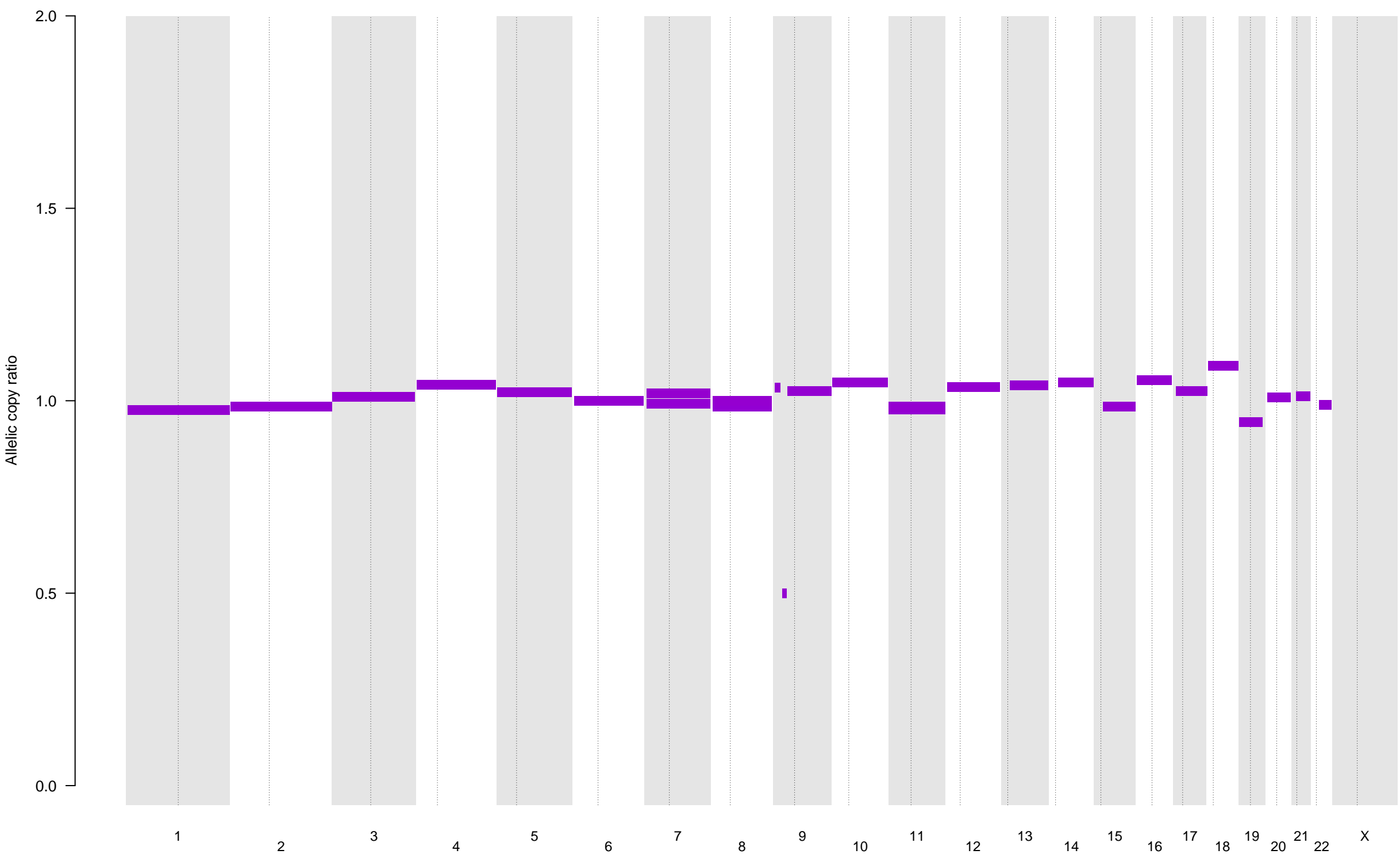
Sample 46

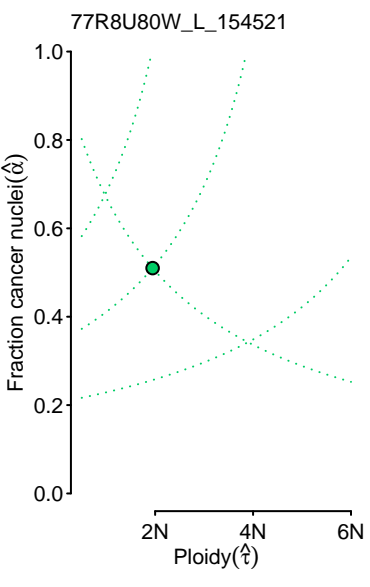


purity($\hat{\alpha}$) = 0.26, ploidy: $\hat{\tau} = 1.92$, $\hat{\tau}_g = 2$
 $\theta_z = 0$, $\theta_0 = 1.39$, WGD=0
 SCNA LL = -219.63, SSNV LL = -6563.01, SCNA Ev = -29.60161

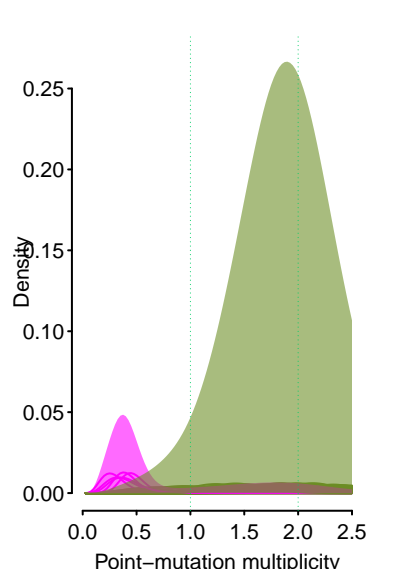
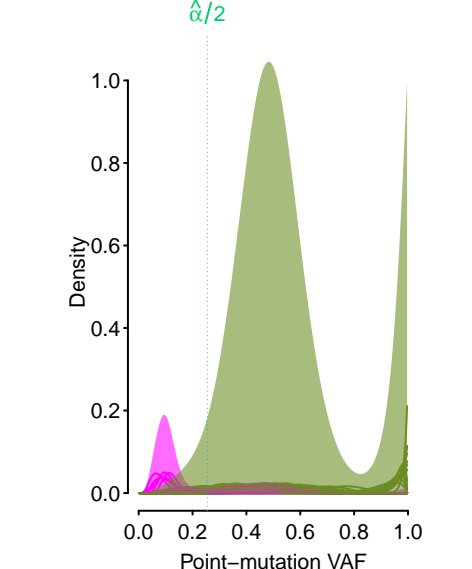
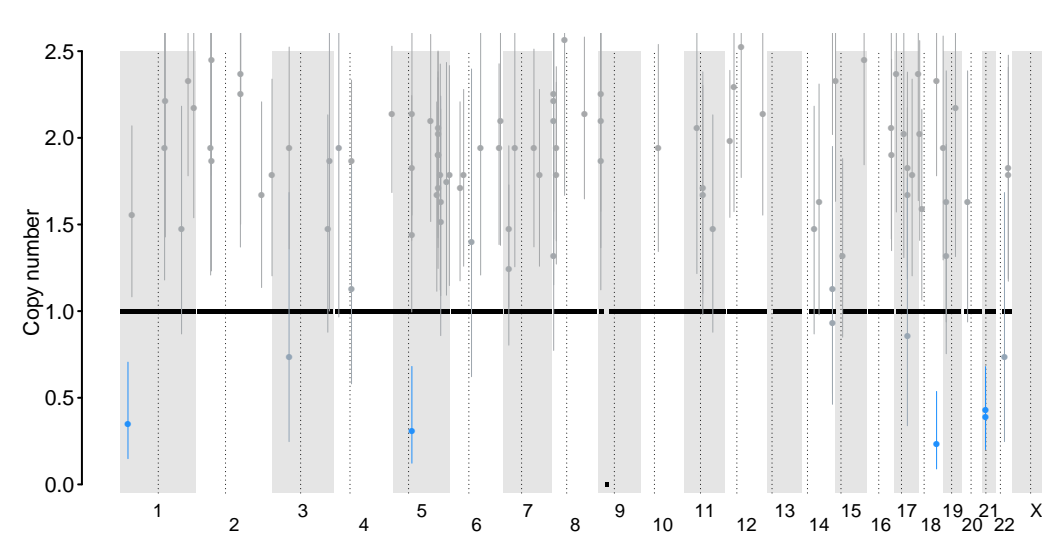
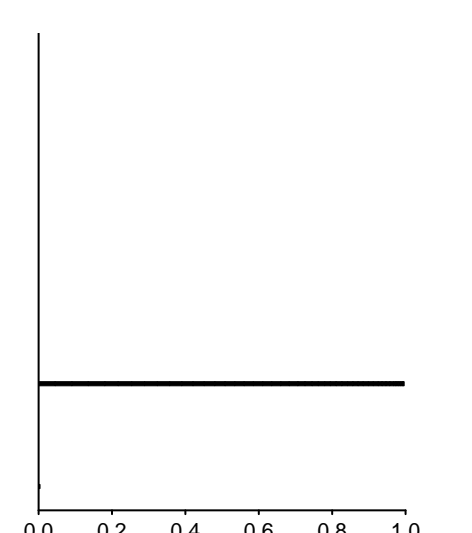
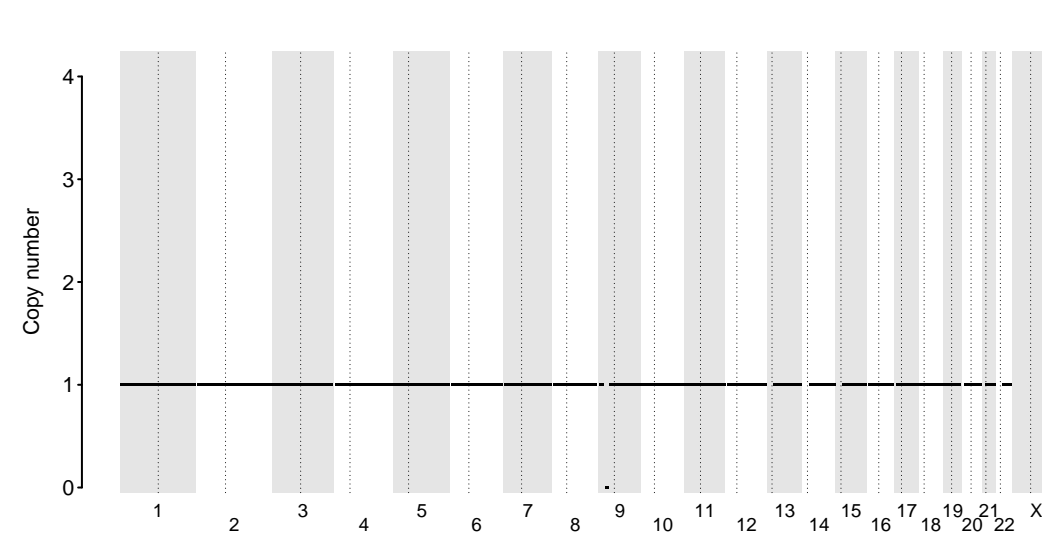
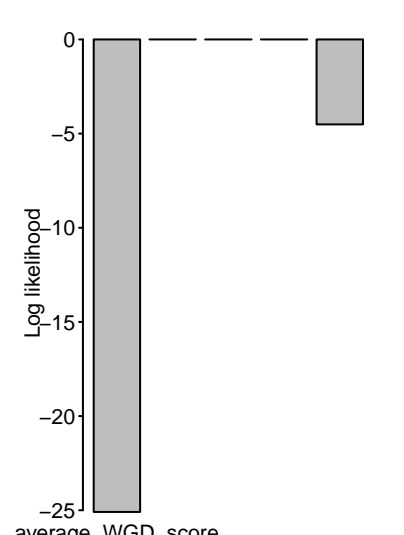
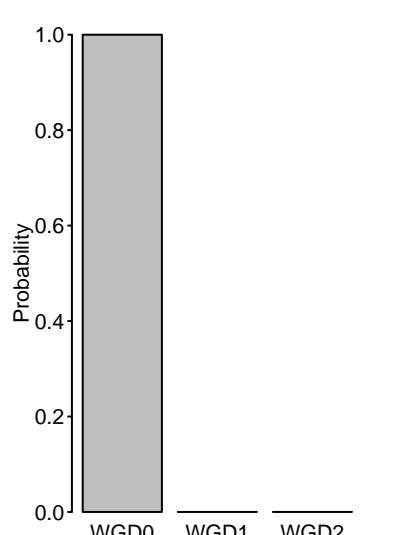
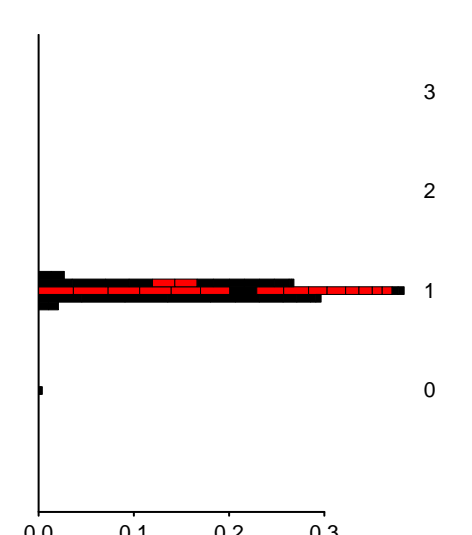
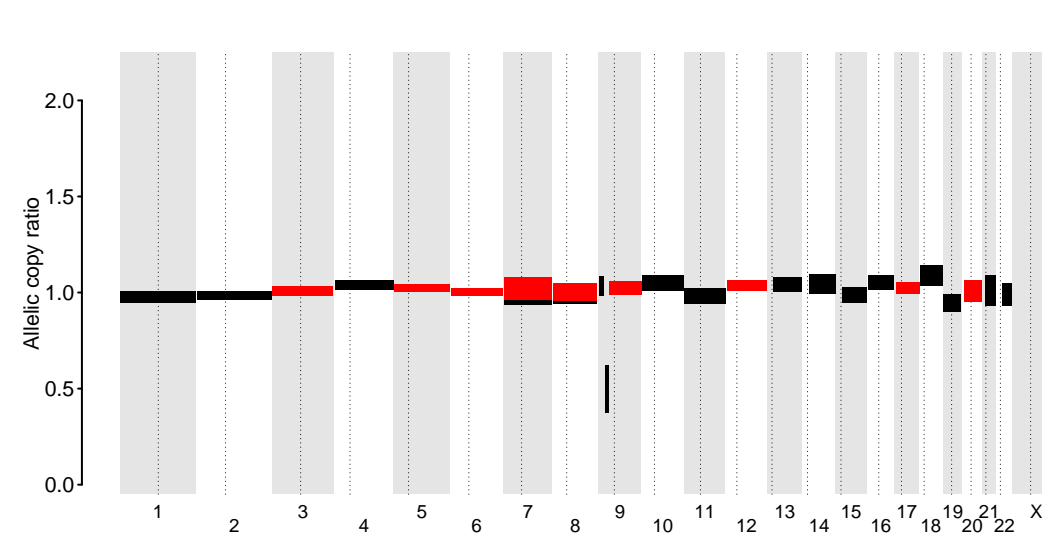
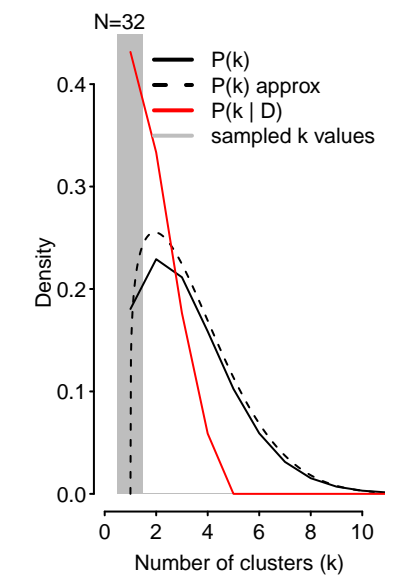
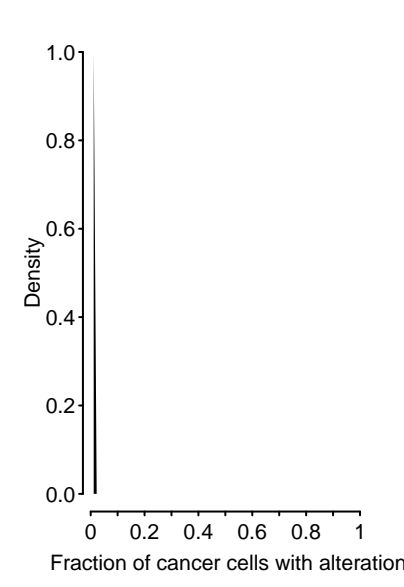
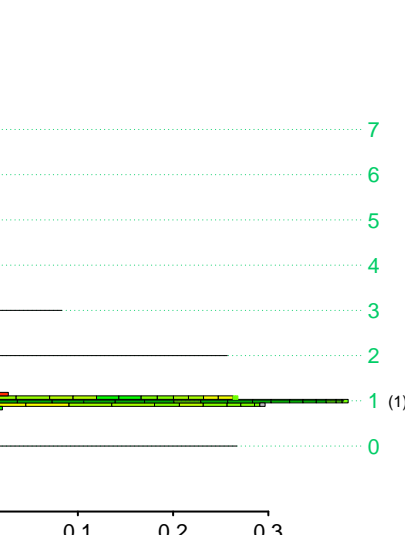
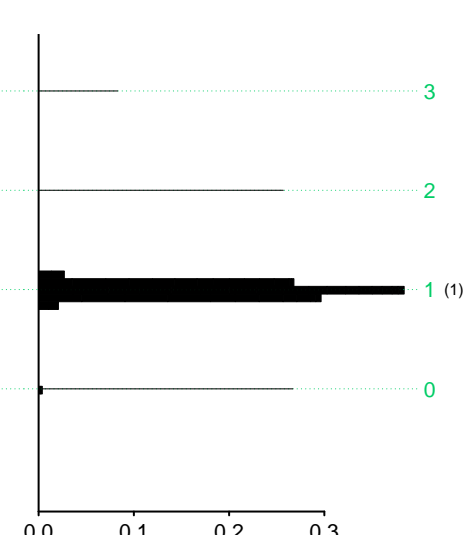
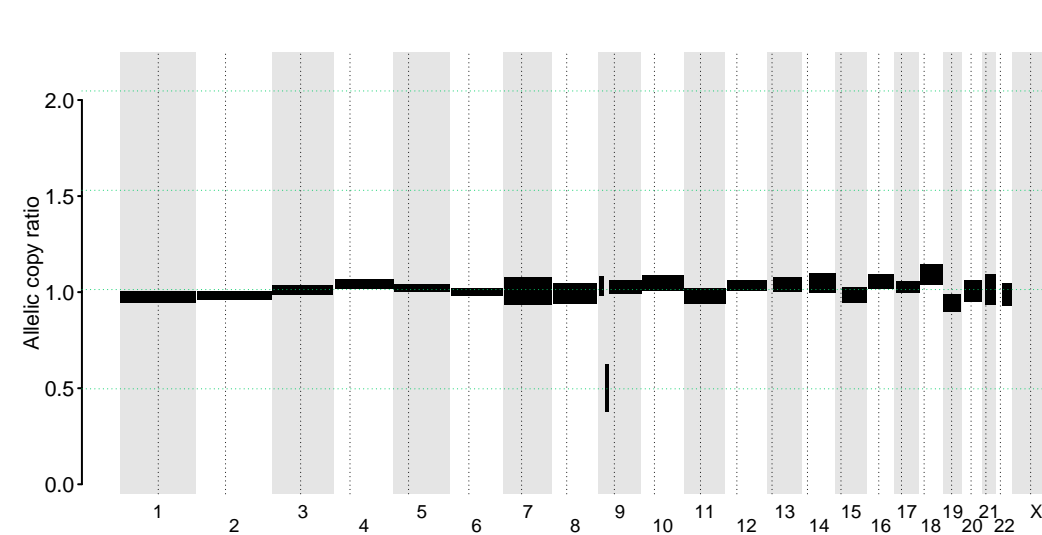
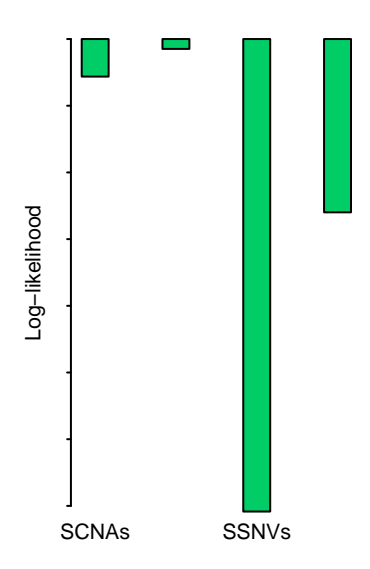
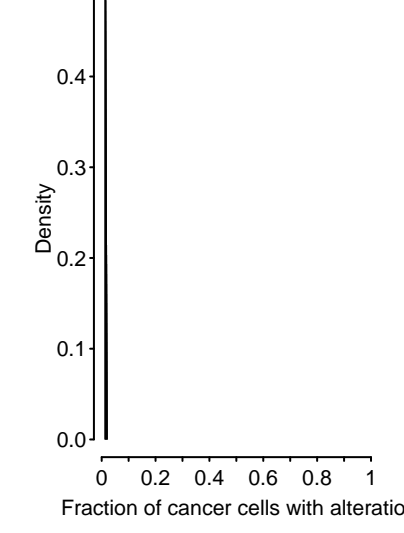
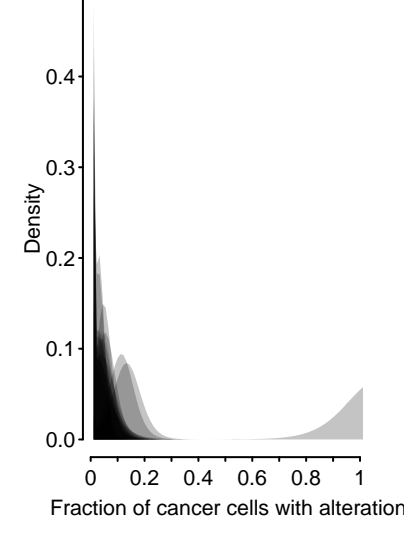
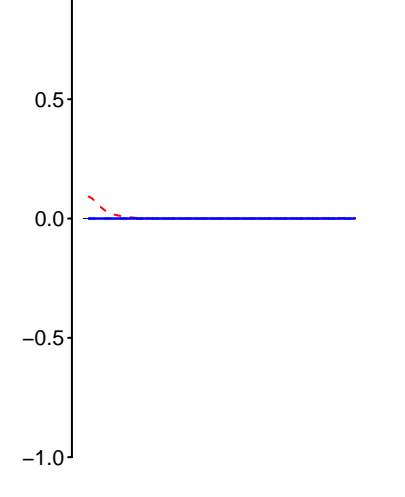
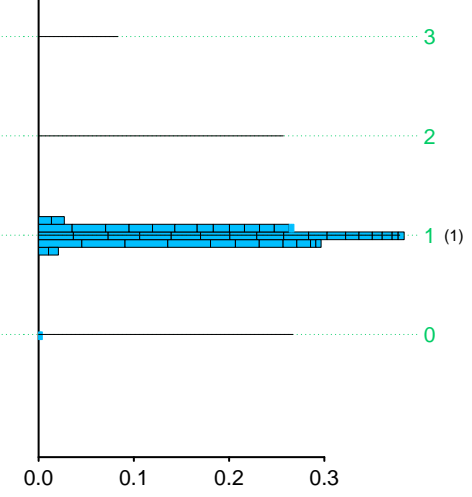
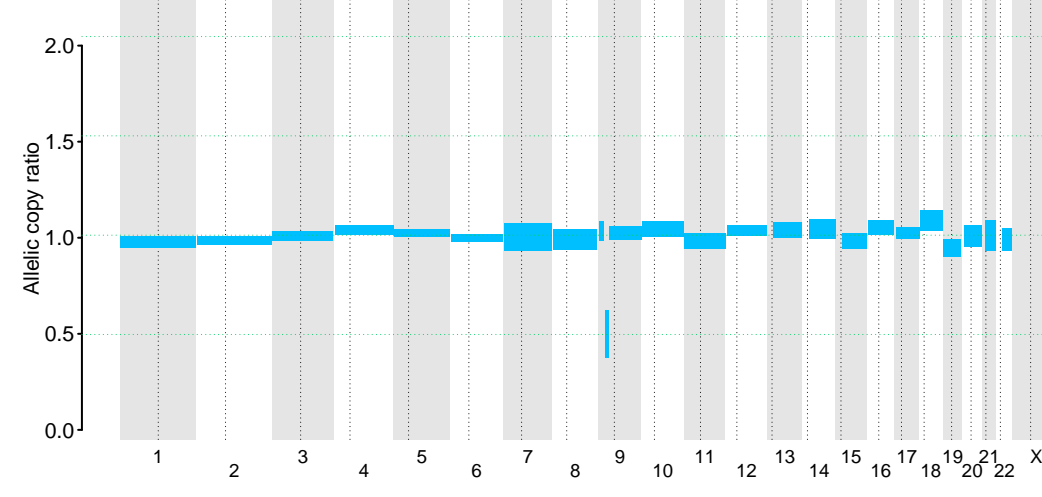


Sample 47

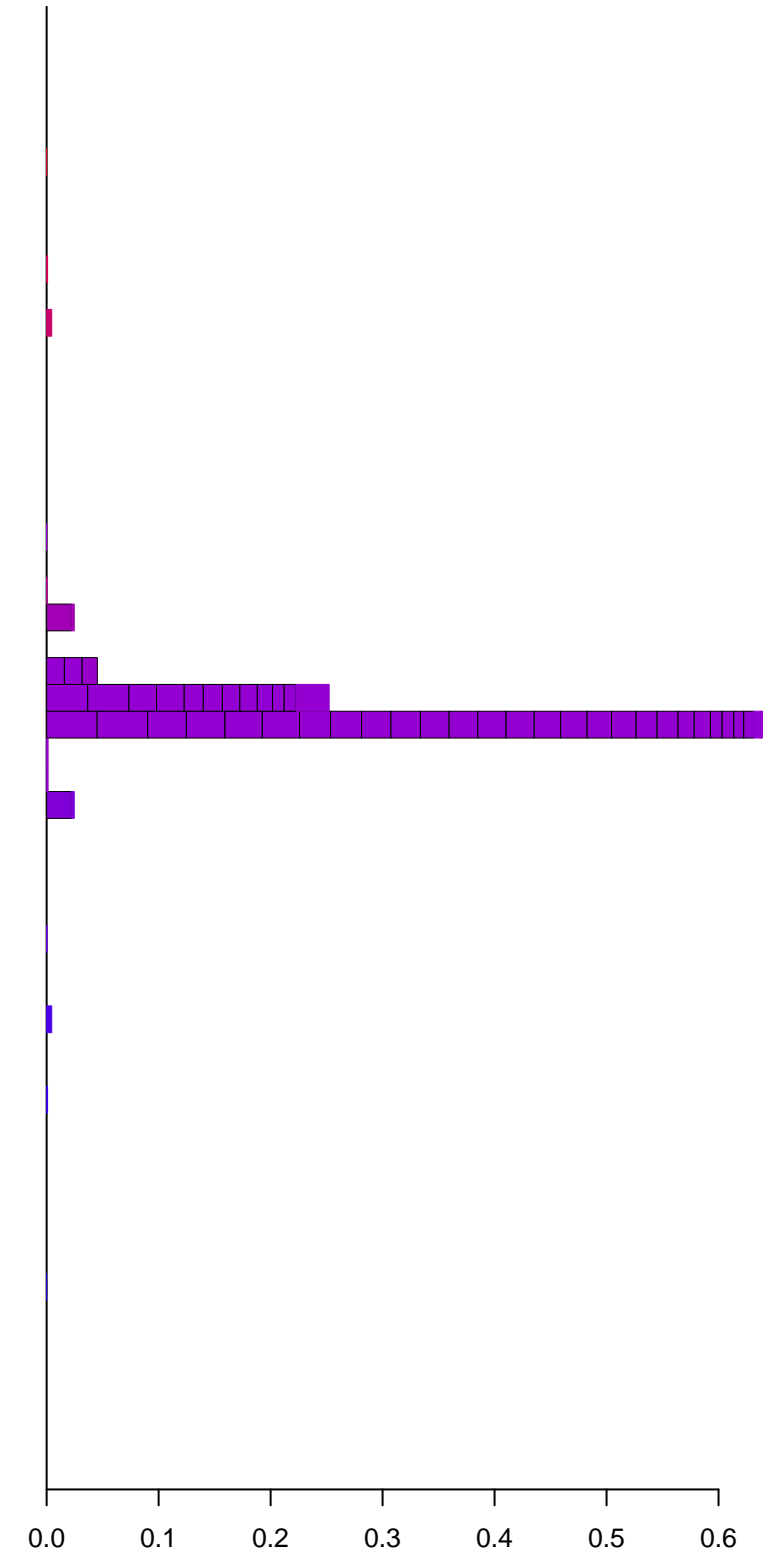
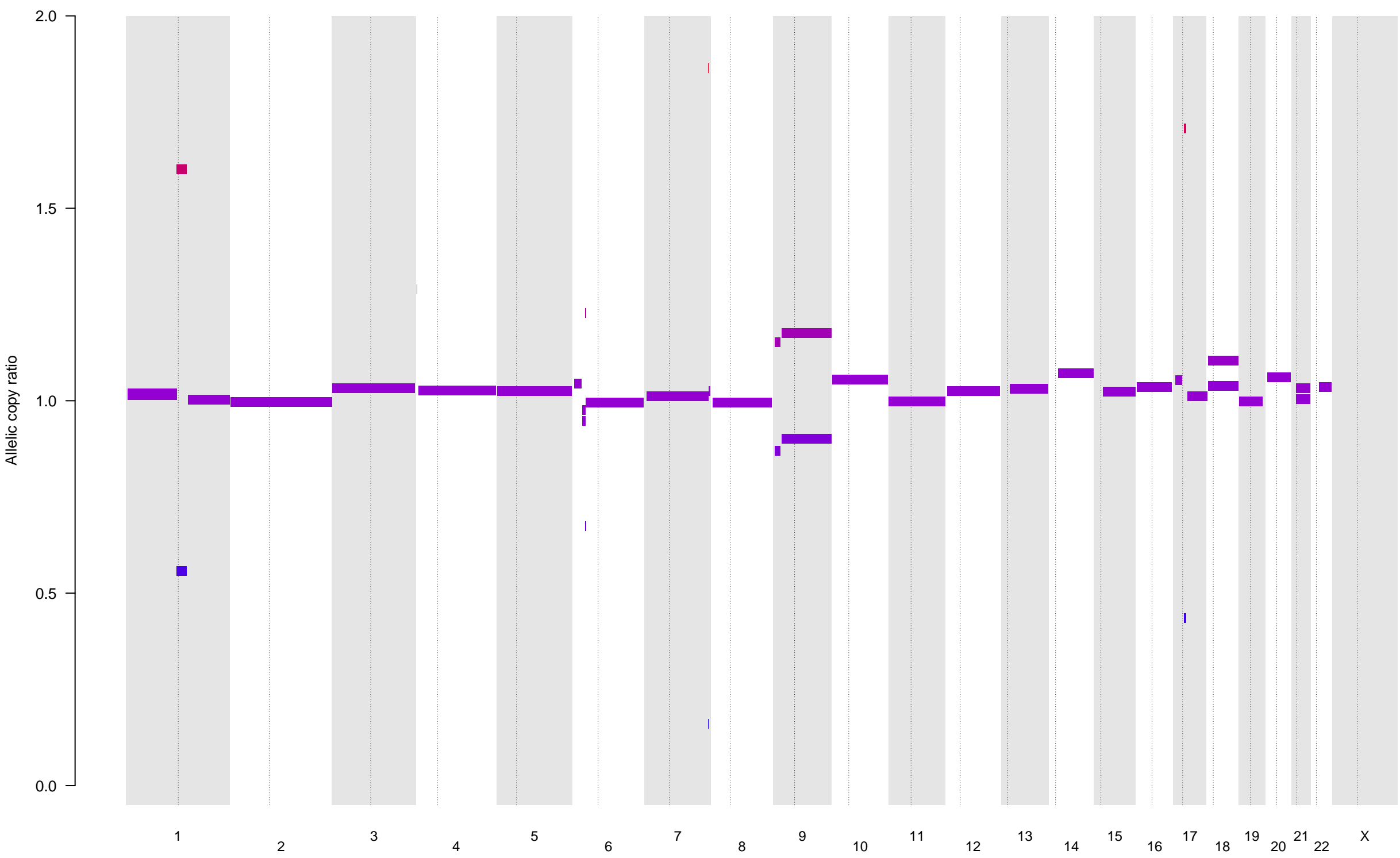


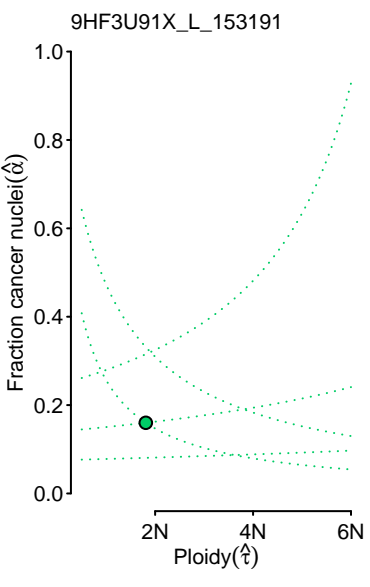


purity($\hat{\alpha}$) = 0.51, ploidy: $\hat{t} = 1.95$, $\hat{t}_g = 1.99$
 $\theta_z = 0$, $\theta_0 = 1.163$, WGD=0
 SCNA LL = -112.59, SSNV LL = -1416.98, SCNA Ev = -29.60161

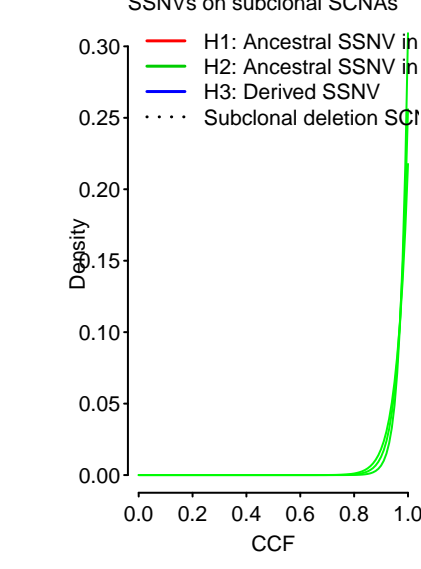
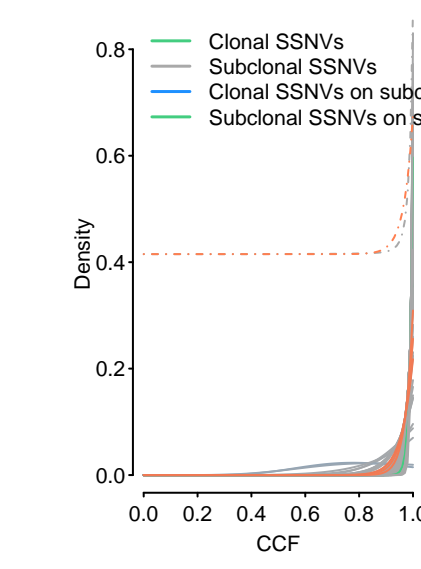
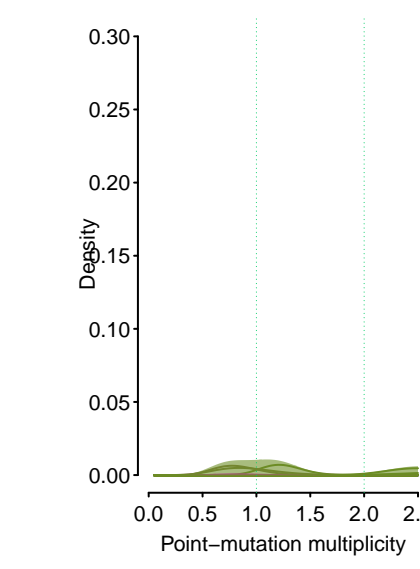
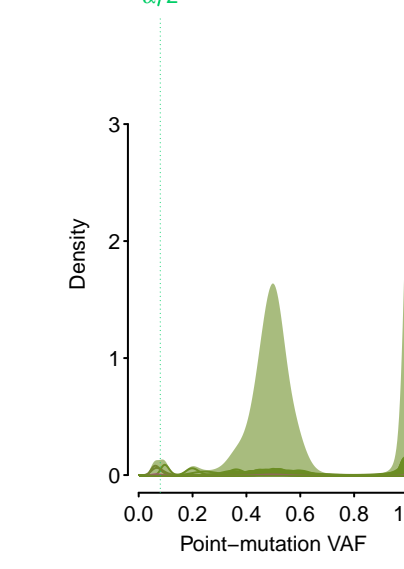
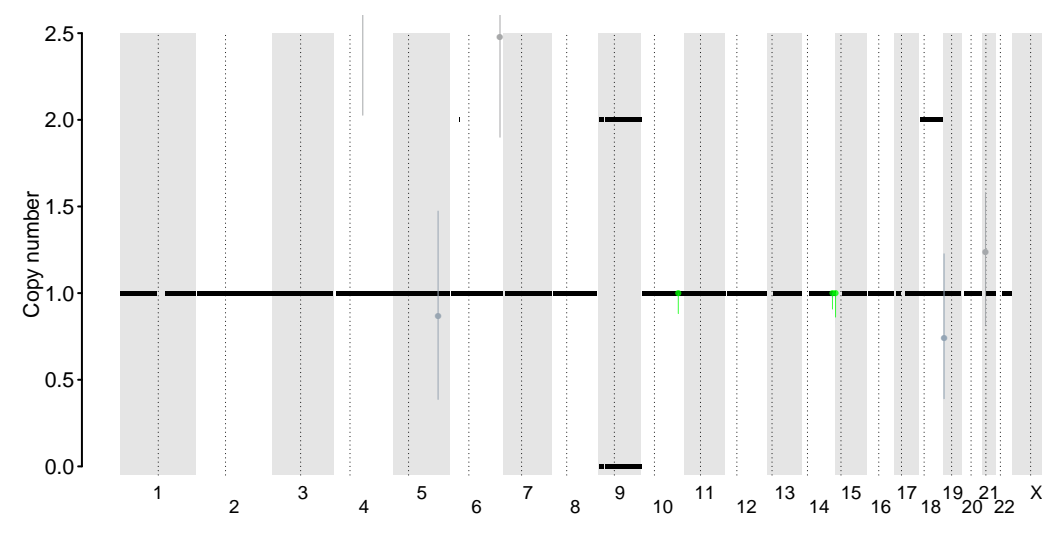
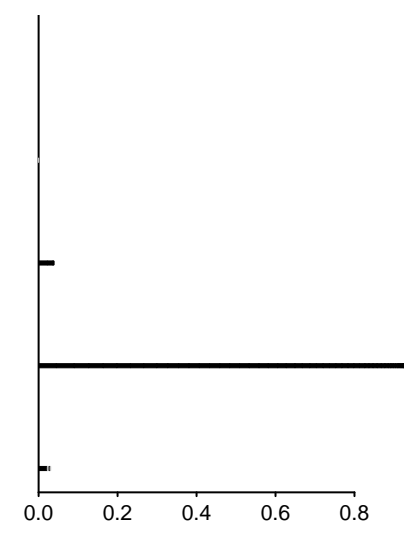
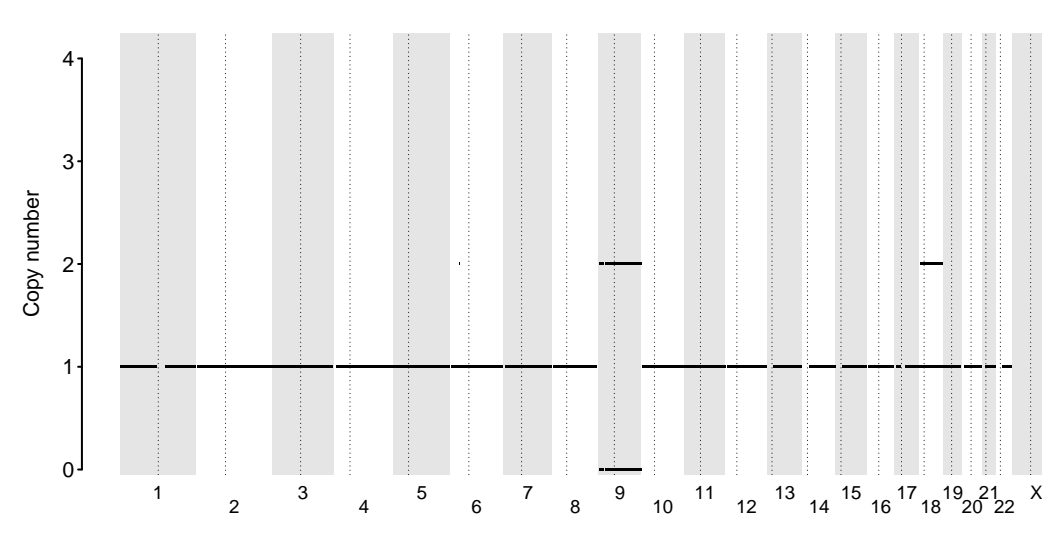
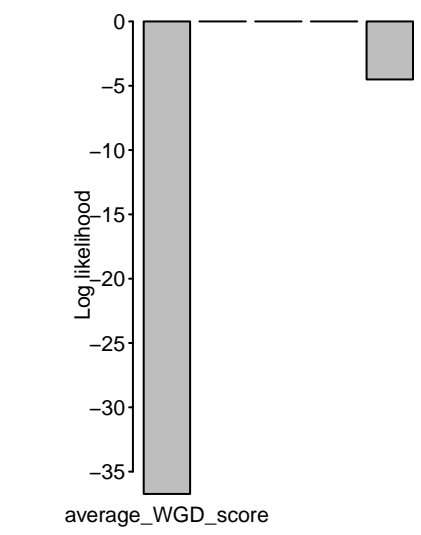
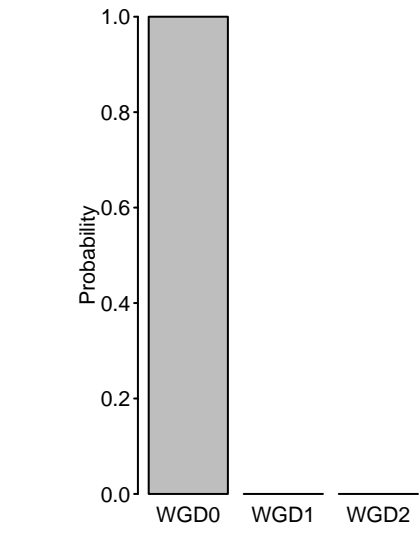
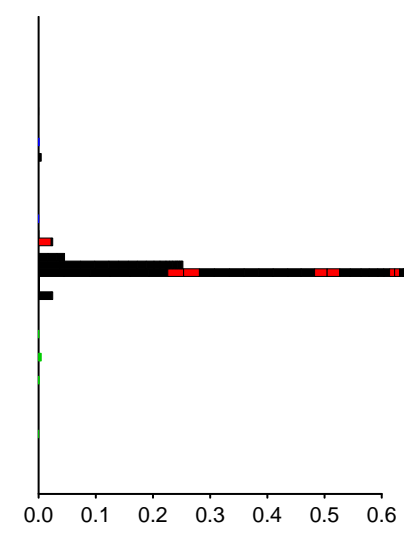
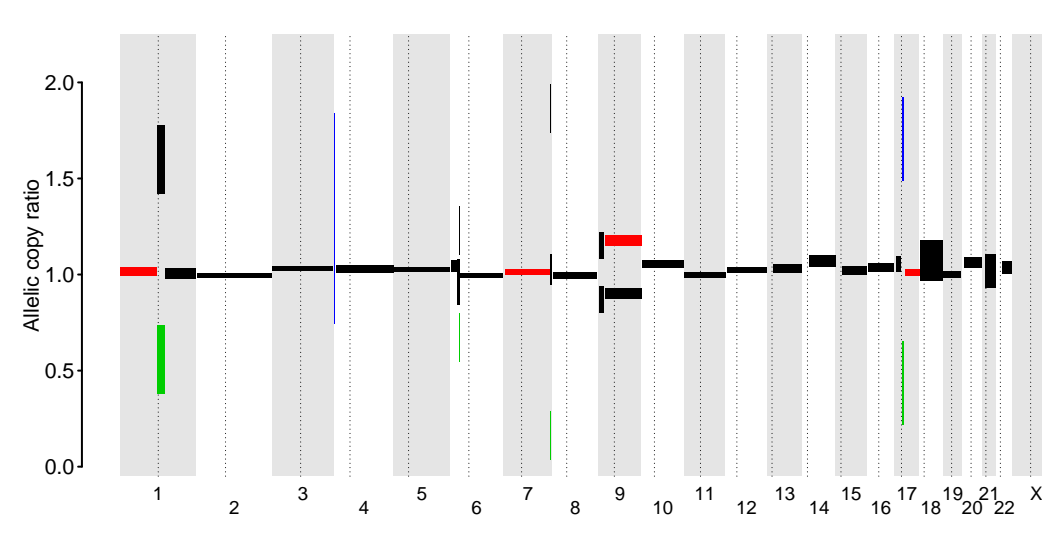
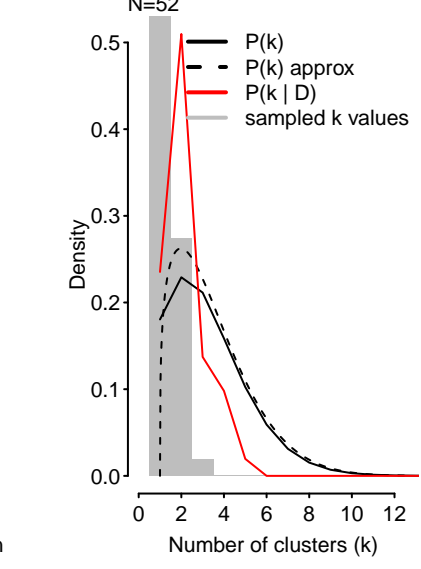
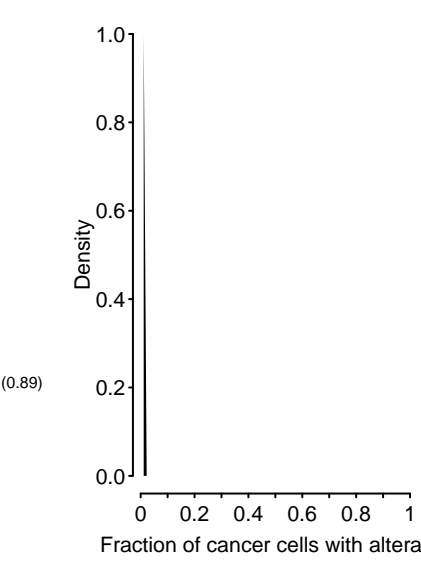
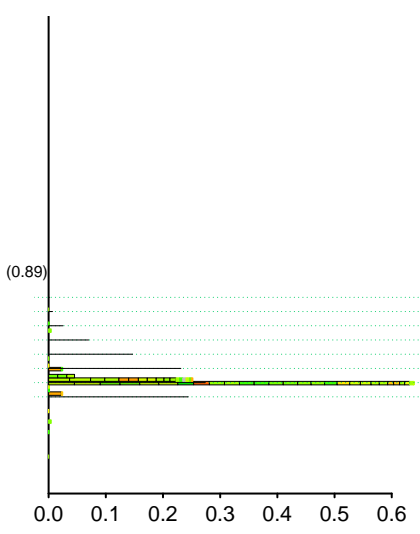
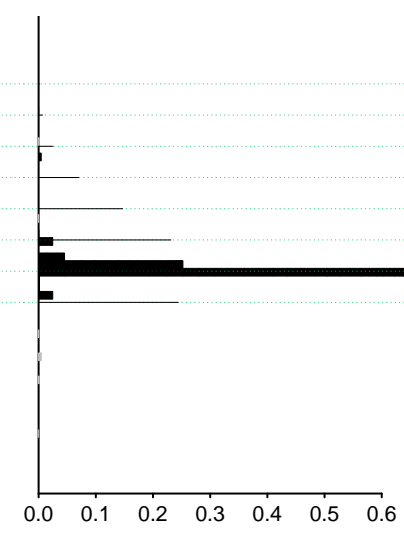
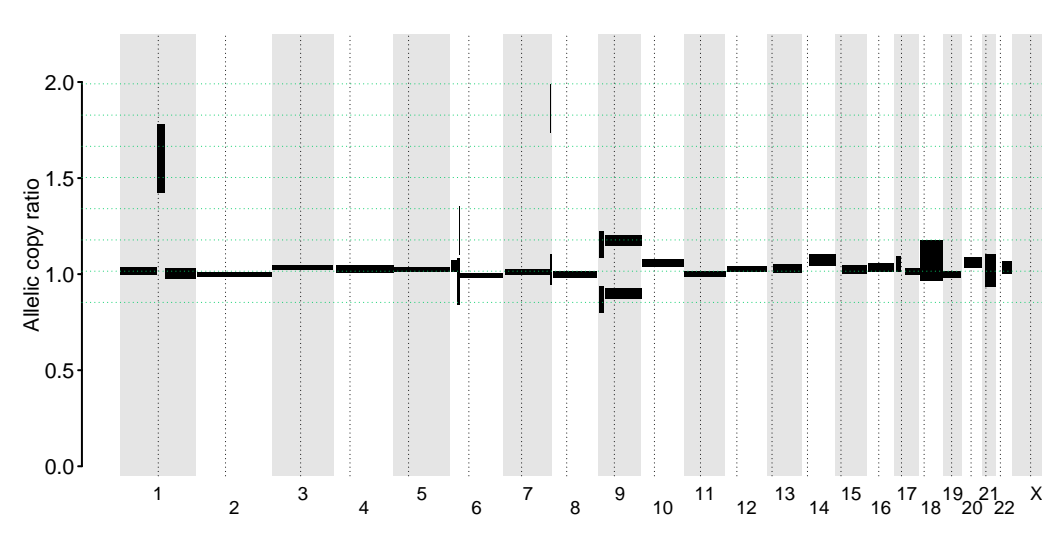
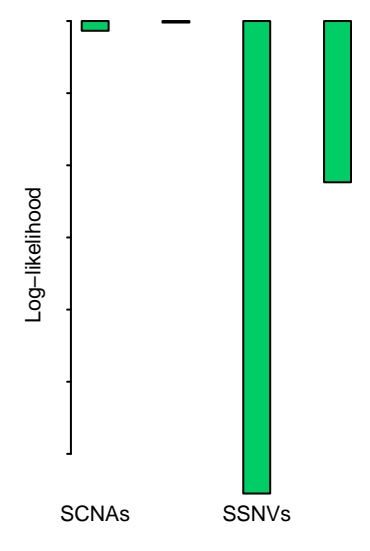
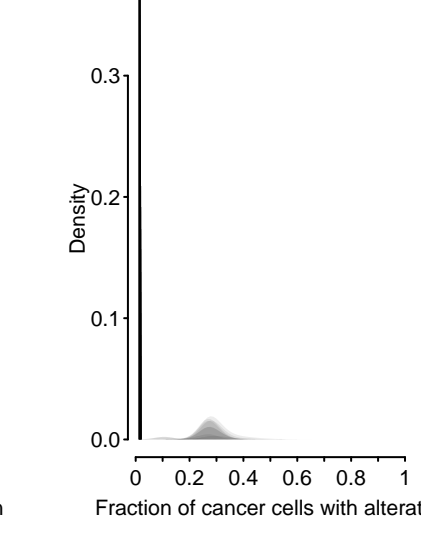
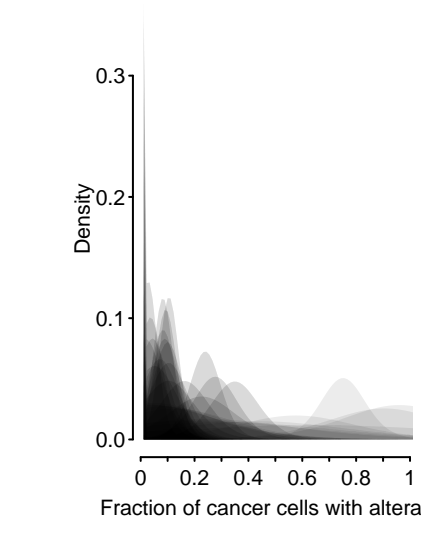
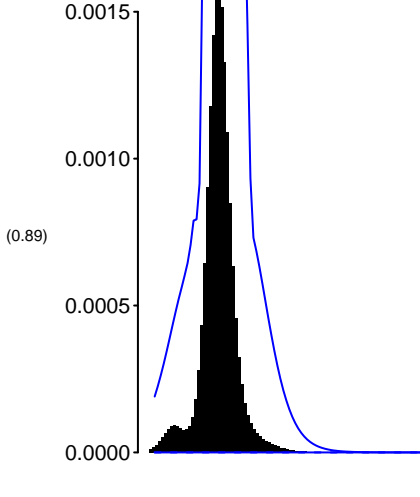
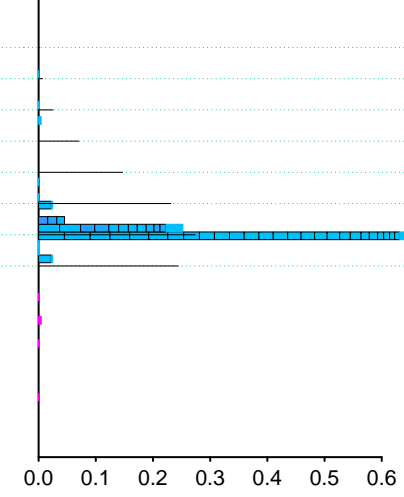
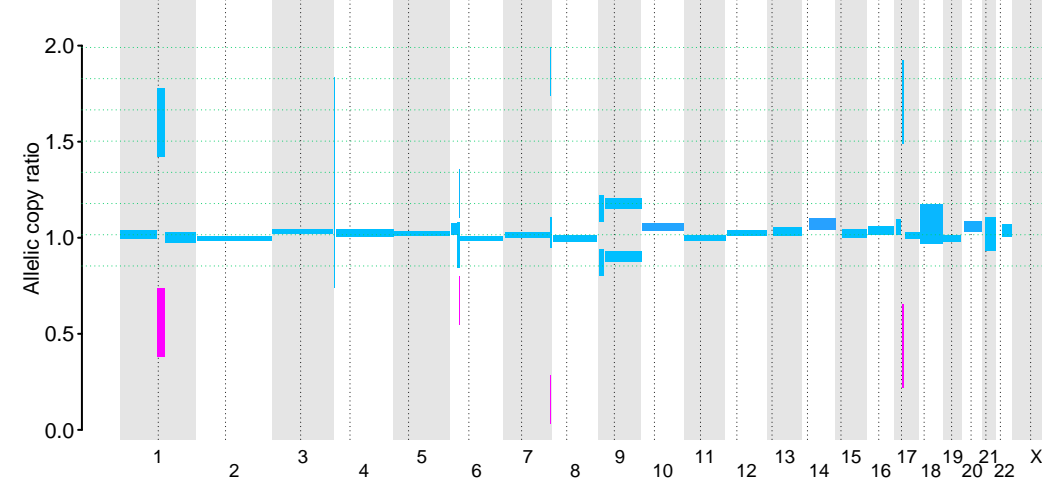


Sample 48

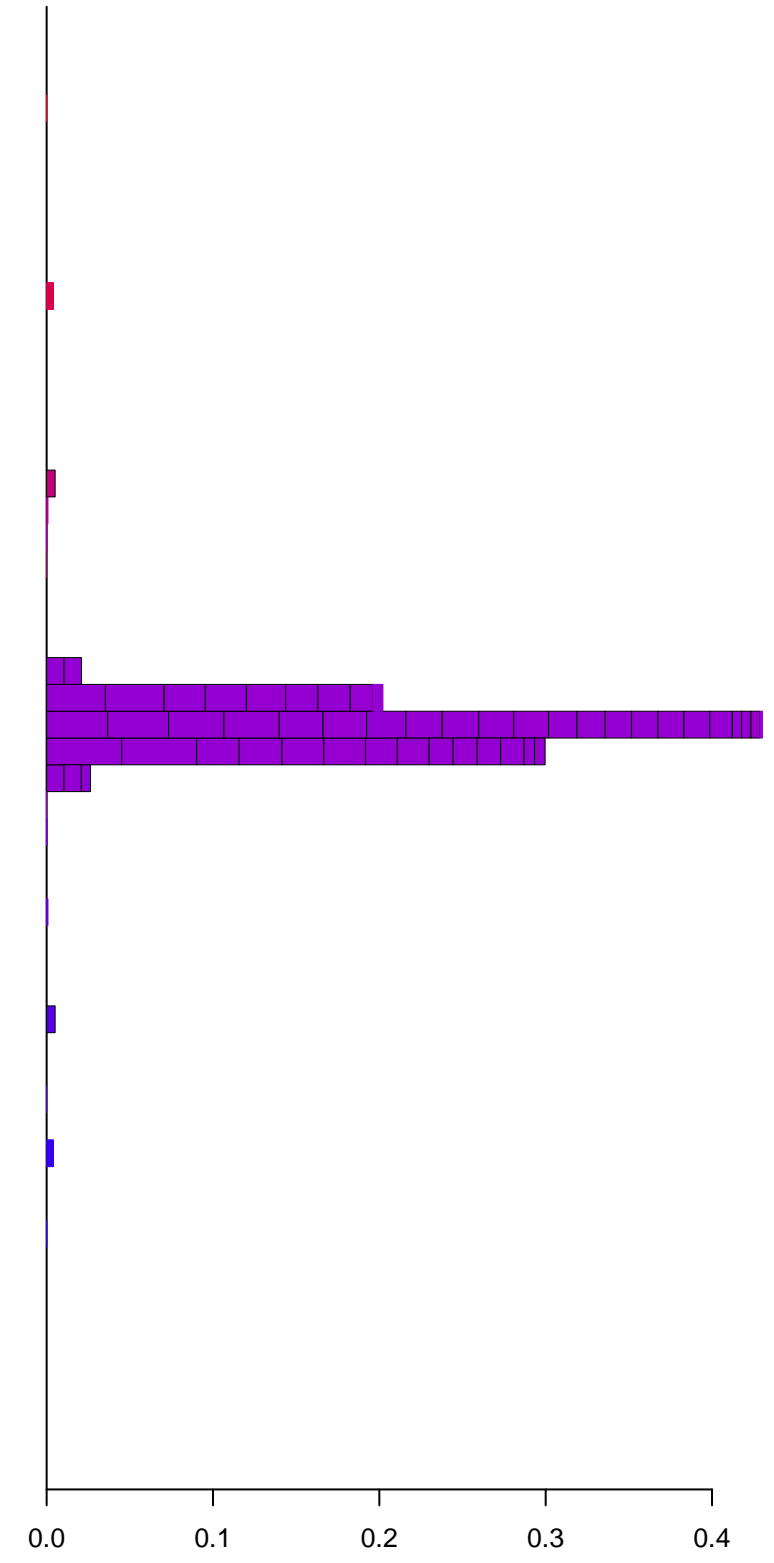
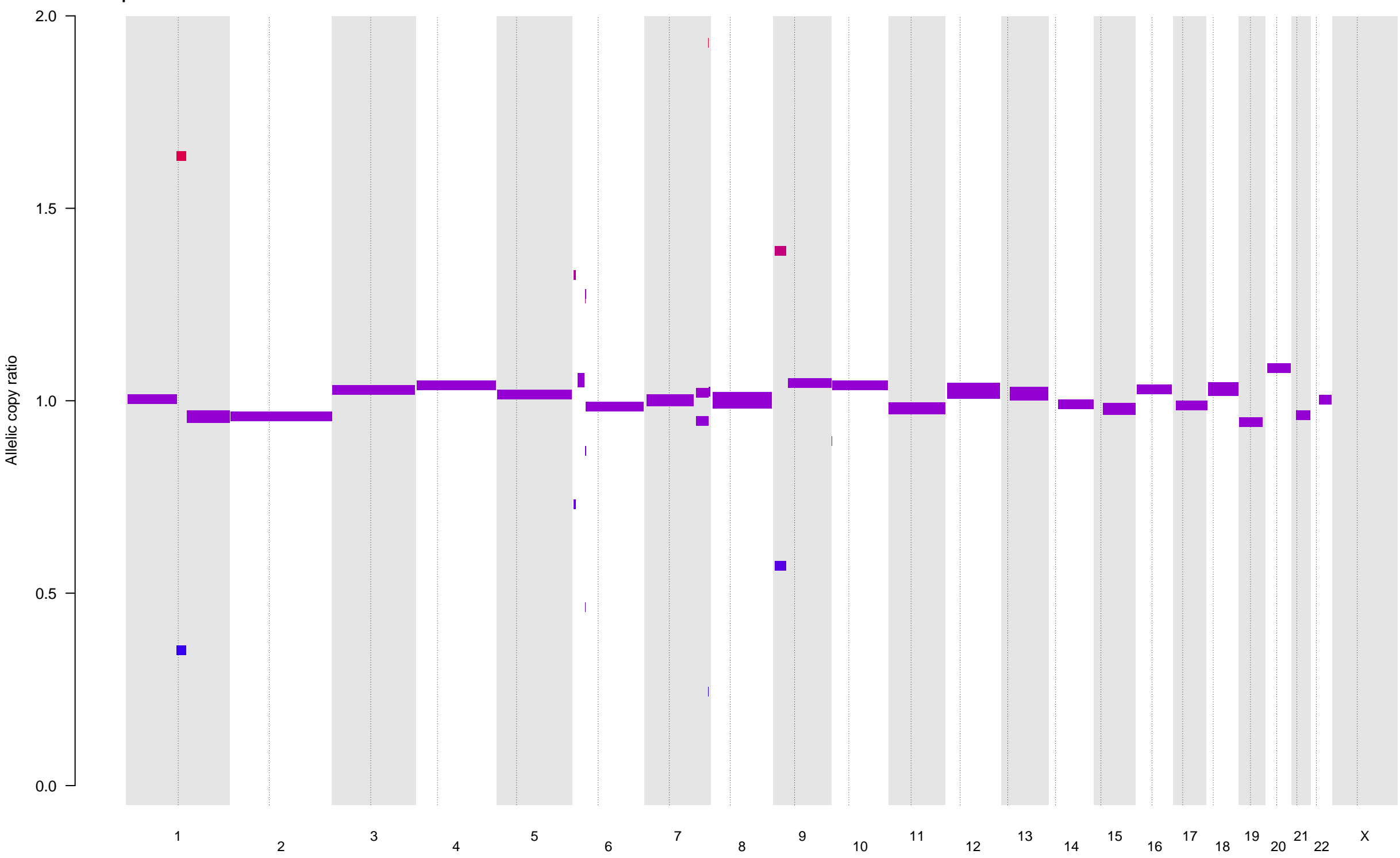




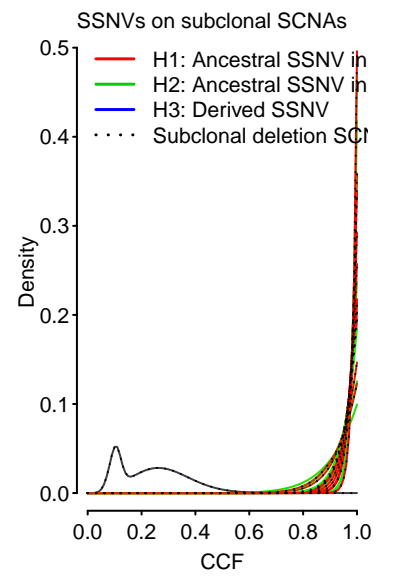
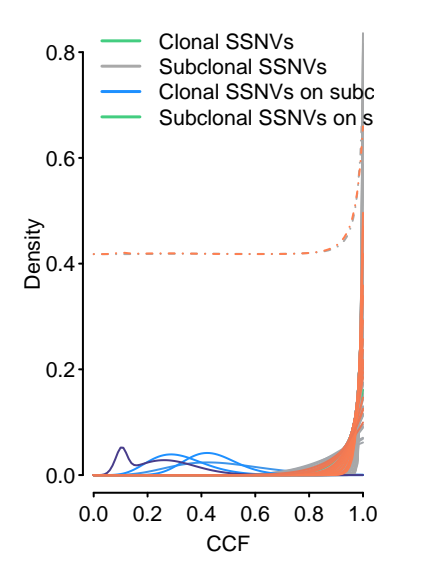
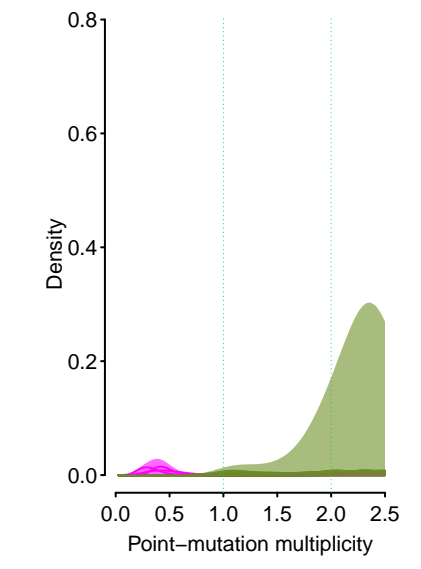
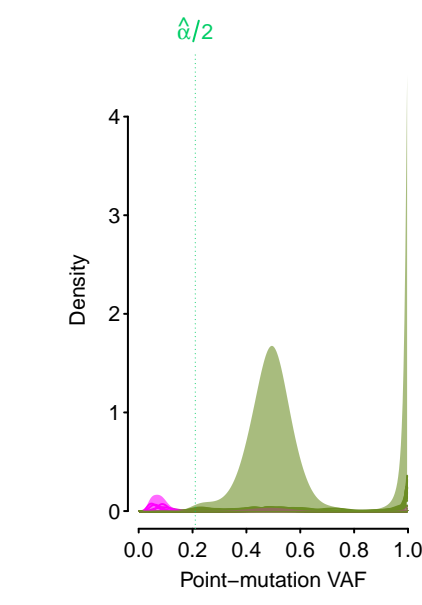
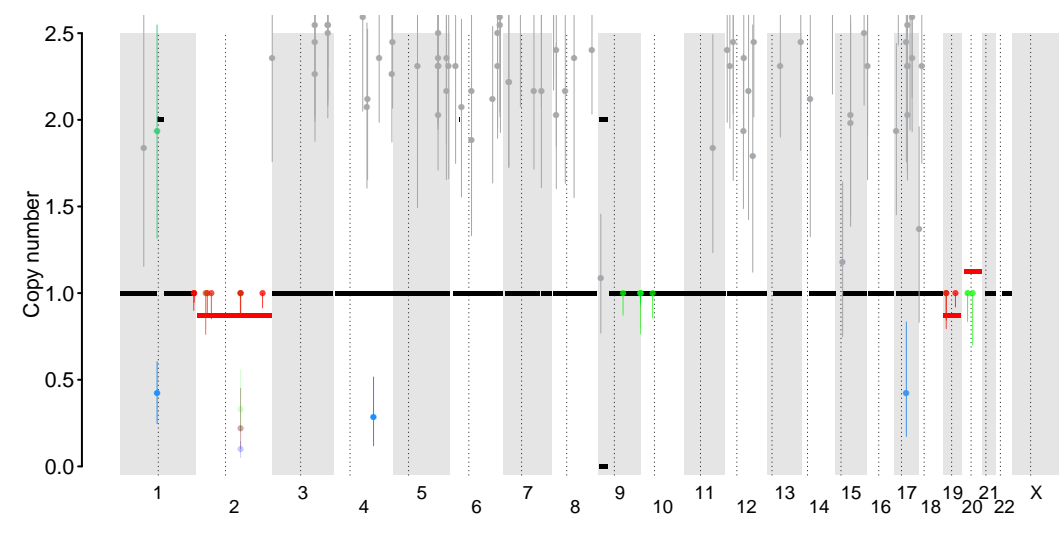
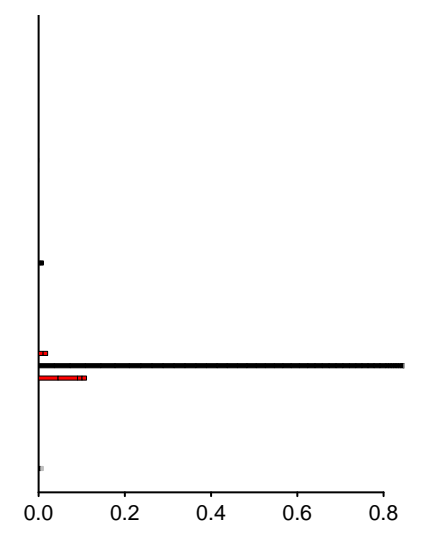
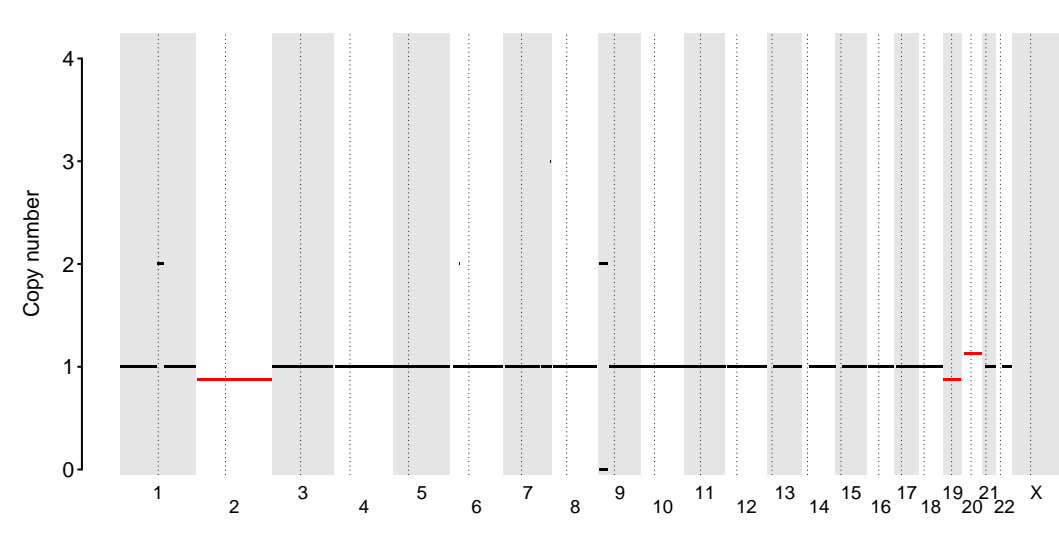
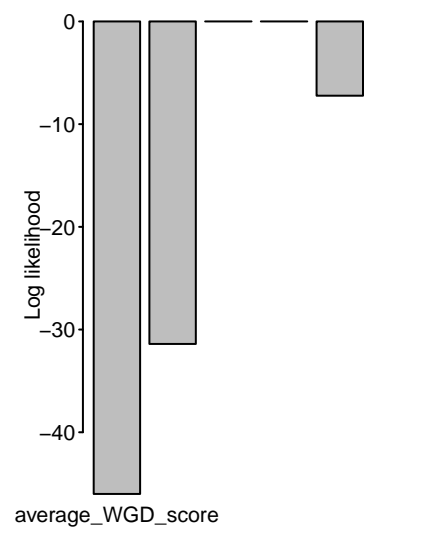
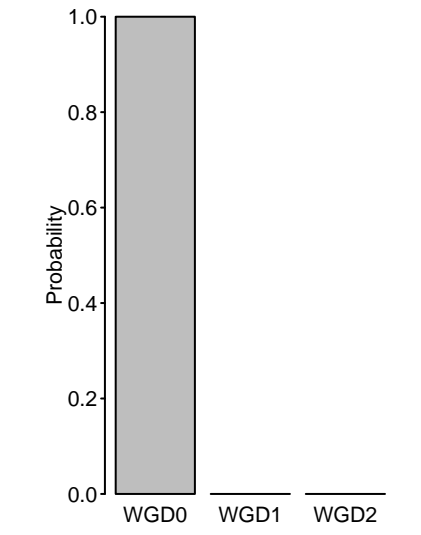
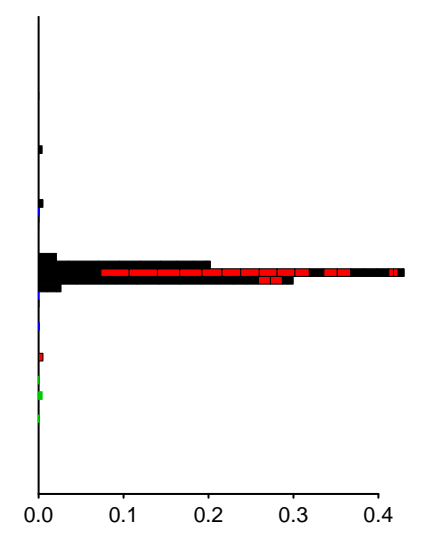
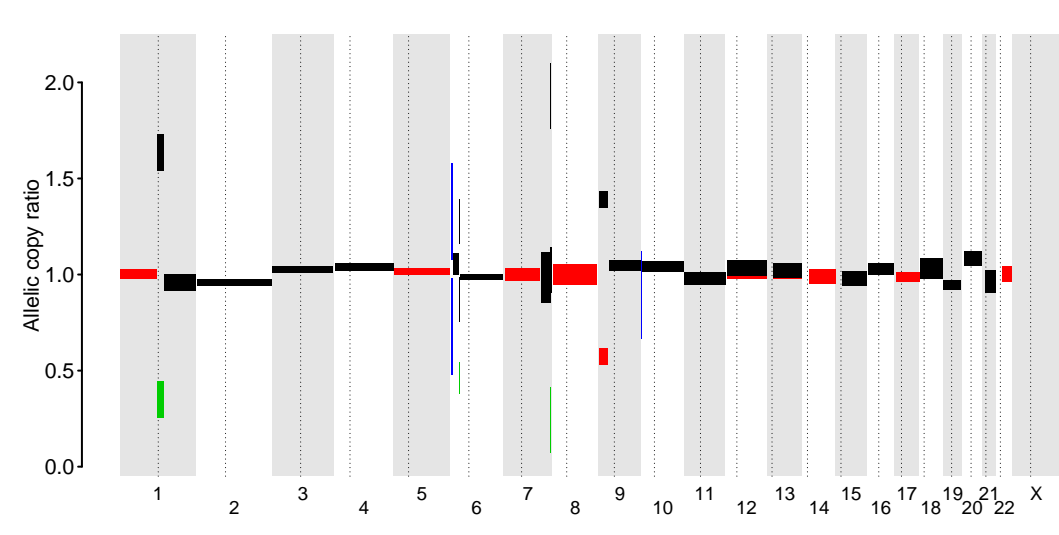
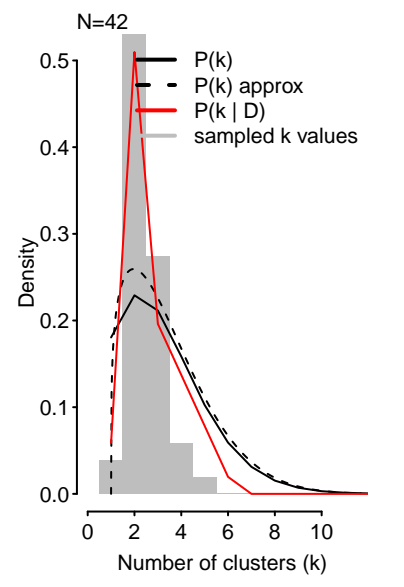
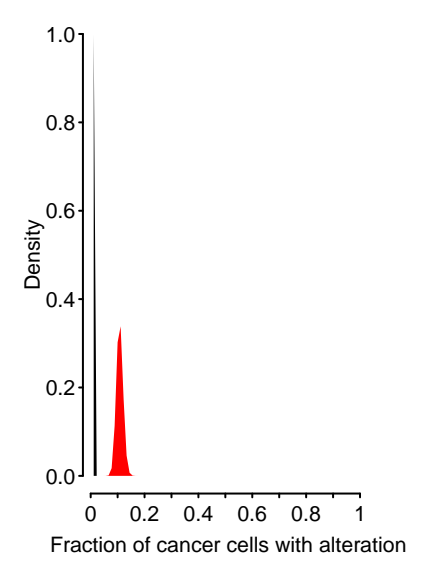
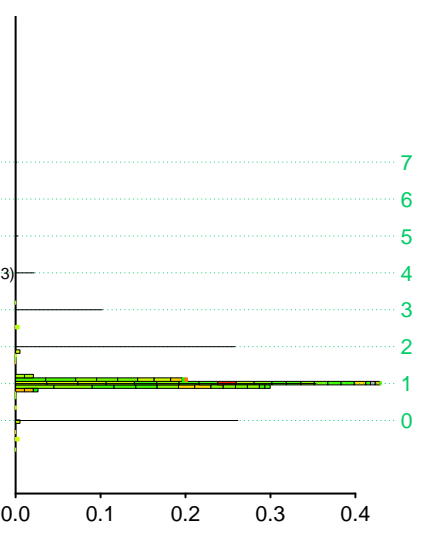
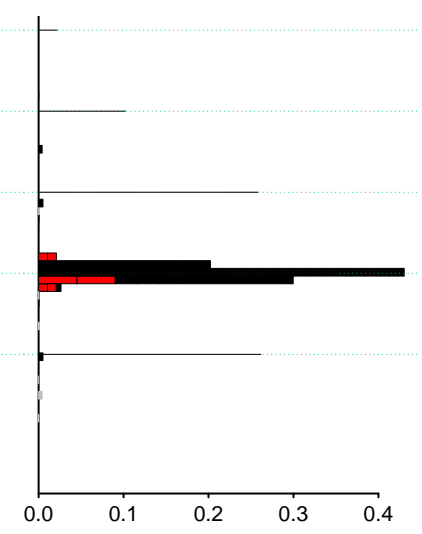
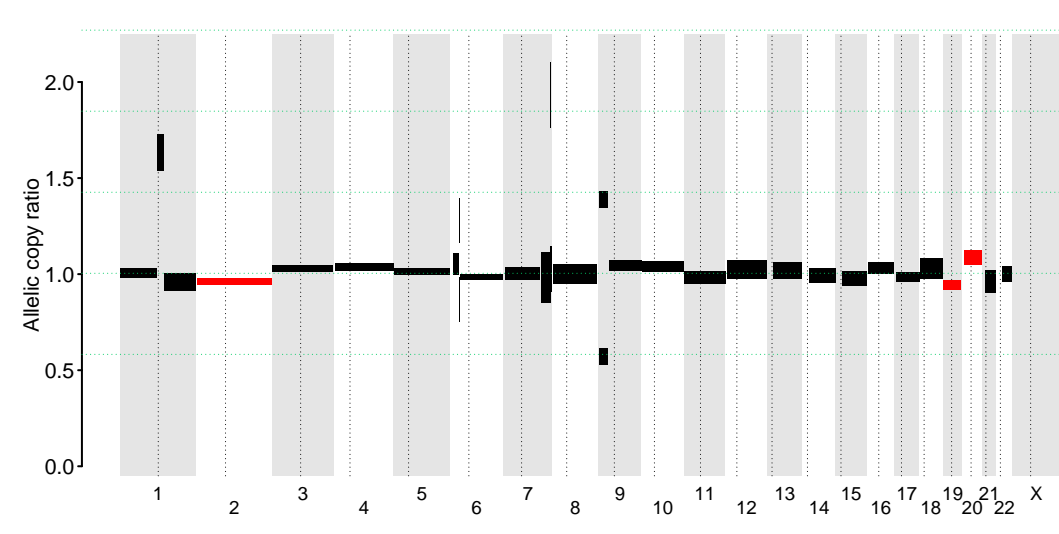
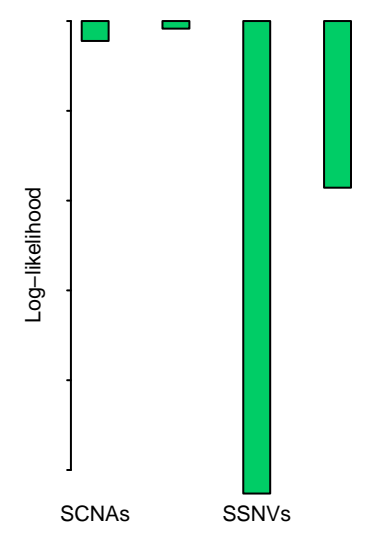
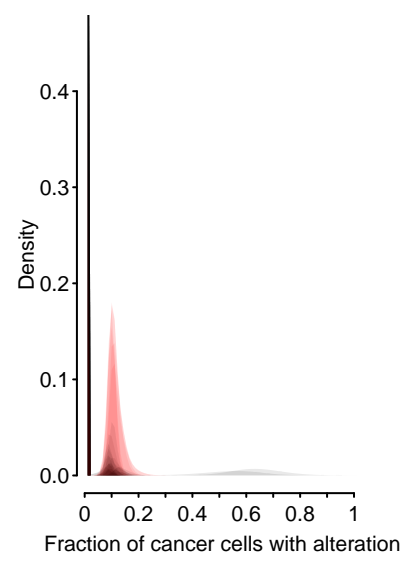
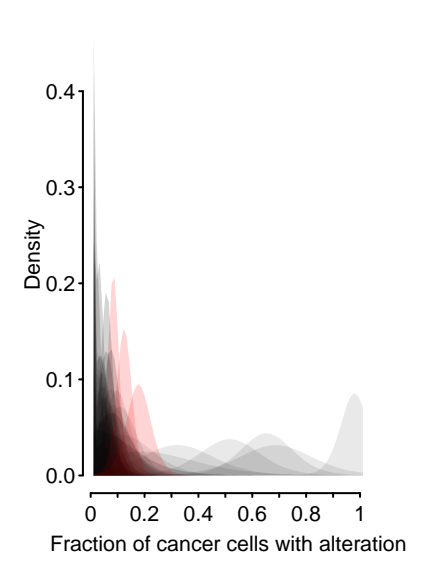
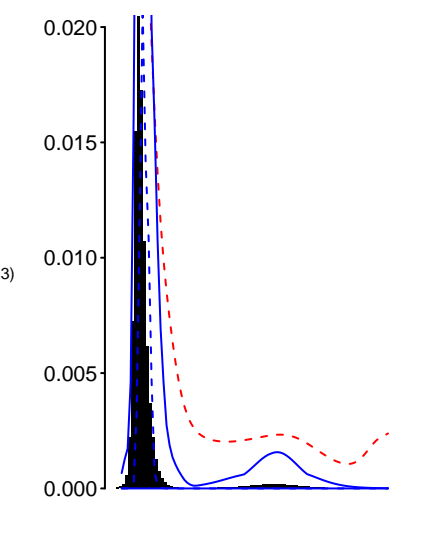
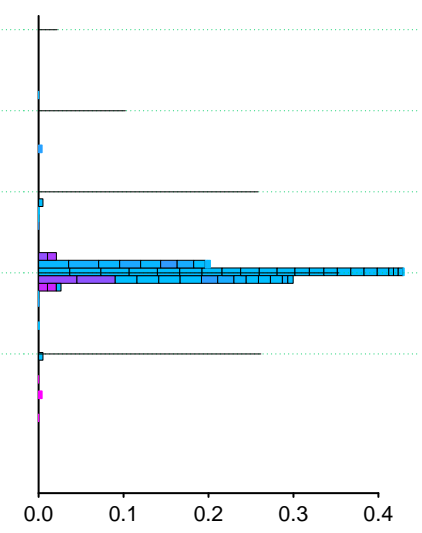
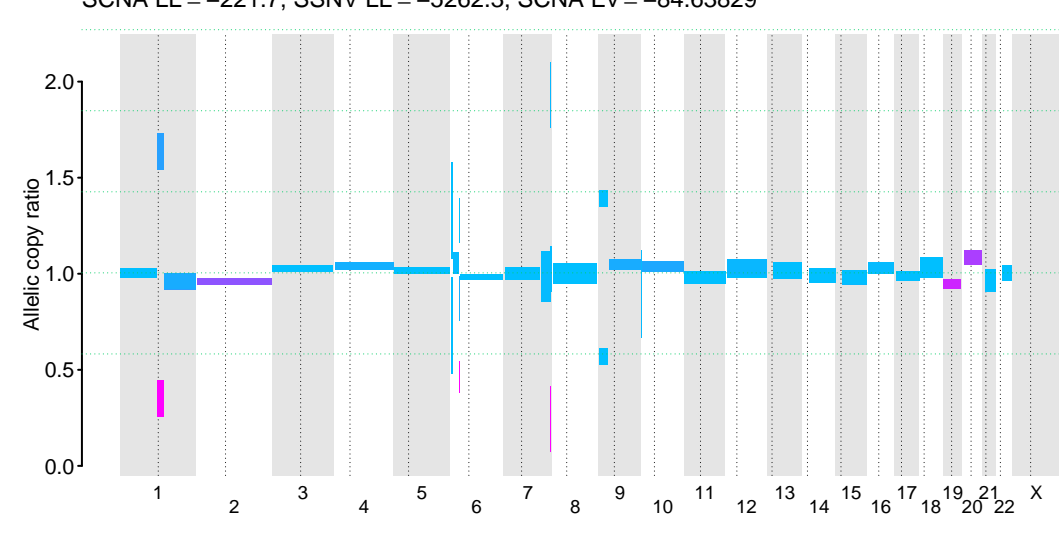
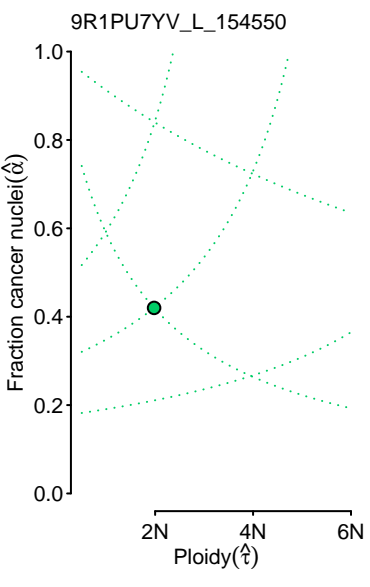
purity($\hat{\lambda}$) = 0.16, ploidy: $\hat{\tau} = 1.81$, $\hat{\tau}_g = 2.04$
 $\hat{\theta}_z = 0.02$, $\hat{\theta}_a = 1.875$, WGD=0
 SCNA LL = -270.19, SSNV LL = -13099.83, SCNA Ev = -41.24631



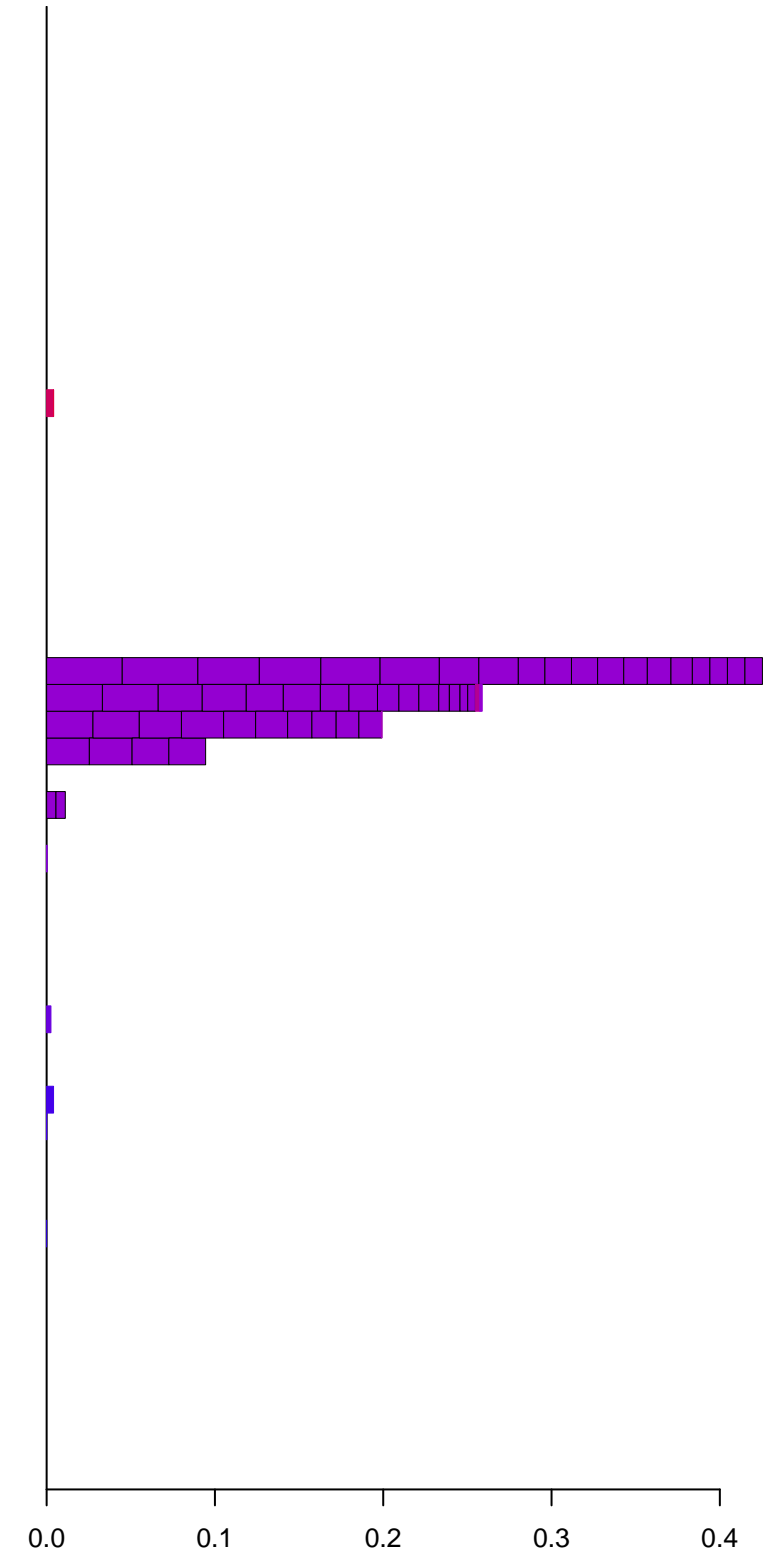
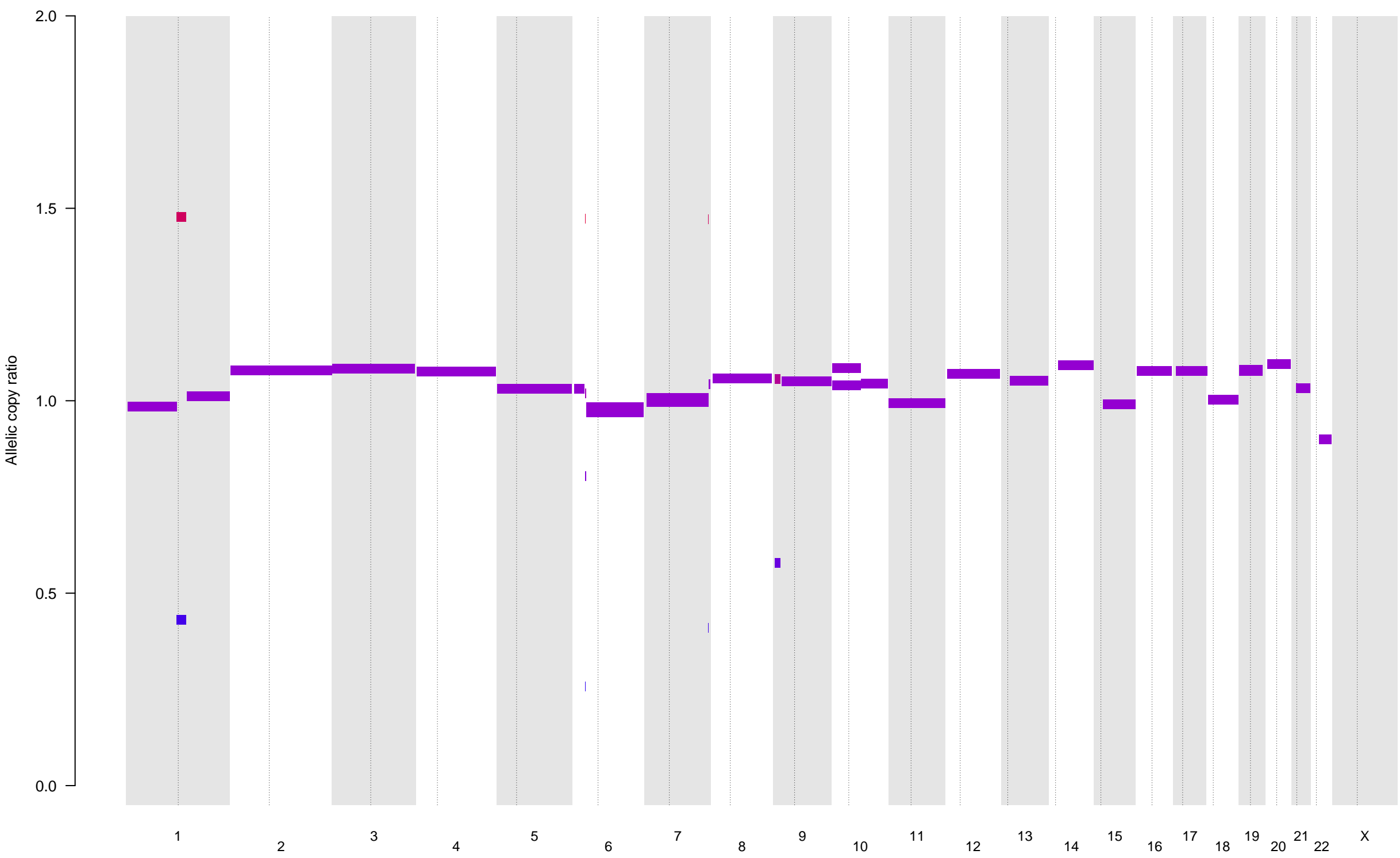
Sample 49



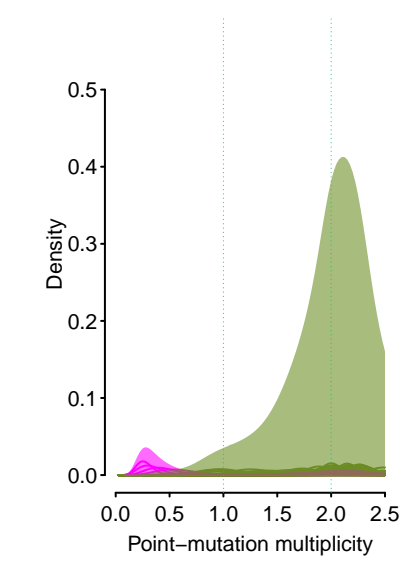
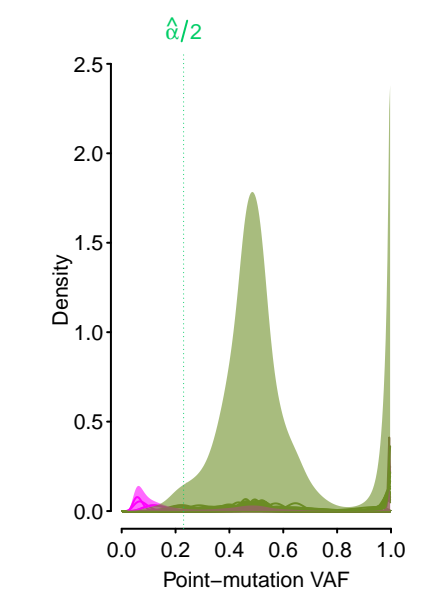
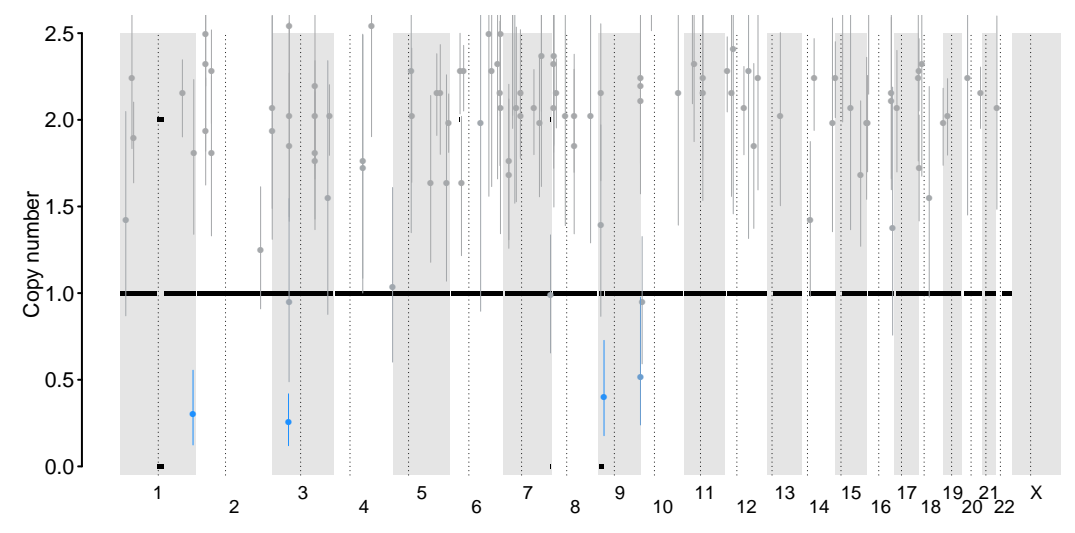
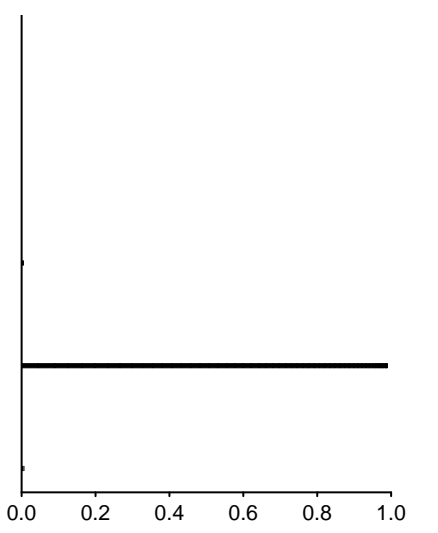
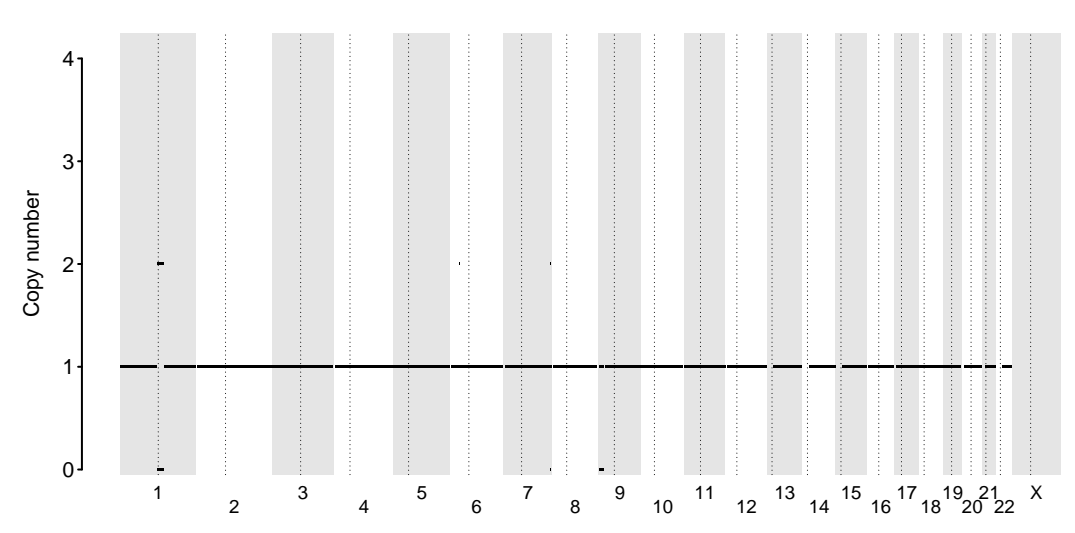
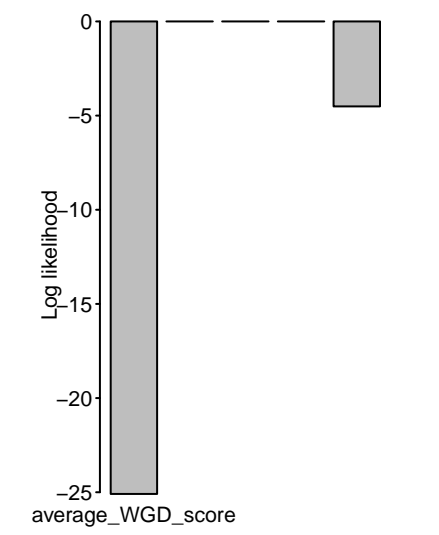
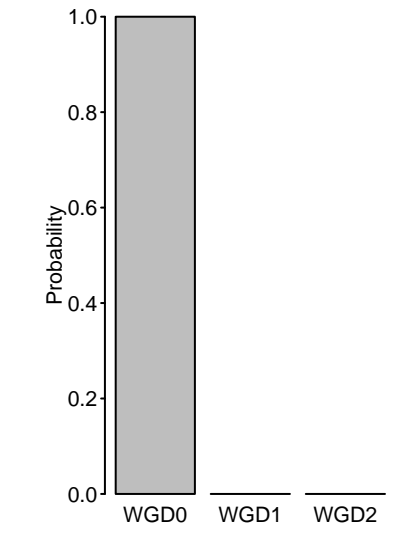
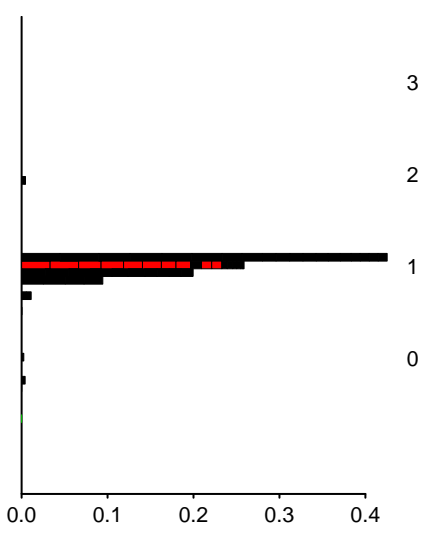
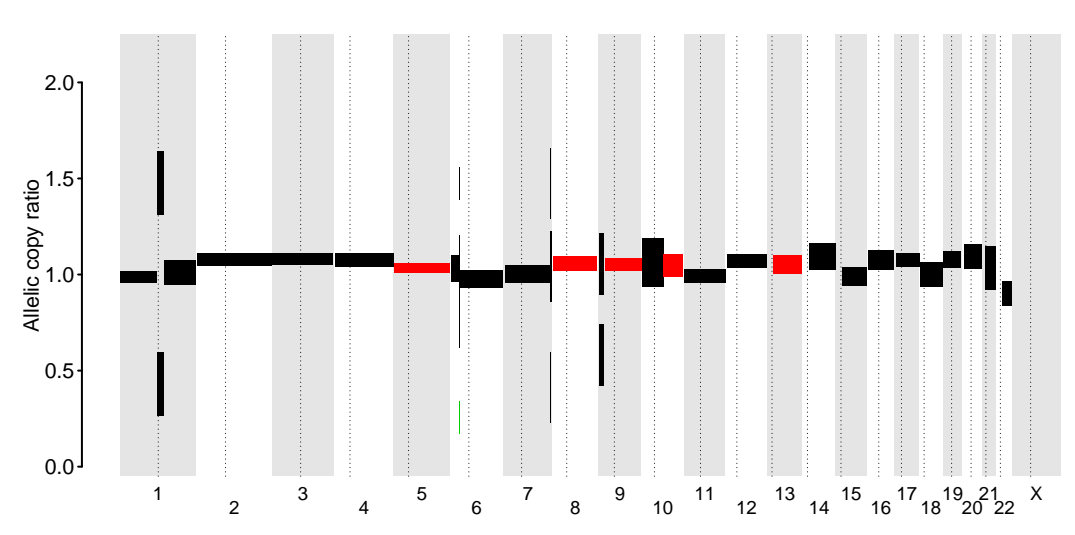
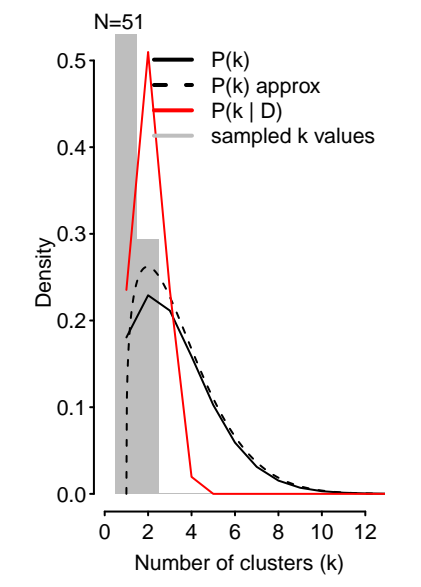
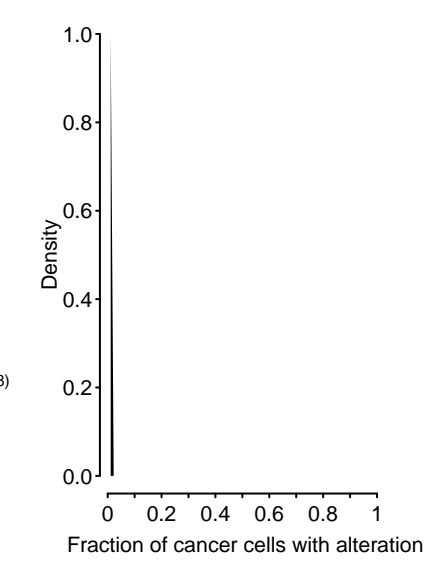
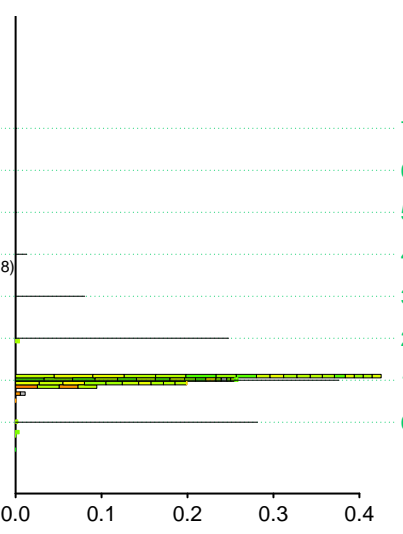
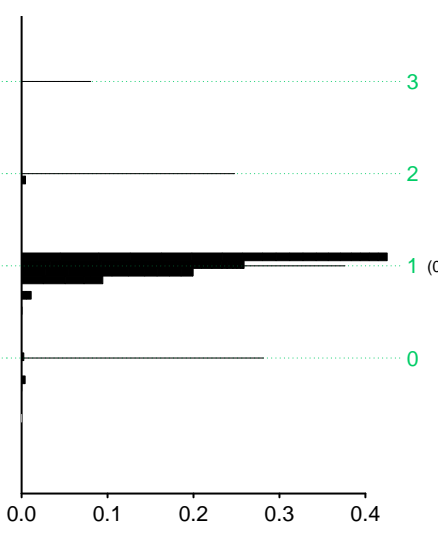
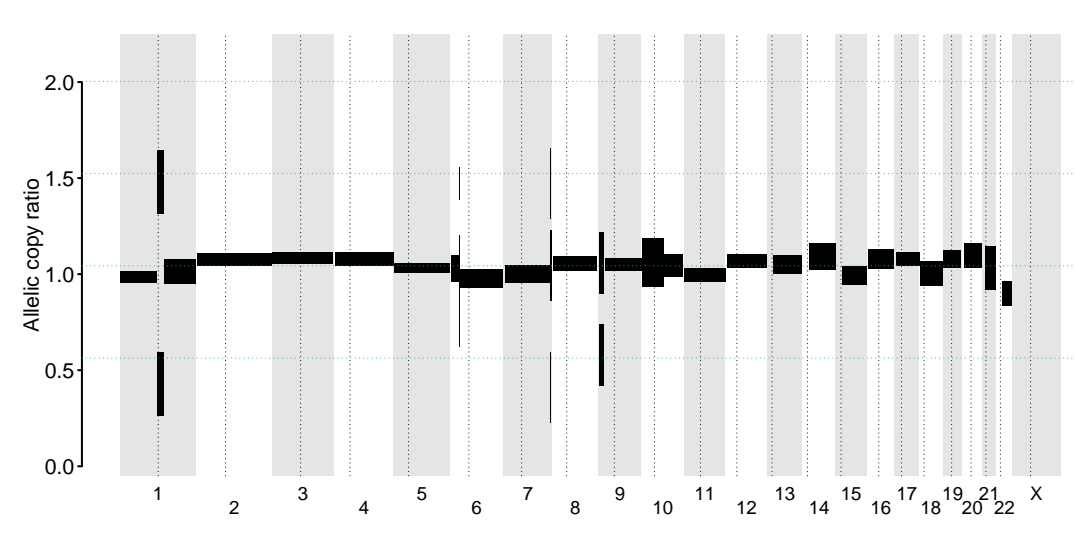
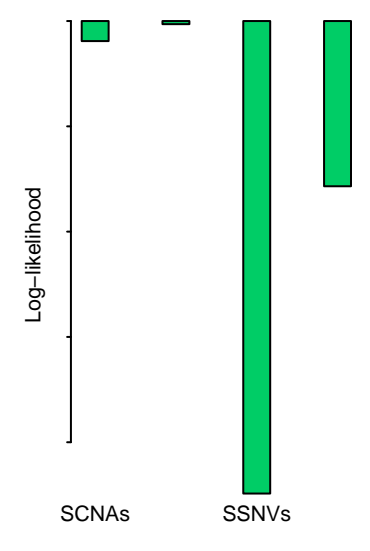
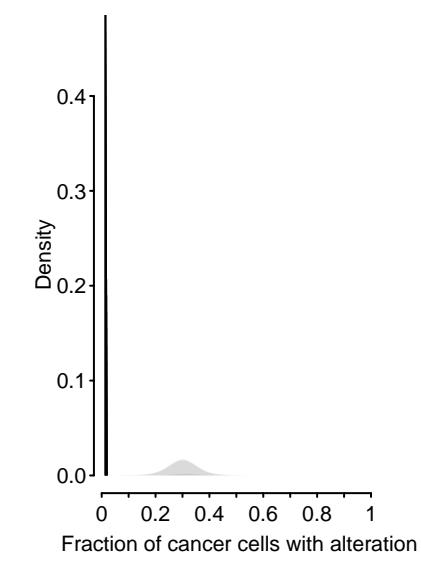
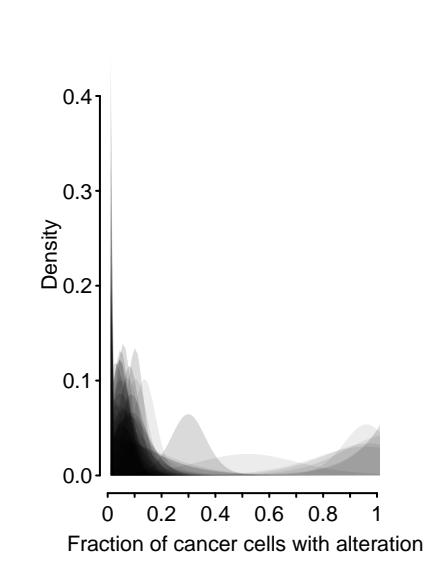
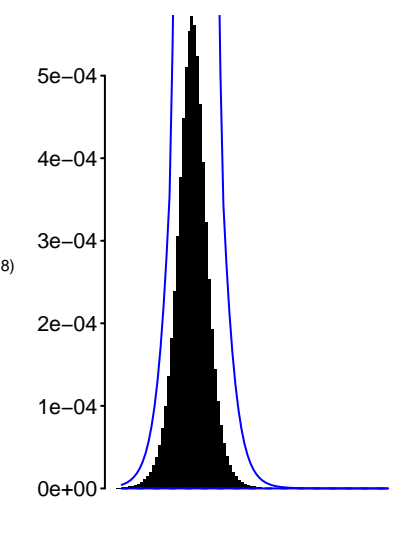
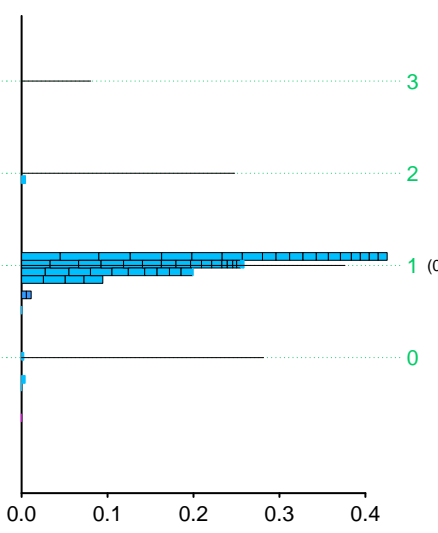
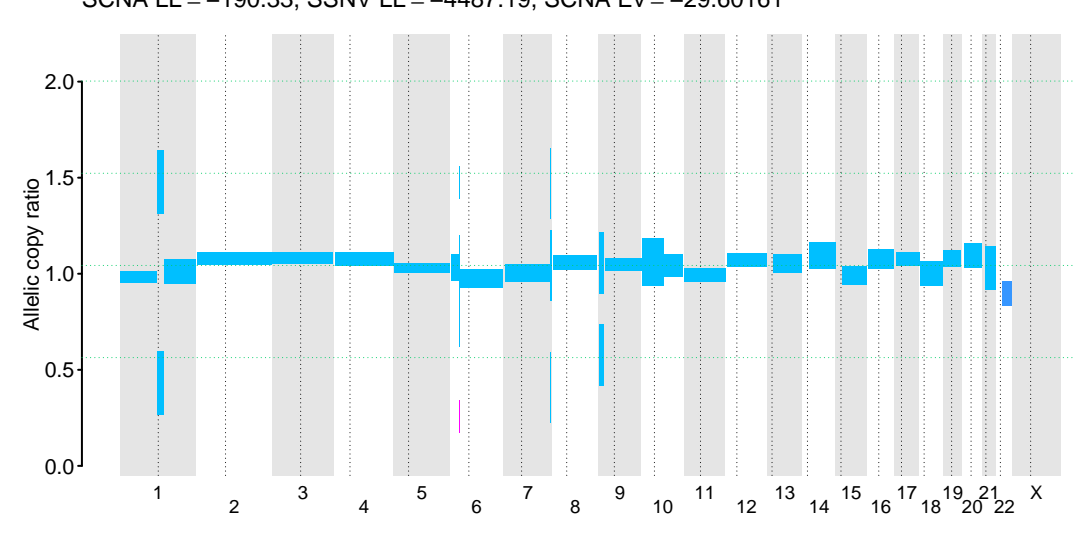
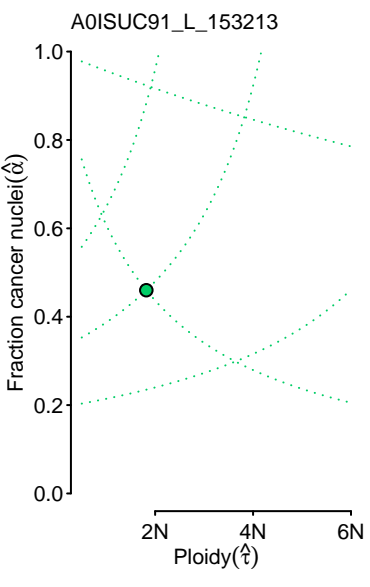
purity($\hat{\alpha}$) = 0.42, ploidy: $\hat{t} = 1.98$, $\hat{t}_g = 2$
 $\theta_z = 0.11$, $\theta_a = 1.276$, WGD=0
 SCNA LL = -221.7, SSNV LL = -5262.3, SCNA Ev = -84.63829



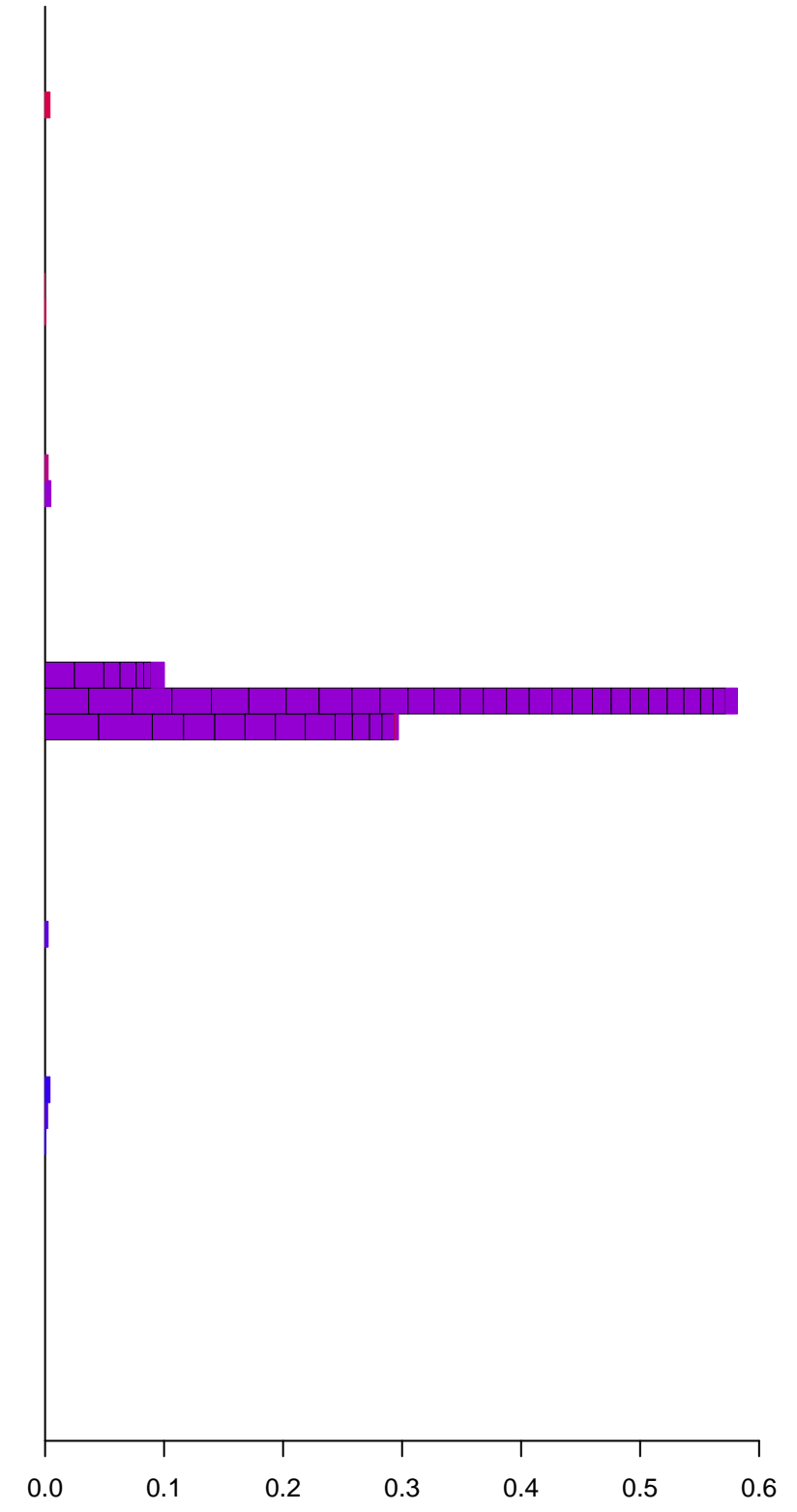
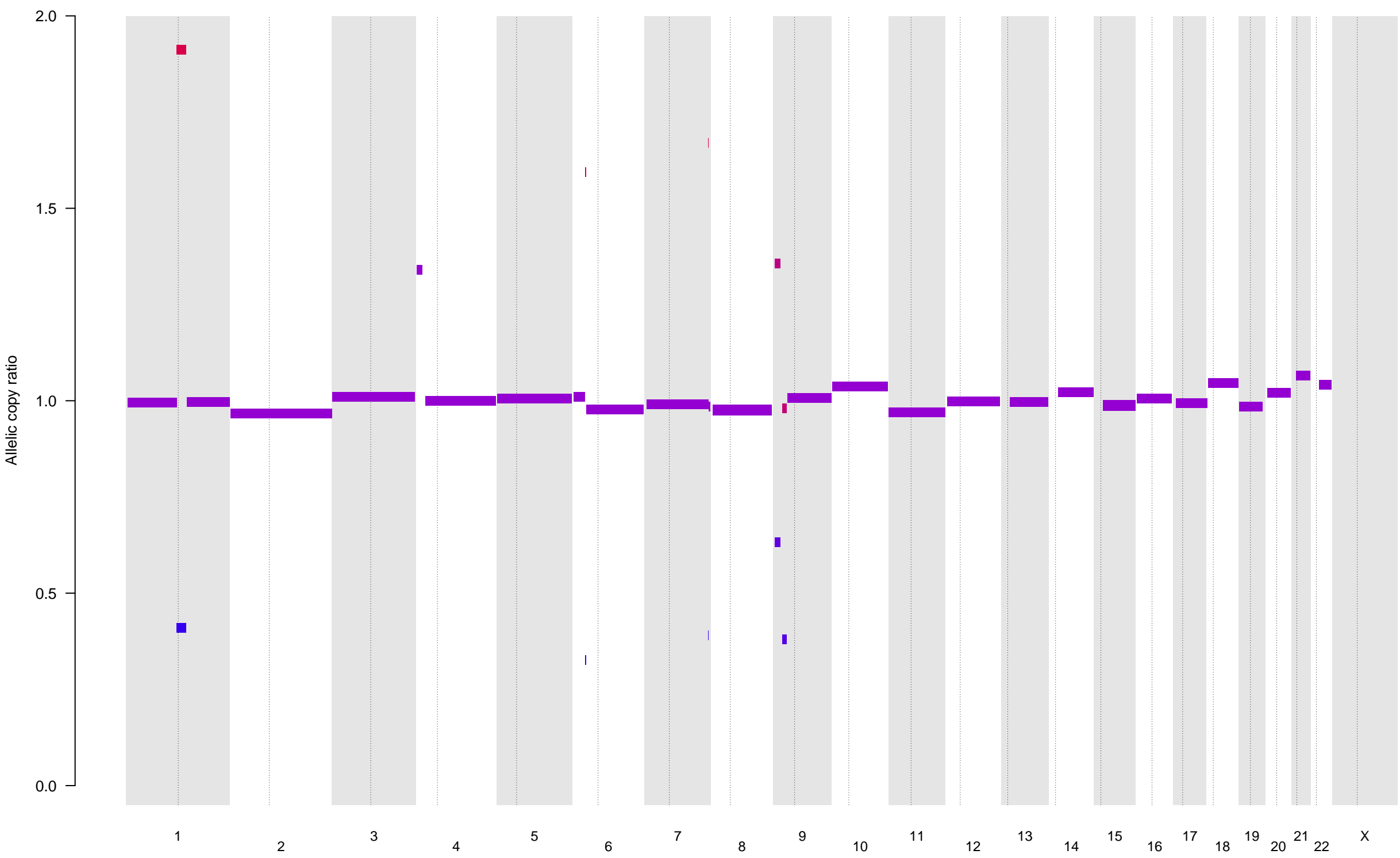
Sample 50



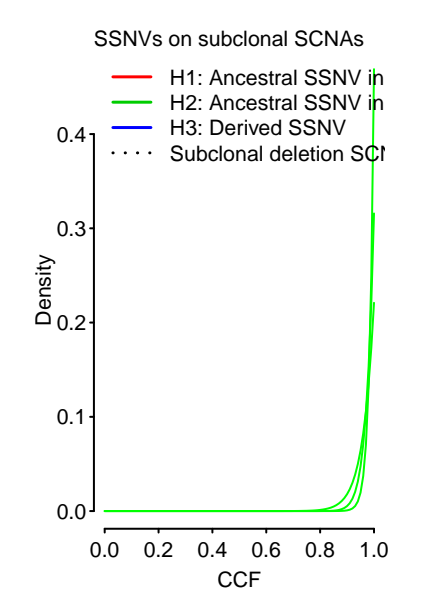
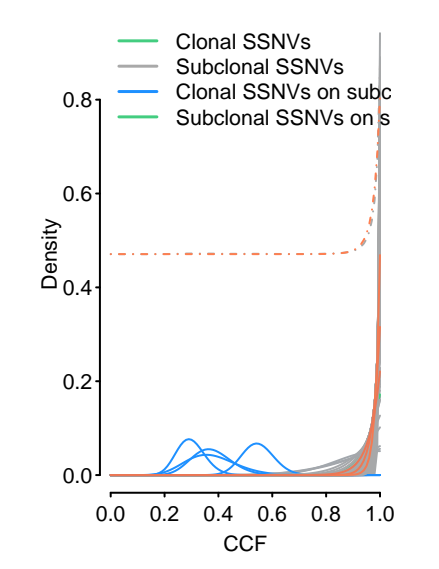
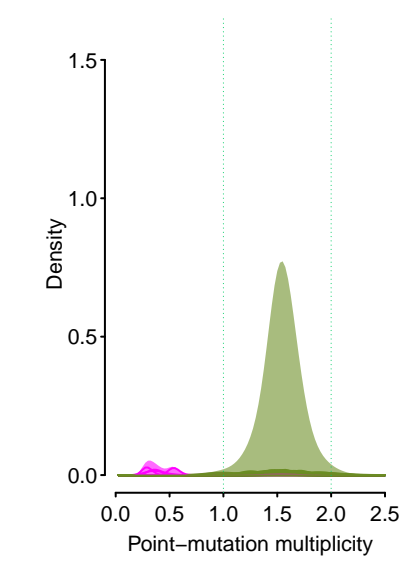
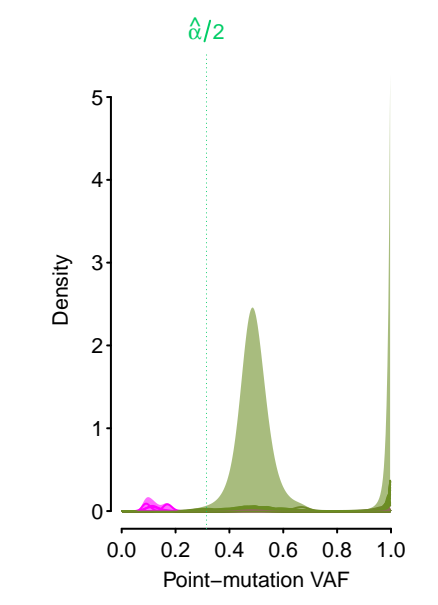
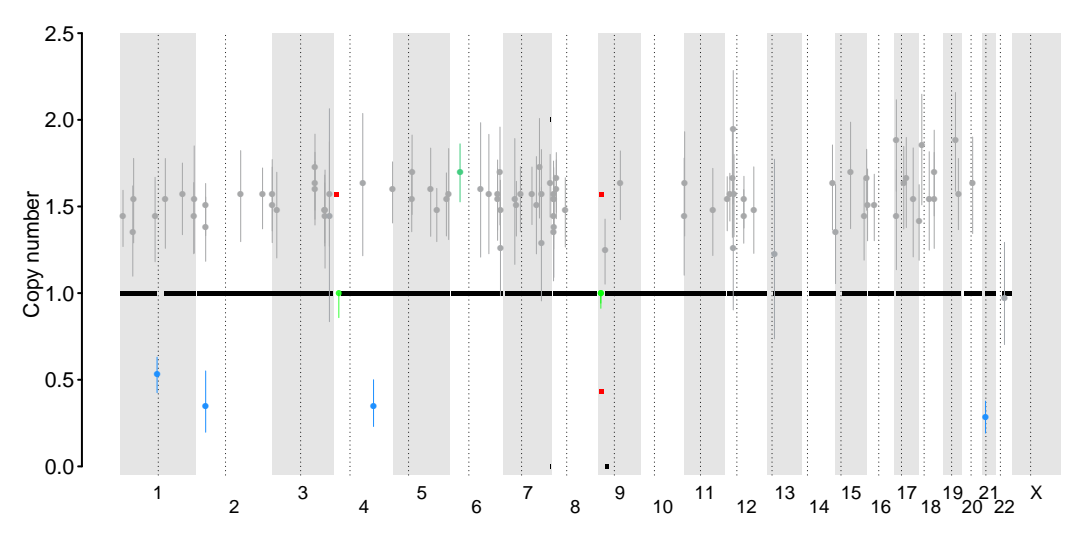
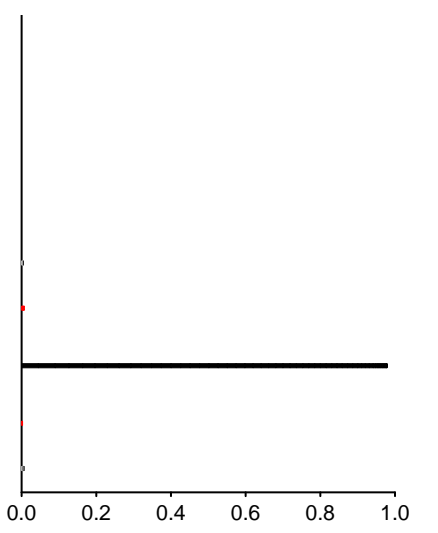
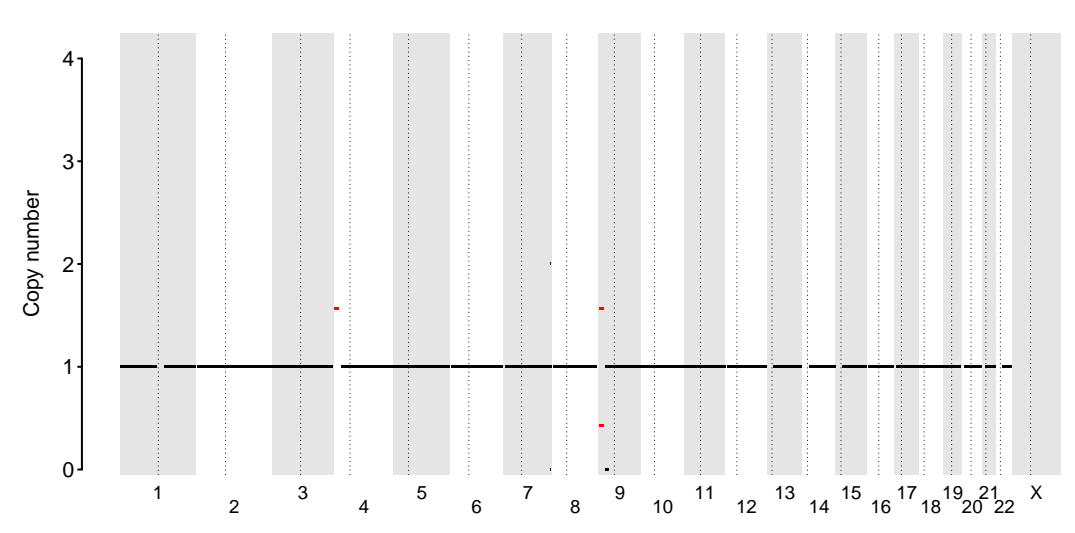
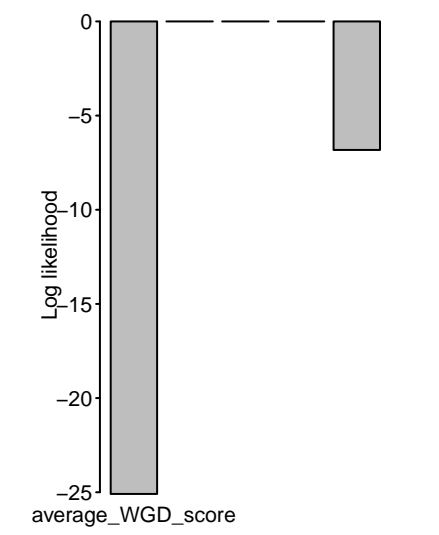
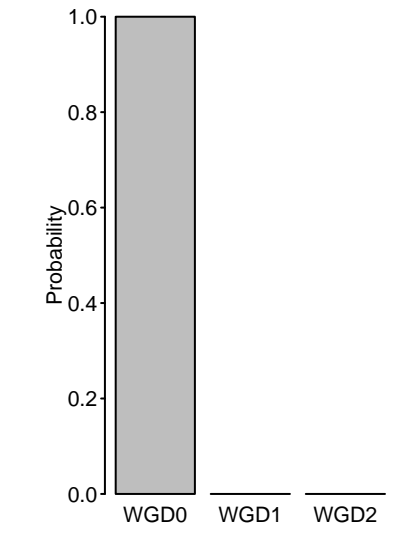
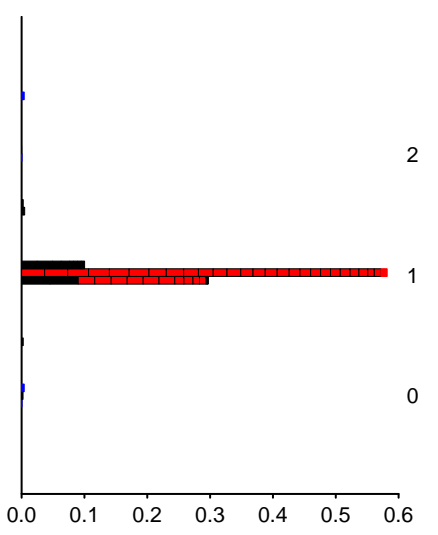
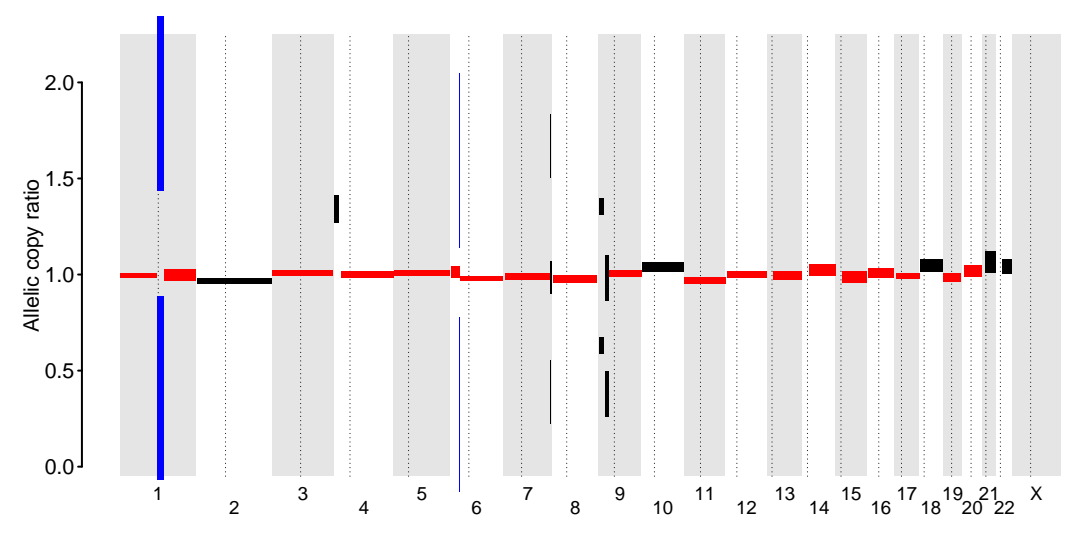
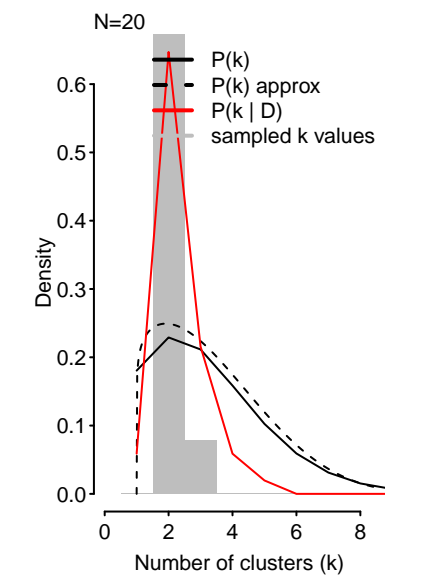
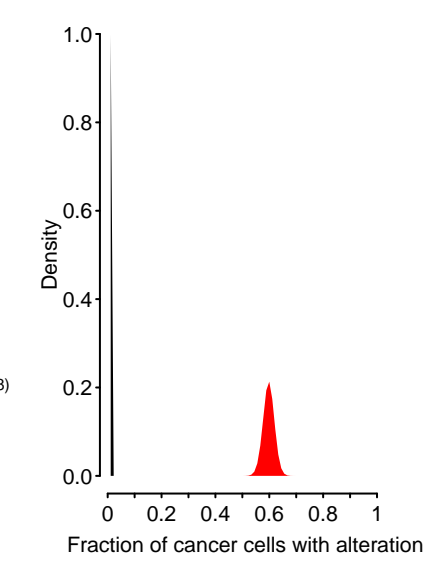
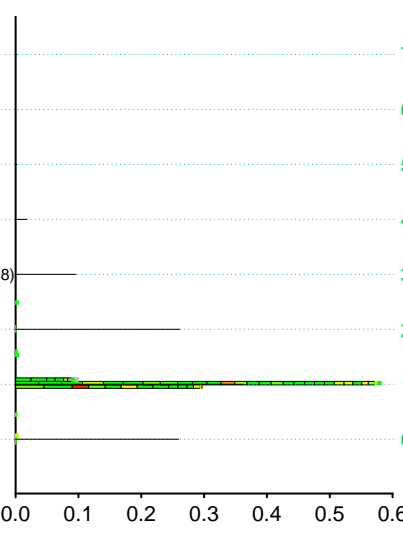
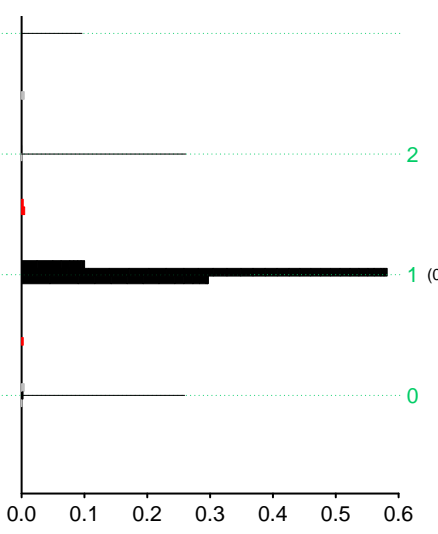
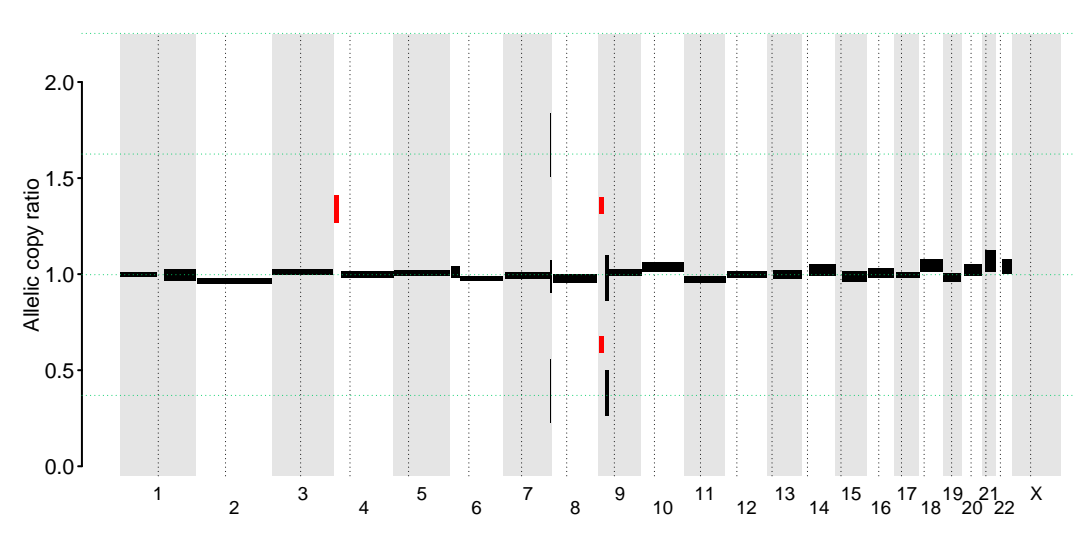
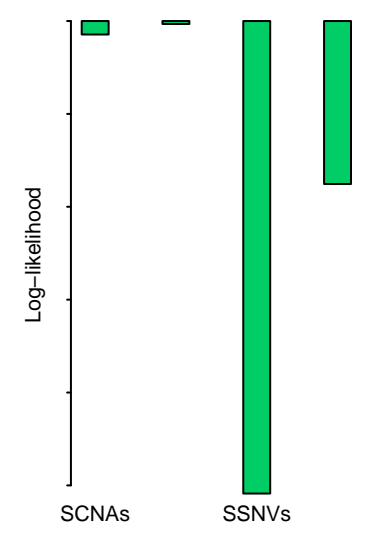
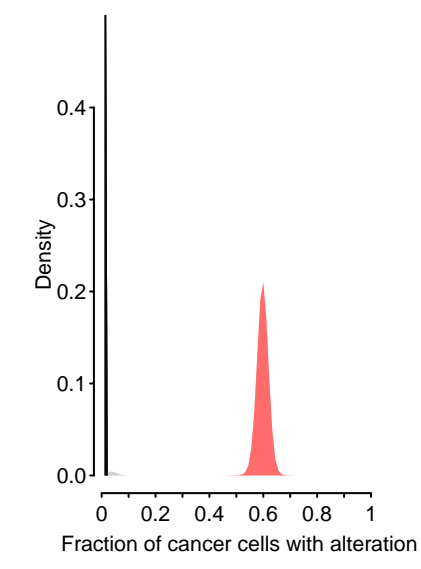
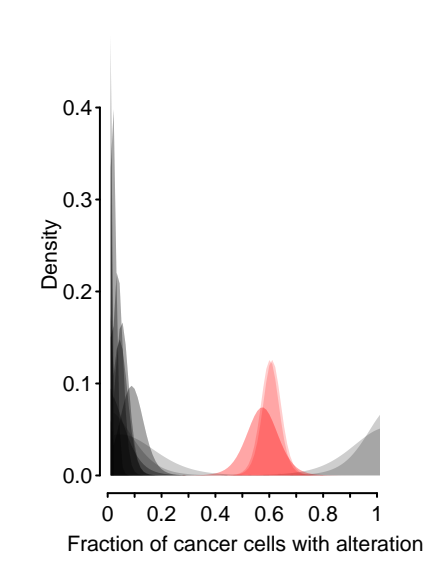
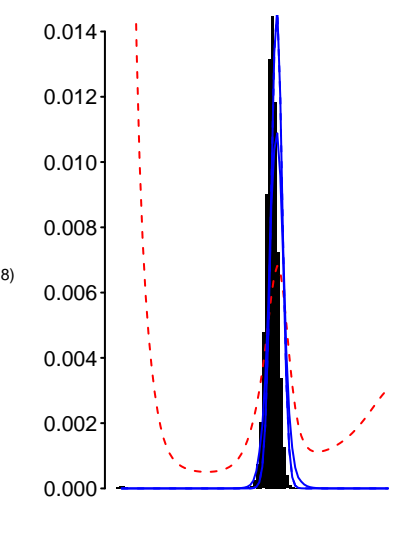
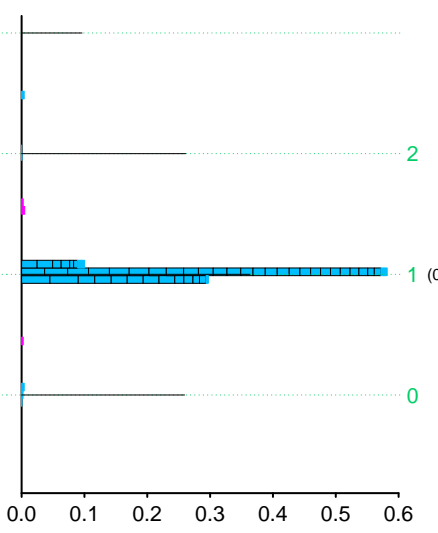
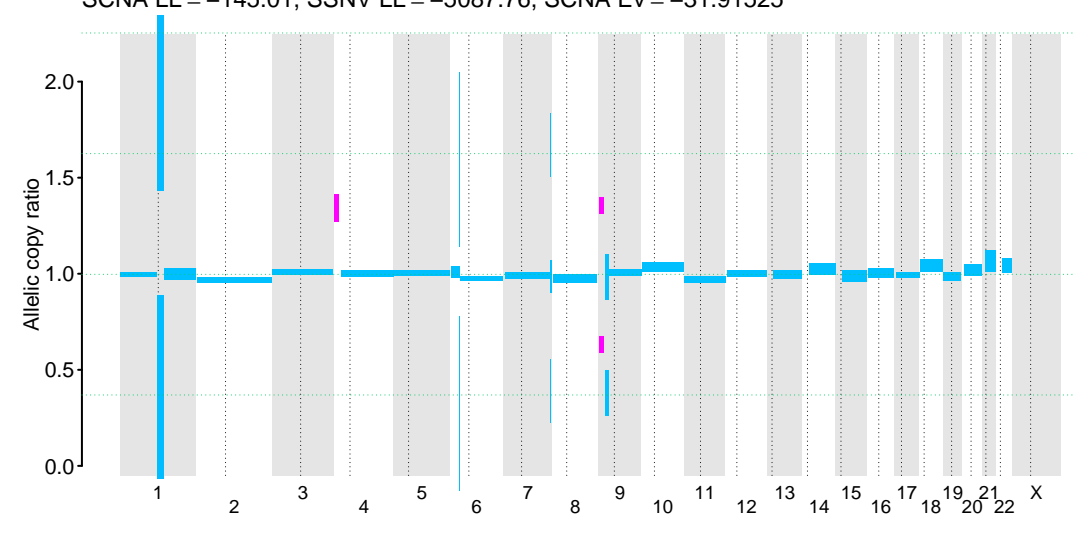
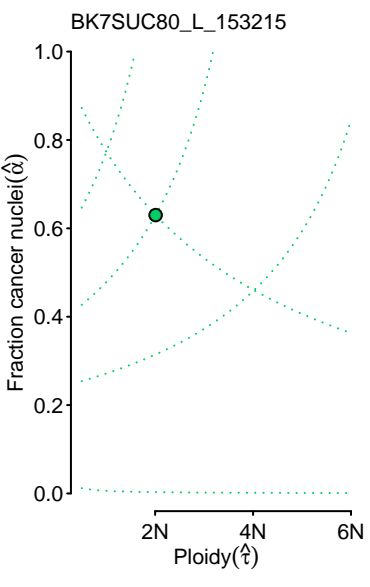
purity($\hat{\alpha}$) = 0.46, ploidy: $\hat{\tau} = 1.82$, $\hat{\tau}_g = 1.99$
 $\theta_z = 0$, $\theta_0 = 1.189$, WGD=0
 SCNA LL = -190.33, SSNV LL = -4487.19, SCNA Ev = -29.60161



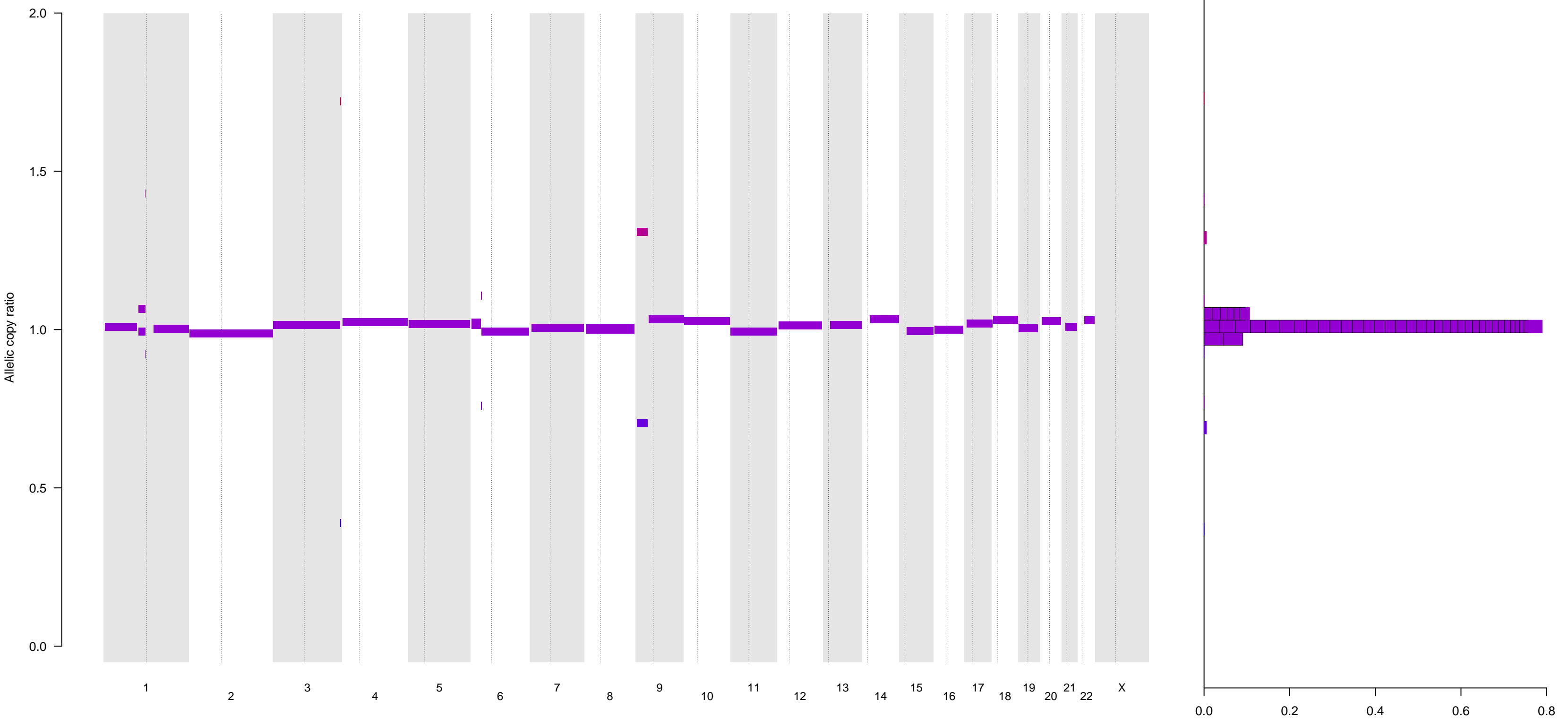
Sample 51



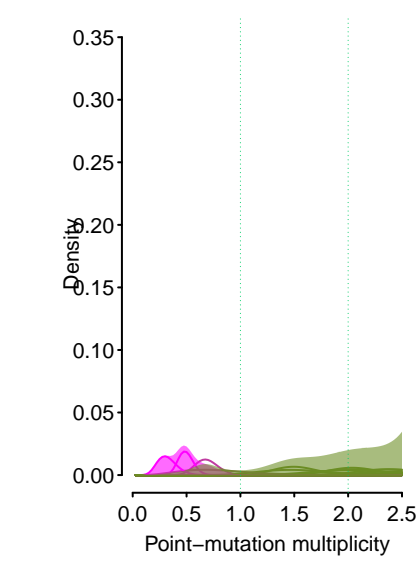
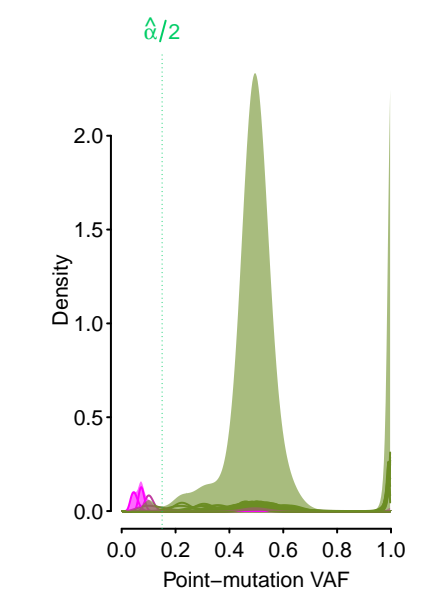
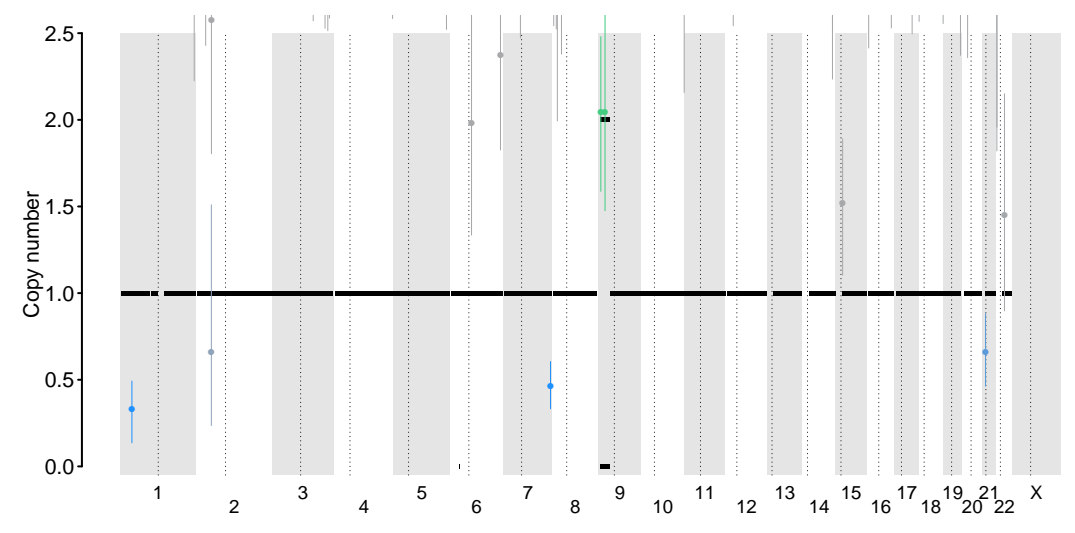
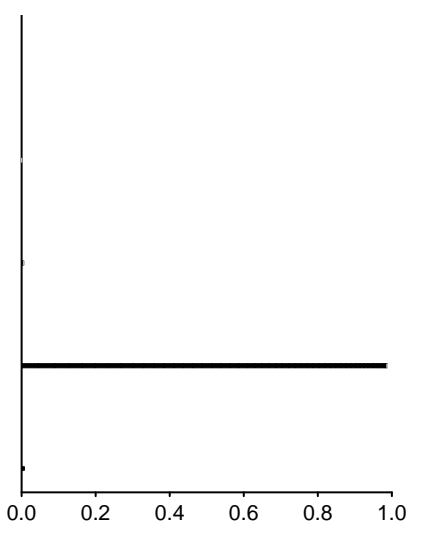
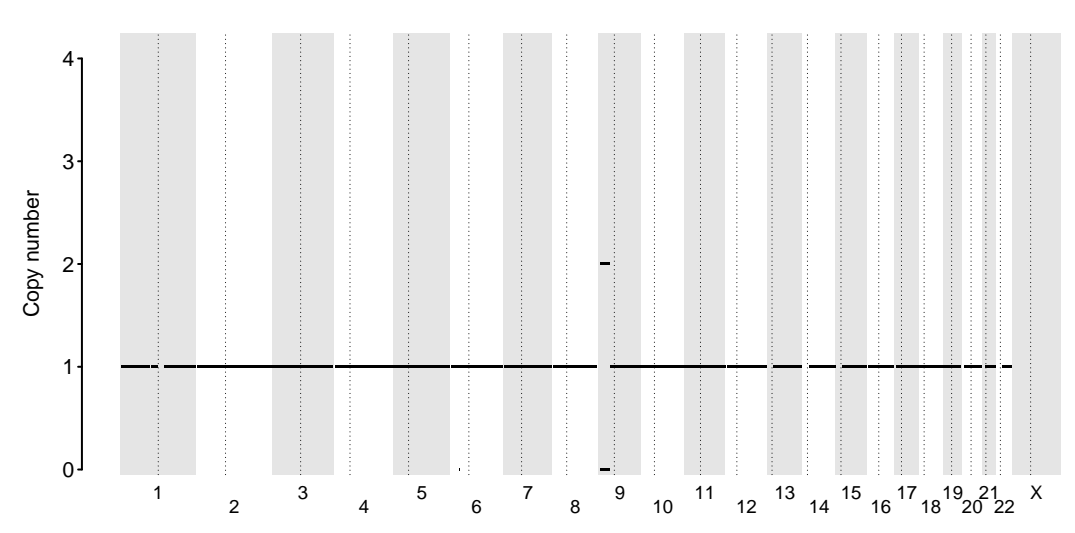
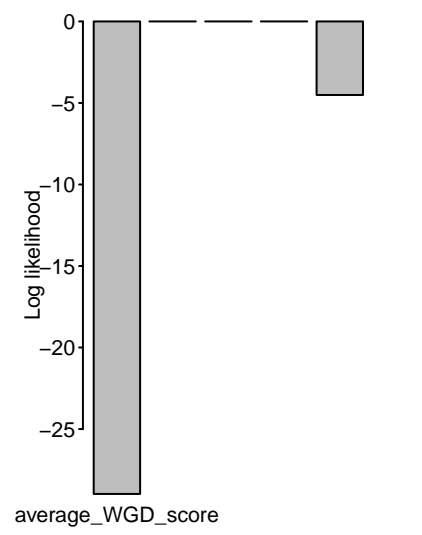
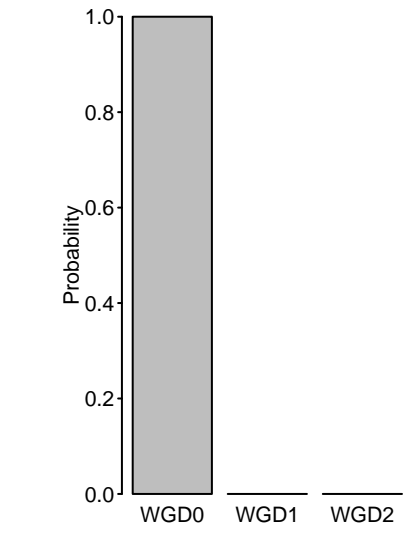
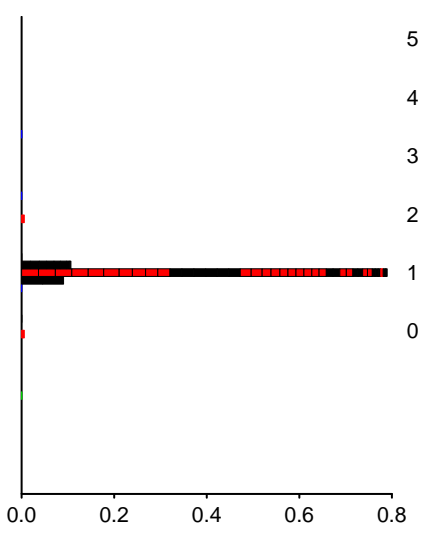
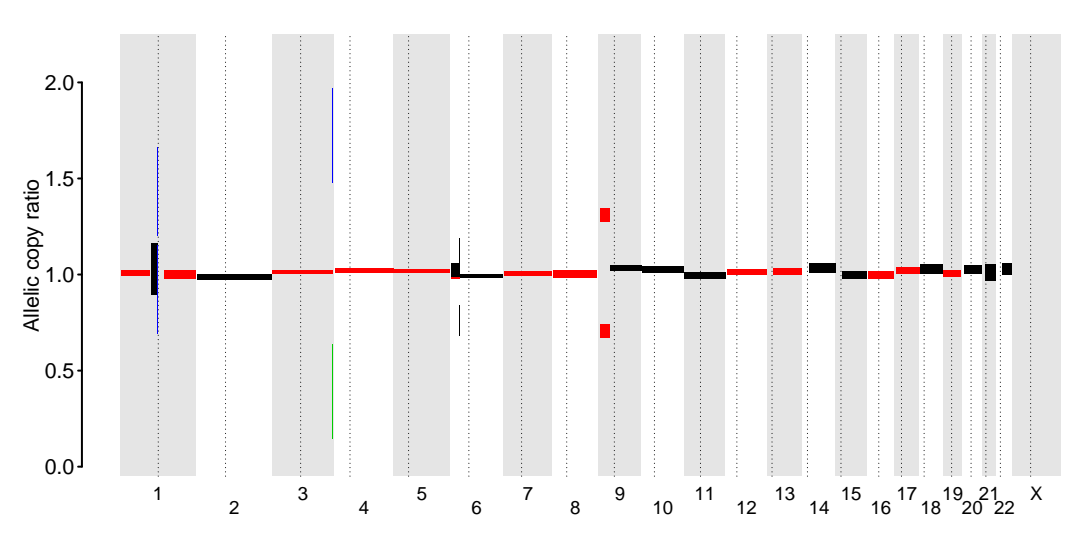
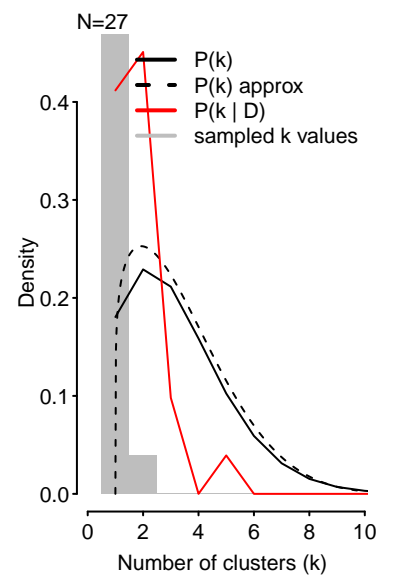
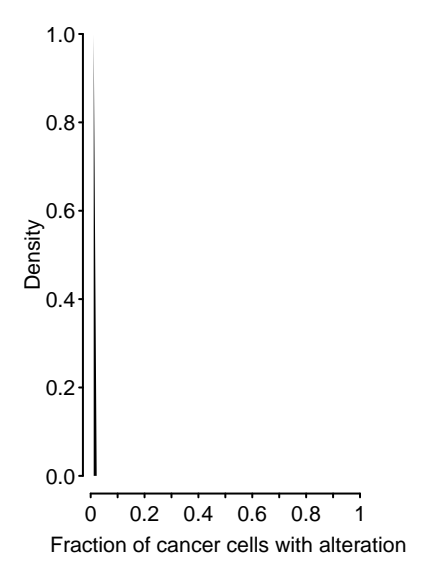
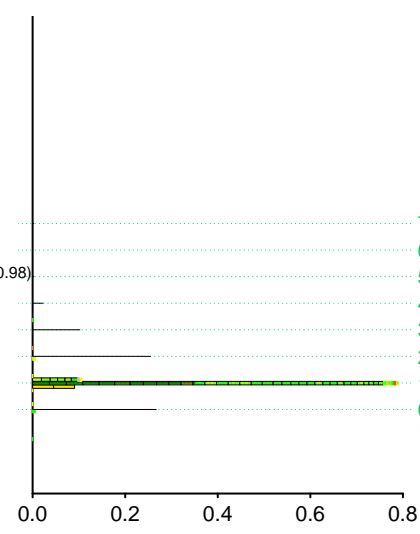
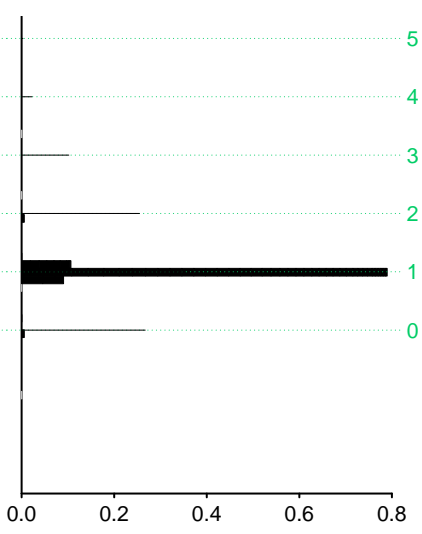
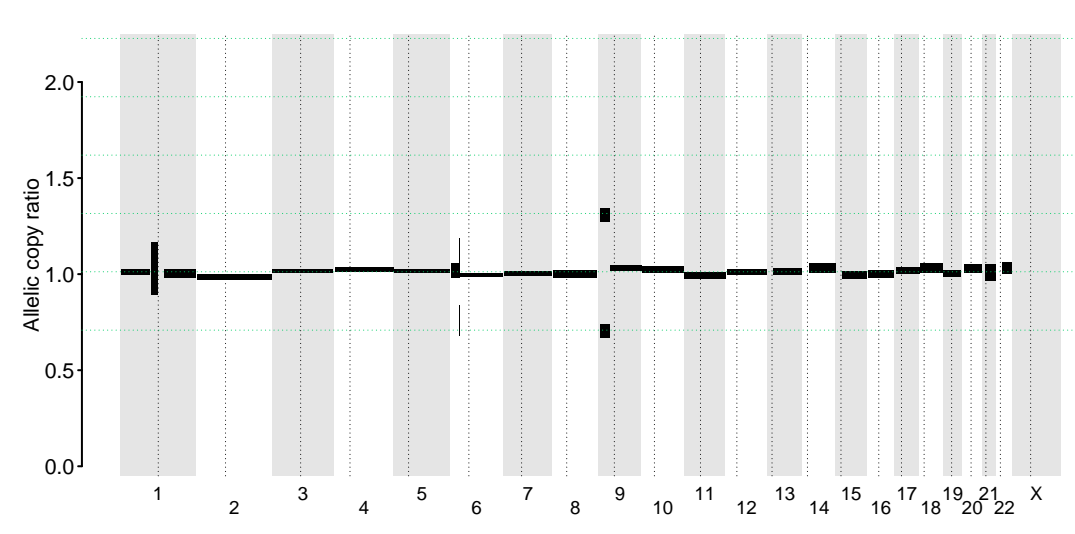
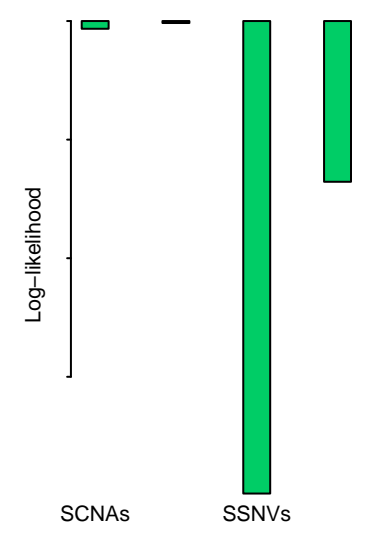
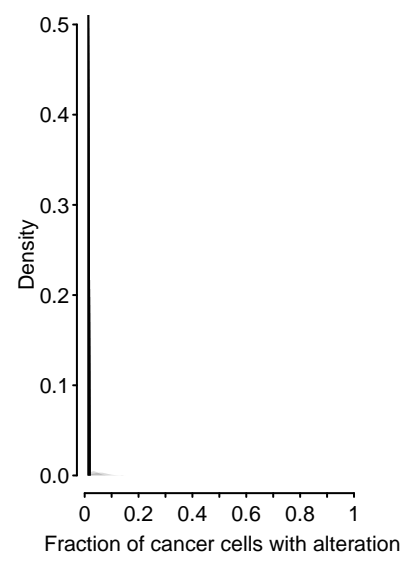
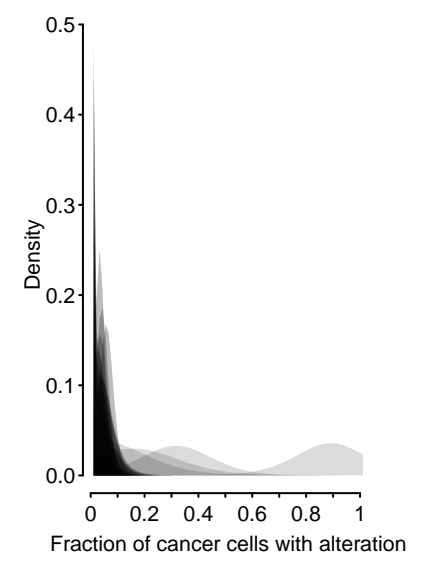
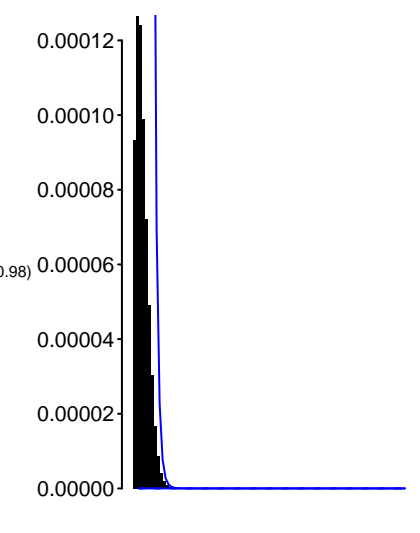
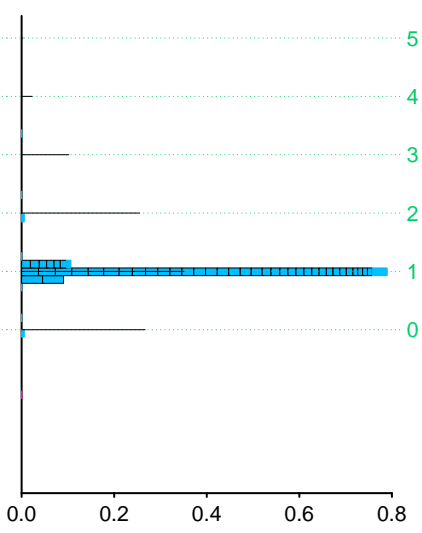
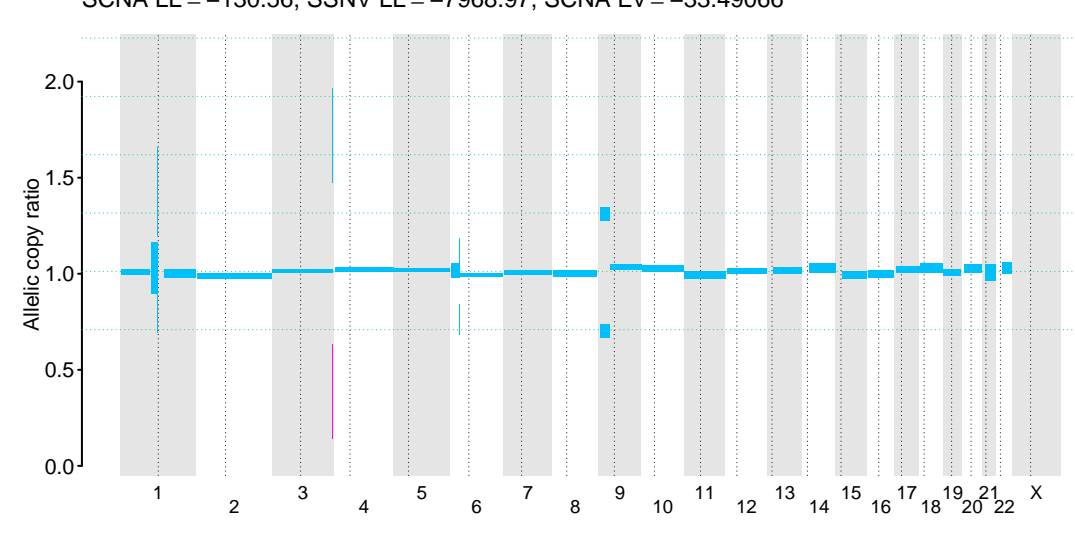
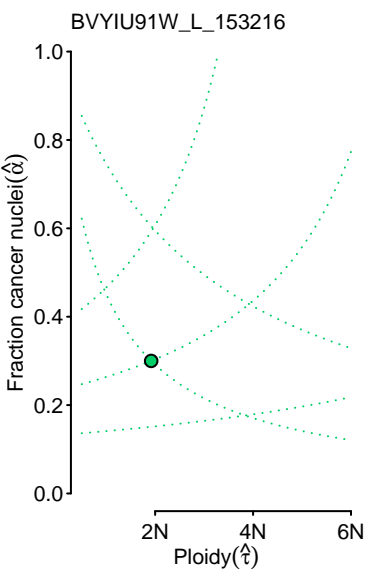
$\hat{\alpha} = 0.63$, purity: $\hat{p} = 2.01$, $\hat{t}_g = 2.01$
 $\theta_z = 0.01$, $\theta_Q = 1.223$, WGD=0
 SCNA LL = -145.01, SSNV LL = -5087.76, SCNA Ev = -31.91525



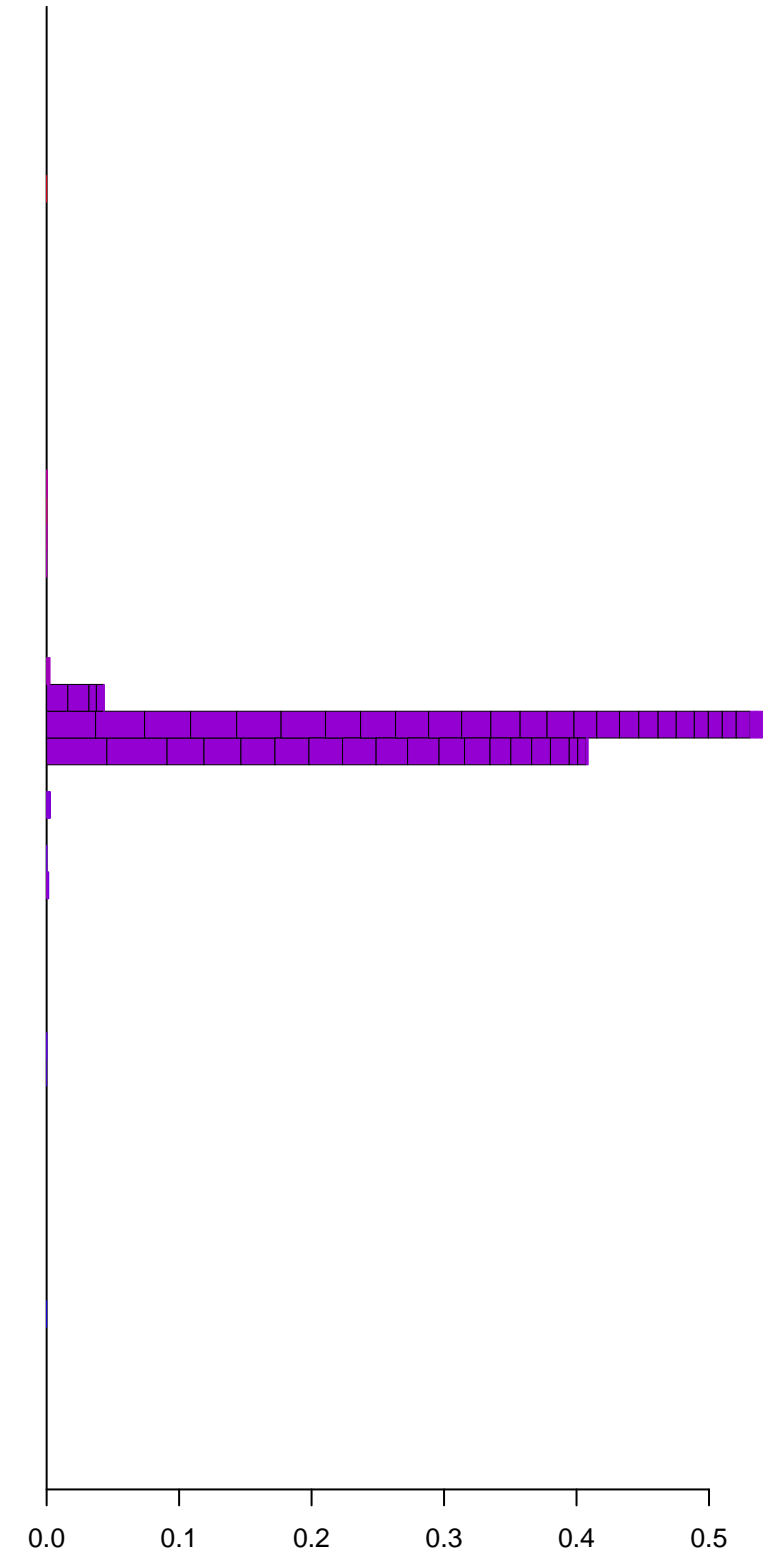
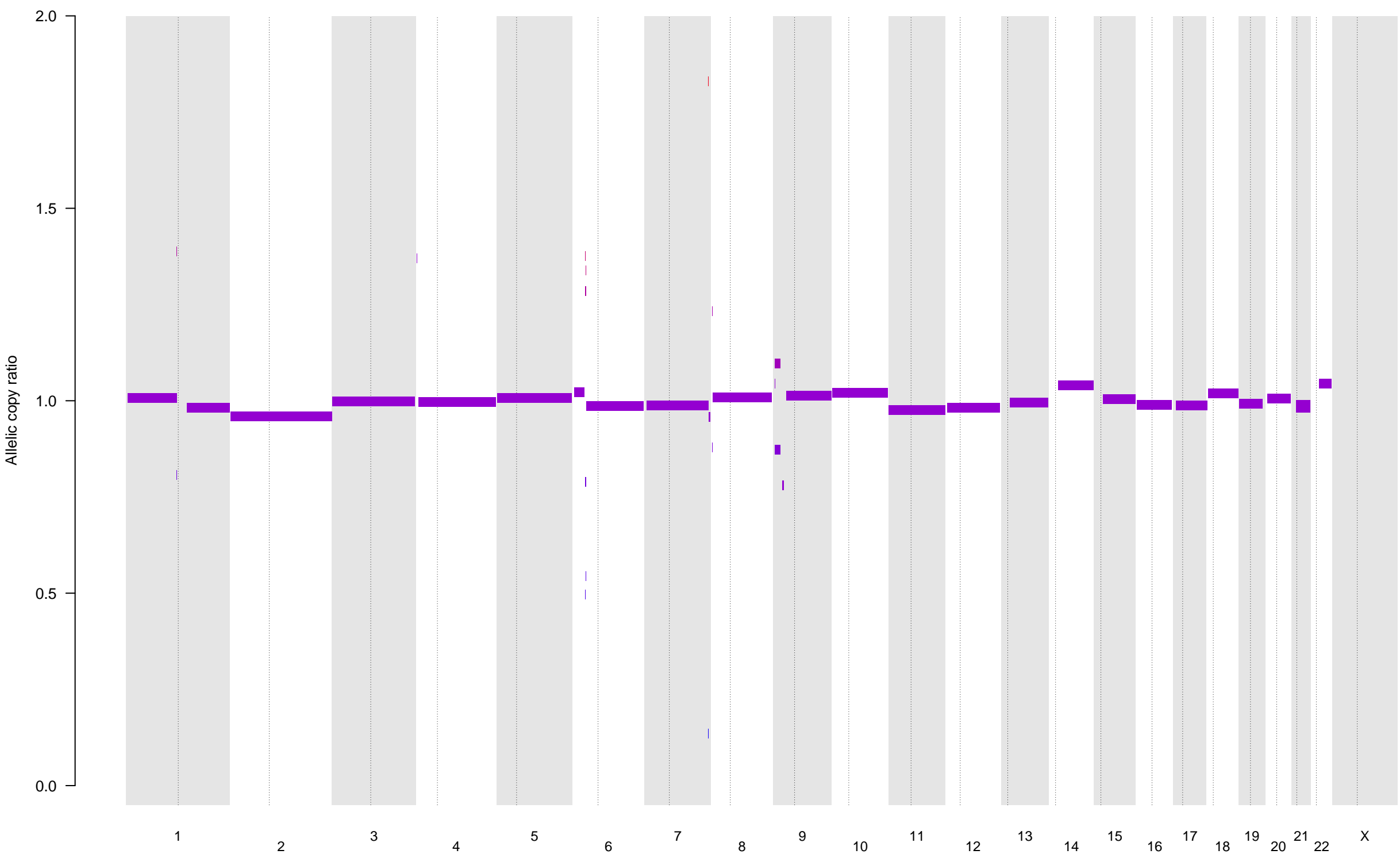
Sample 52



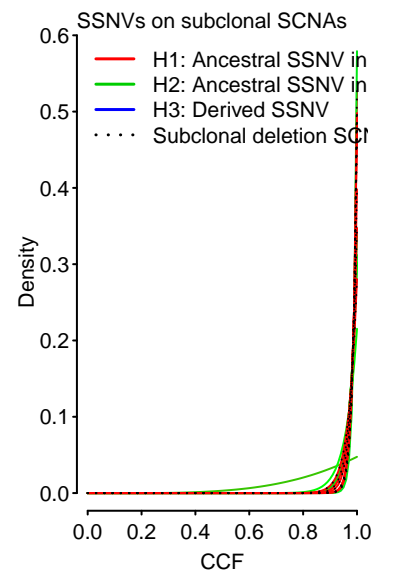
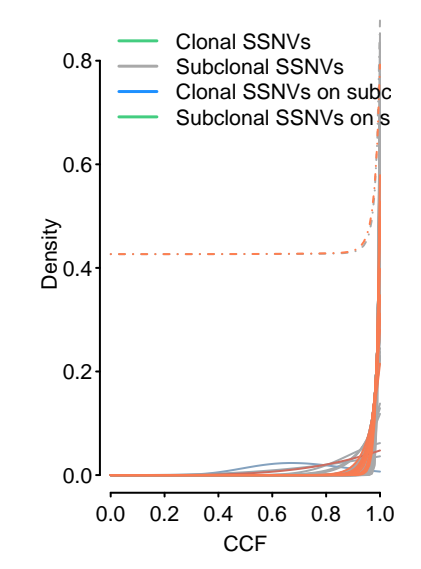
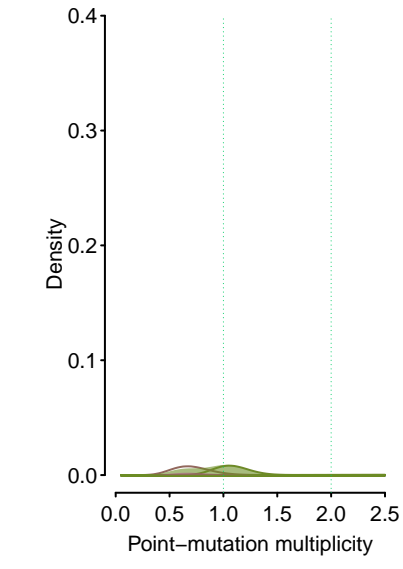
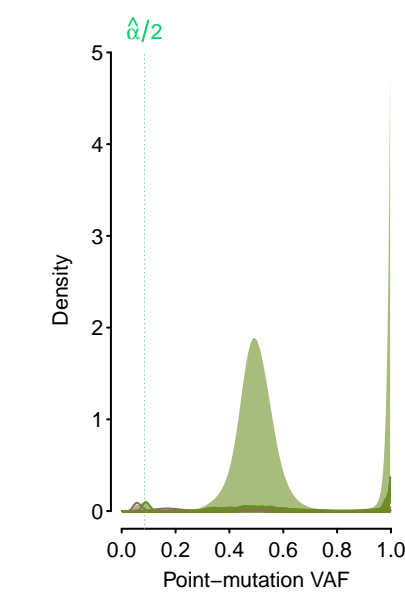
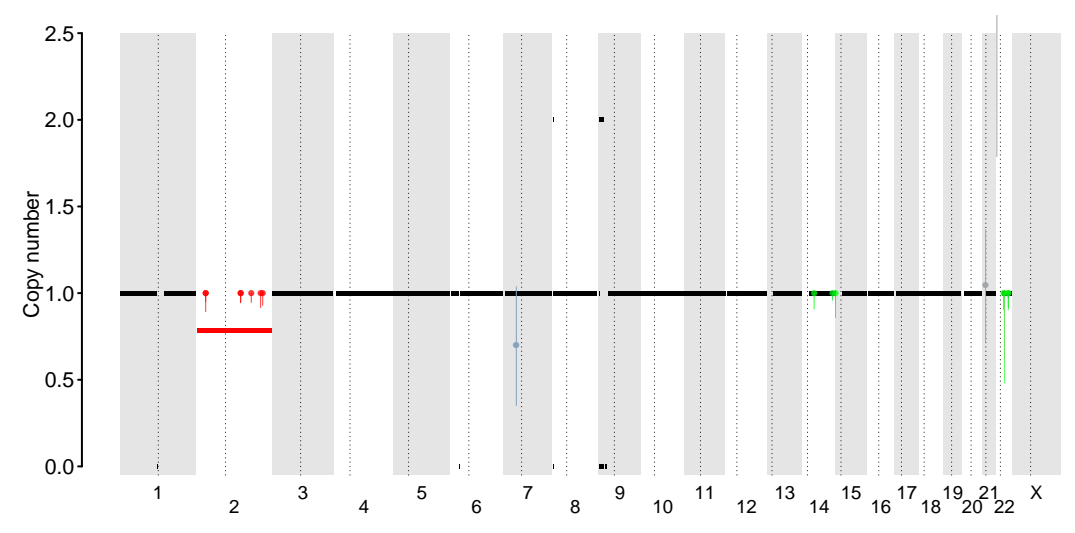
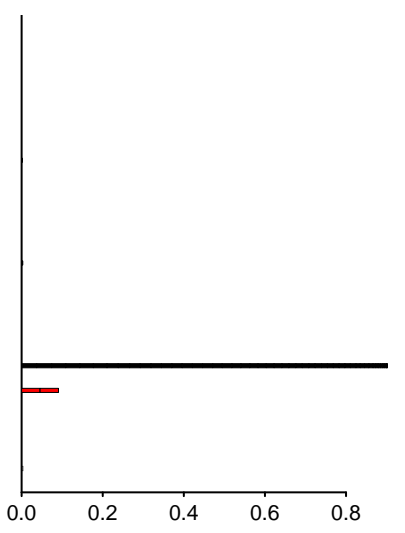
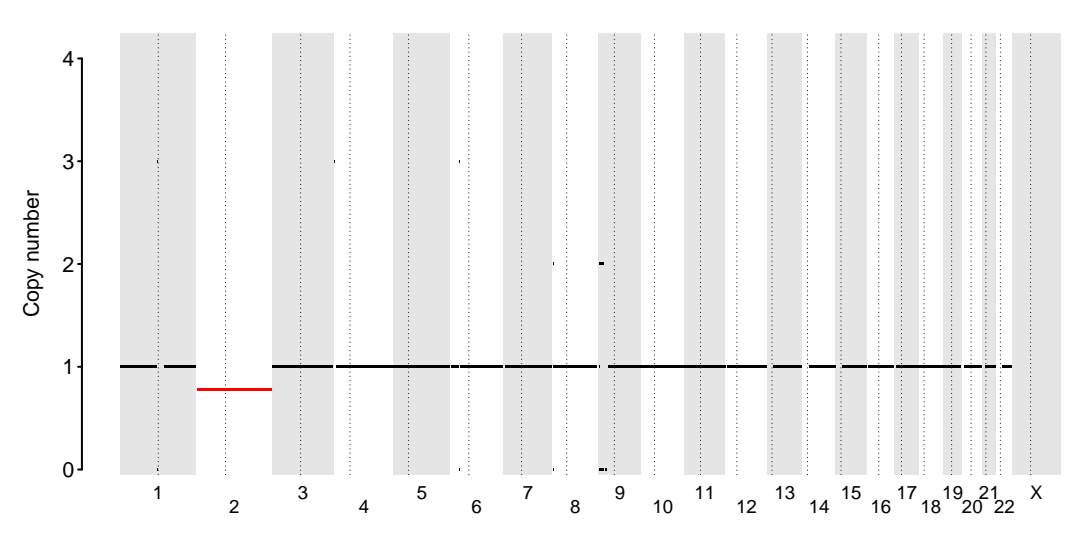
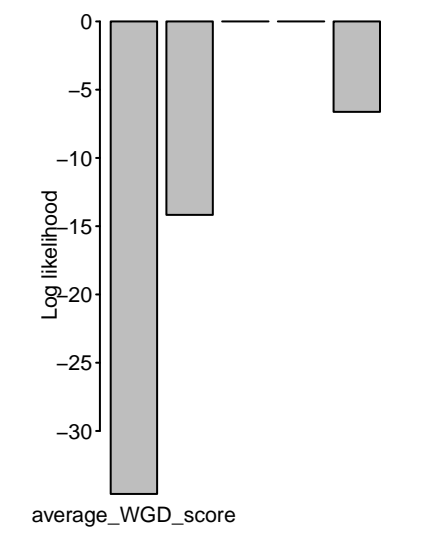
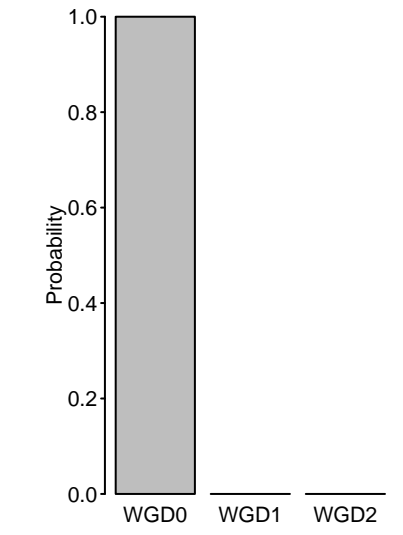
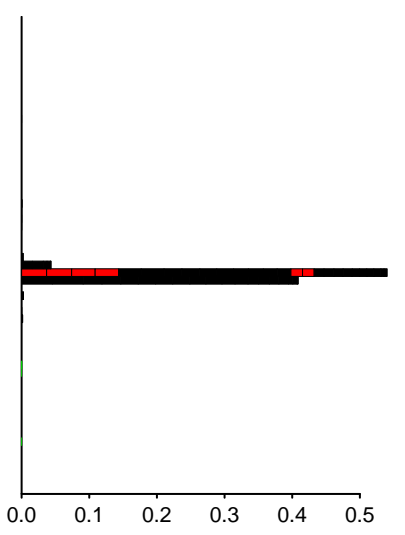
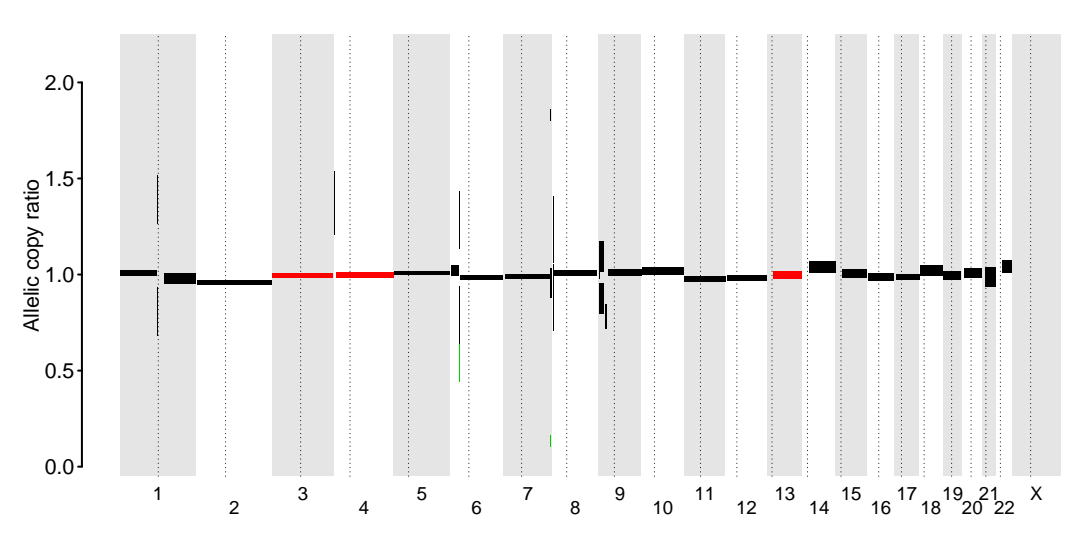
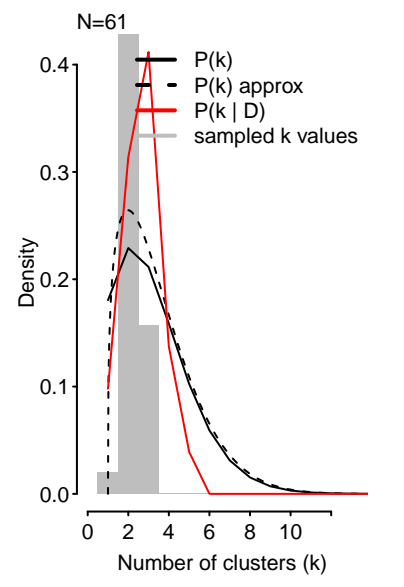
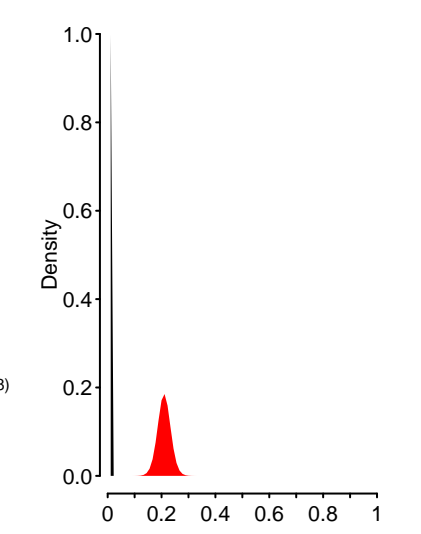
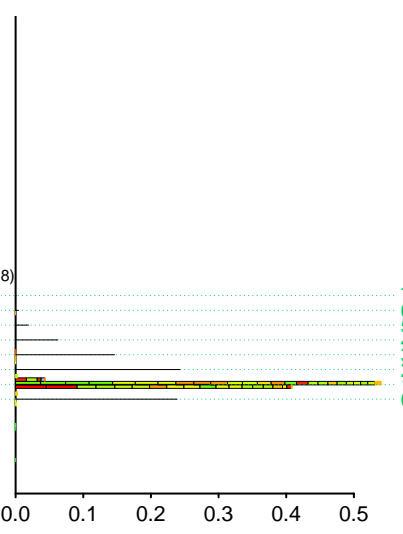
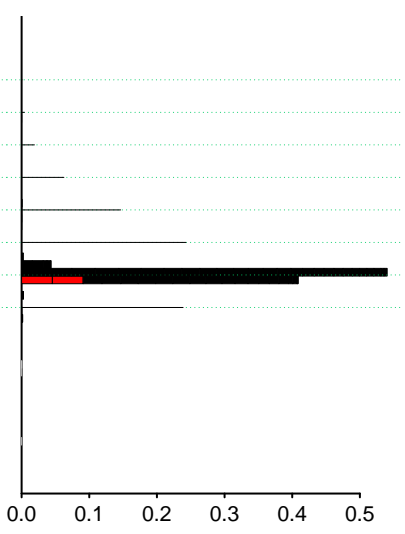
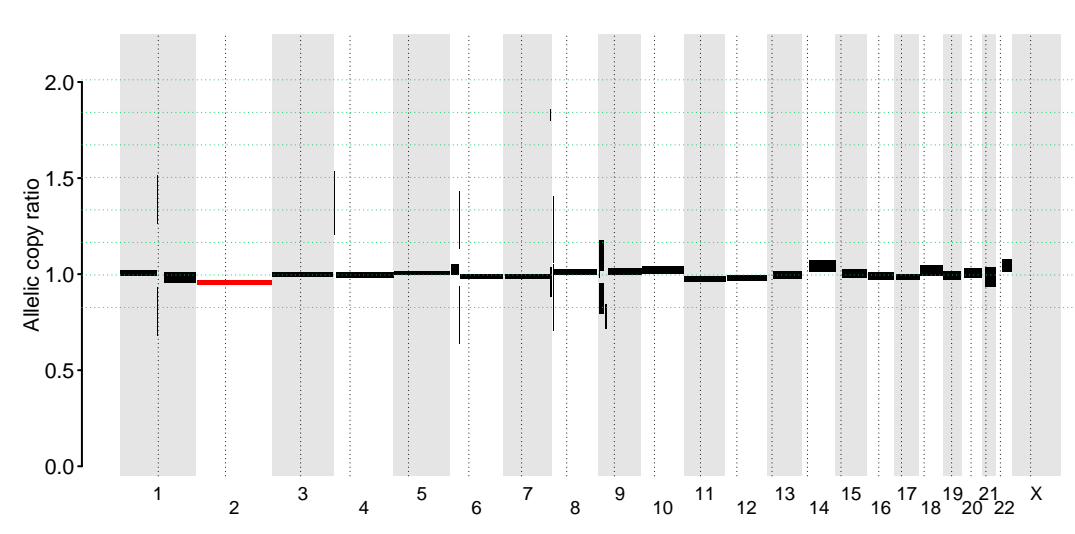
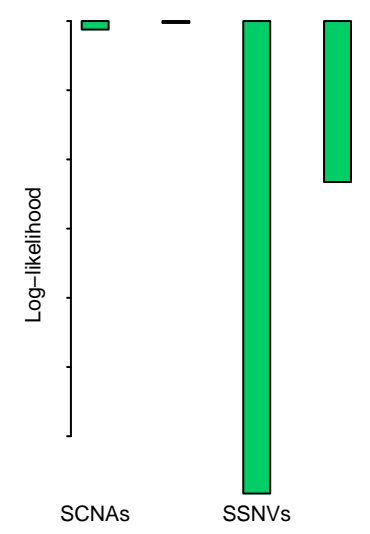
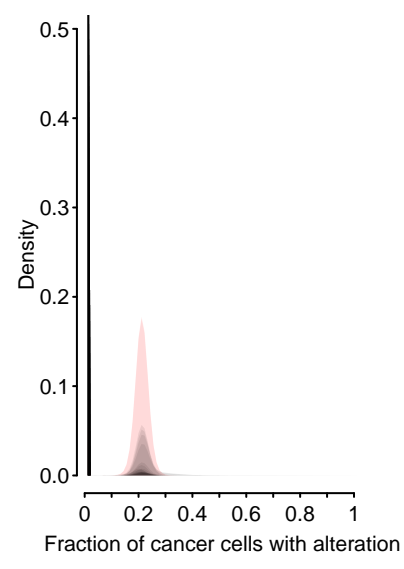
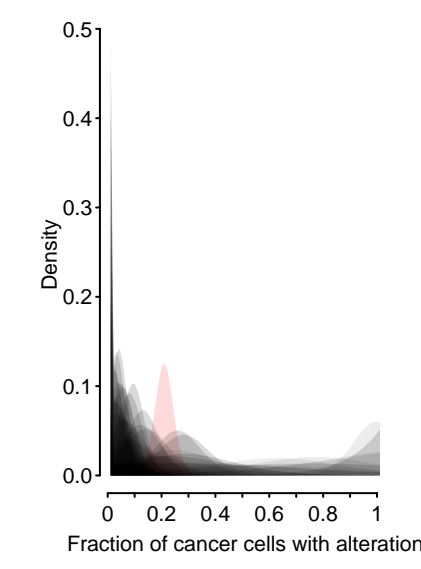
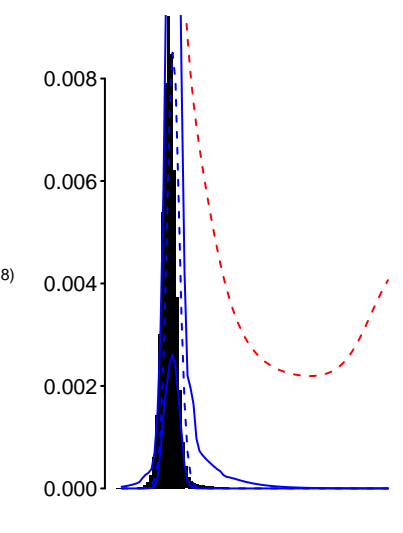
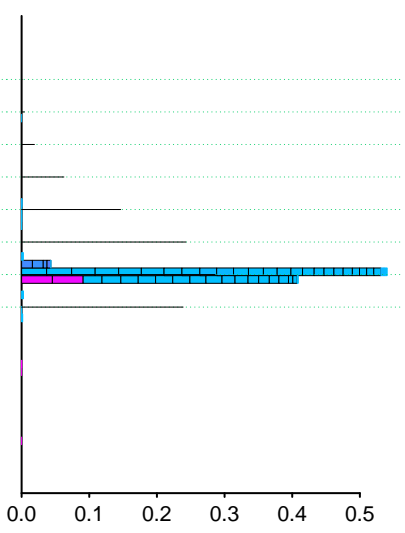
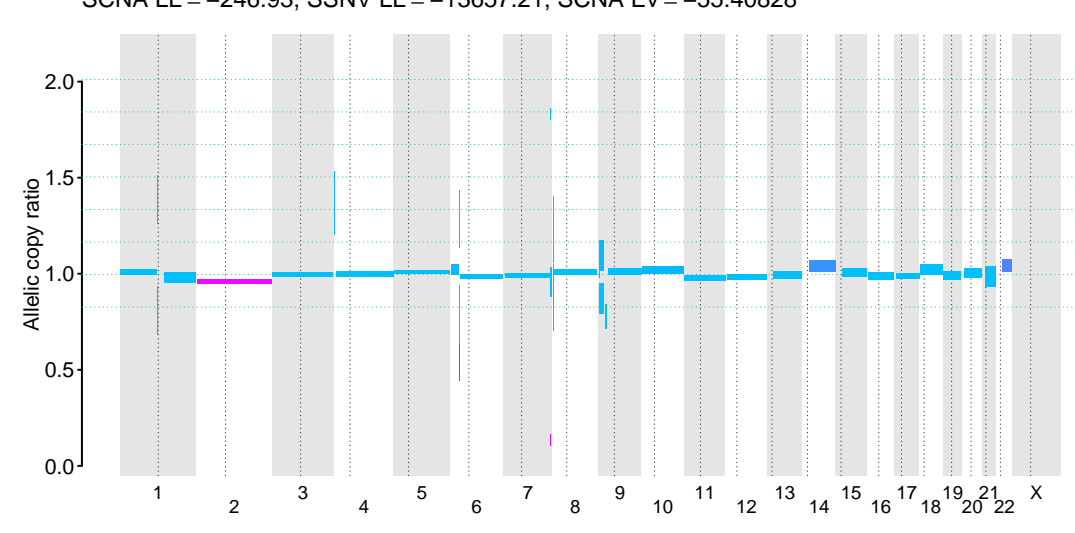
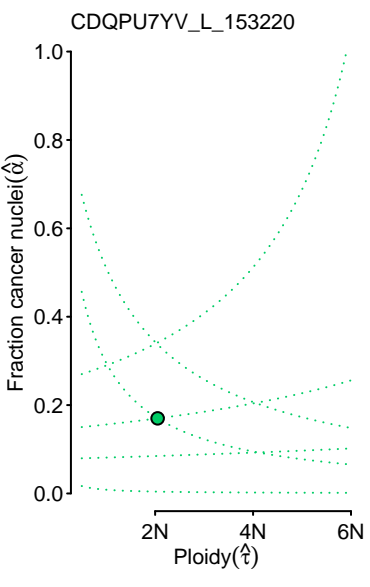
purity($\hat{\alpha}$) = 0.3, ploidy: $\hat{t} = 1.92$, $\hat{t}_0 = 2$
 $\theta_z = 0$, $\theta_0 = 1.298$, WGD=0
 SCNA LL = -130.56, SSNV LL = -7968.97, SCNA Ev = -33.49066



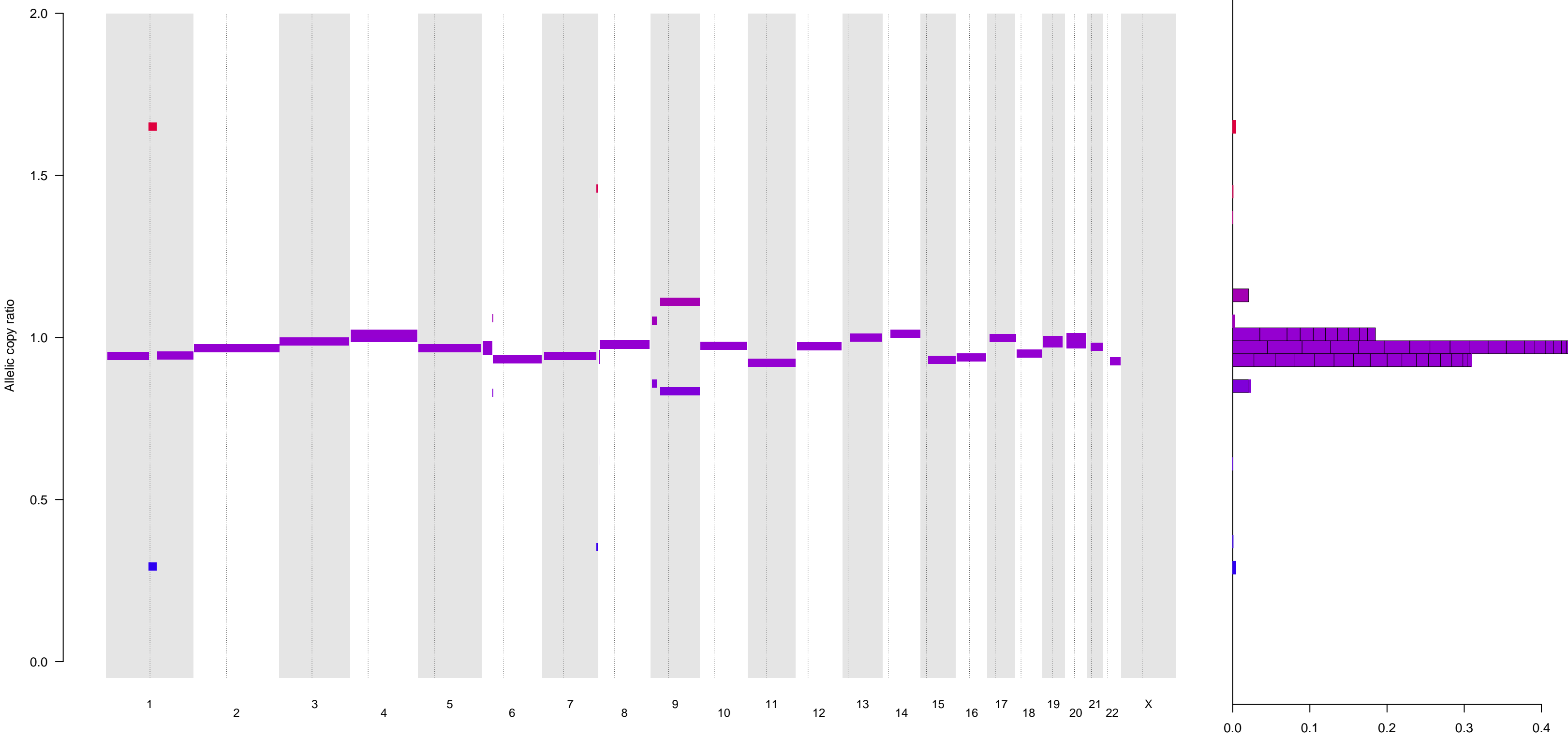
Sample 53



$\hat{\alpha}_x = 0.17$, ploidy: $\hat{\tau} = 2.05$, $\hat{\tau}_g = 2$
 $\theta_z = 0.1$, $\theta_0 = 1.706$, WGD=0
 SCNA LL = -246.93, SSNV LL = -13657.21, SCNA Ev = -55.40828

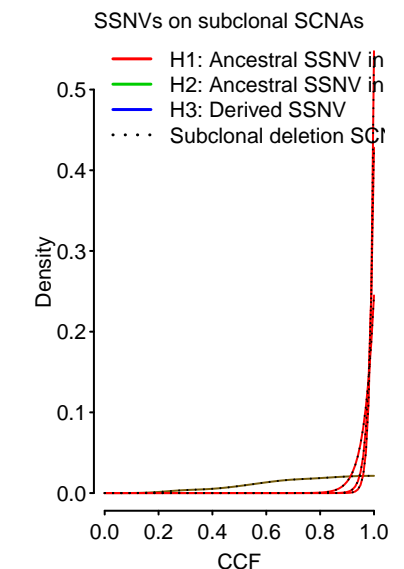
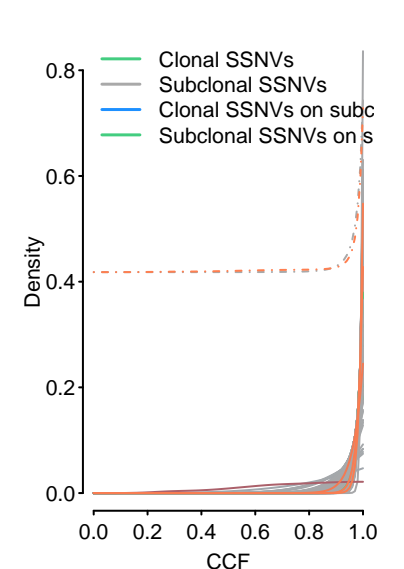
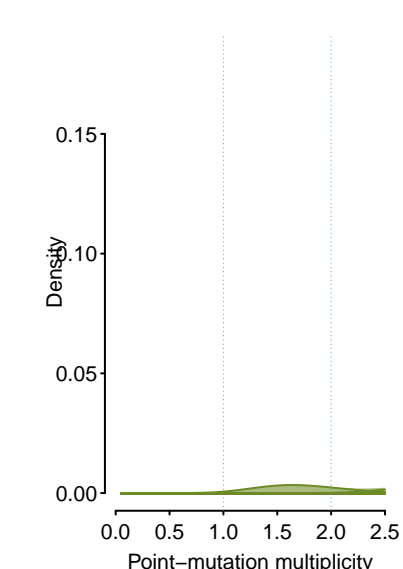
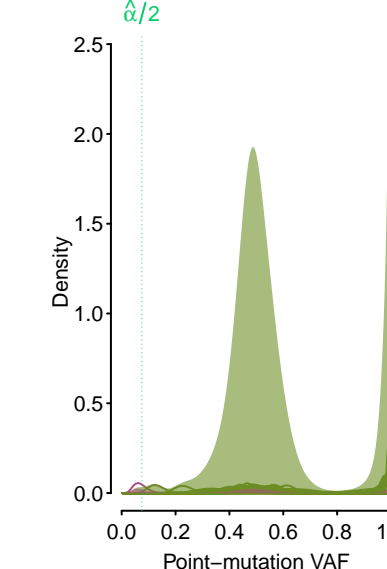
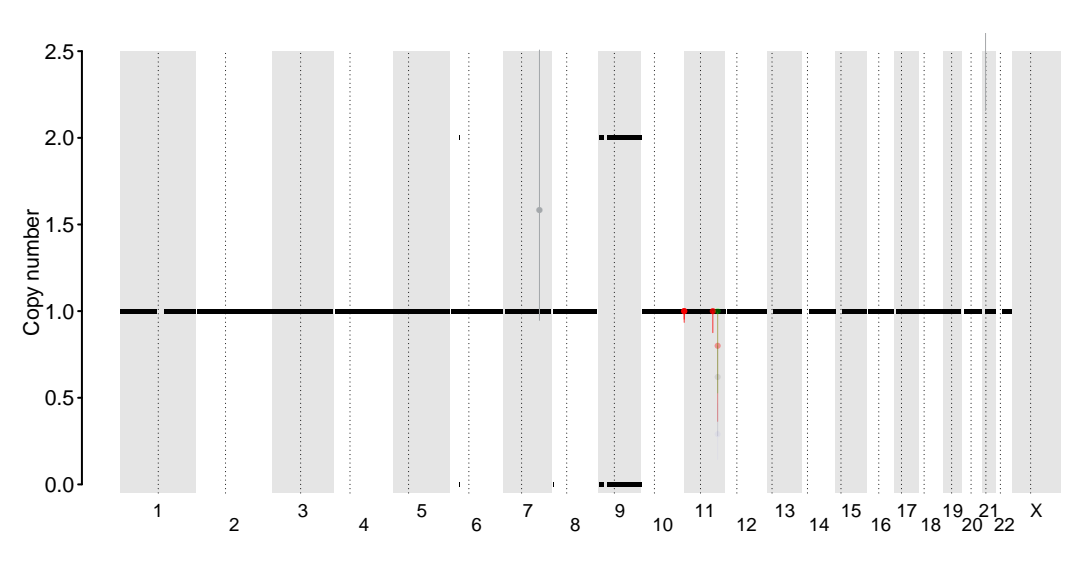
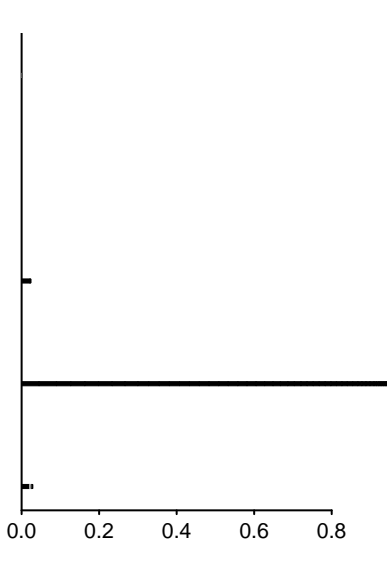
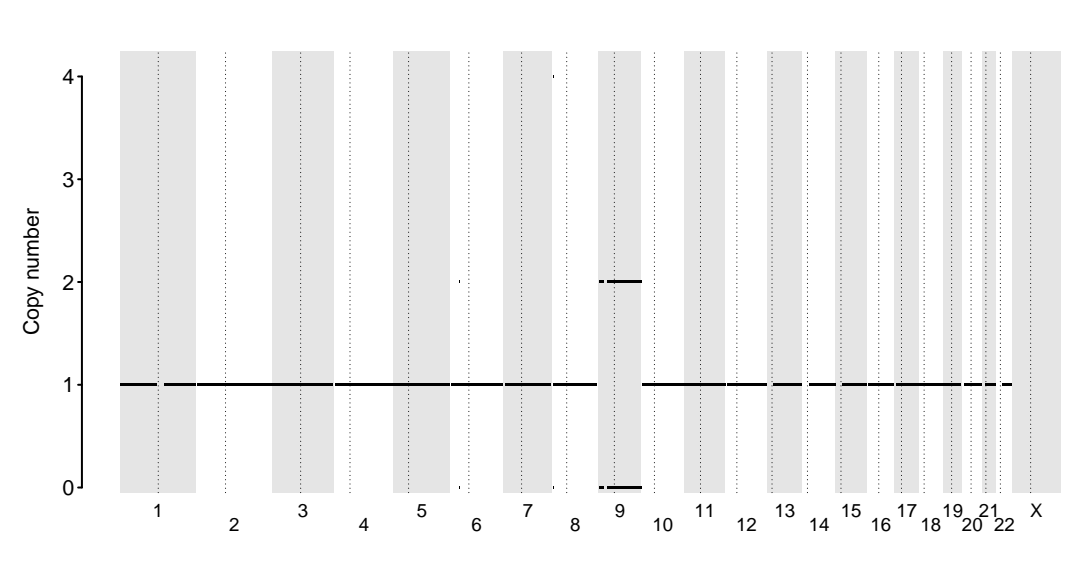
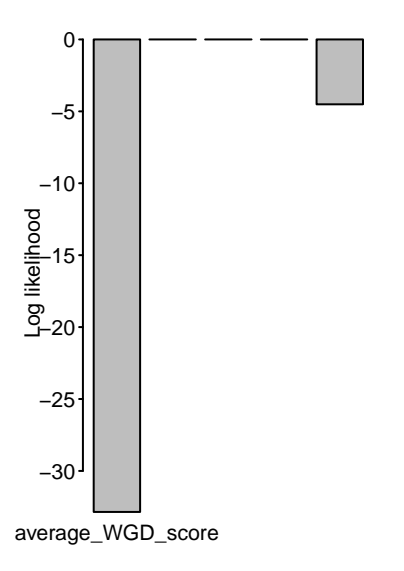
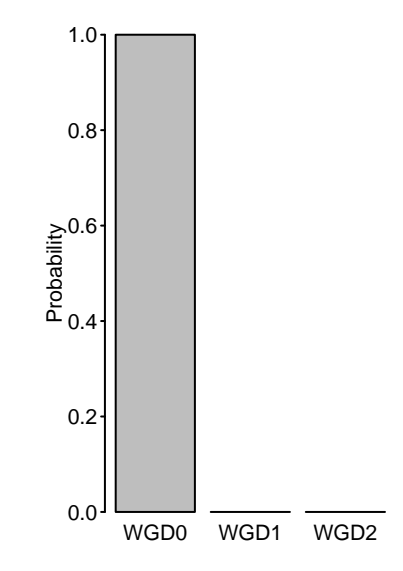
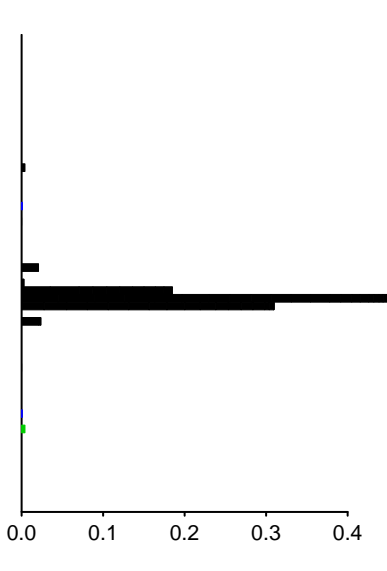
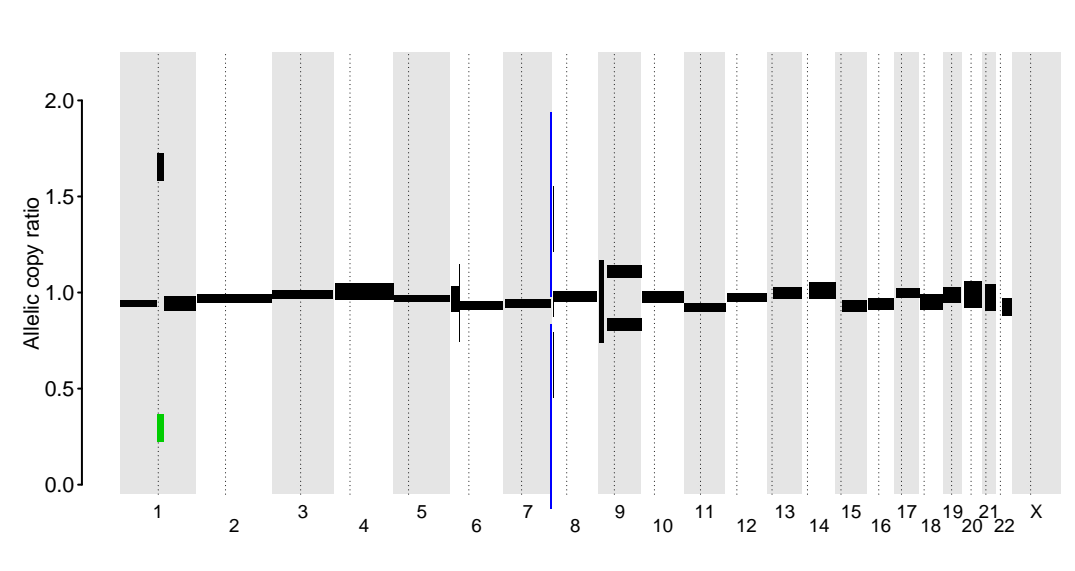
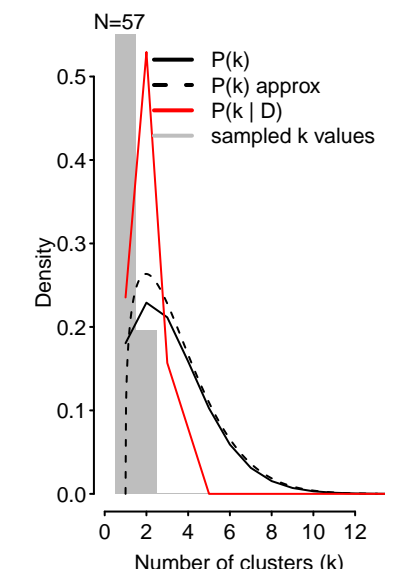
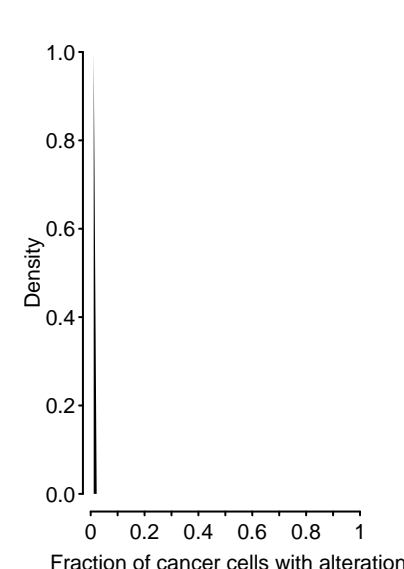
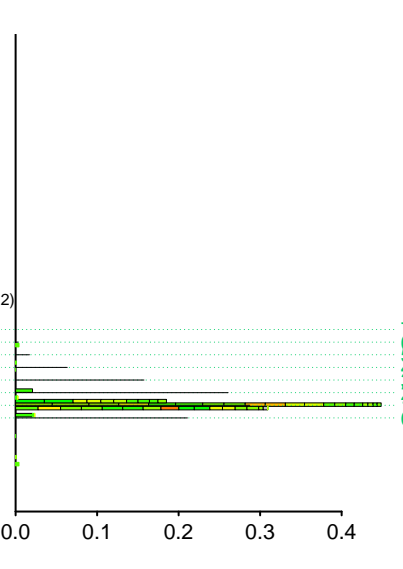
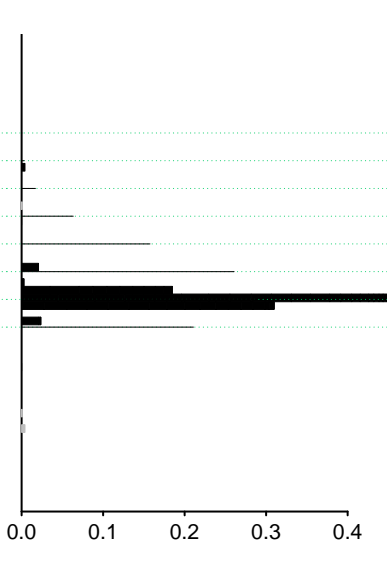
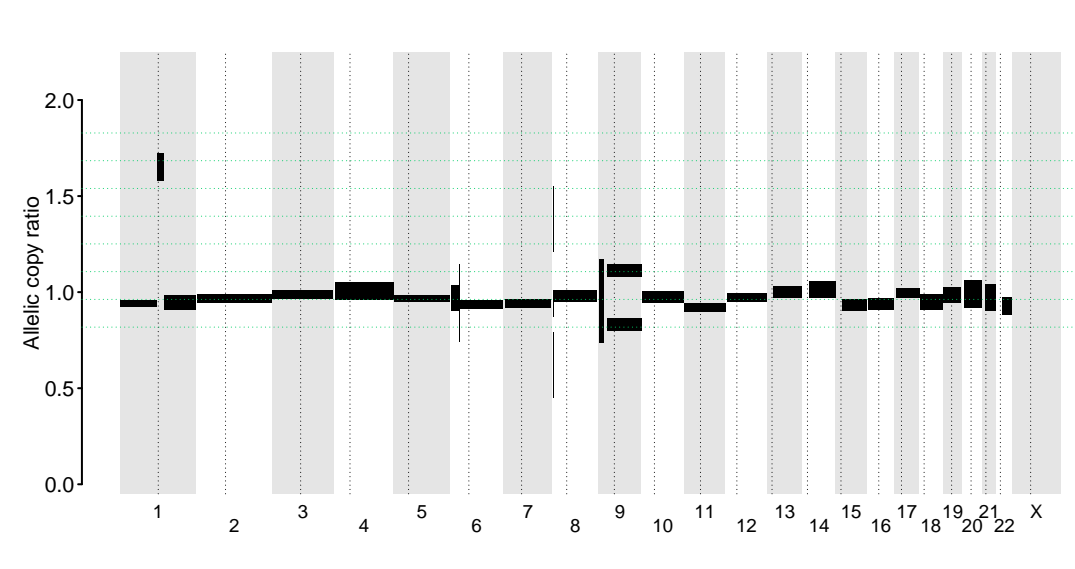
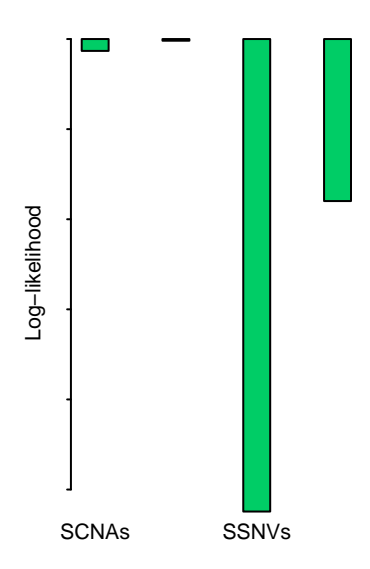
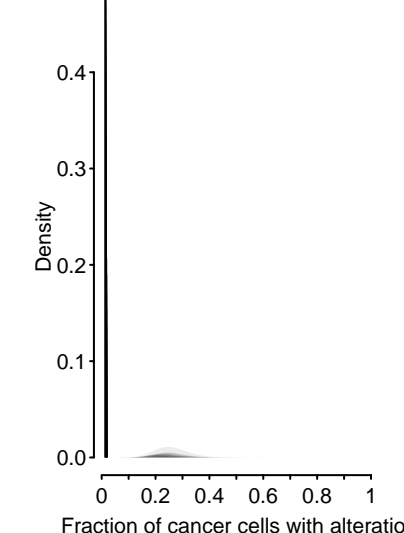
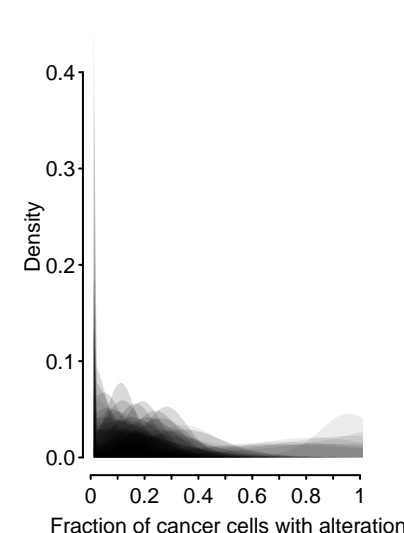
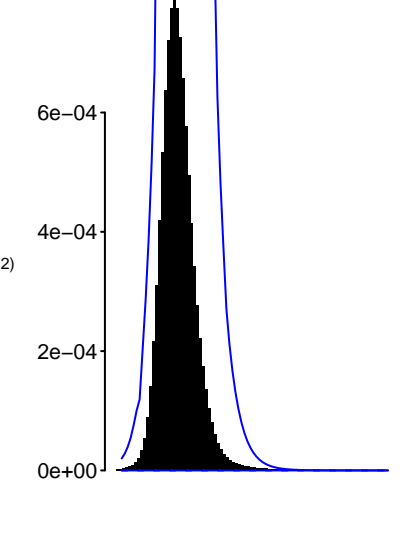
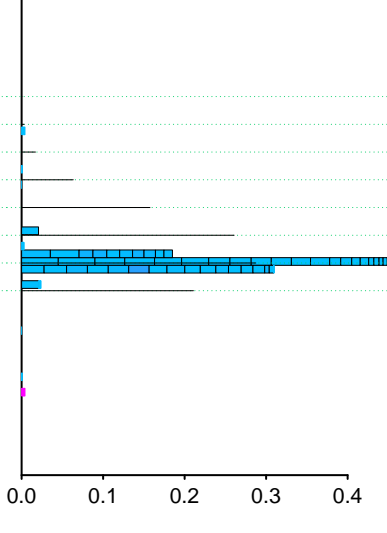
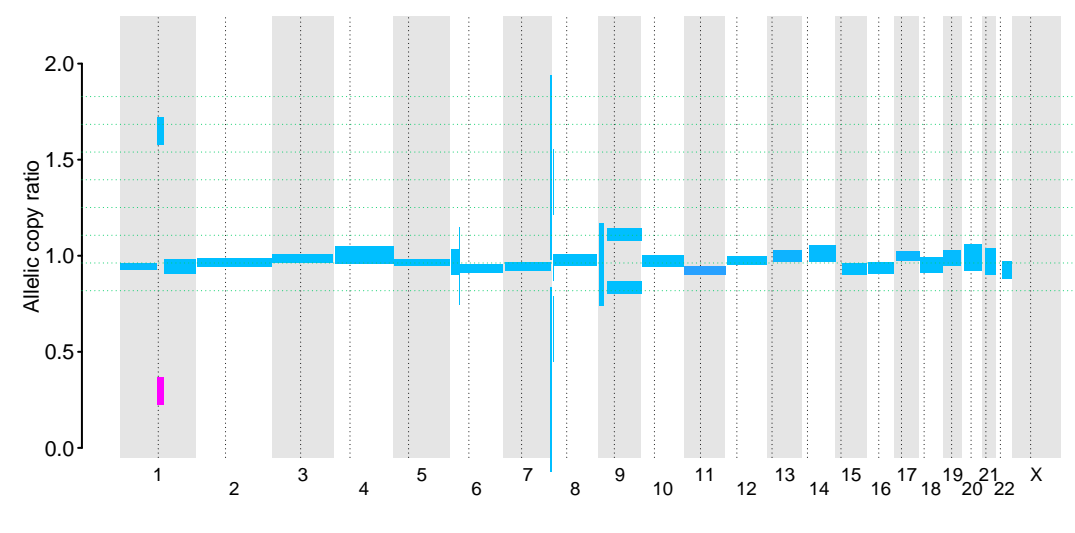
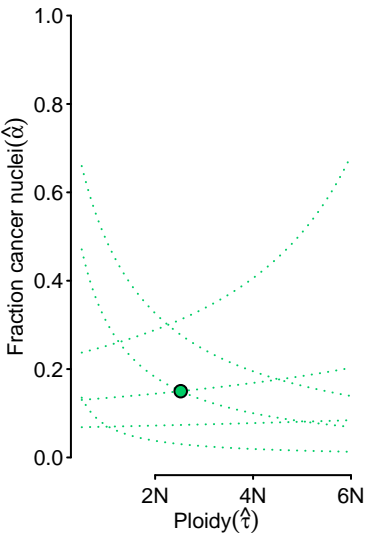


Sample 56

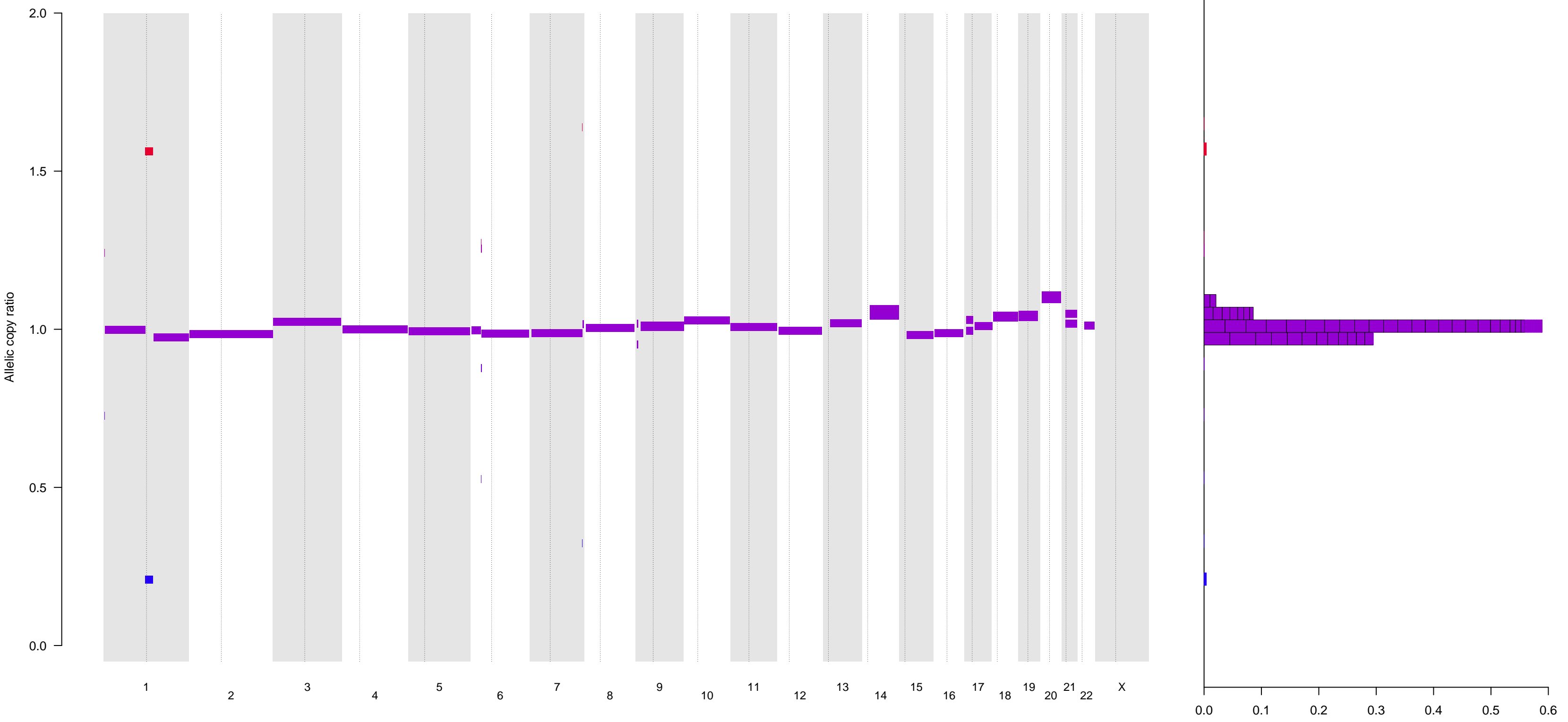


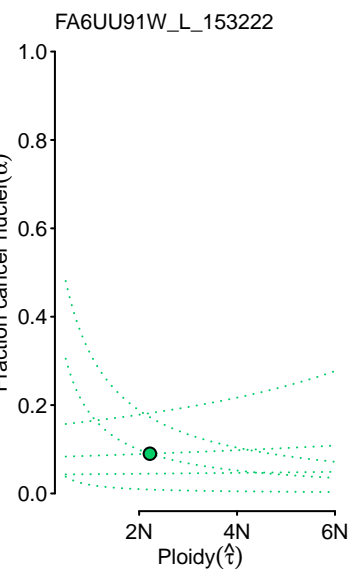
EJZHUA60_L_153221

purity($\hat{\alpha}$) = 0.15, ploidy: $\hat{t} = 2.52$, $\hat{t}_g = 2.04$
 $\theta_z = 0.02$, $\theta_a = 1.568$, WGD=0
SCNA LL = -263.48, SSNV LL = -10488.28, SCNA Ev = -37.36297

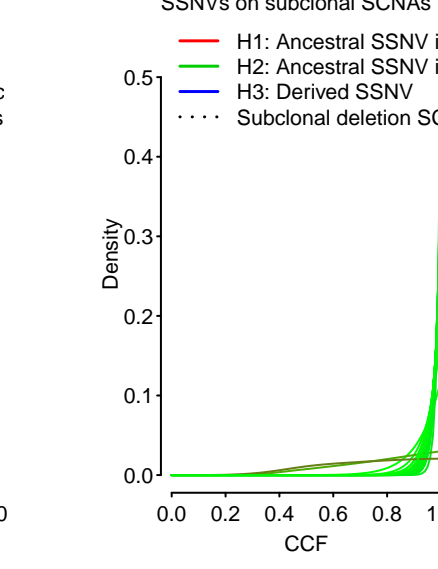
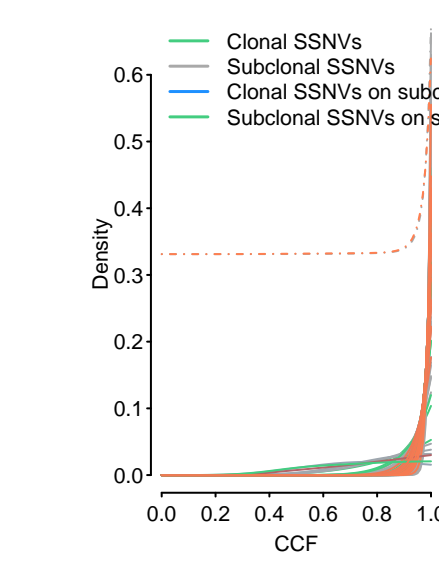
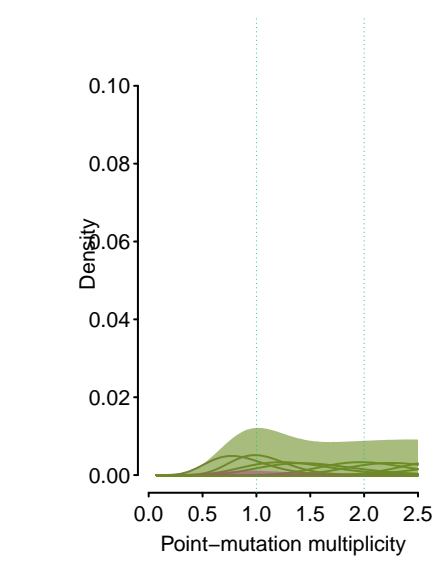
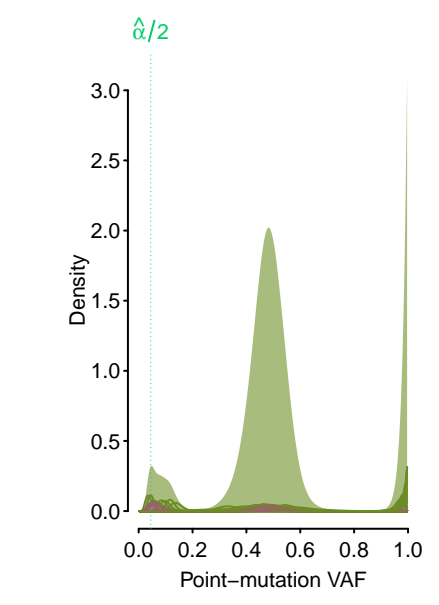
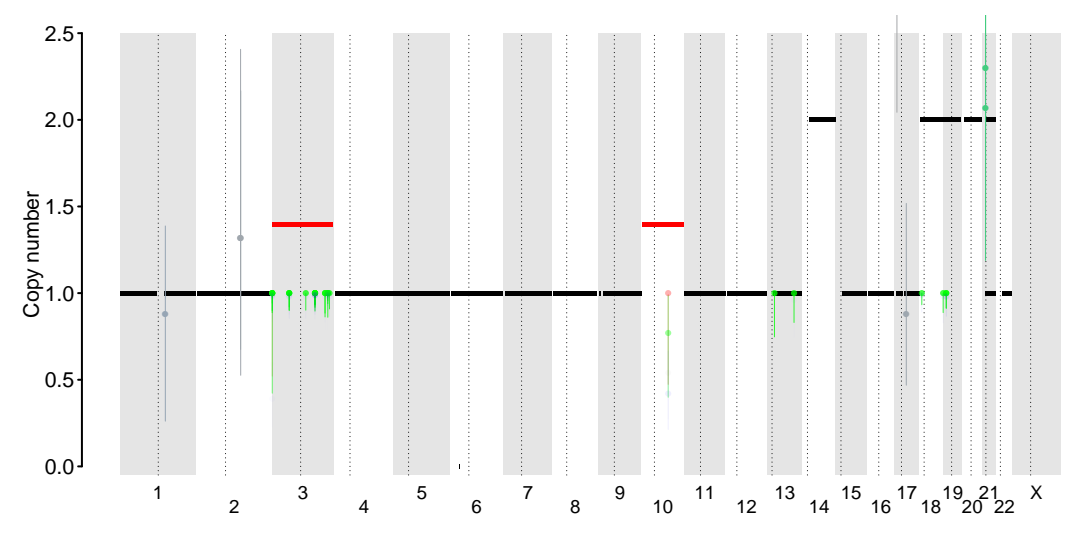
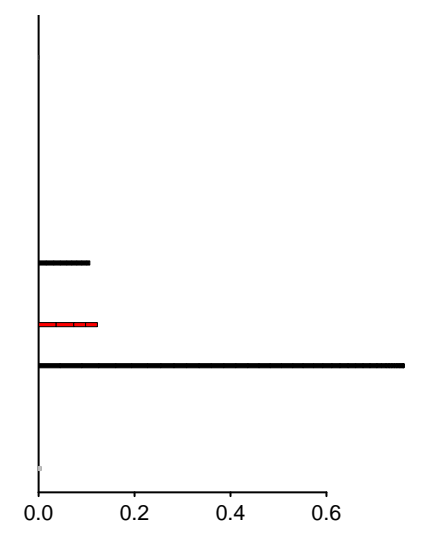
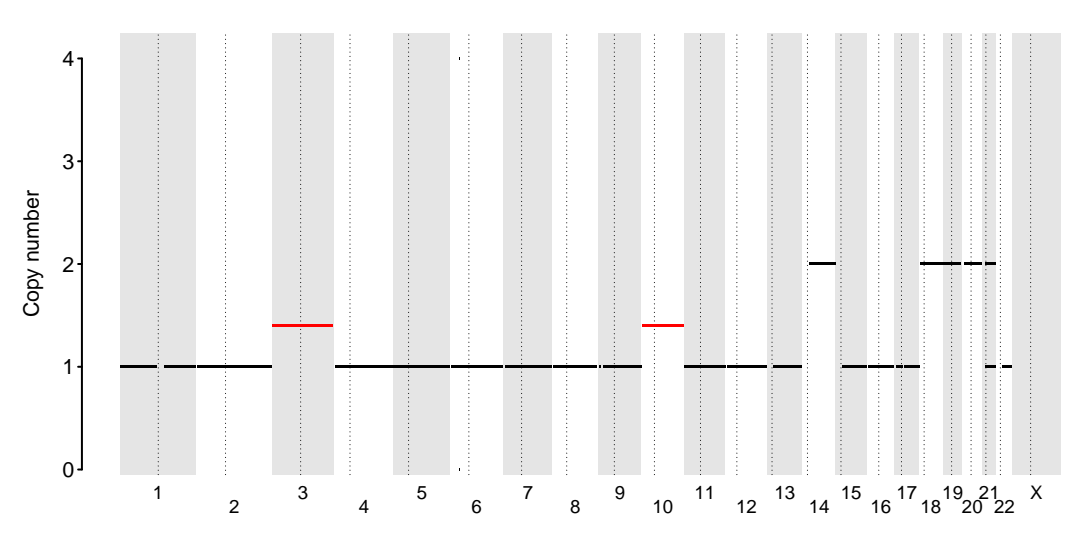
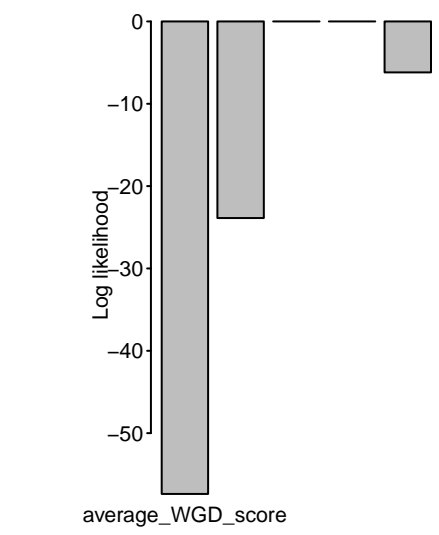
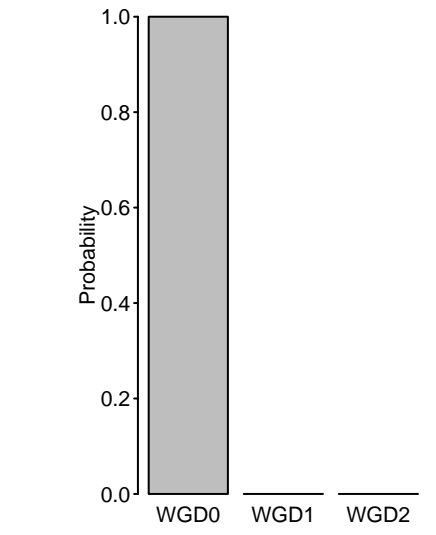
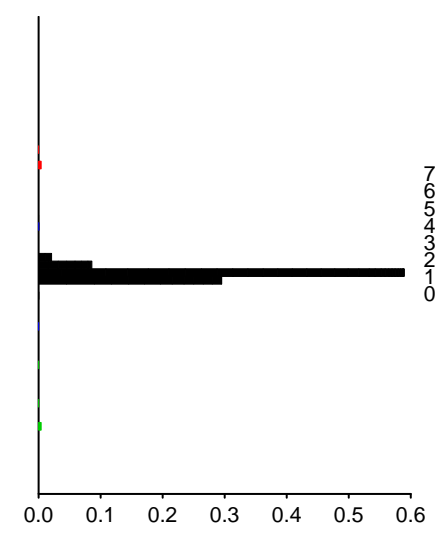
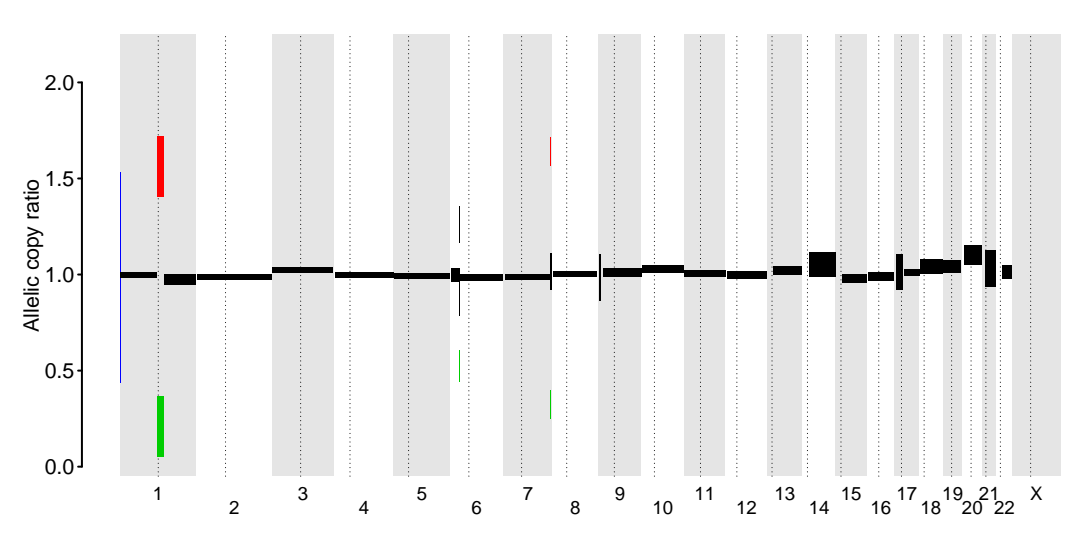
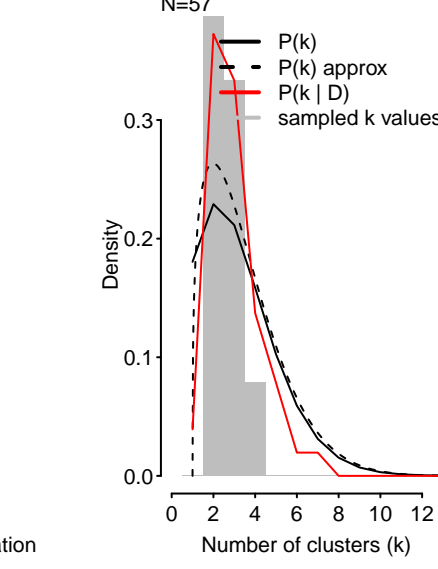
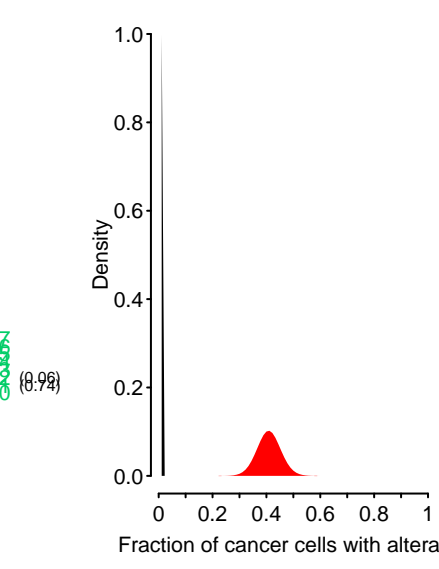
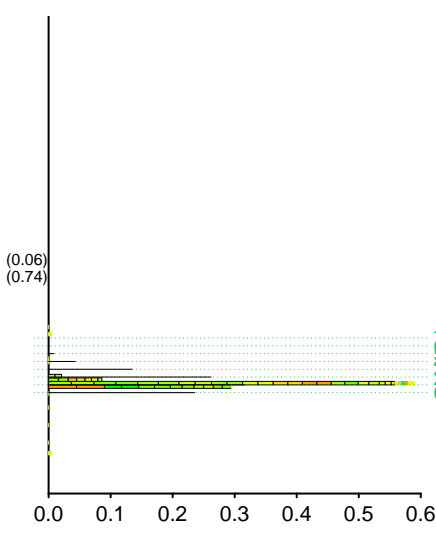
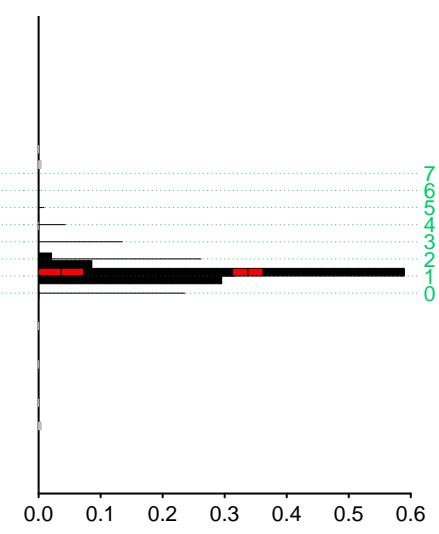
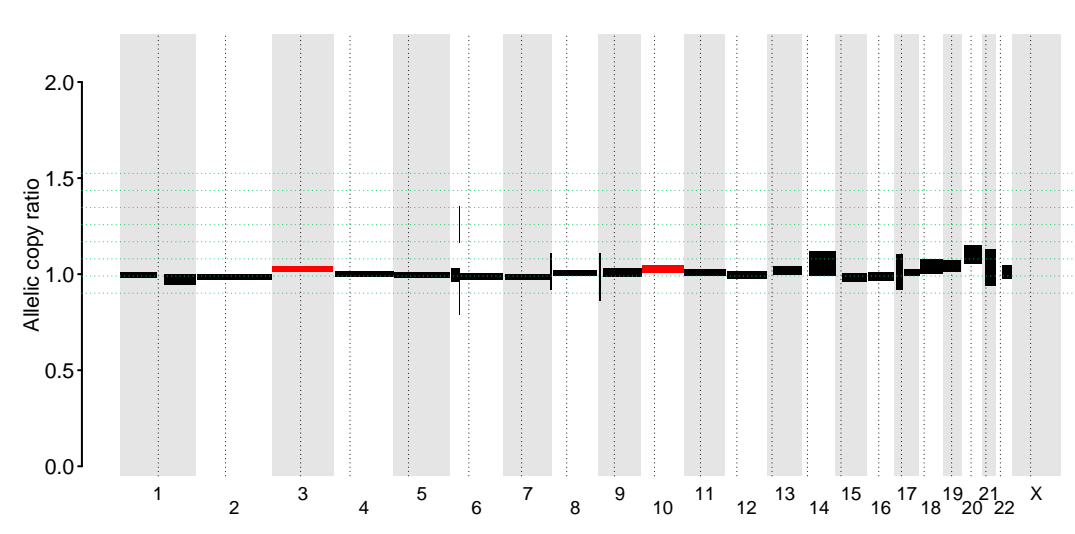
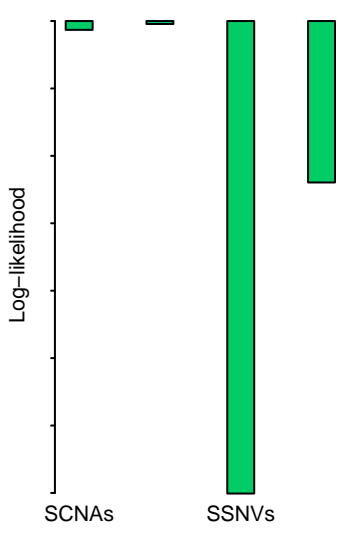
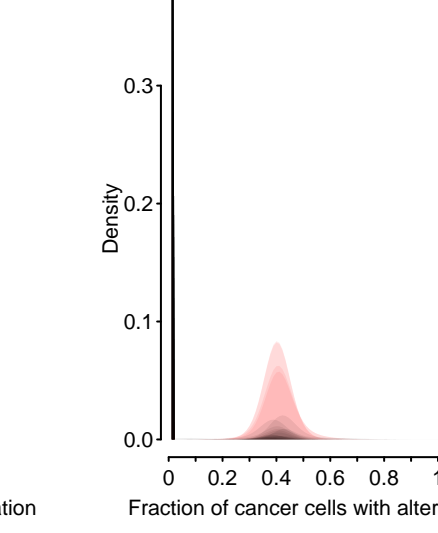
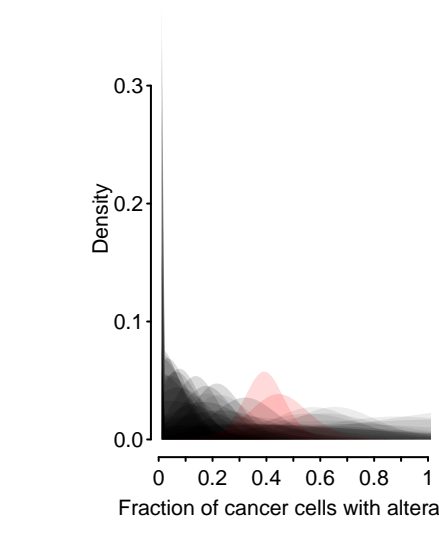
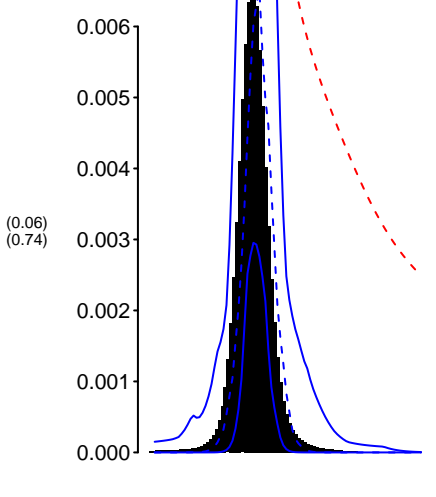
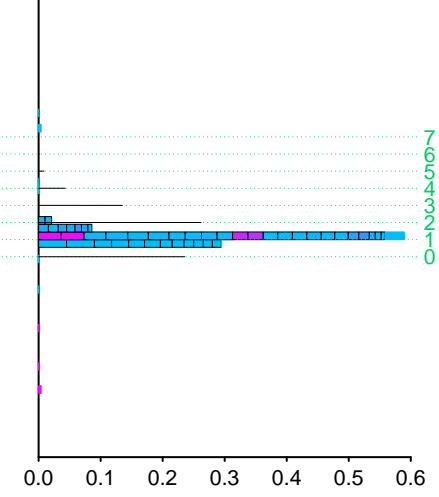
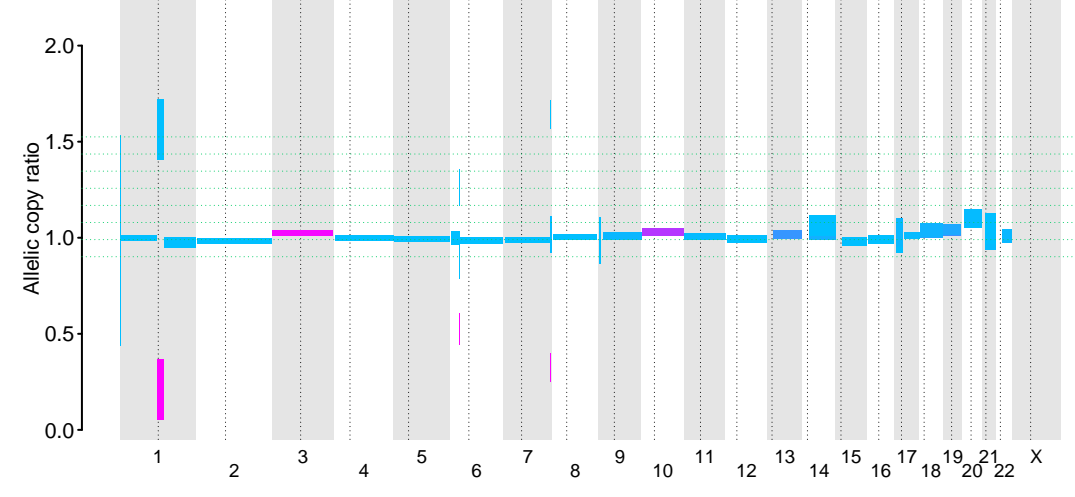


Sample 57

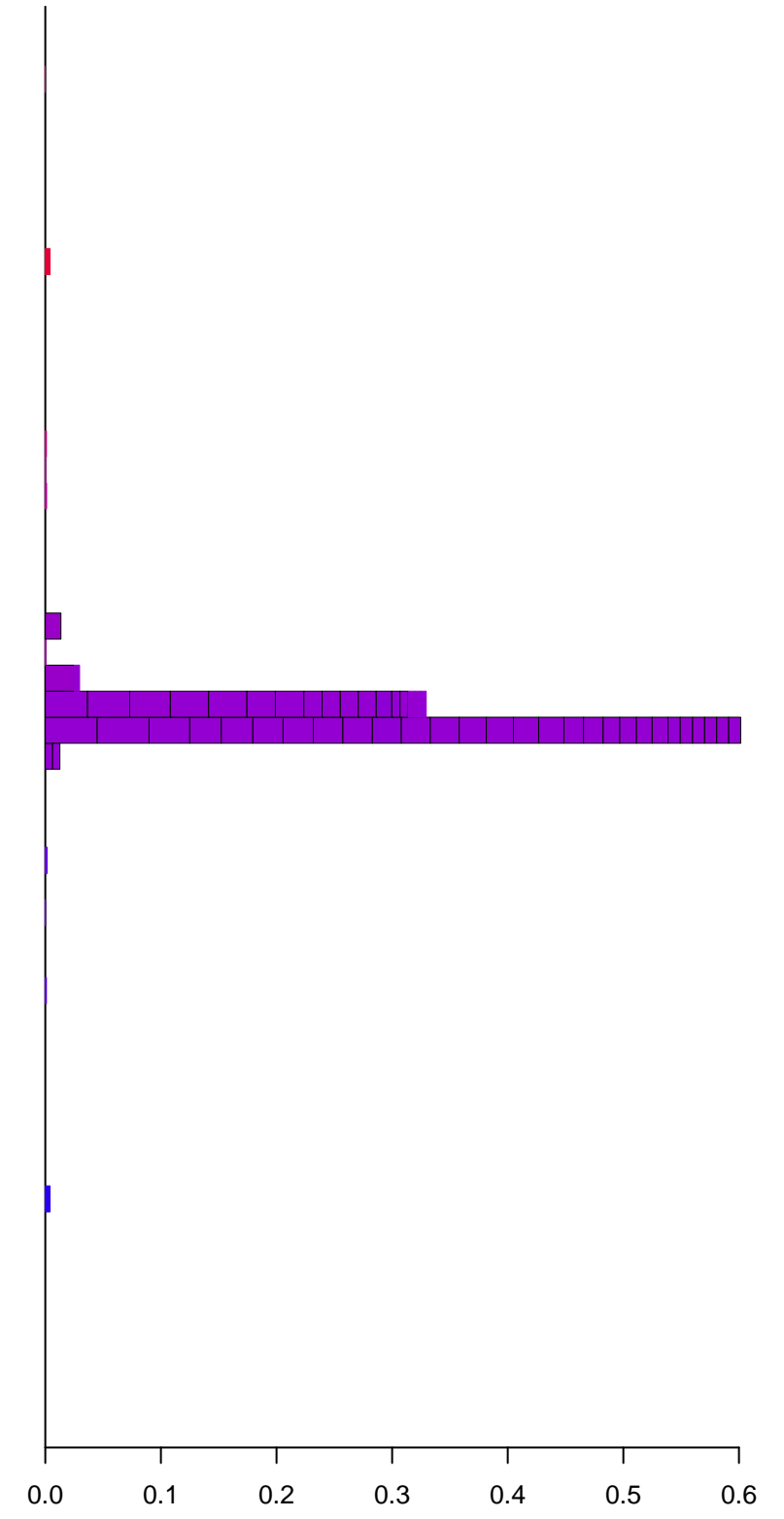
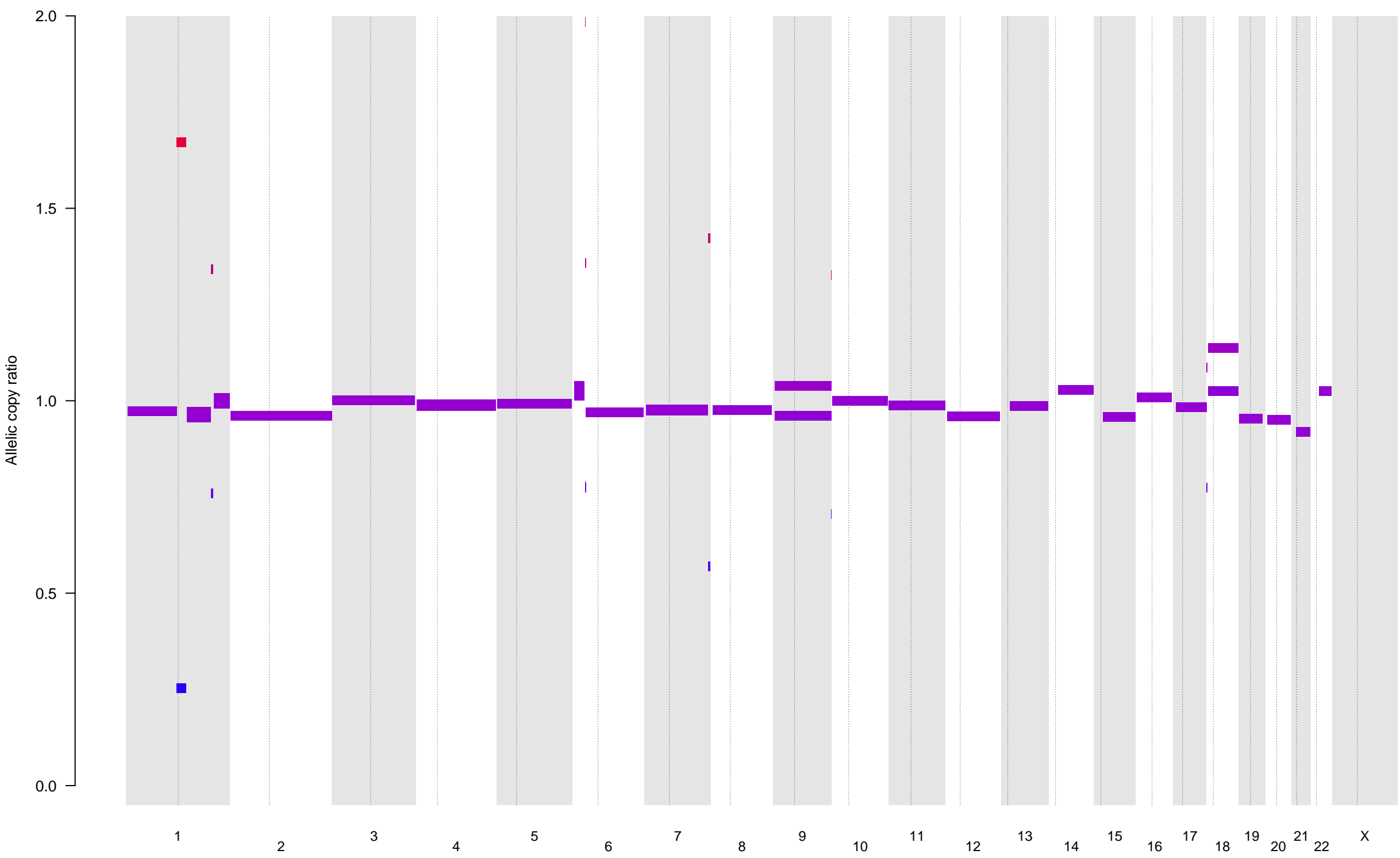




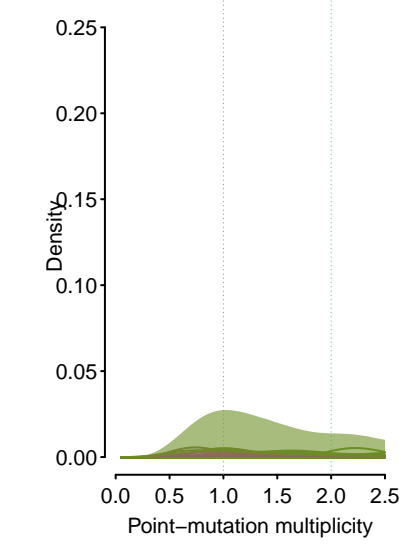
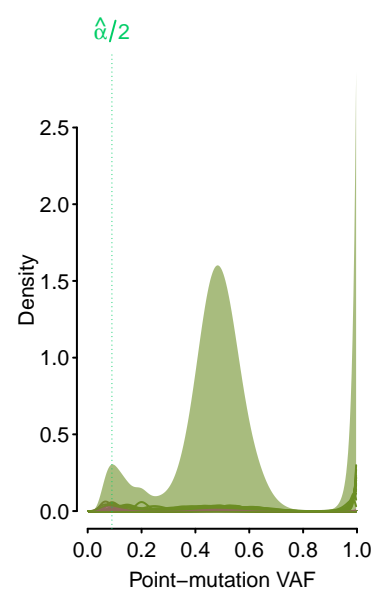
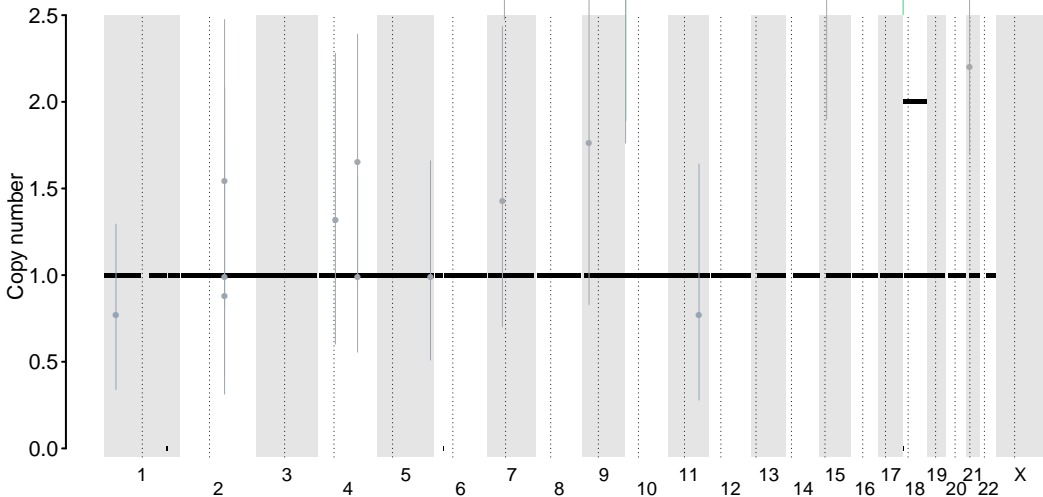
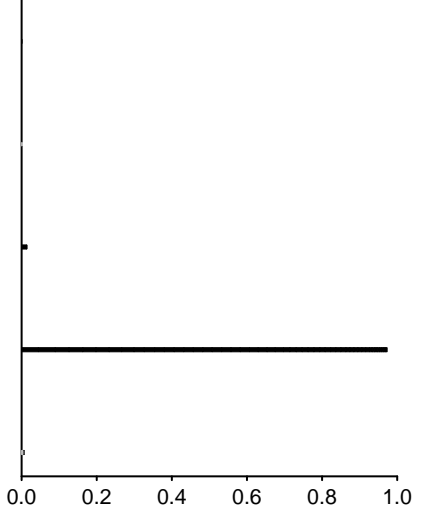
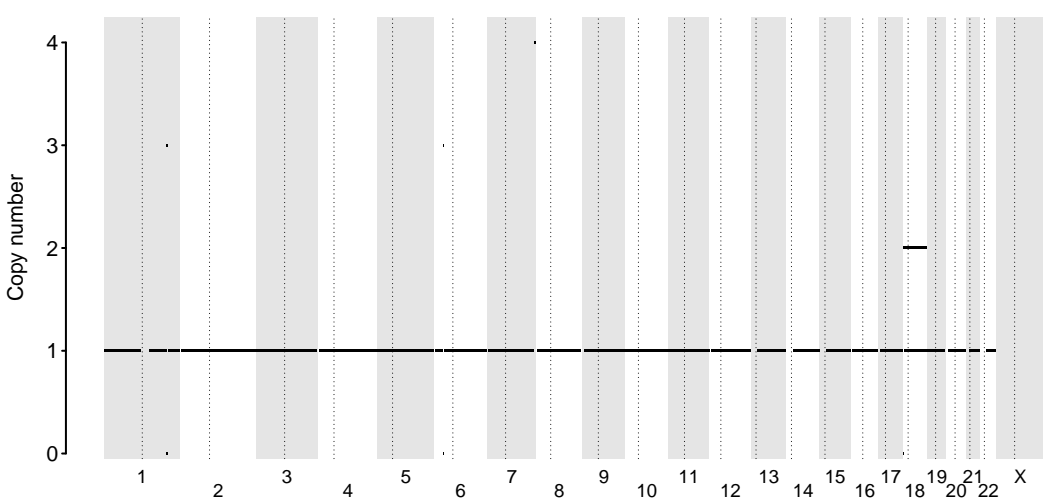
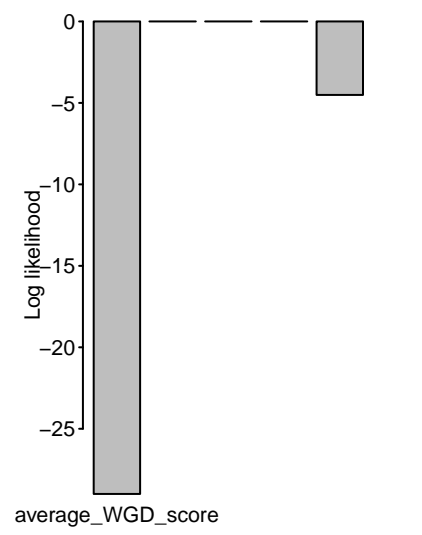
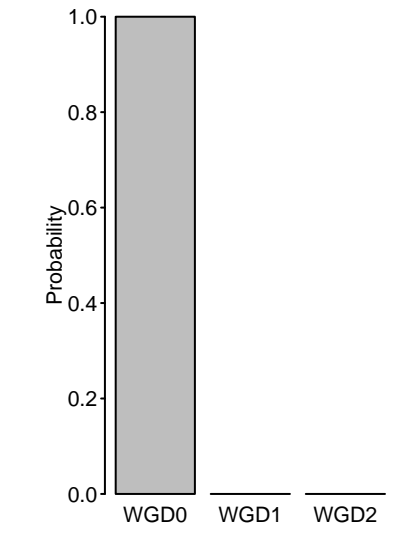
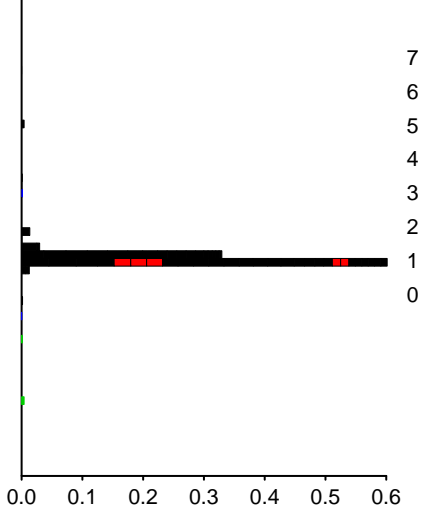
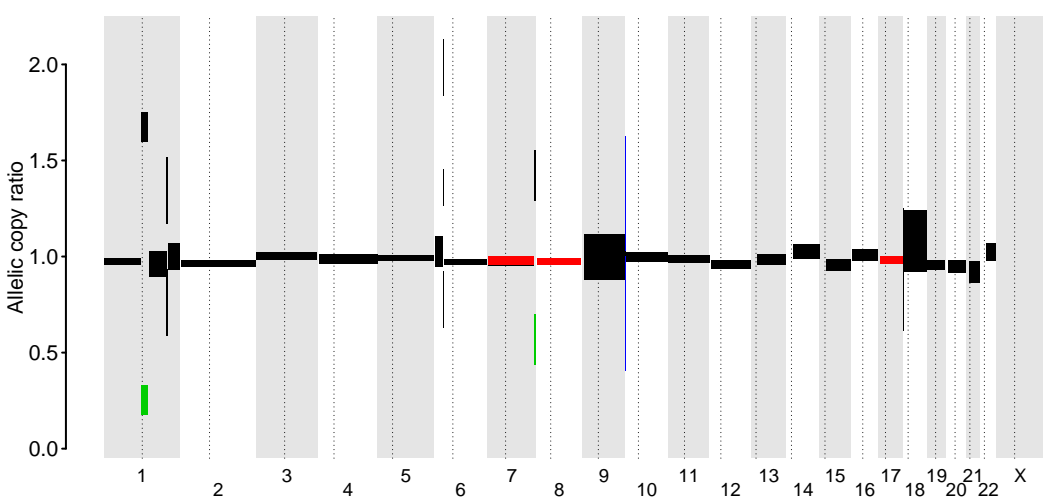
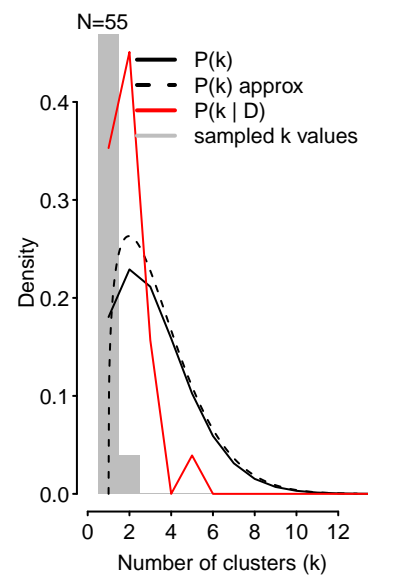
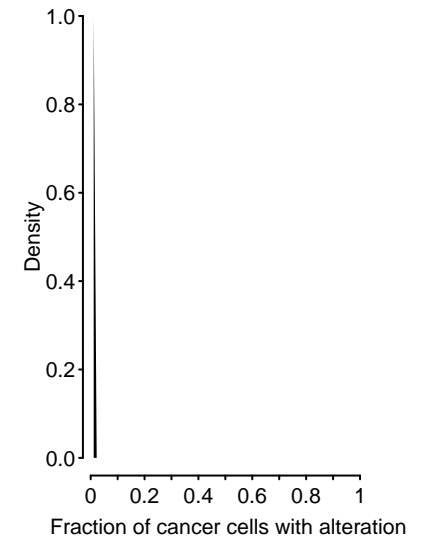
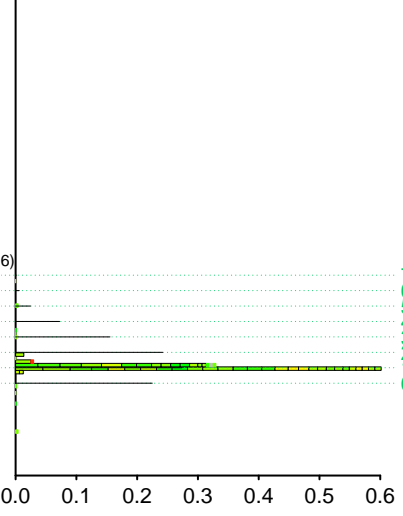
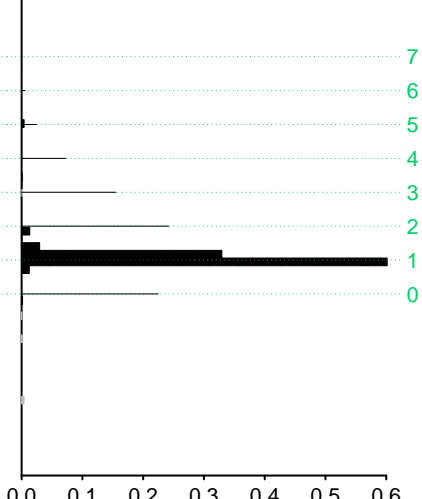
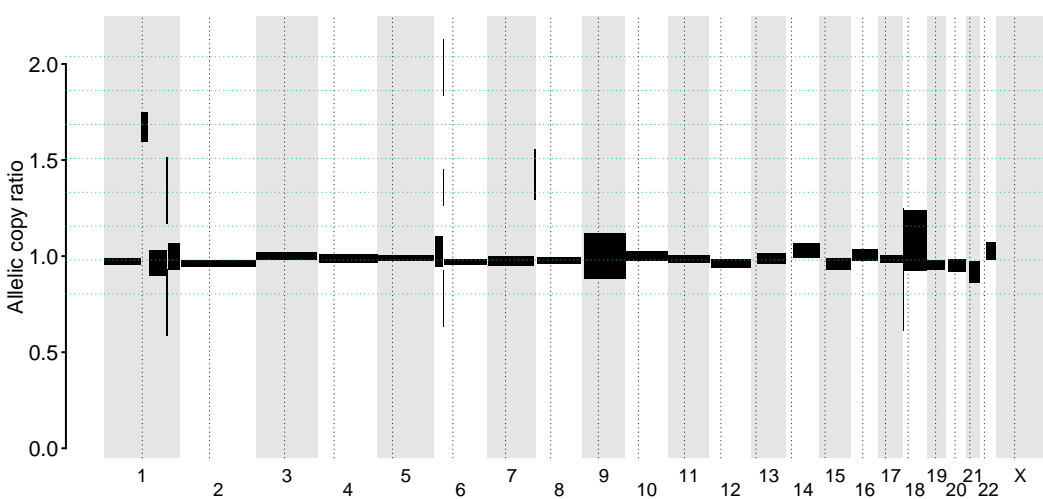
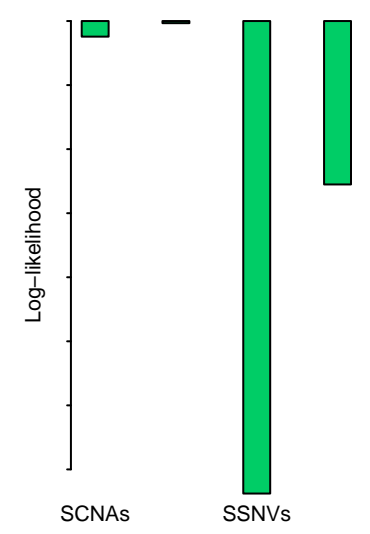
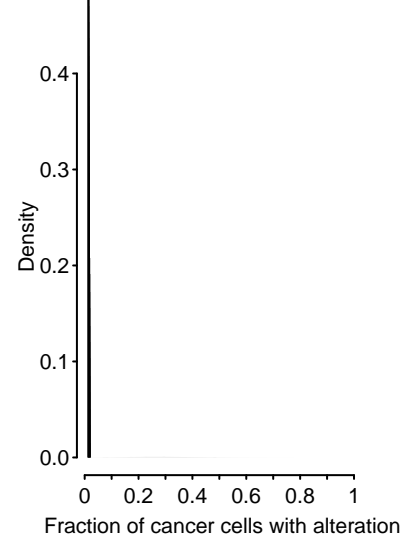
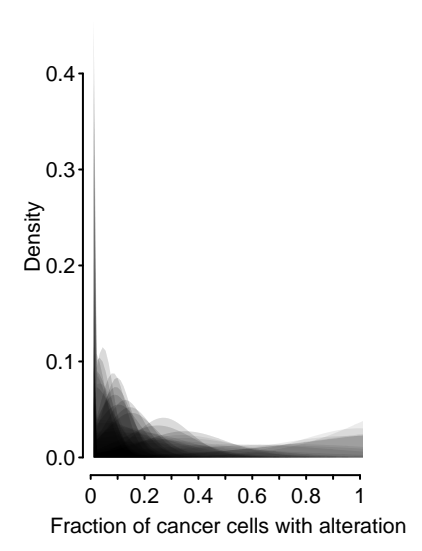
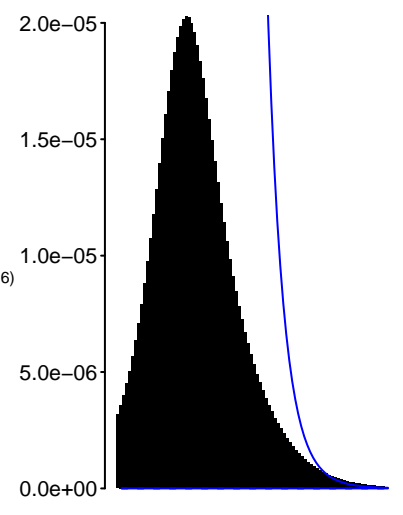
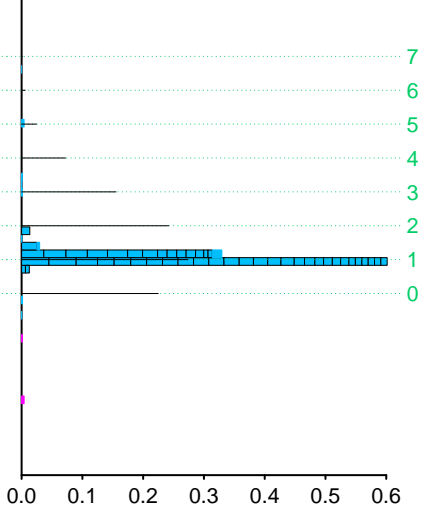
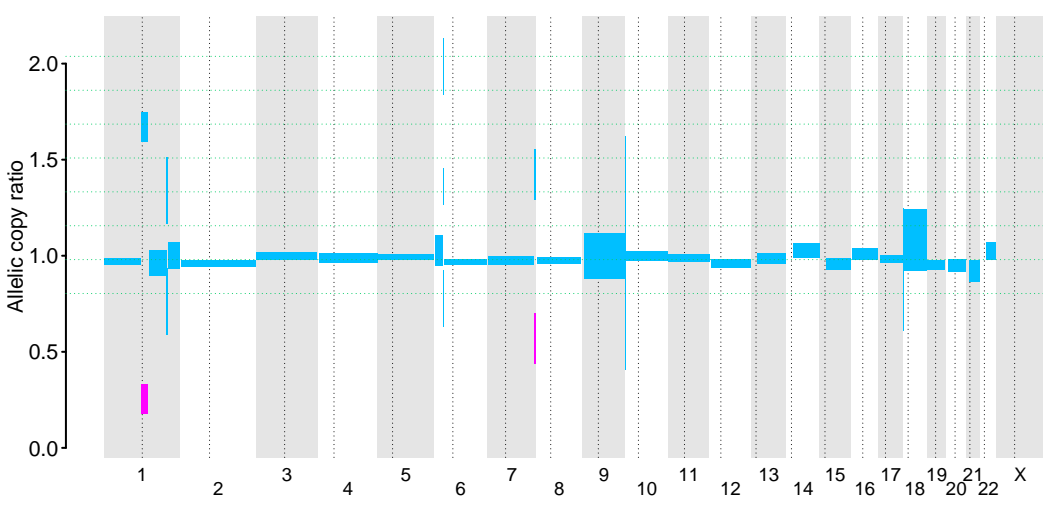
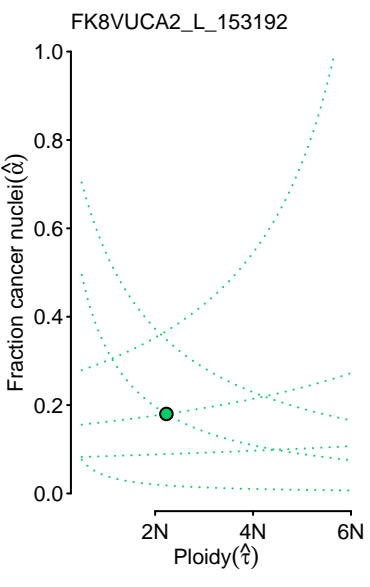
purity($\hat{\lambda}$) = 0.09, ploidy: $\hat{t} = 2.22$, $\hat{t}_g = 2.22$
 $\theta_z = 0.13$, $\theta_a = 1.446$, WGD=0
 SCNA LL = -262.06, SSNV LL = -14017.59, SCNA Ev = -87.45129



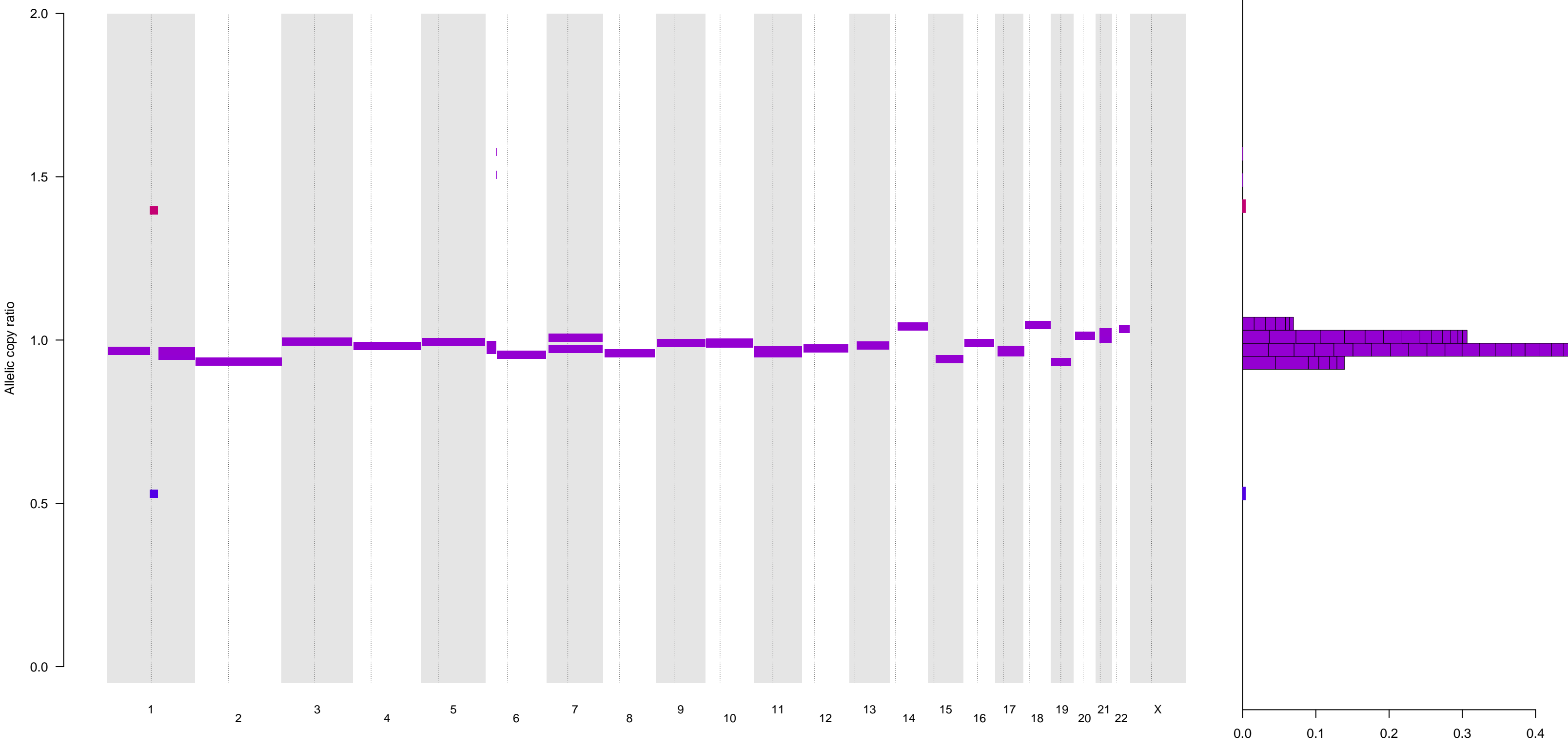
Sample 58

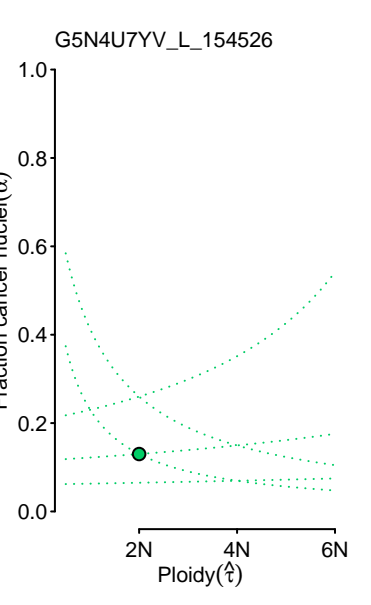


purity($\hat{\alpha}$) = 0.18, ploidy: $\hat{t} = 2.23$, $\hat{t}_g = 2.06$
 $\theta_z = 0.01$, $\theta_a = 1.767$, WGD=0
 SCNA LL = -243.66, SSNV LL = -7376.86, SCNA Ev = -33.51143

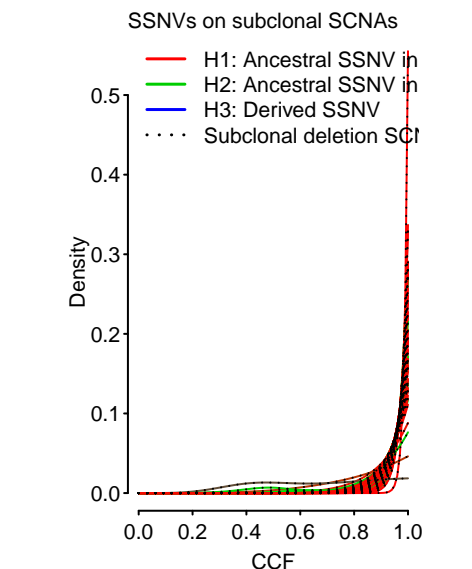
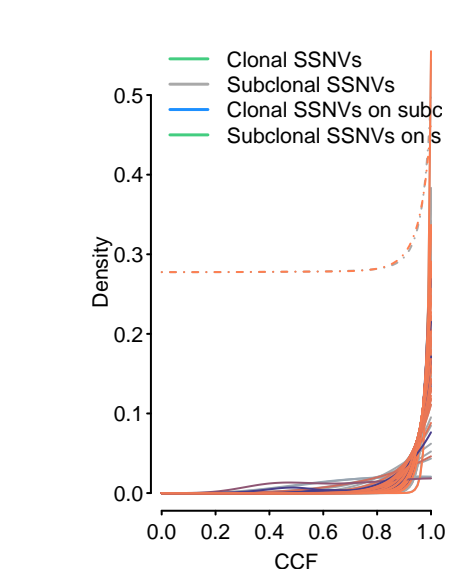
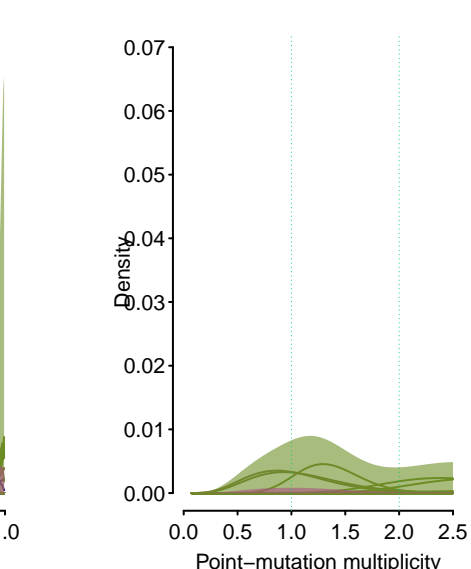
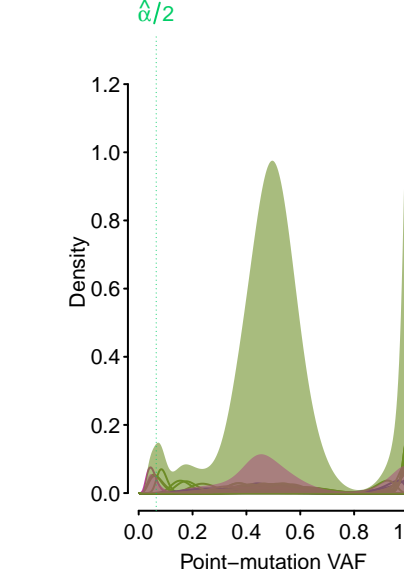
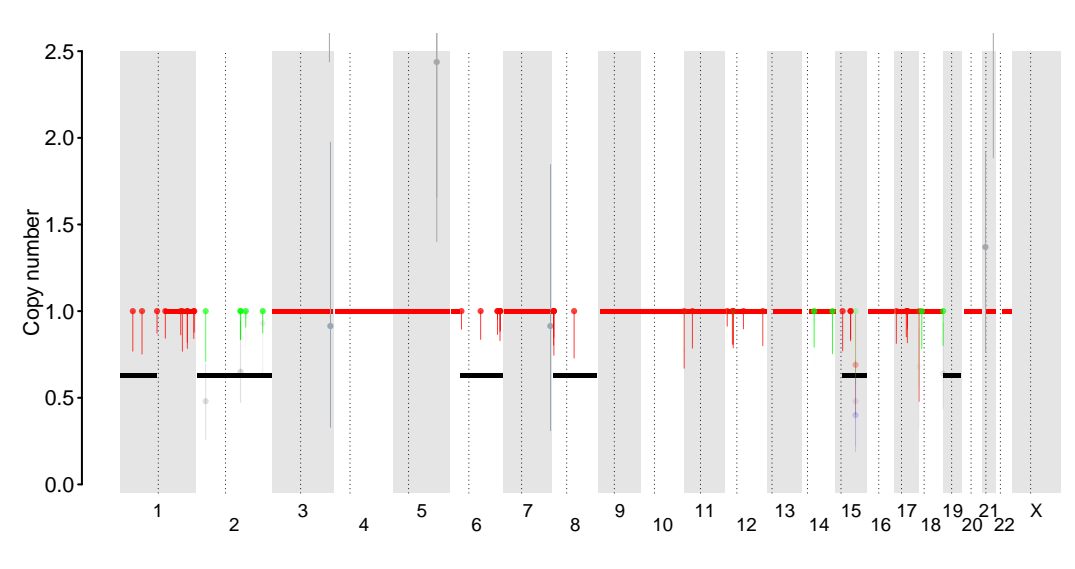
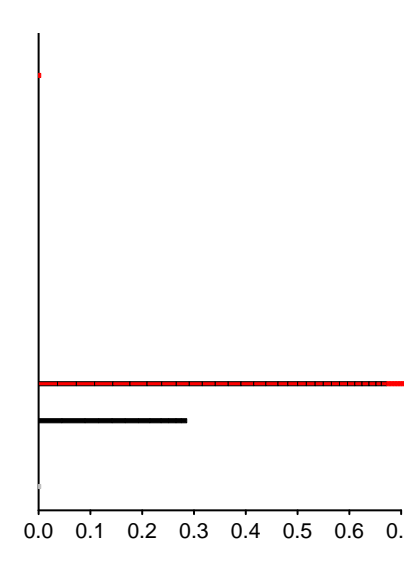
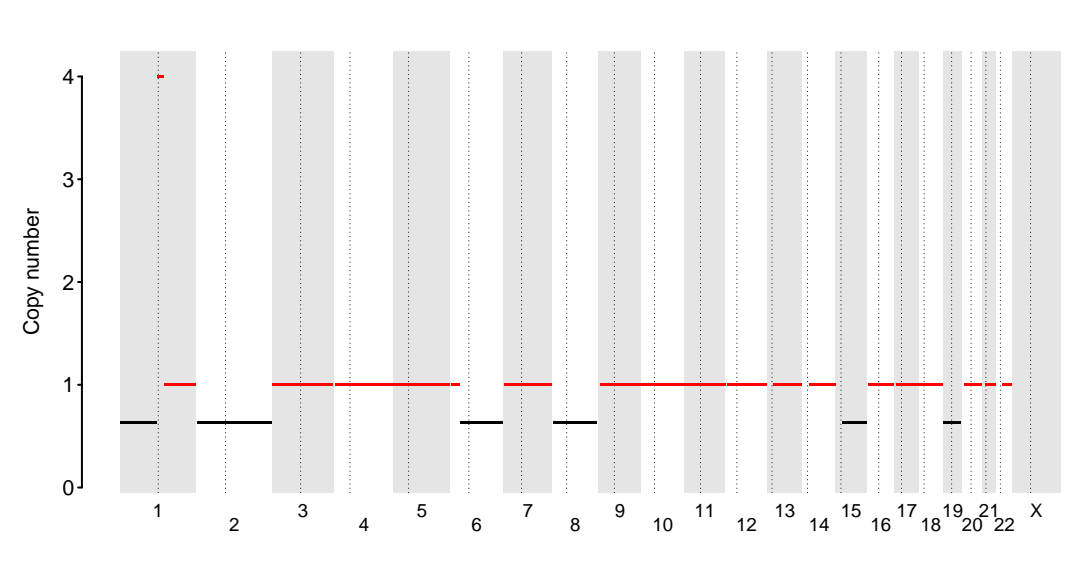
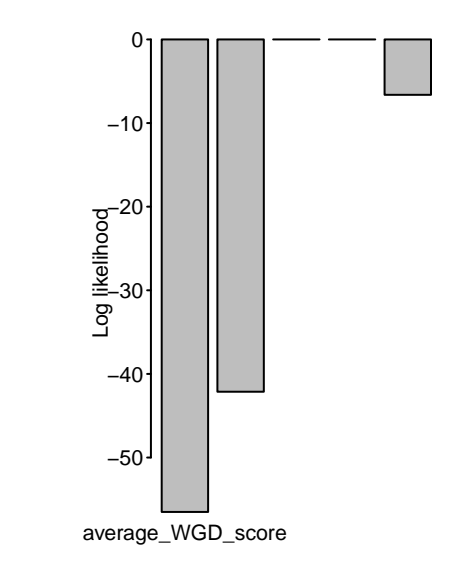
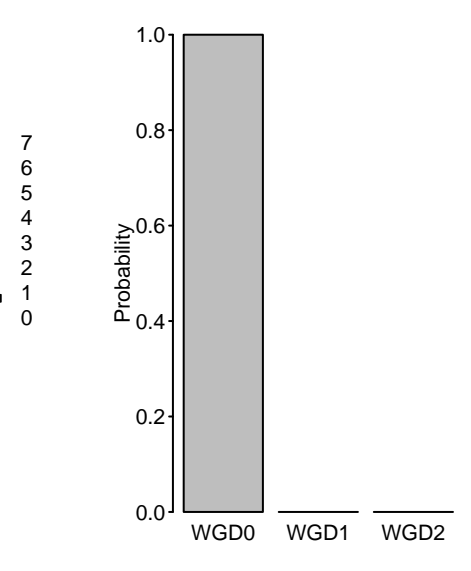
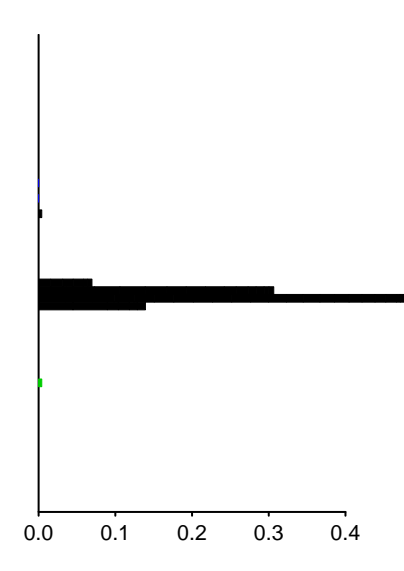
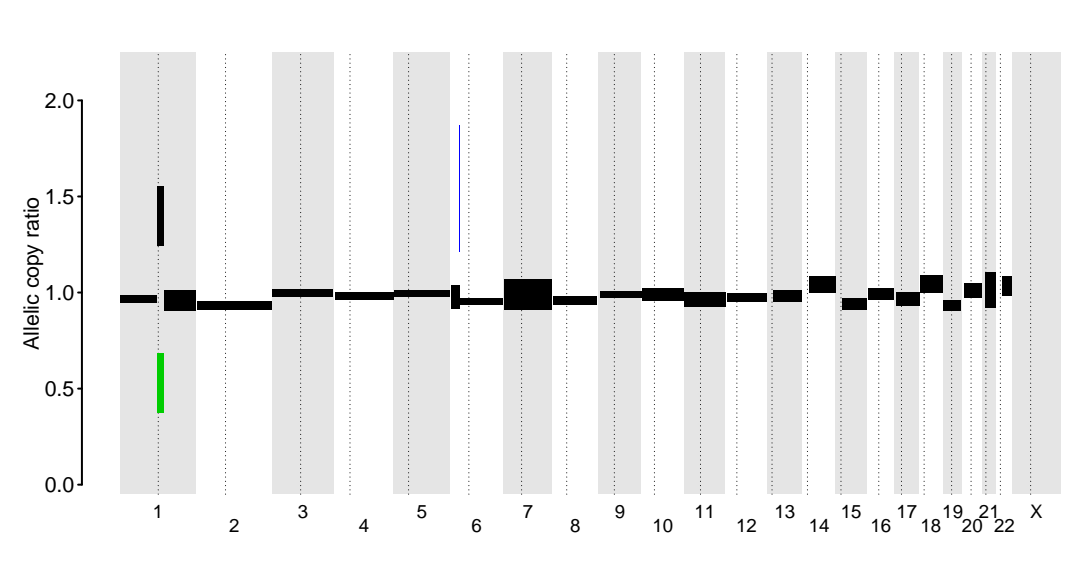
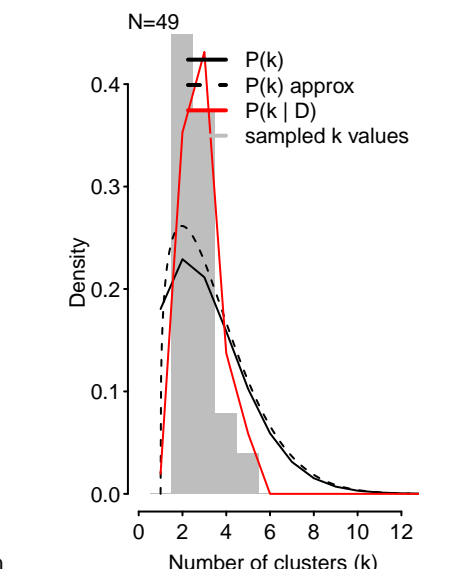
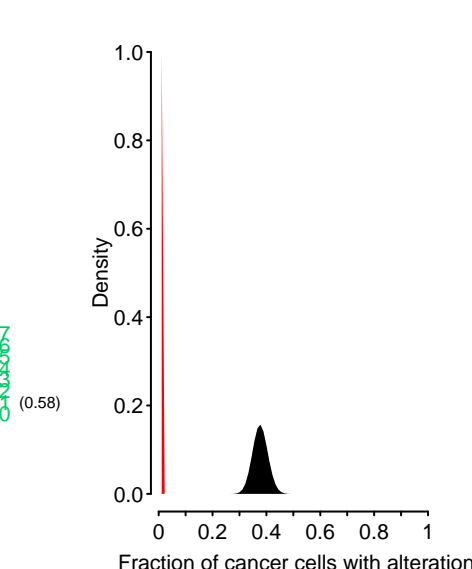
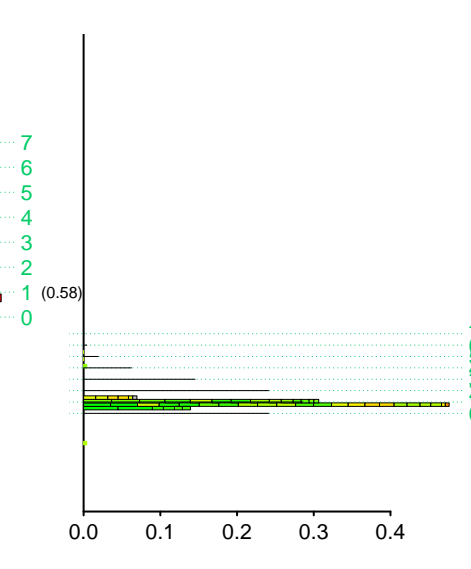
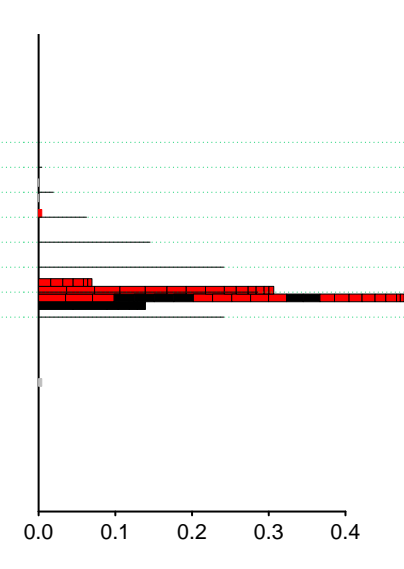
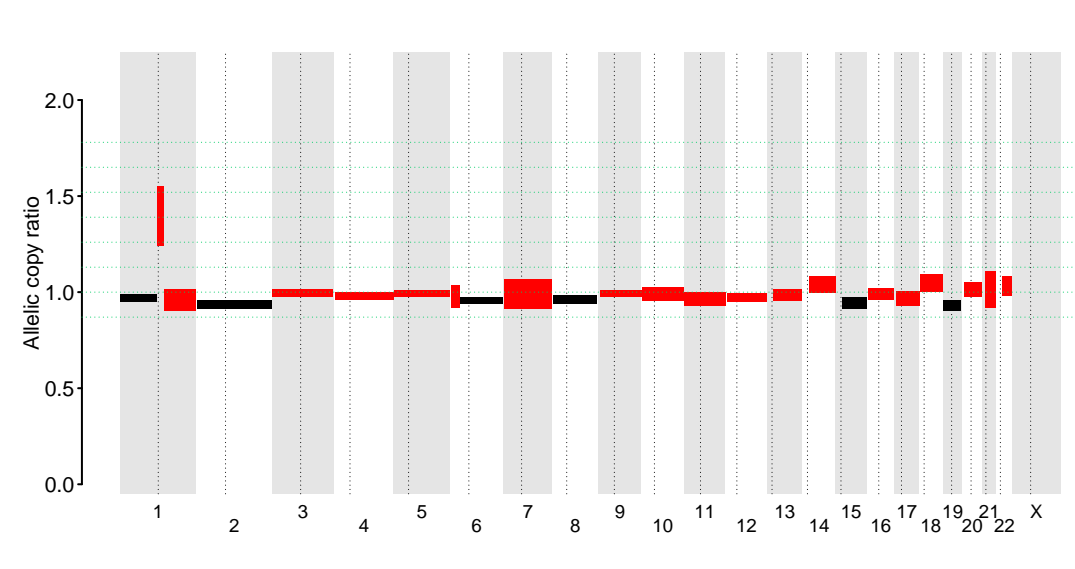
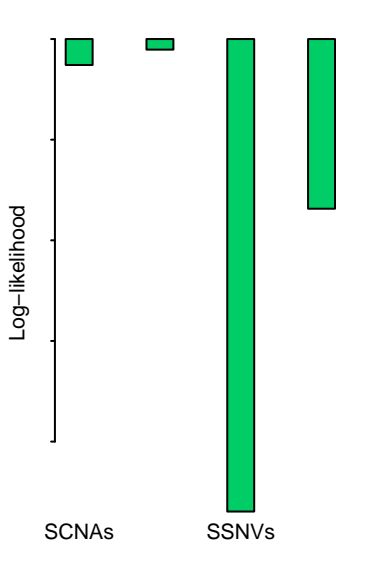
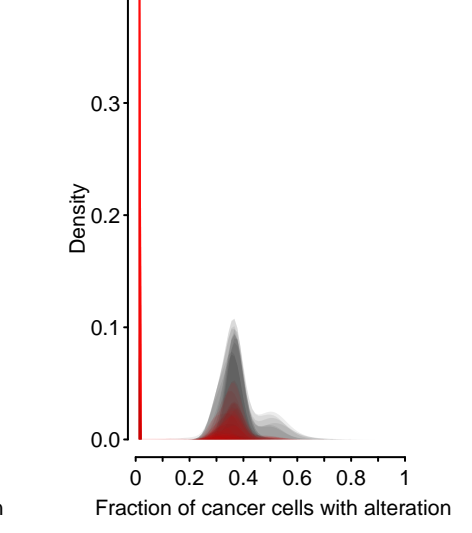
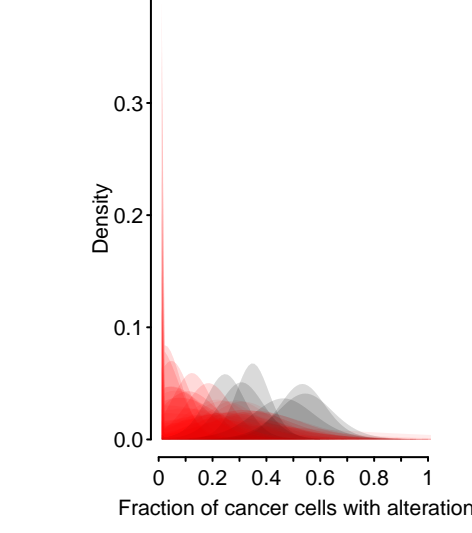
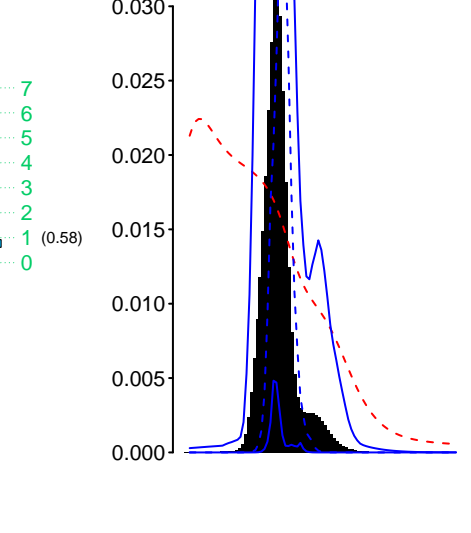
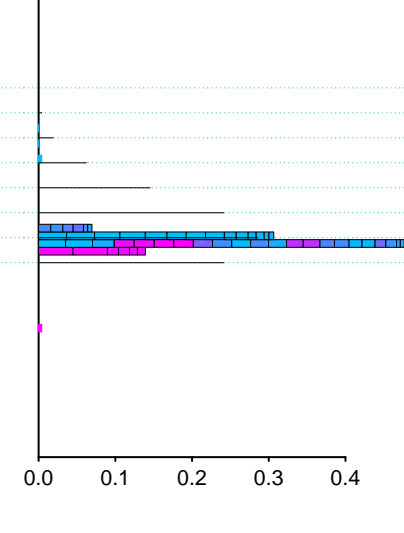
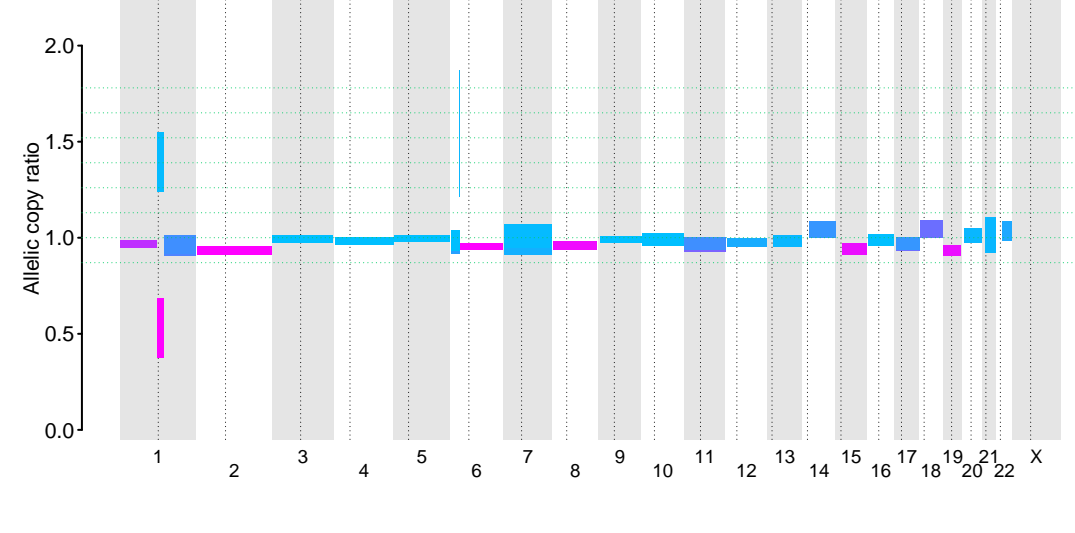


Sample 59

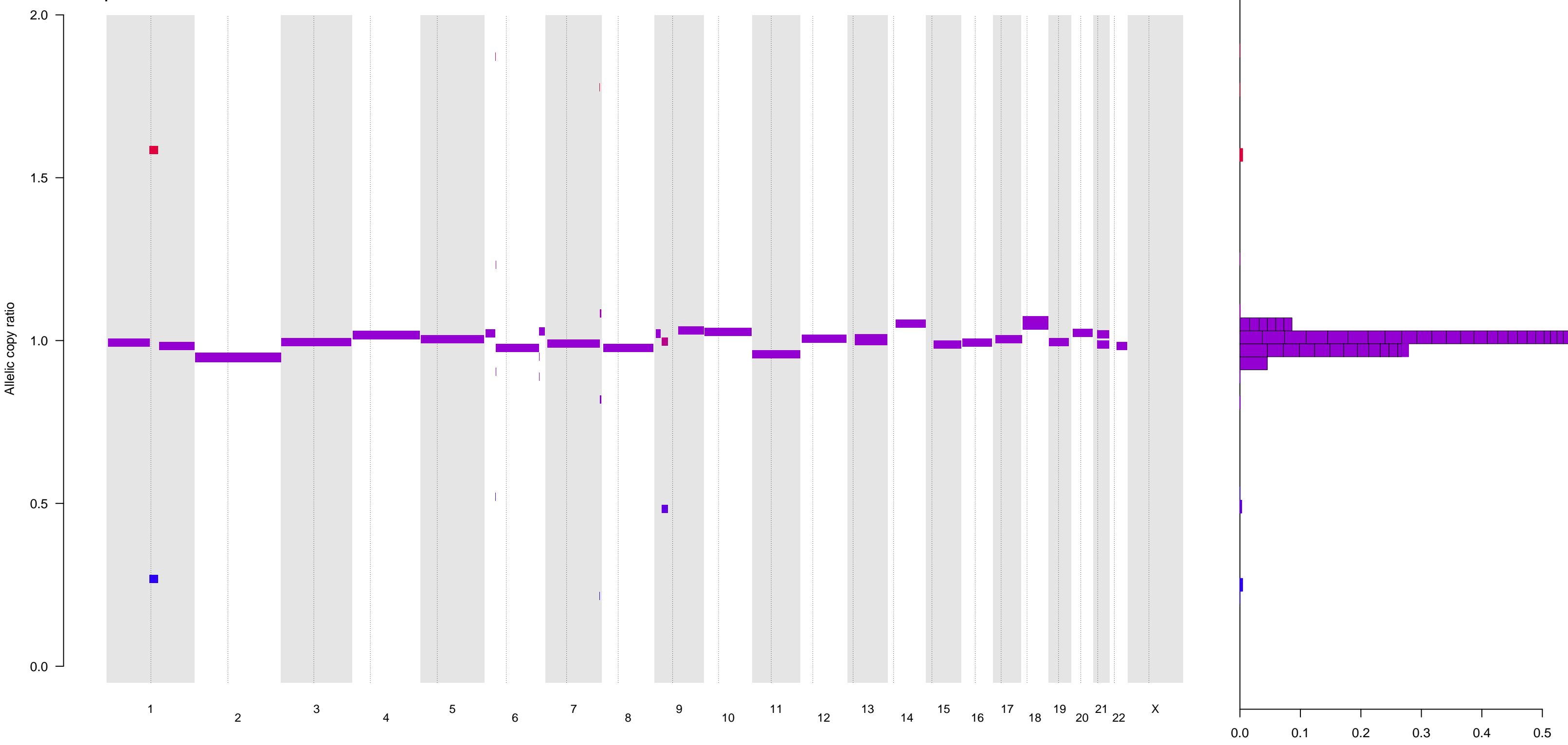




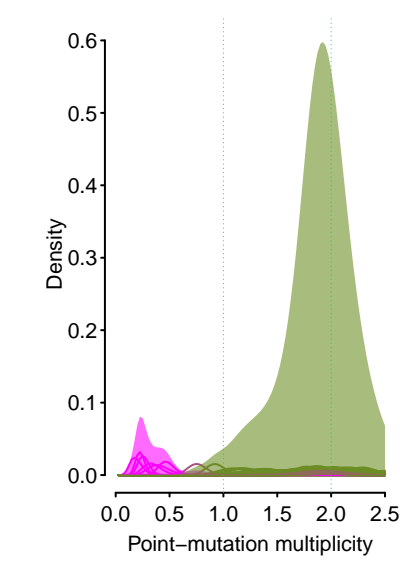
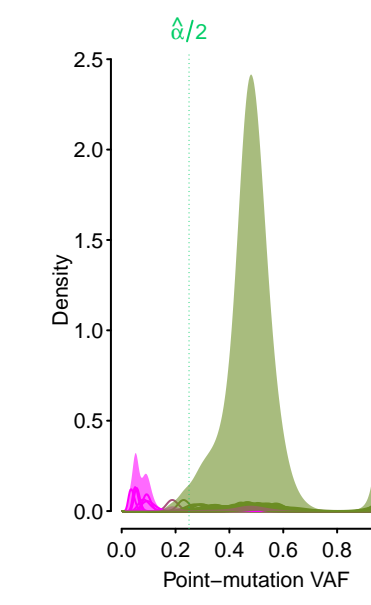
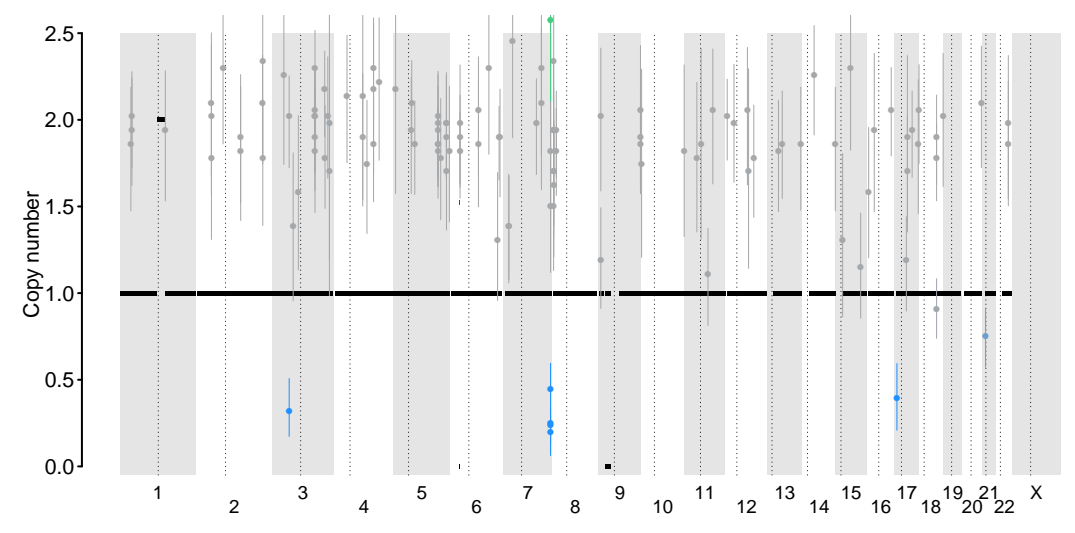
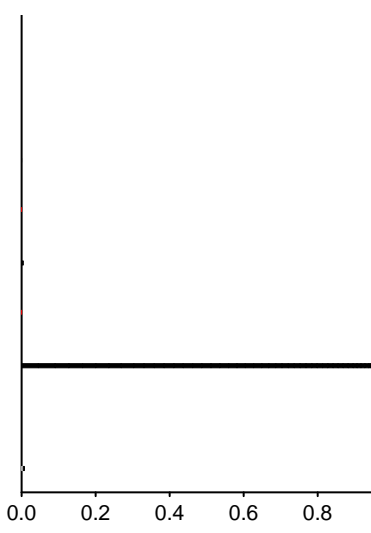
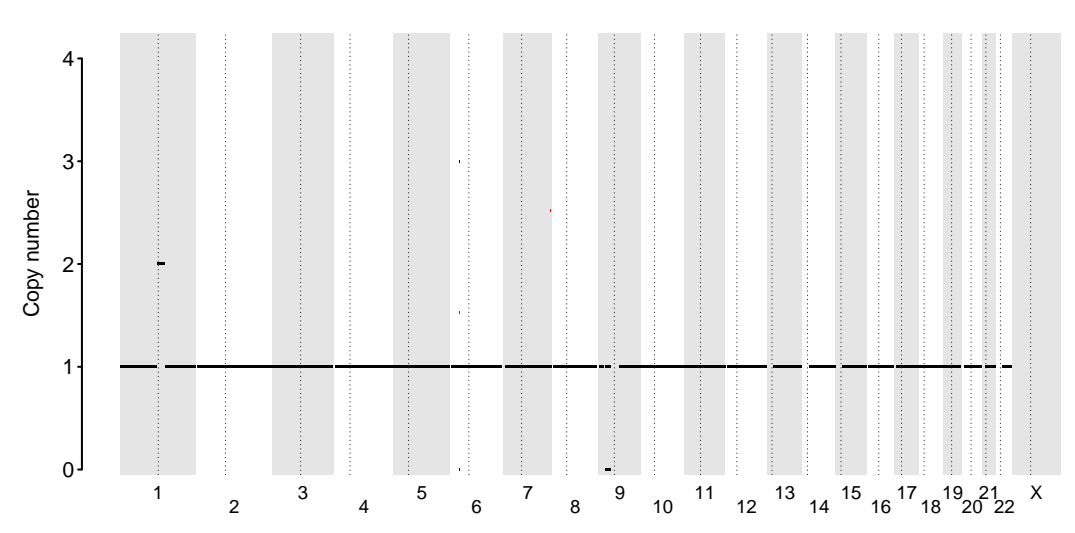
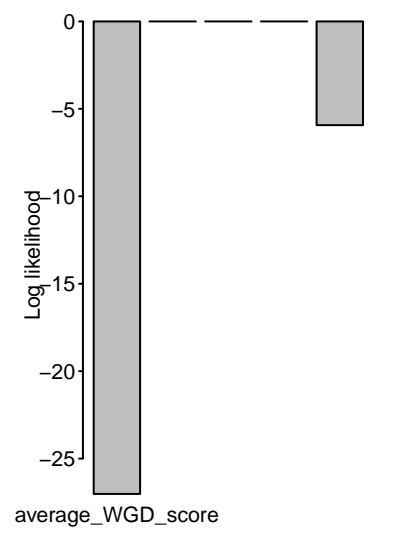
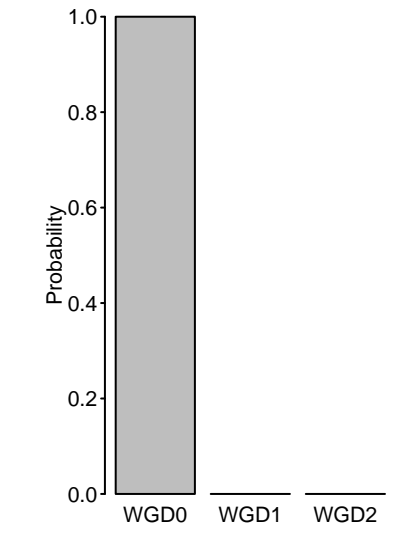
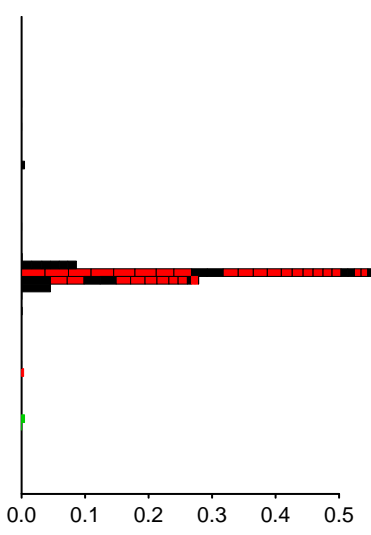
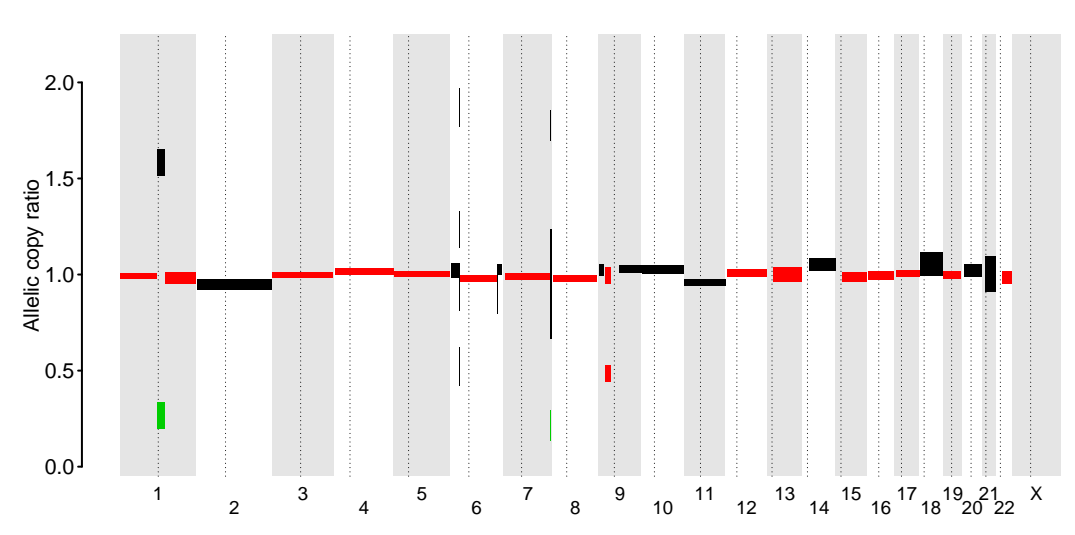
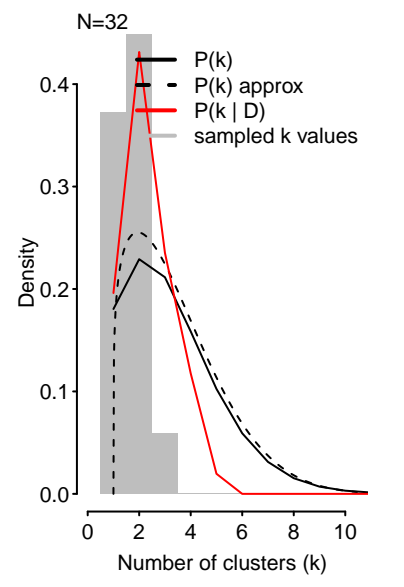
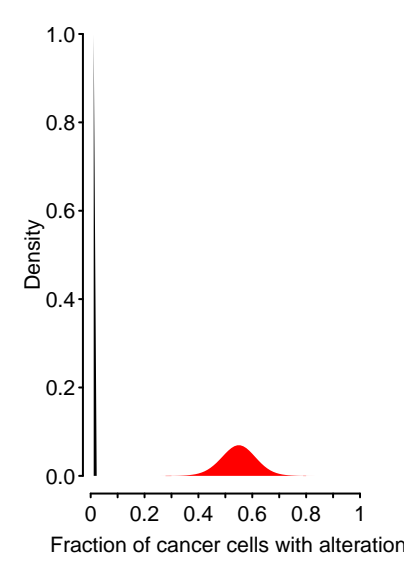
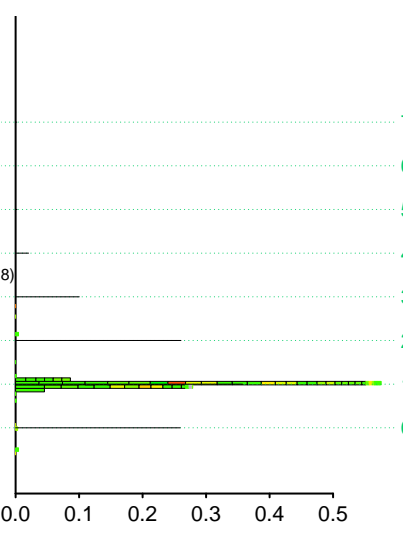
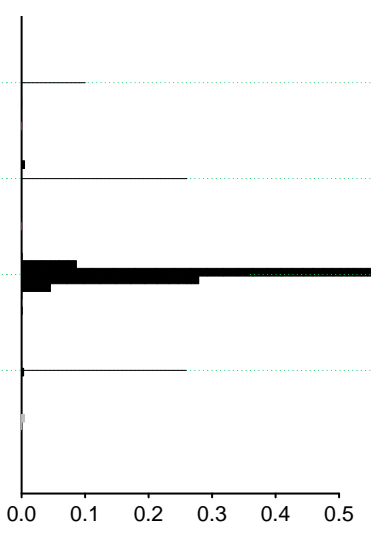
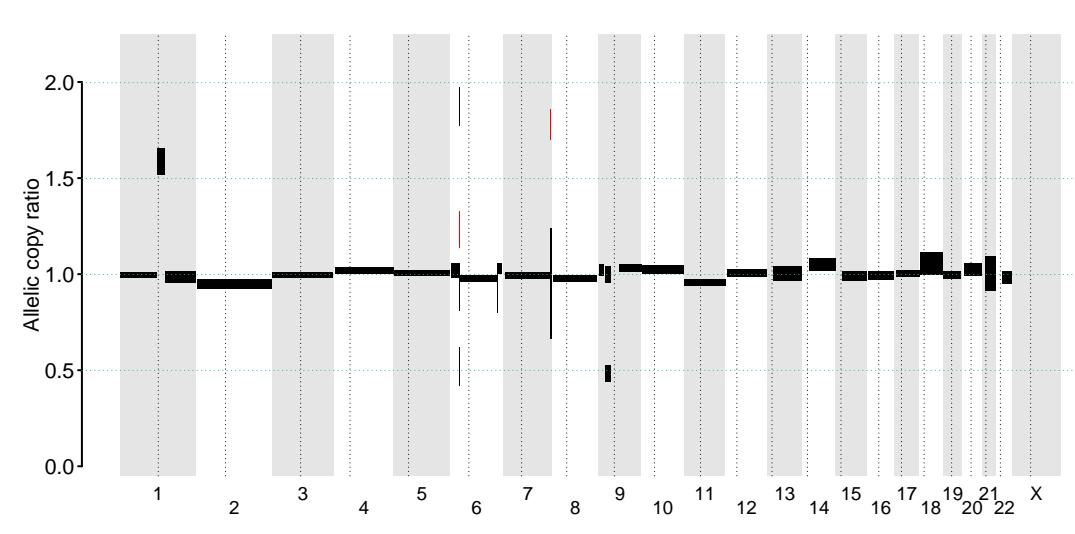
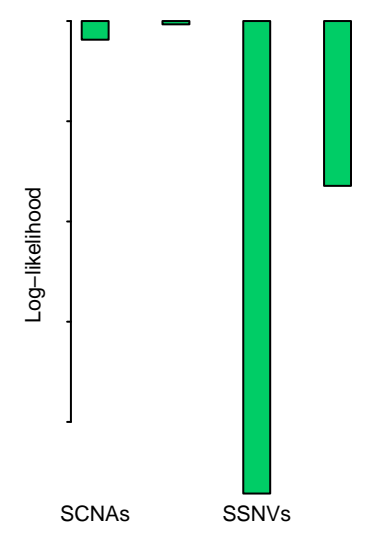
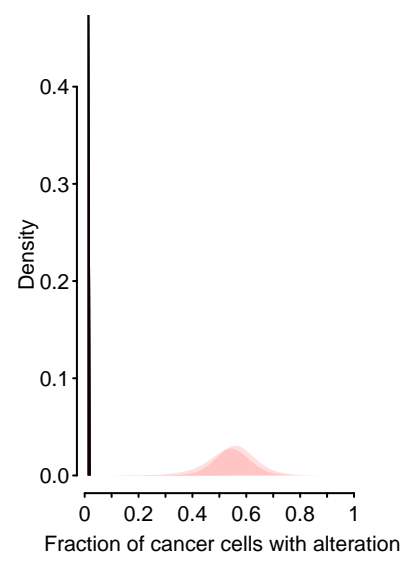
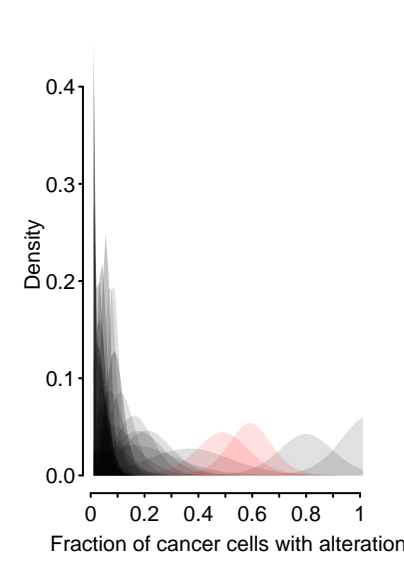
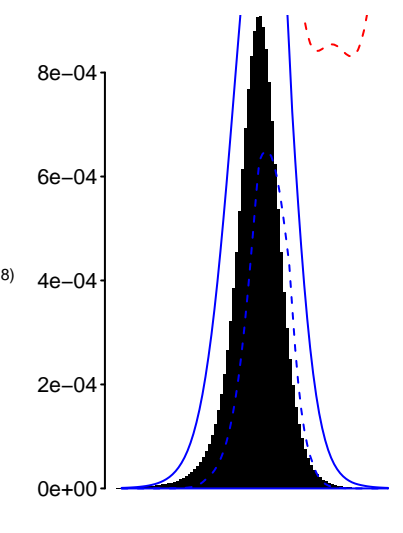
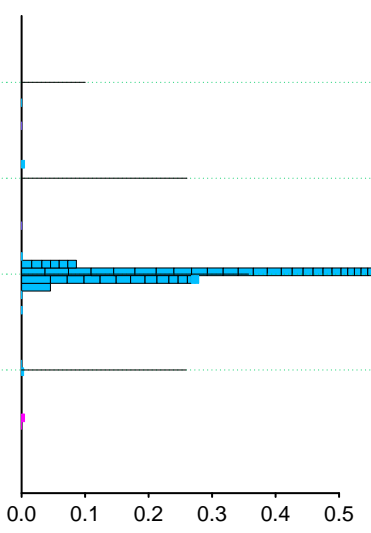
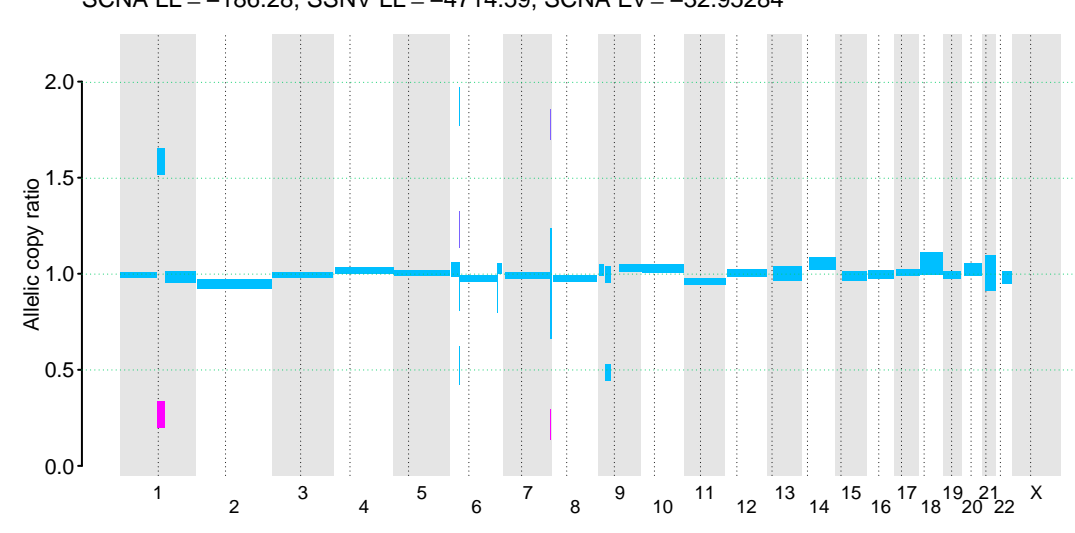
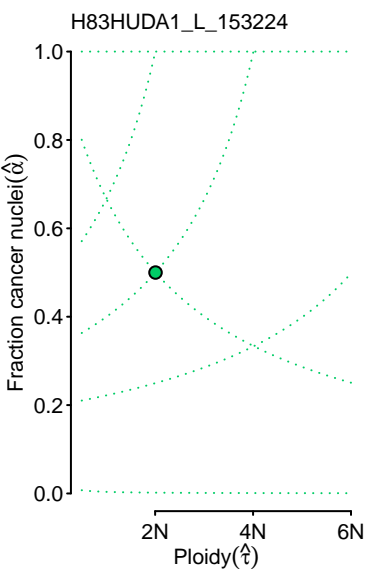
purity($\hat{\lambda}$) = 0.13, ploidy: $\hat{\lambda} = 2$, $\hat{\lambda}_0 = 1.88$
 $\theta_z = 0.34$, $\theta_a = 1.72$, WGD=0
 SCNA LL = -257.9, SSNV LL = -4694.94, SCNA Ev = -105.2603



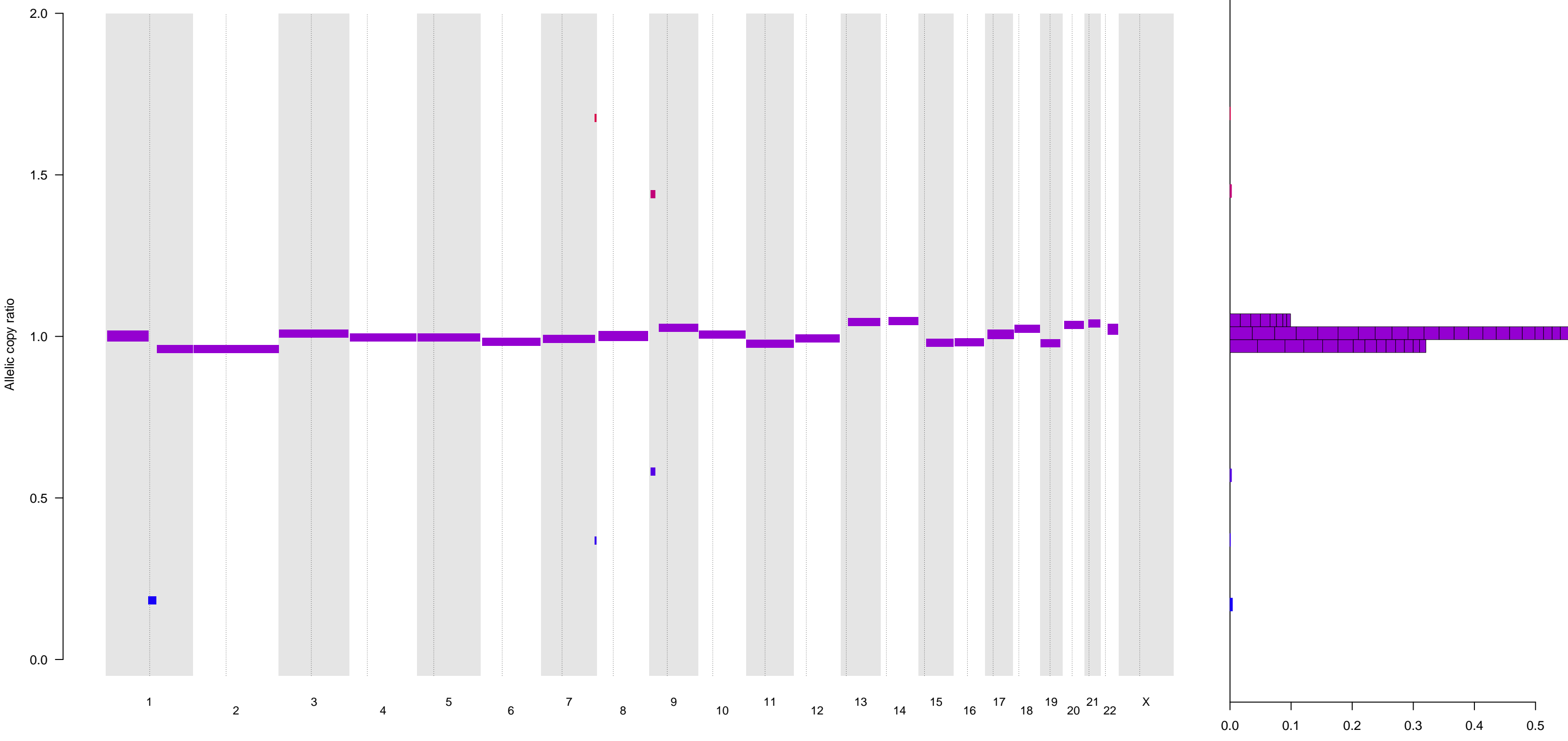
Sample 61



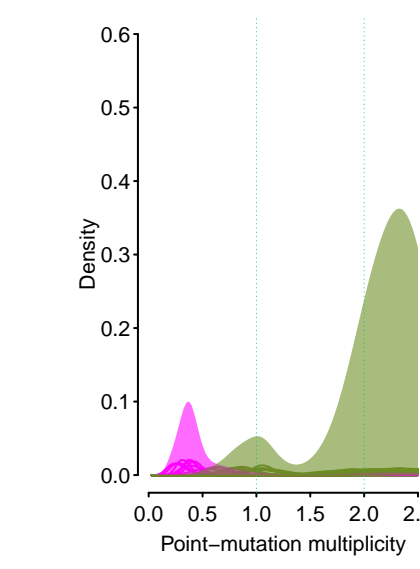
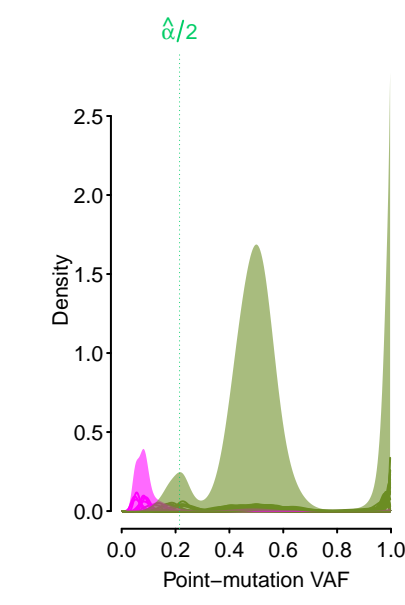
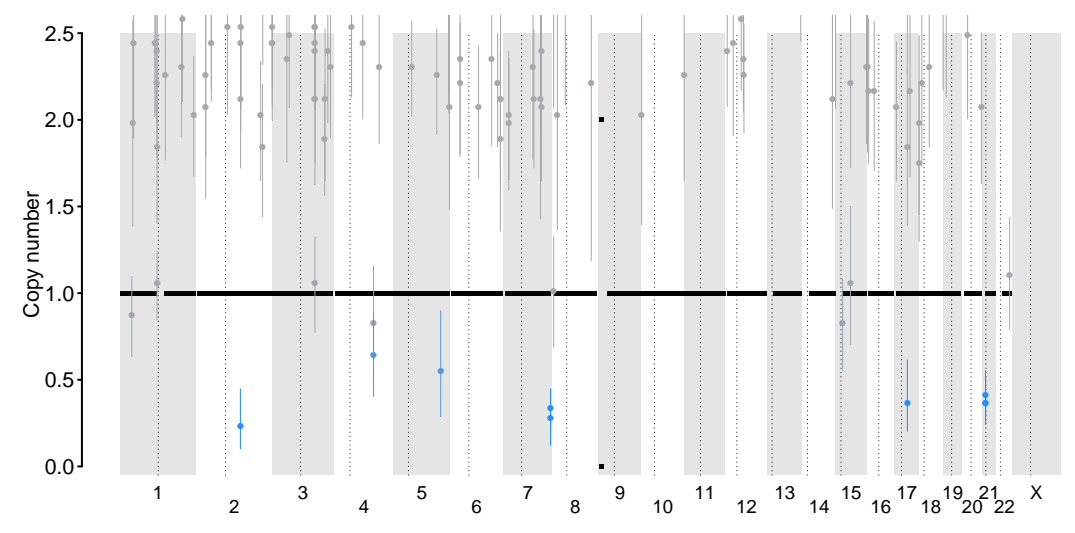
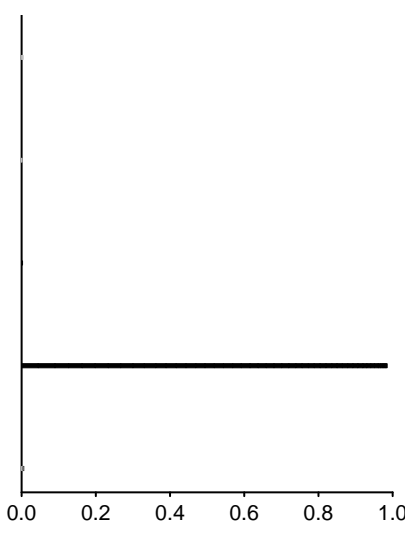
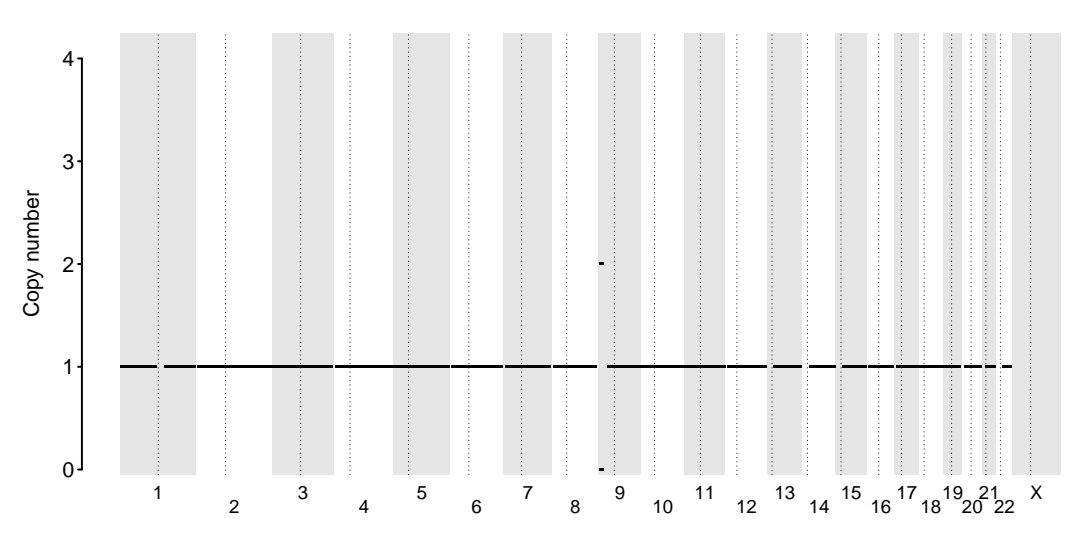
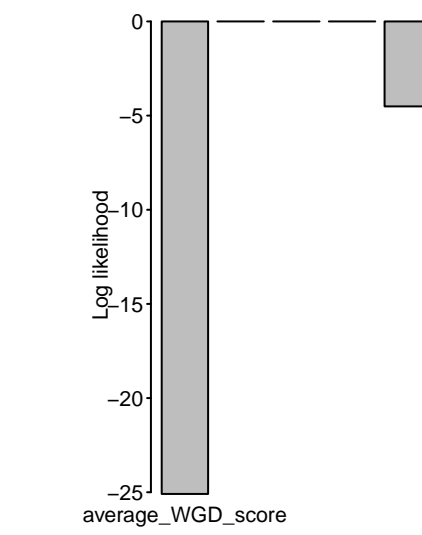
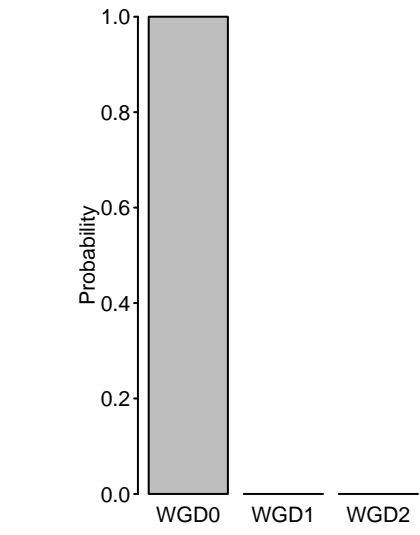
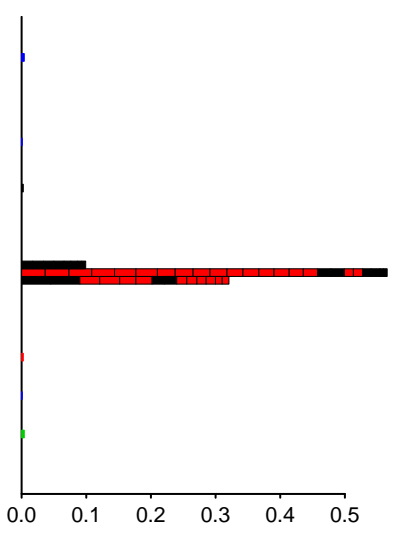
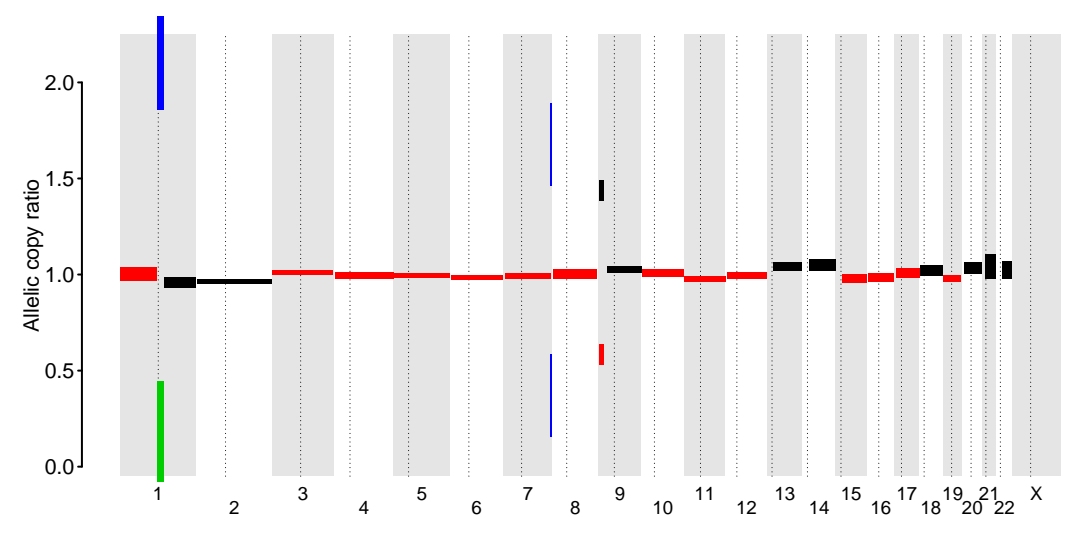
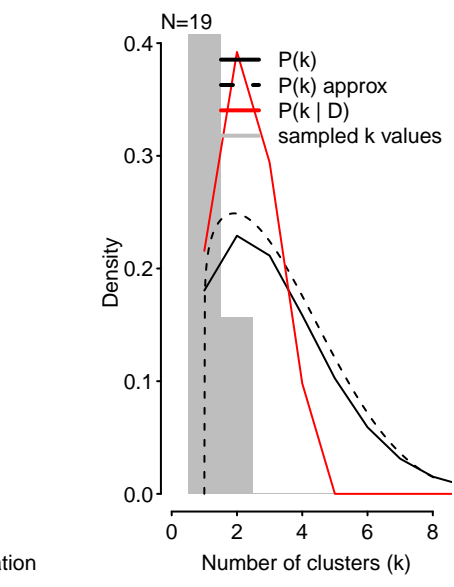
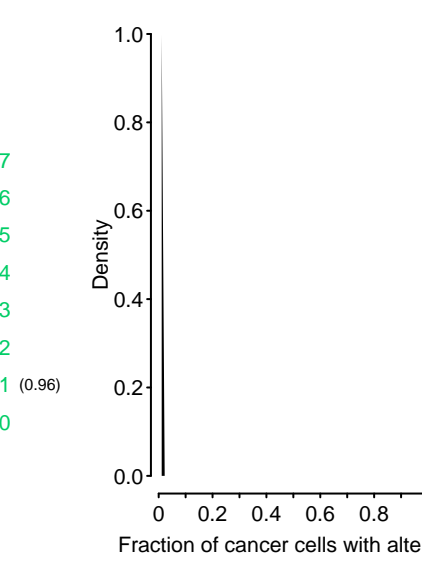
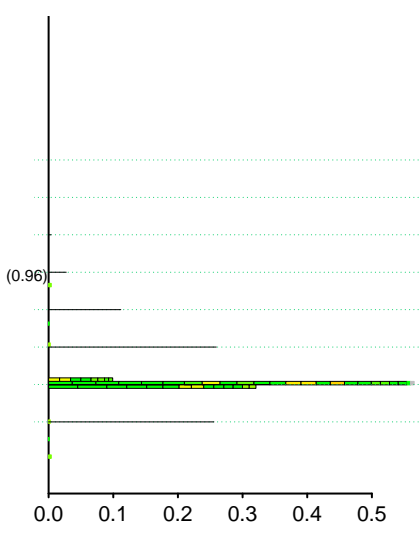
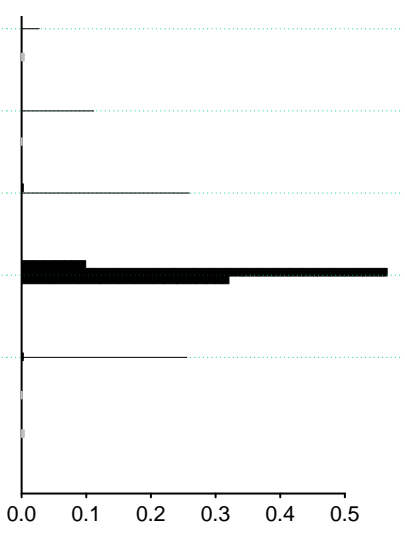
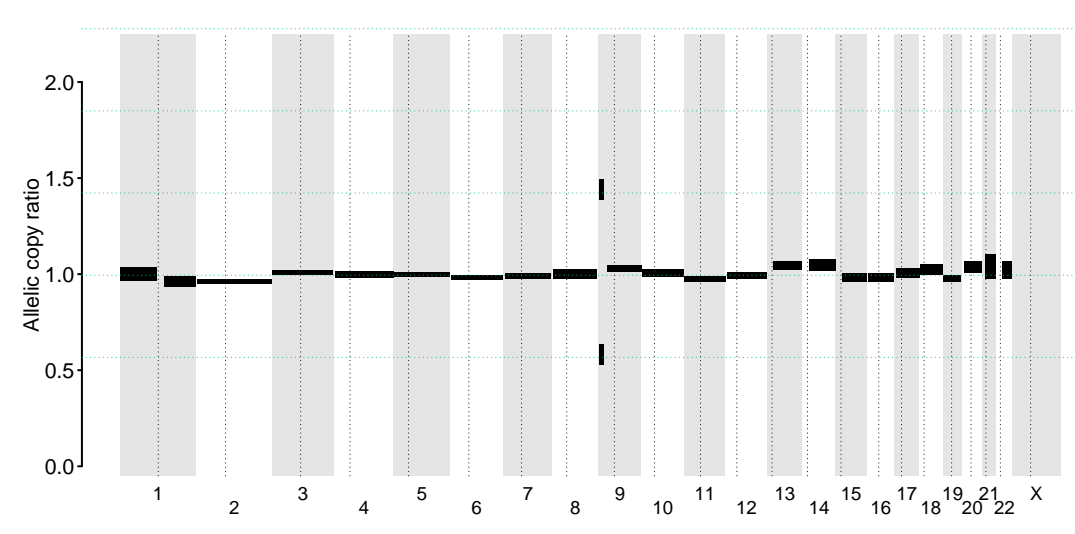
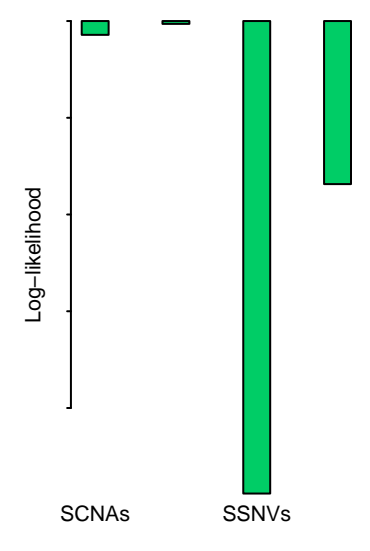
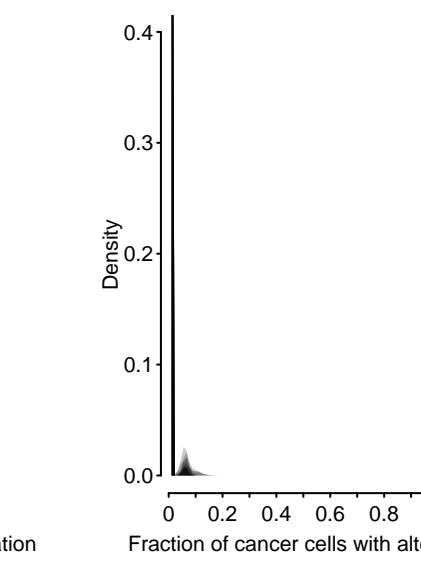
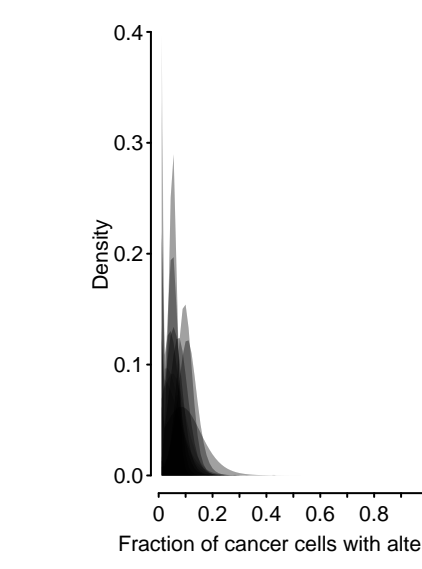
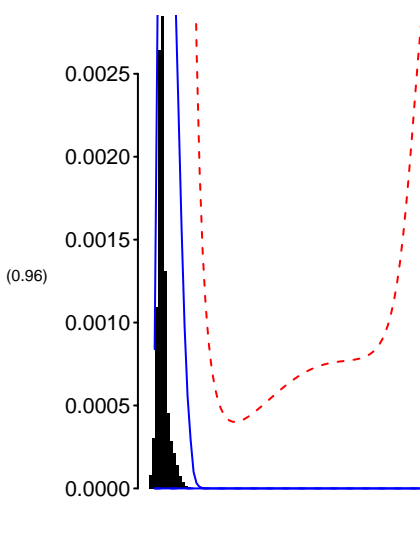
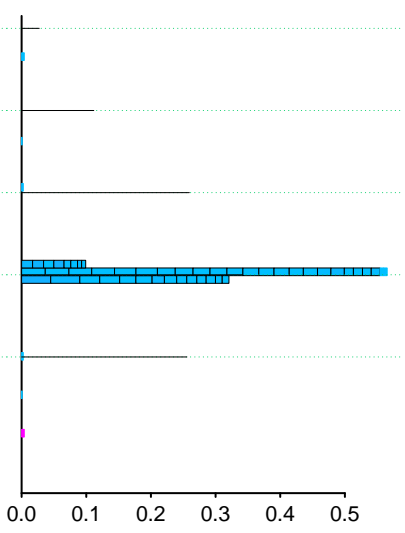
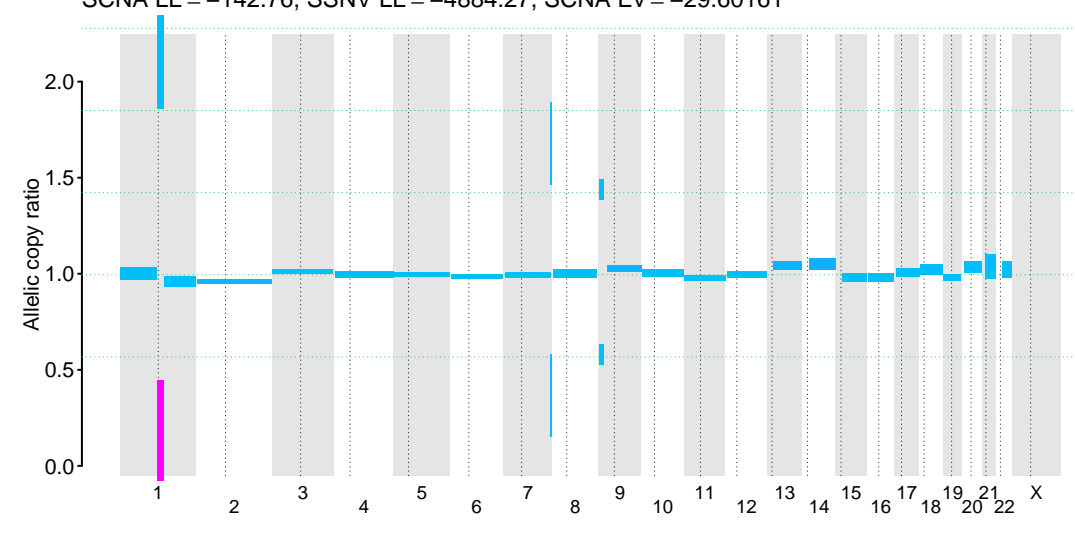
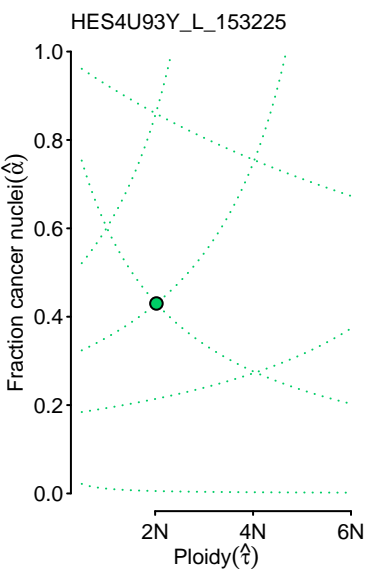
purity($\hat{\alpha}$) = 0.5, ploidy: $\hat{t} = 2.01$, $\hat{t}_g = 1.99$
 $\hat{\theta}_z = 0$, $\hat{\theta}_0 = 1.252$, WGD=0
 SCNA LL = -186.28, SSNV LL = -4714.59, SCNA Ev = -32.95284



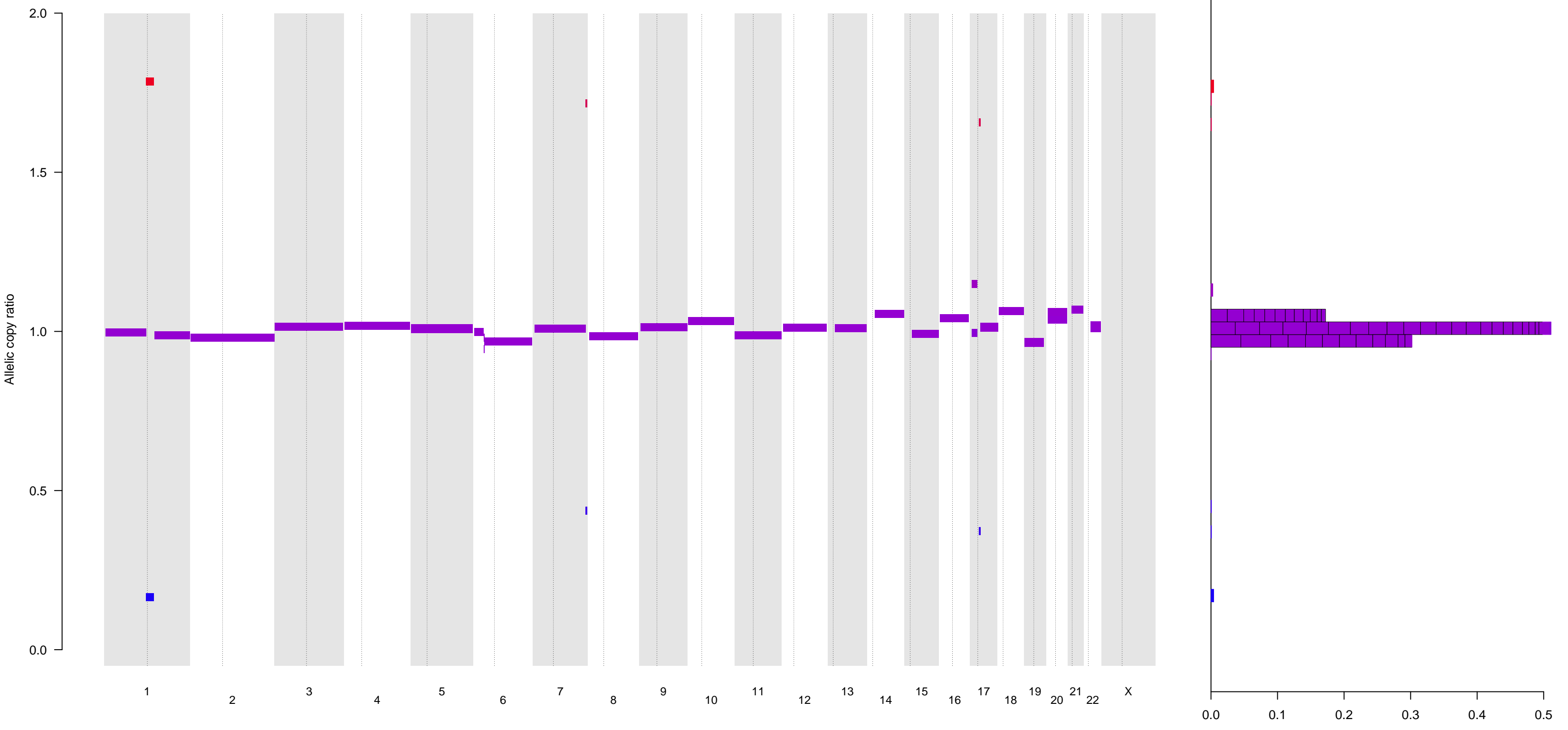
Sample 63



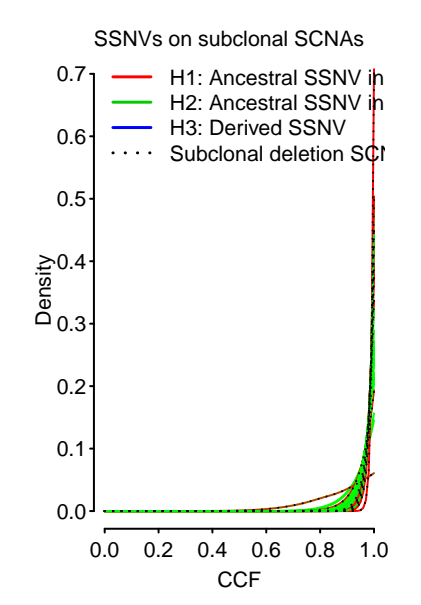
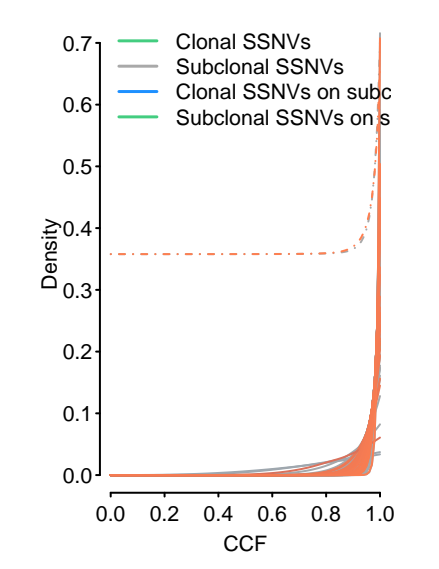
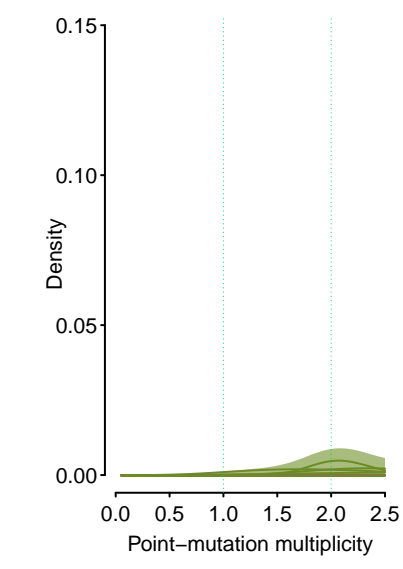
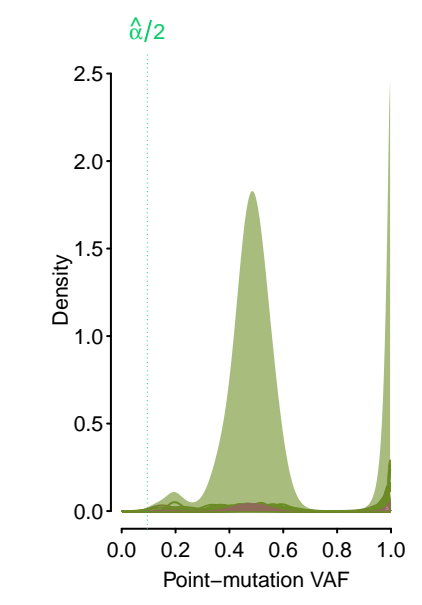
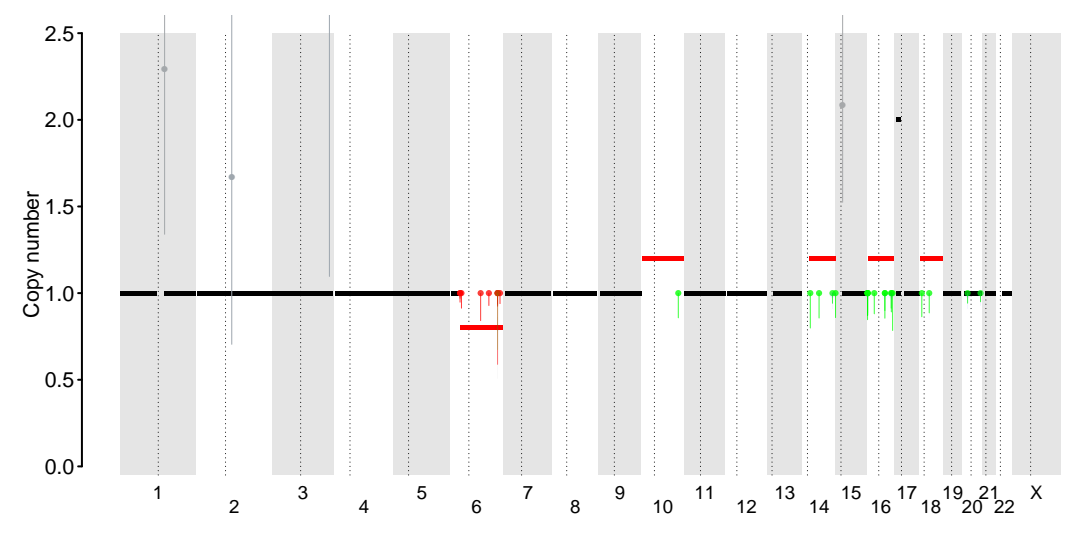
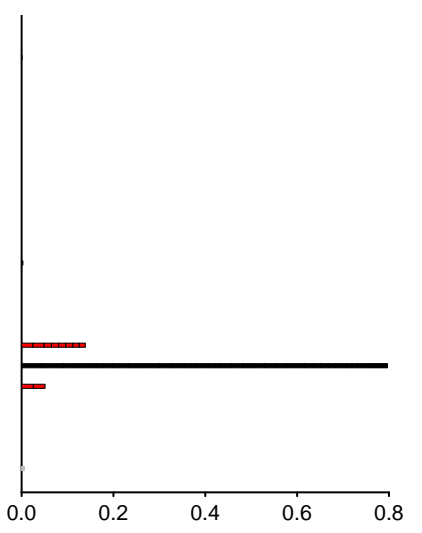
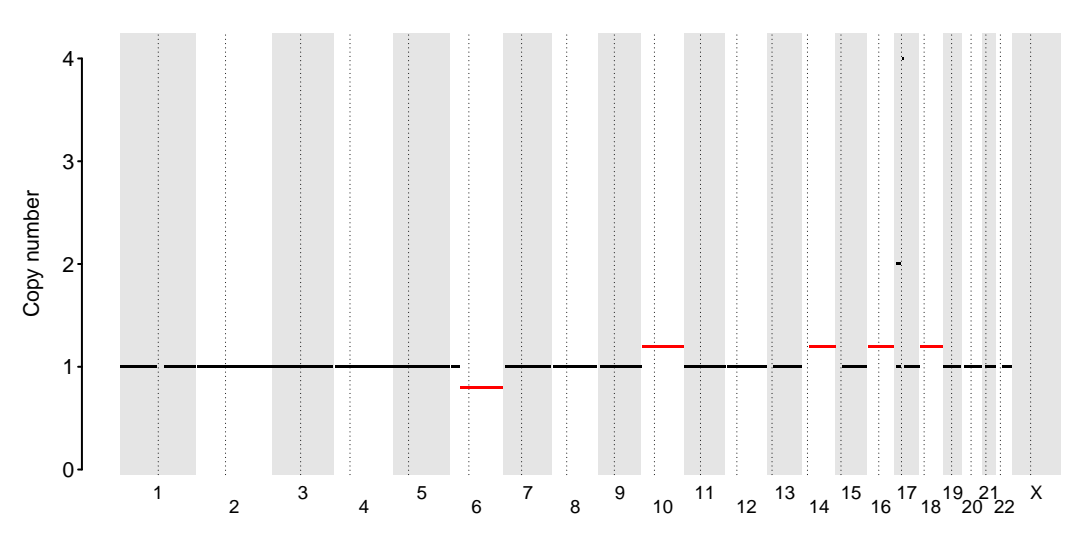
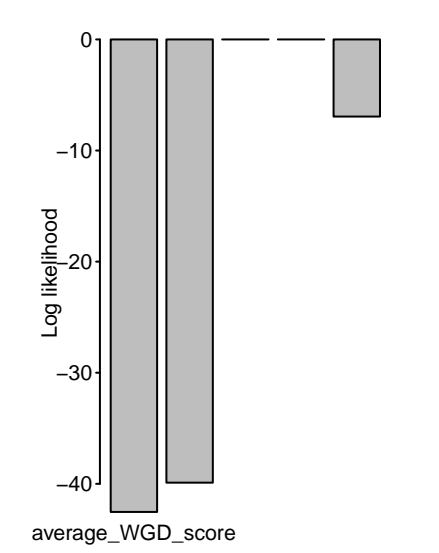
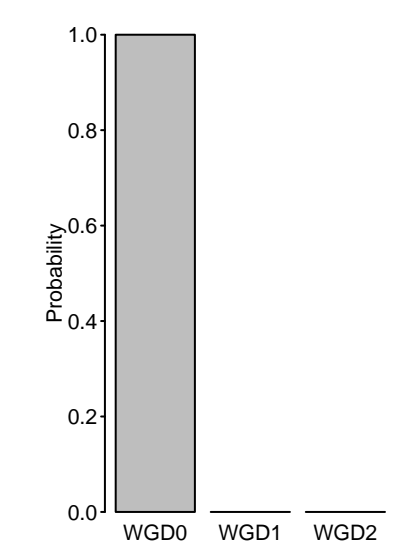
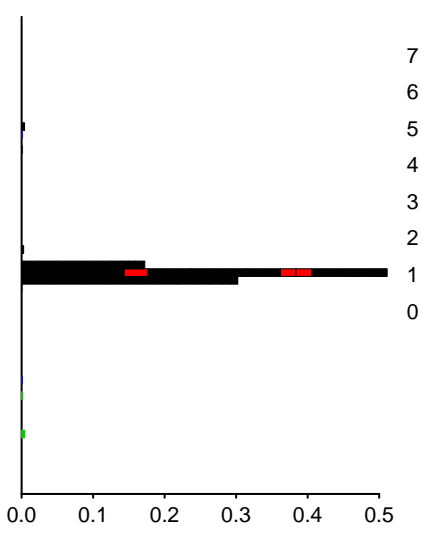
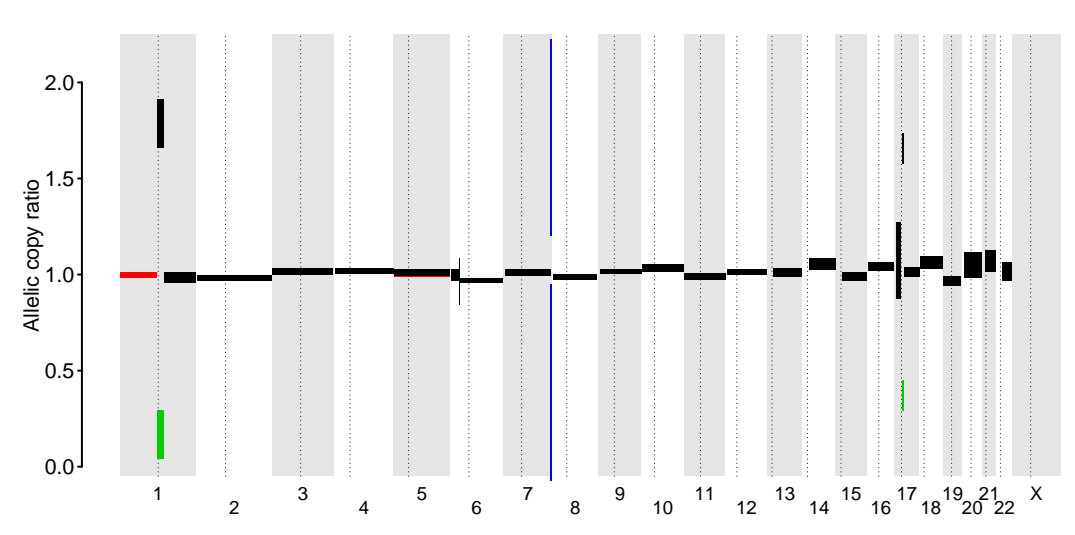
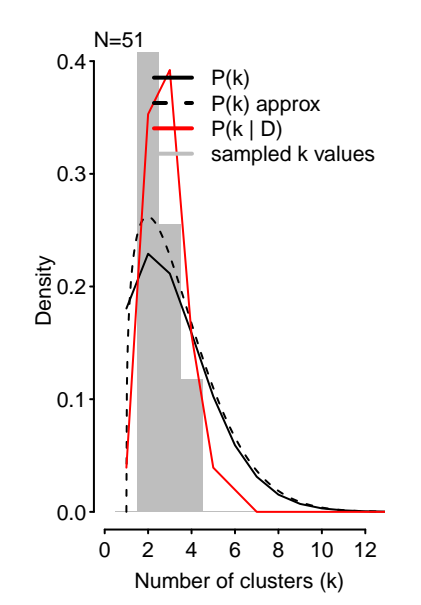
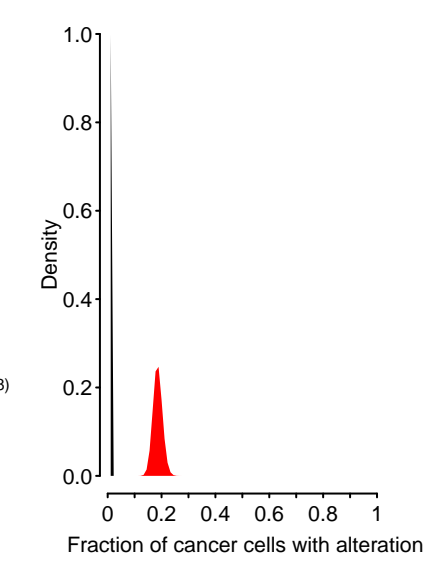
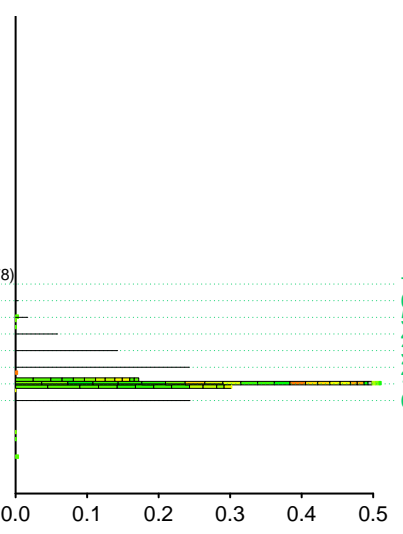
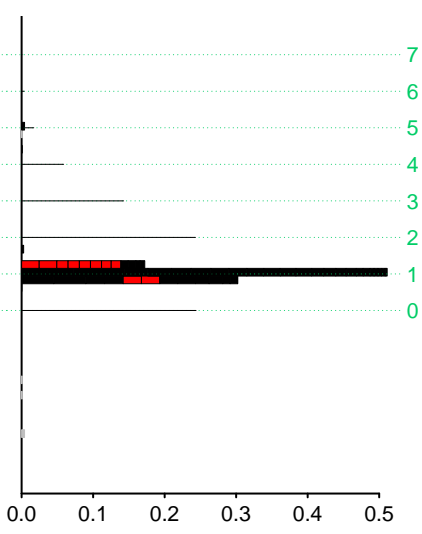
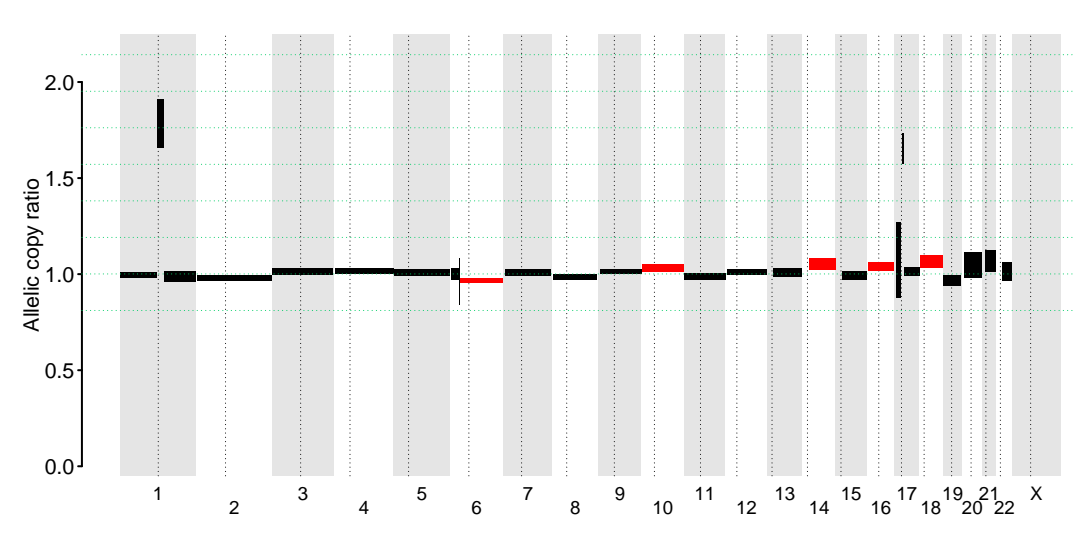
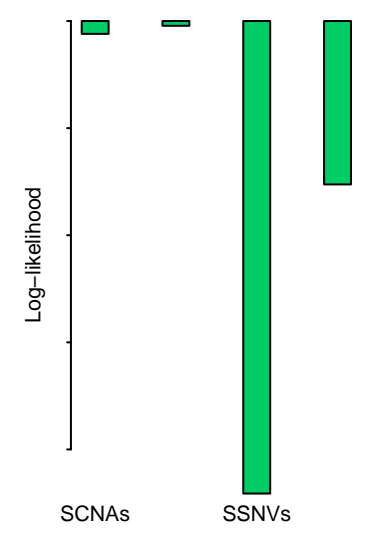
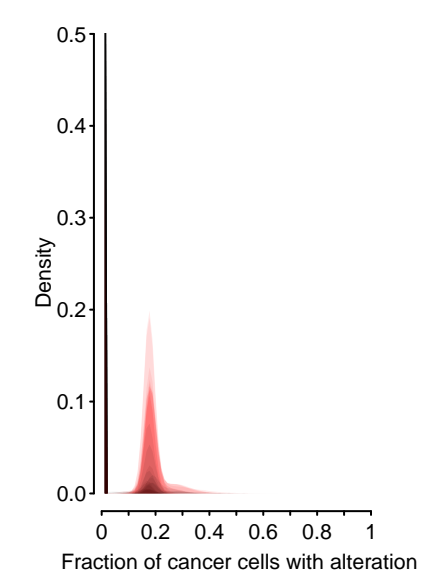
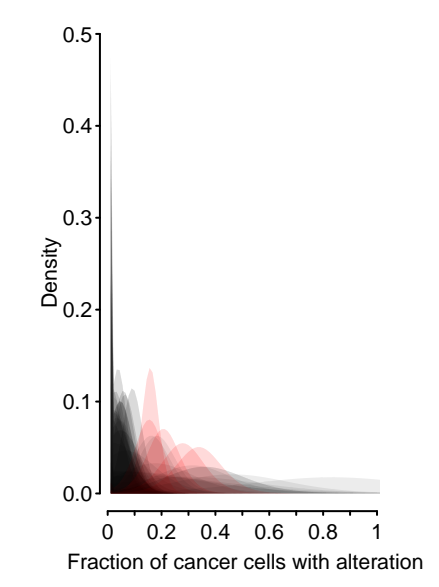
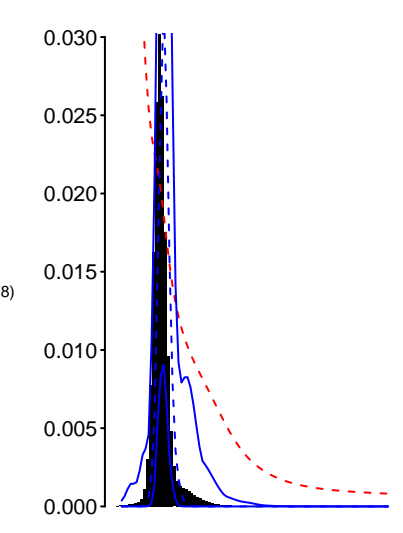
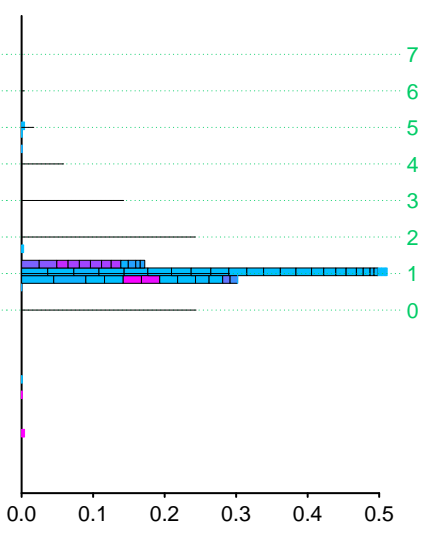
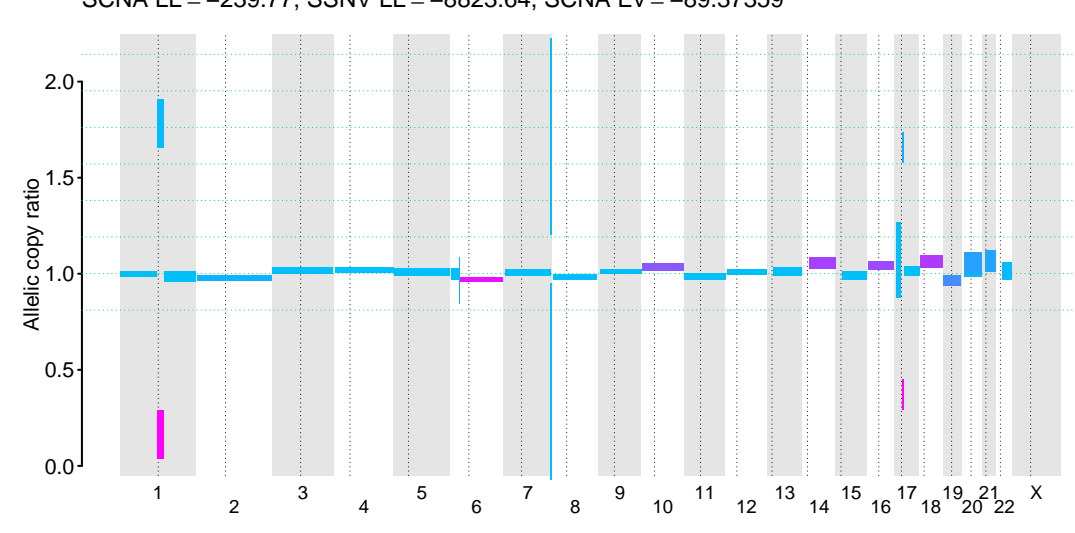
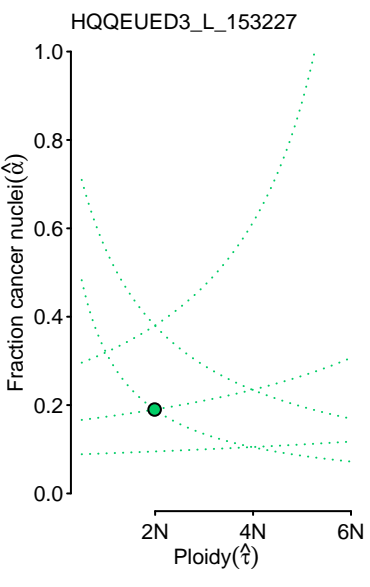
purity($\hat{\alpha}$) = 0.43, ploidy: $\hat{t} = 2.03$, $\hat{t}_g = 2.01$
 $\theta_z = 0.01$, $\theta_Q = 1.328$, WGD=0
SCNA LL = -142.76, SSNV LL = -4884.27, SCNA Ev = -29.60161



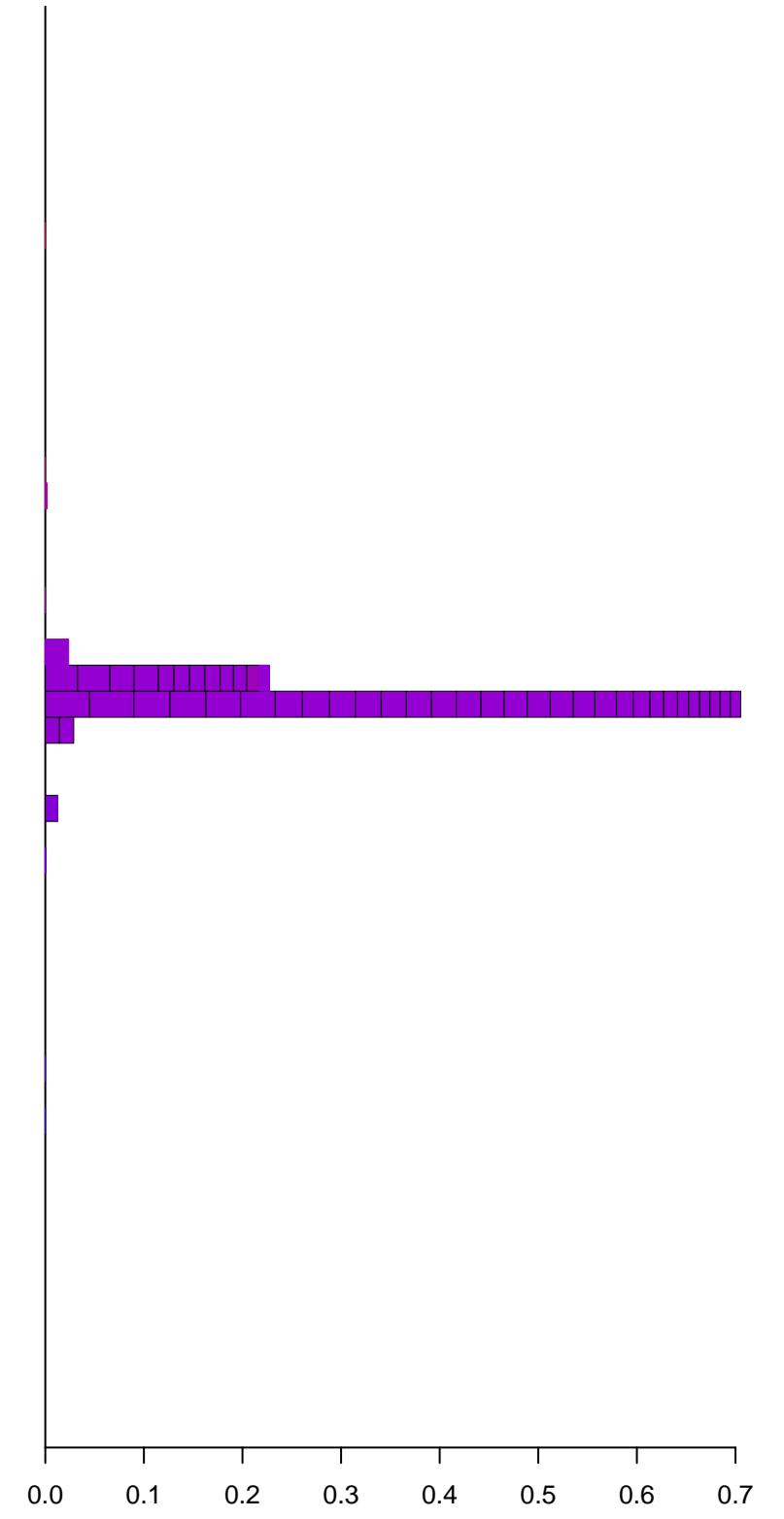
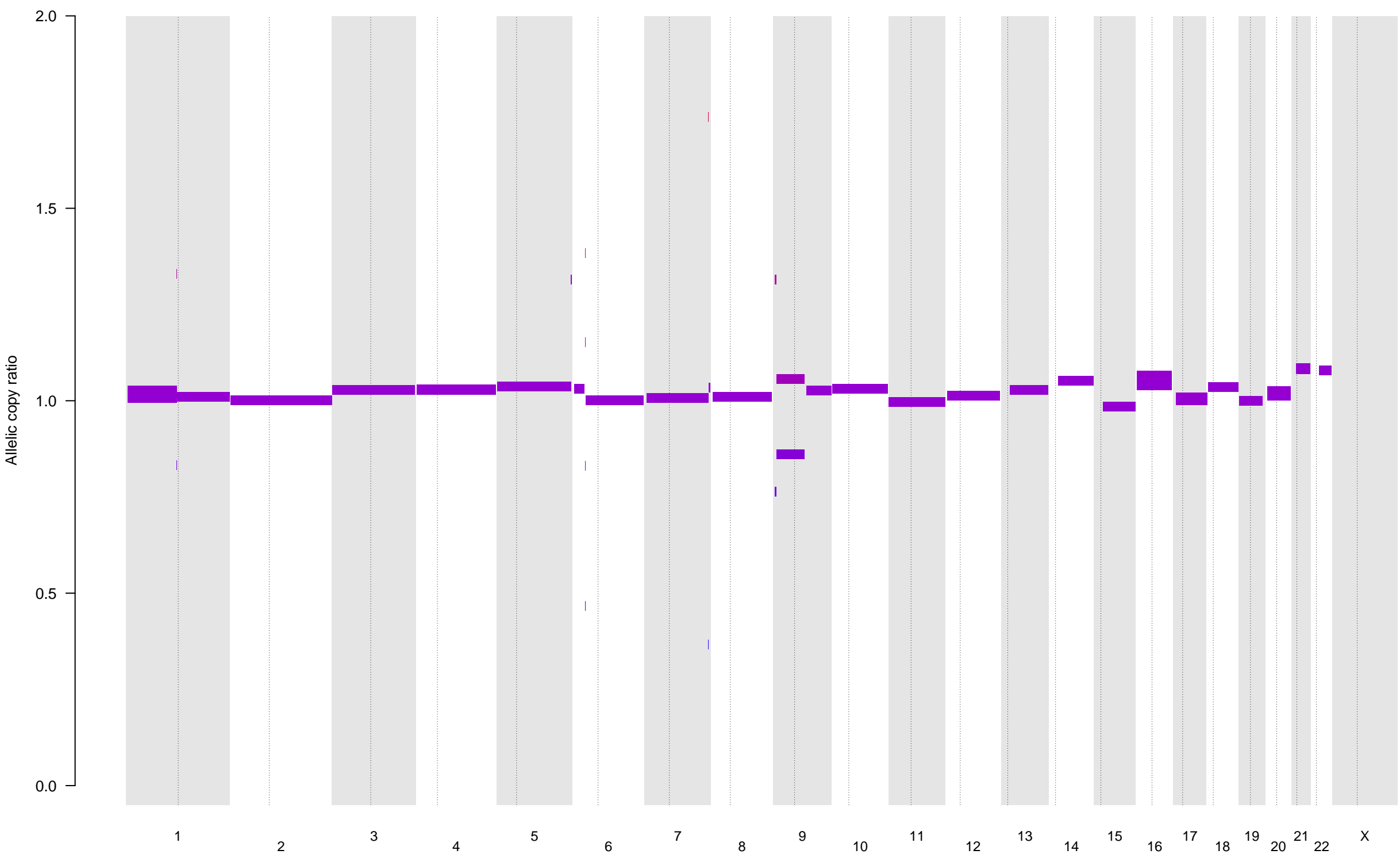
Sample 64

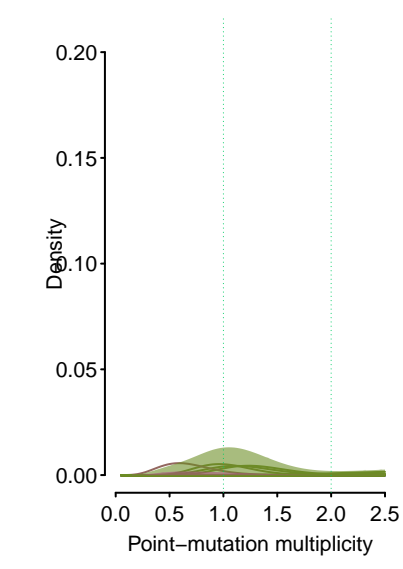
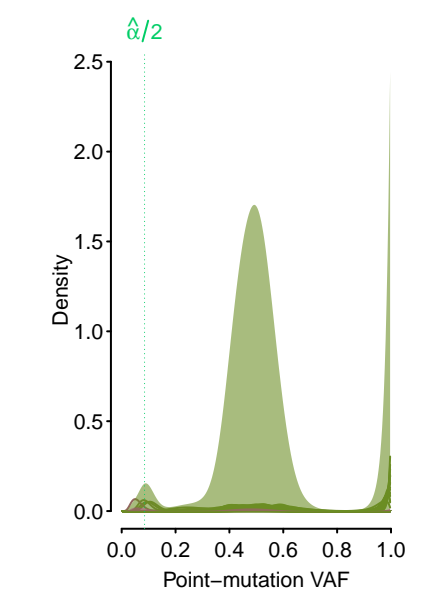
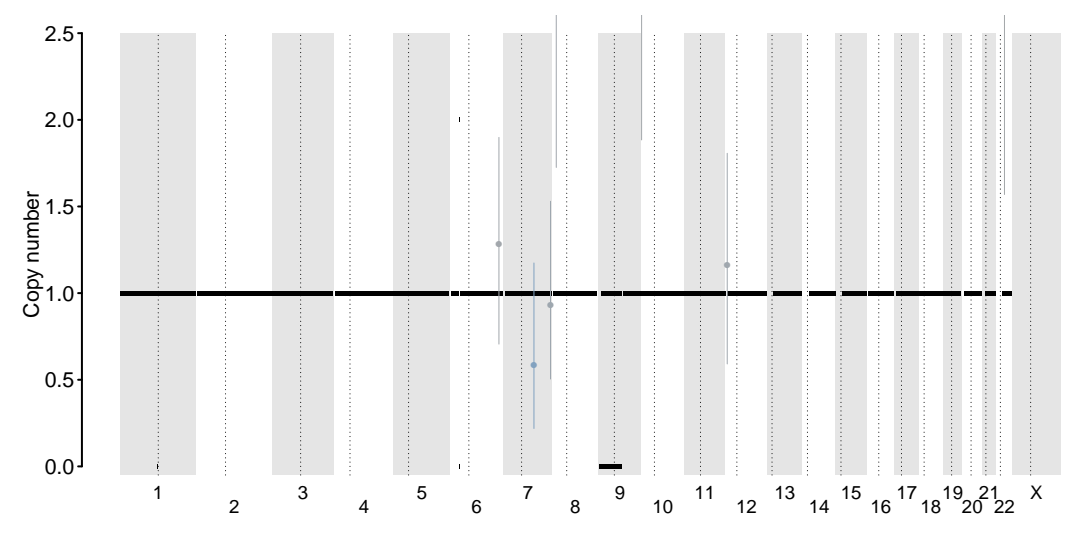
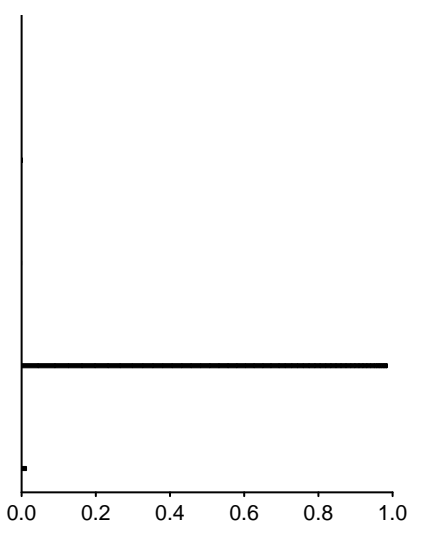
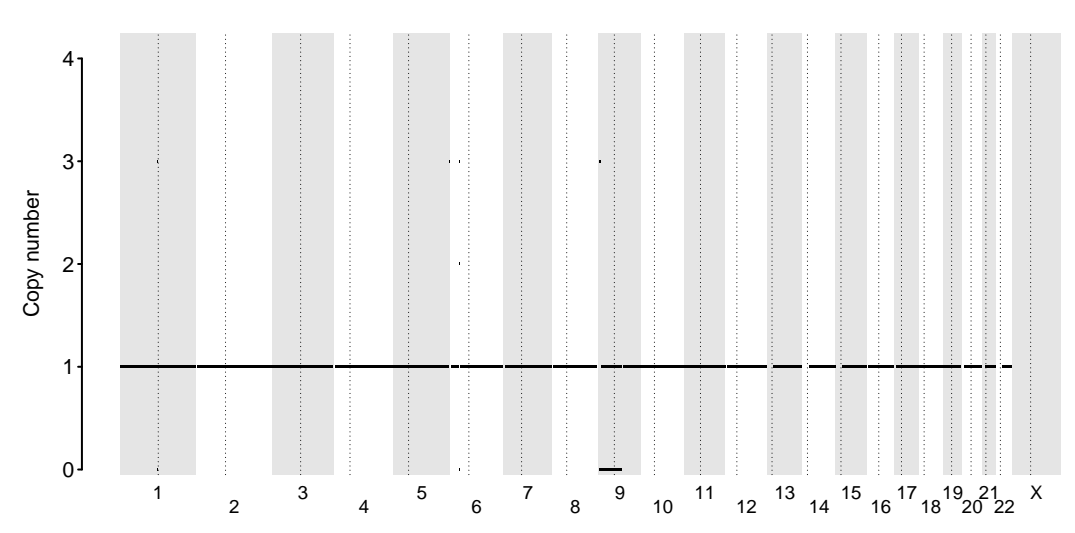
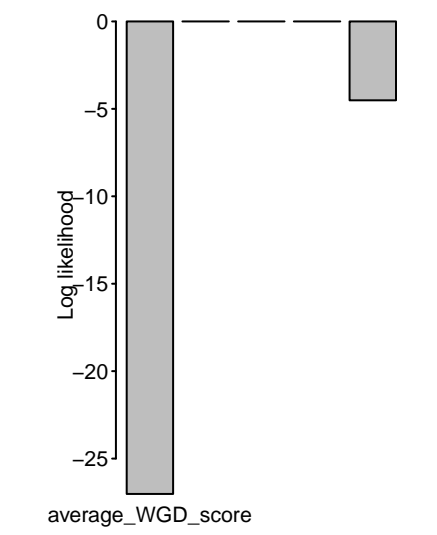
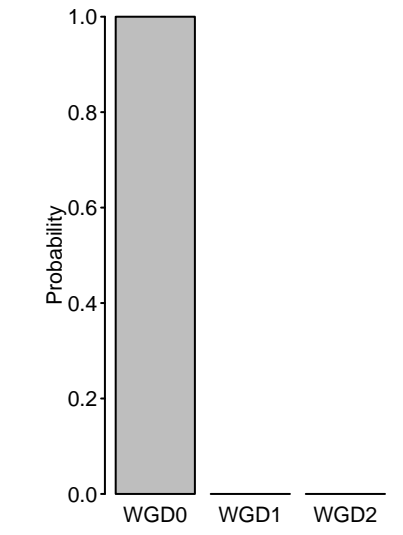
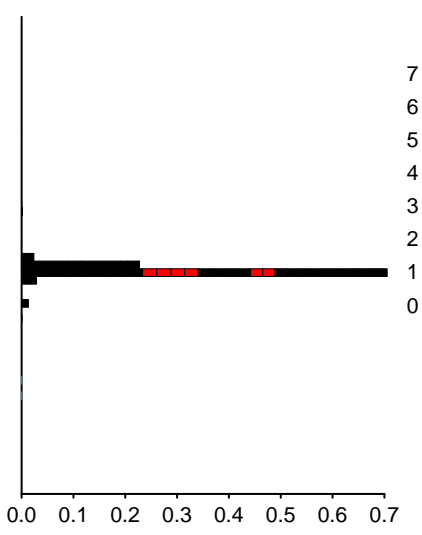
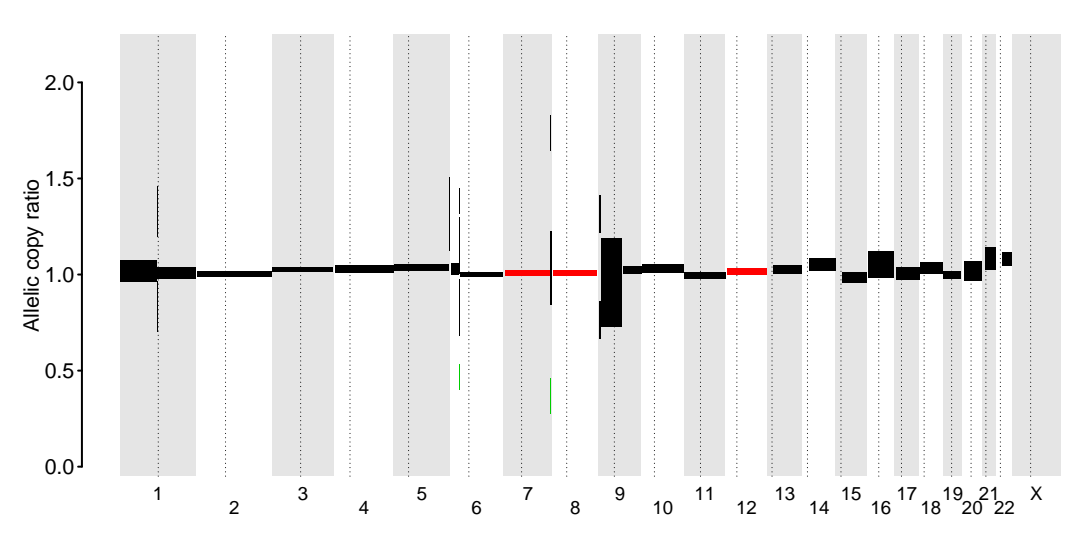
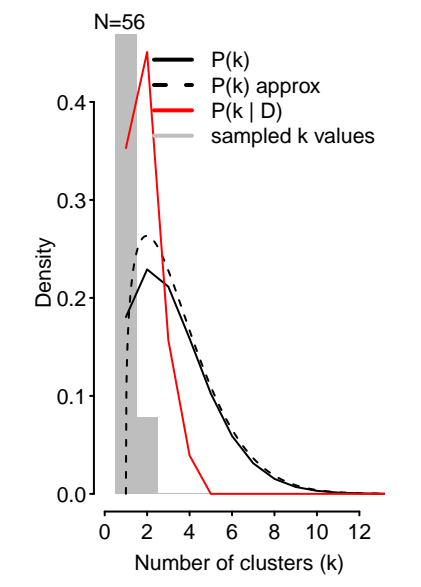
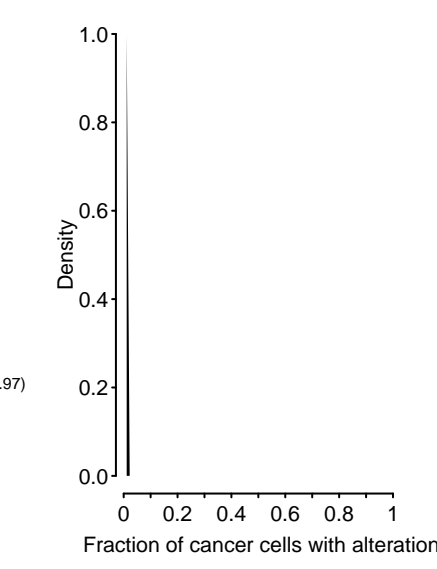
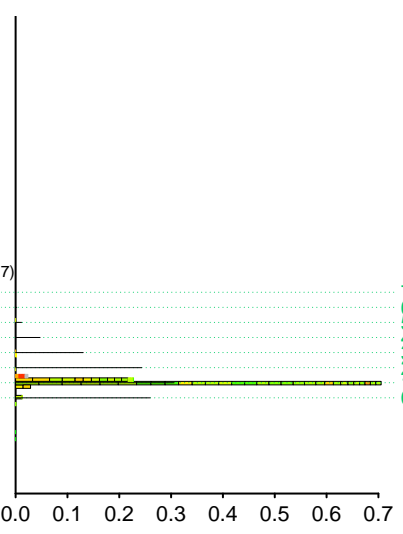
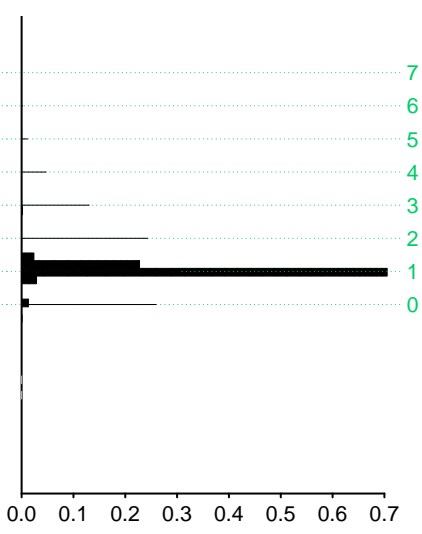
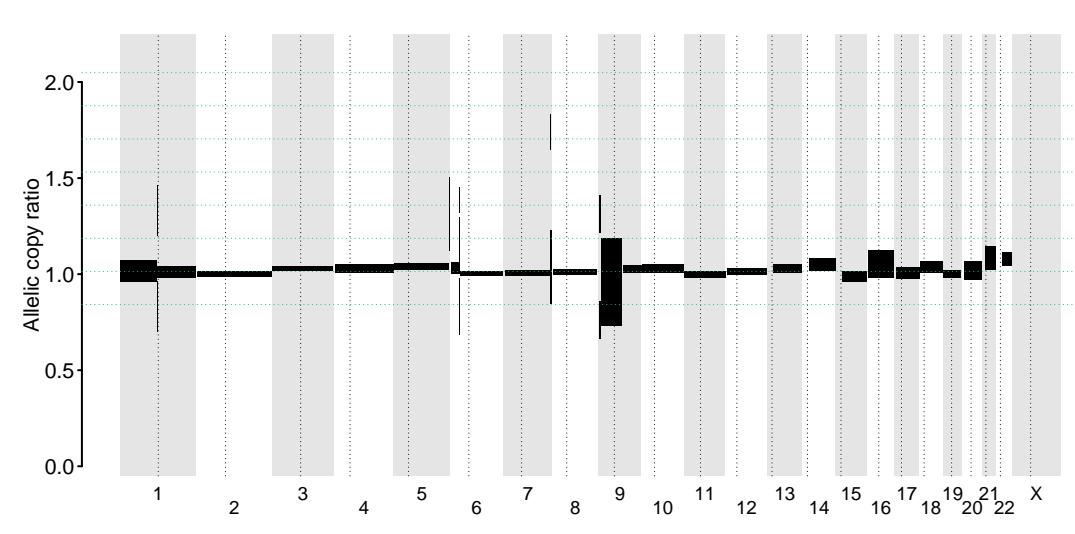
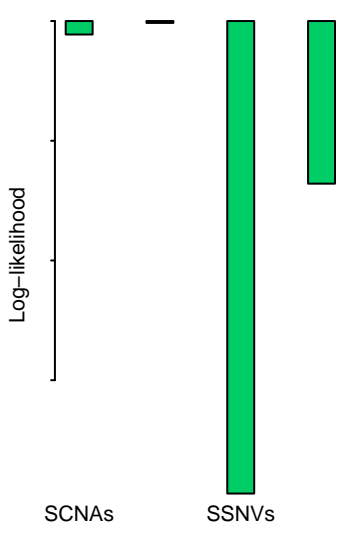
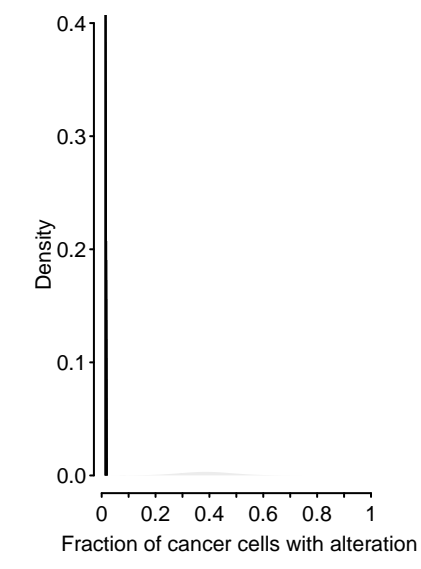
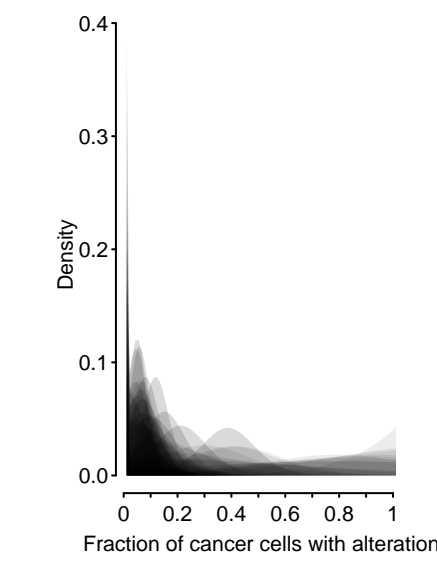
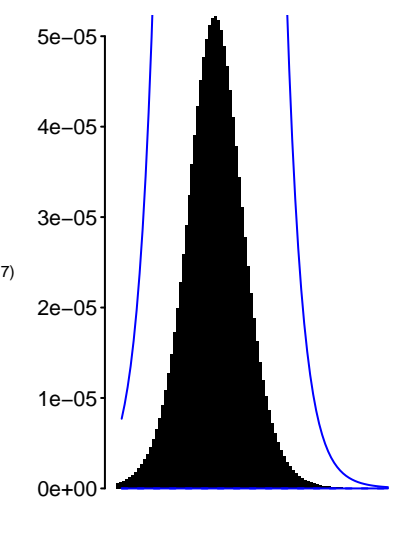
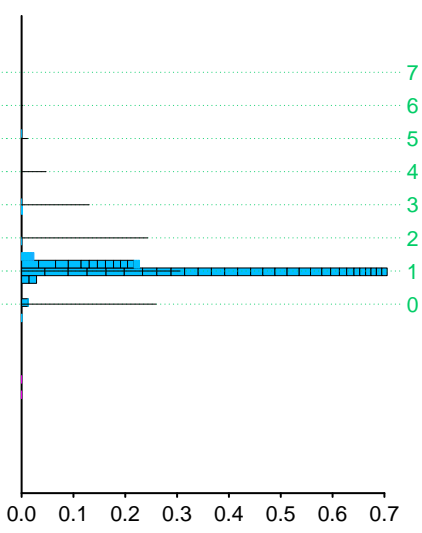
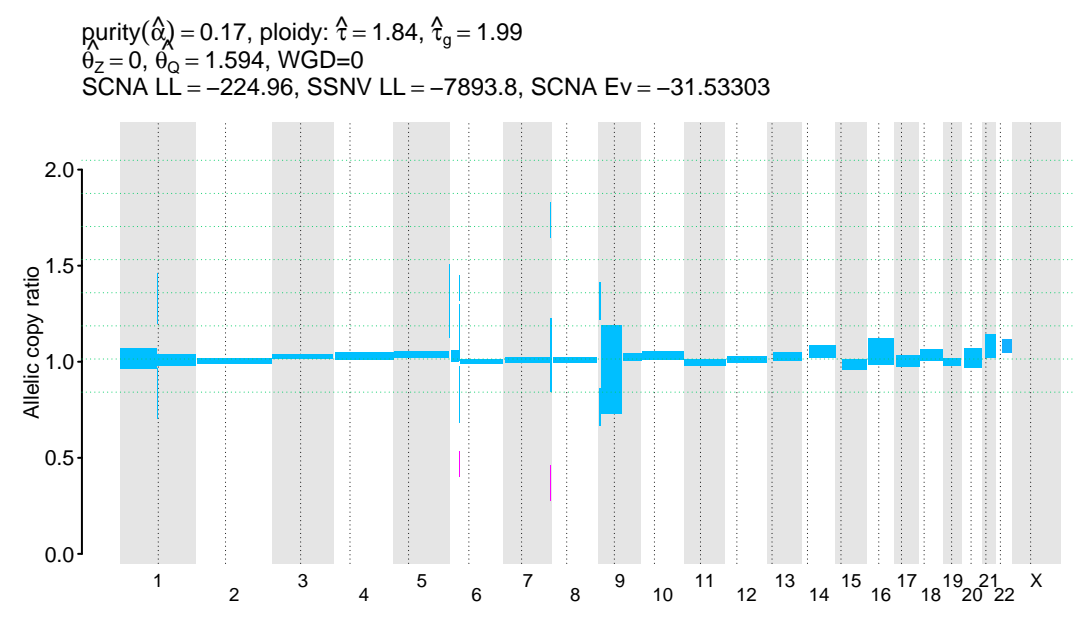
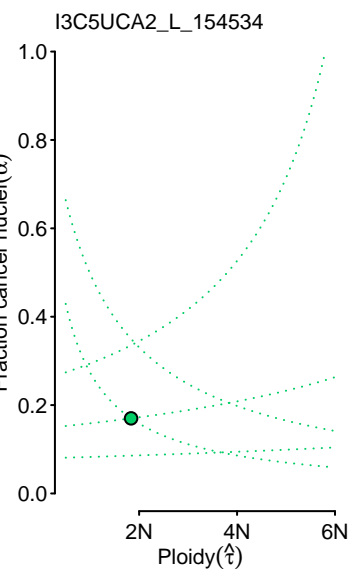


$\hat{\alpha} = 0.19$, ploidy: $\hat{\tau} = 1.99$, $\hat{\tau}_g = 2.04$
 $\theta_z = 0.16$, $\theta_Q = 1.681$, WGD=0
 SCNA LL = -239.77, SSNV LL = -8823.64, SCNA Ev = -89.37359

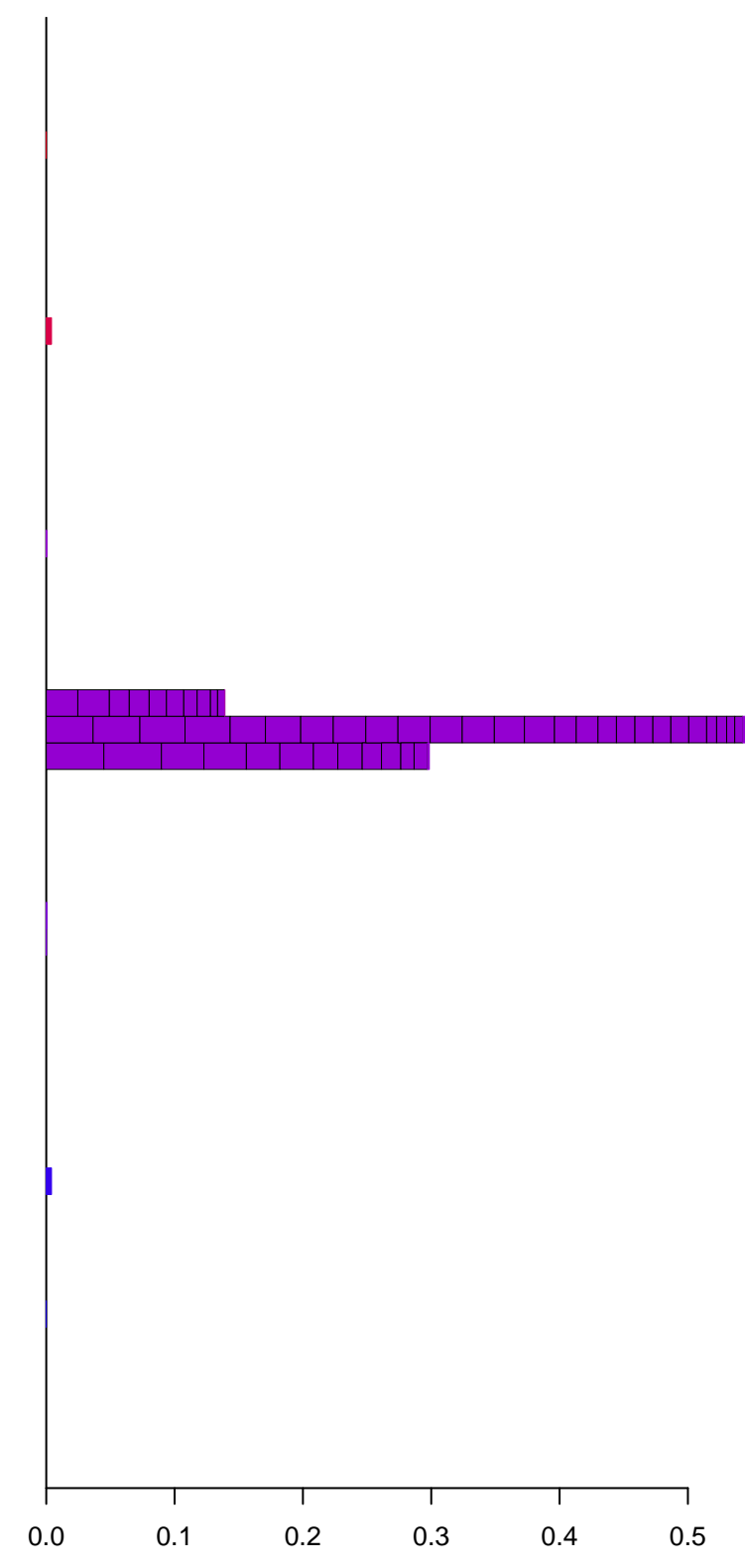
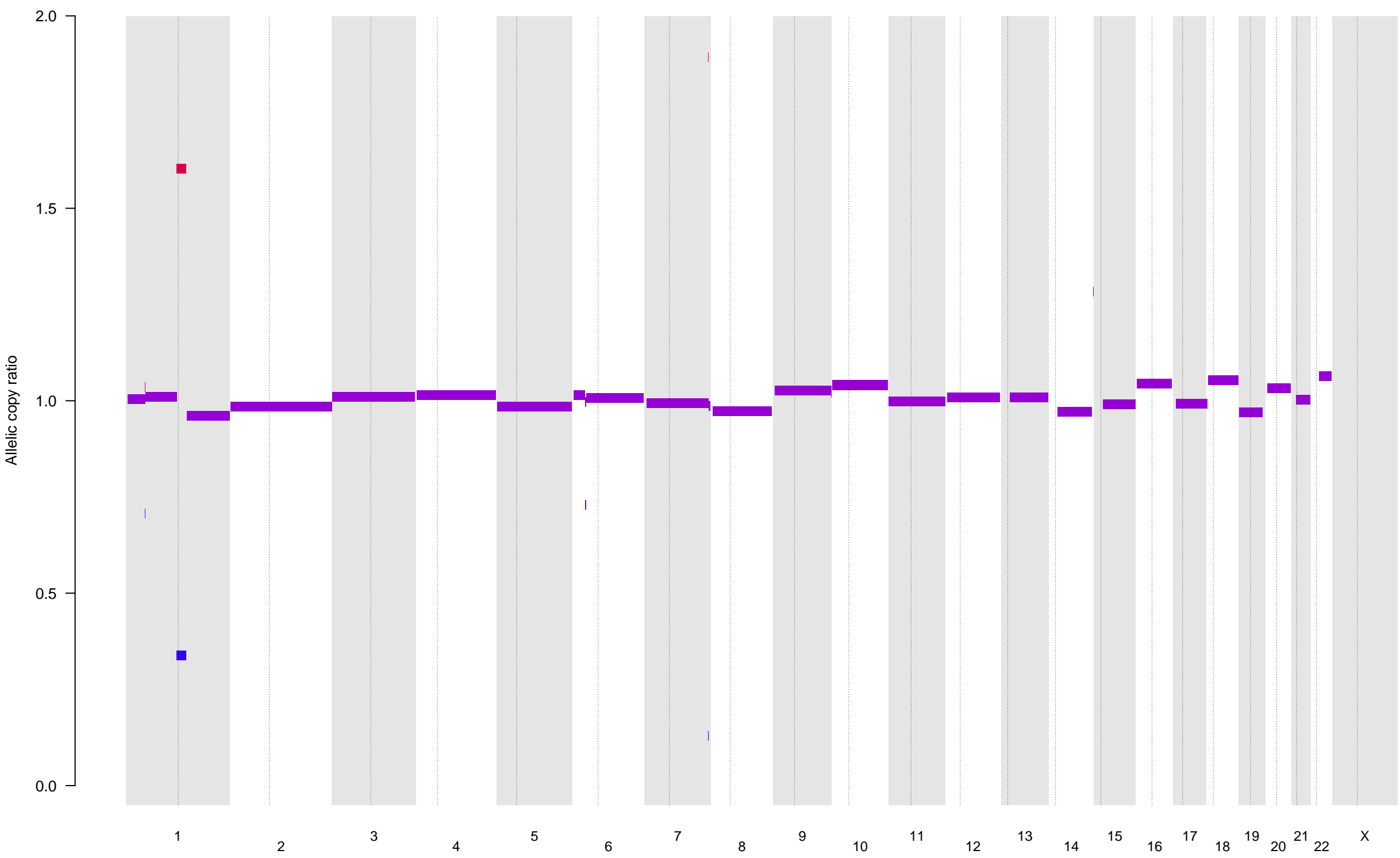


Sample 65

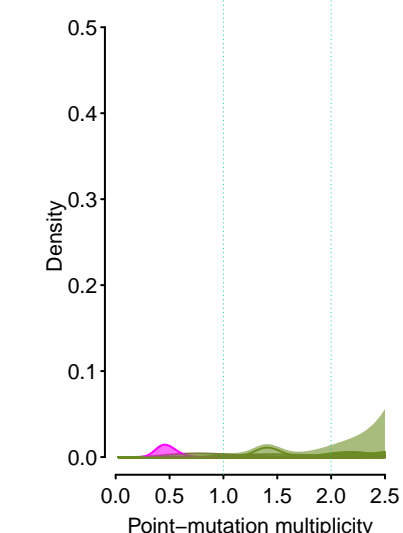
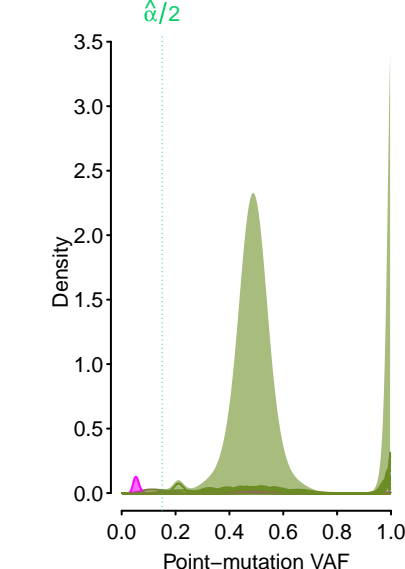
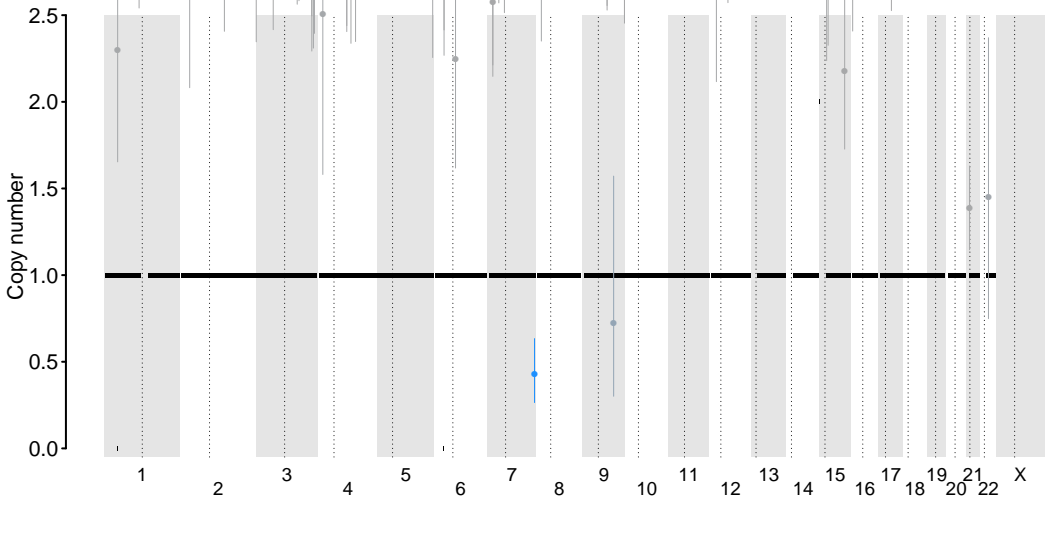
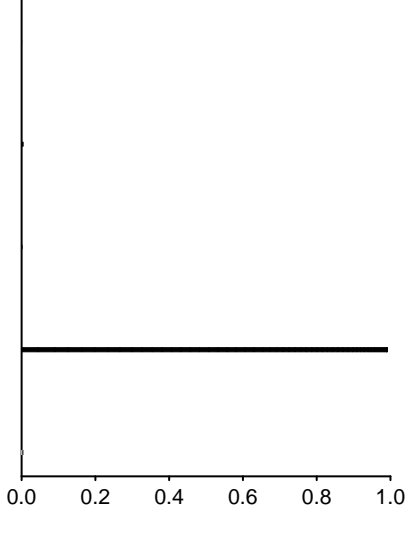
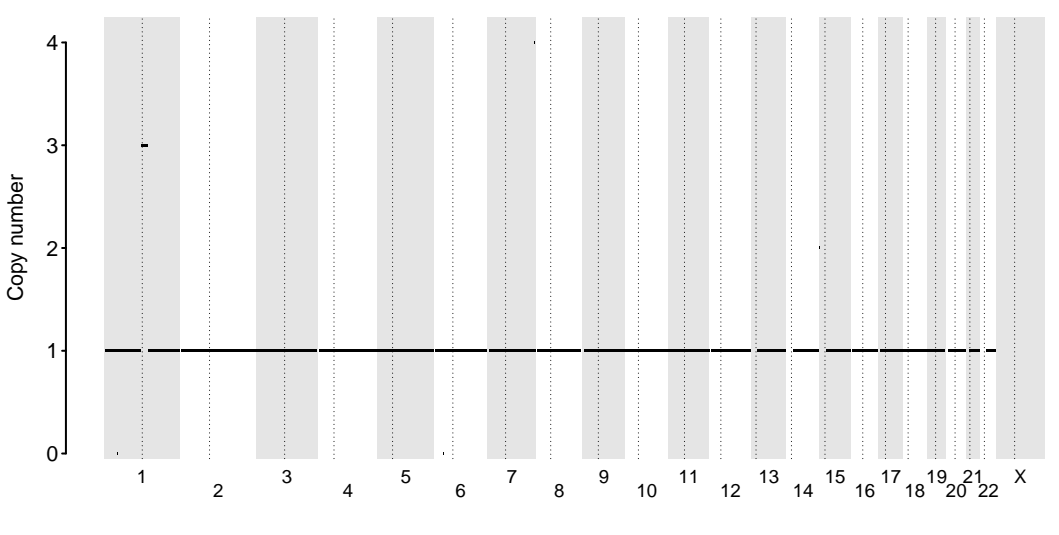
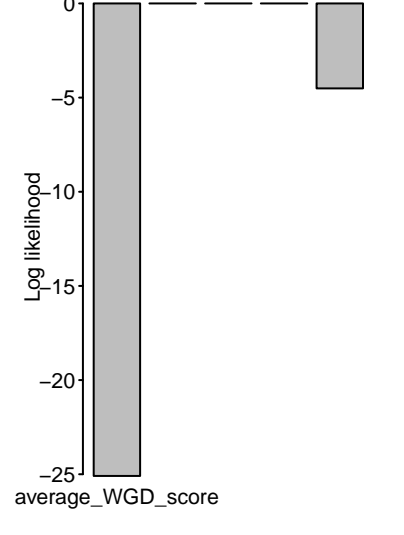
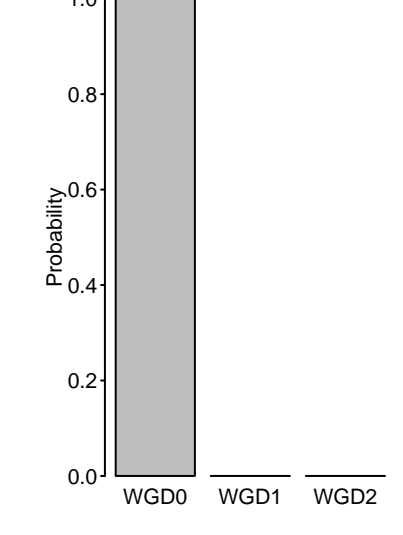
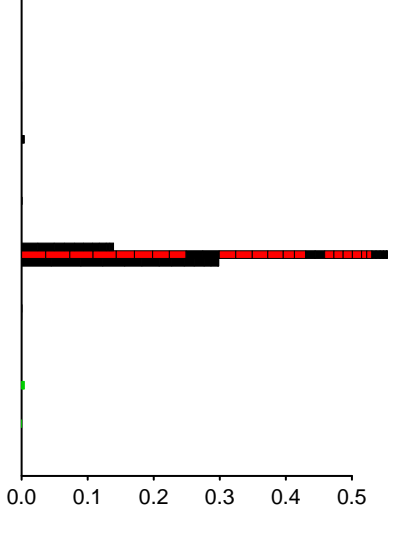
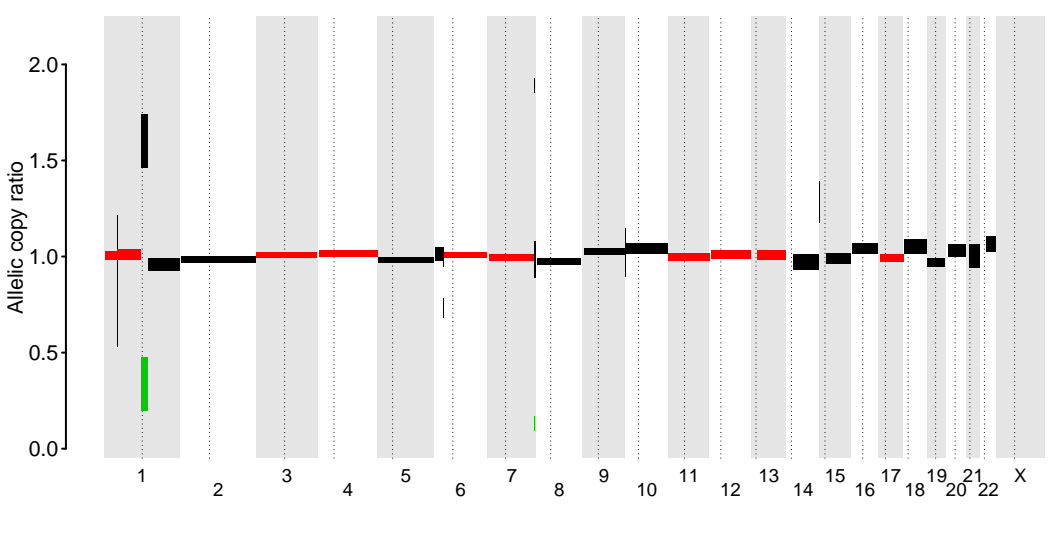
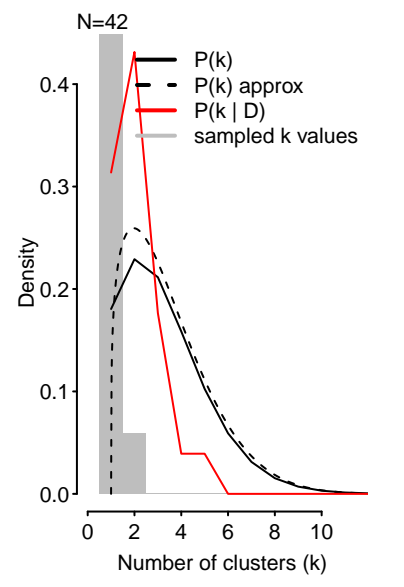
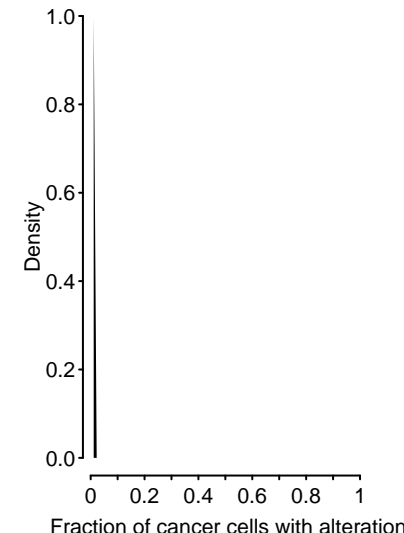
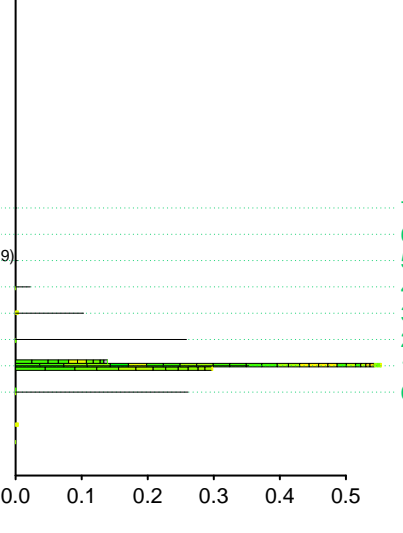
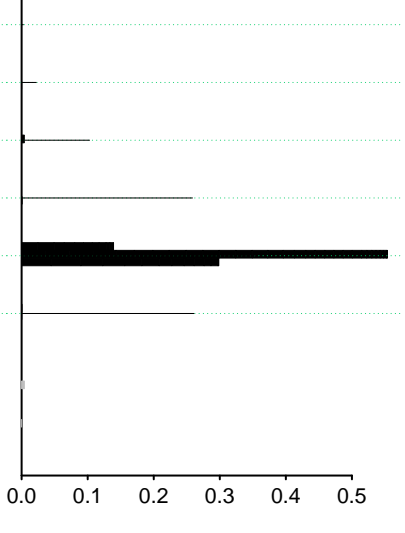
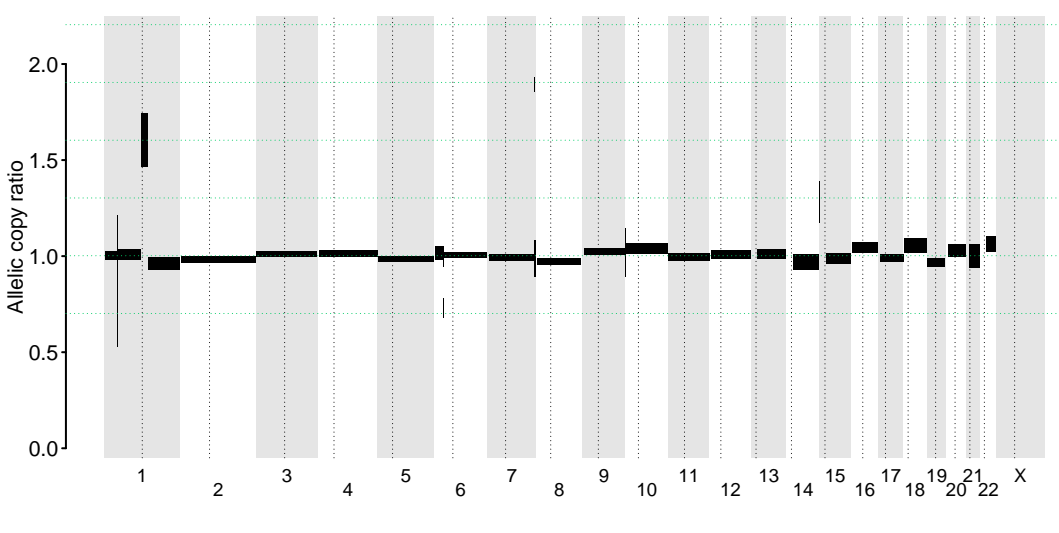
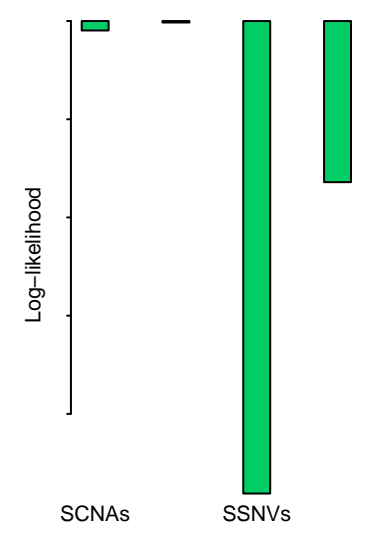
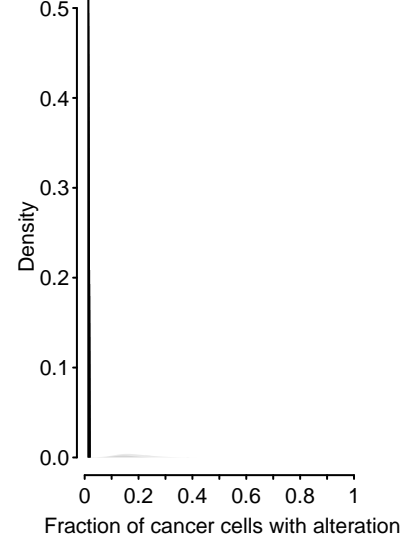
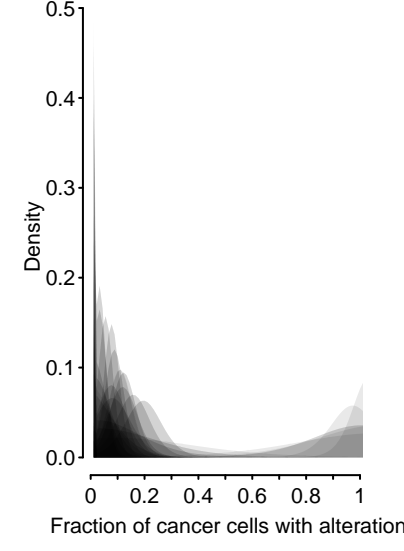
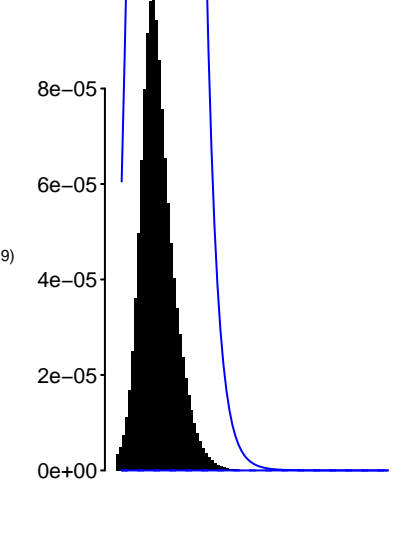
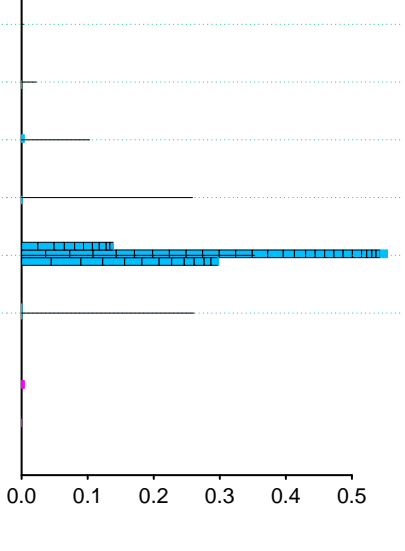
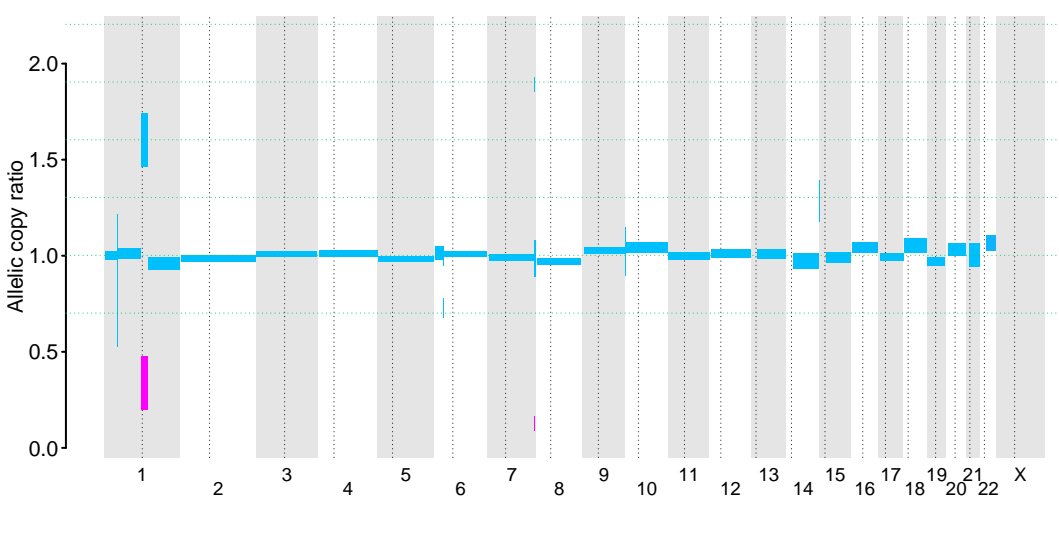
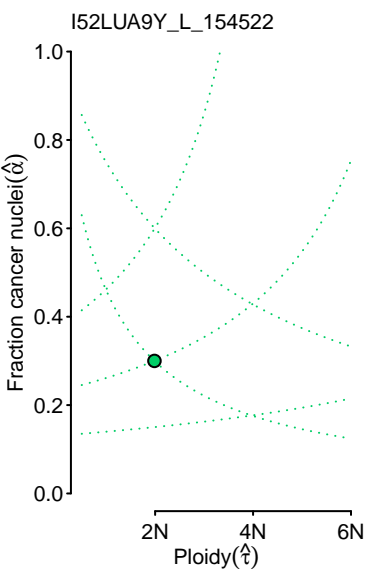




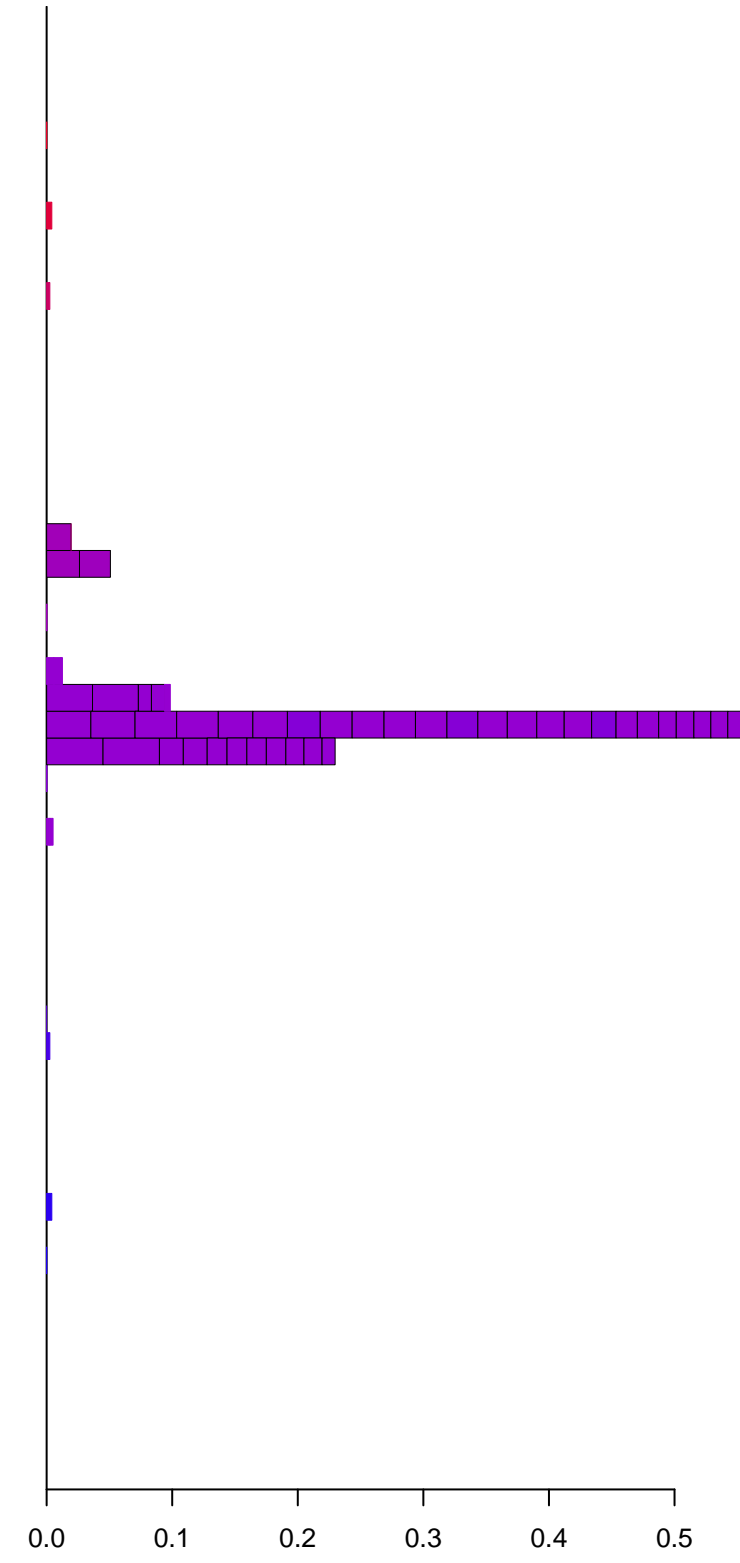
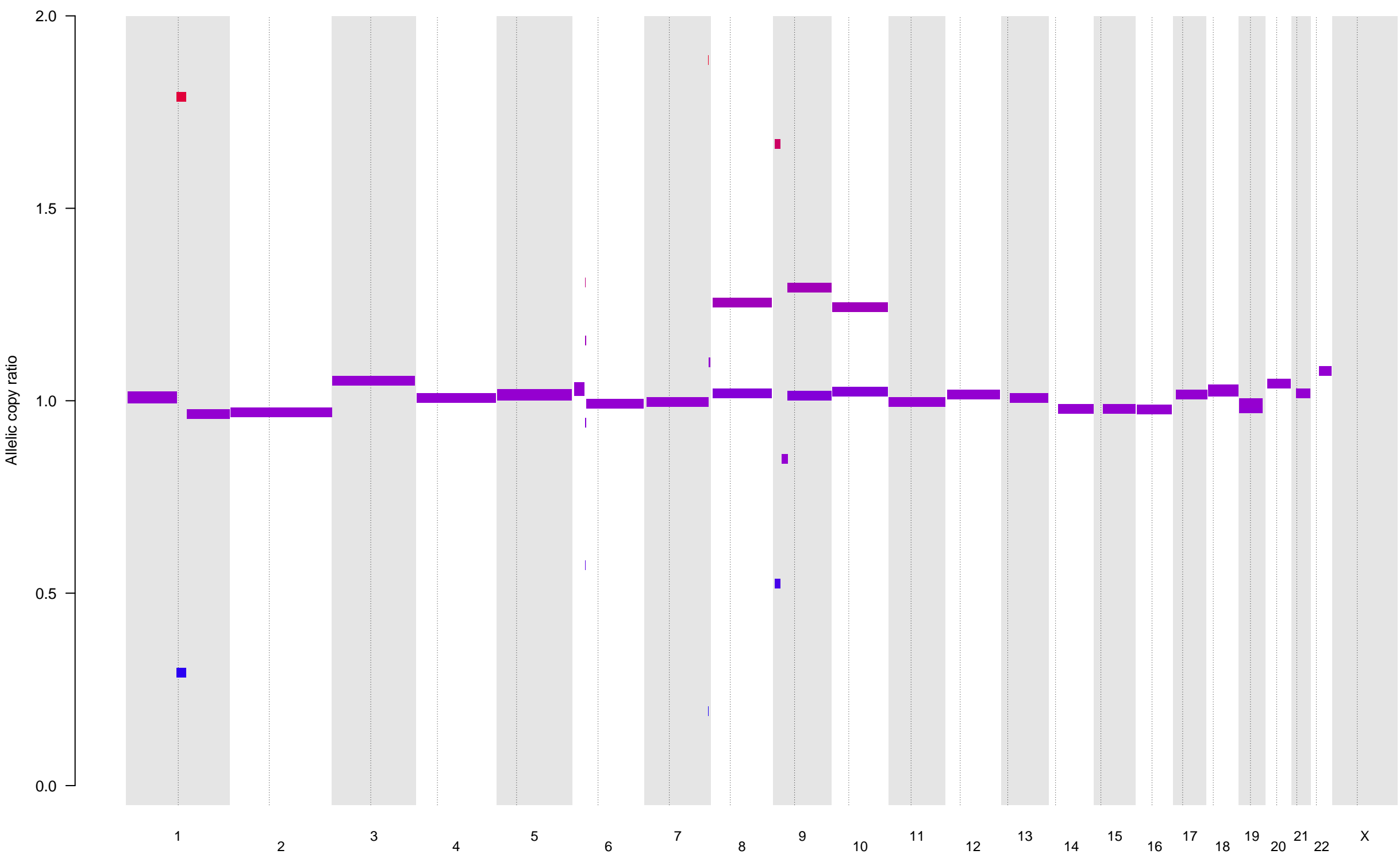
Sample 66



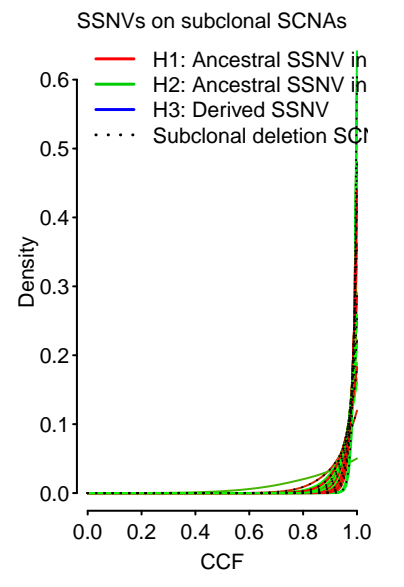
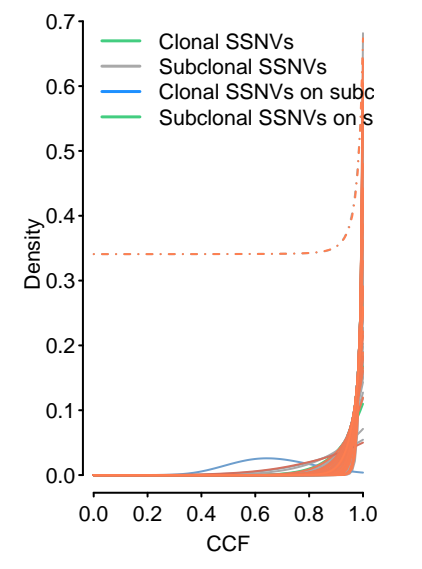
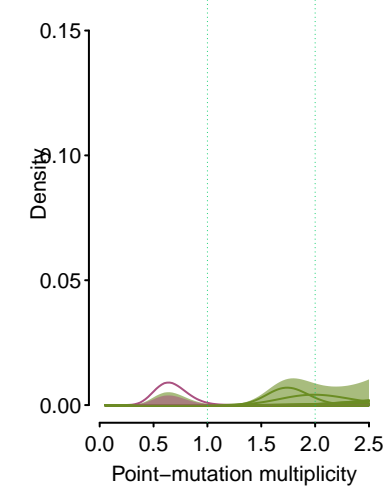
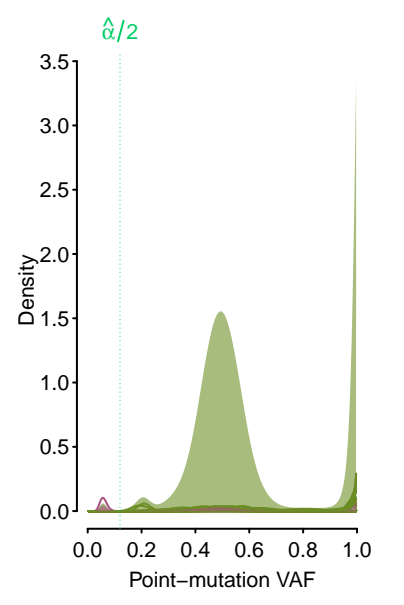
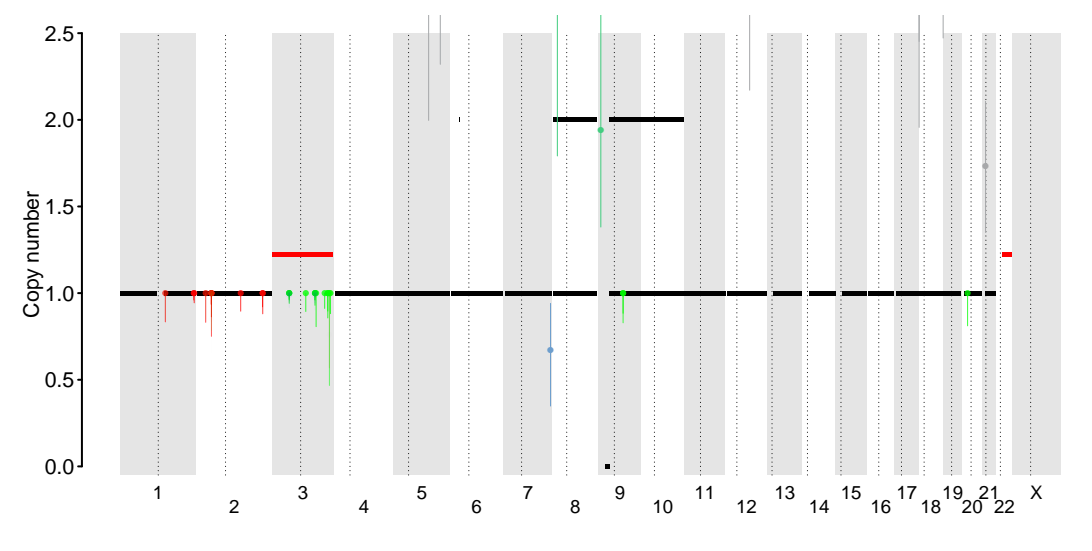
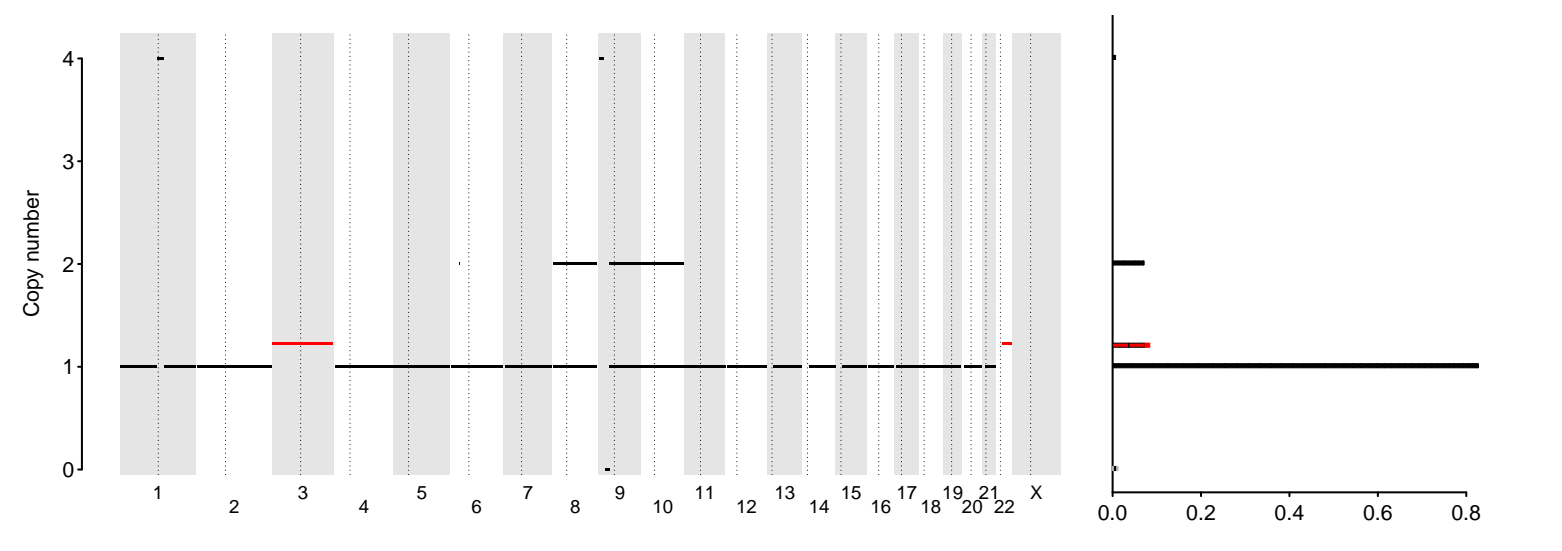
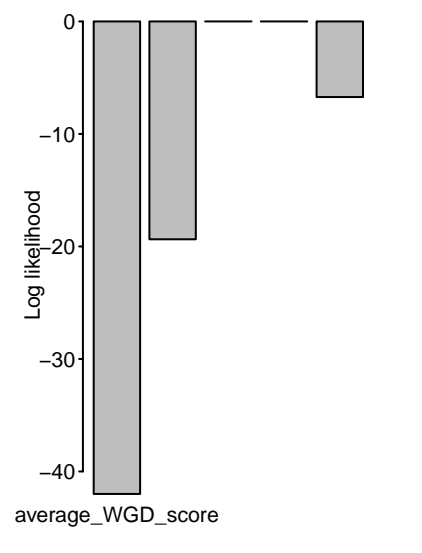
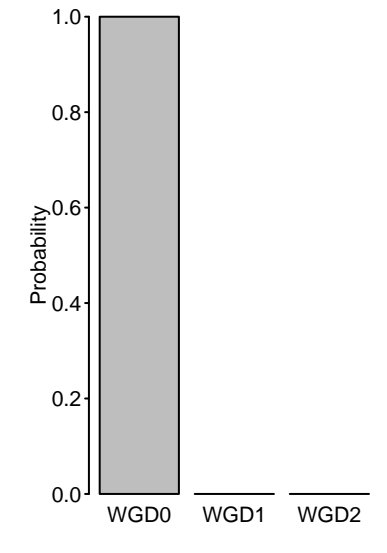
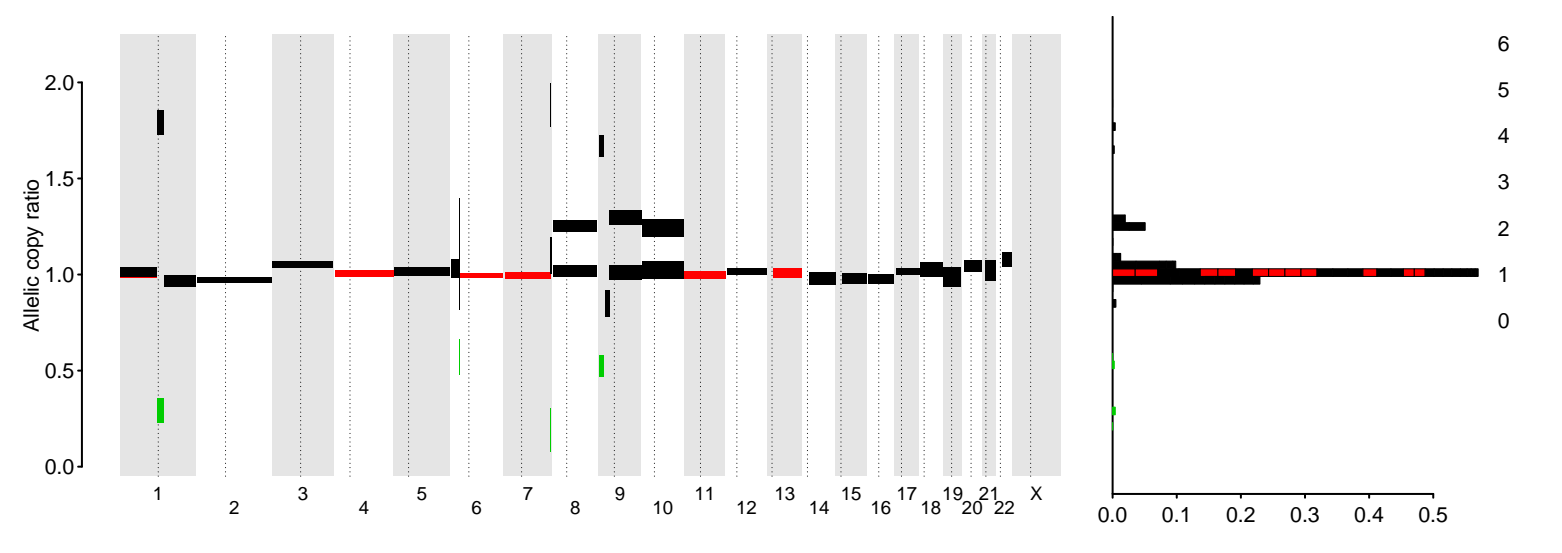
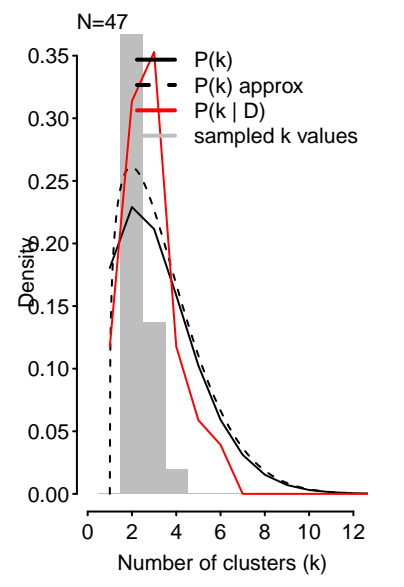
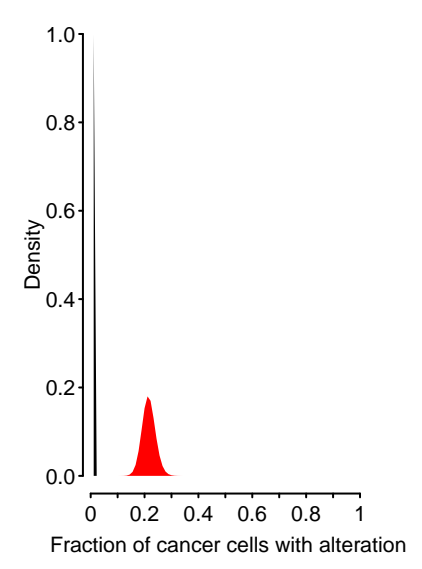
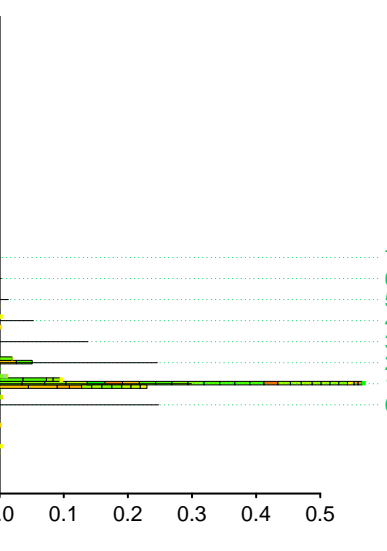
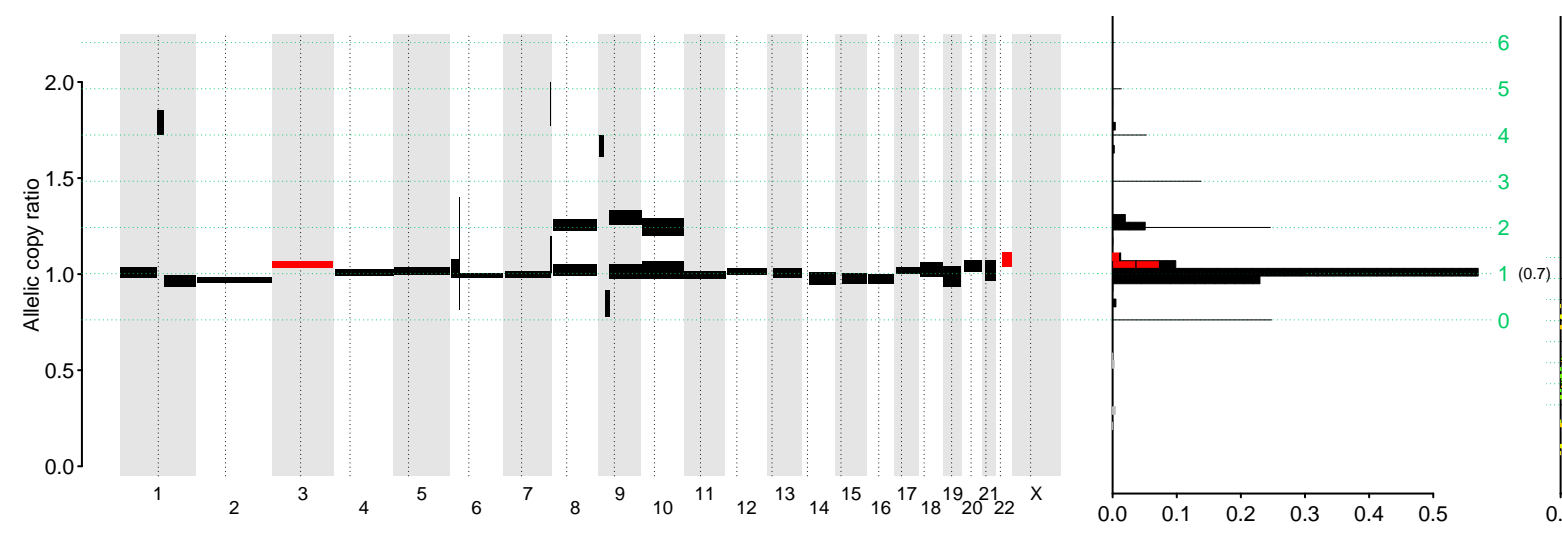
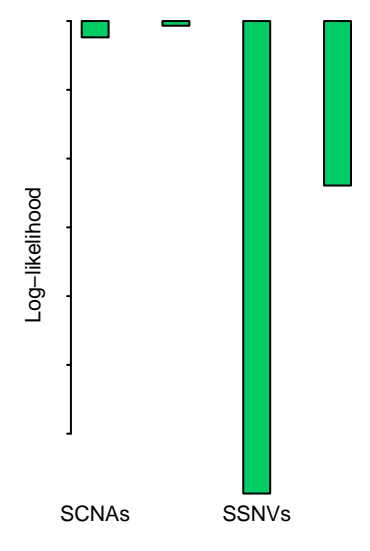
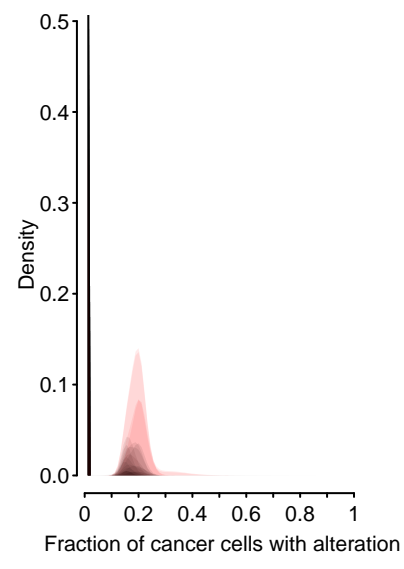
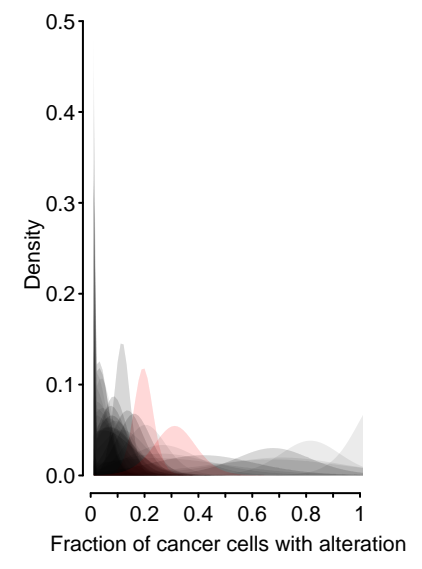
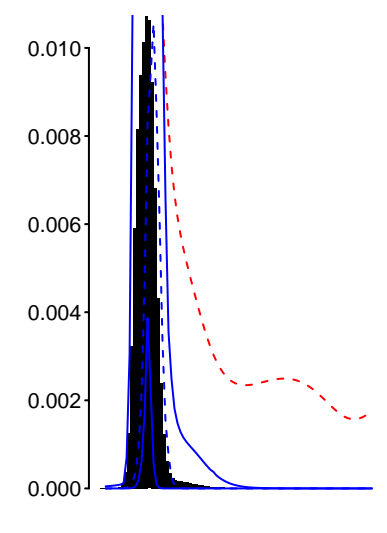
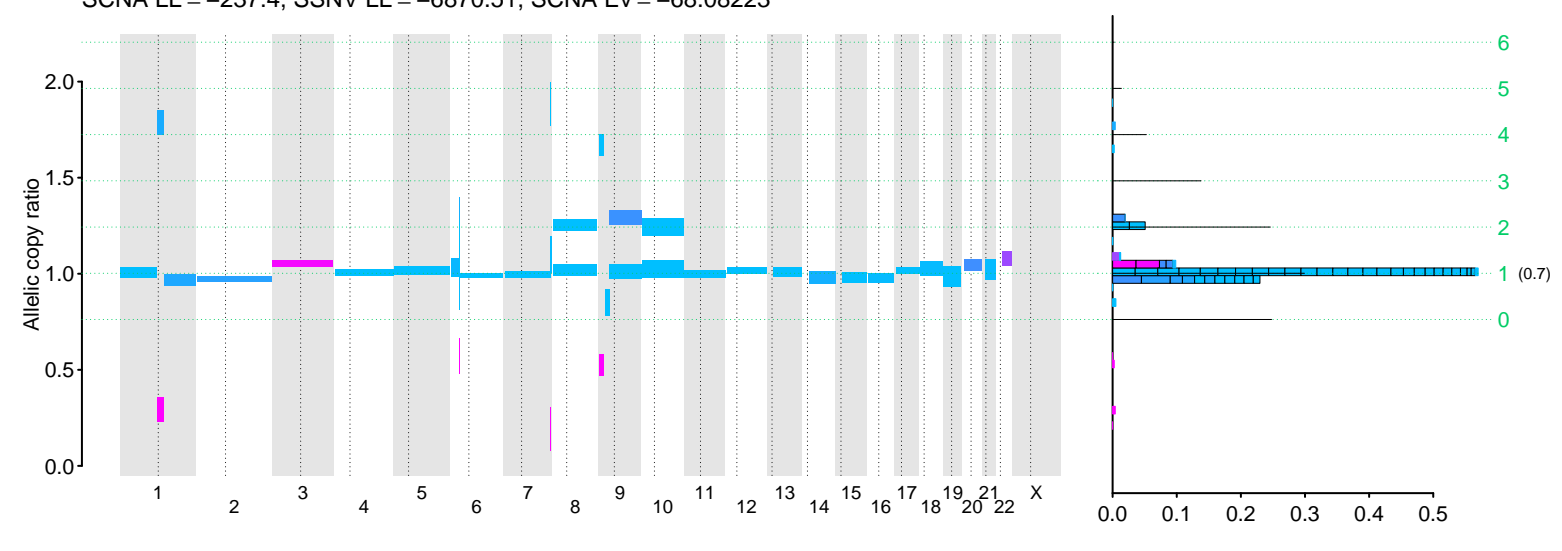
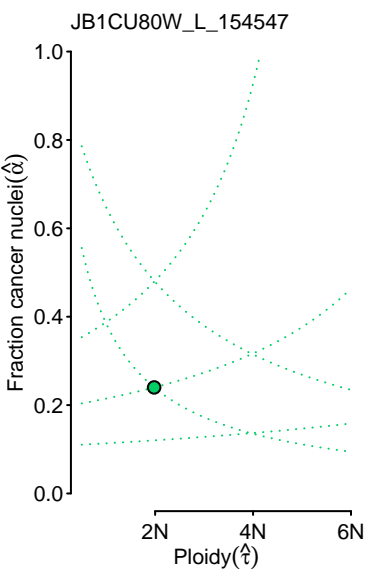
purity($\hat{\alpha}$) = 0.3, ploidy: $\hat{t} = 1.99$, $\hat{t}_g = 2.01$
 $\theta_z = 0$, $\theta_0 = 1.279$, WGD=0
 SCNA LL = -192.15, SSNV LL = -9622.84, SCNA Ev = -29.60161



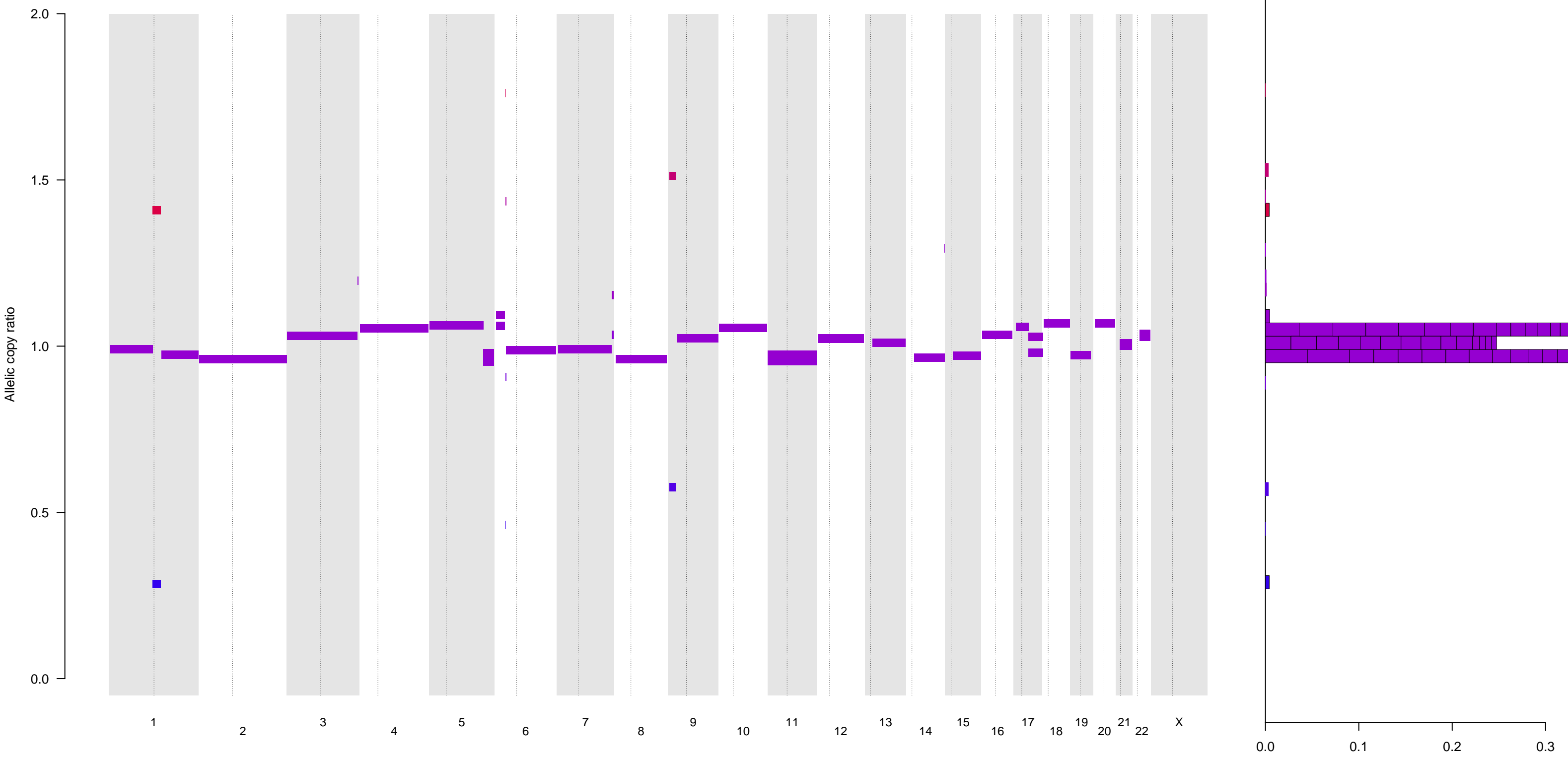
Sample 67



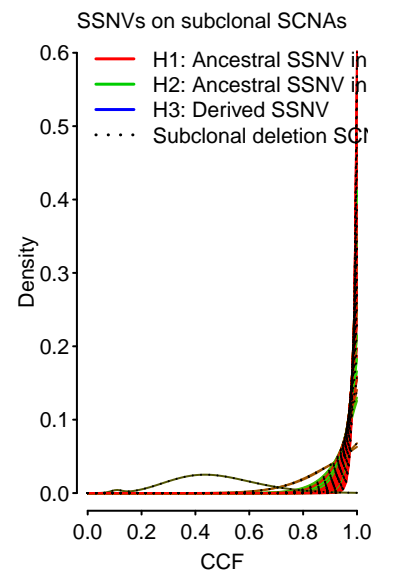
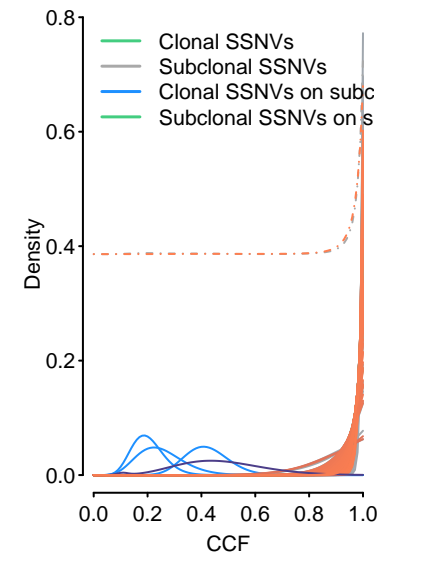
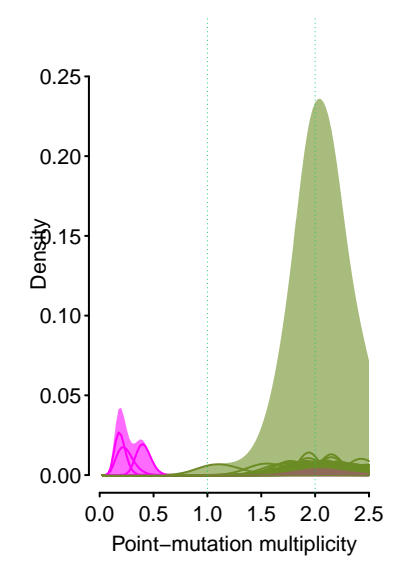
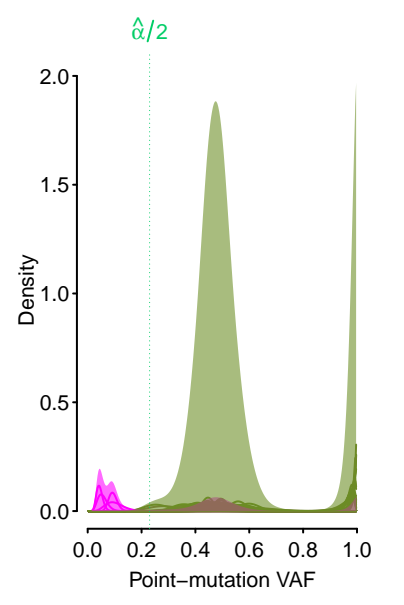
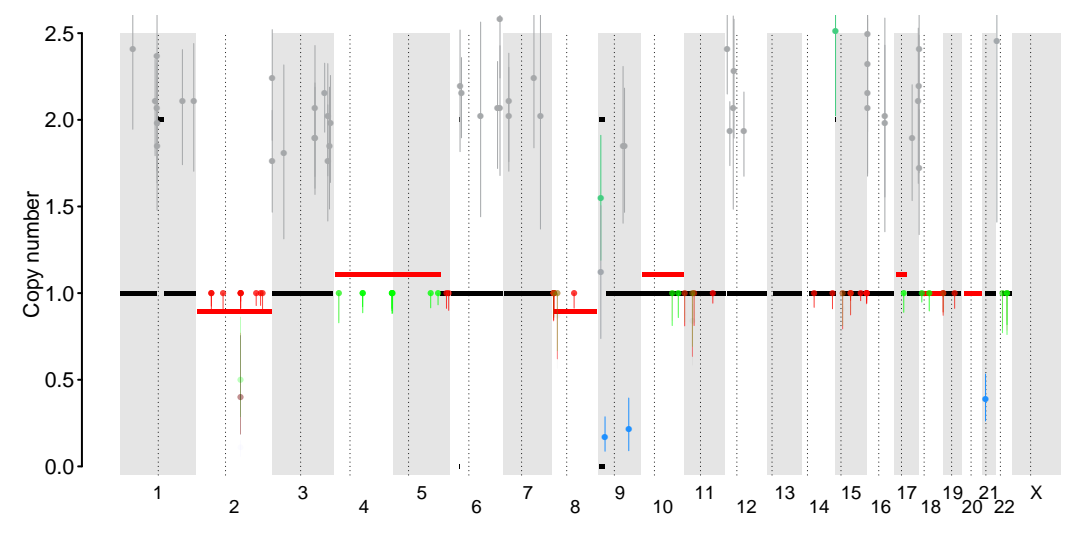
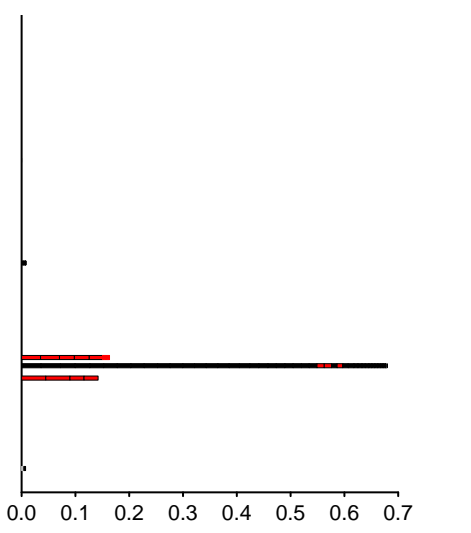
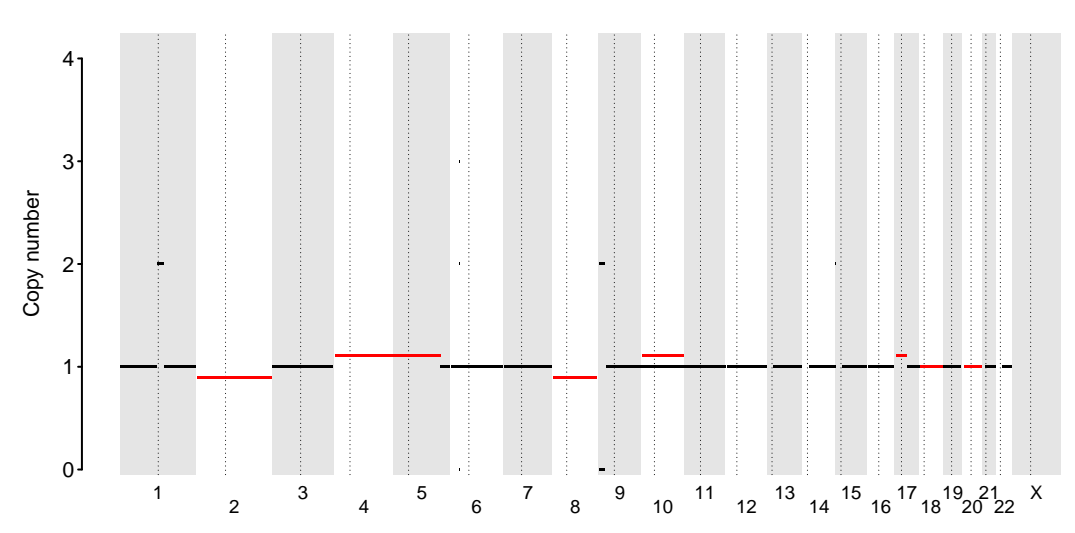
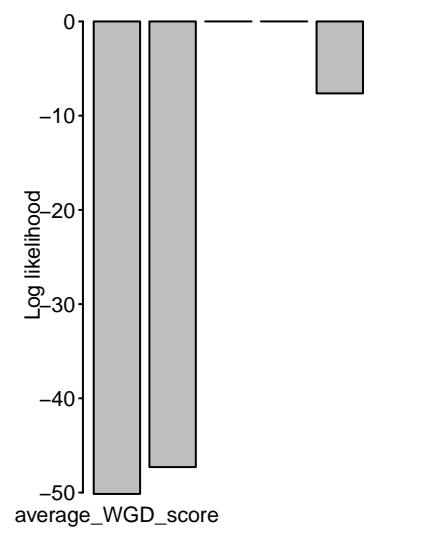
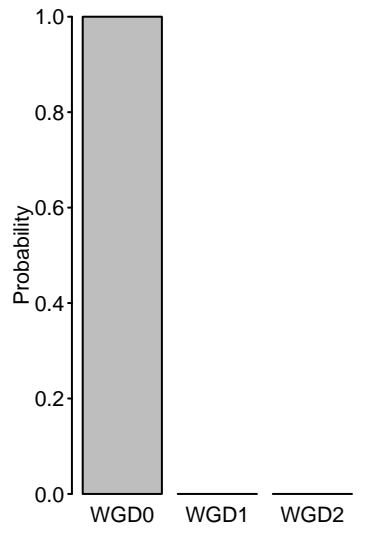
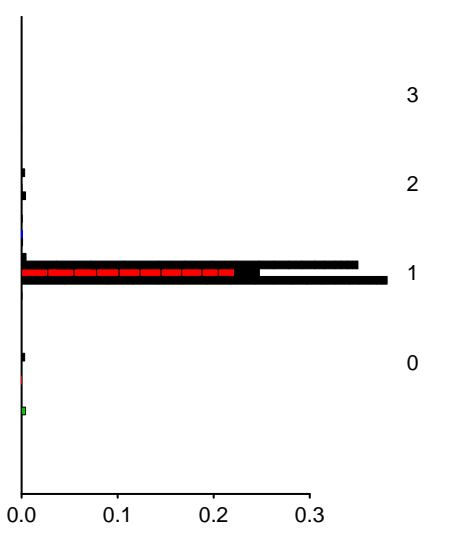
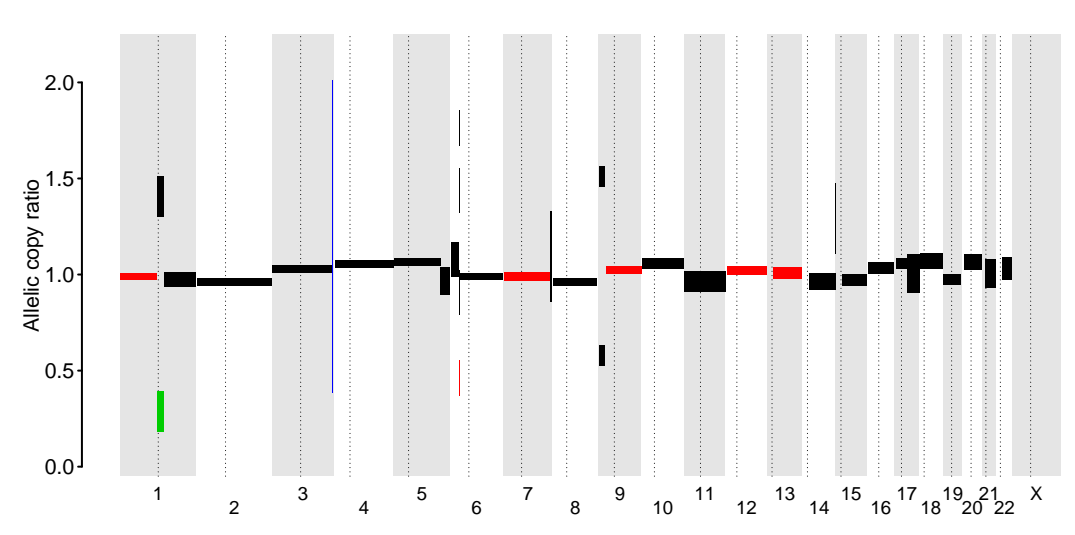
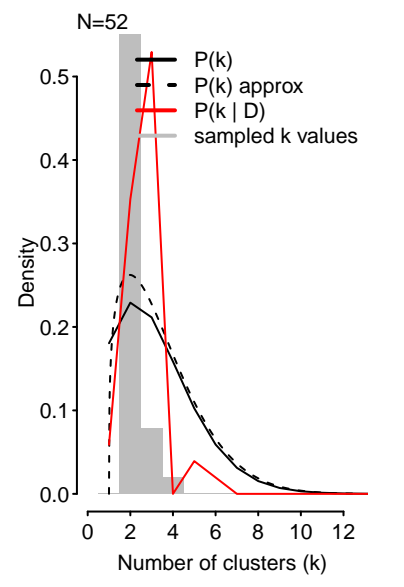
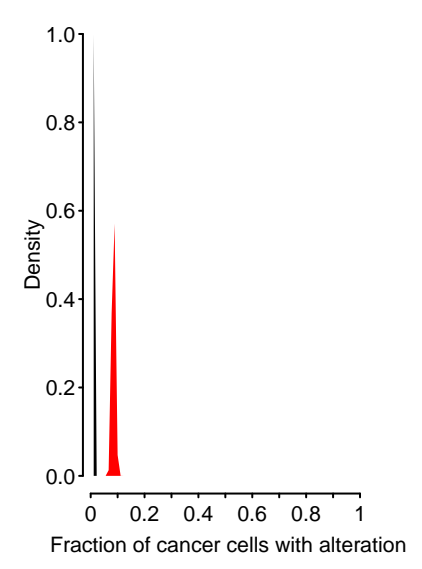
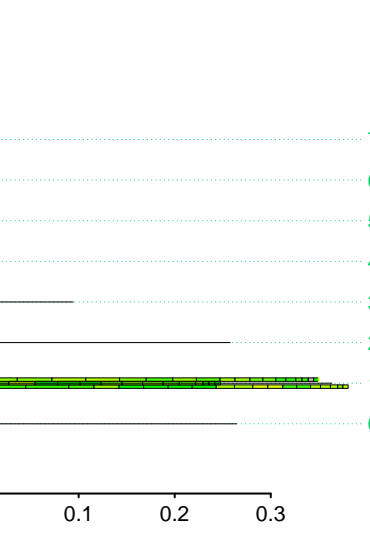
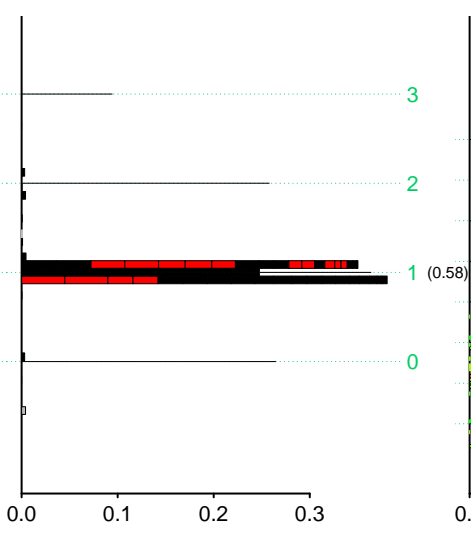
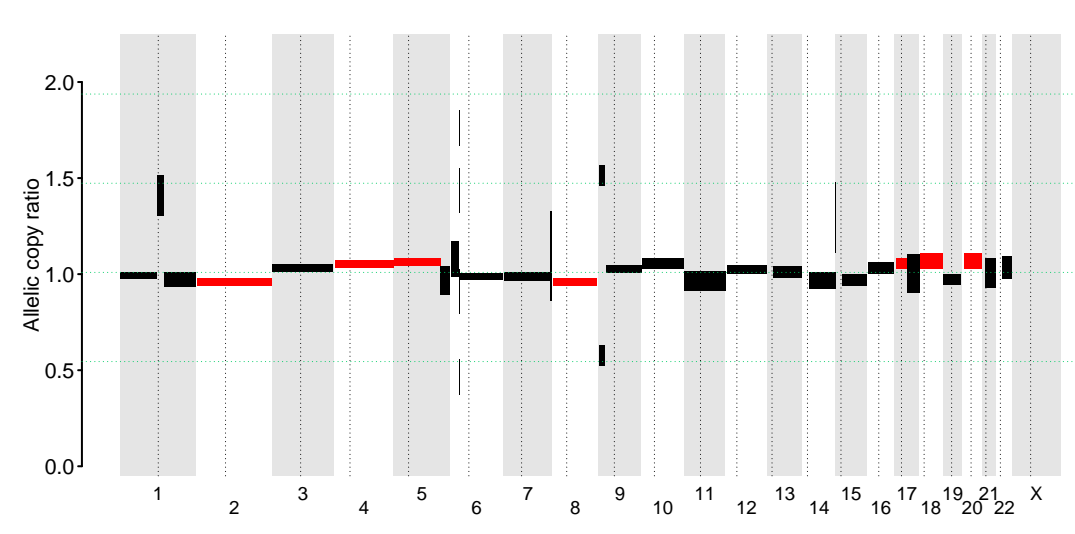
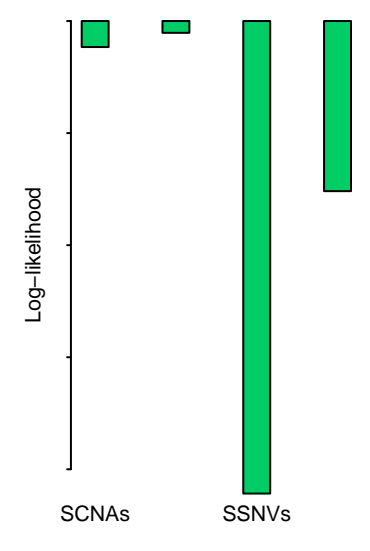
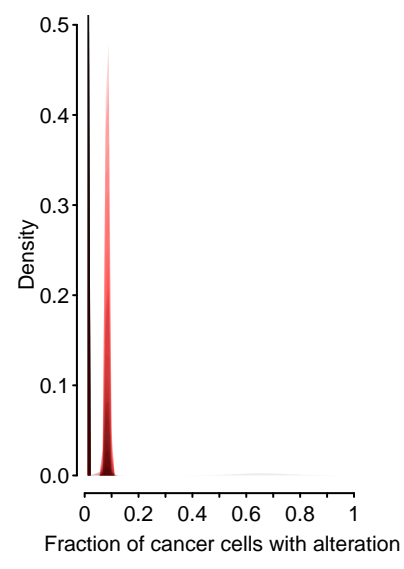
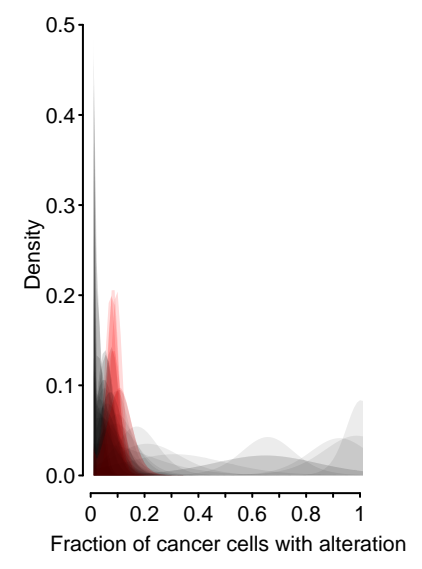
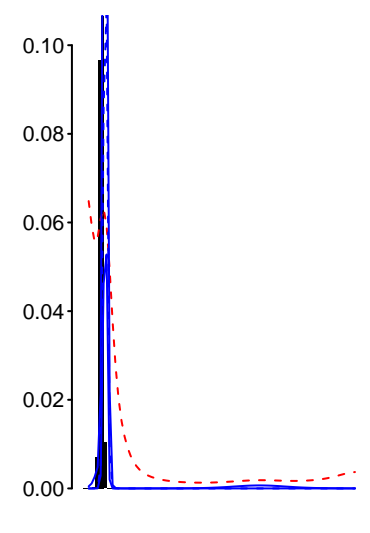
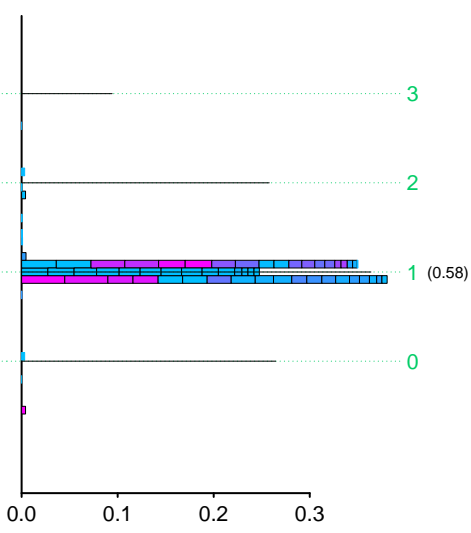
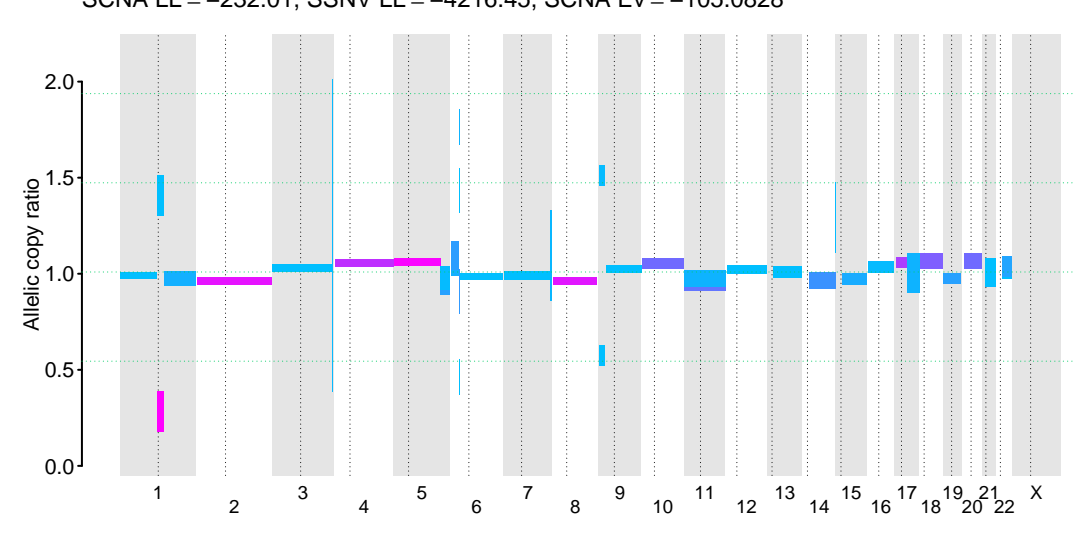
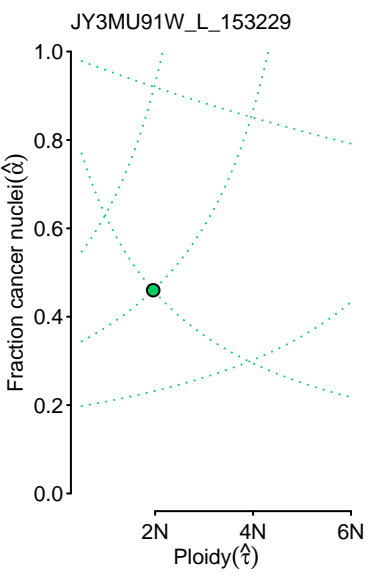
$\hat{\alpha} = 0.24$, ploidy: $\hat{\tau} = 1.98$, $\hat{\tau}_g = 2.16$
 $\hat{\theta}_z = 0.12$, $\hat{\theta}_Q = 1.615$, WGD=0
 SCNA LL = -237.4, SSNV LL = -6870.51, SCNA Ev = -68.08223



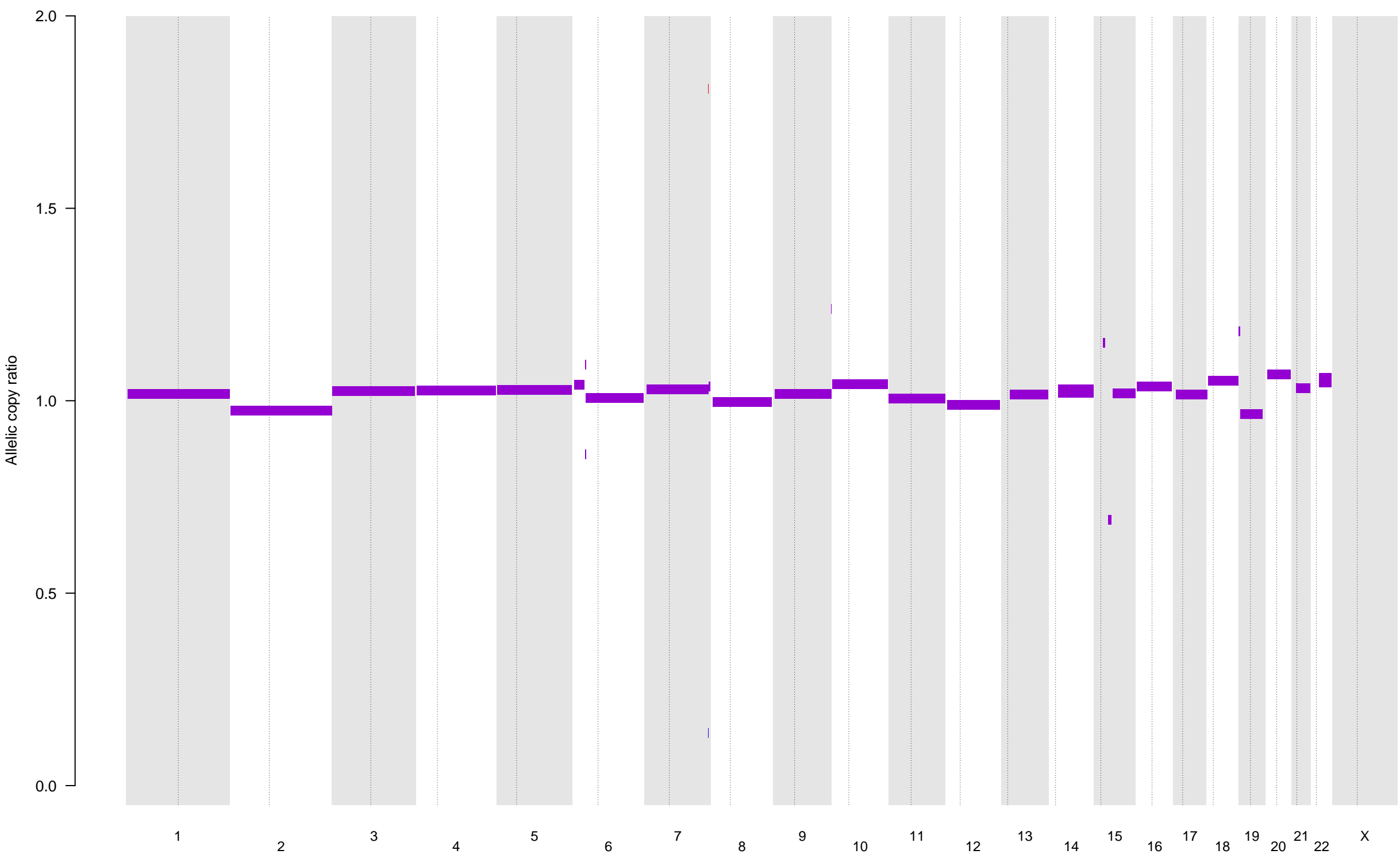
Sample 68



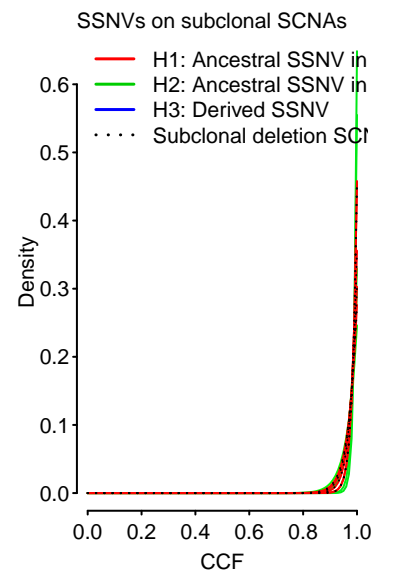
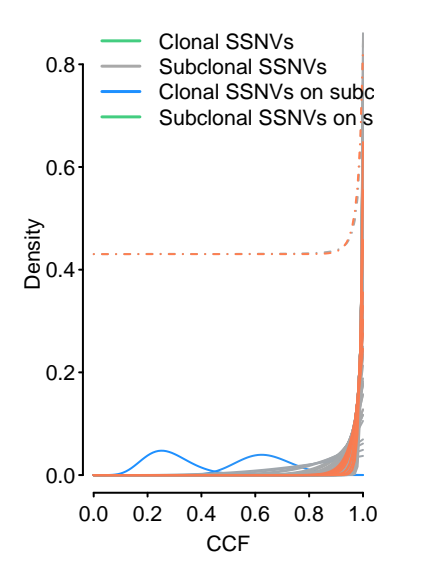
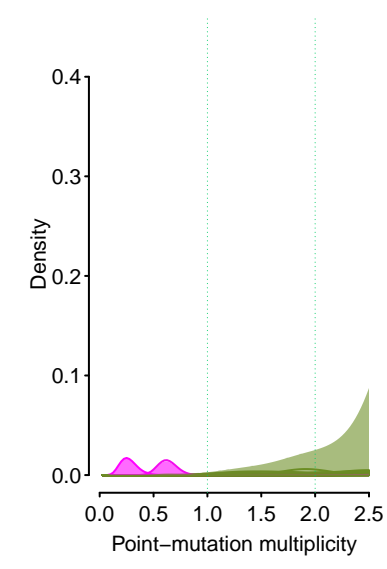
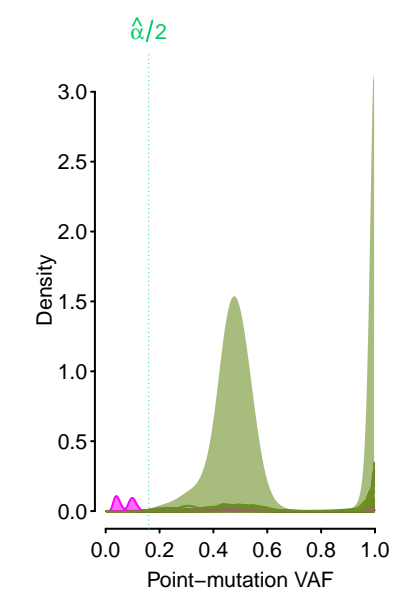
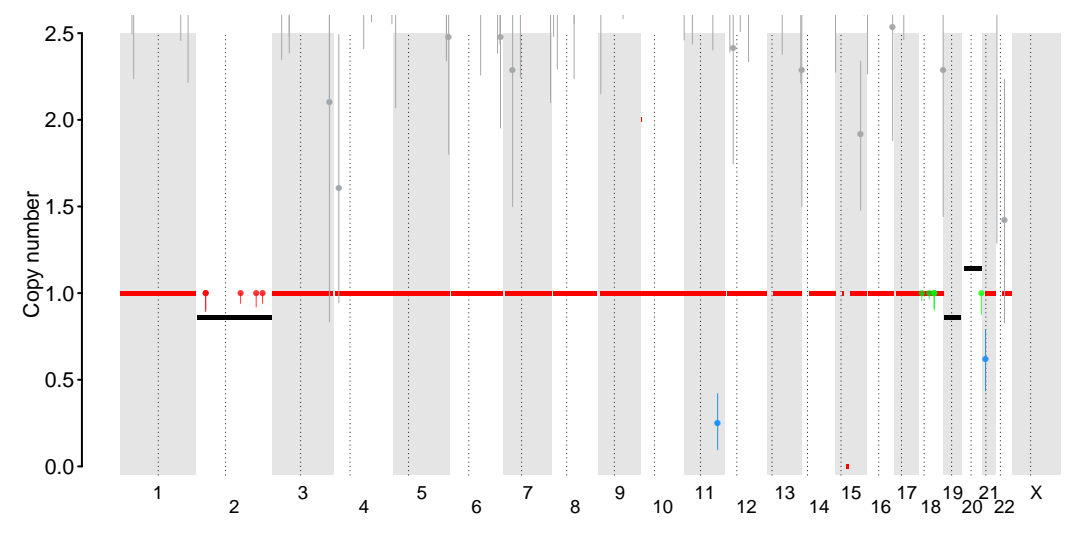
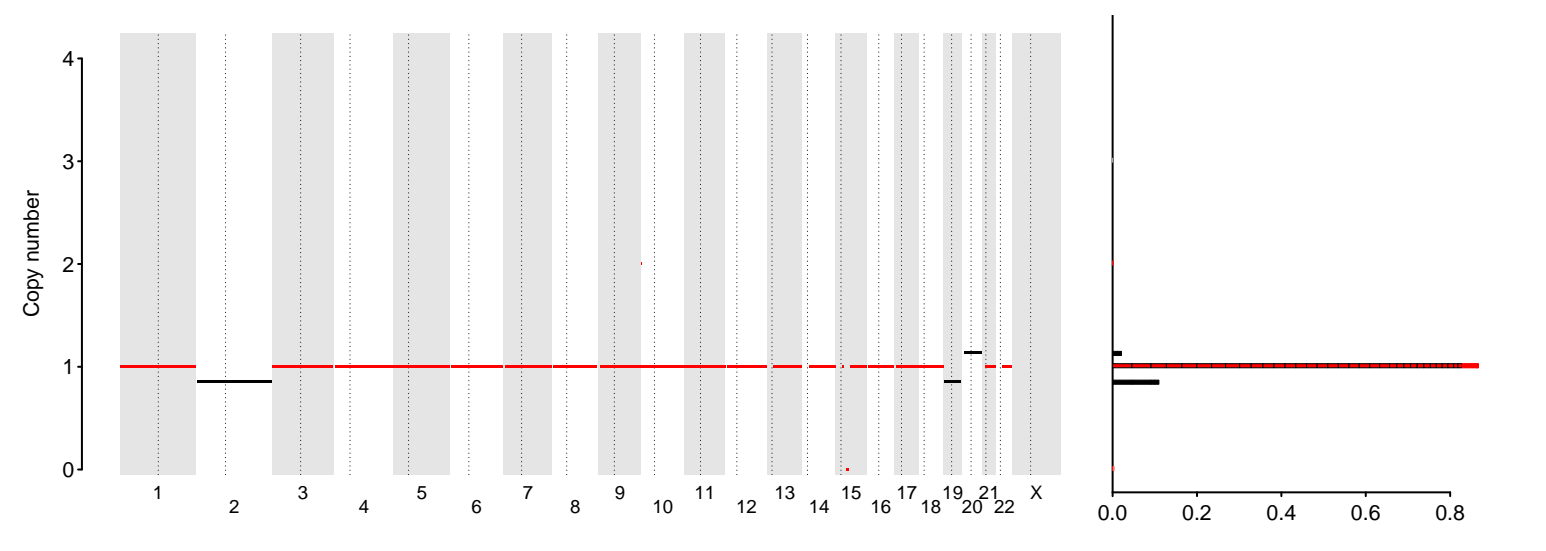
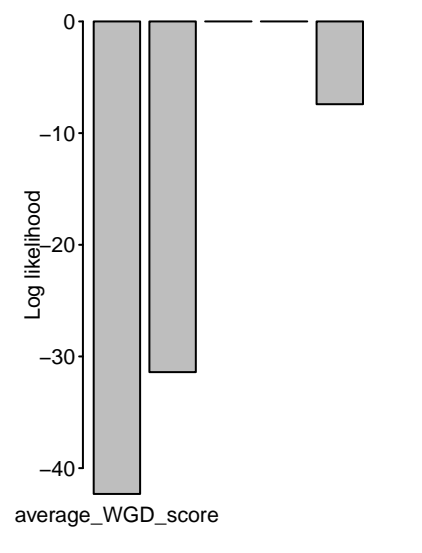
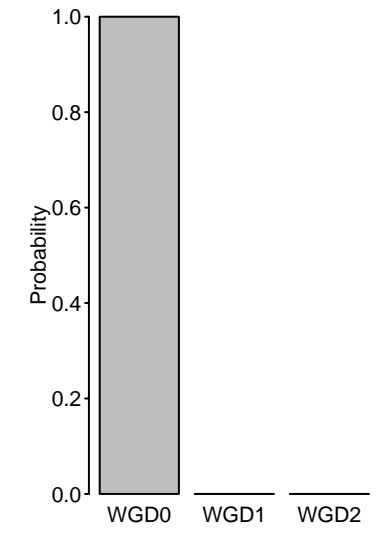
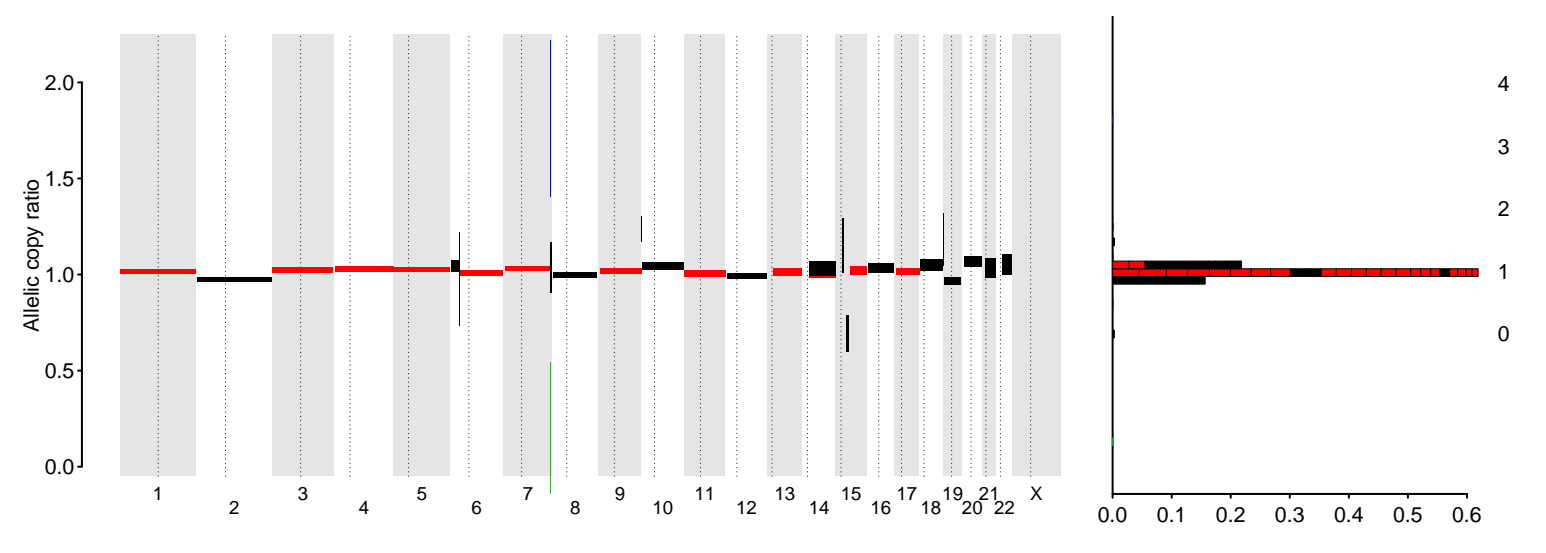
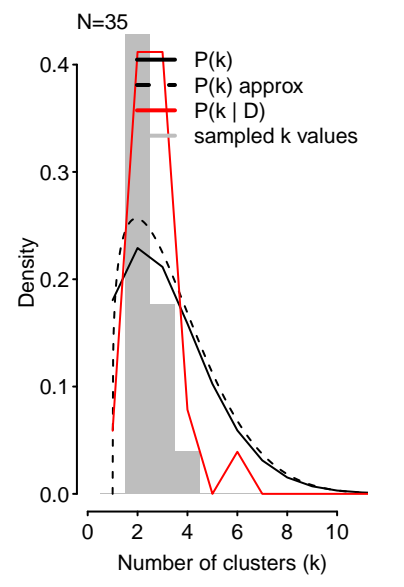
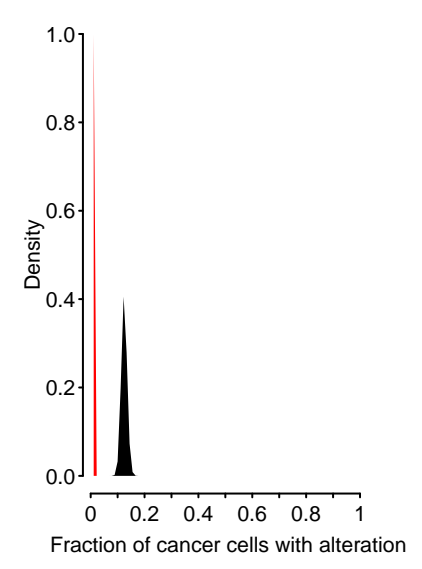
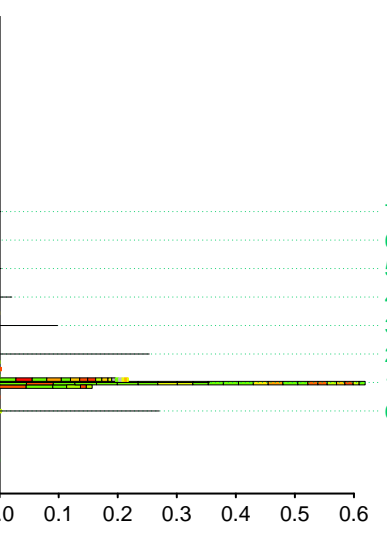
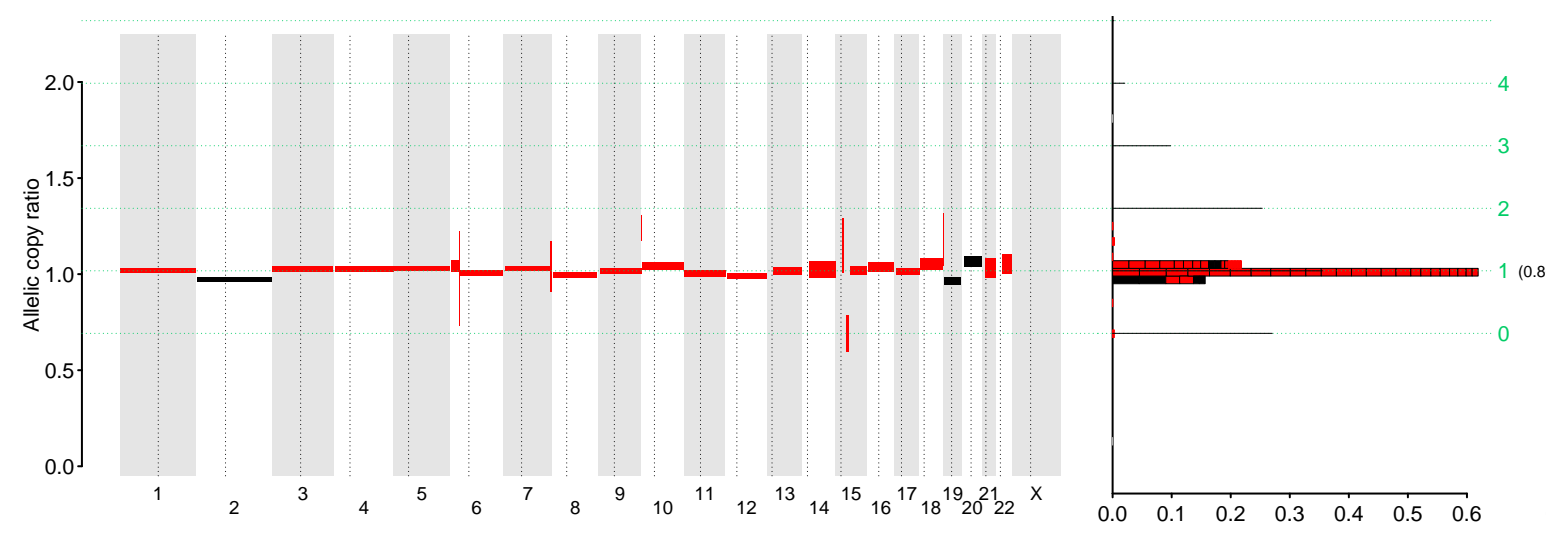
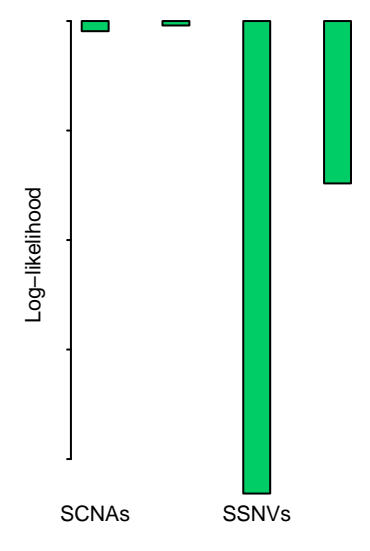
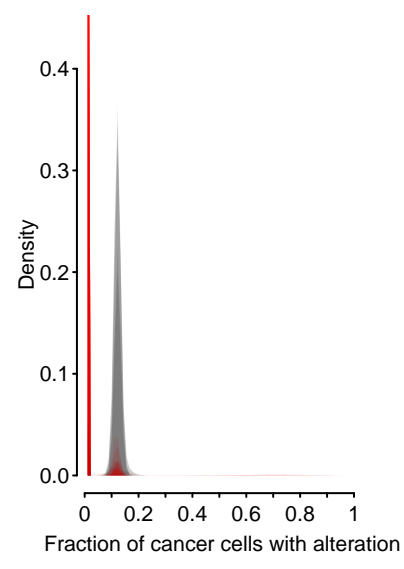
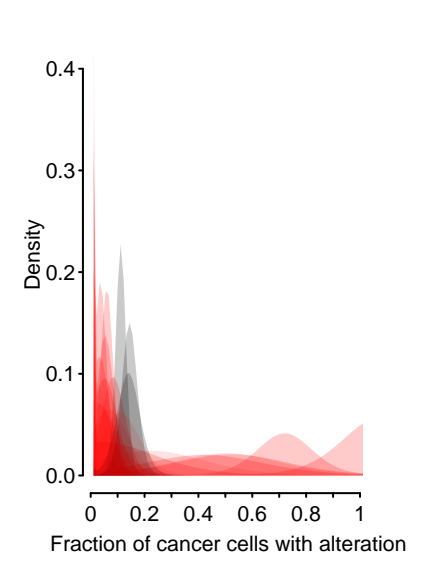
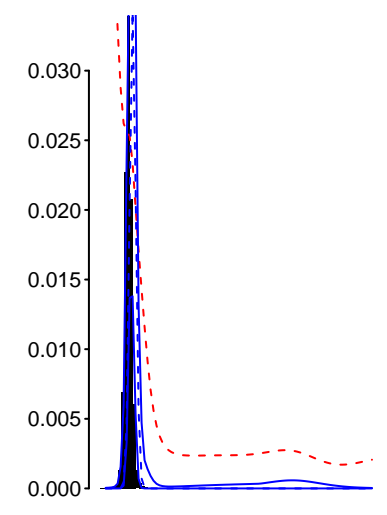
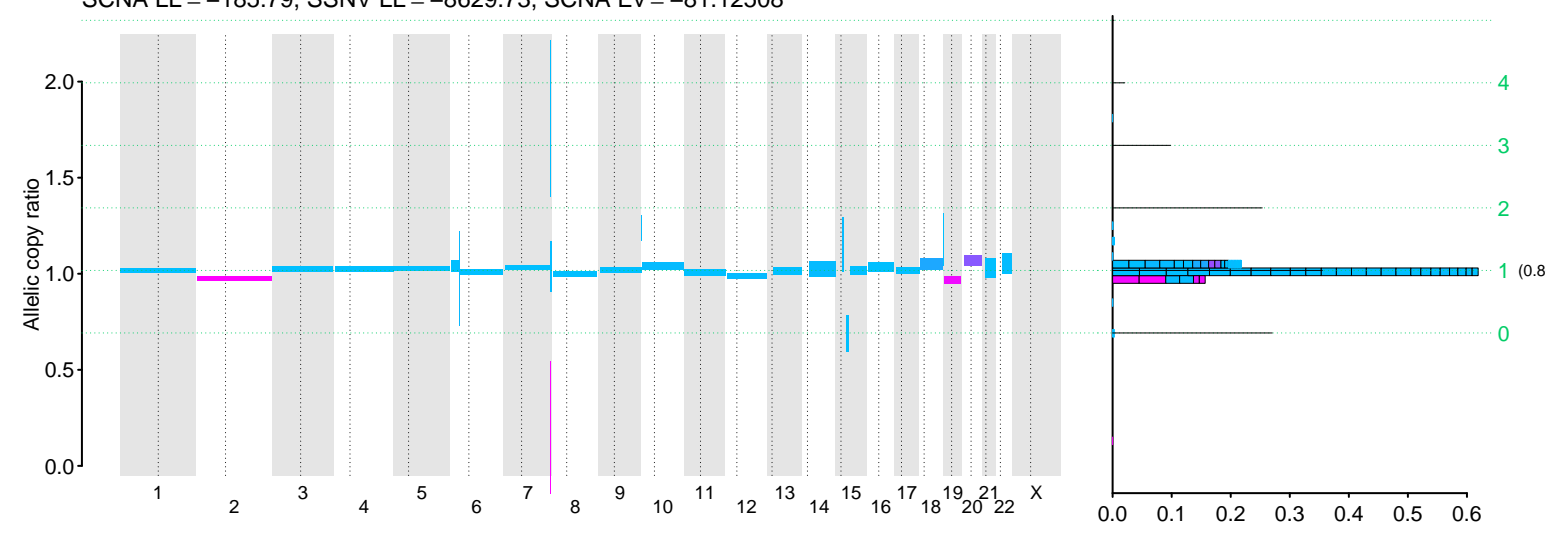
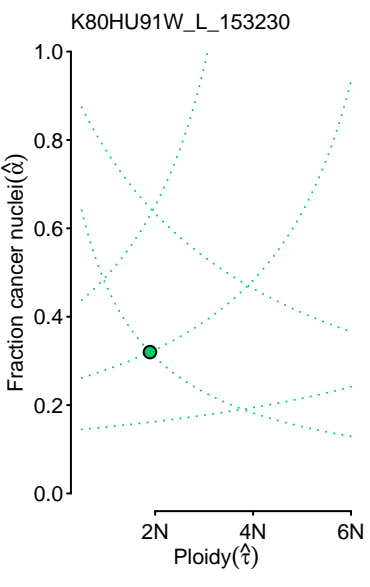
$\hat{\alpha} = 0.46$, purity: $\hat{\alpha} = 1.96$, $\hat{\alpha}_g = 2$
 $\theta_z = 0.33$, $\theta_G = 1.229$, WGD=0
 SCNA LL = -232.01, SSNV LL = -4216.45, SCNA Ev = -105.0828



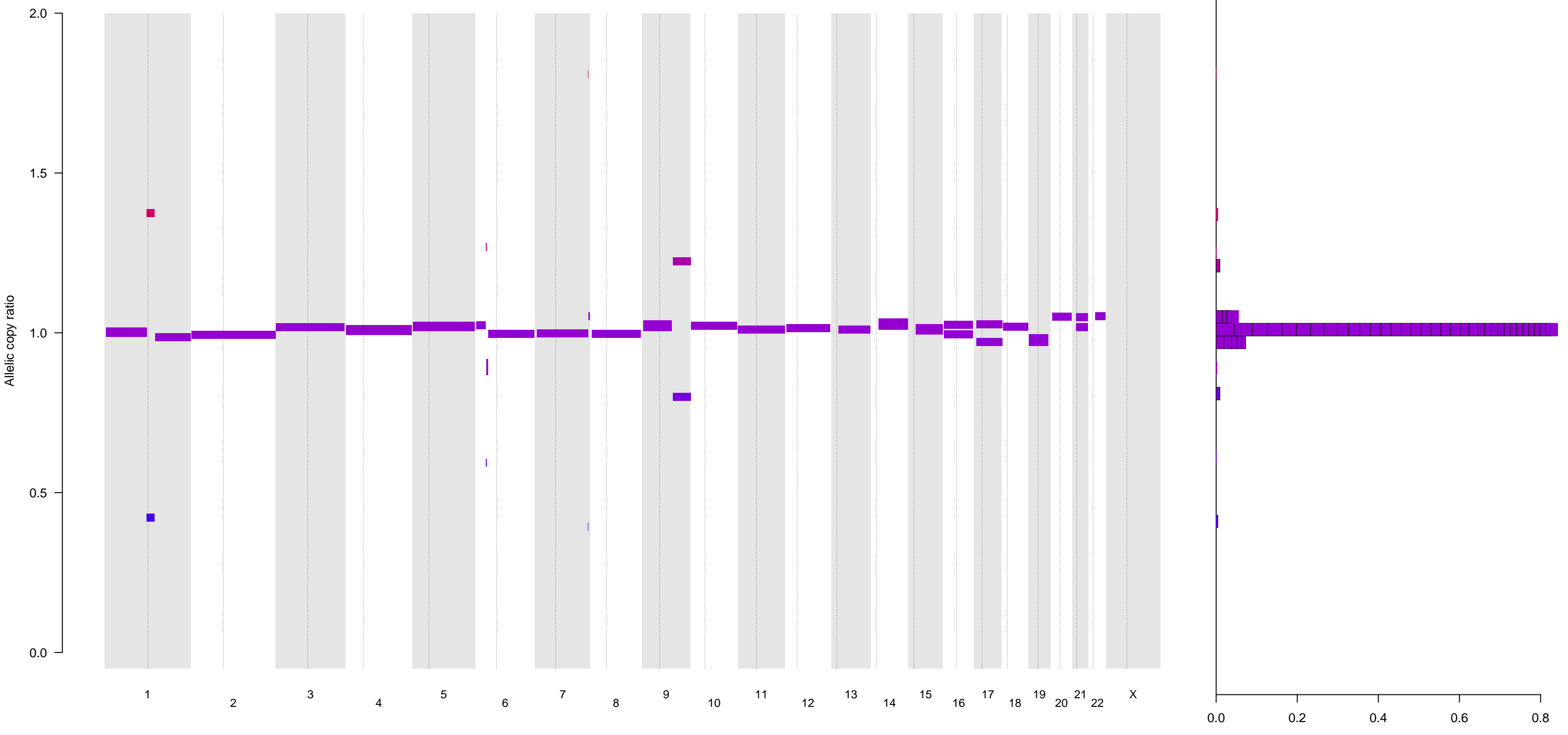
Sample 69

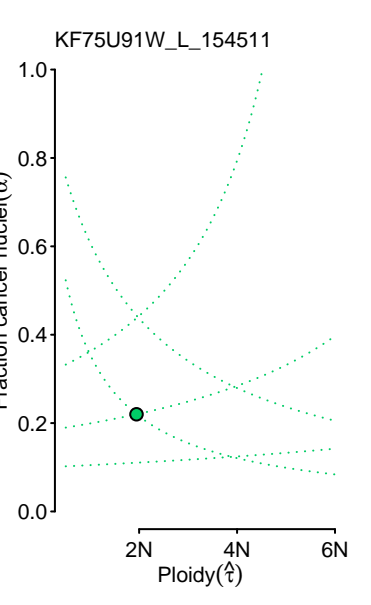


$\text{purity}(\hat{\alpha}) = 0.32$, ploidy: $\hat{t} = 1.89$, $\hat{t}_g = 2$
 $\theta_z = 0.12$, $\theta_{\alpha} = 1.279$, WGD=0
 SCNA LL = -185.79, SSNV LL = -8629.73, SCNA Ev = -81.12508

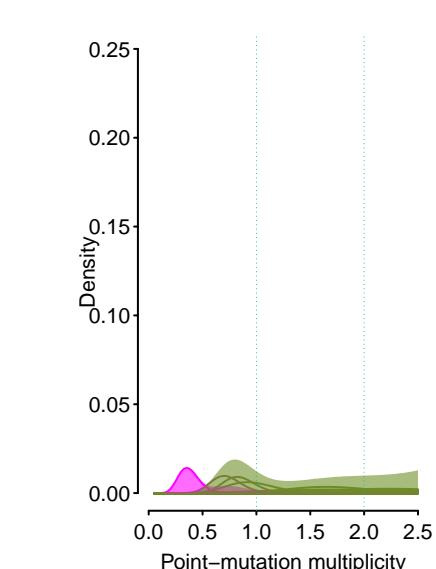
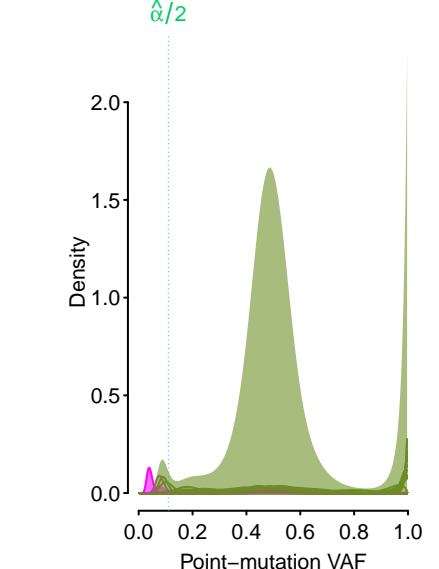
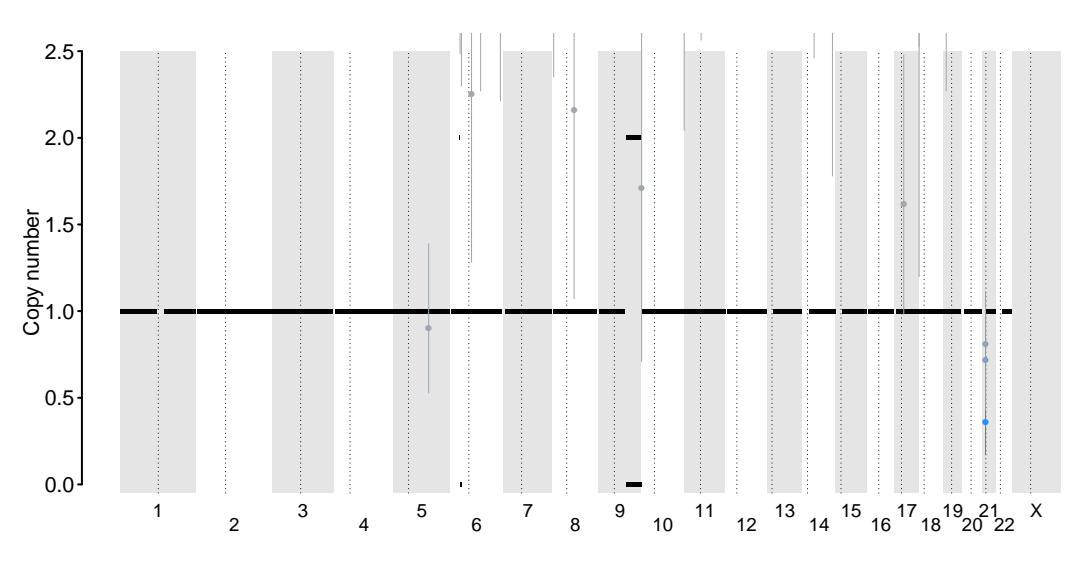
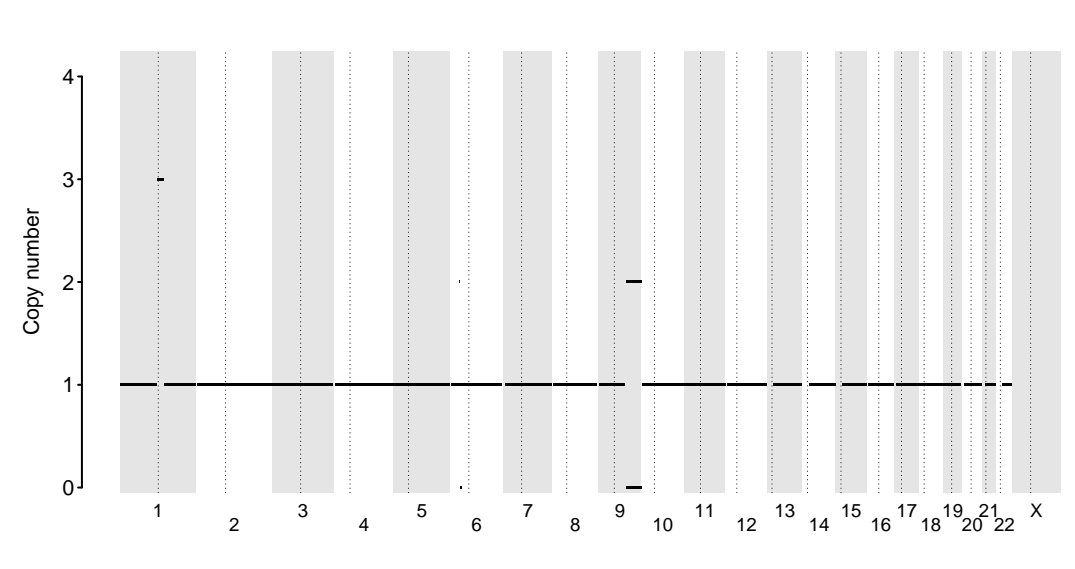
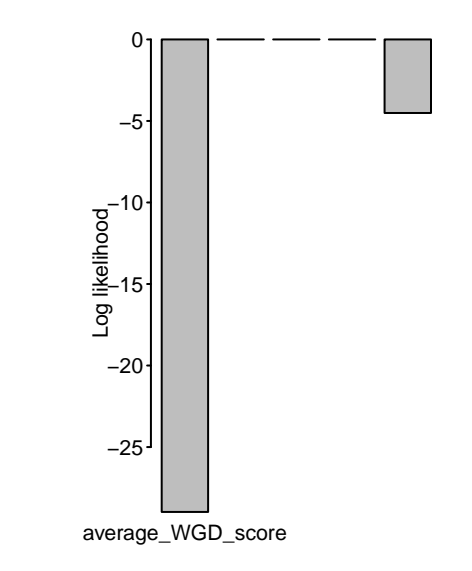
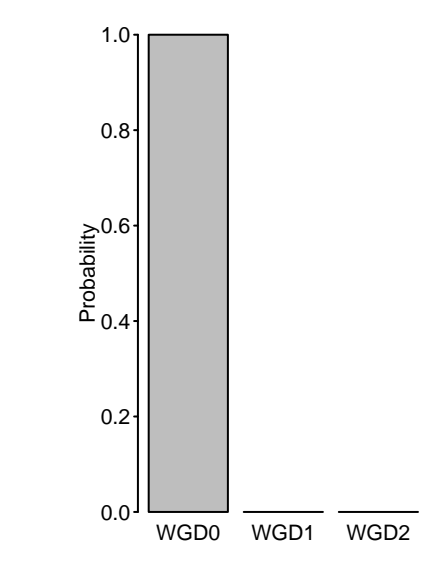
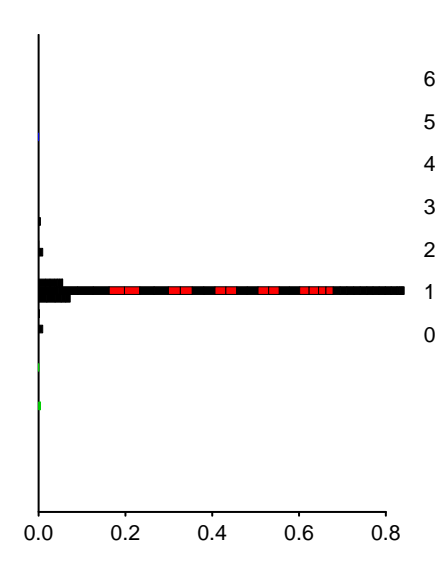
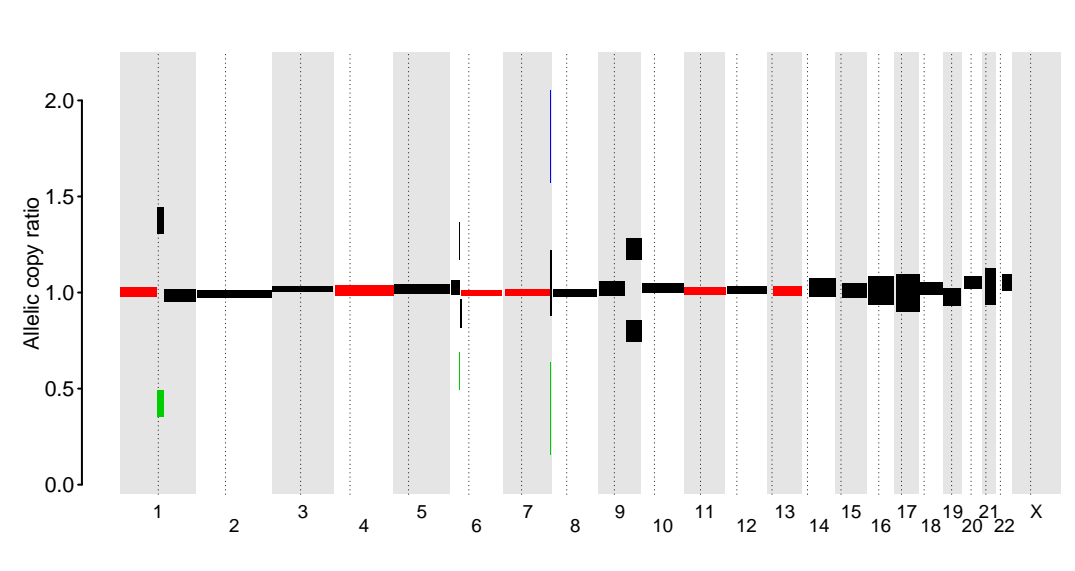
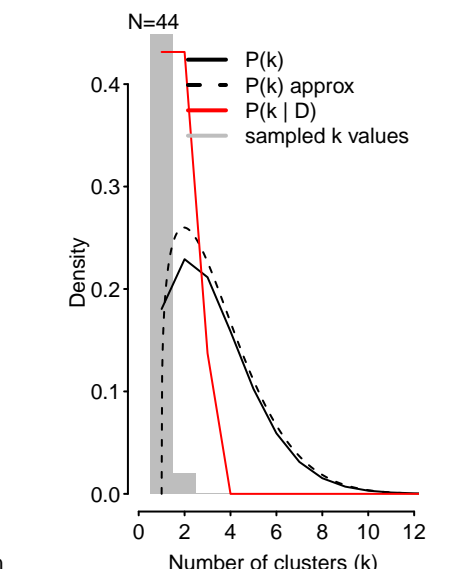
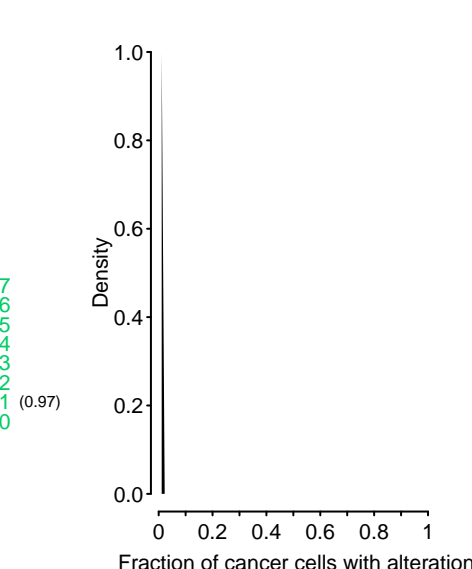
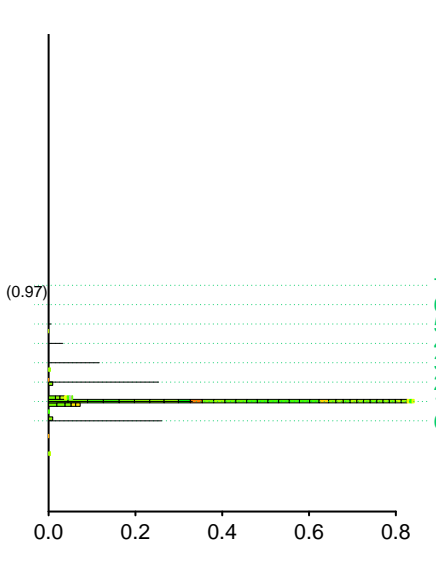
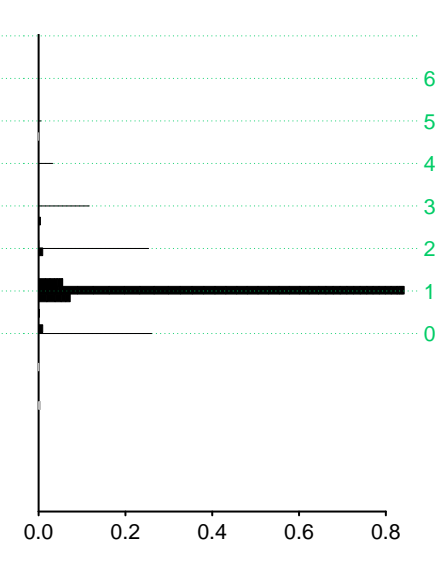
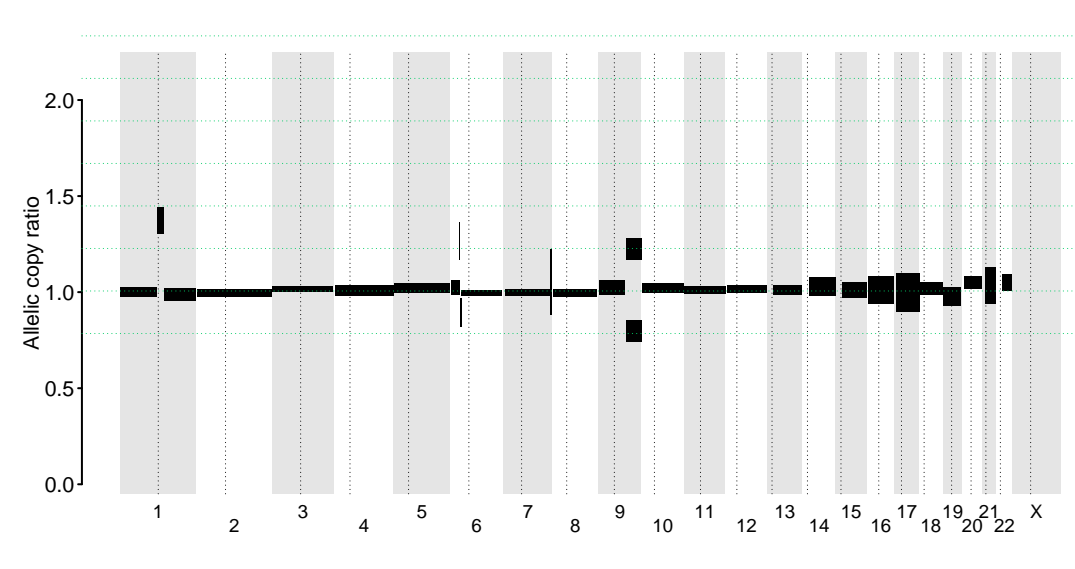
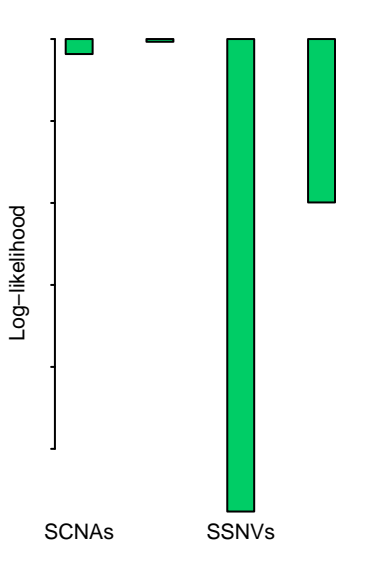
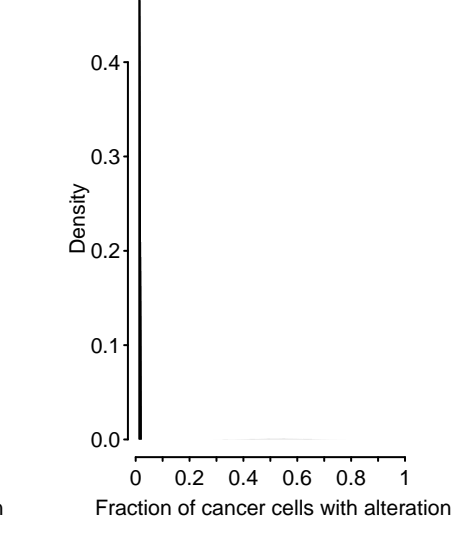
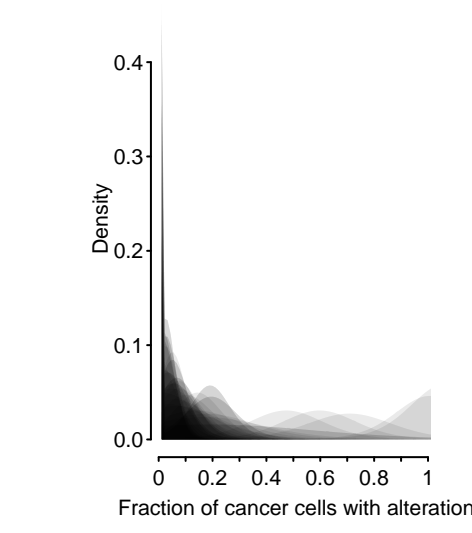
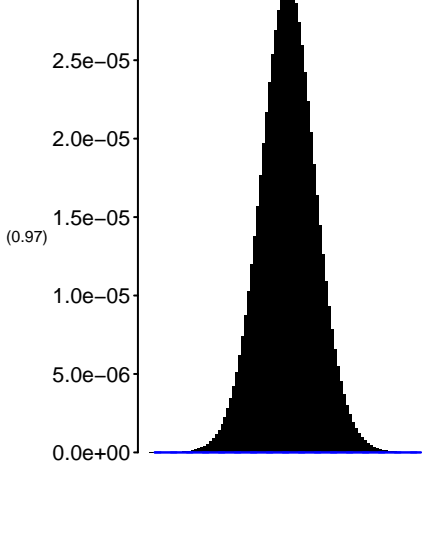
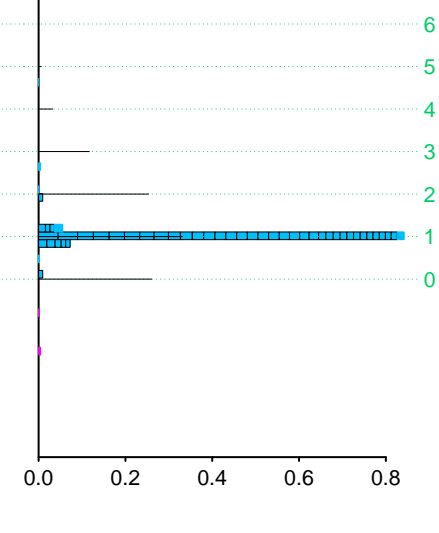
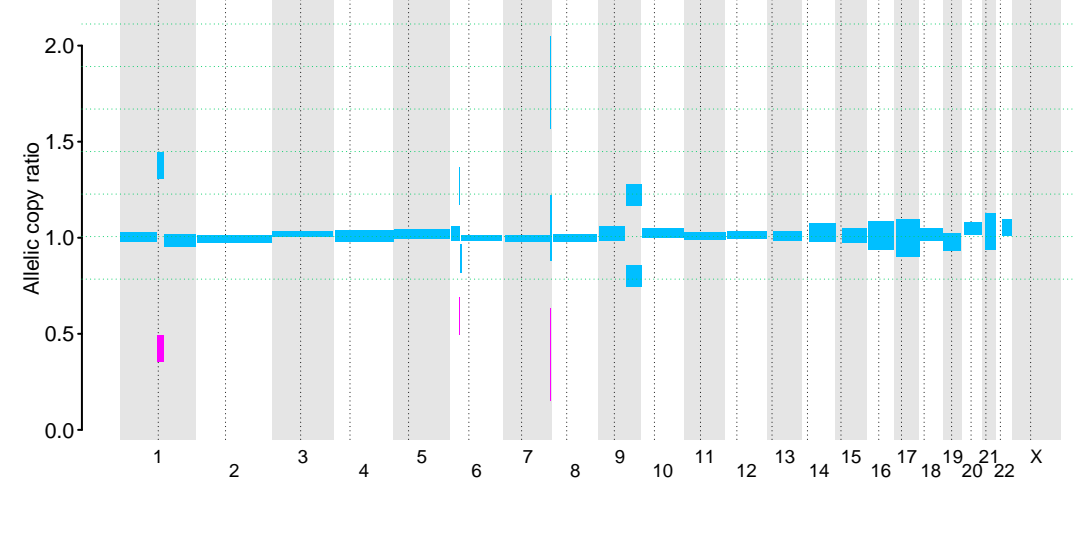


Sample 71

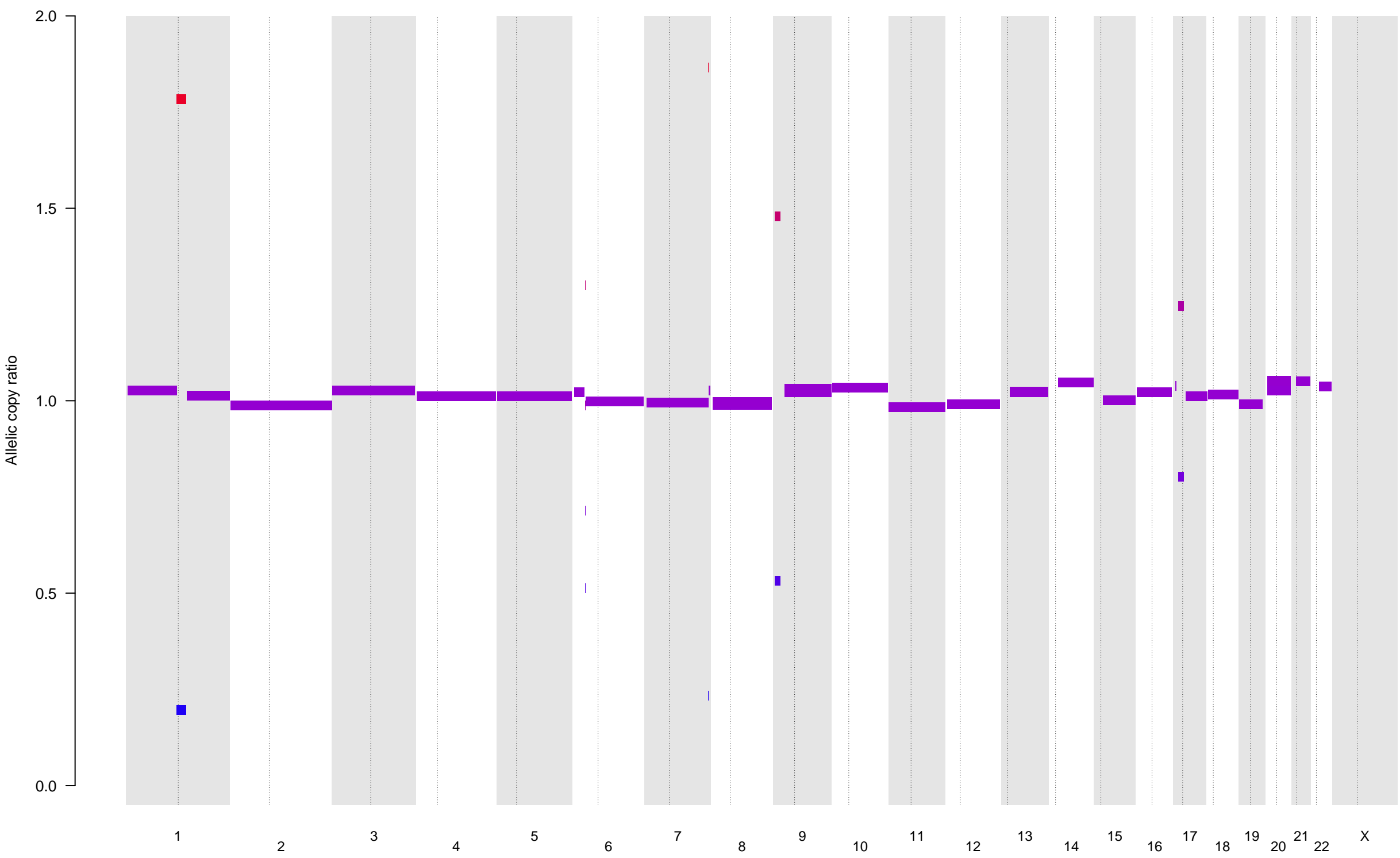




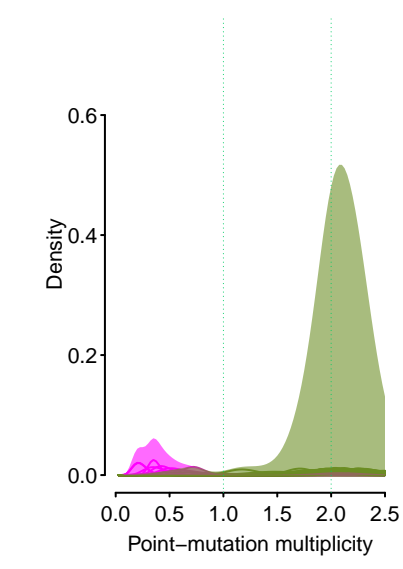
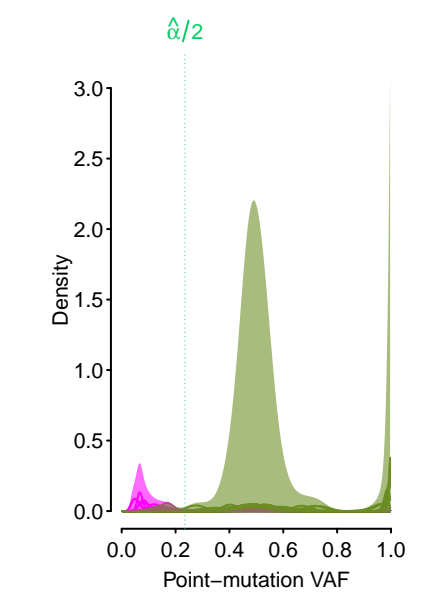
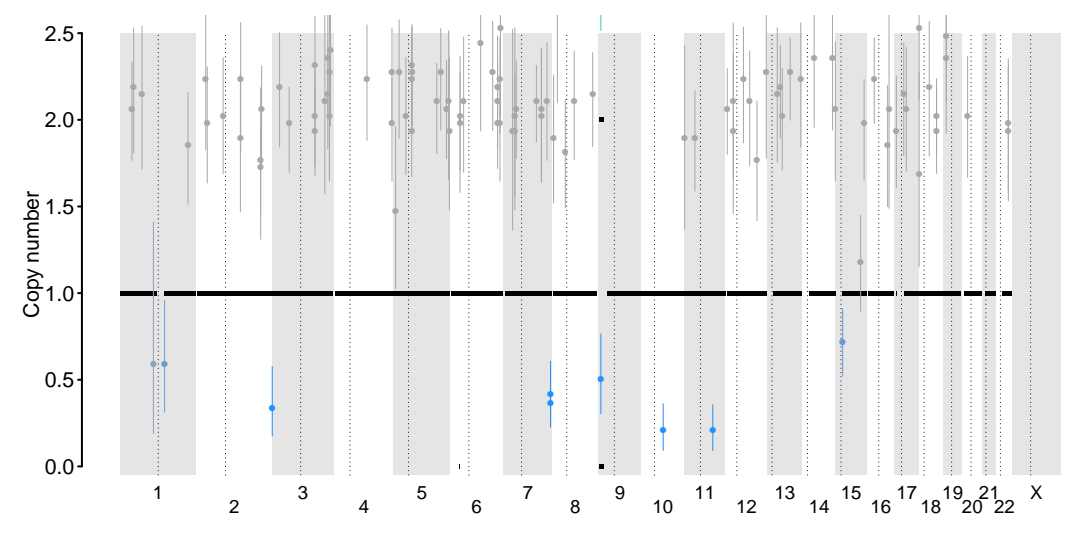
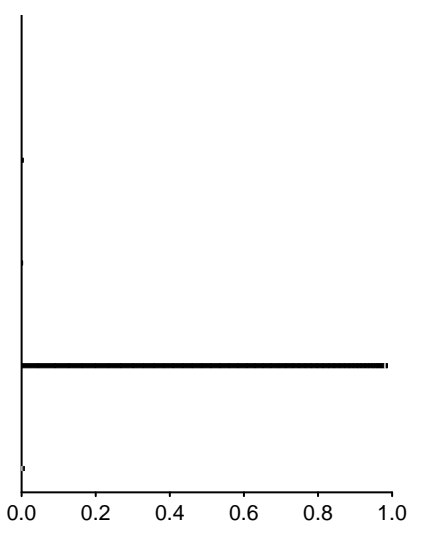
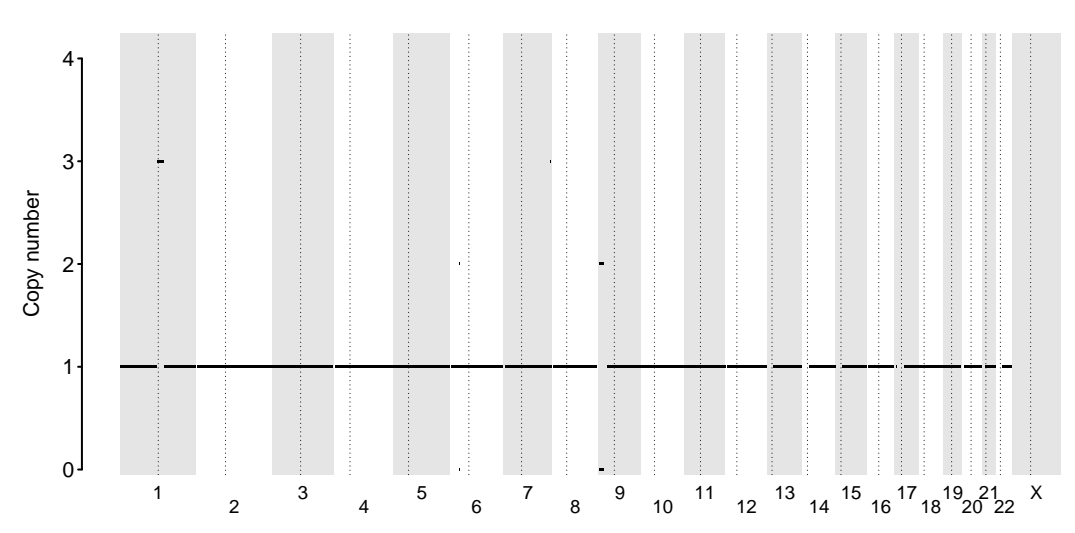
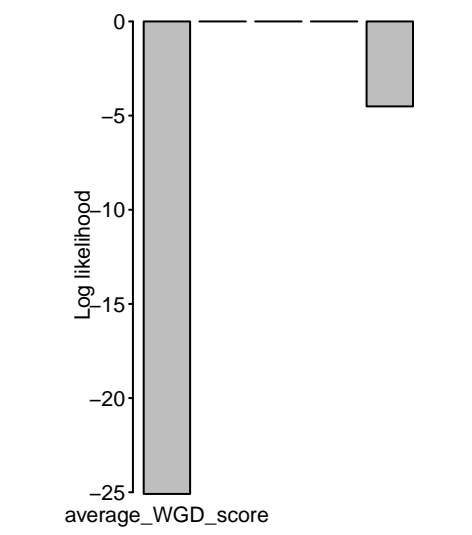
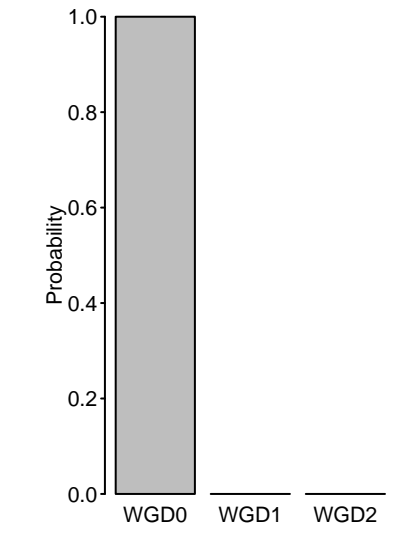
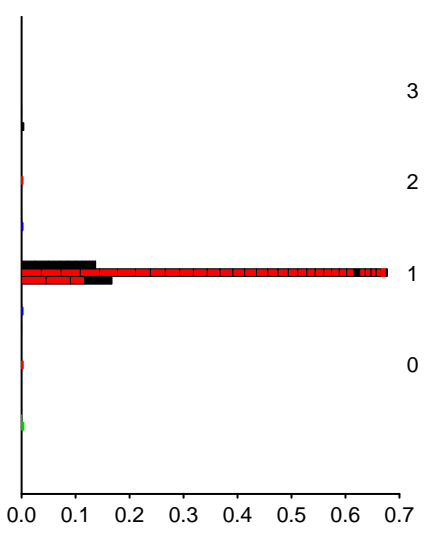
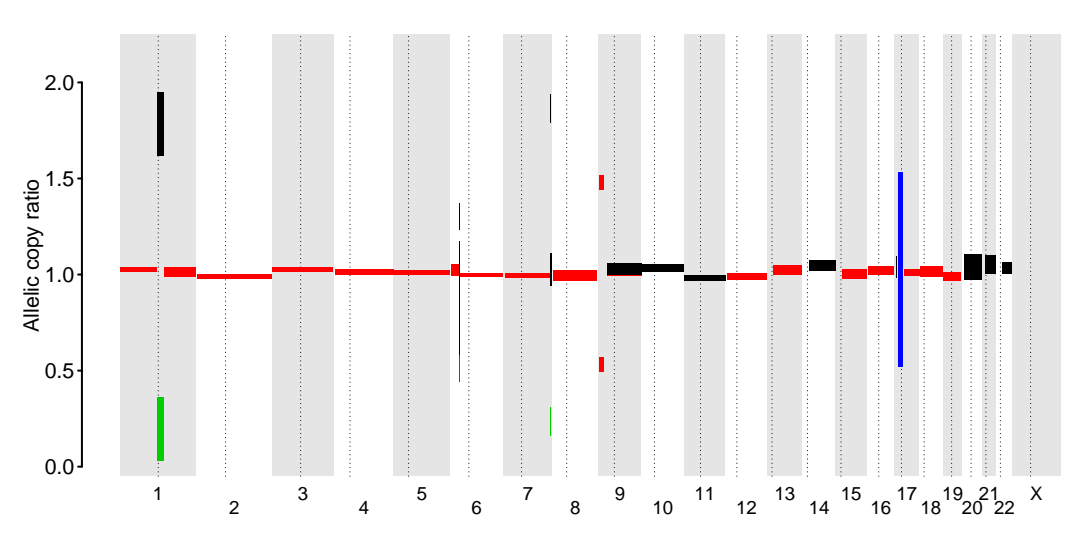
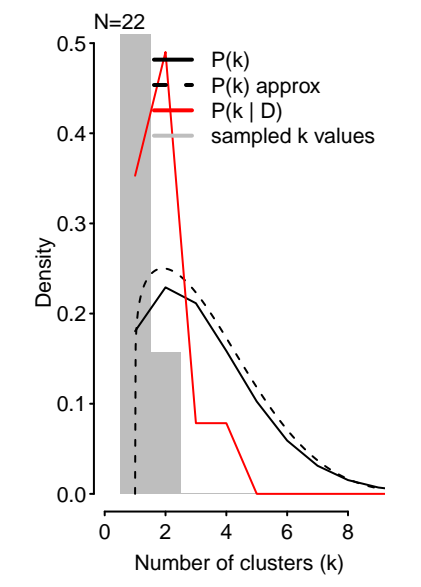
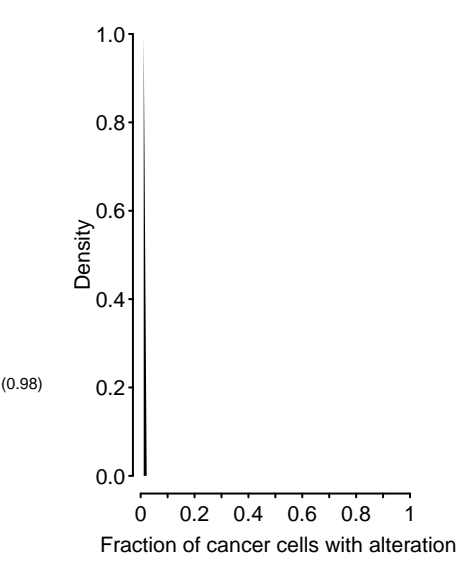
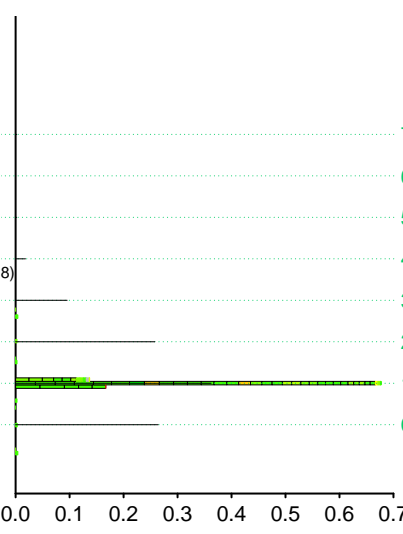
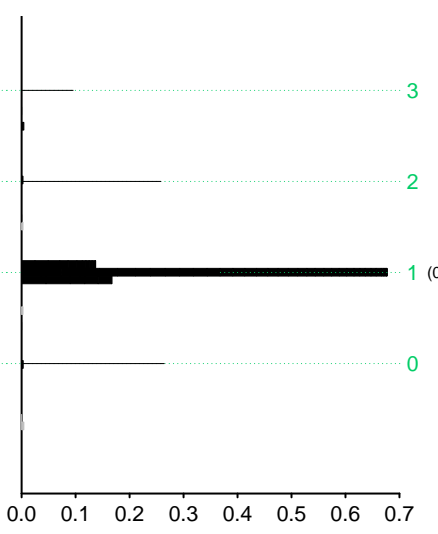
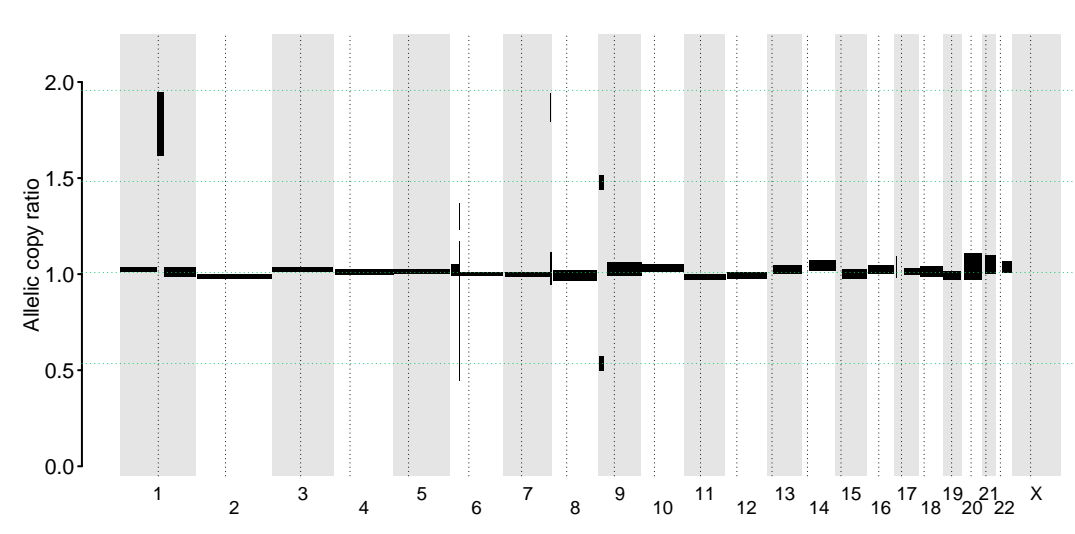
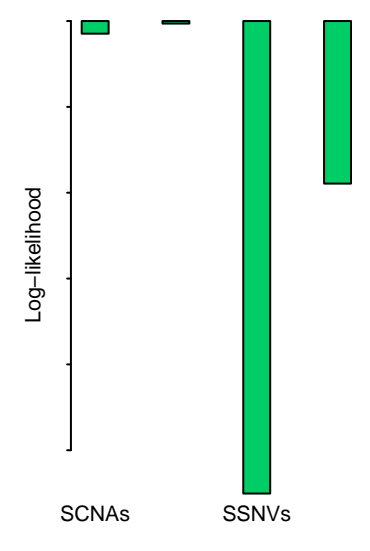
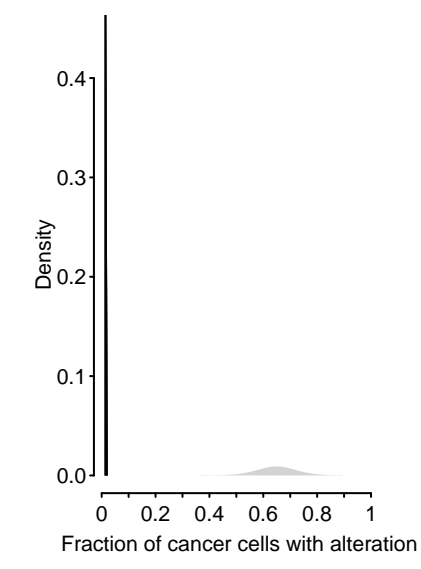
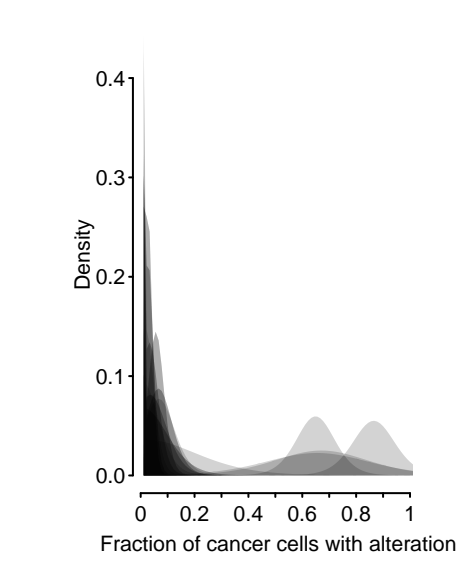
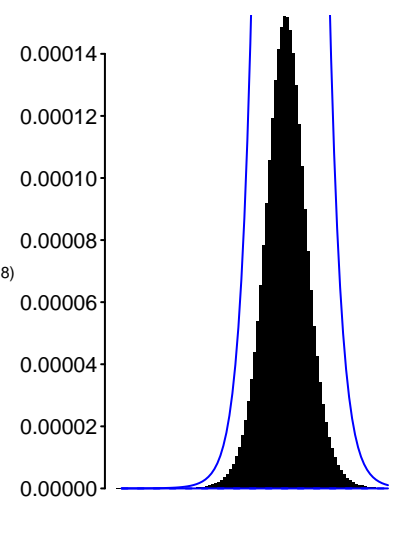
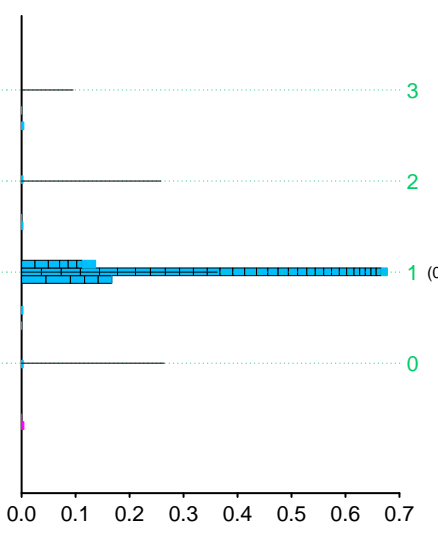
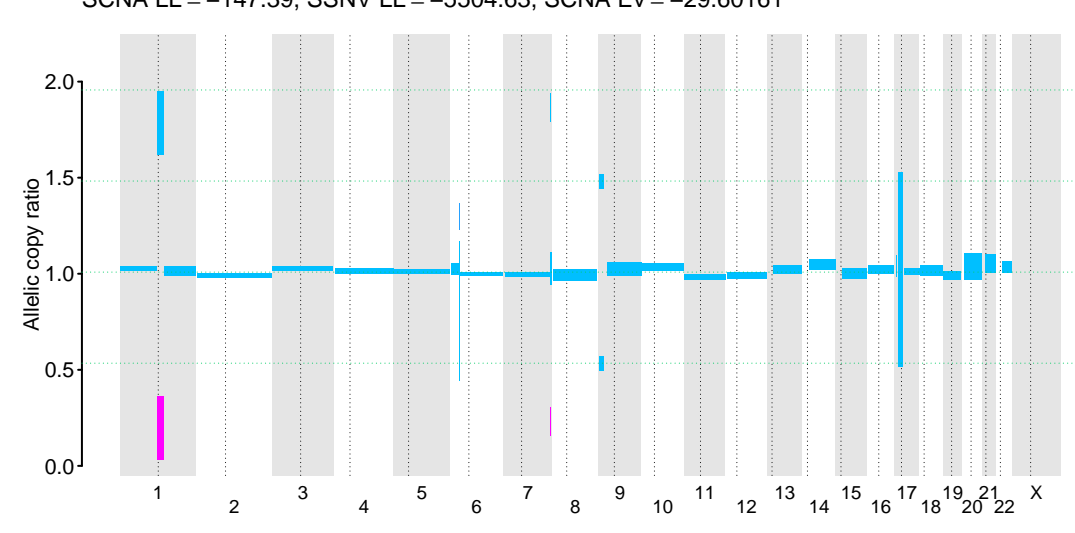
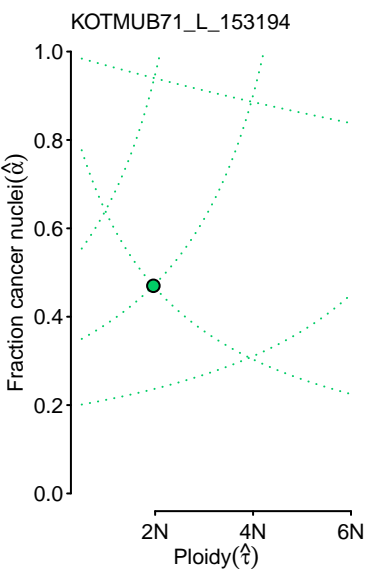
purity($\hat{\delta}_x$) = 0.22, ploidy: $\hat{\delta} = 1.95$, $\hat{\delta}_g = 2.01$
 $\theta_z = 0$, $\theta_0 = 1.403$, WGD=0
 SCNA LL = -183.3, SSNV LL = -5764.76, SCNA Ev = -33.49066



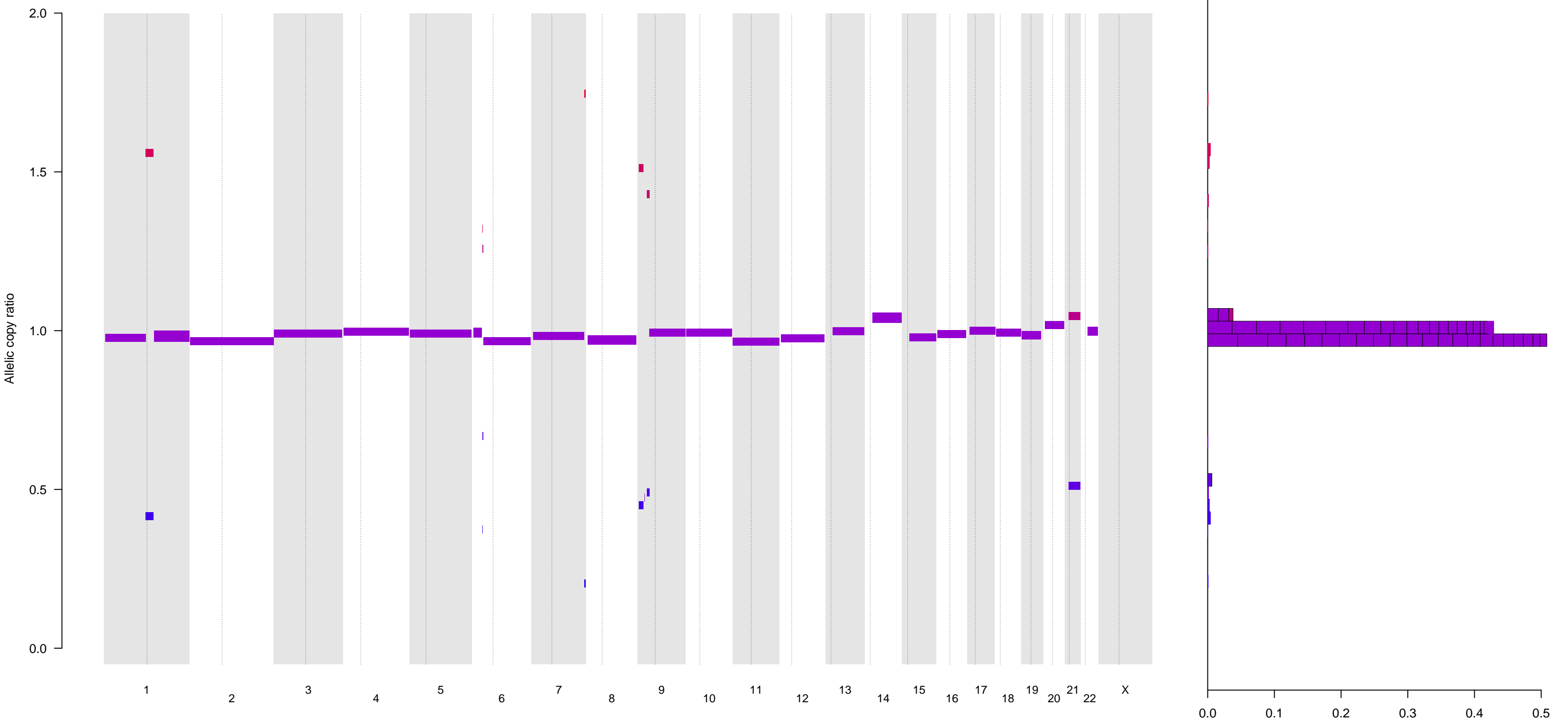
Sample 72



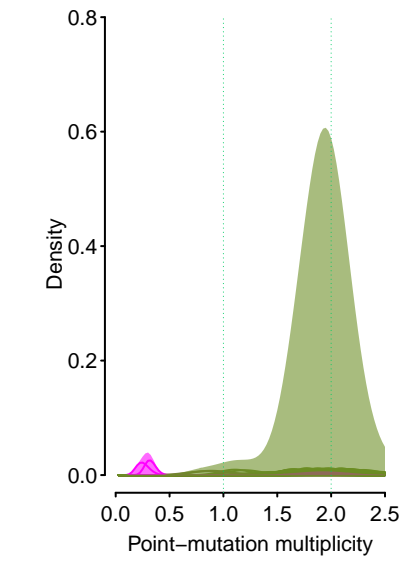
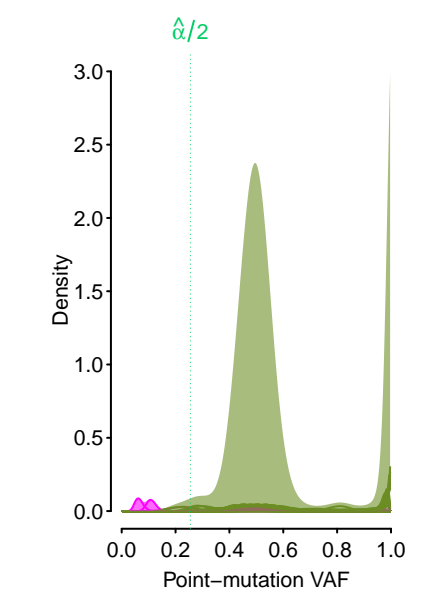
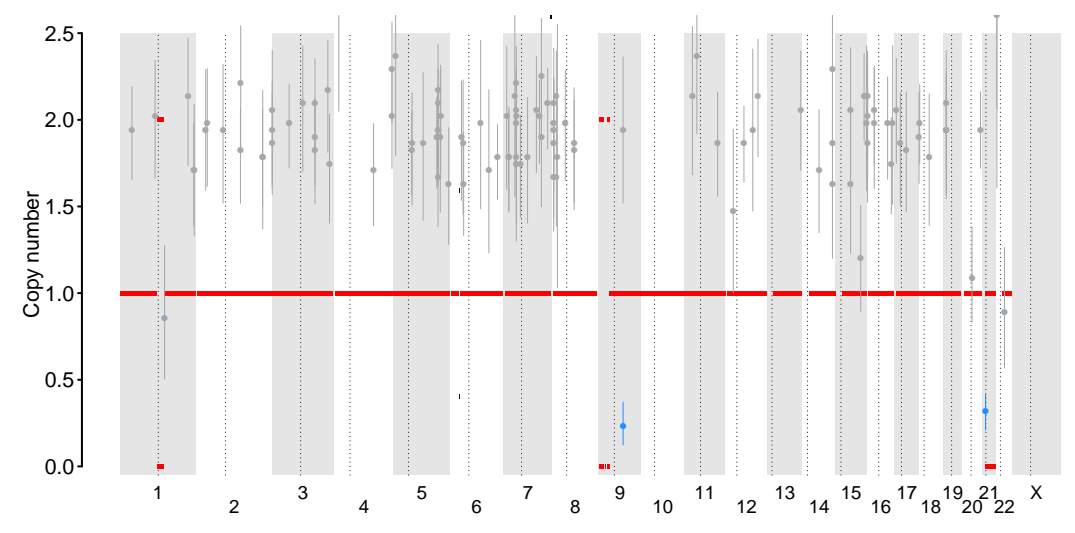
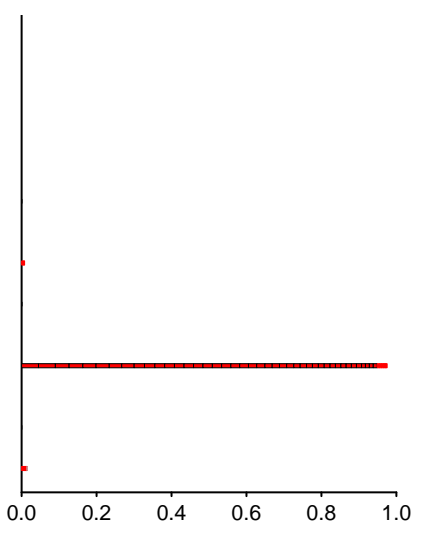
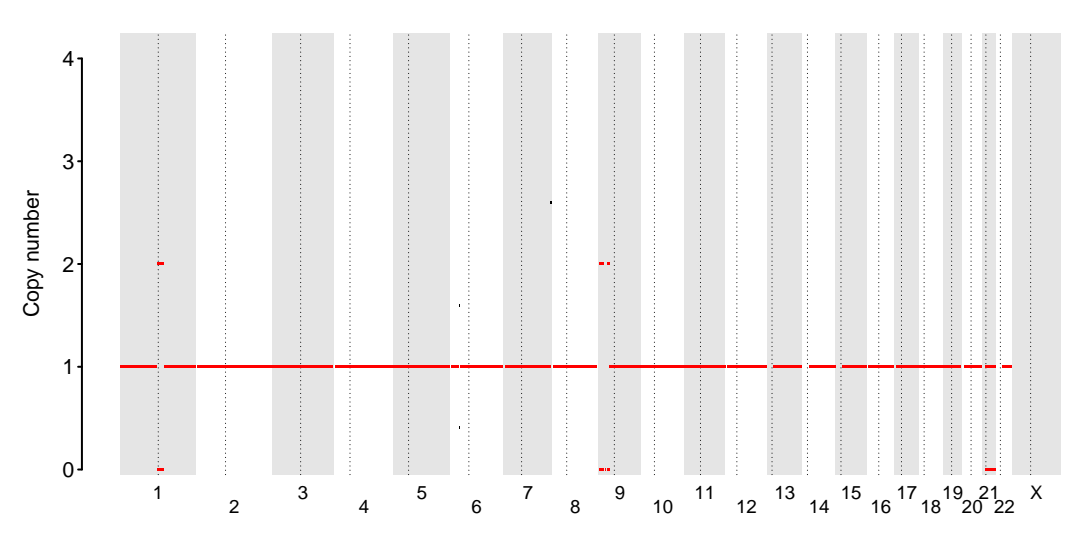
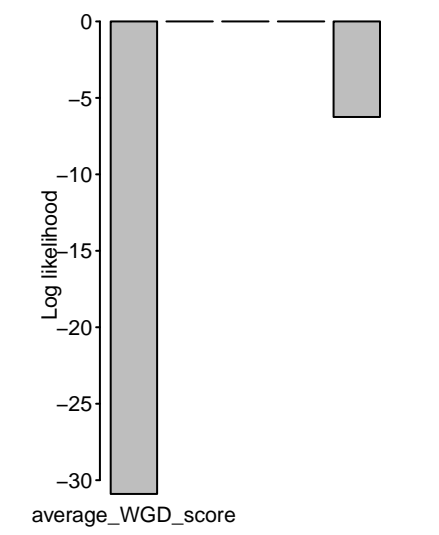
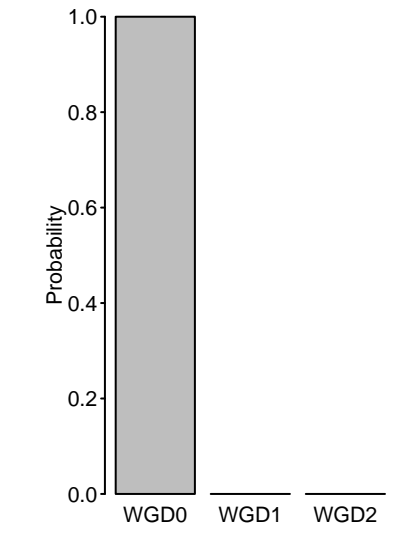
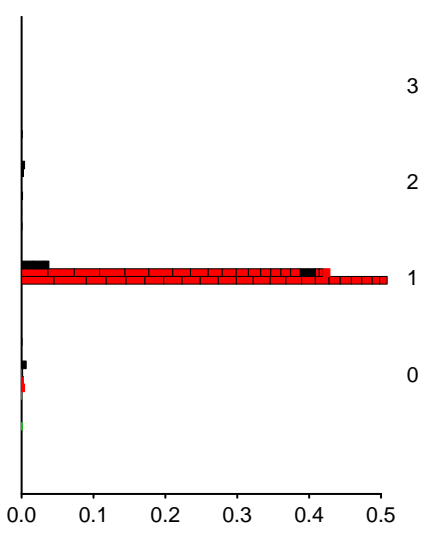
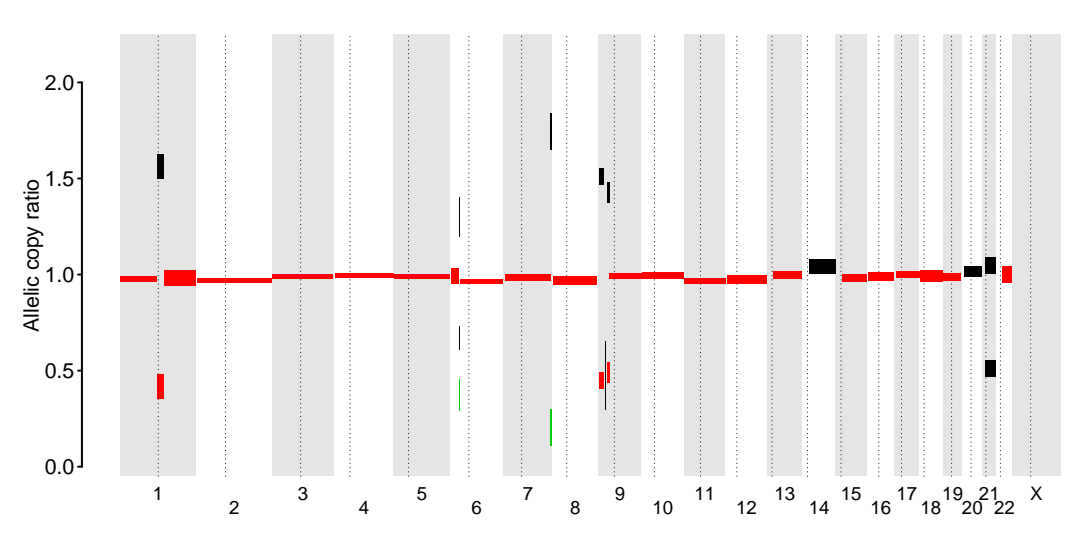
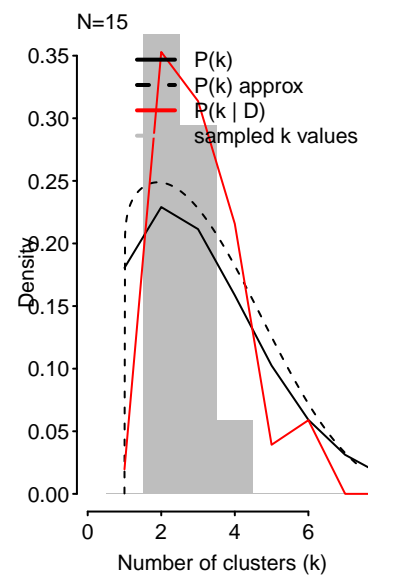
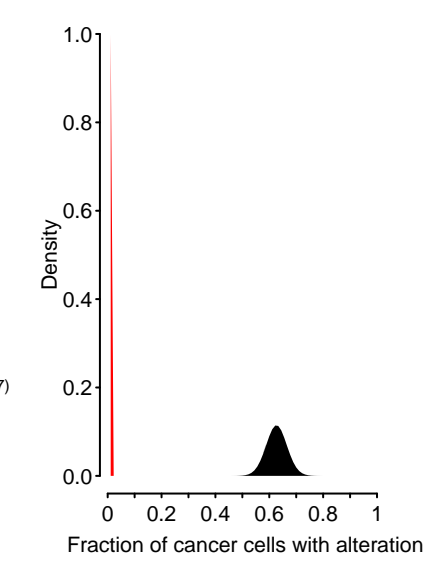
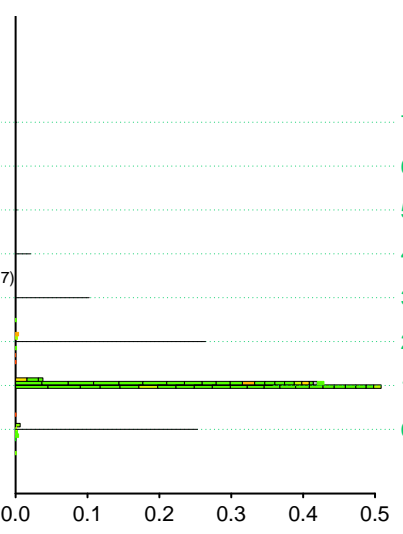
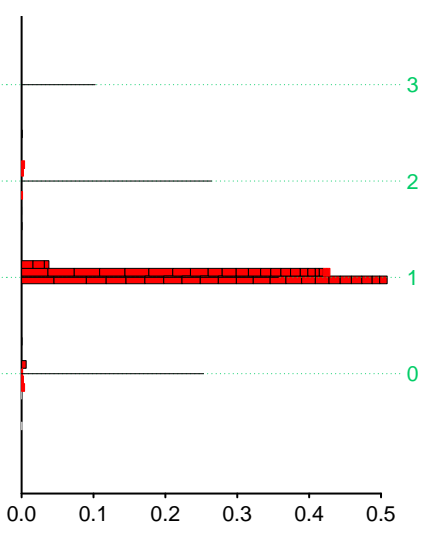
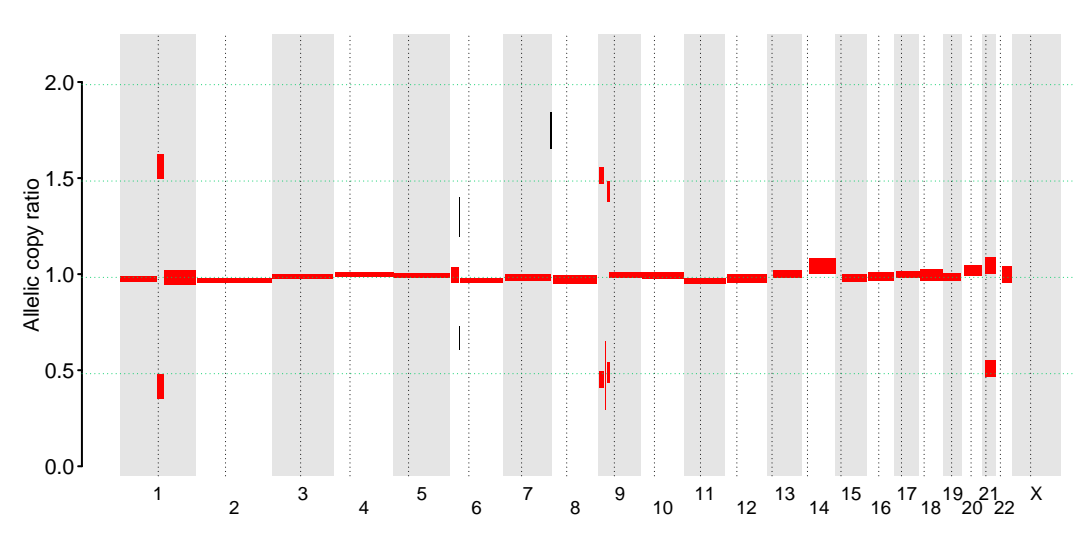
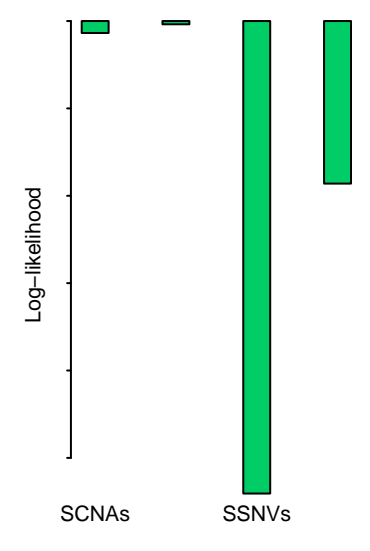
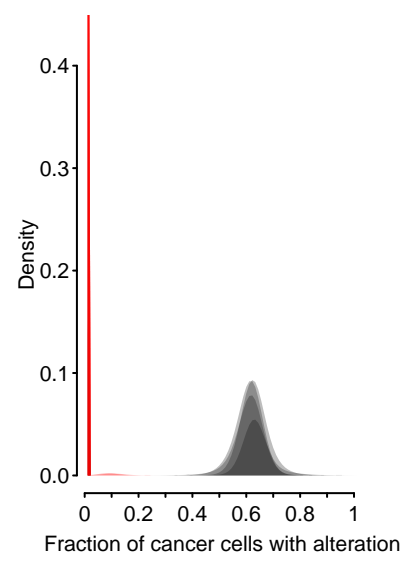
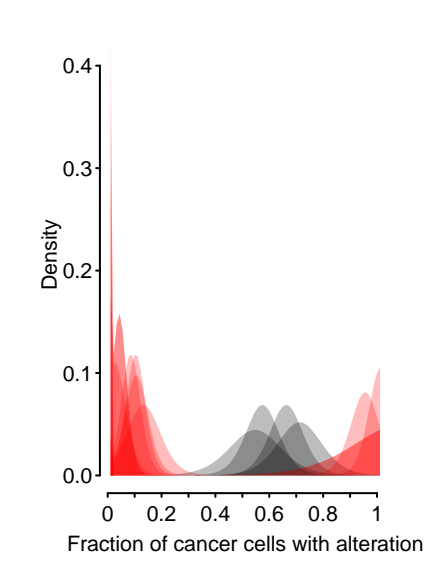
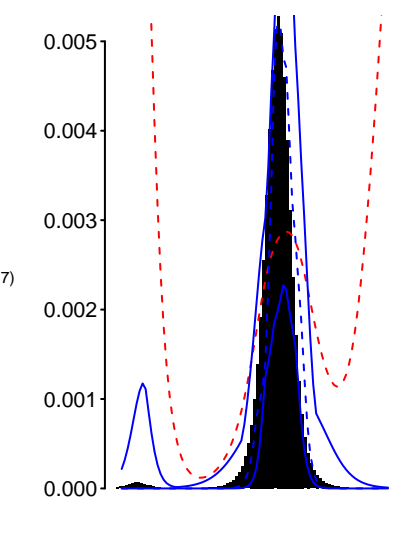
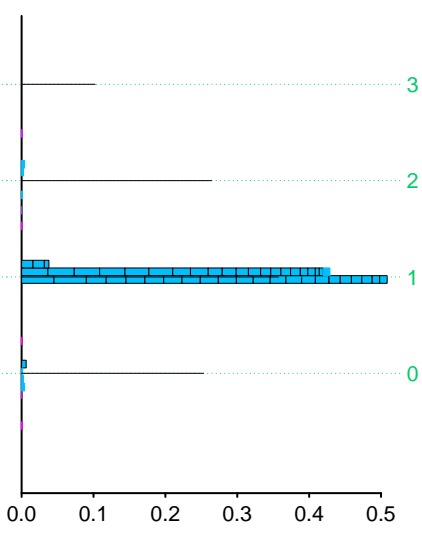
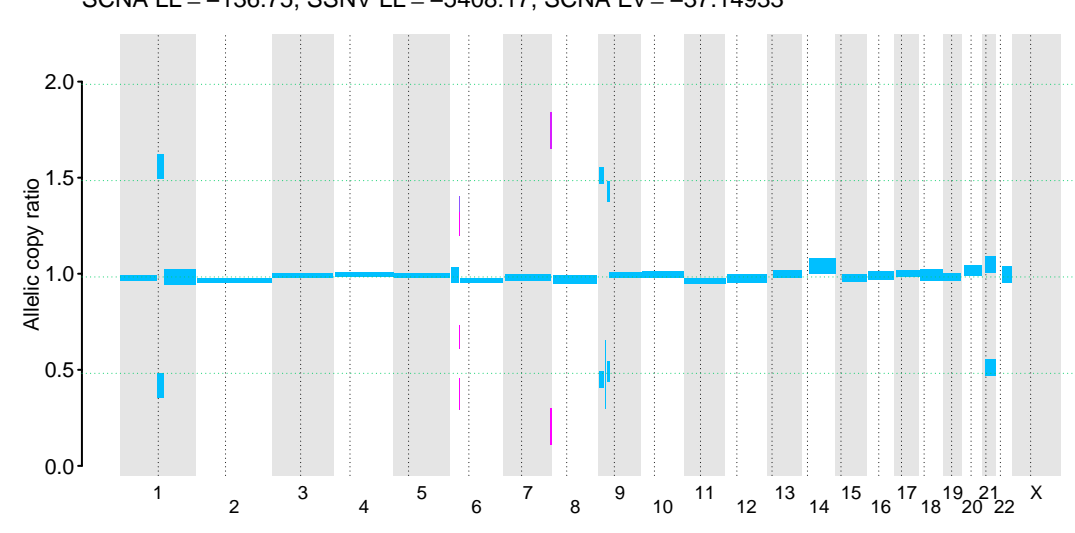
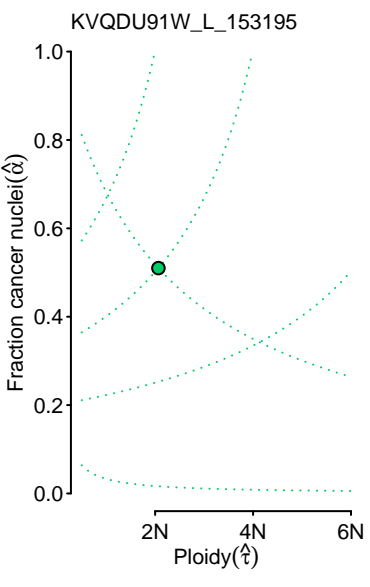
$\text{purity}(\hat{\alpha}) = 0.47$, ploidy: $\hat{t} = 1.96$, $\hat{t}_g = 2.01$
 $\theta_z = 0$, $\theta_0 = 1.235$, WGD=0
 SCNA LL = -147.39, SSNV LL = -5504.63, SCNA Ev = -29.60161



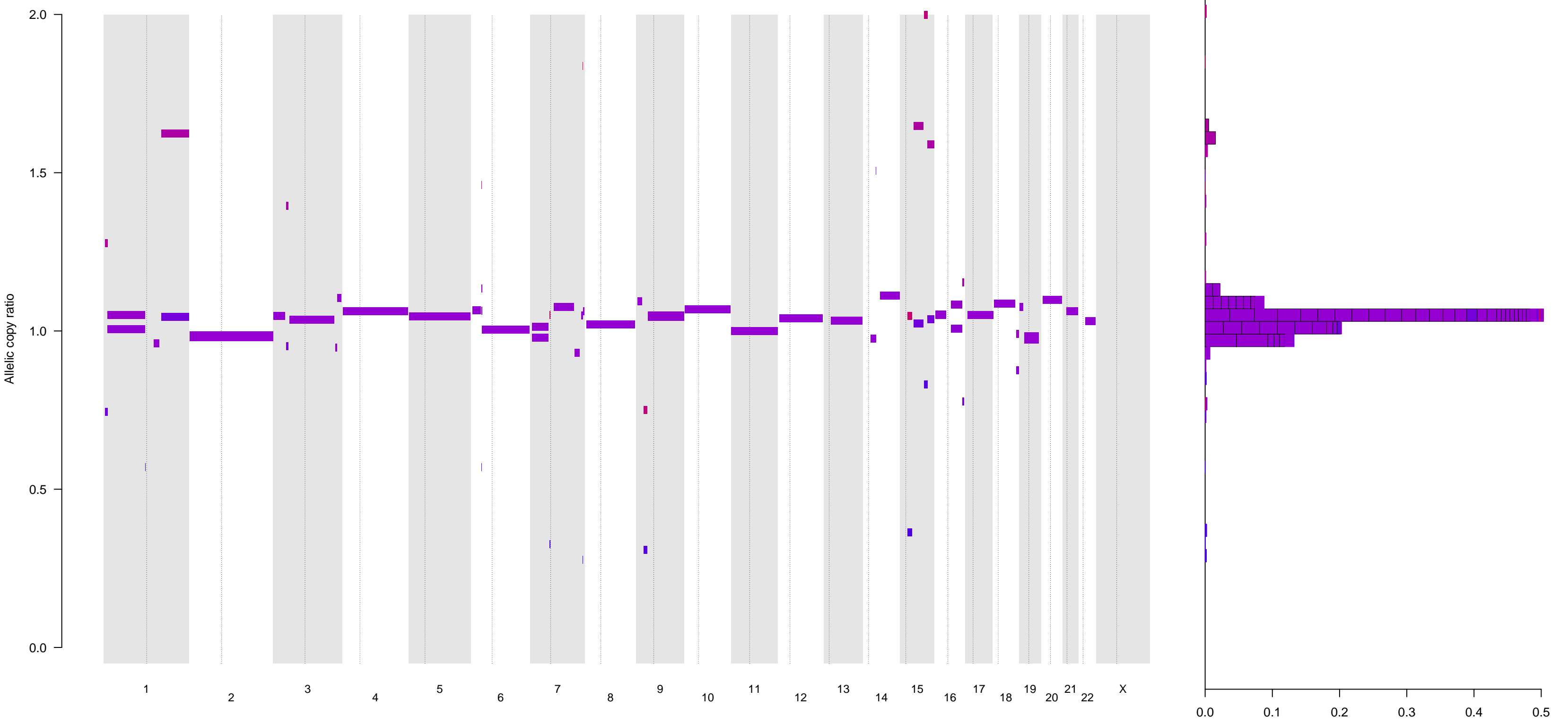
Sample 73



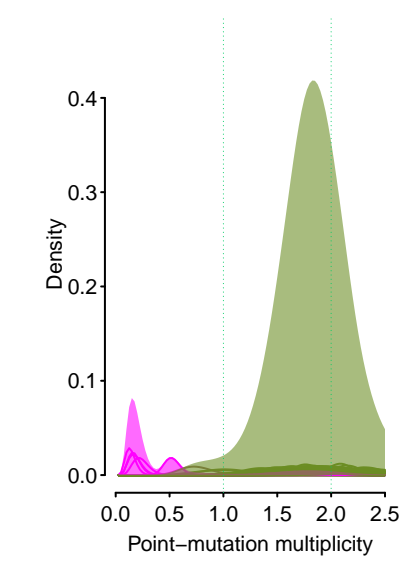
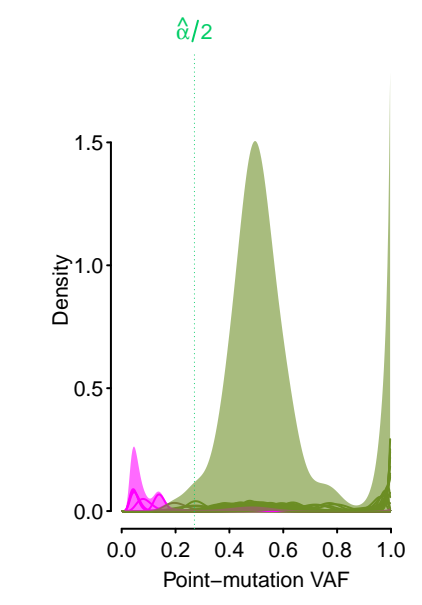
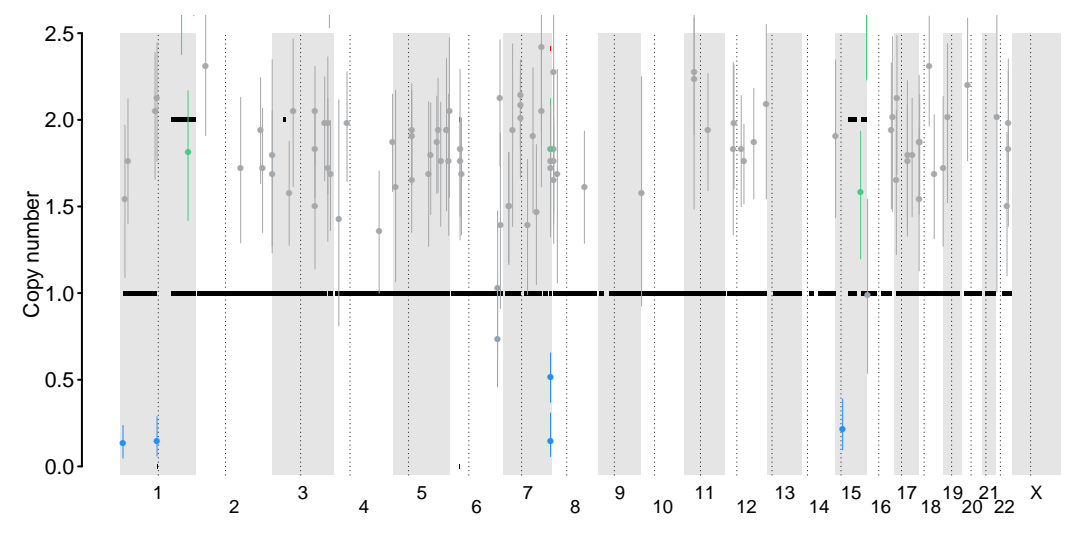
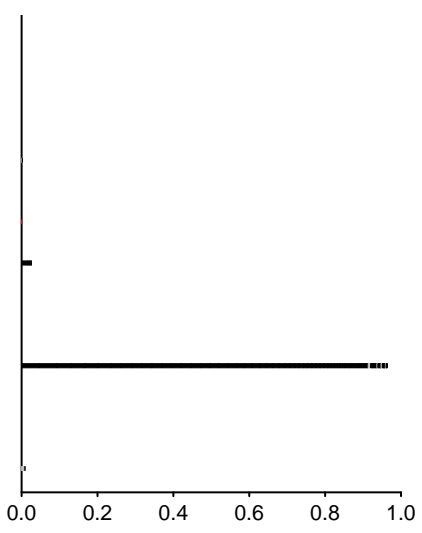
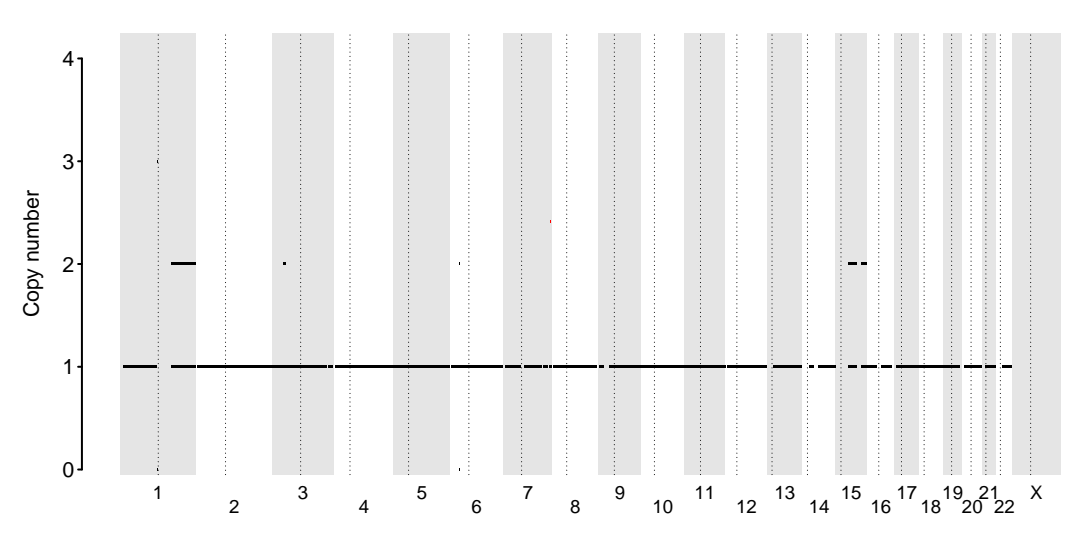
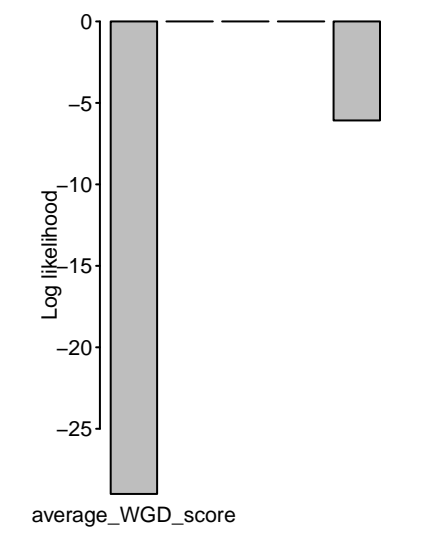
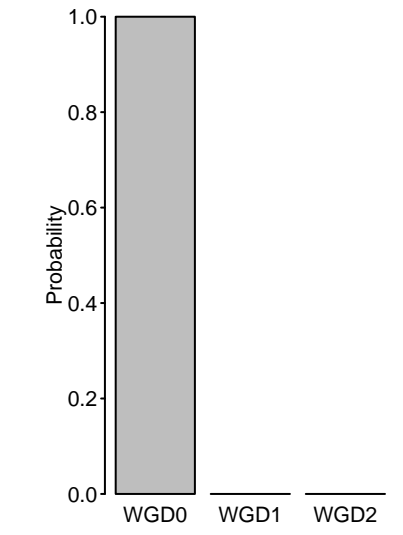
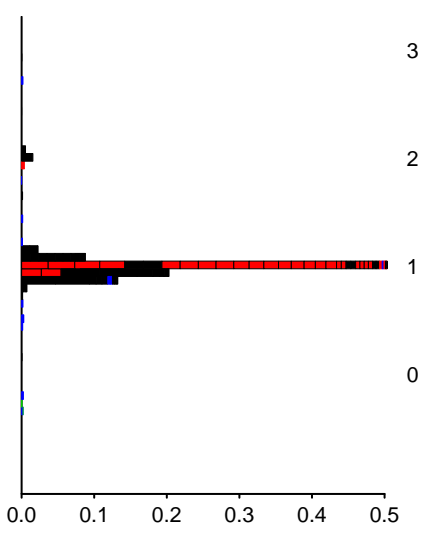
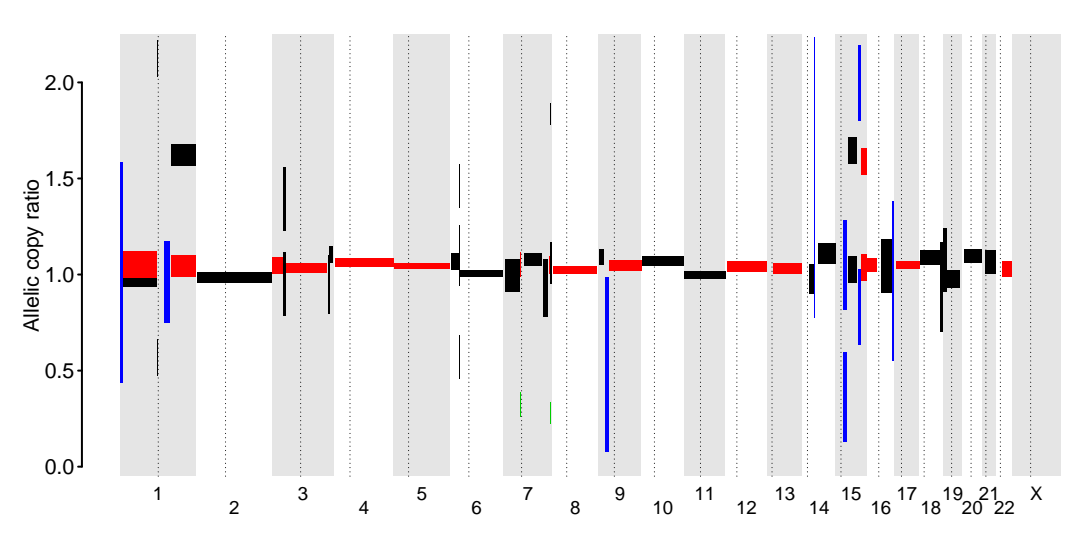
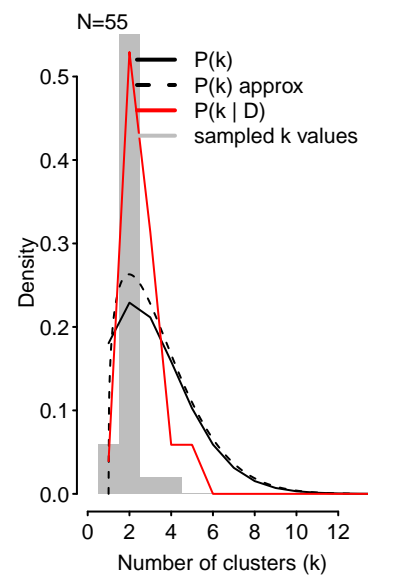
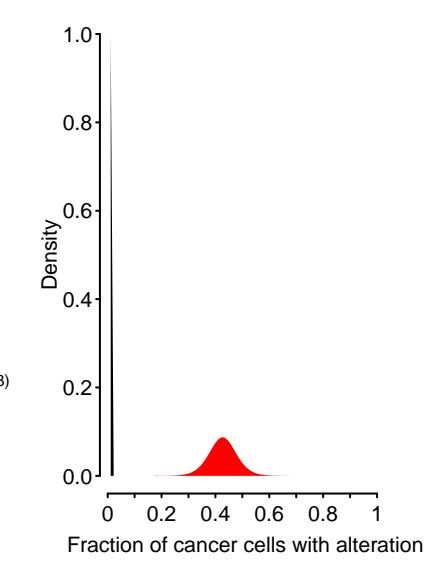
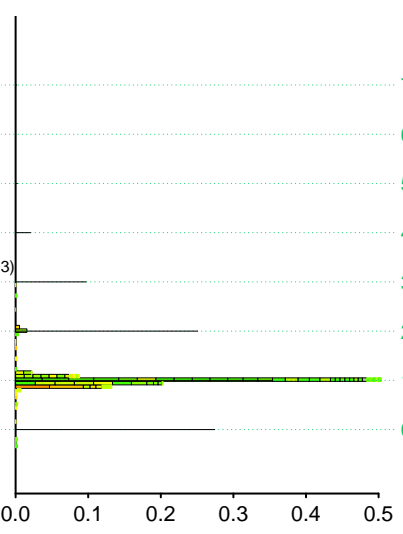
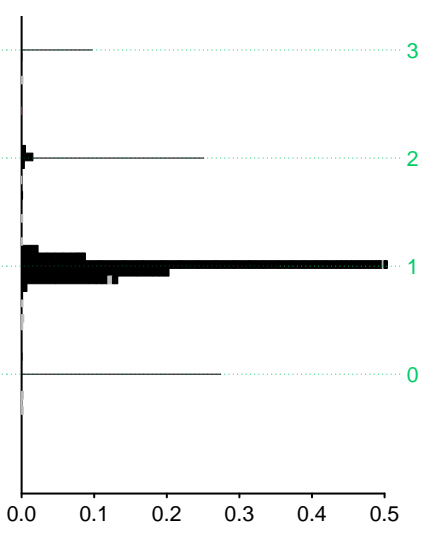
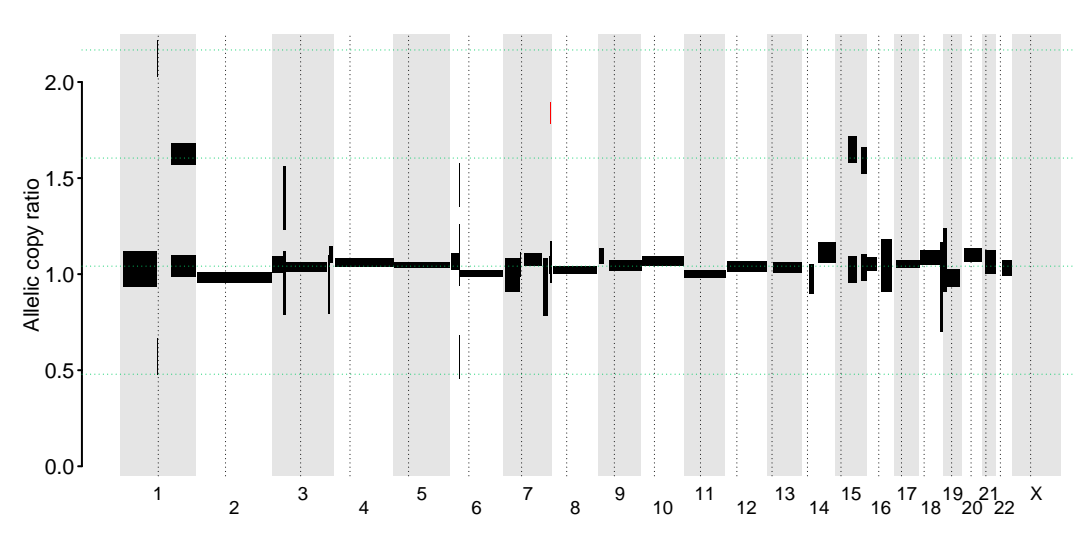
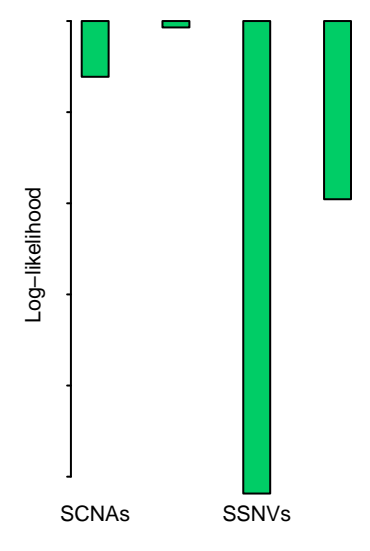
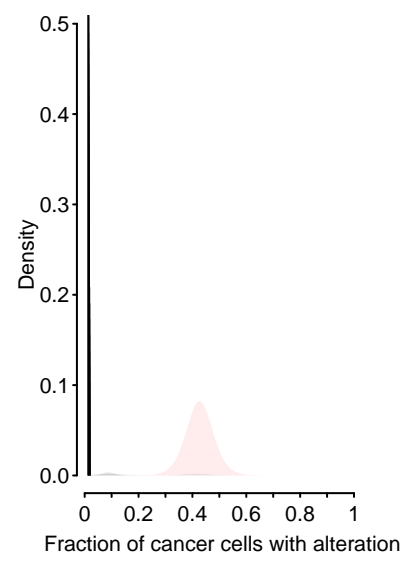
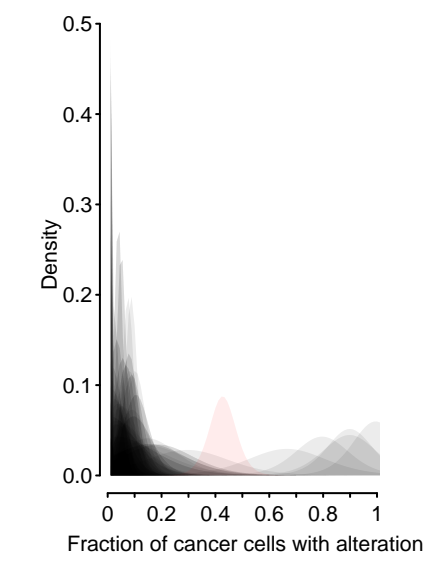
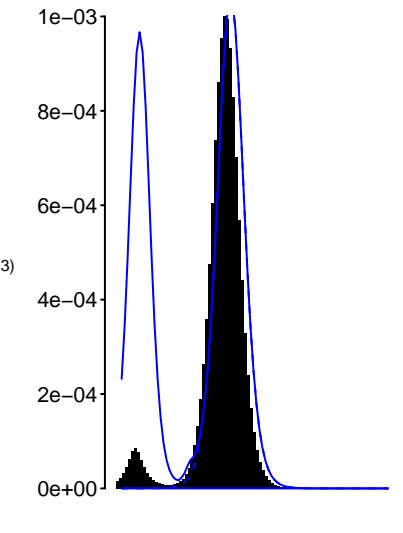
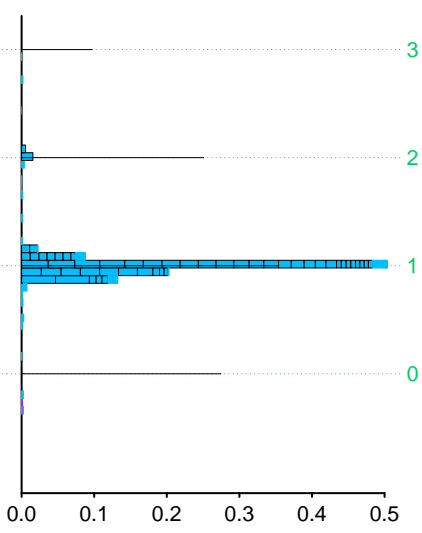
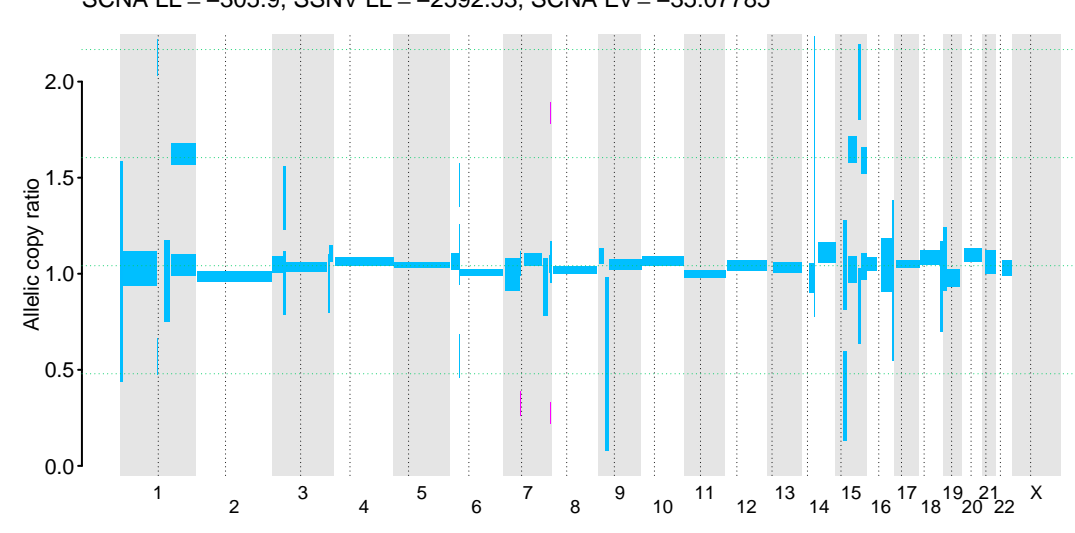
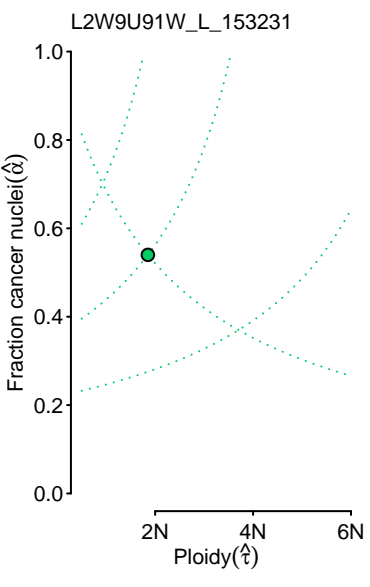
$\text{purity}(\hat{\lambda}) = 0.51$, ploidy: $\hat{t} = 2.07$, $\hat{t}_g = 1.99$
 $\theta_z = 0$, $\theta_0 = 1.244$, WGD=0
 SCNA LL = -136.75, SSNV LL = -5408.17, SCNA Ev = -37.14933



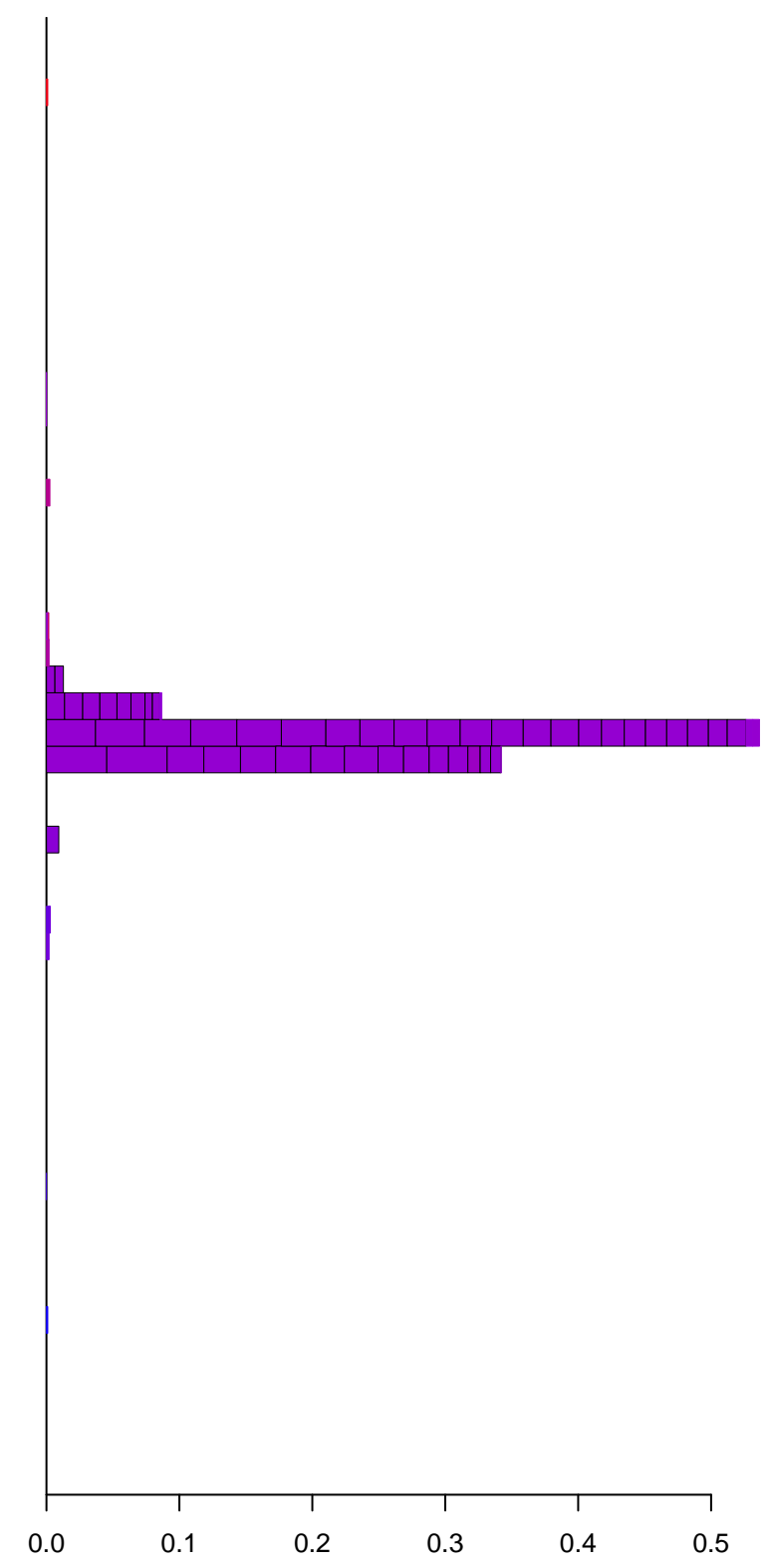
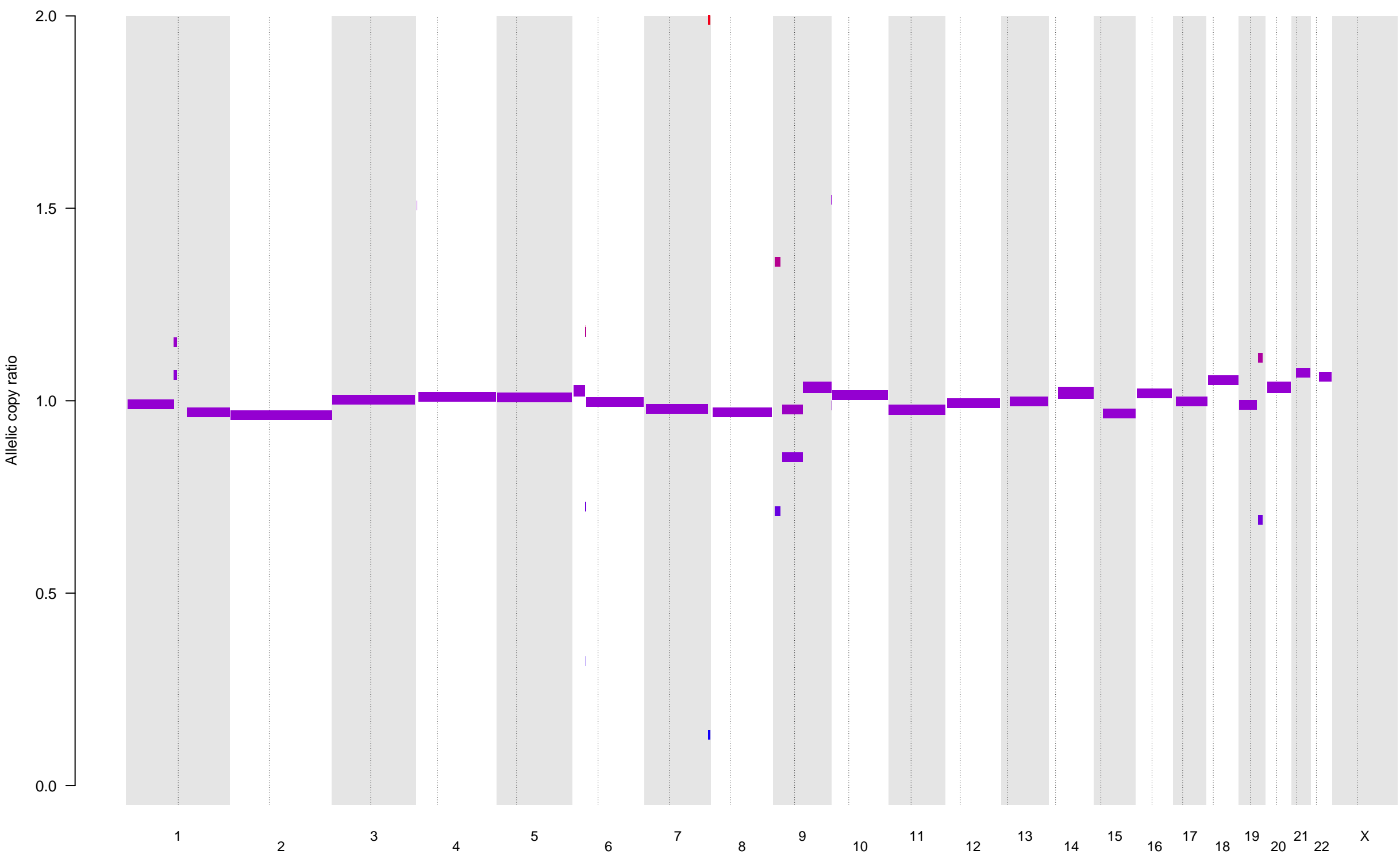
Sample 74



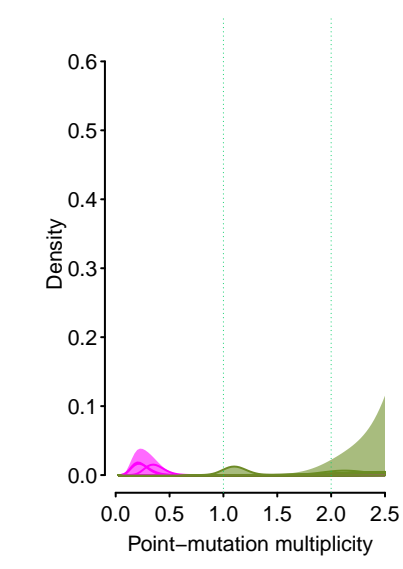
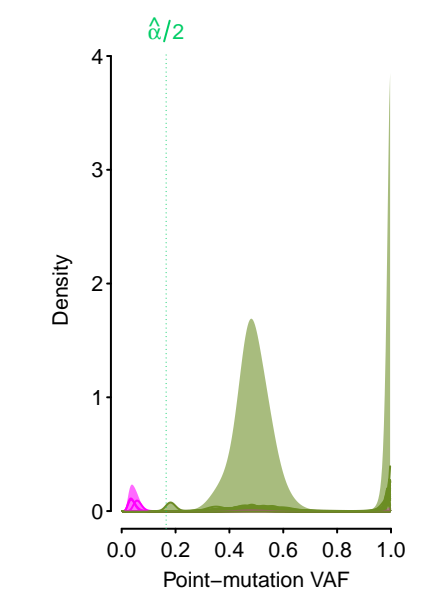
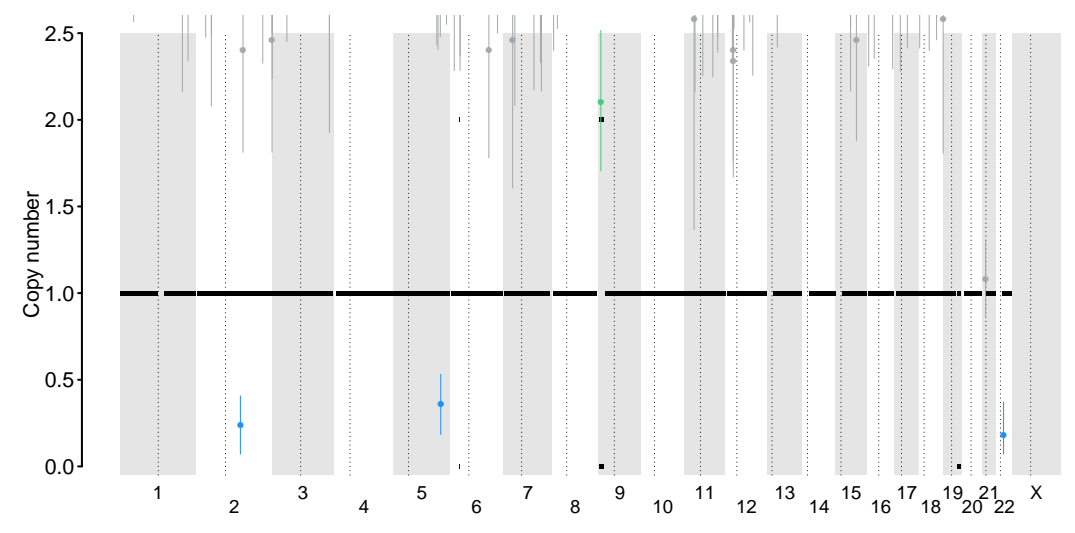
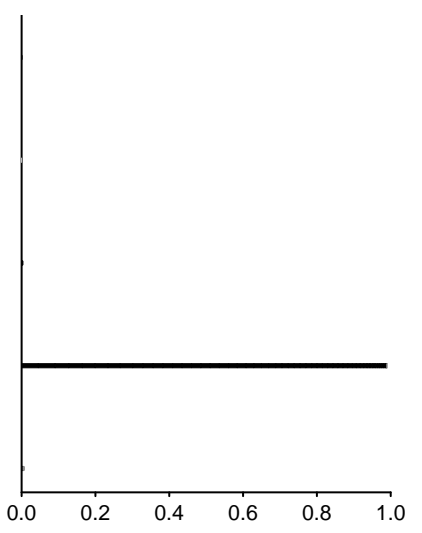
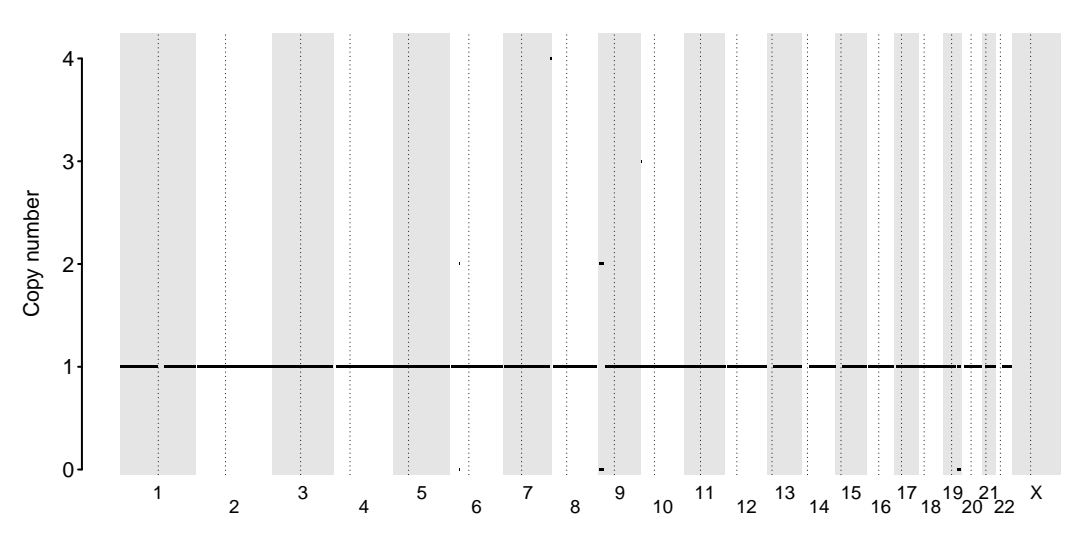
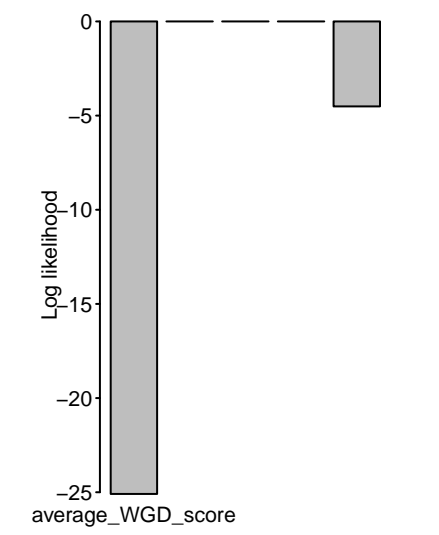
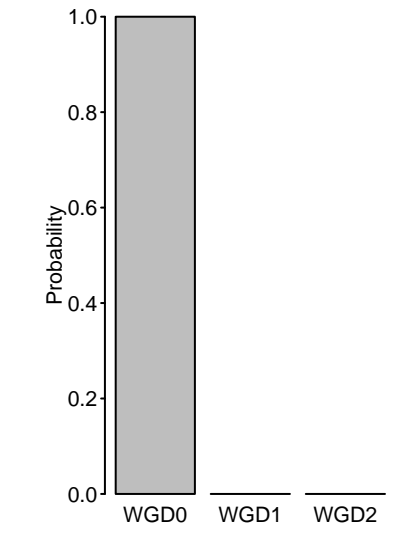
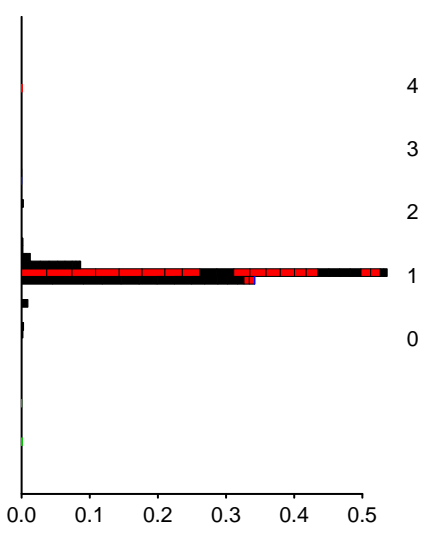
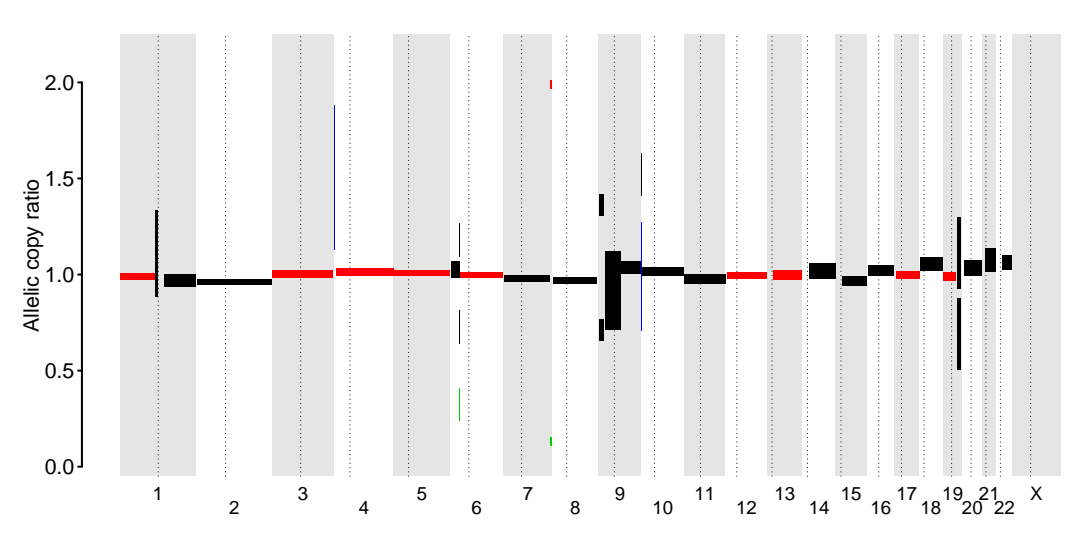
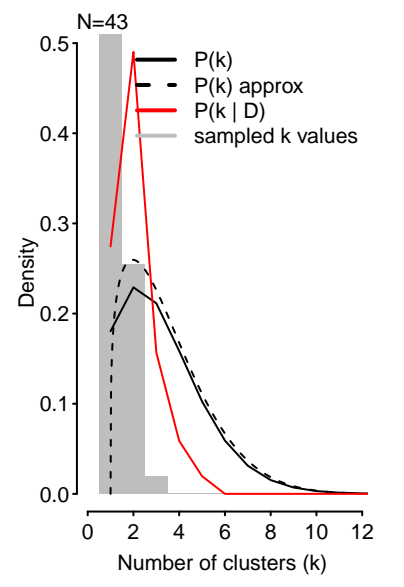
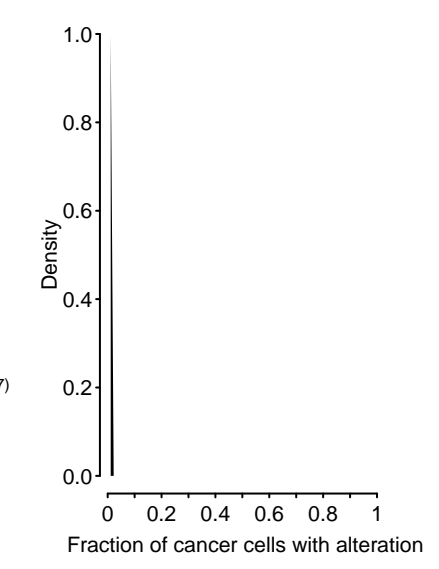
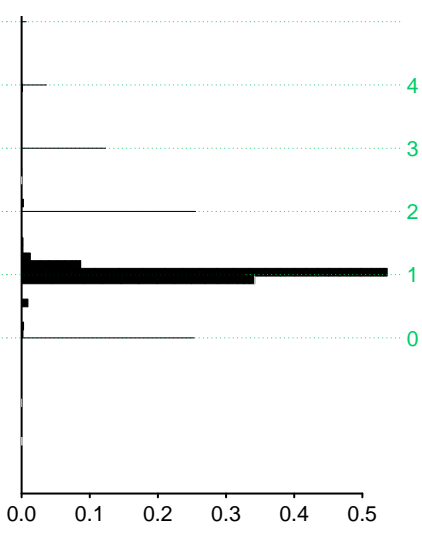
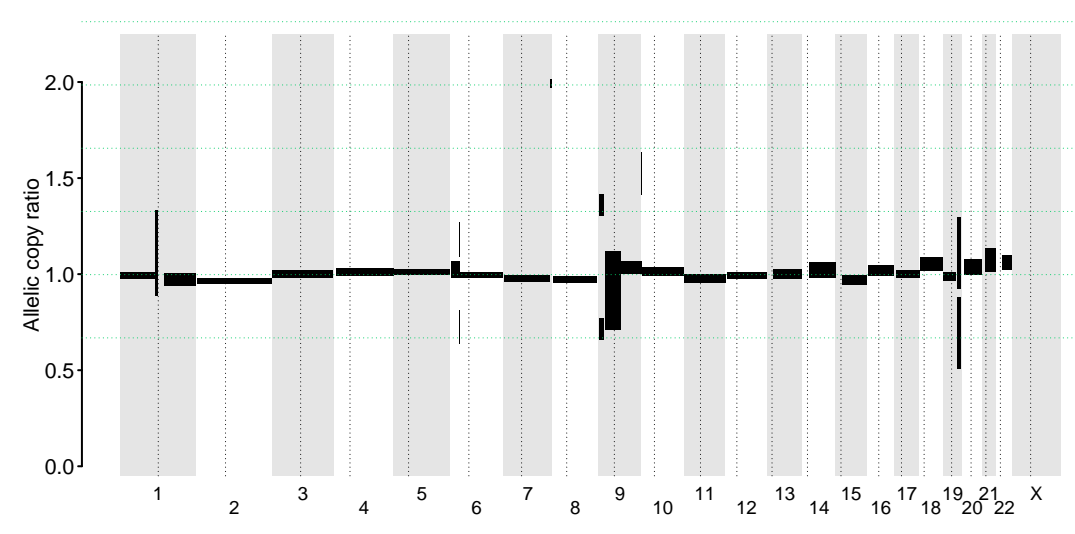
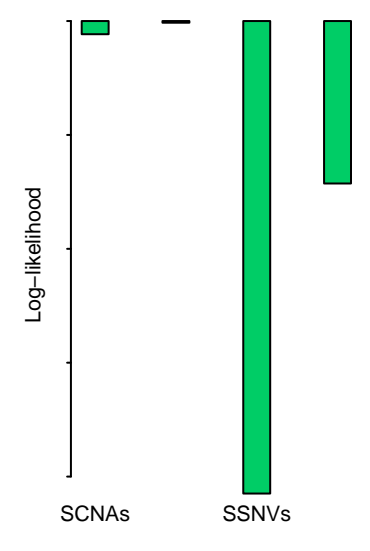
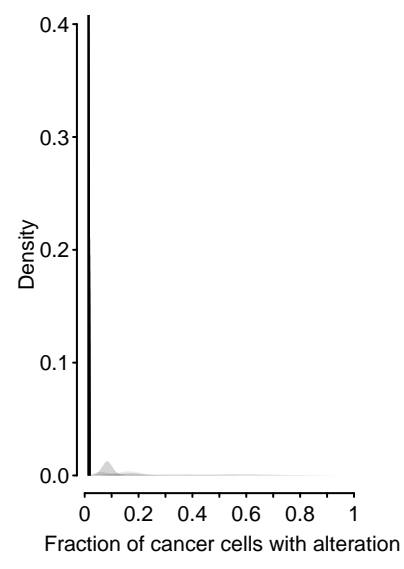
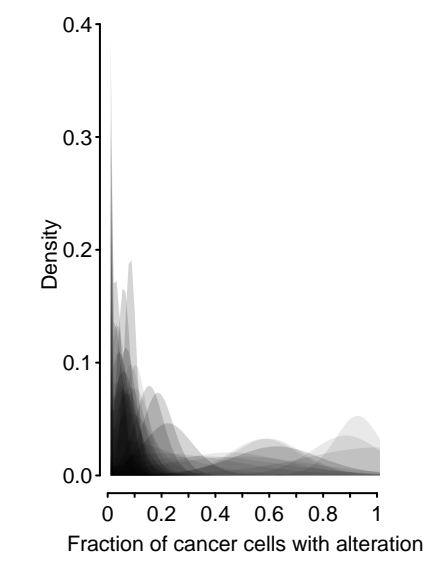
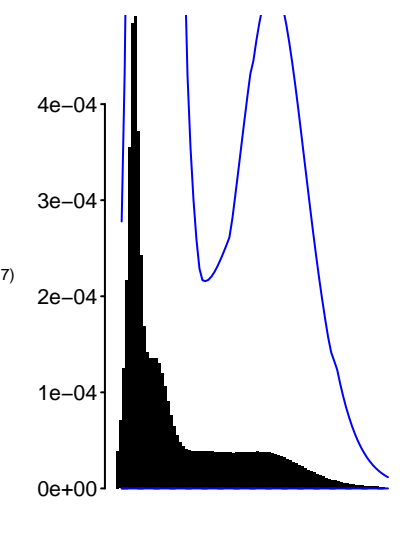
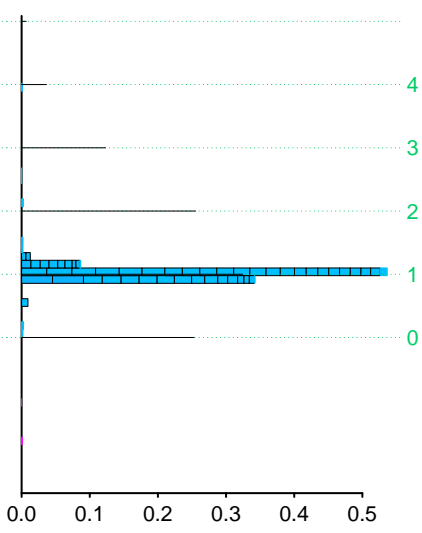
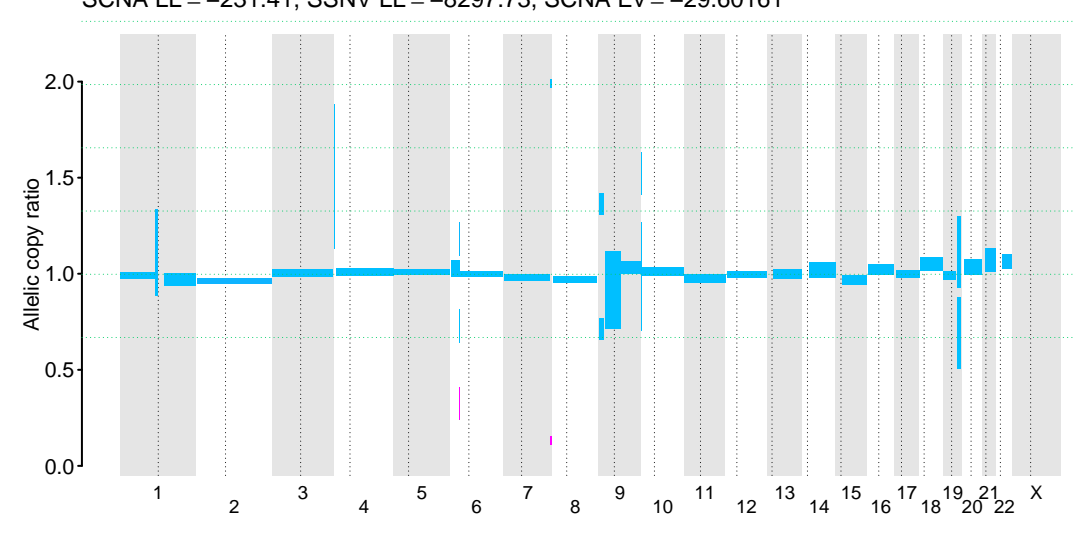
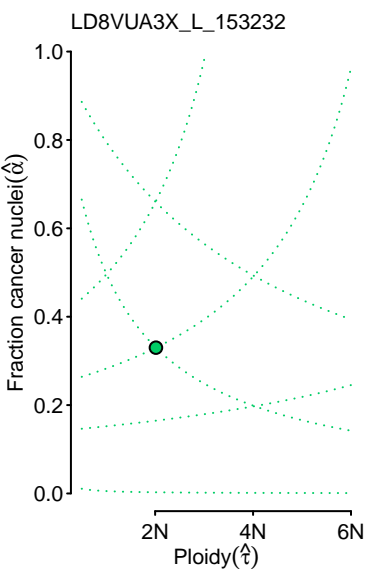
purity($\hat{\alpha}$) = 0.54, ploidy: $\hat{t} = 1.85$, $\hat{t}_g = 2.05$
 $\theta_z = 0$, $\theta_0 = 1.289$, WGD=0
 SCNA LL = -305.9, SSNV LL = -2592.53, SCNA Ev = -35.07785



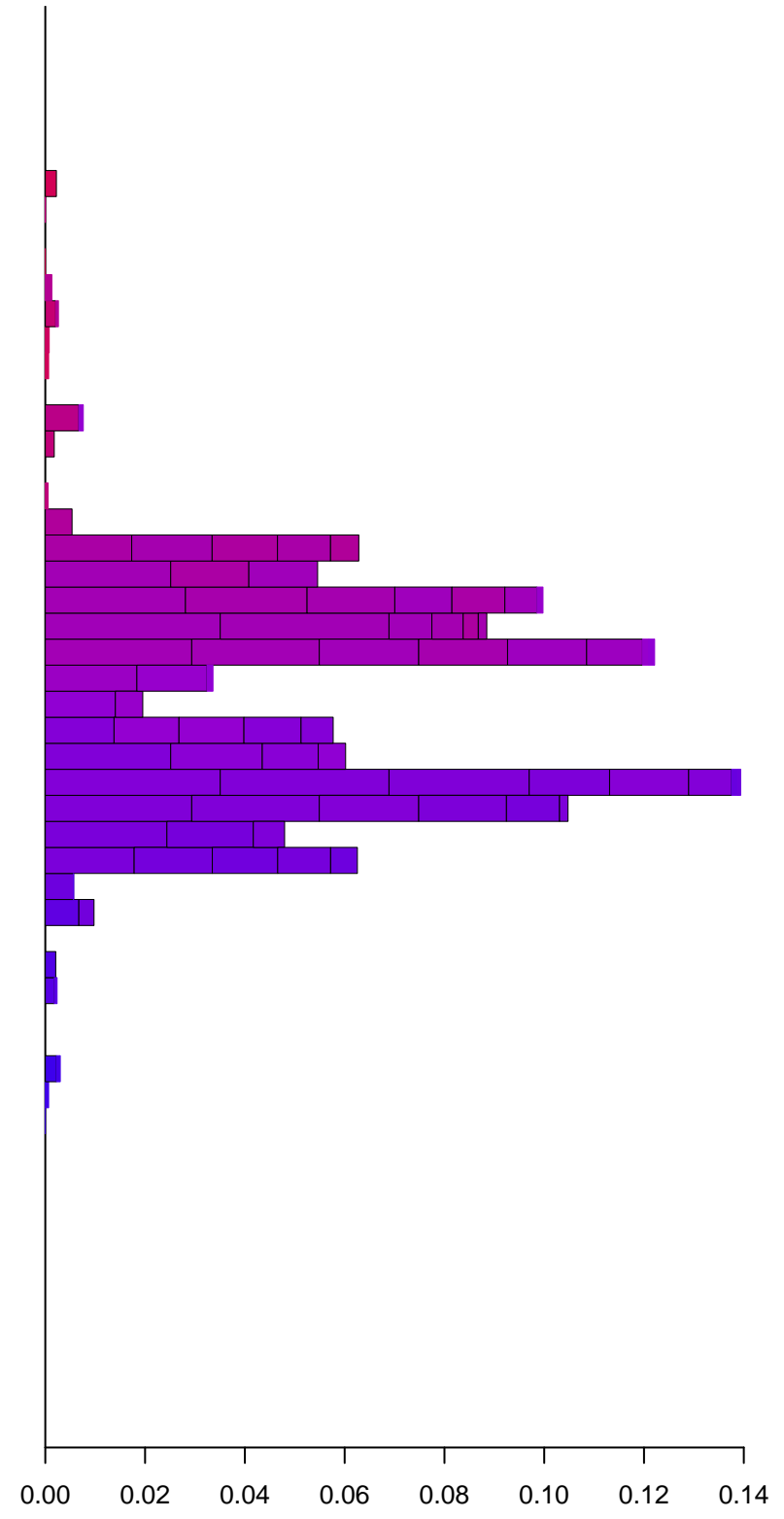
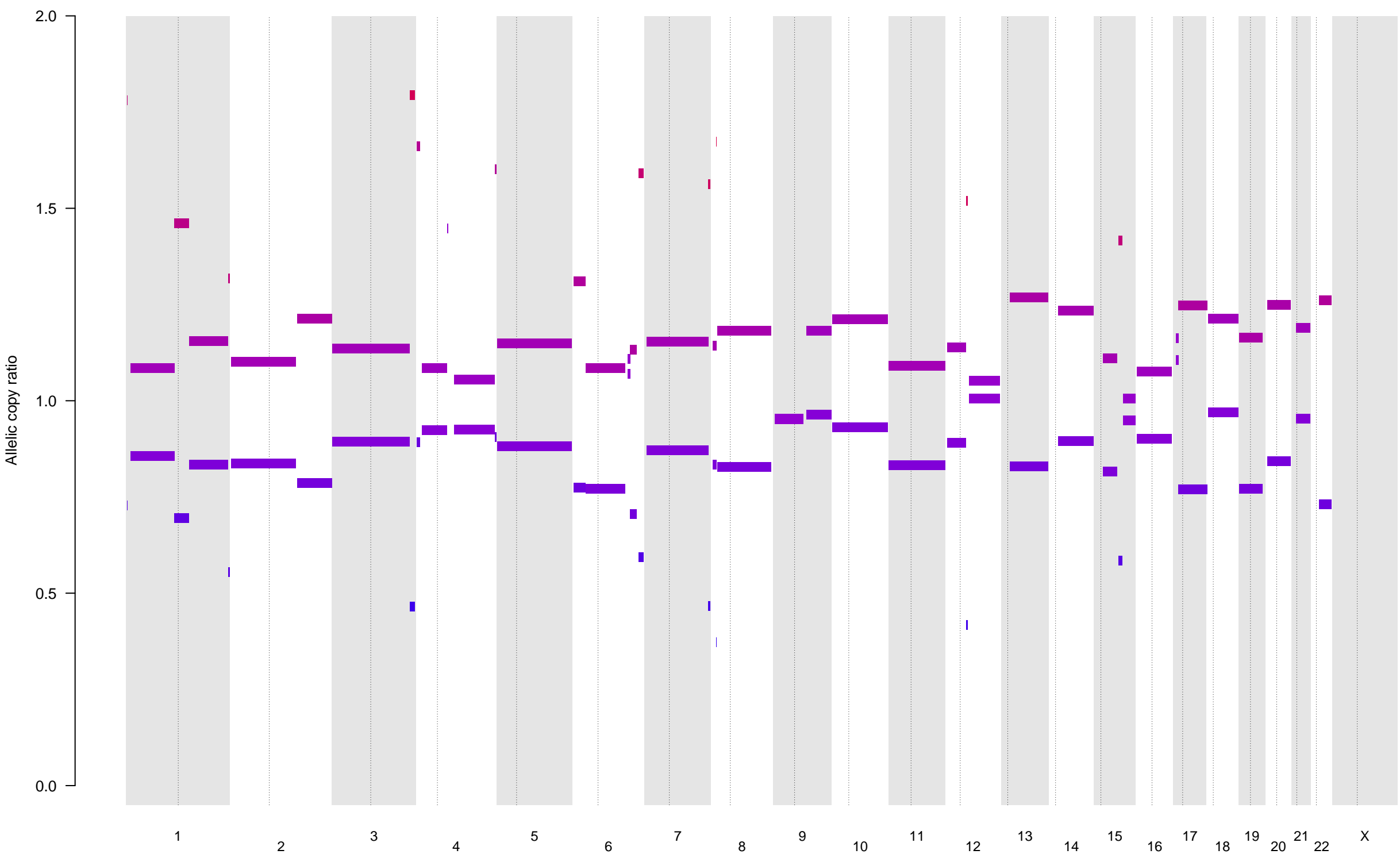
Sample 75

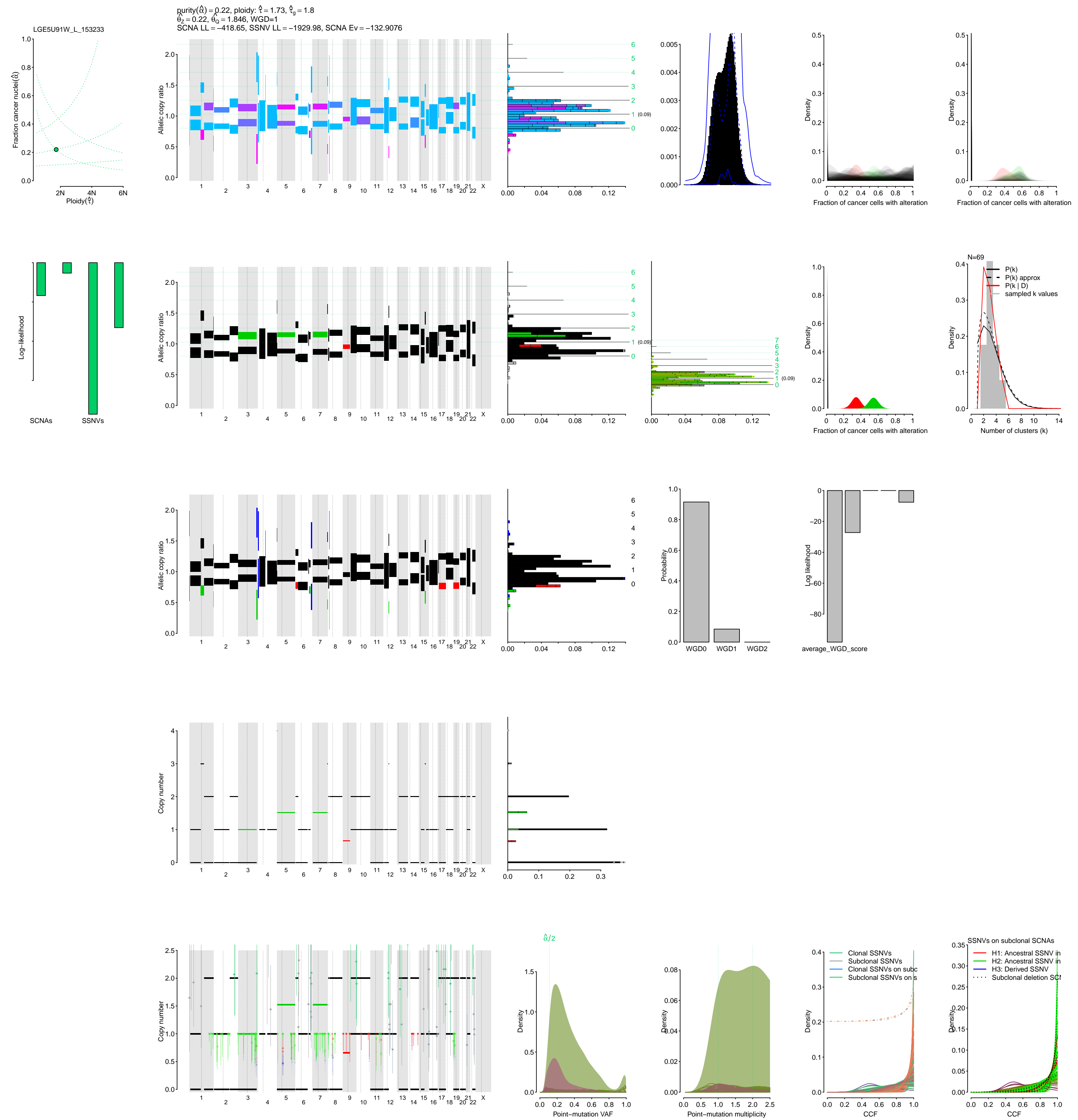


$\hat{\alpha} = 0.33$, ploidy: $\hat{\tau} = 2.02$, $\hat{\tau}_g = 2$
 $\theta_z = 0.01$, $\theta_G = 1.431$, WGD=0
 SCNA LL = -231.41, SSNV LL = -8297.73, SCNA Ev = -29.60161

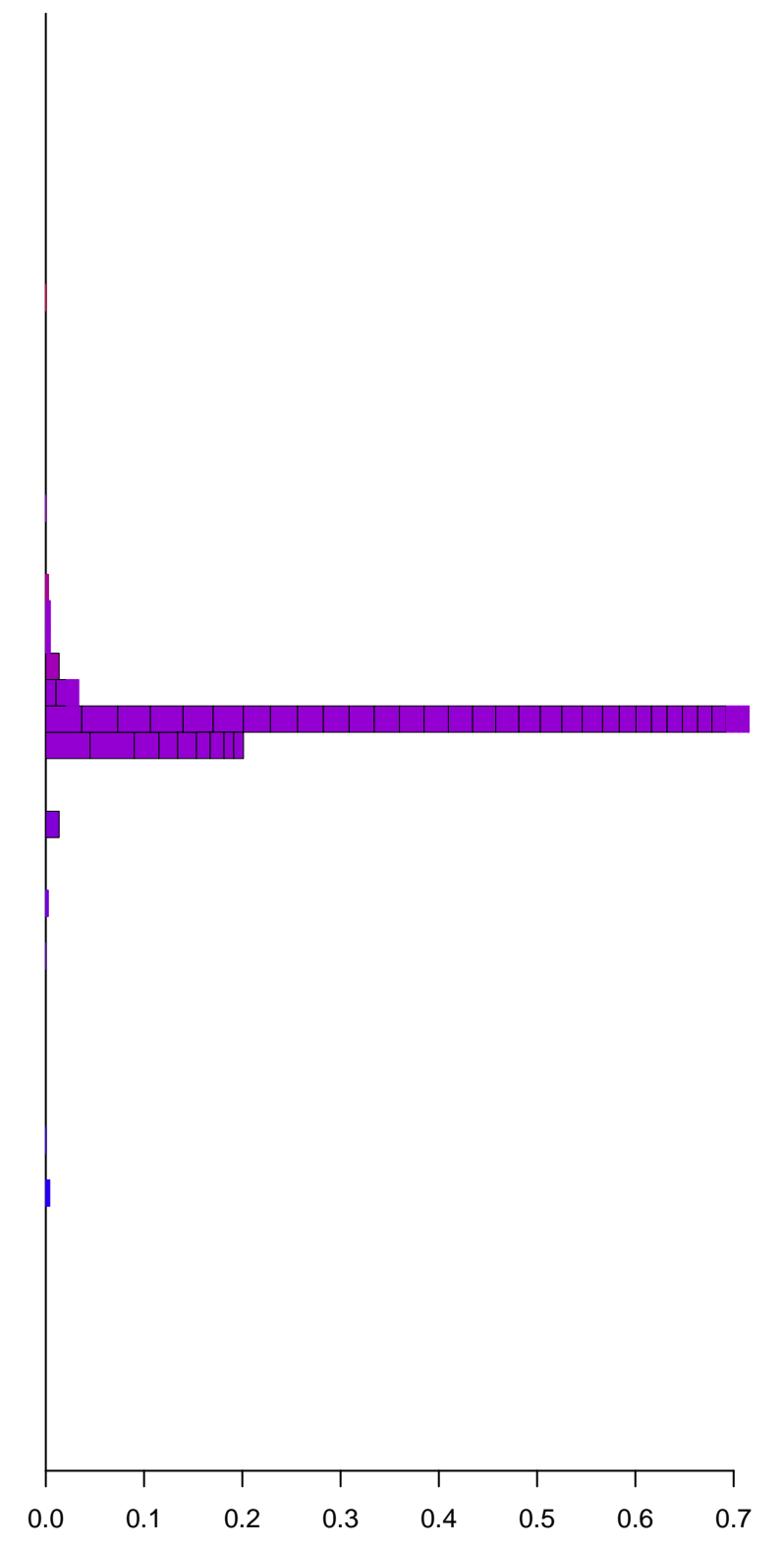
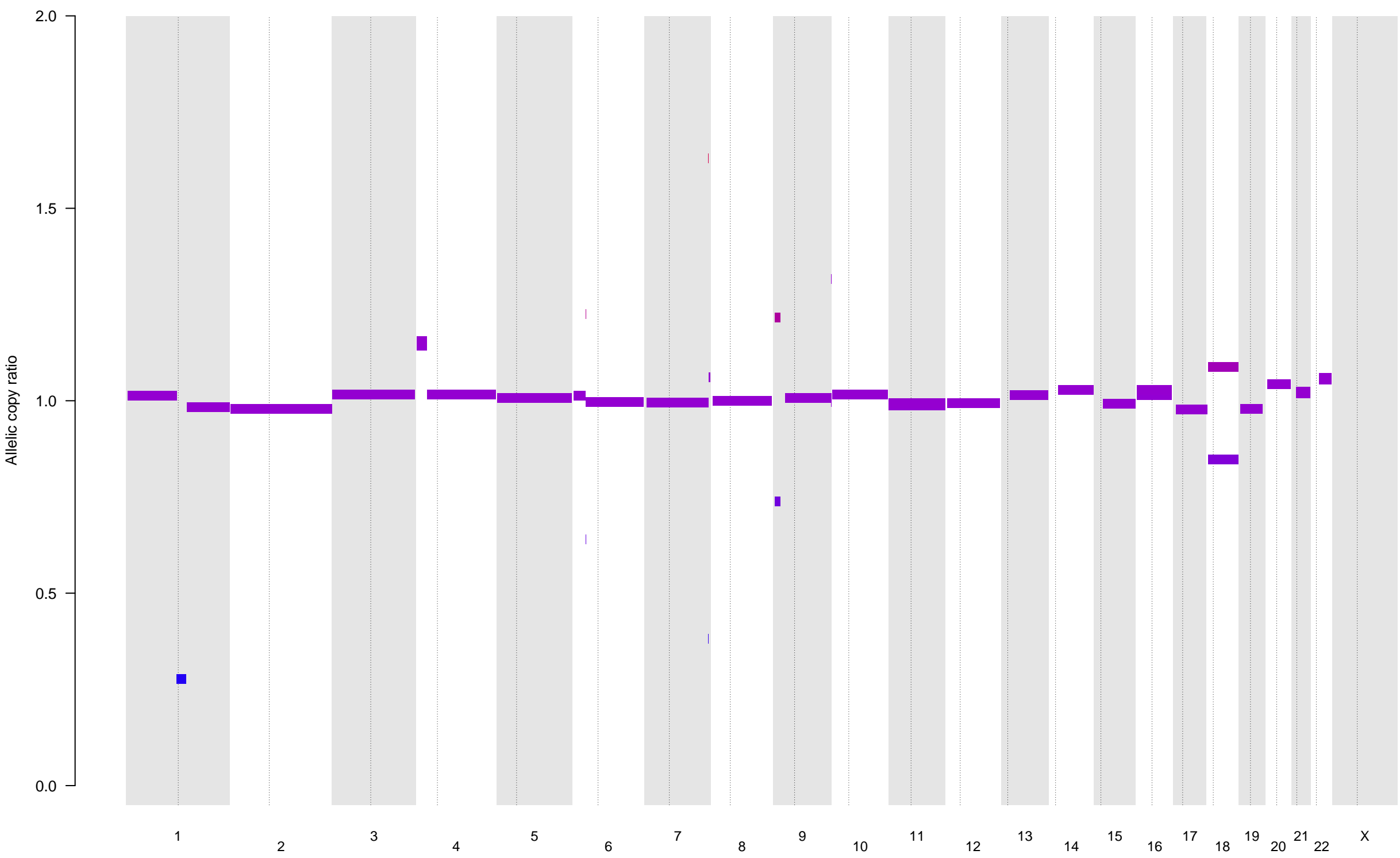


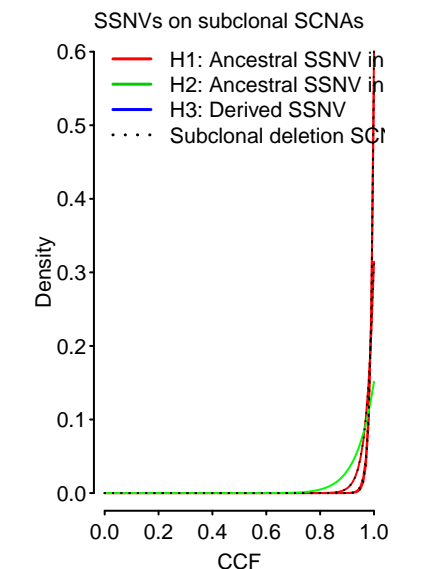
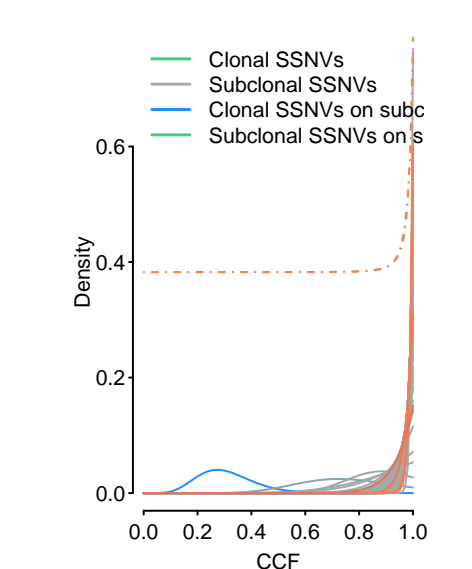
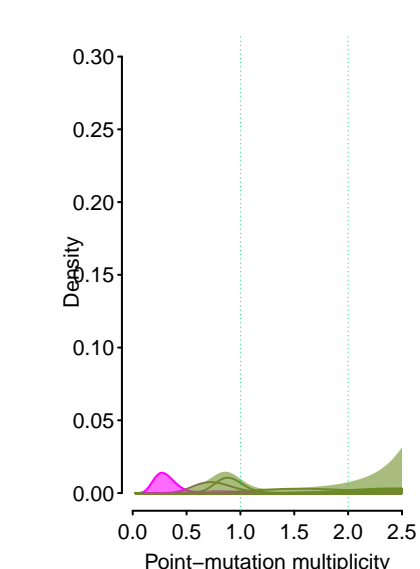
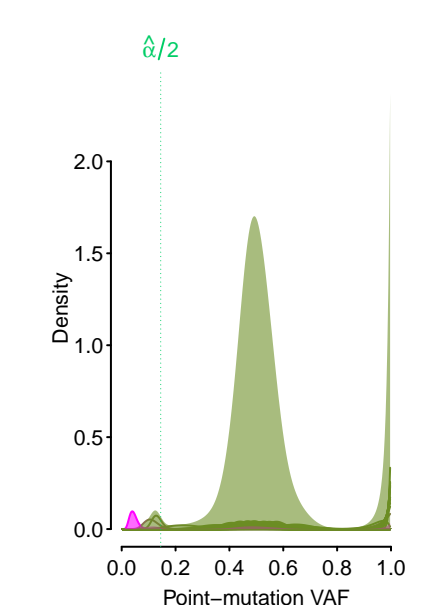
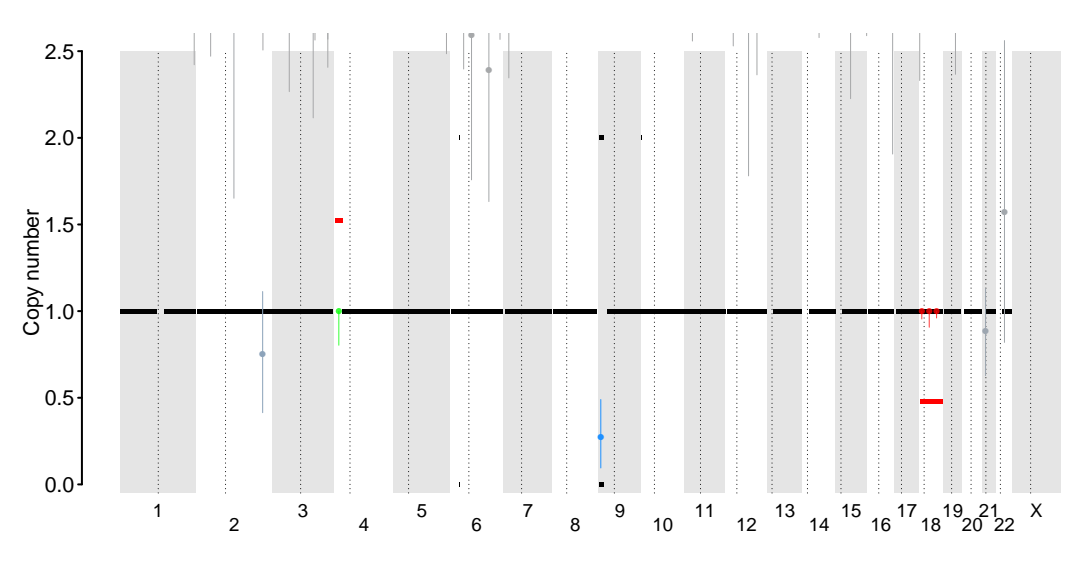
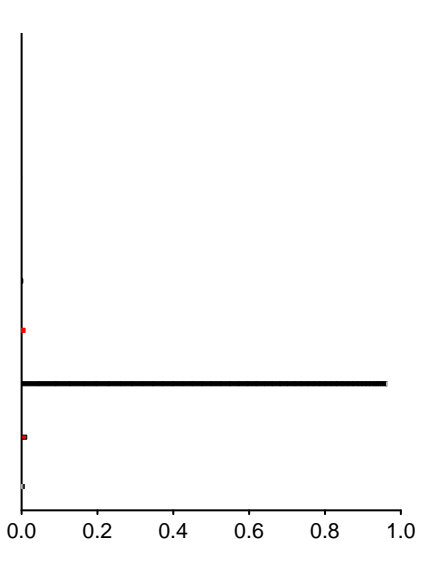
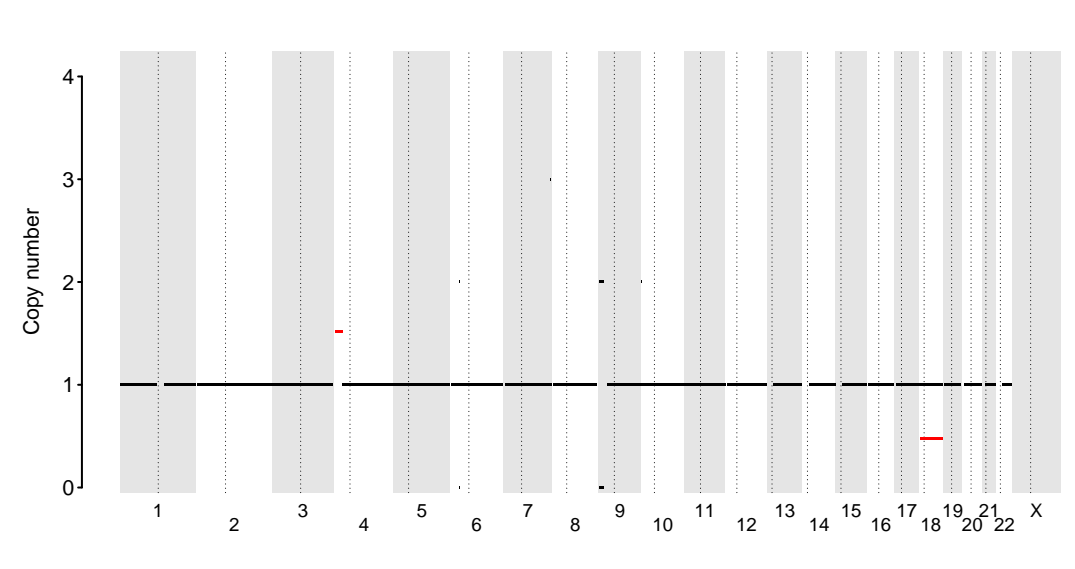
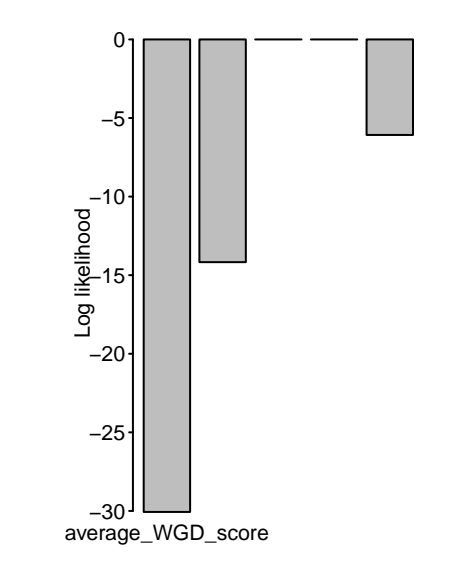
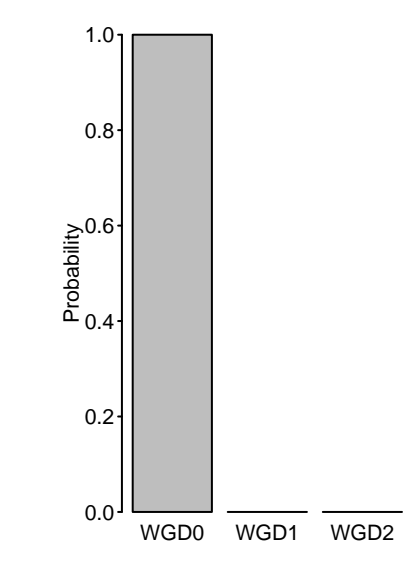
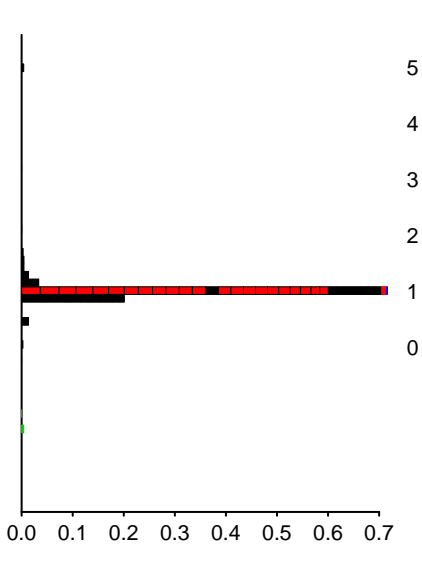
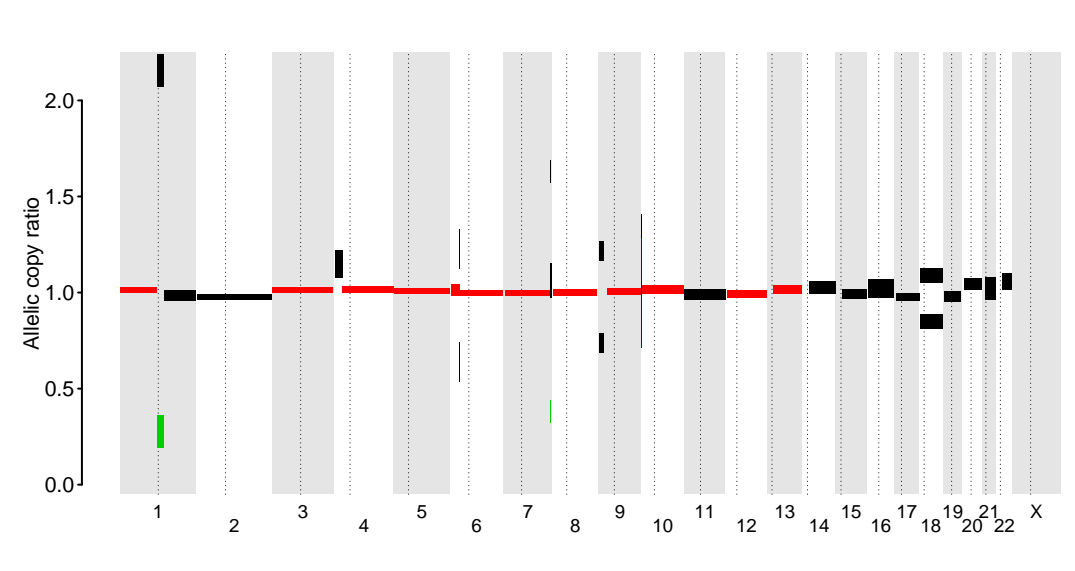
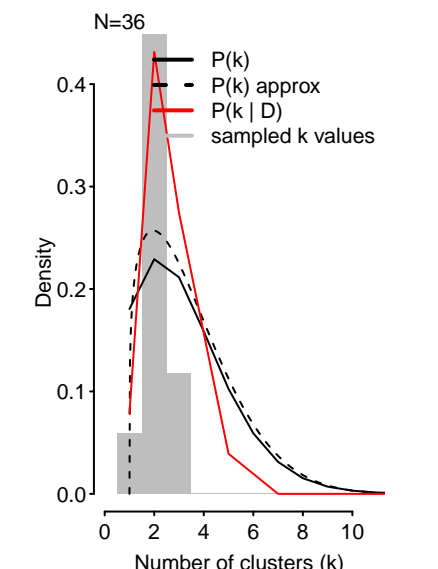
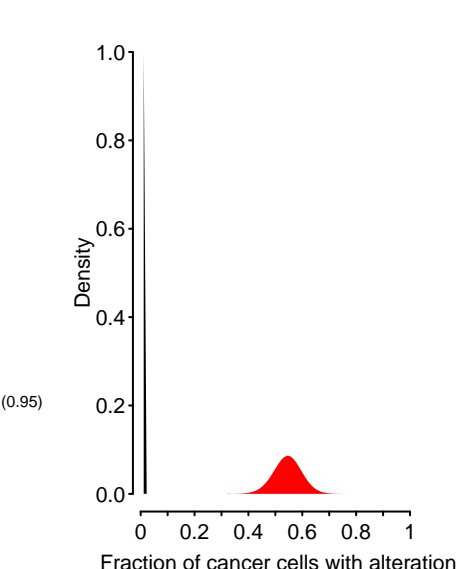
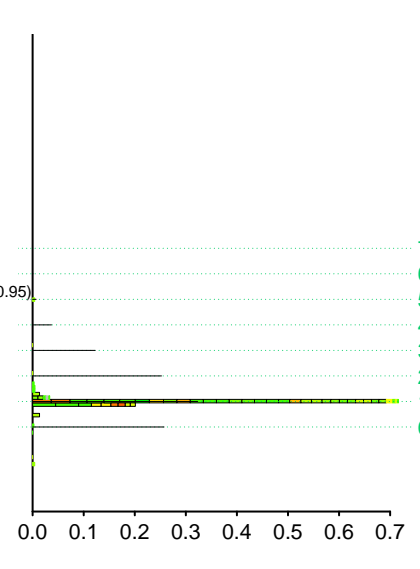
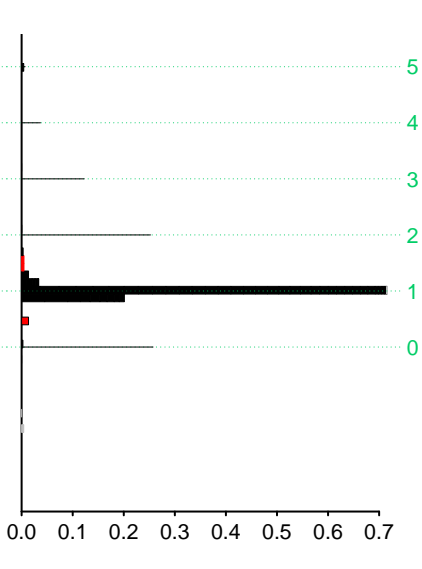
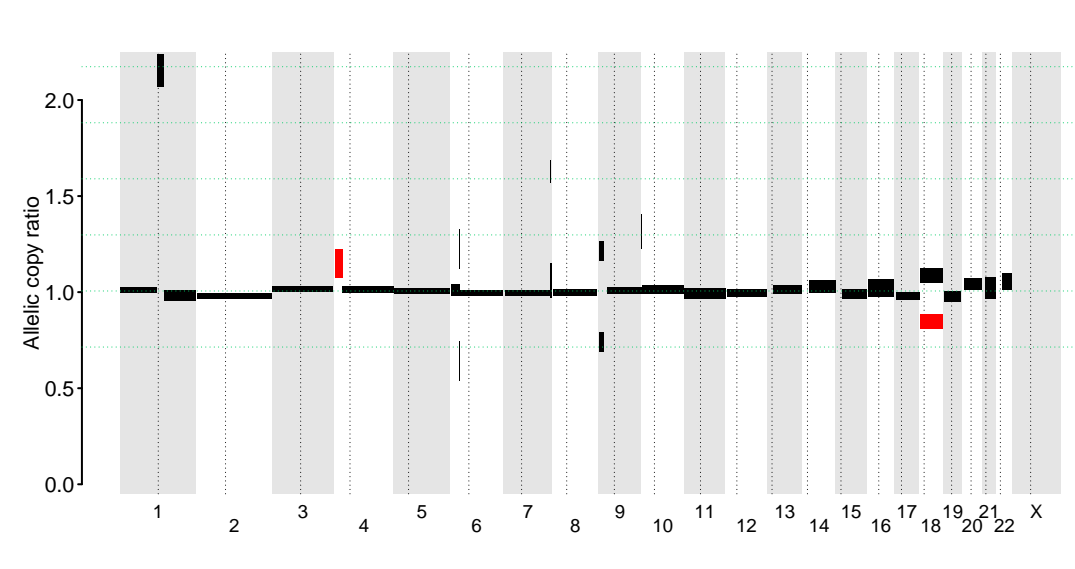
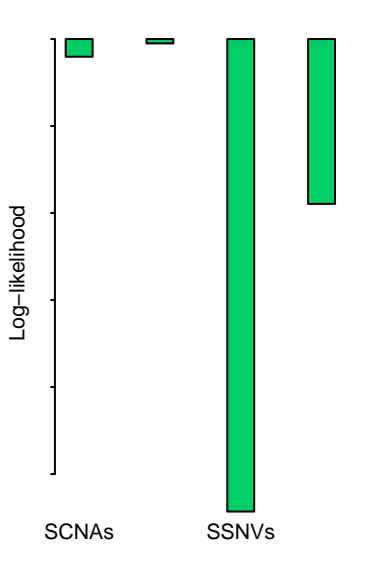
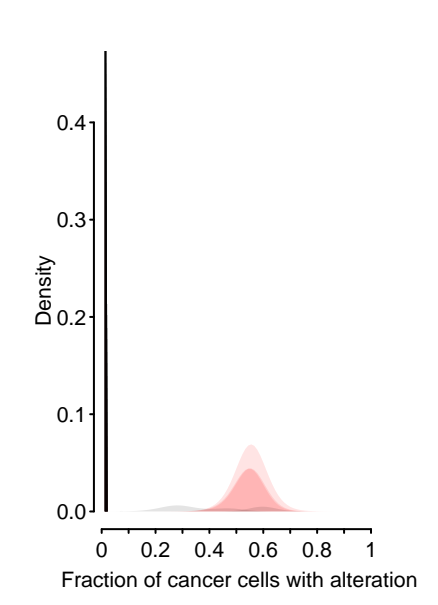
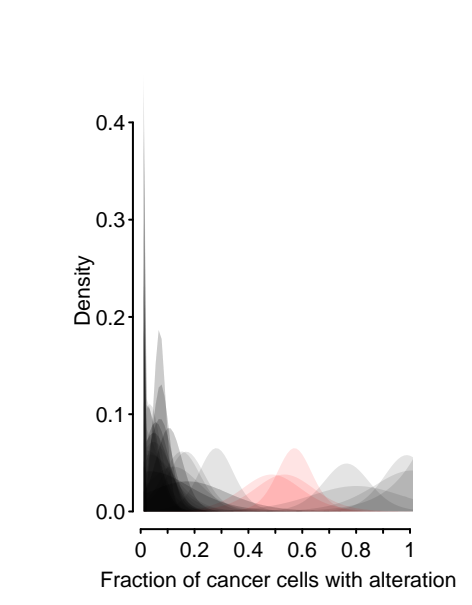
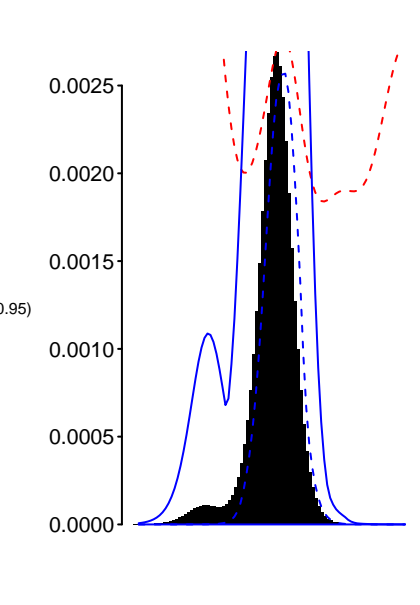
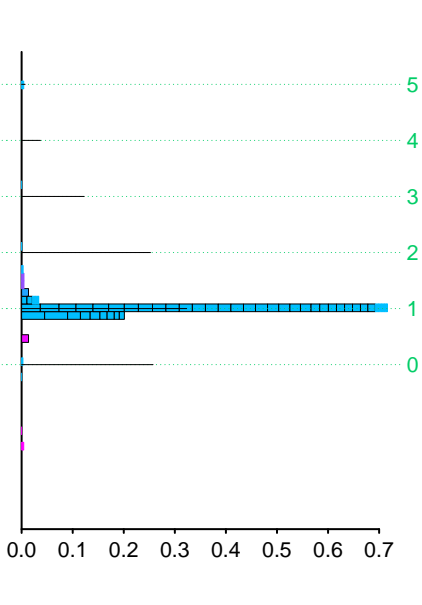
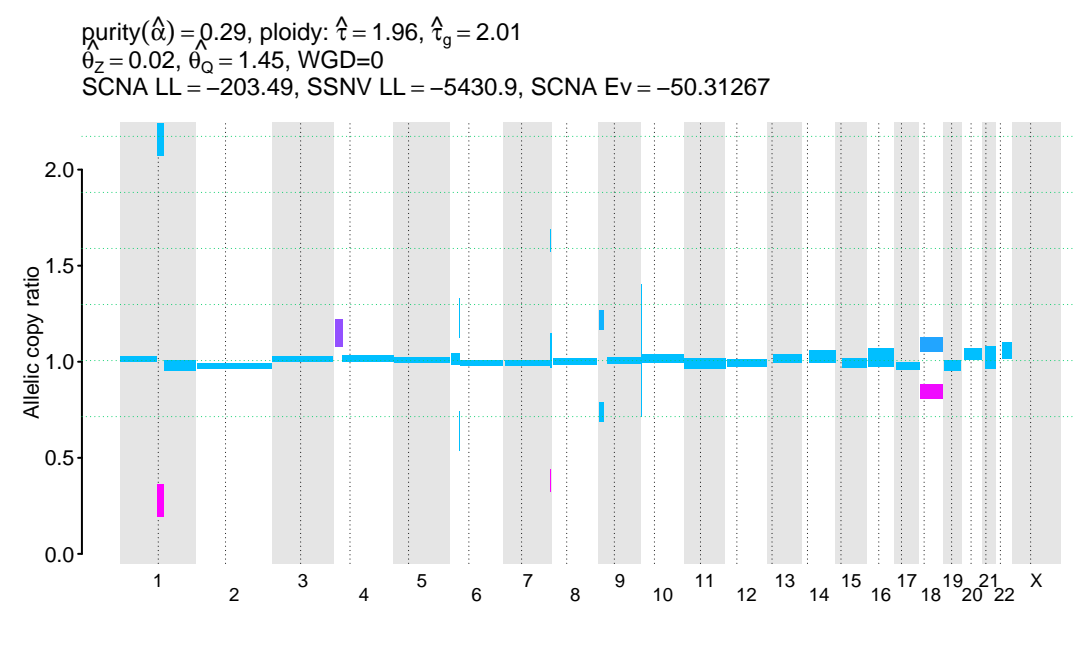
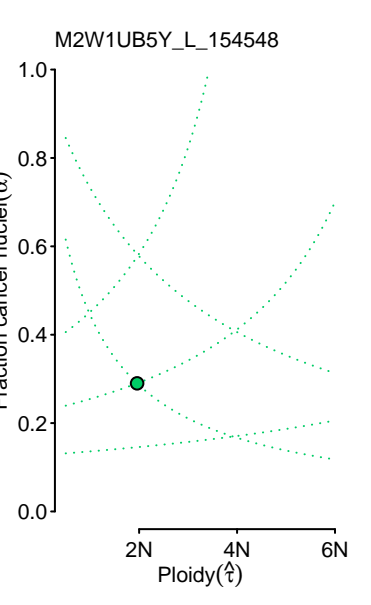
Sample 77



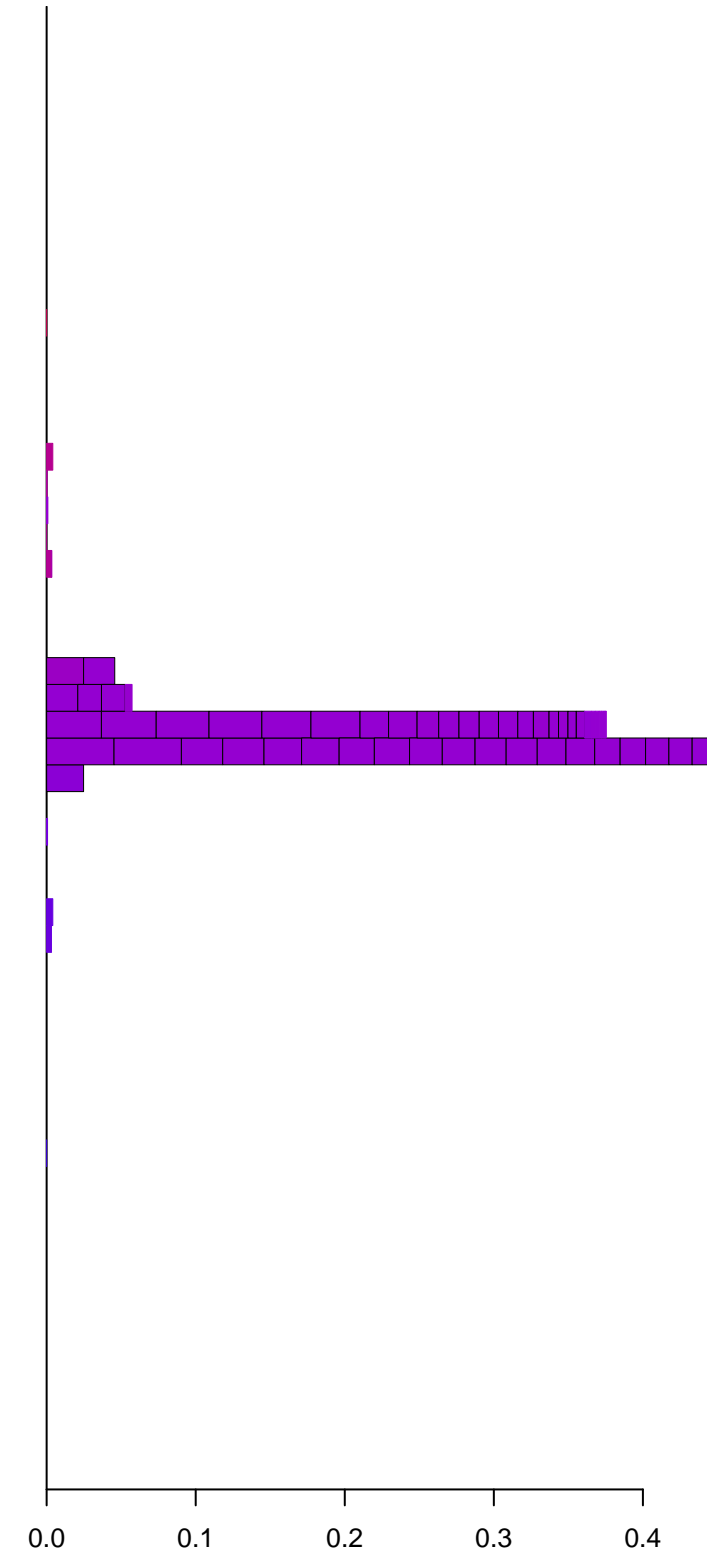
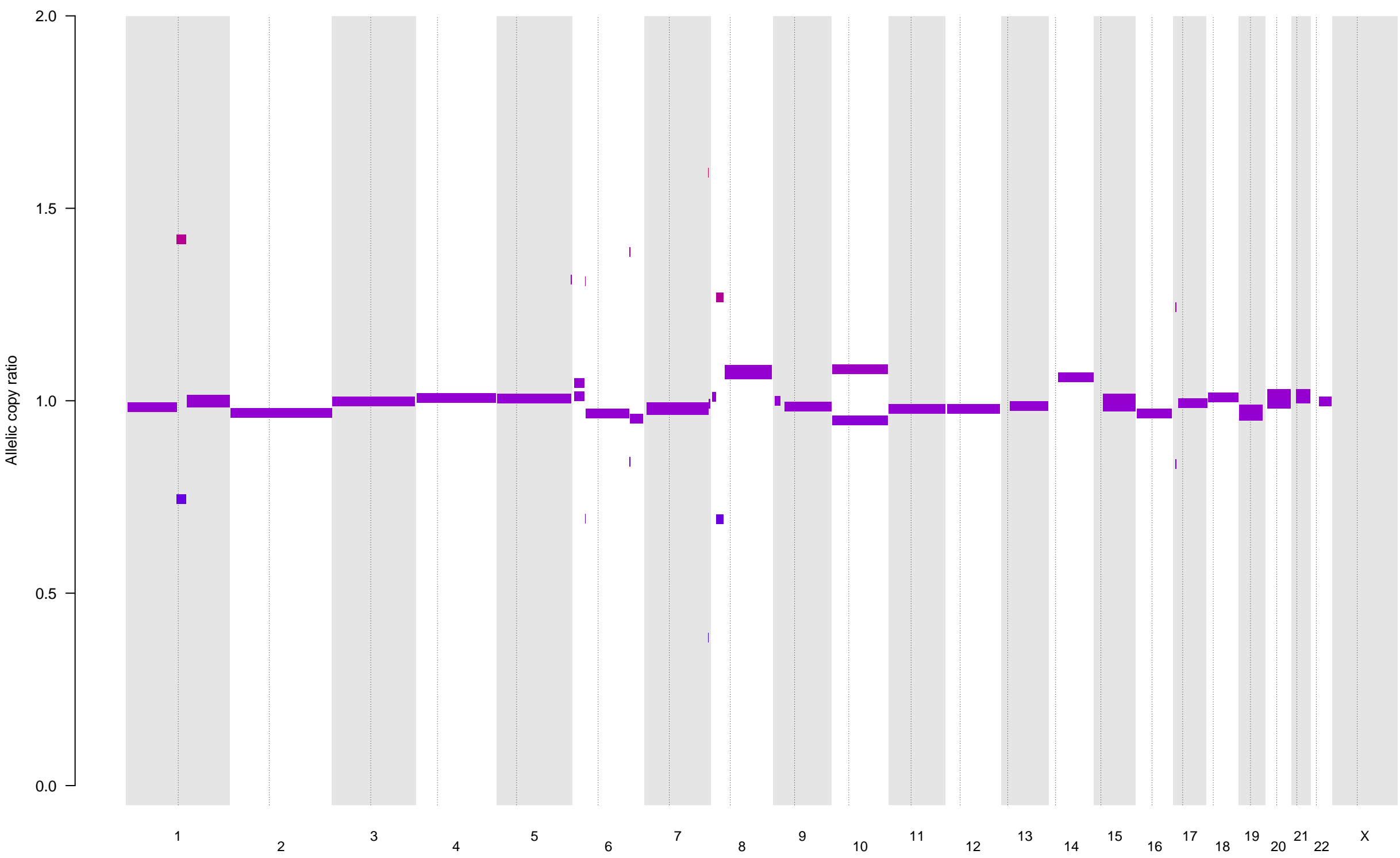


Sample 78

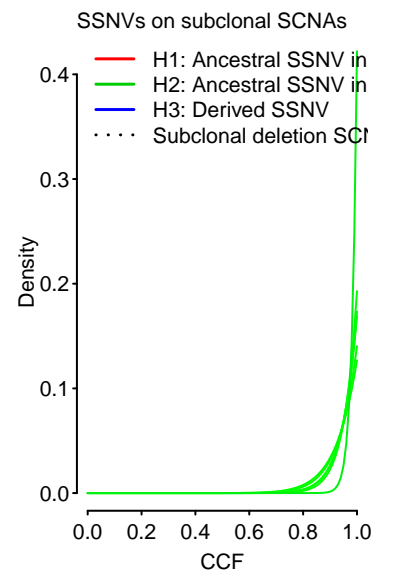
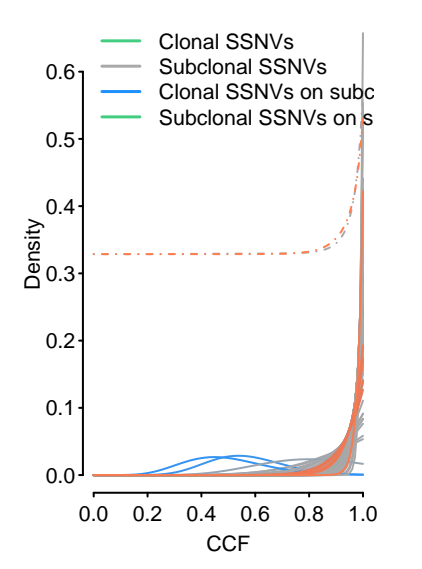
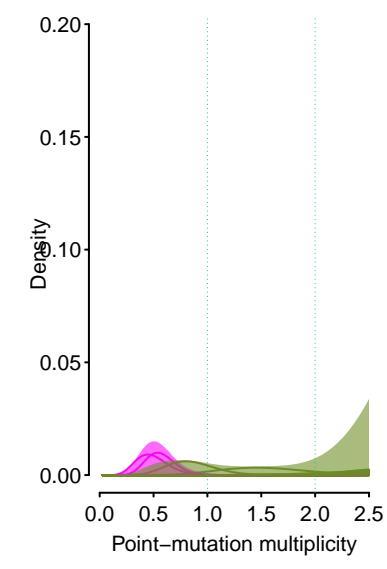
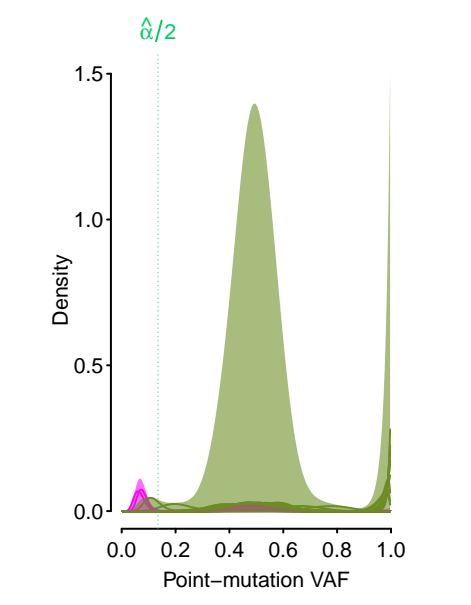
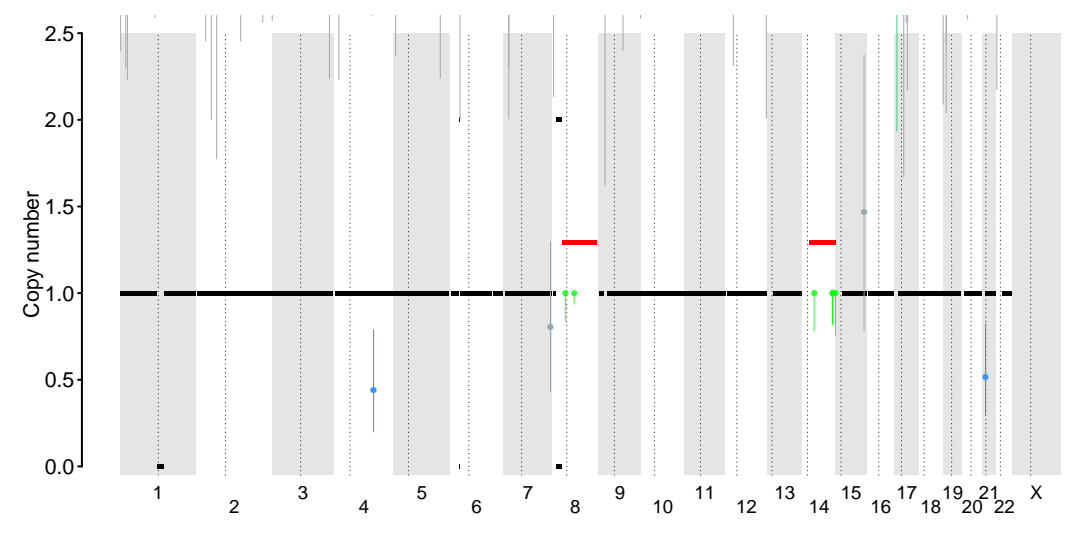
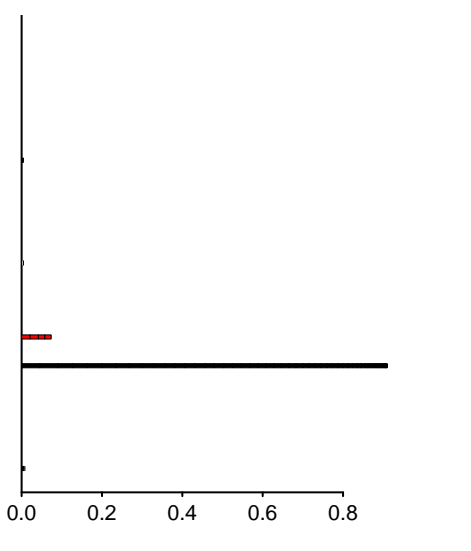
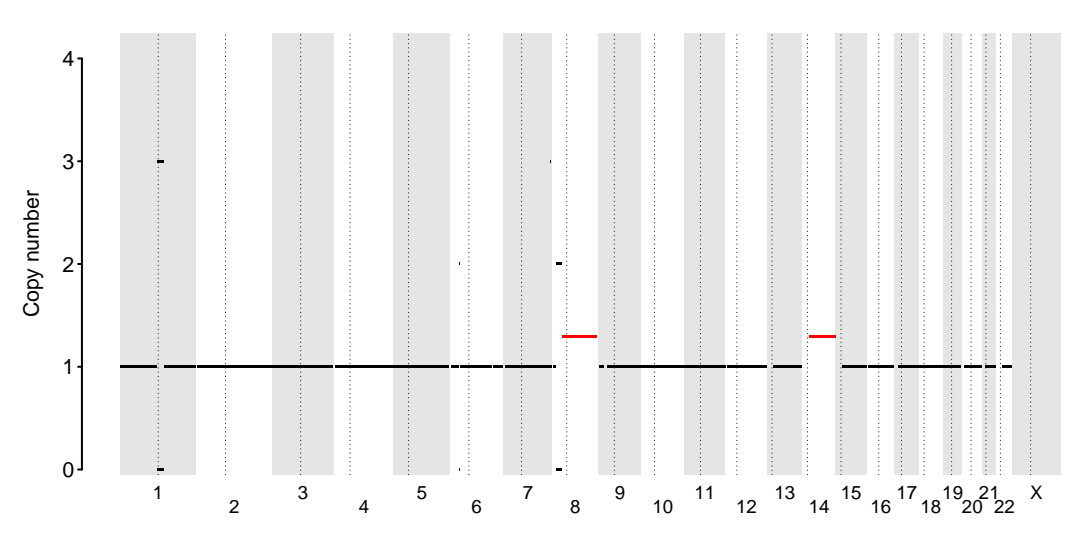
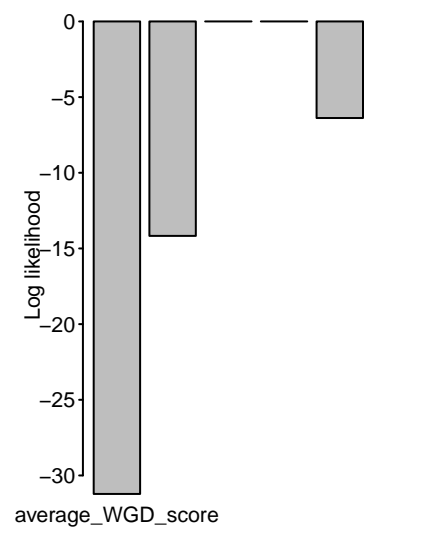
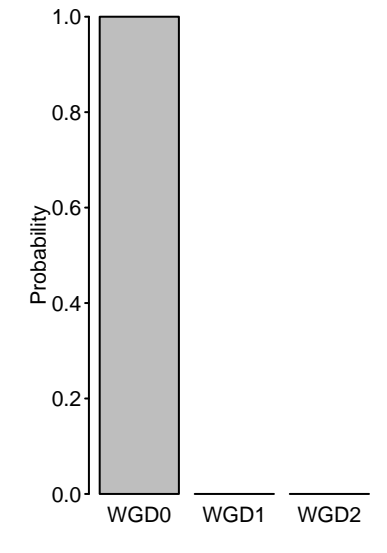
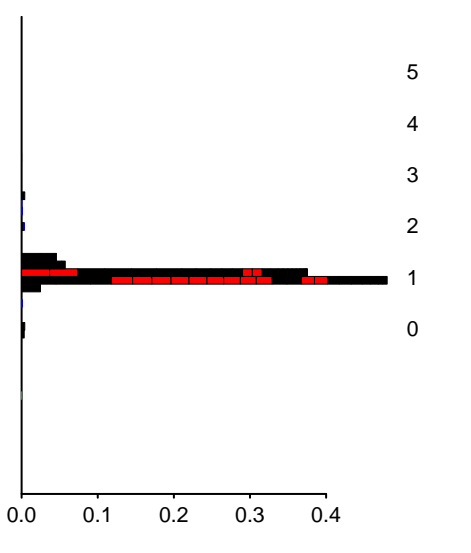
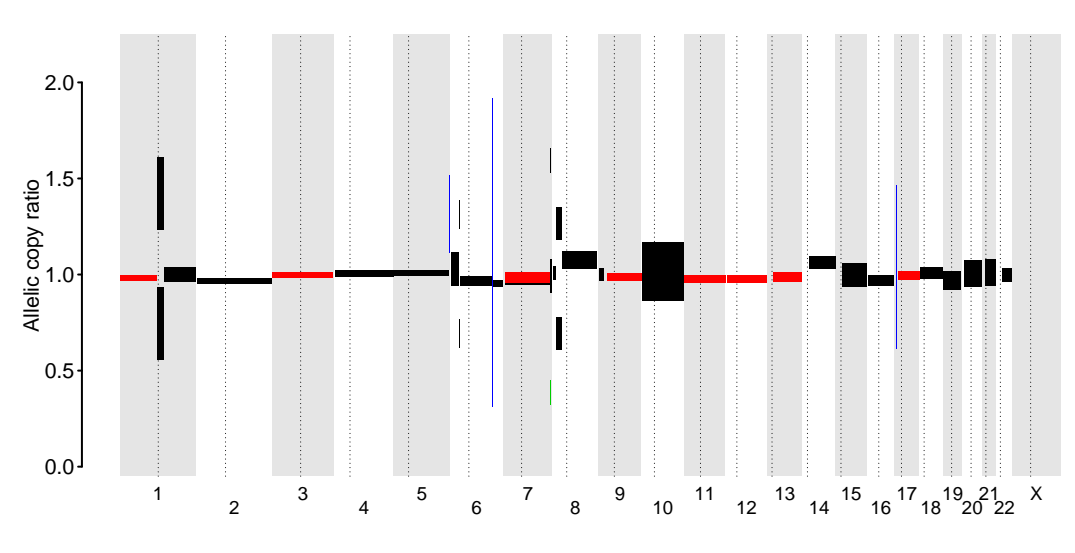
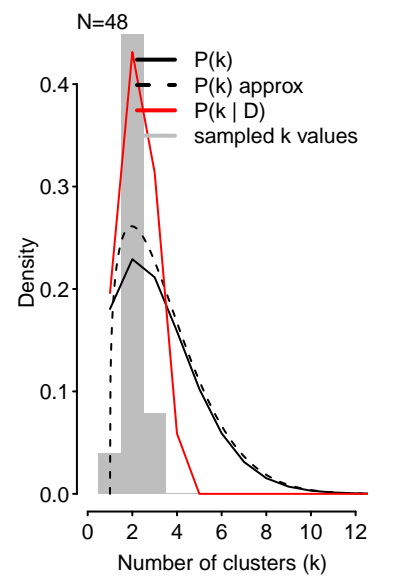
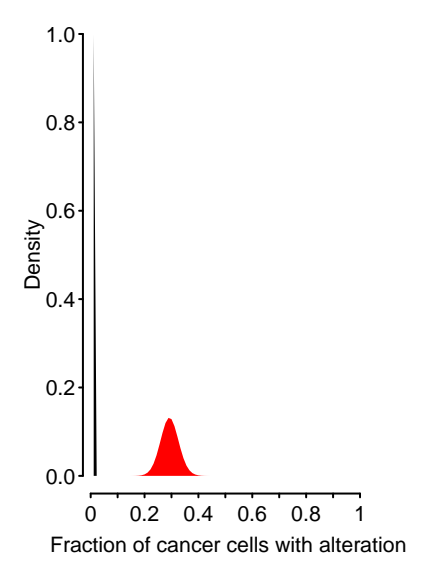
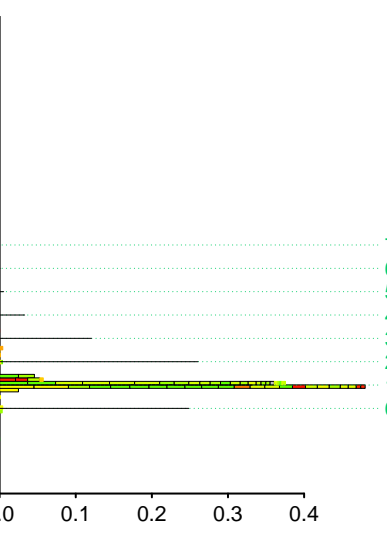
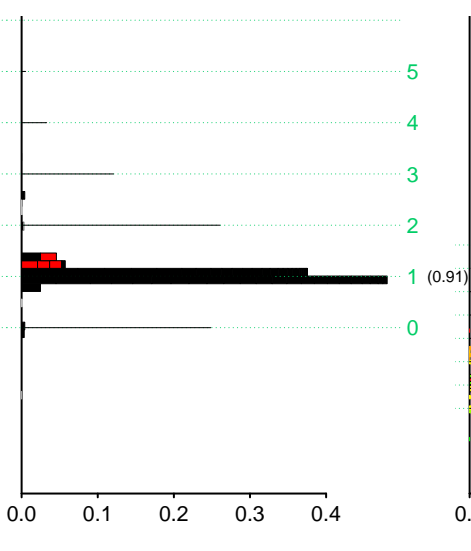
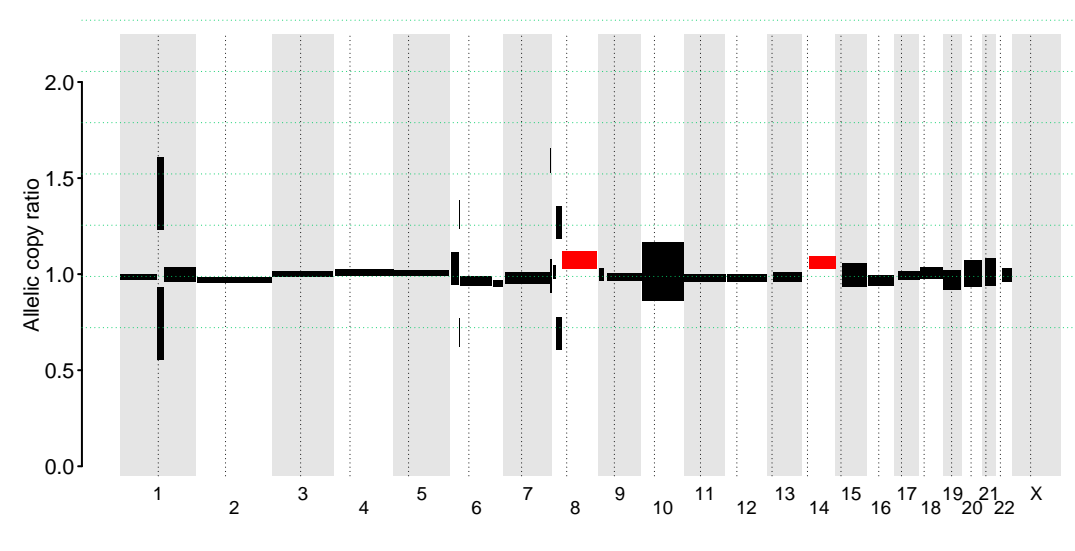
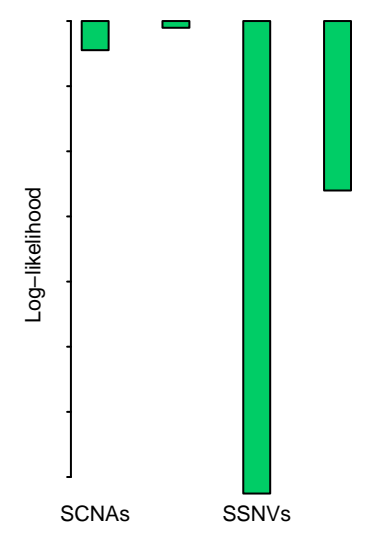
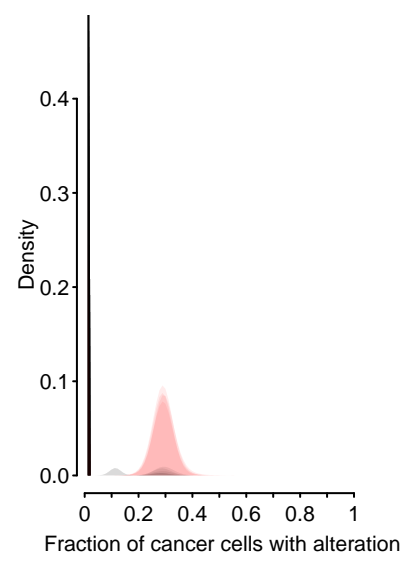
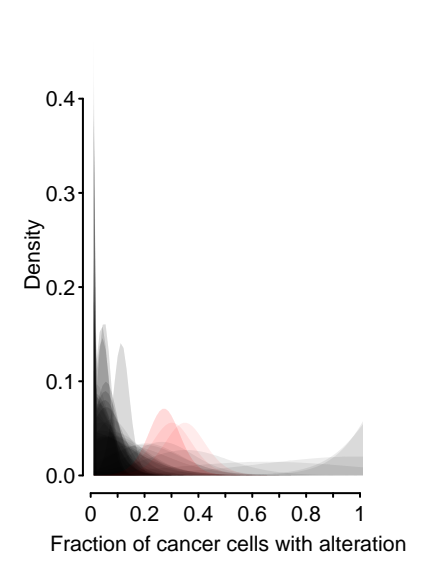
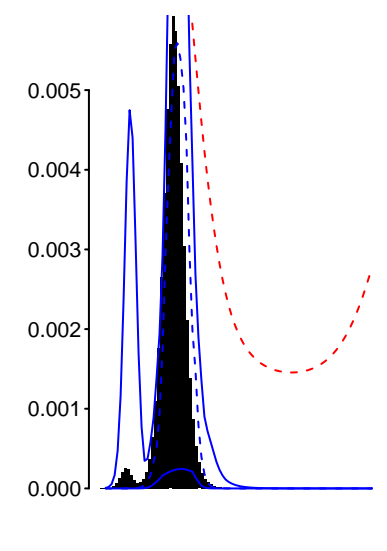
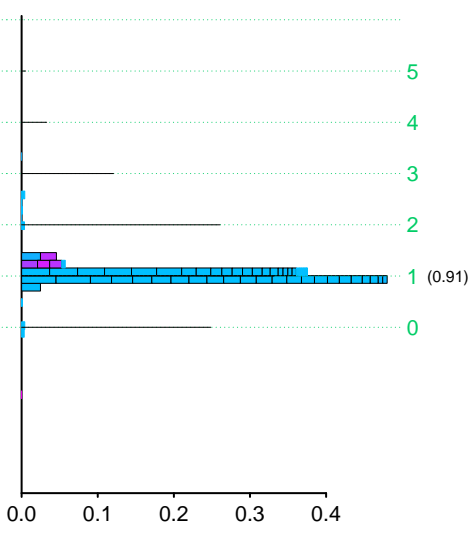
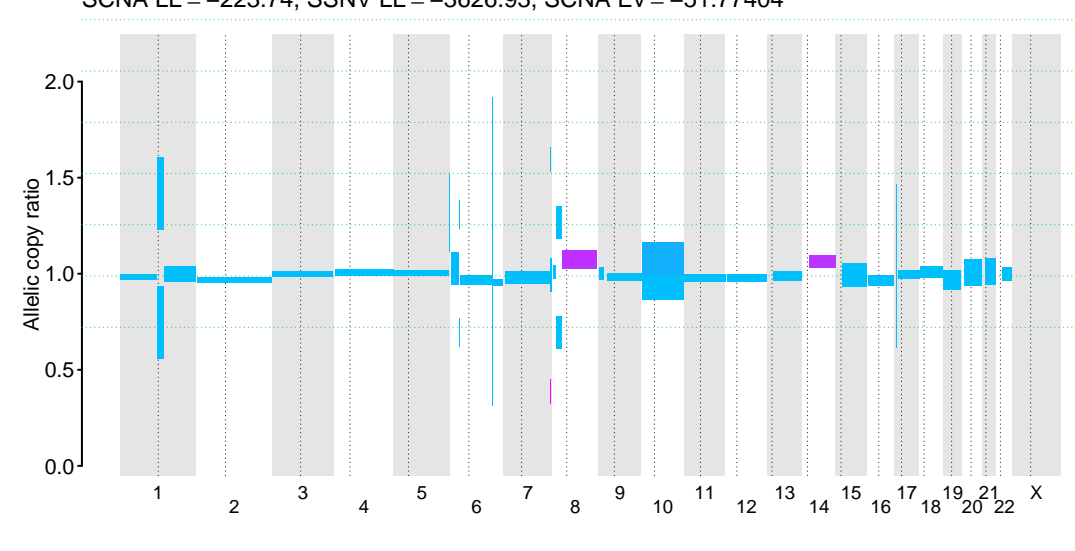
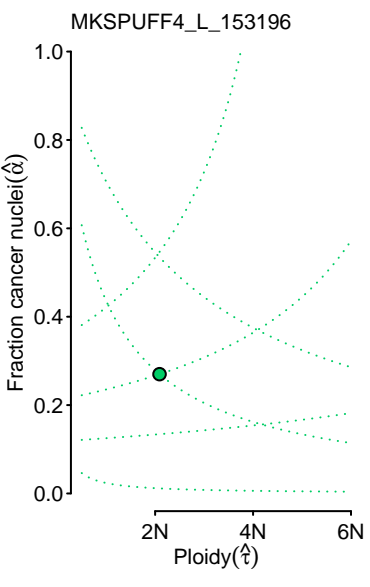




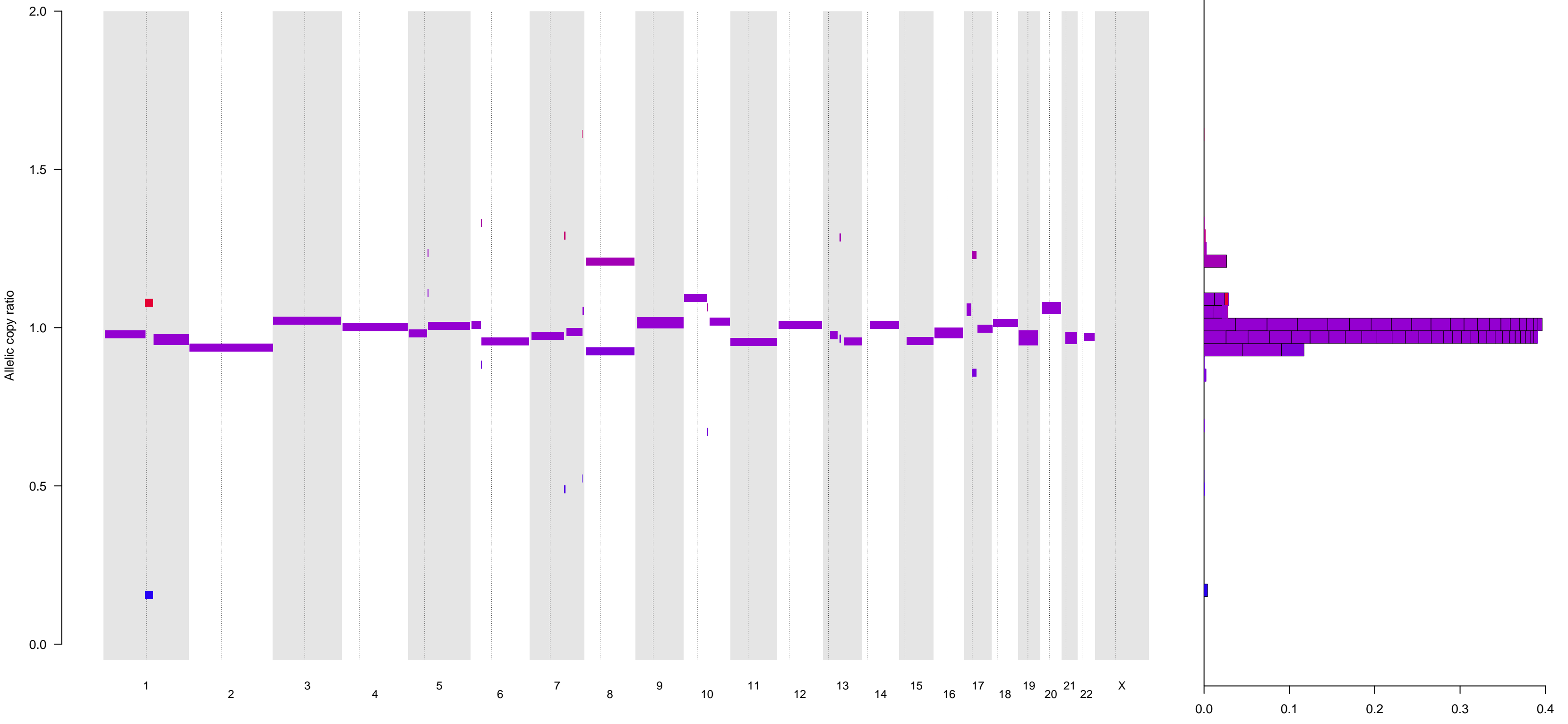
Sample 79



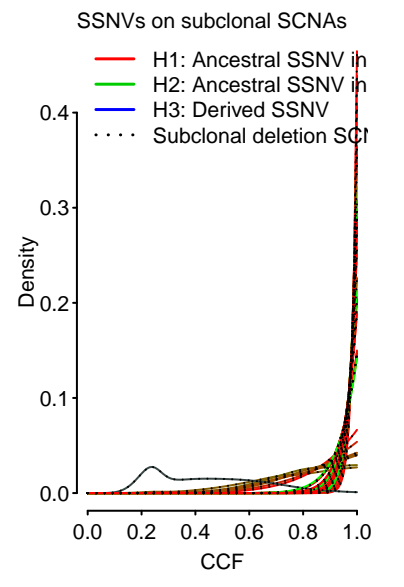
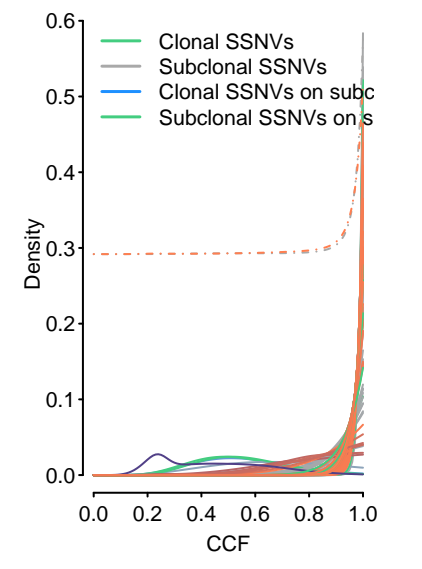
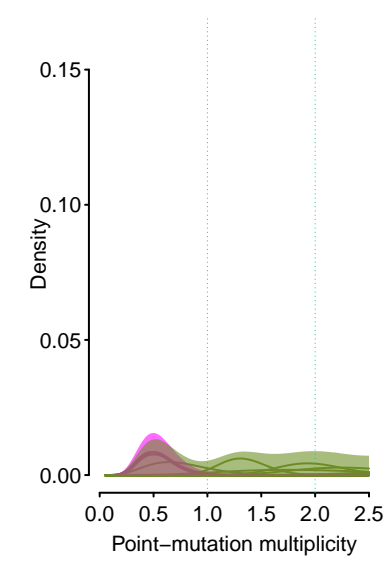
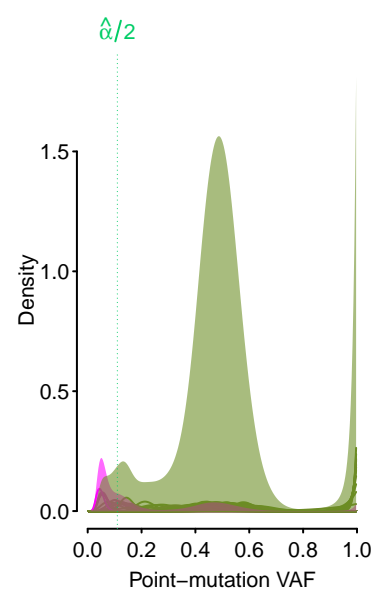
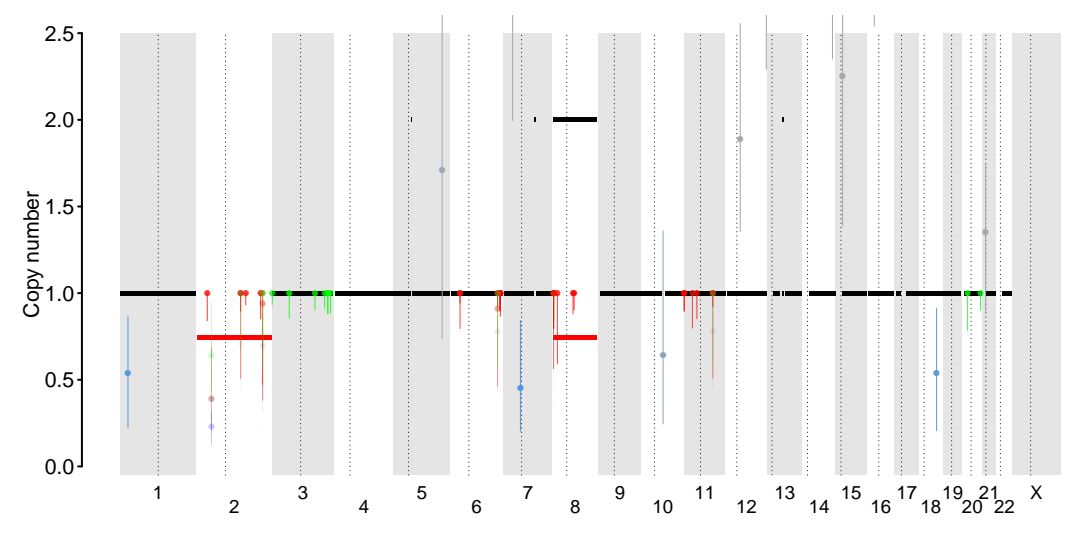
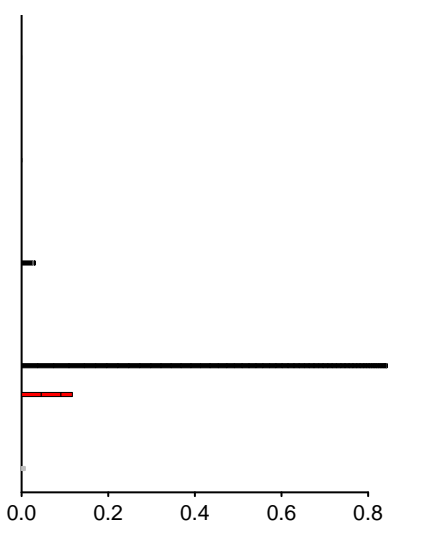
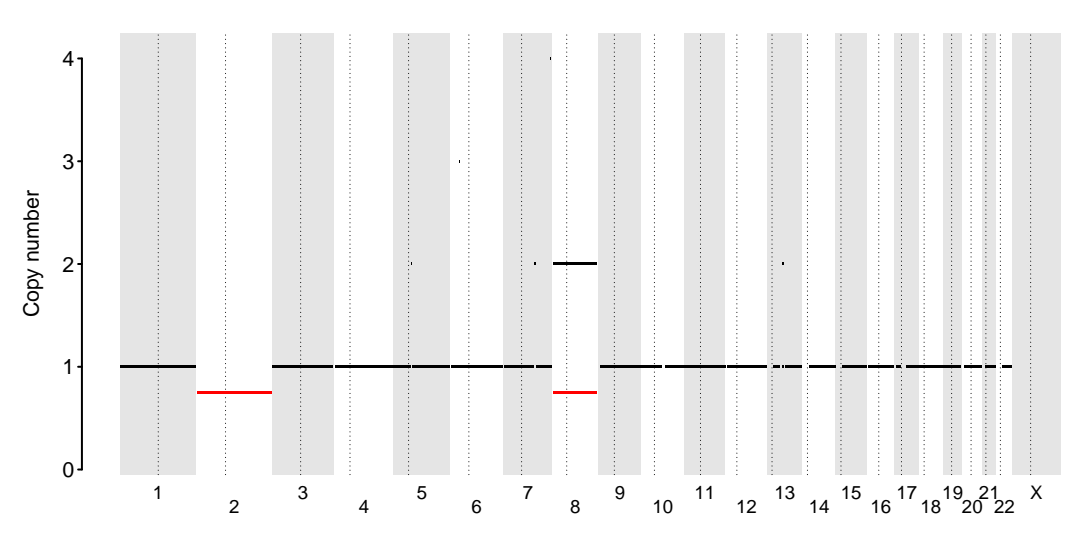
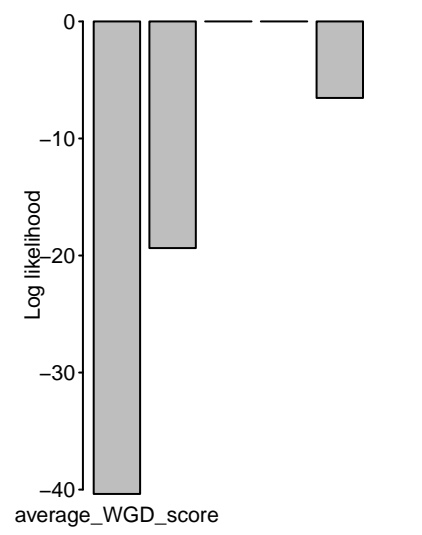
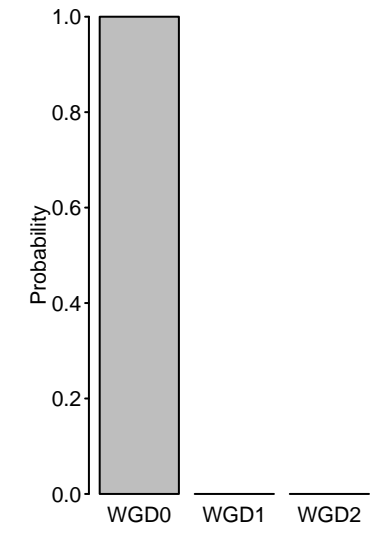
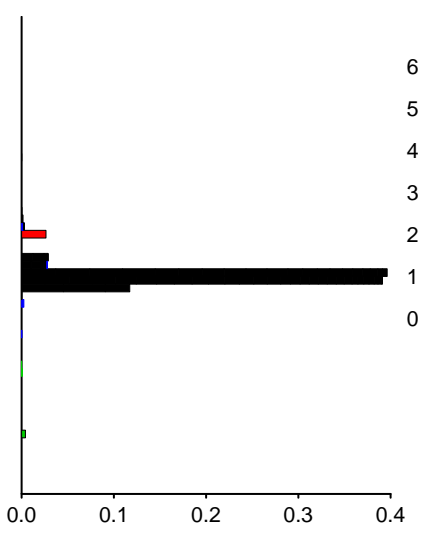
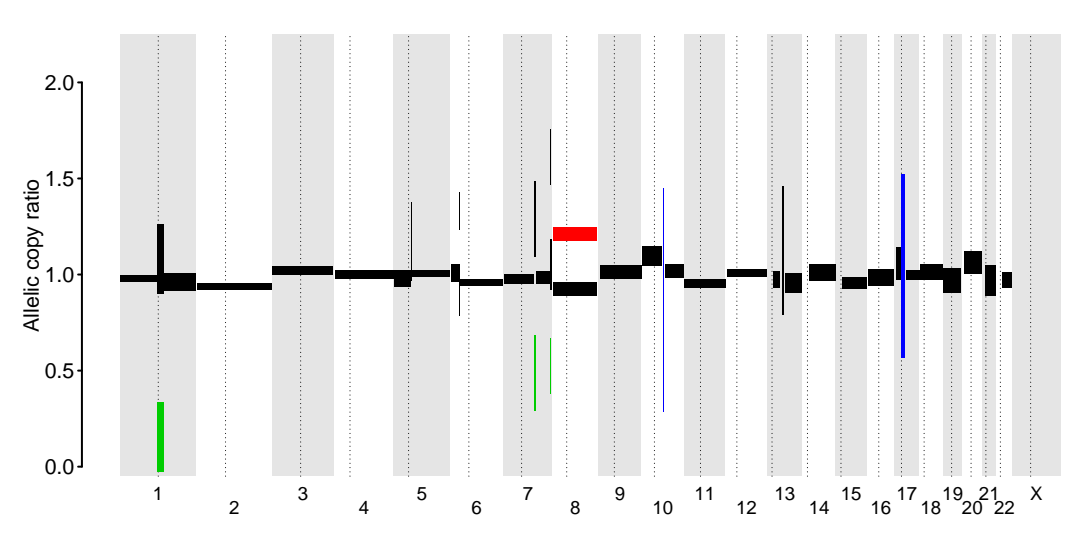
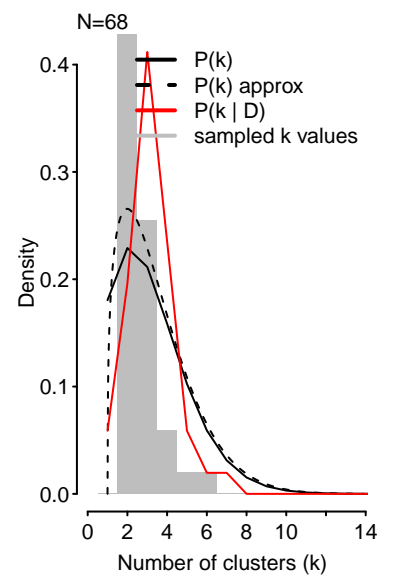
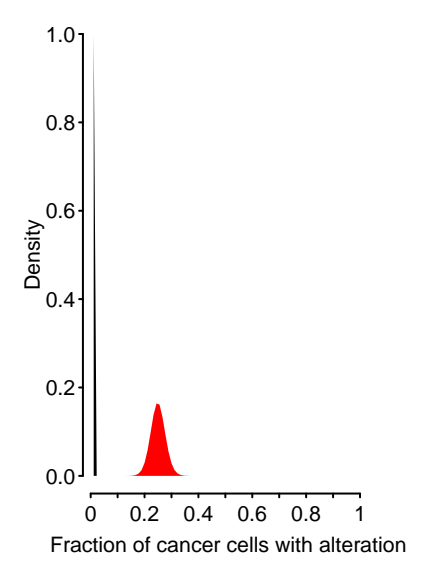
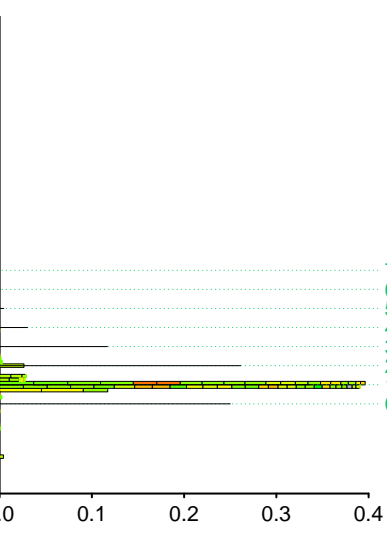
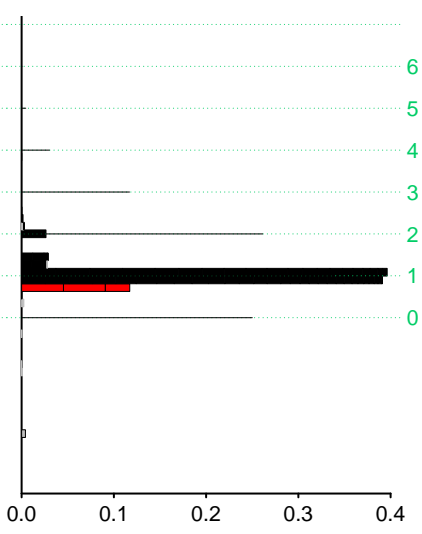
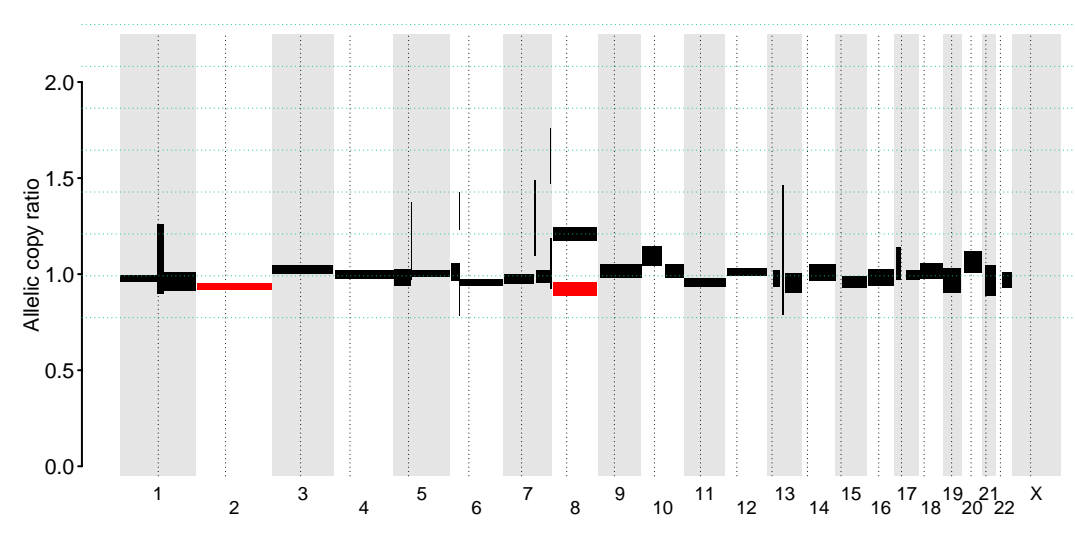
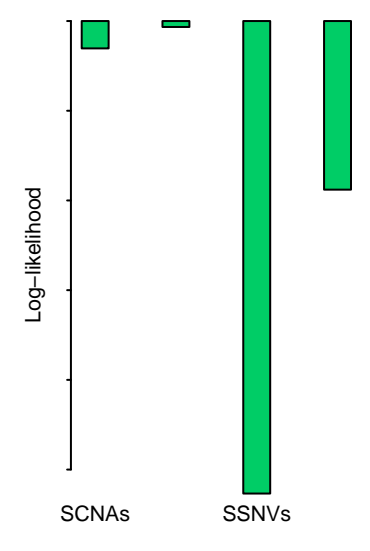
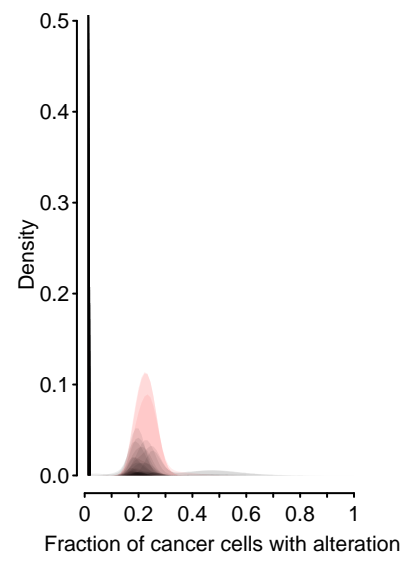
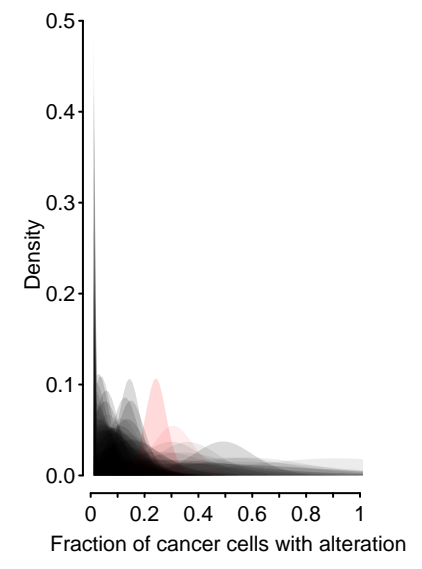
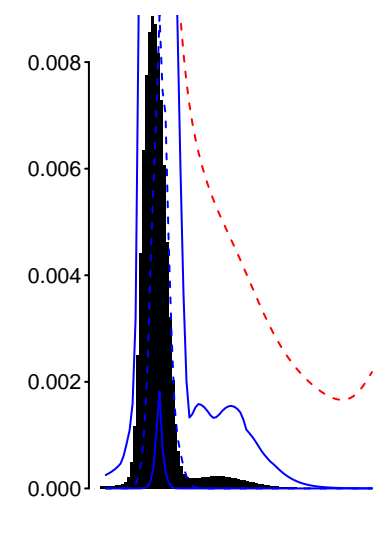
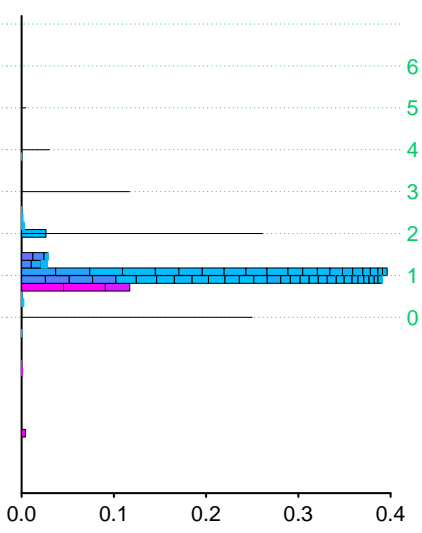
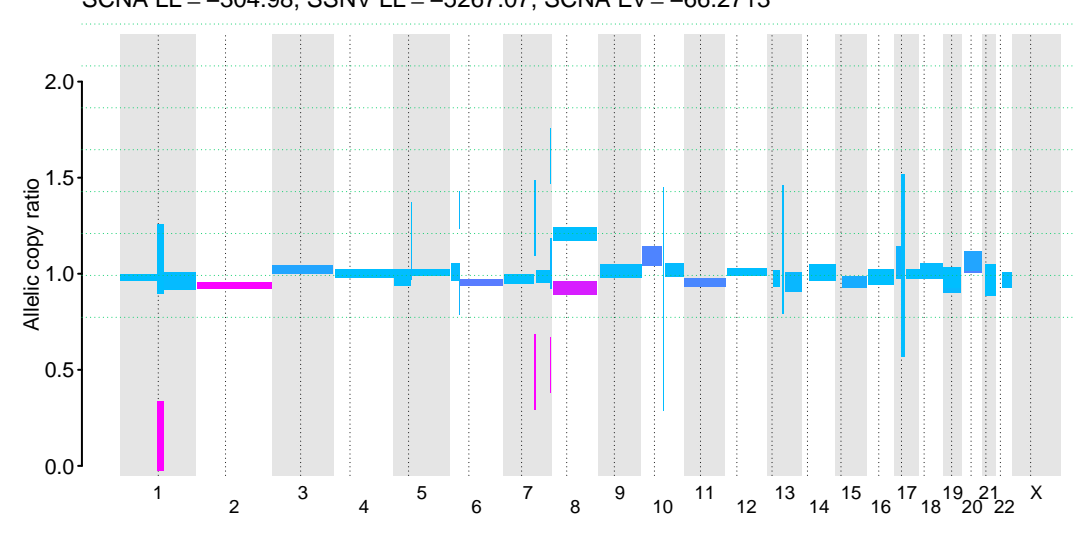
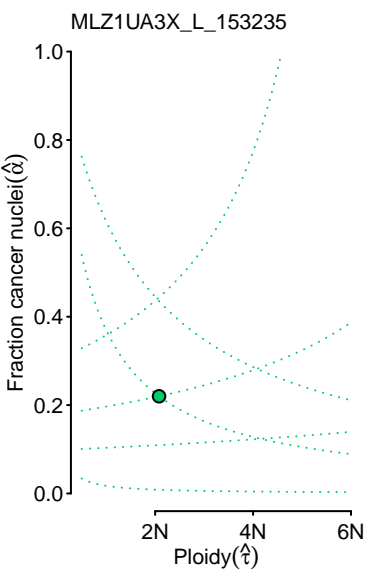
$\hat{\alpha} = 0.27$, ploidy: $\hat{\tau} = 2.09$, $\hat{\tau}_g = 2.01$
 $\theta_z = 0.06$, $\theta_G = 1.375$, WGD=0
 SCNA LL = -223.74, SSNV LL = -3626.93, SCNA Ev = -51.77404



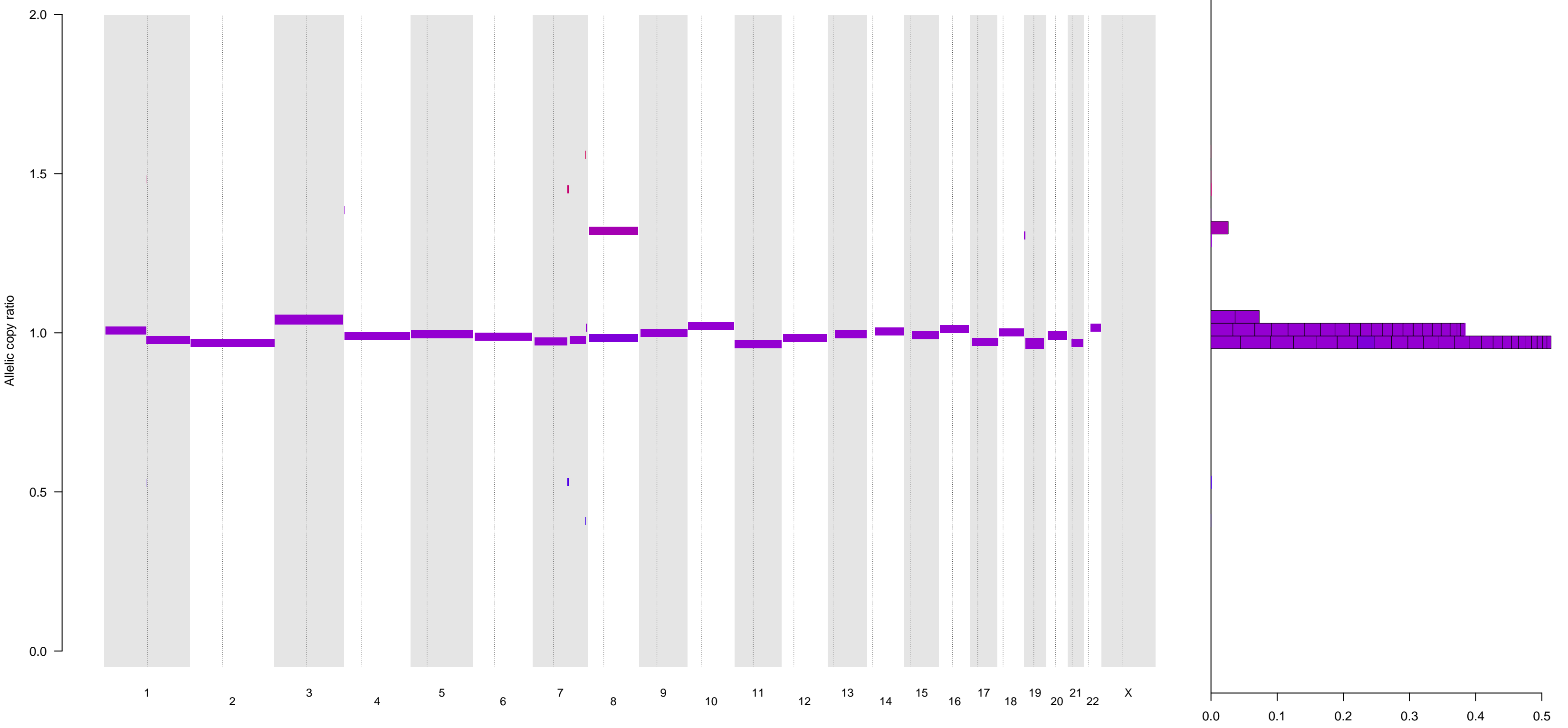
Sample 81

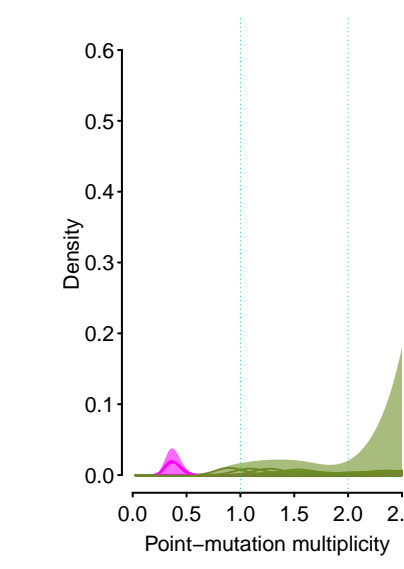
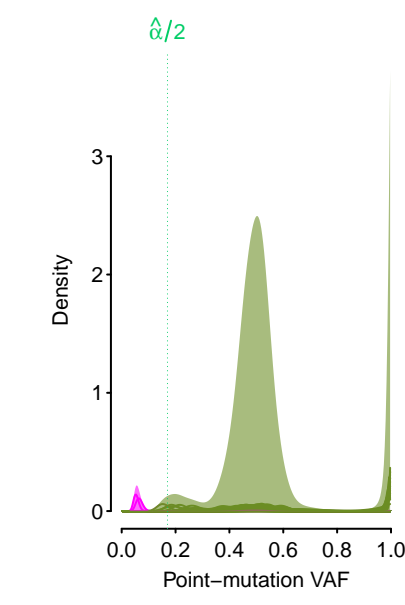
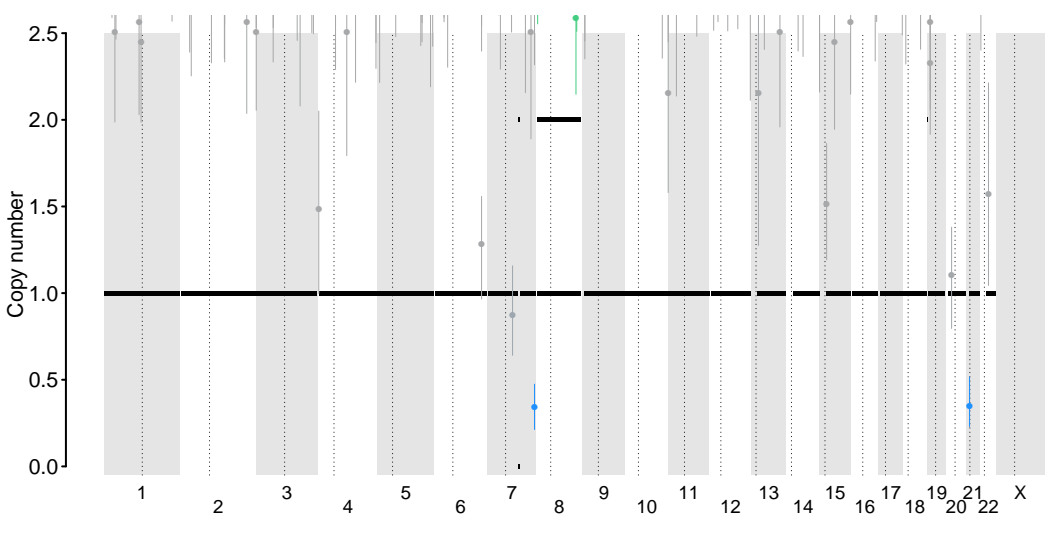
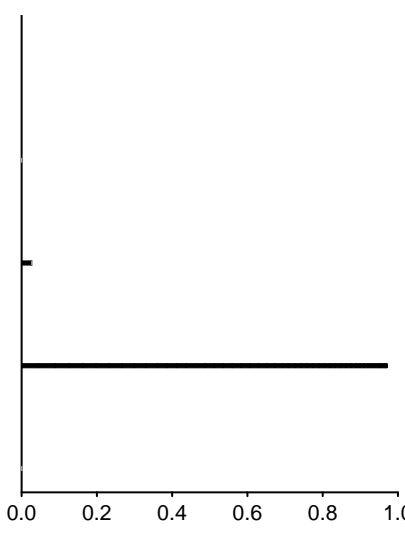
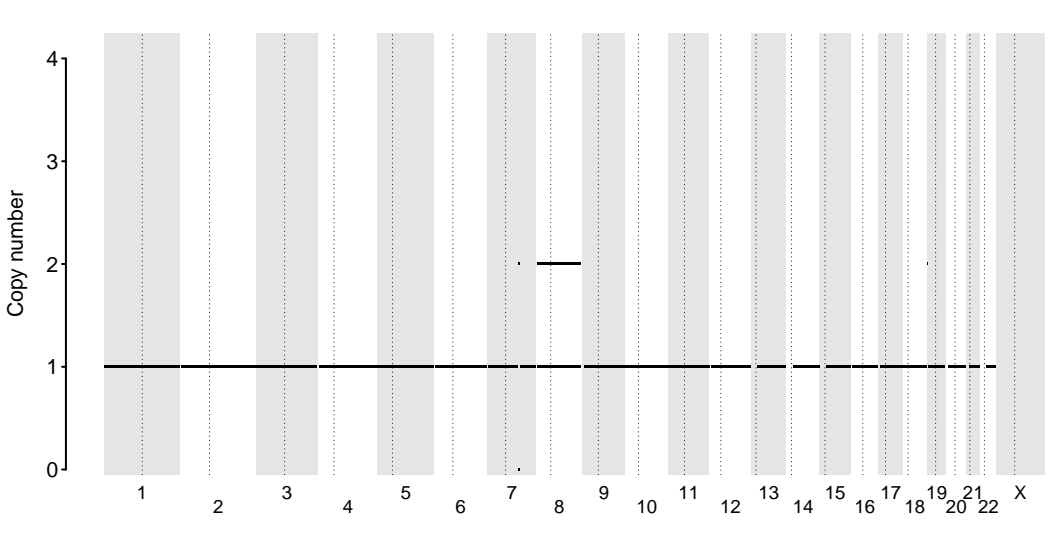
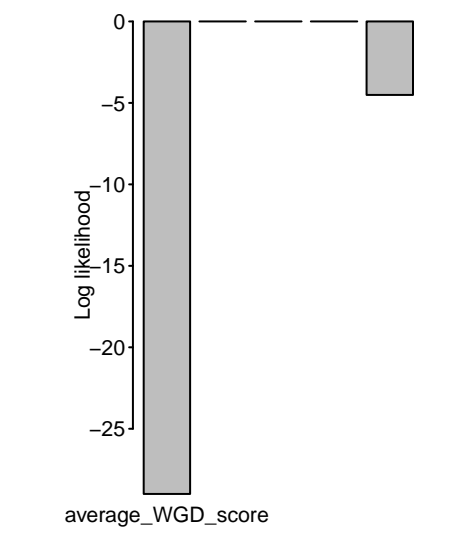
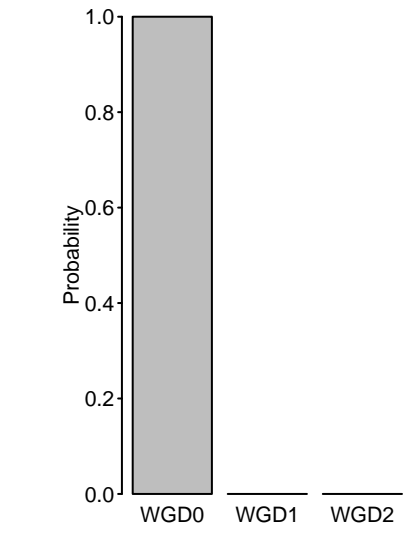
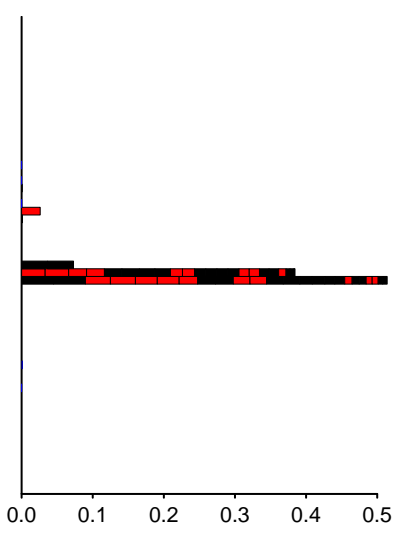
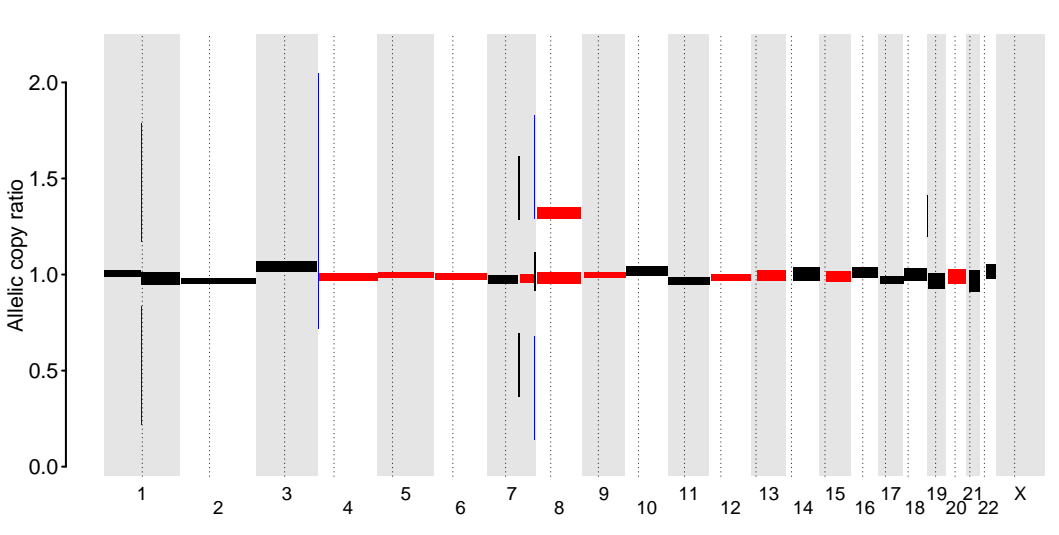
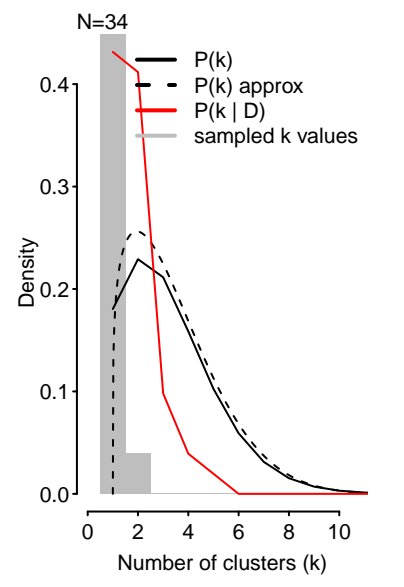
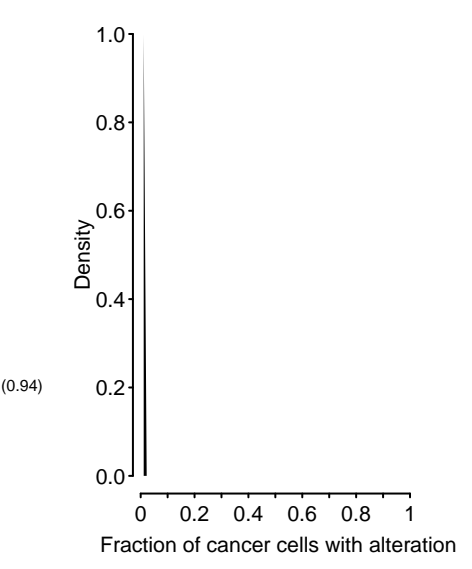
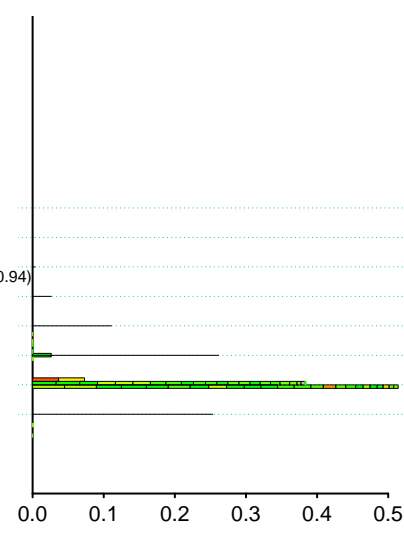
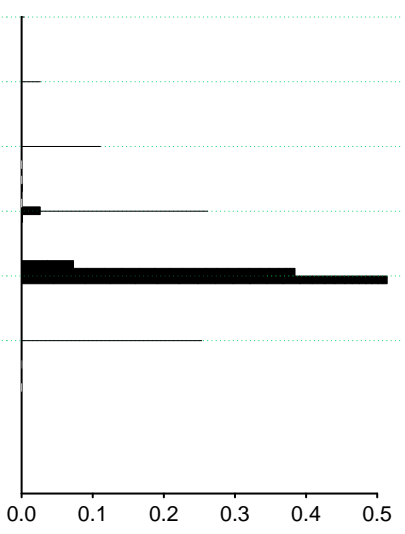
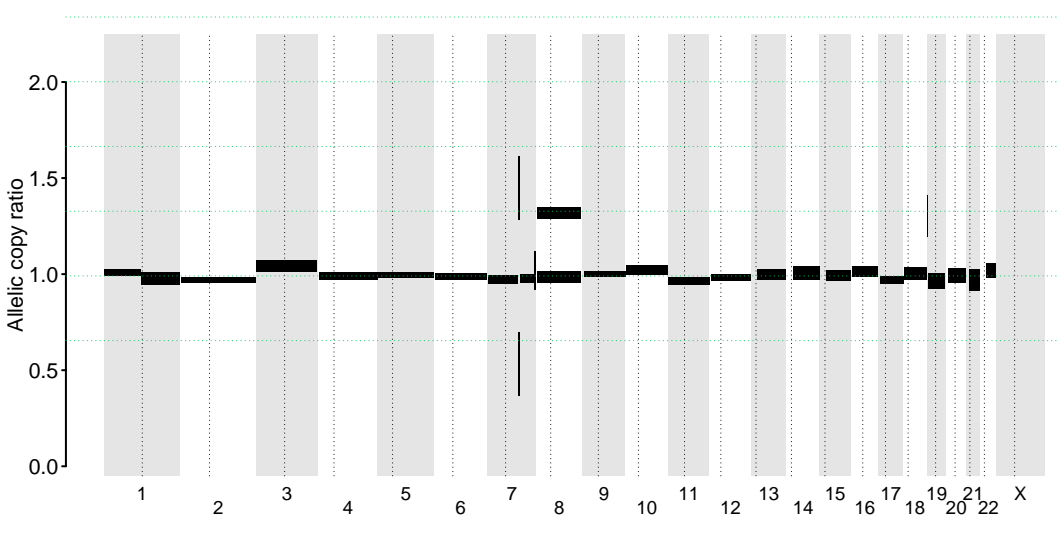
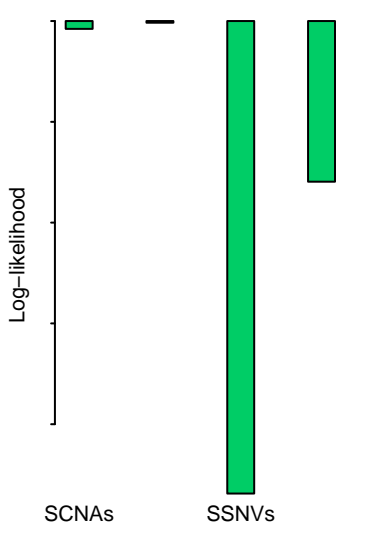
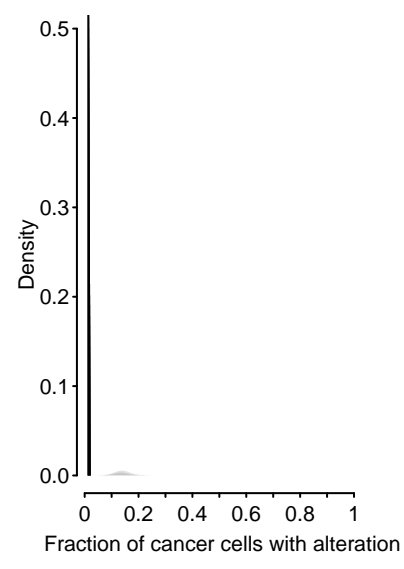
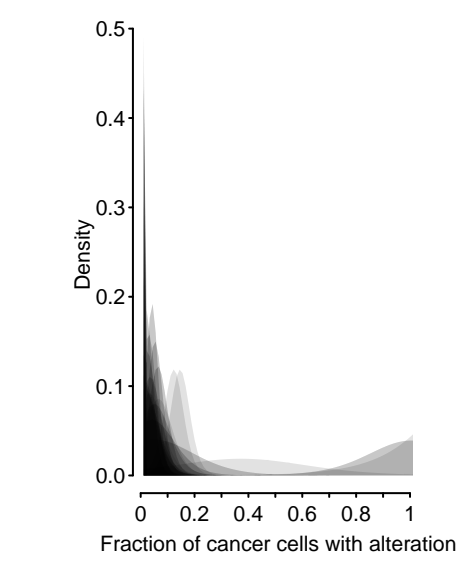
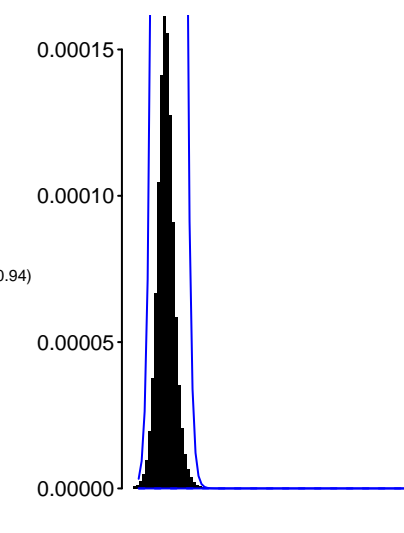
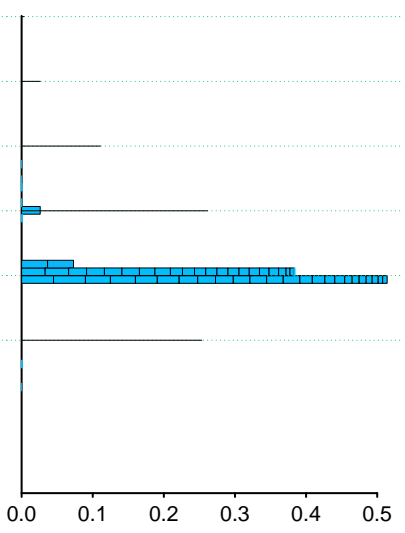
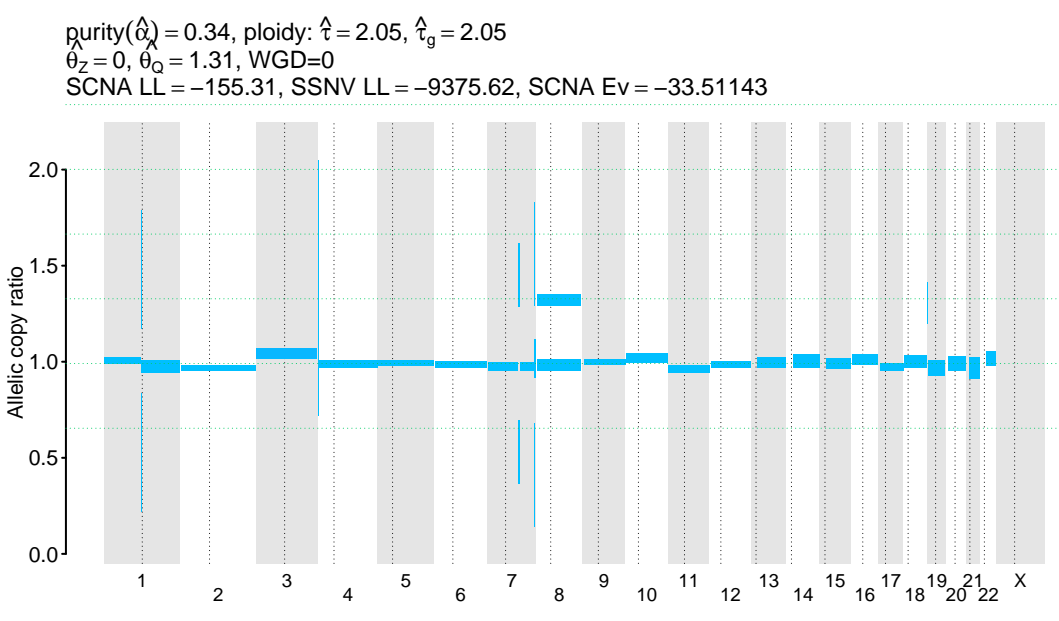
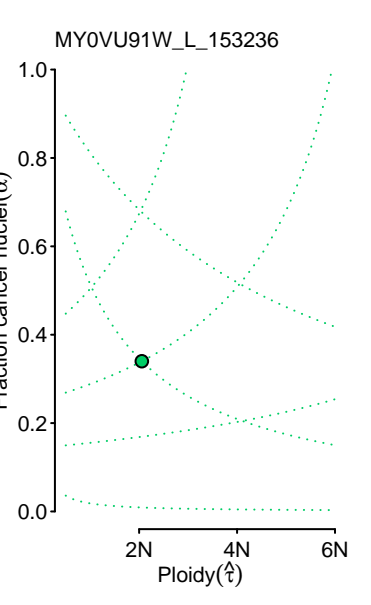


$\hat{\alpha} = 0.22$, purity: $\hat{\alpha} = 2.08$, $\hat{\alpha}_g = 2.07$
 $\theta_z = 0.18$, $\theta_Q = 1.348$, WGD=0
 SCNA LL = -304.98, SSNV LL = -5267.07, SCNA Ev = -66.2713

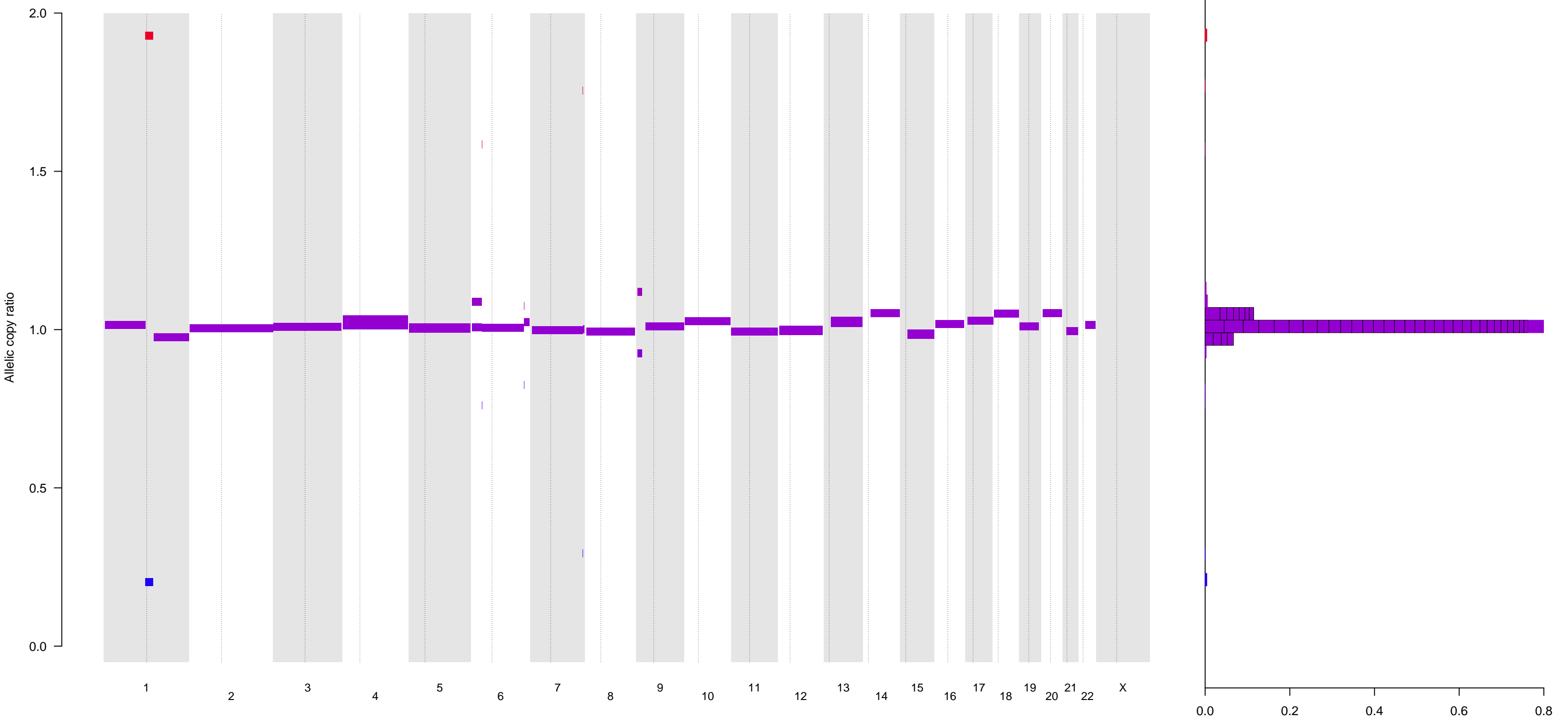


Sample 82

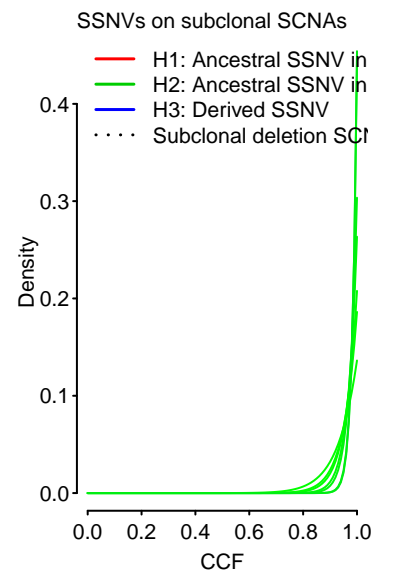
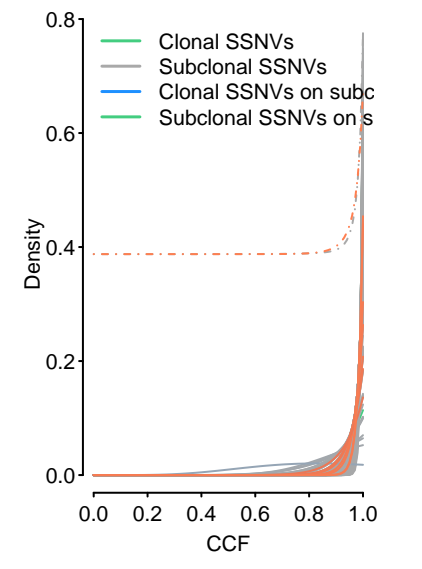
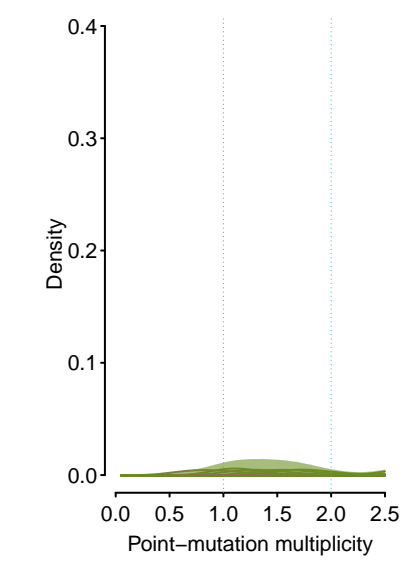
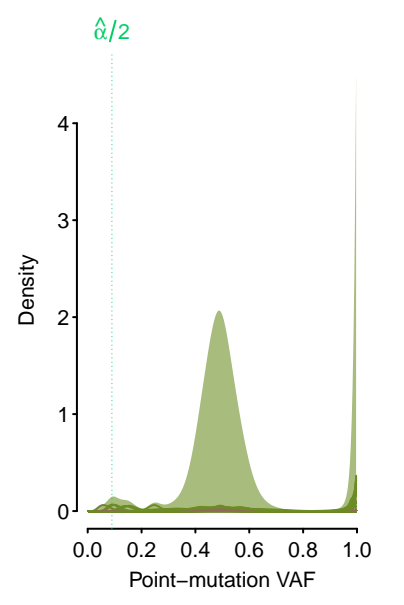
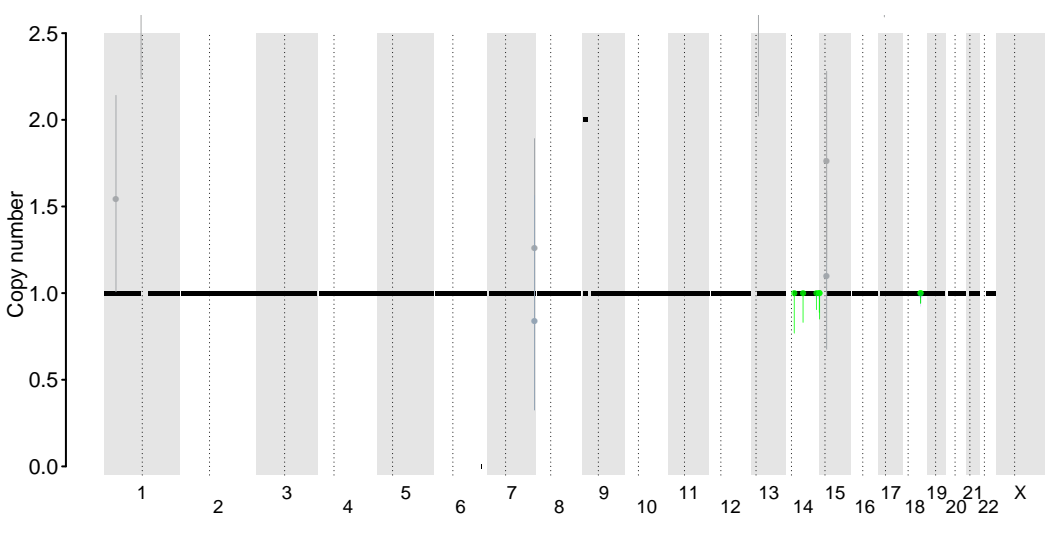
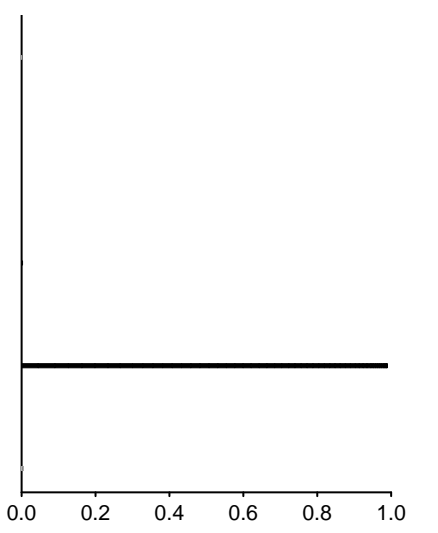
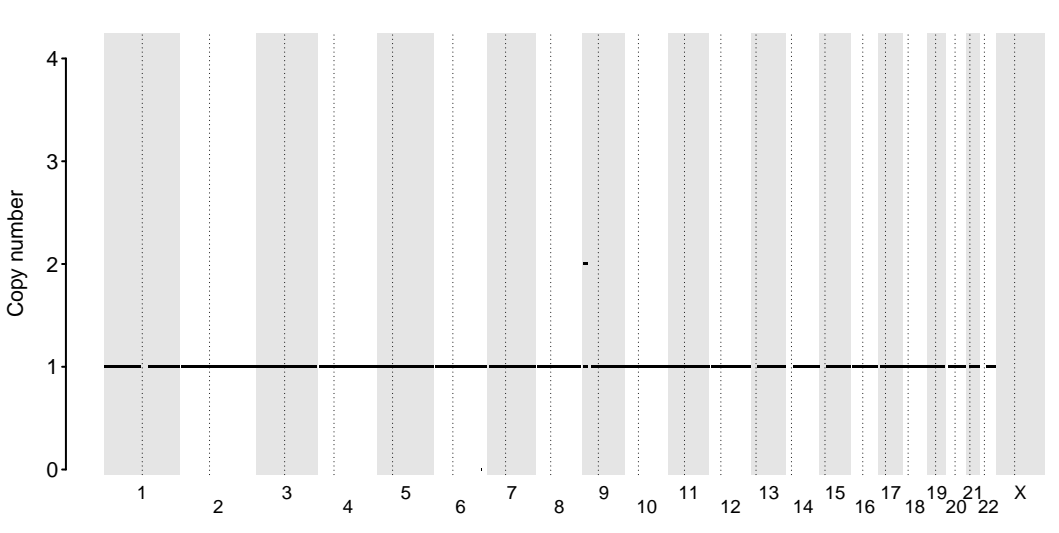
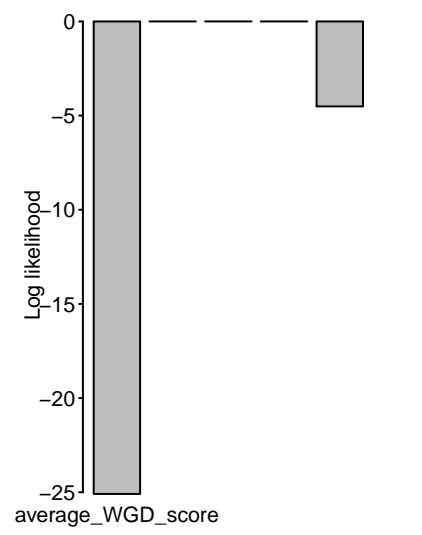
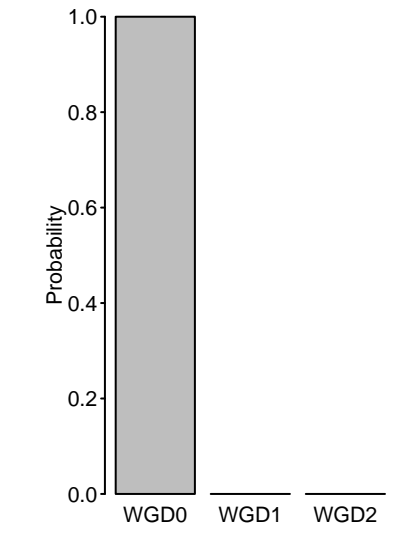
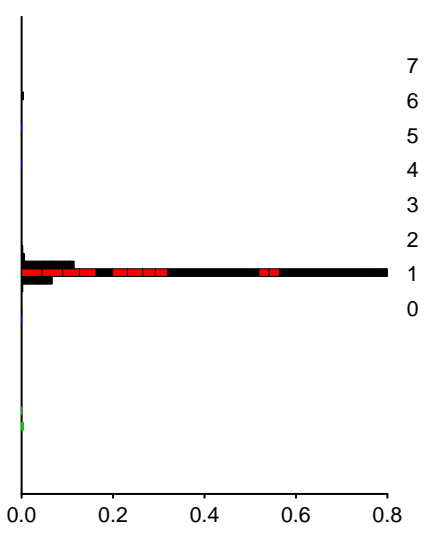
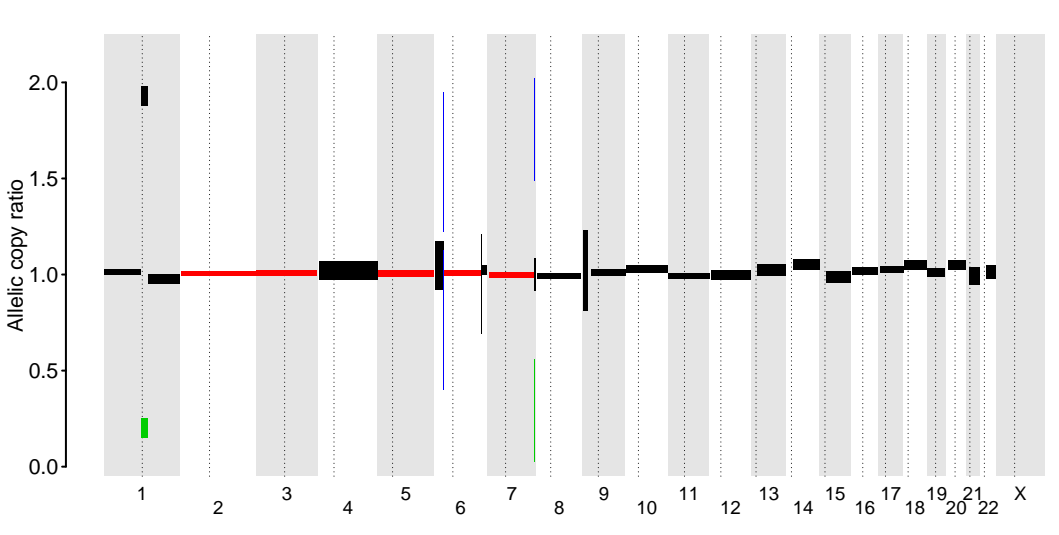
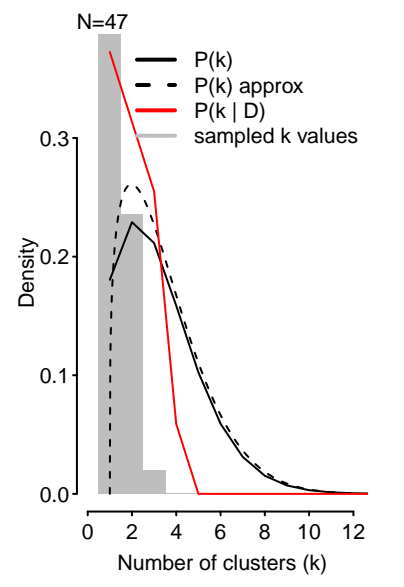
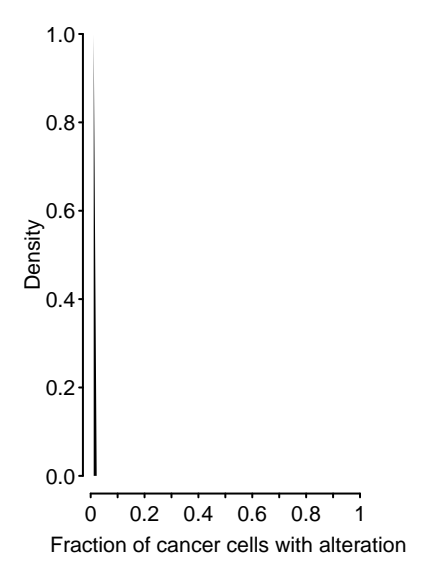
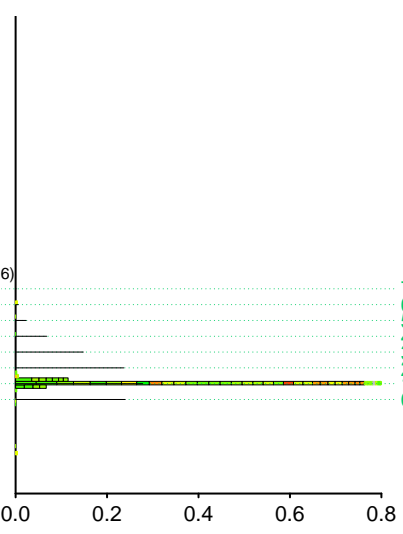
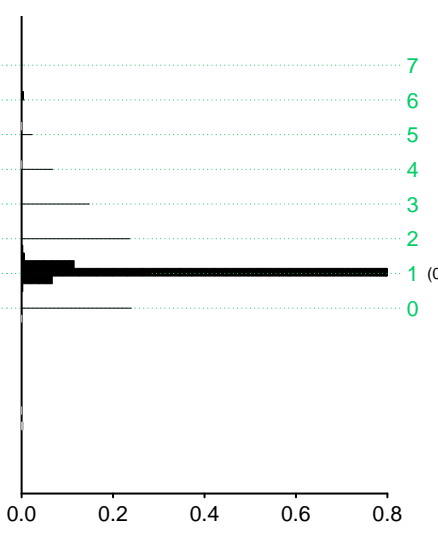
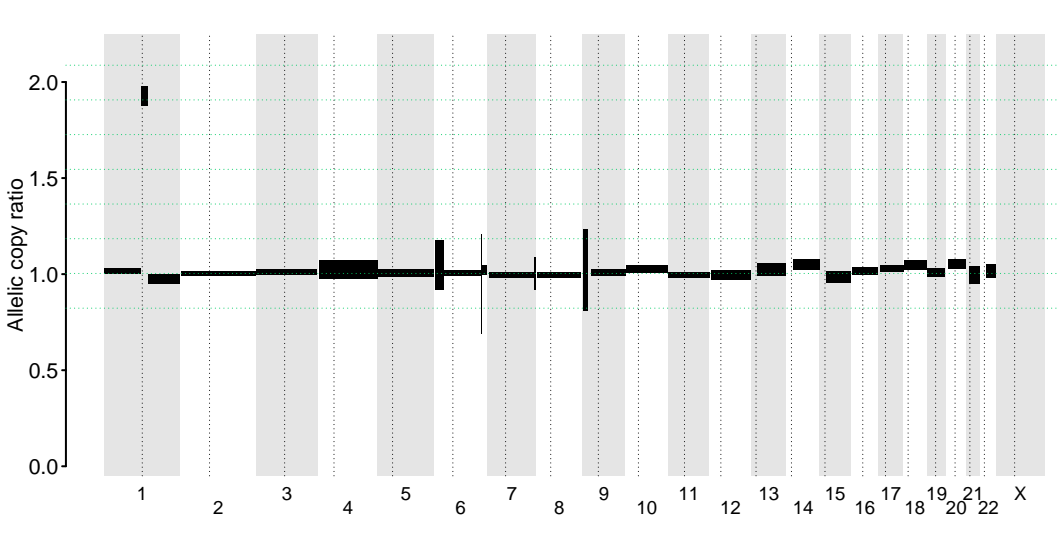
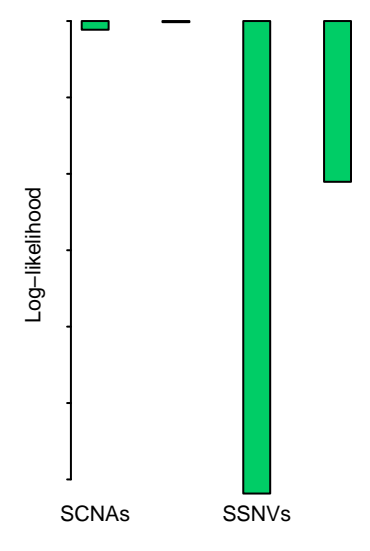
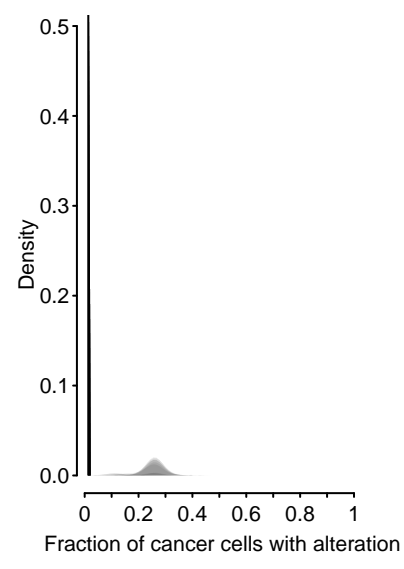
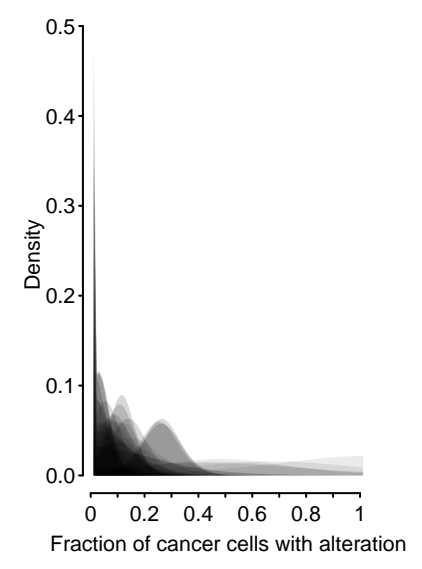
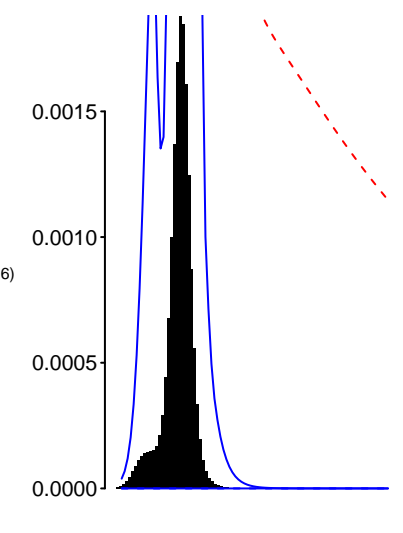
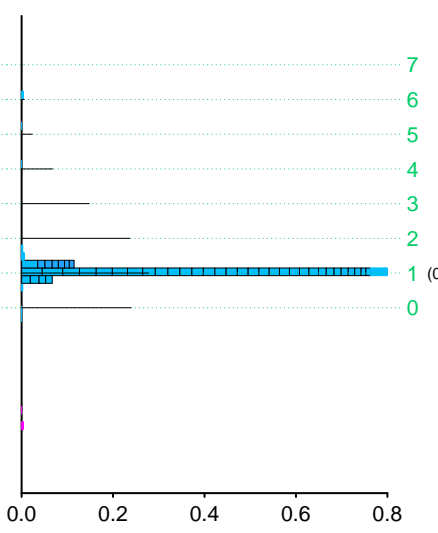
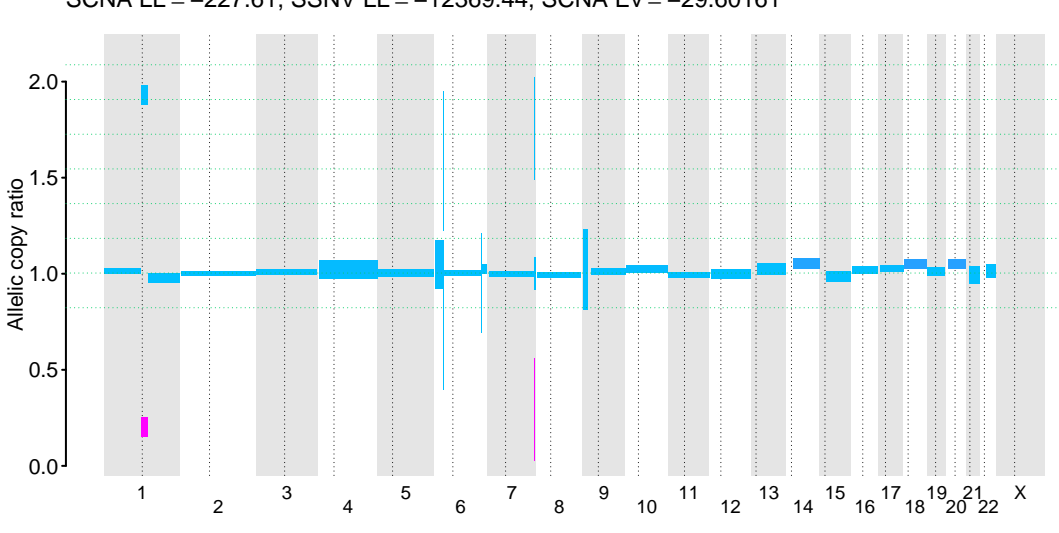
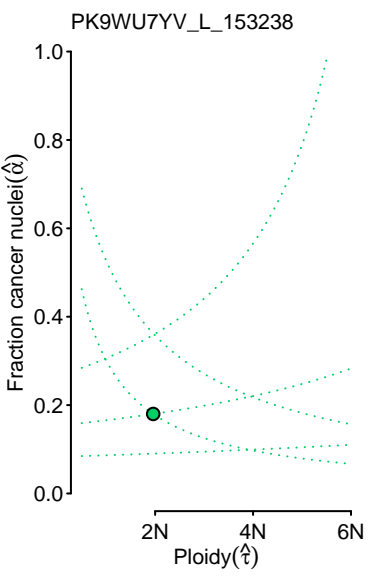




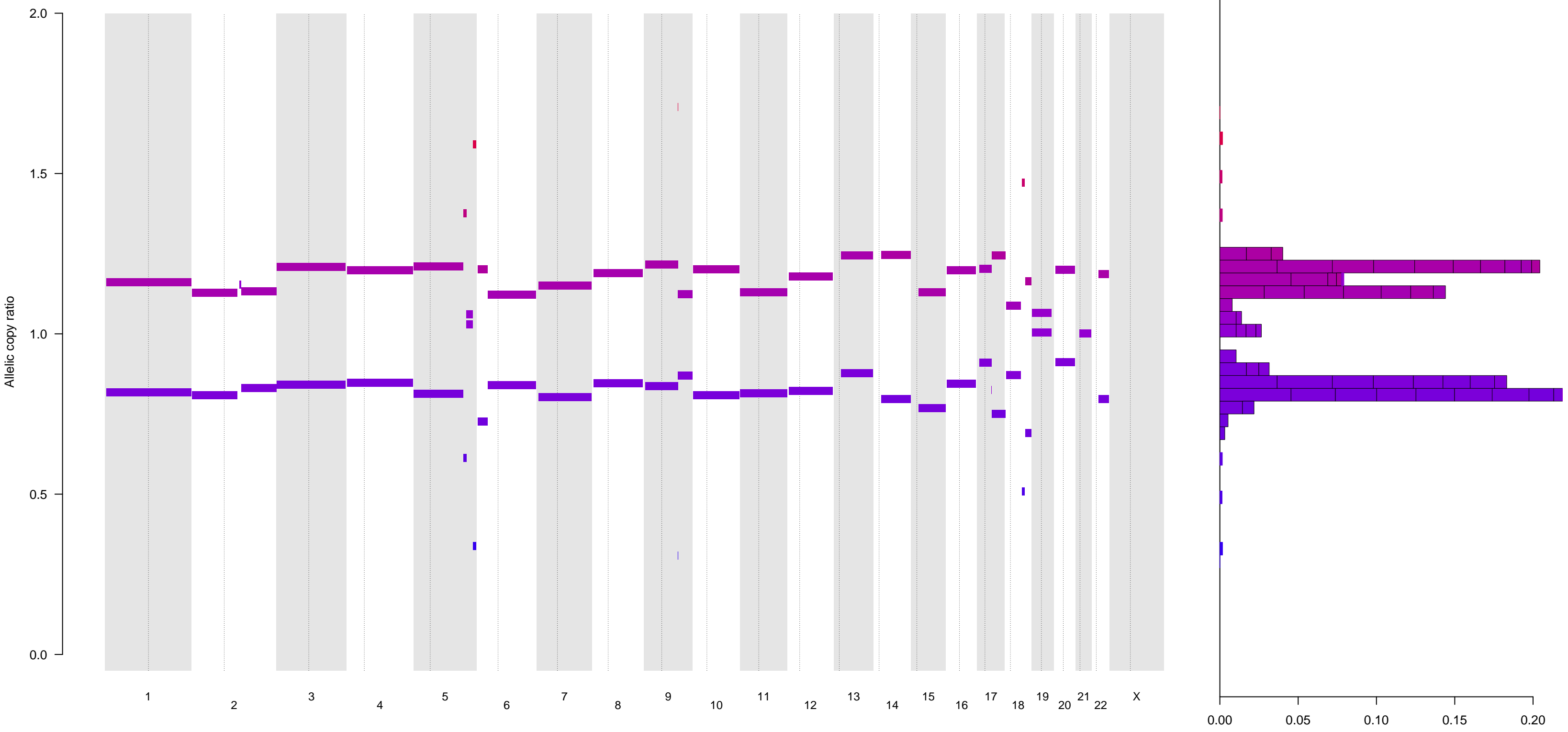
Sample 84



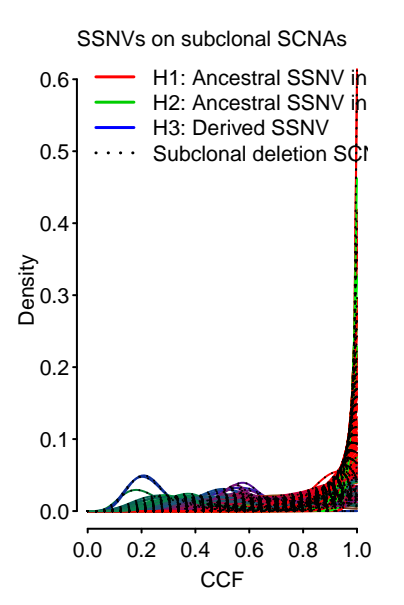
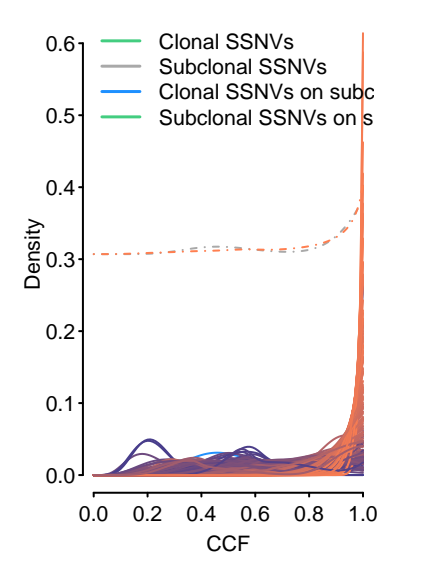
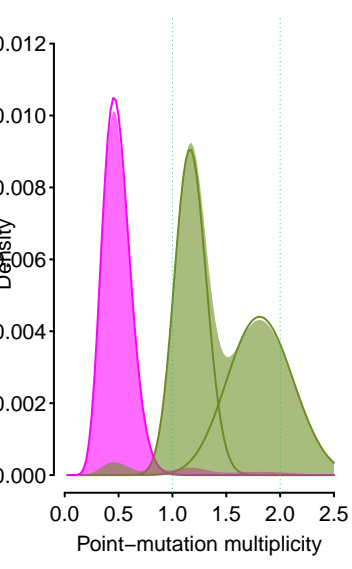
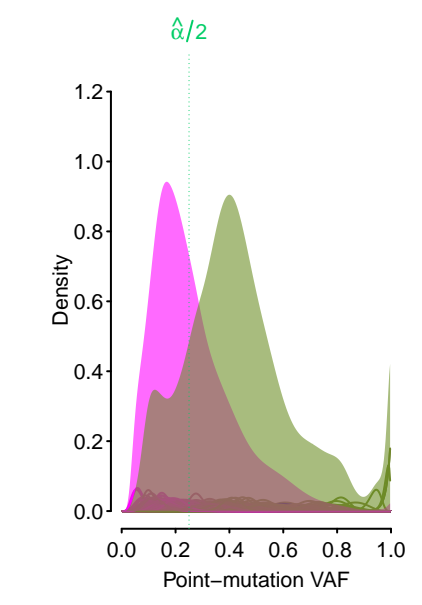
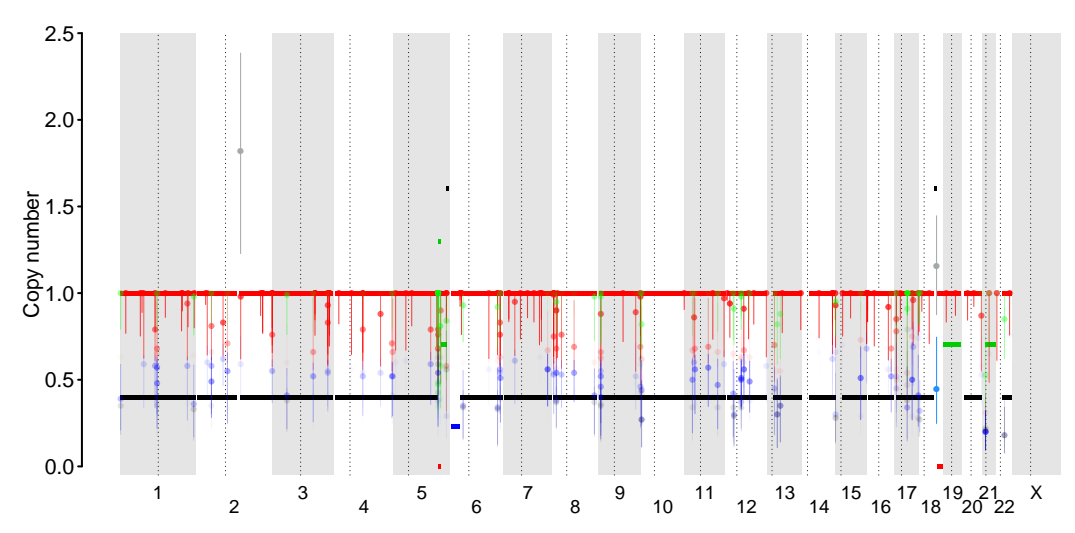
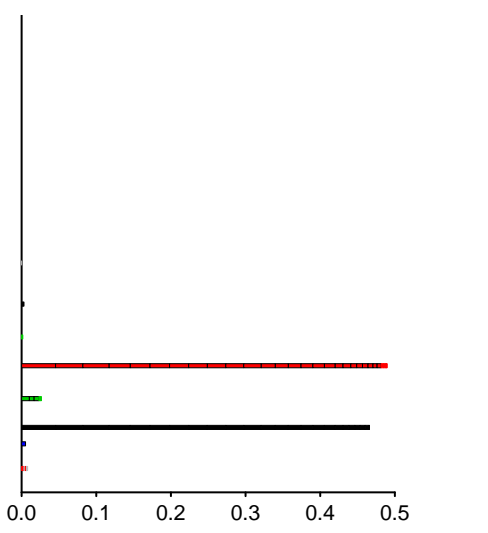
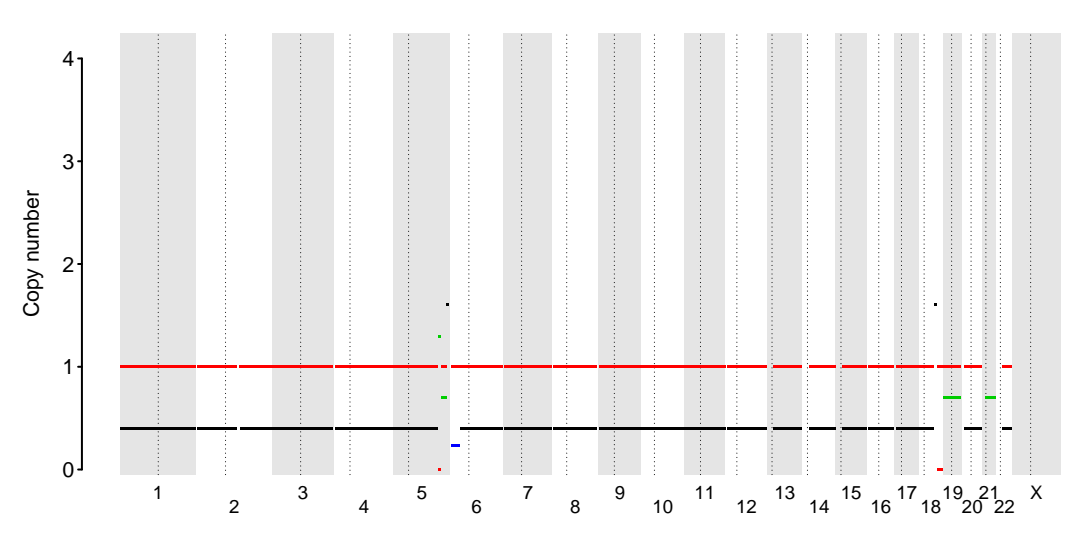
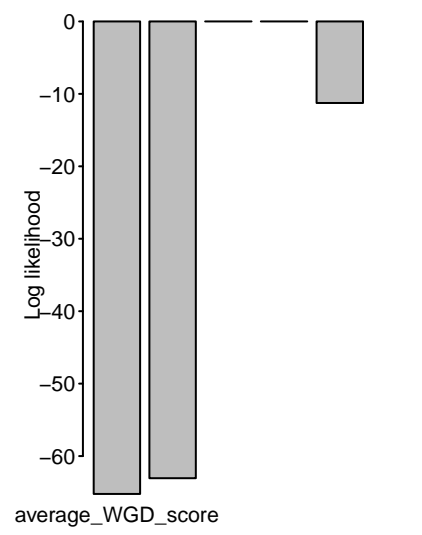
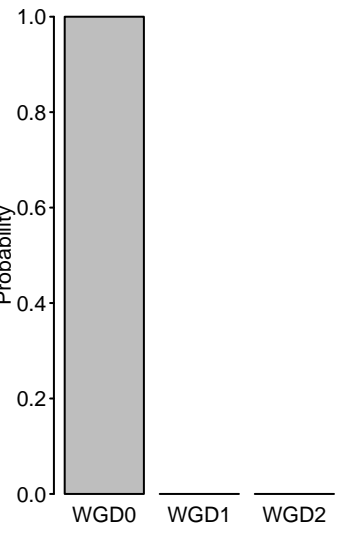
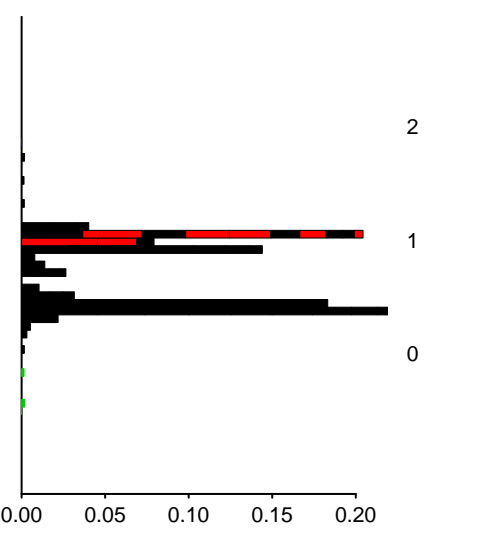
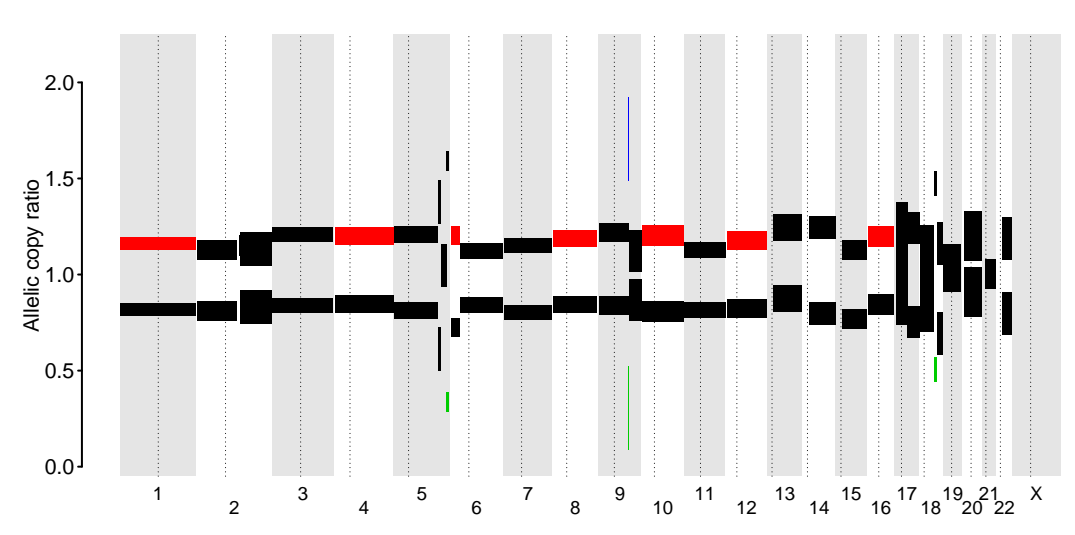
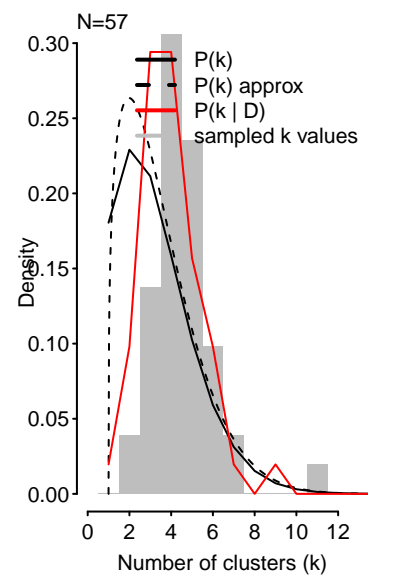
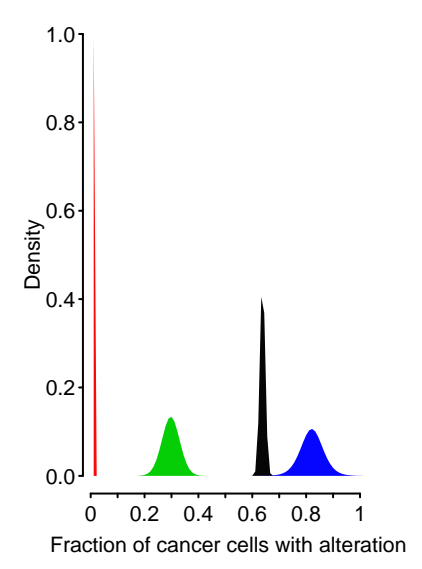
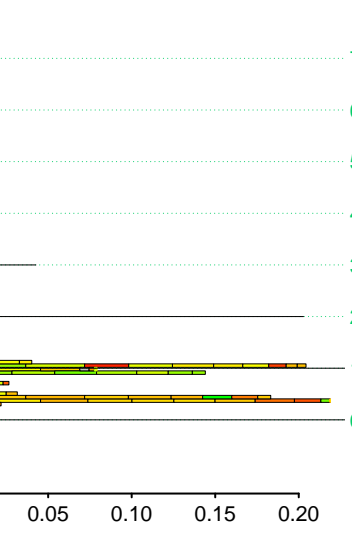
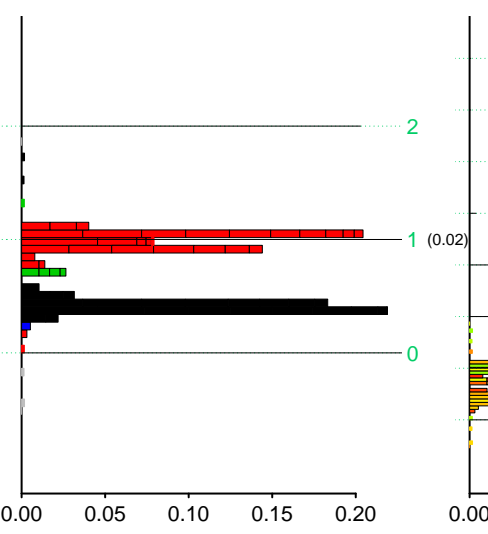
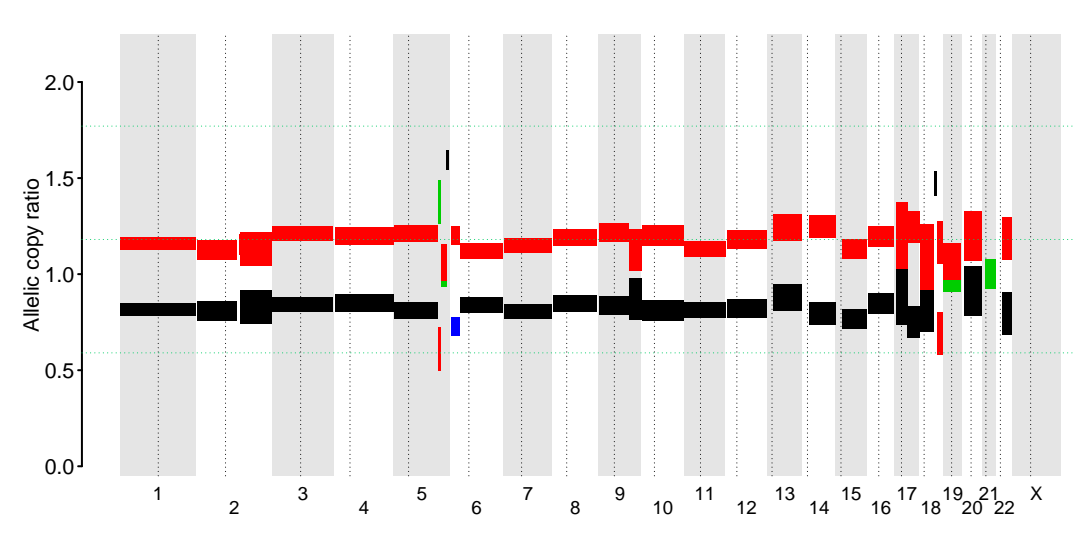
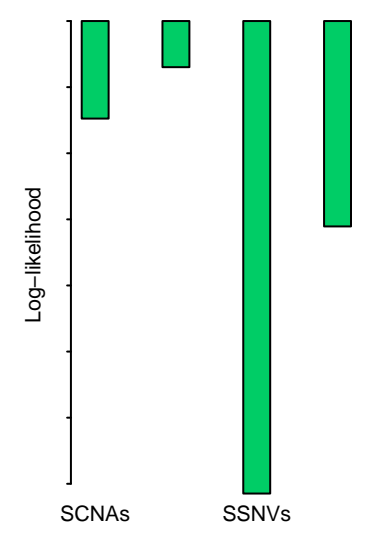
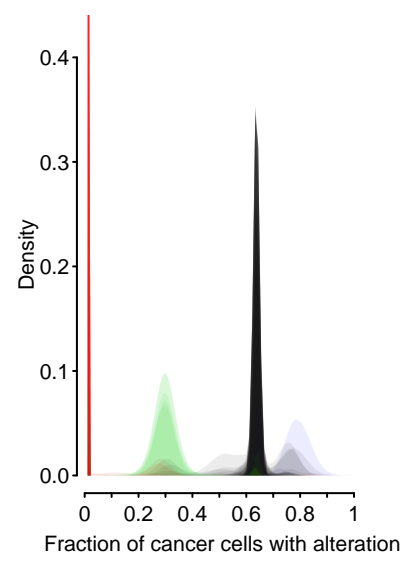
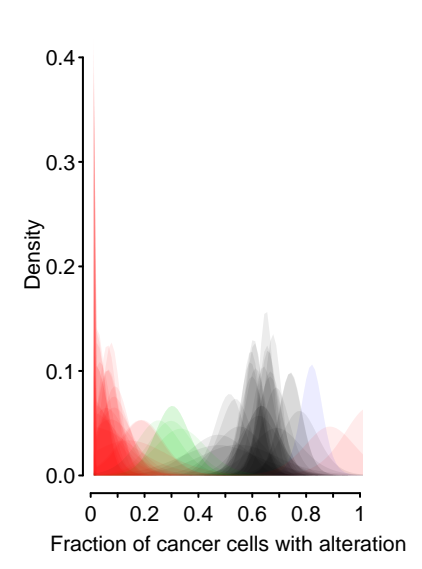
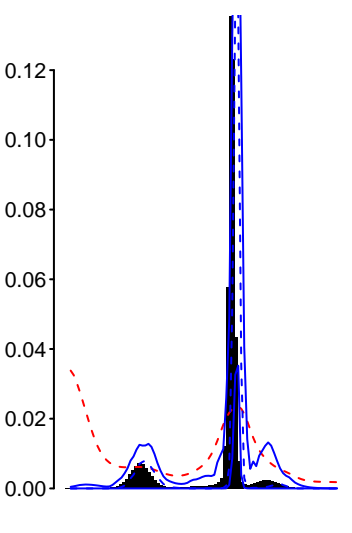
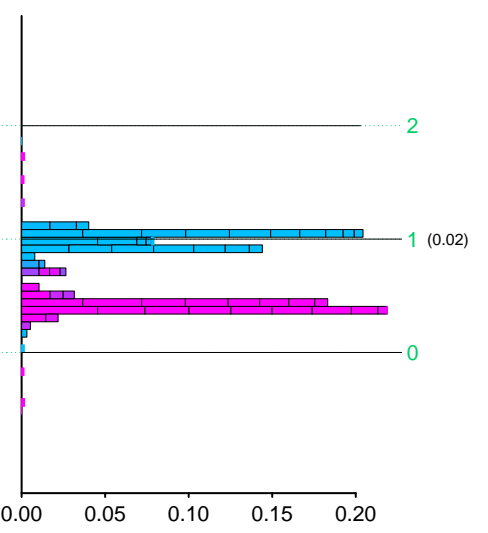
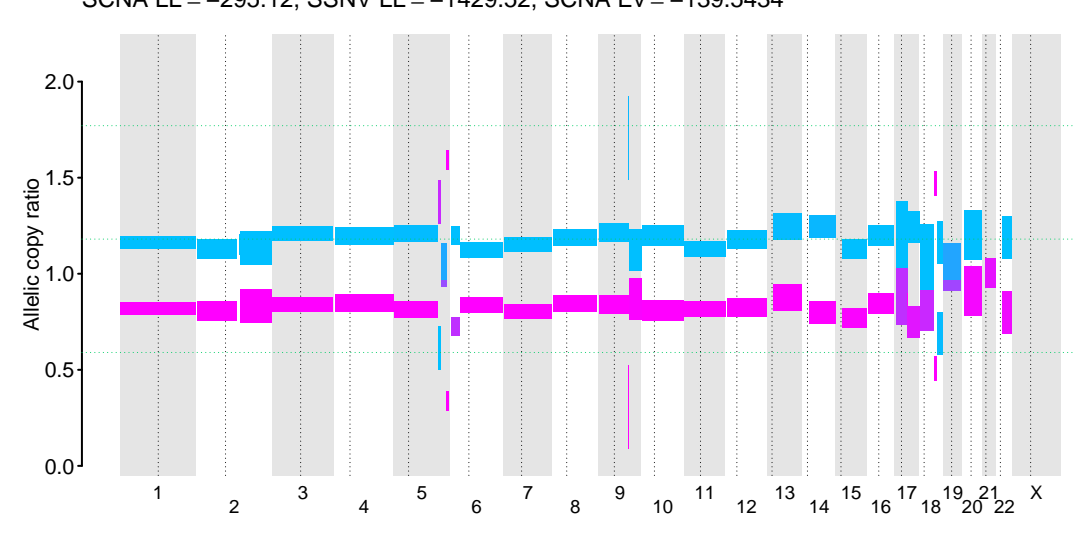
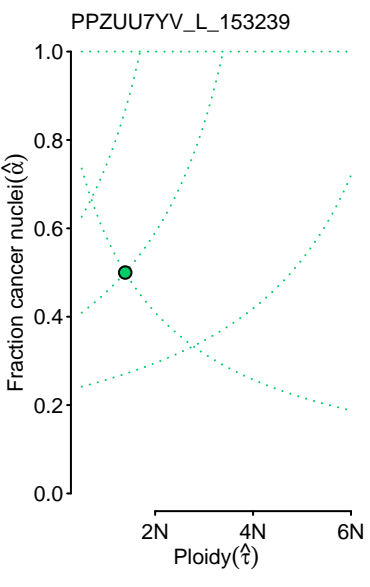
$\hat{\alpha} = 0.18$, ploidy: $\hat{\tau} = 1.96$, $\hat{\tau}_g = 2.04$
 $\theta_z = 0.02$, $\theta_{\alpha} = 1.8$, WGD=0
 SCNA LL = -227.61, SSNV LL = -12369.44, SCNA Ev = -29.60161



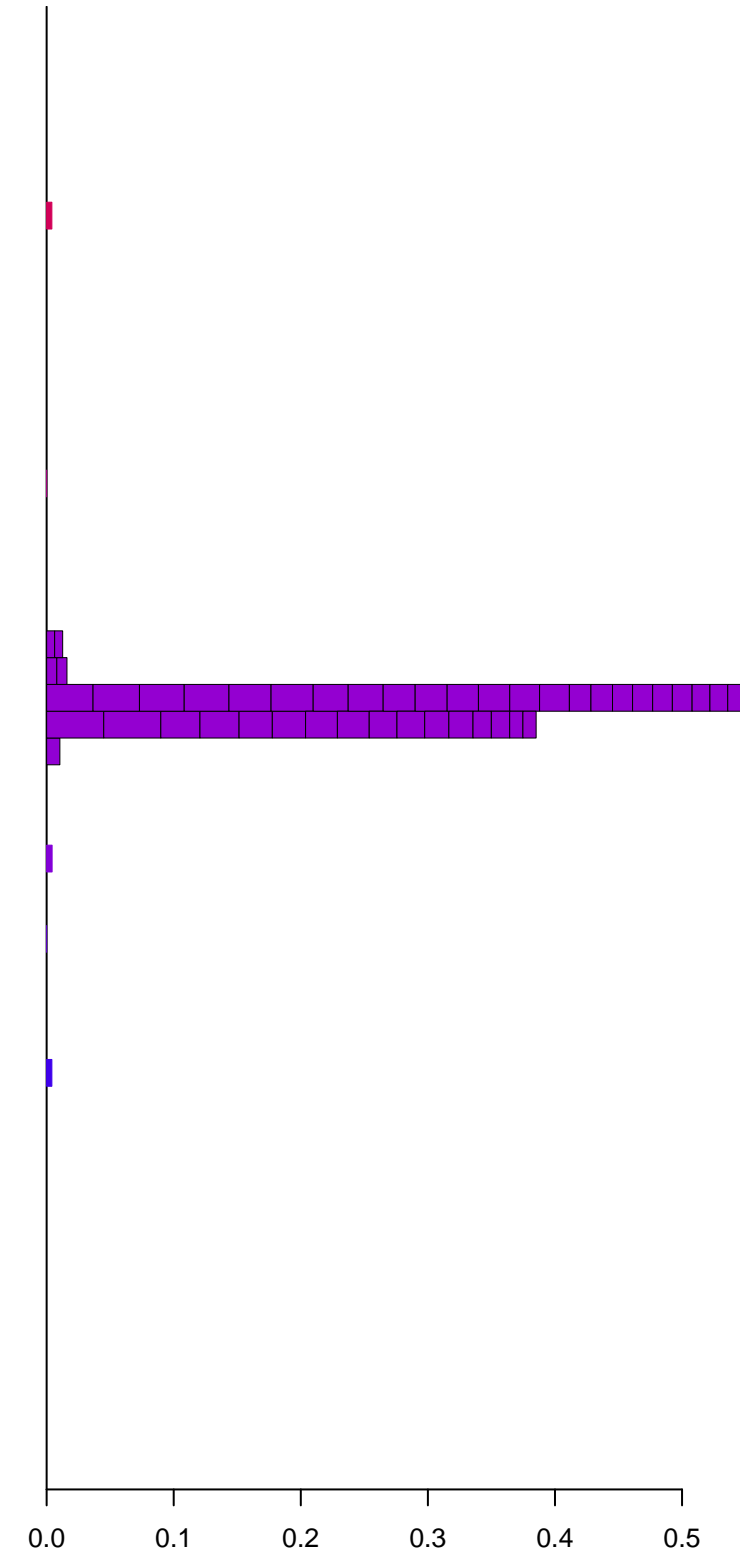
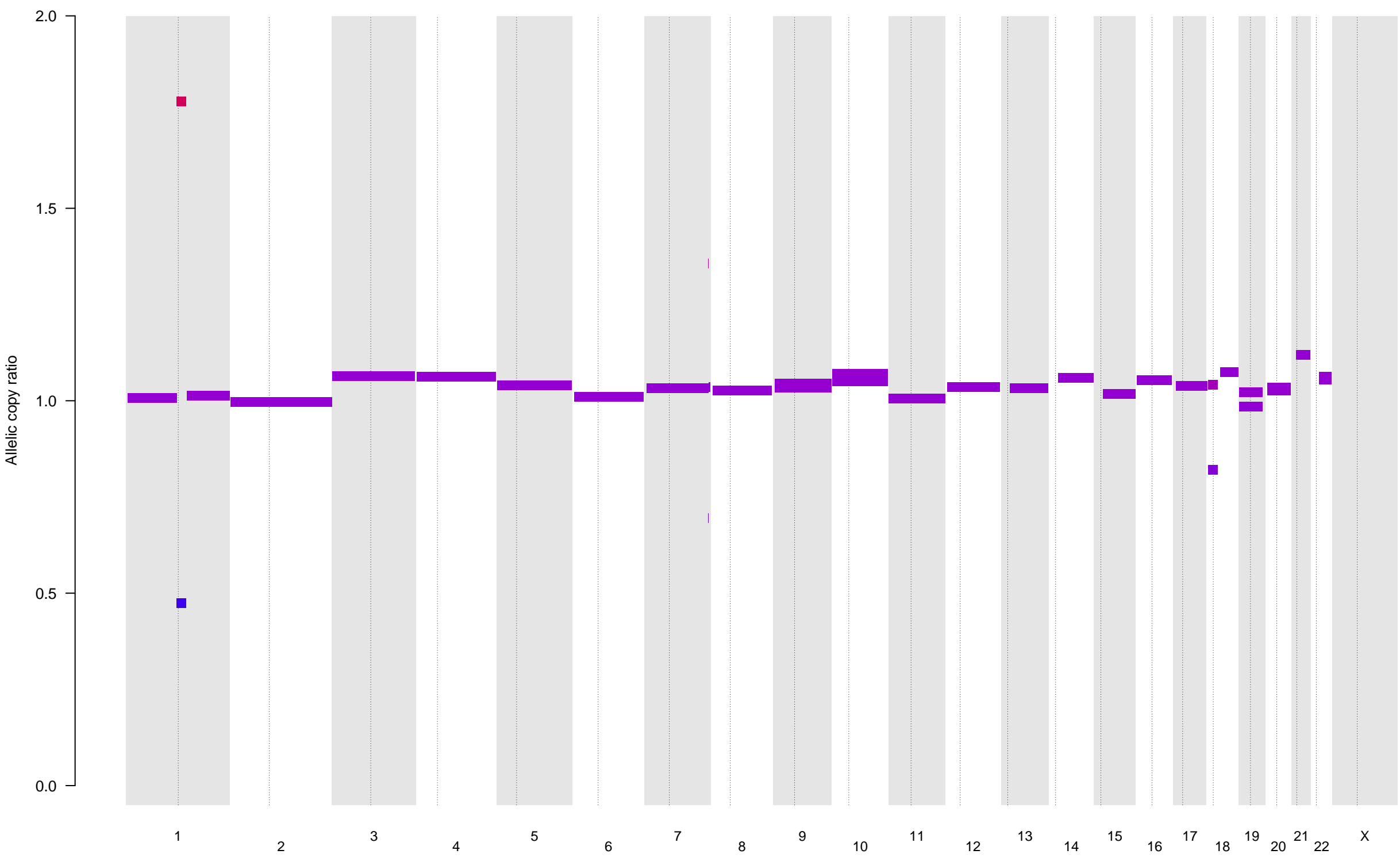
Sample 85



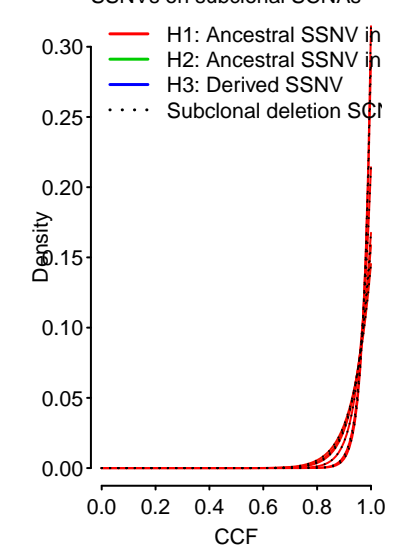
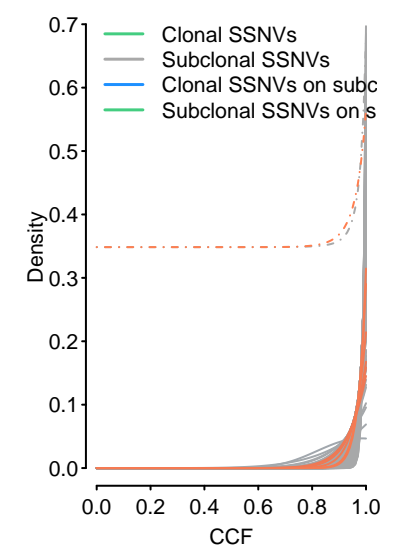
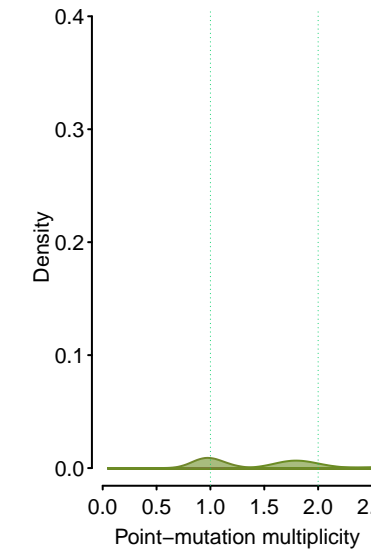
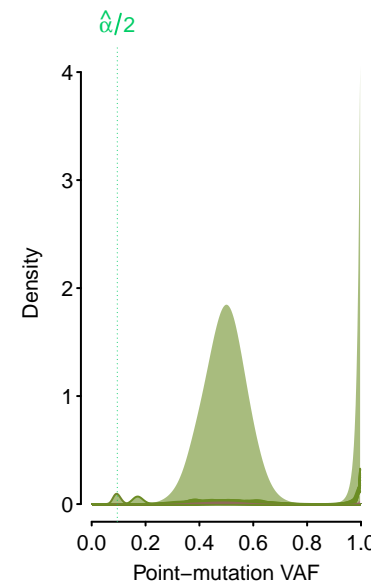
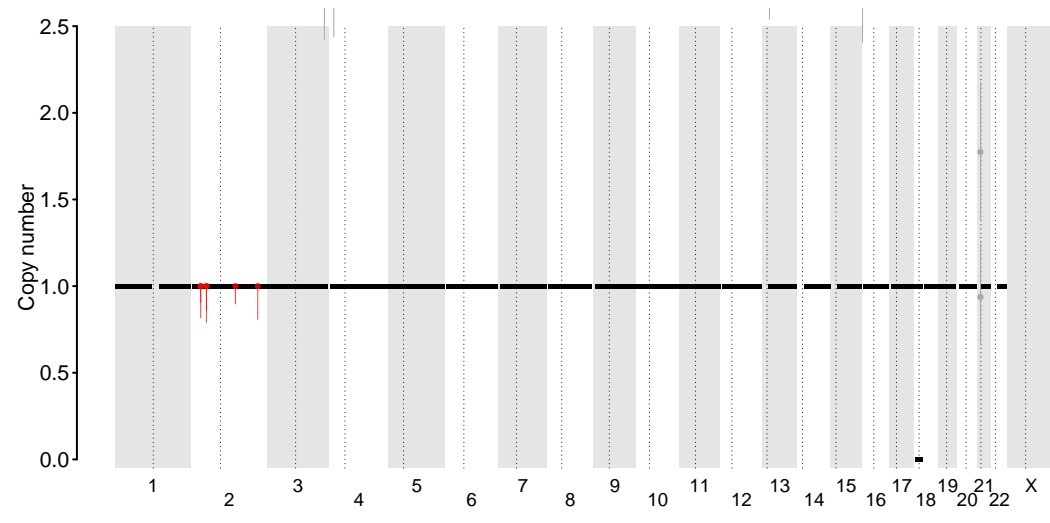
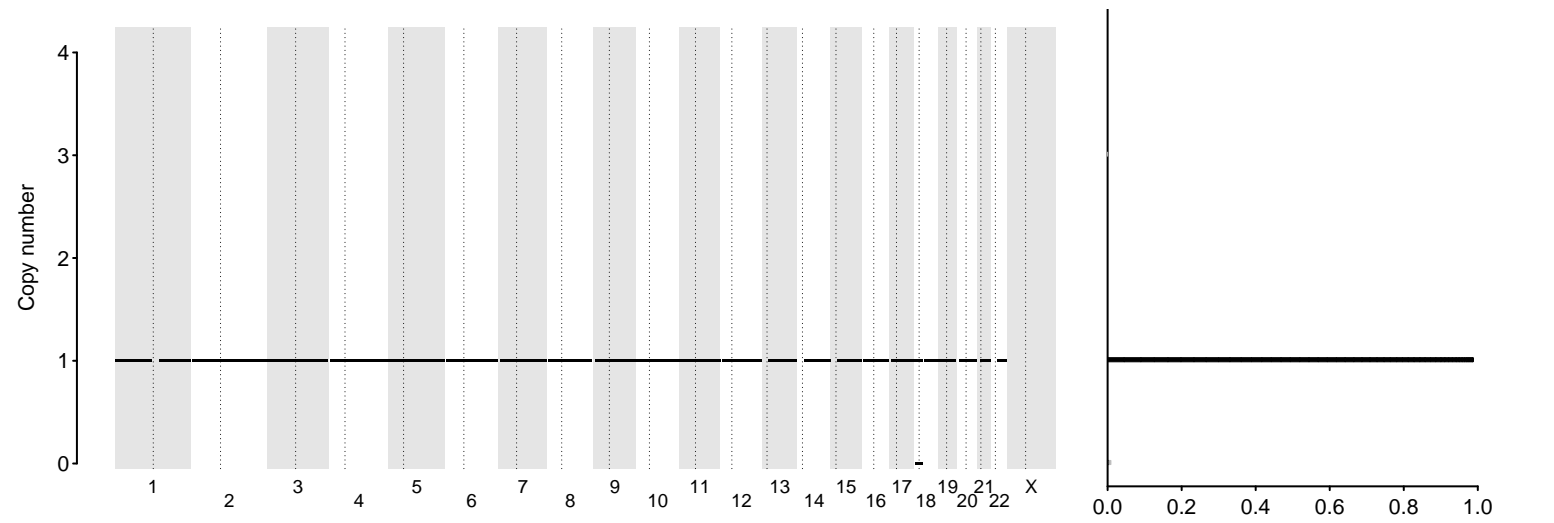
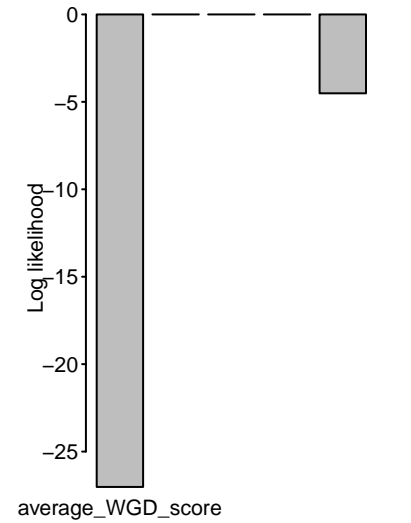
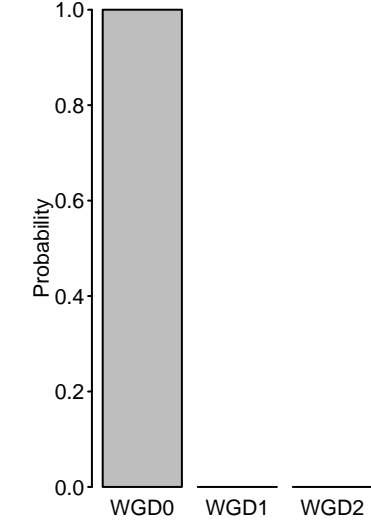
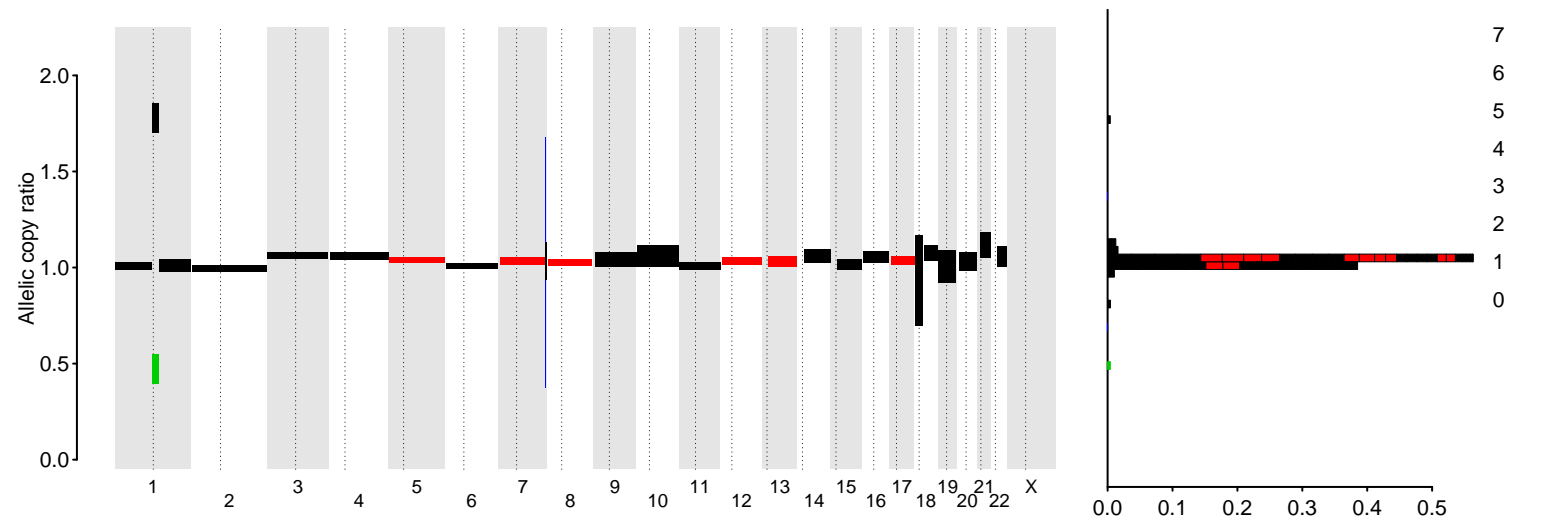
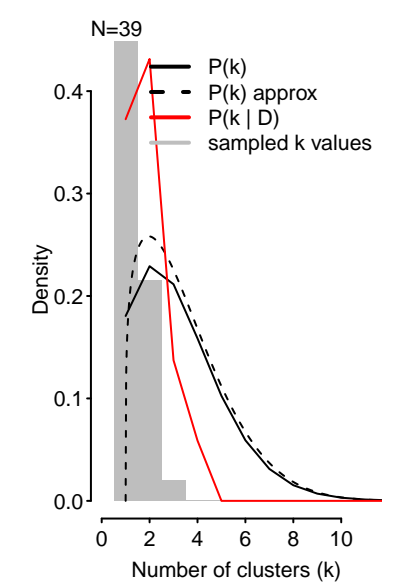
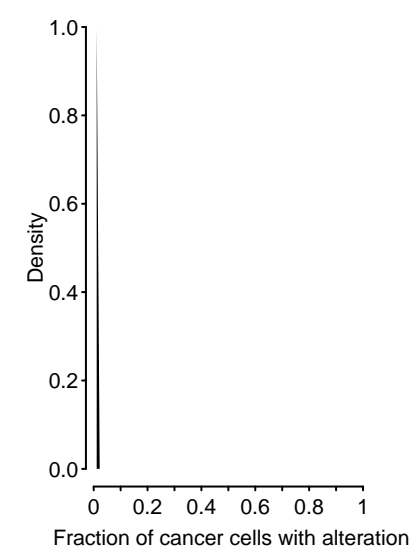
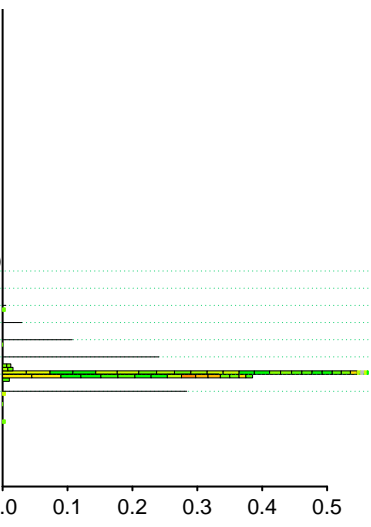
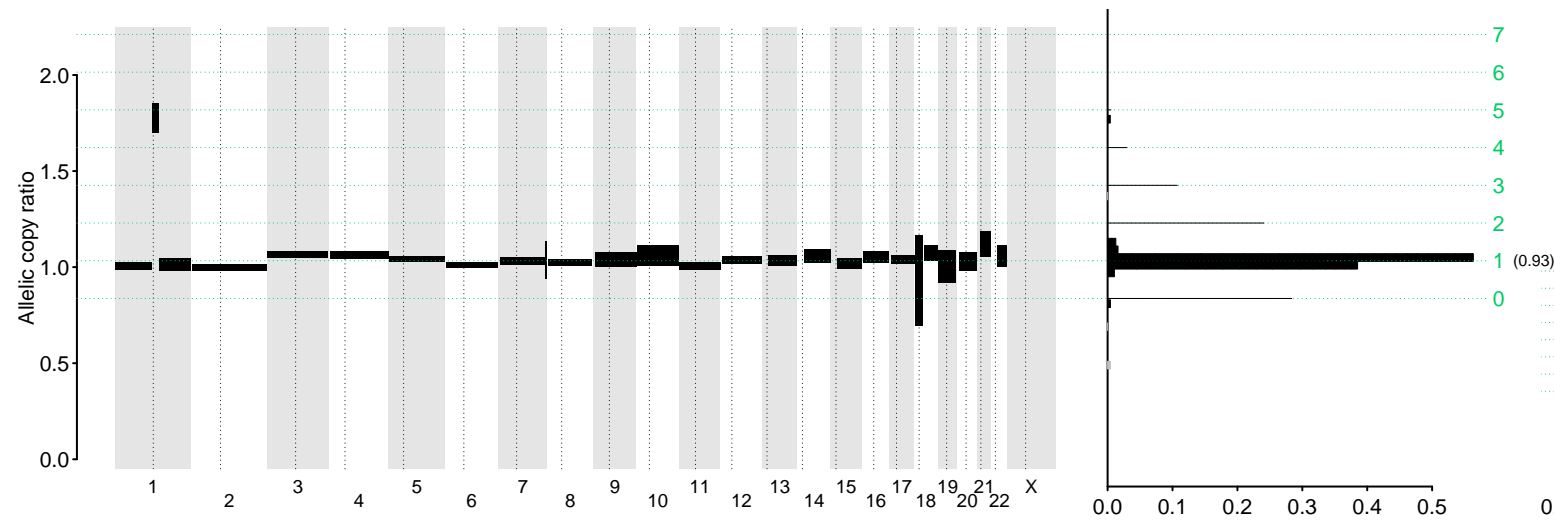
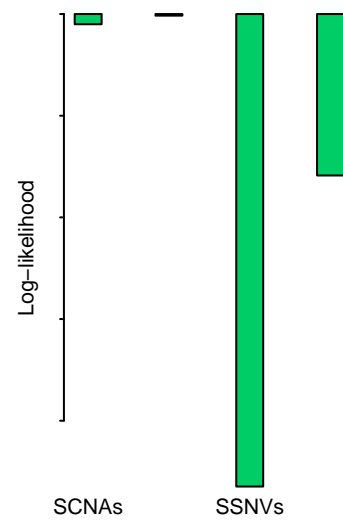
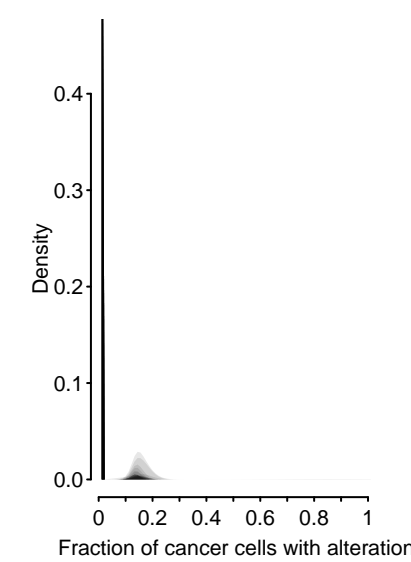
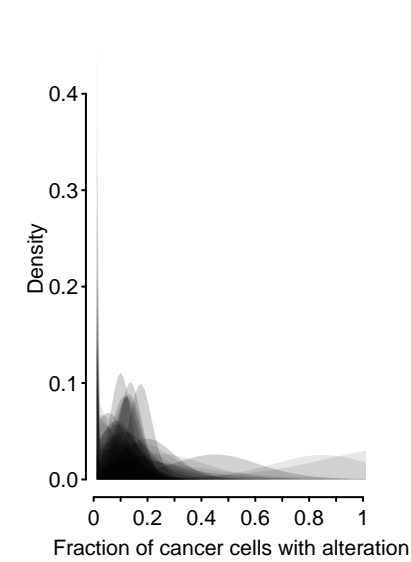
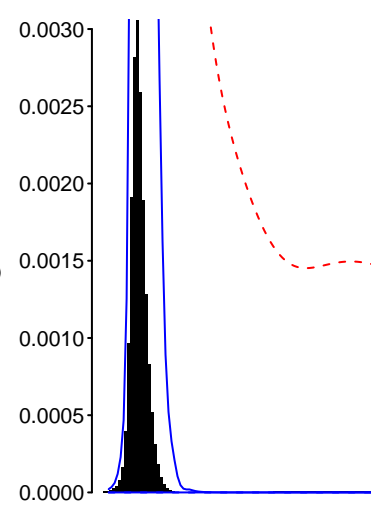
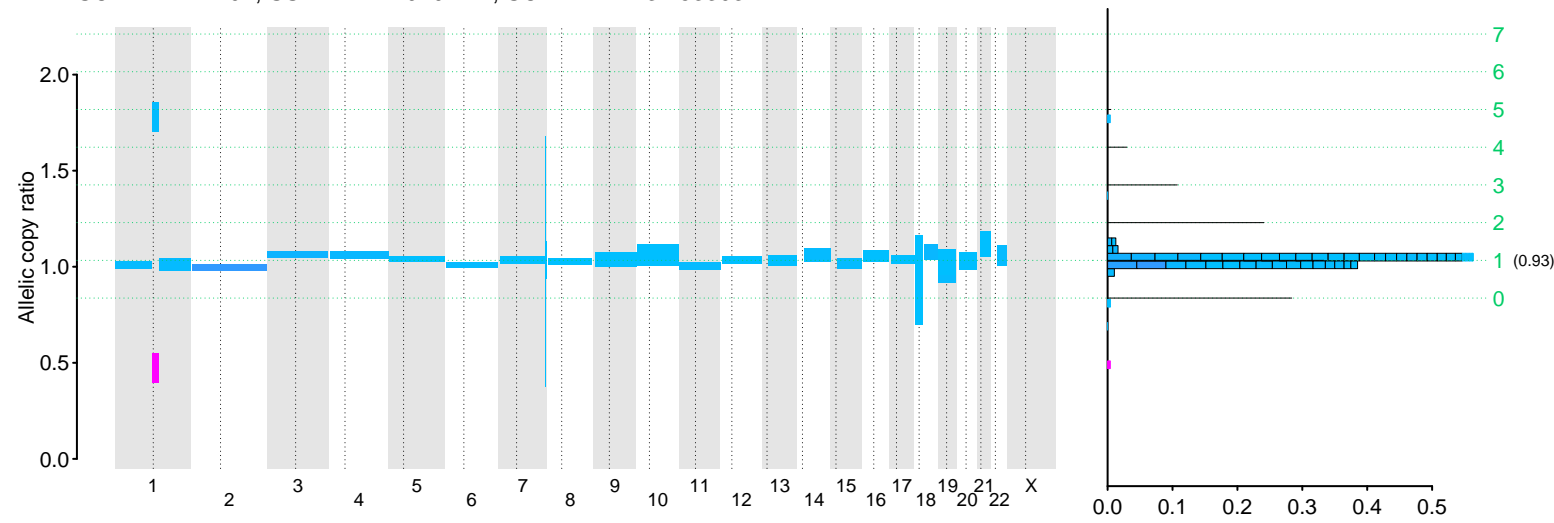
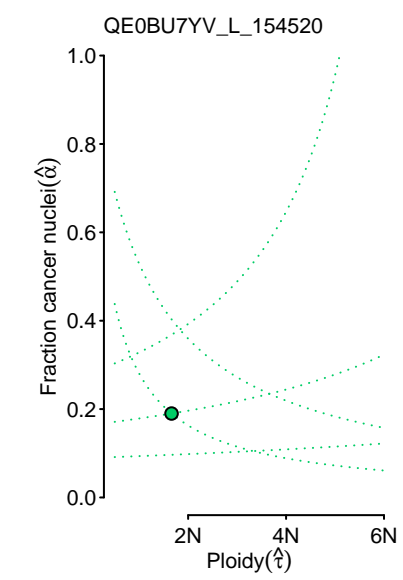
$\text{purity}(\hat{\lambda}) = 0.5$, ploidy: $\hat{t} = 1.39$, $\hat{t}_0 = 1.12$
 $\theta_z = 0.5$, $\theta_0 = 1.076$, WGD=0
 SCNA LL = -295.12, SSNV LL = -1429.52, SCNA Ev = -139.5434



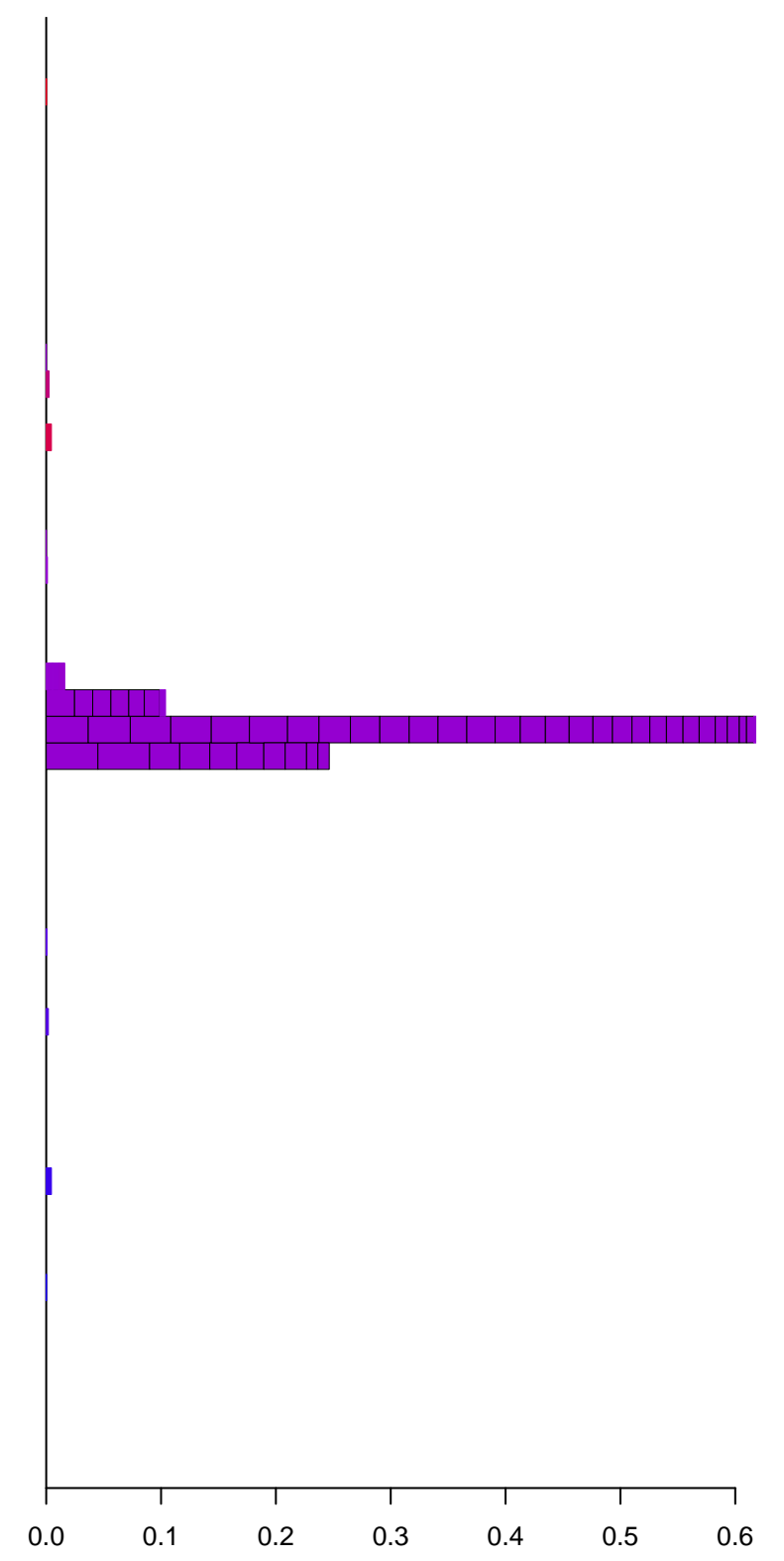
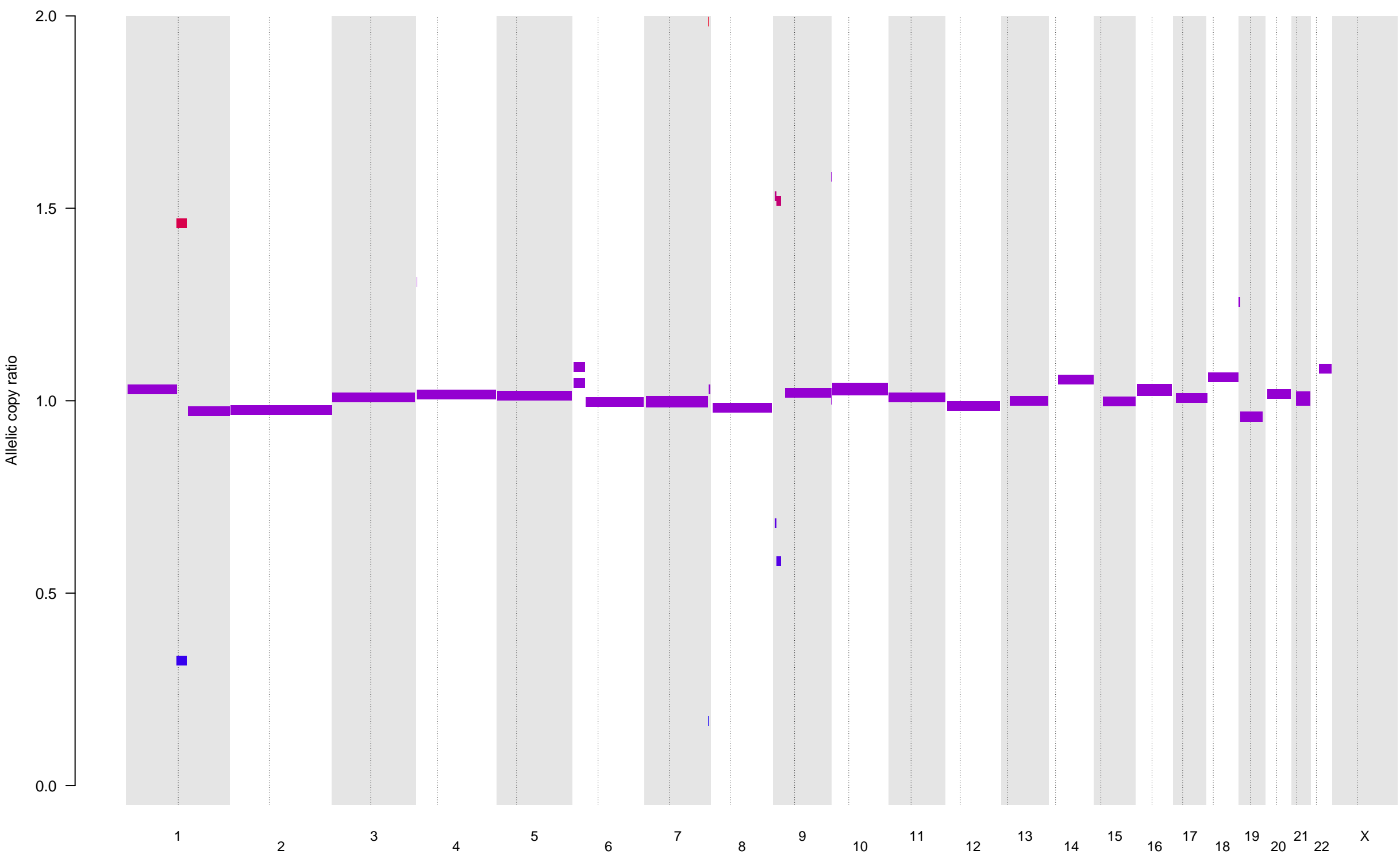
Sample 86



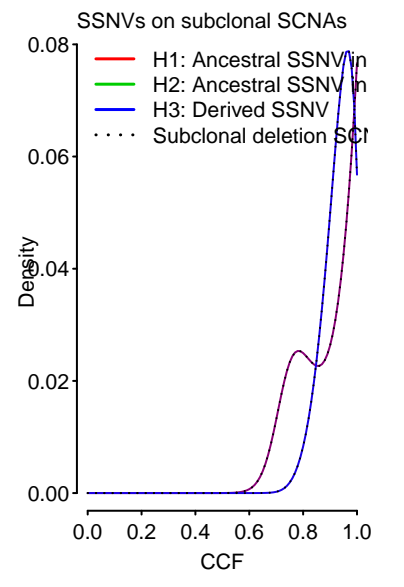
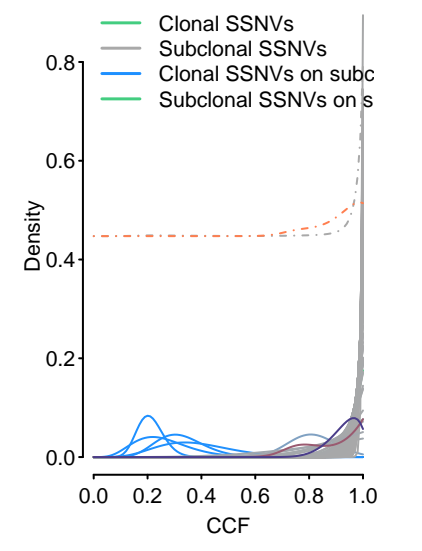
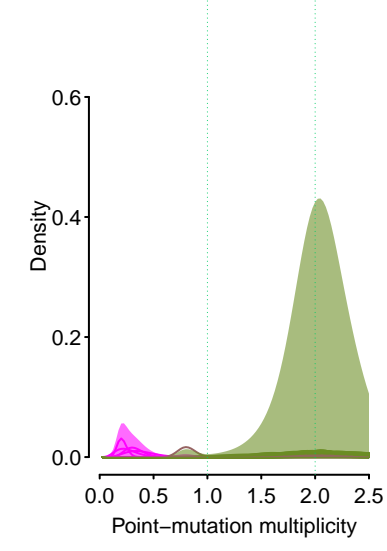
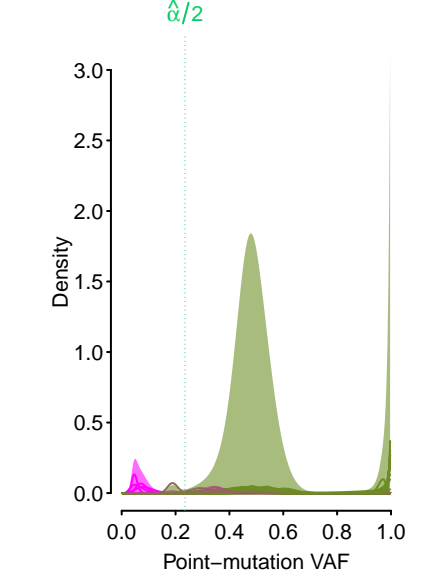
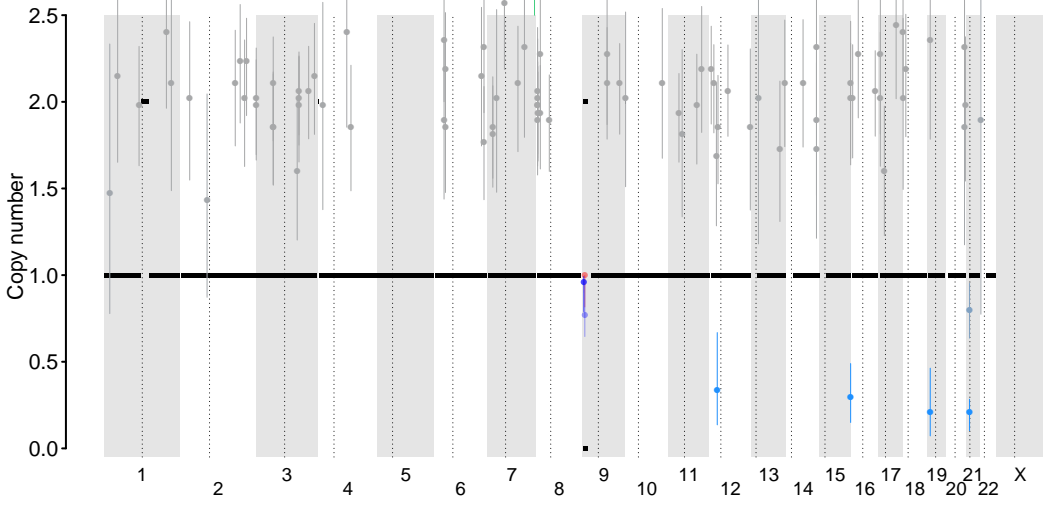
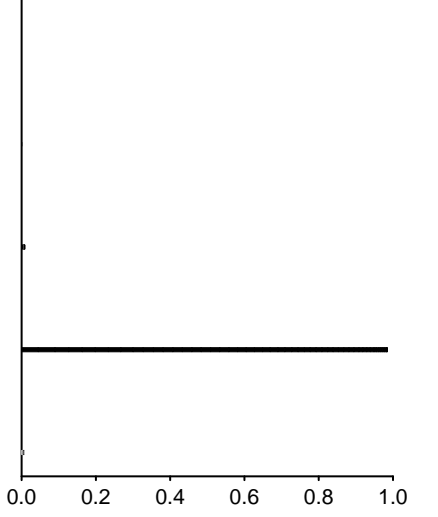
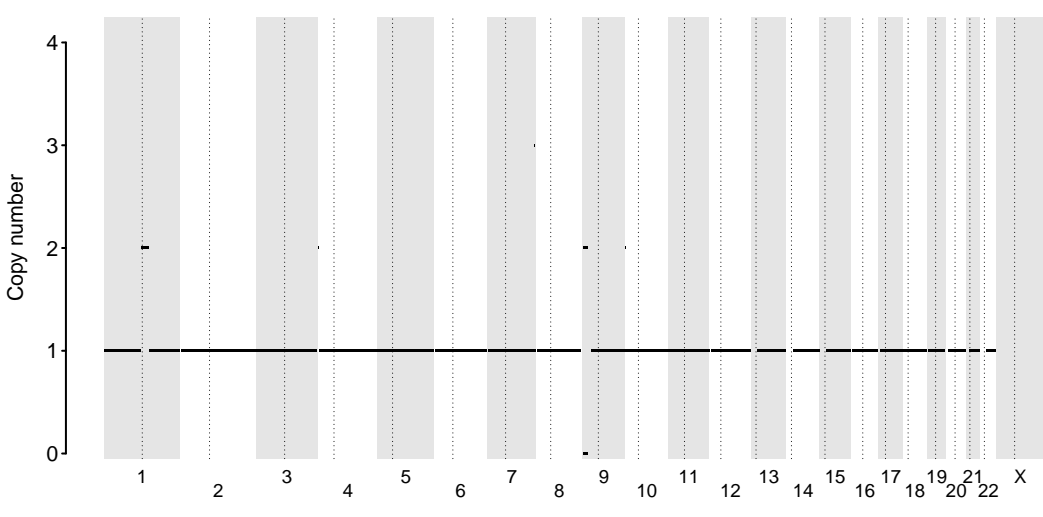
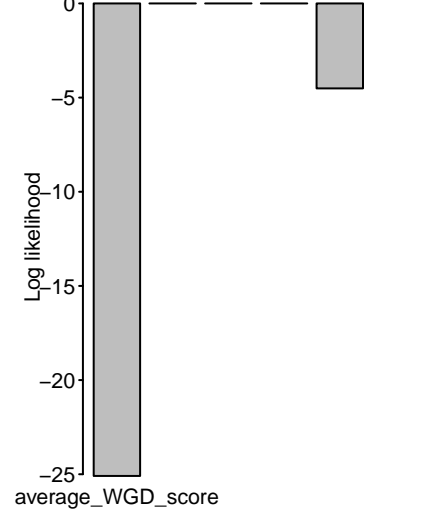
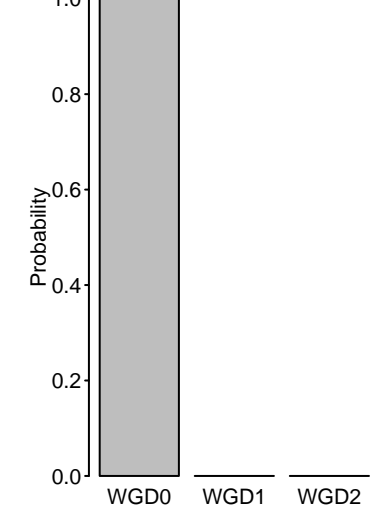
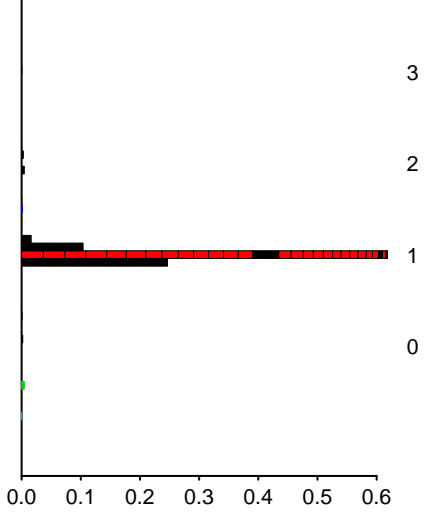
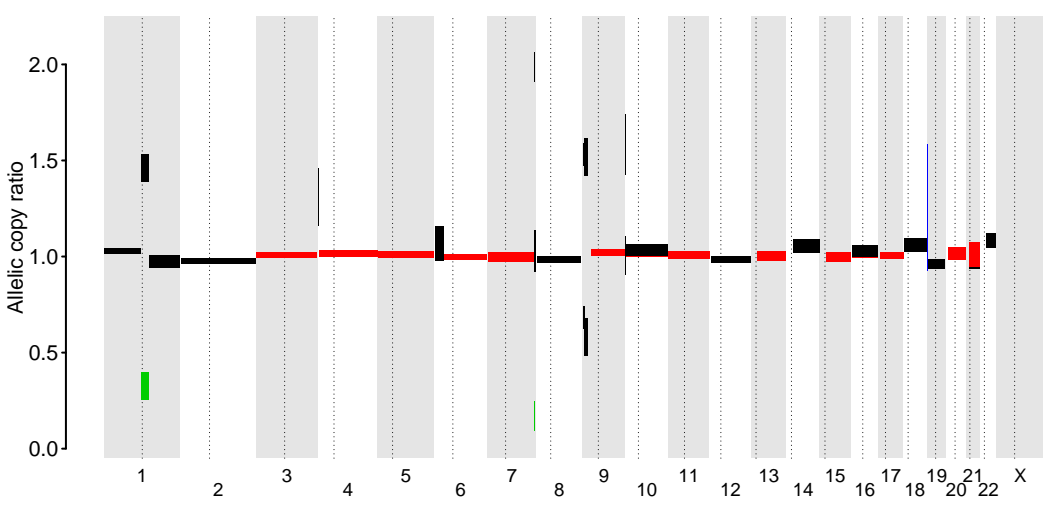
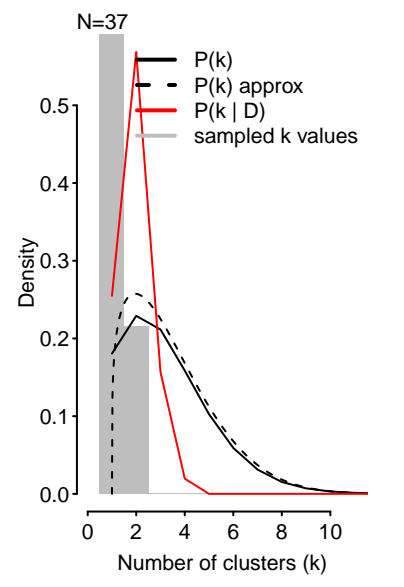
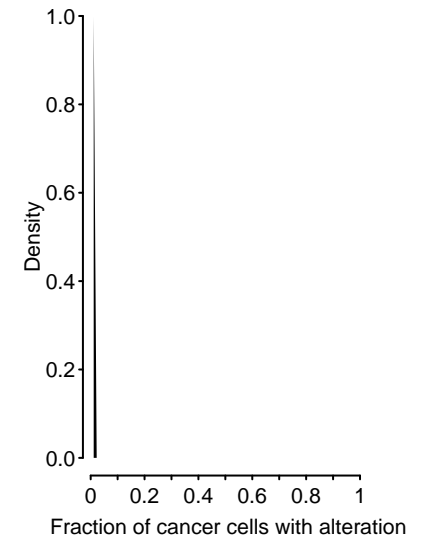
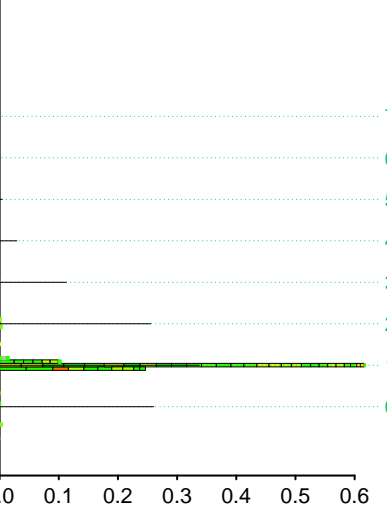
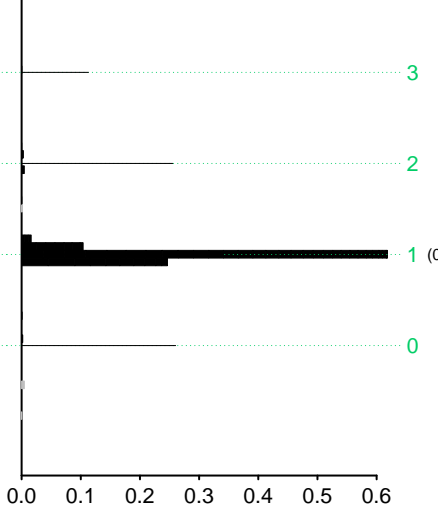
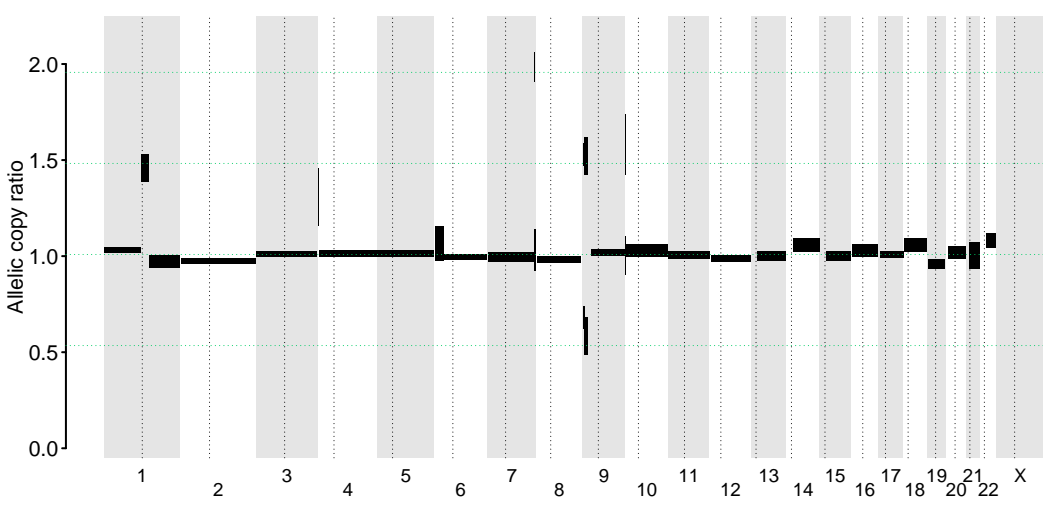
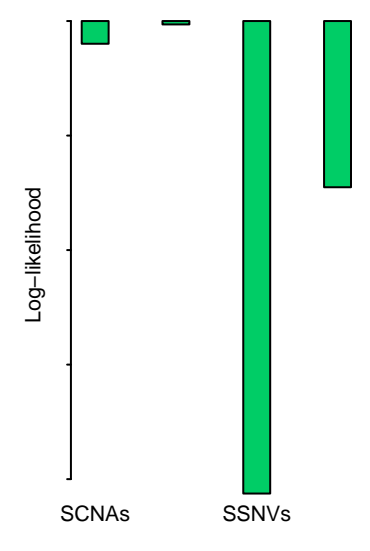
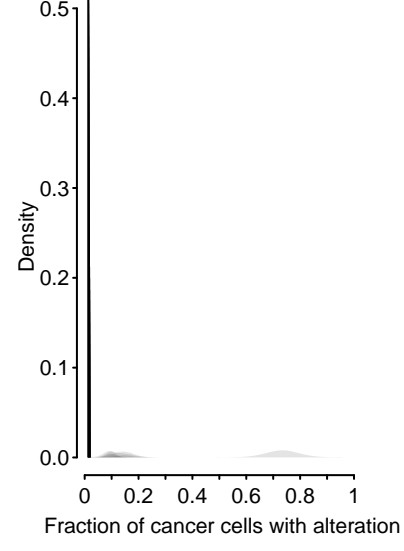
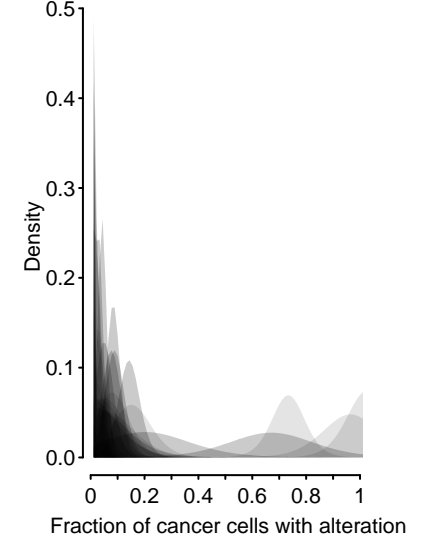
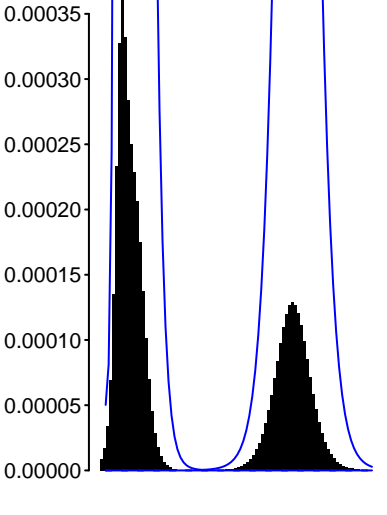
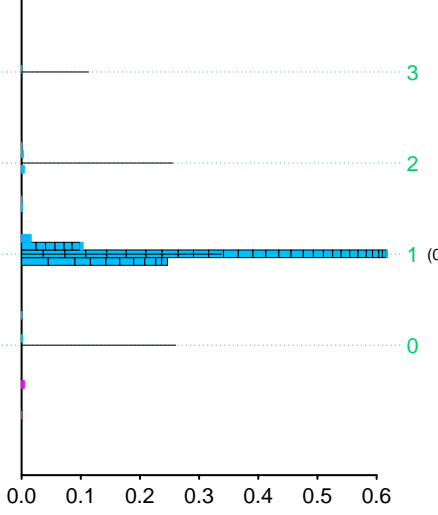
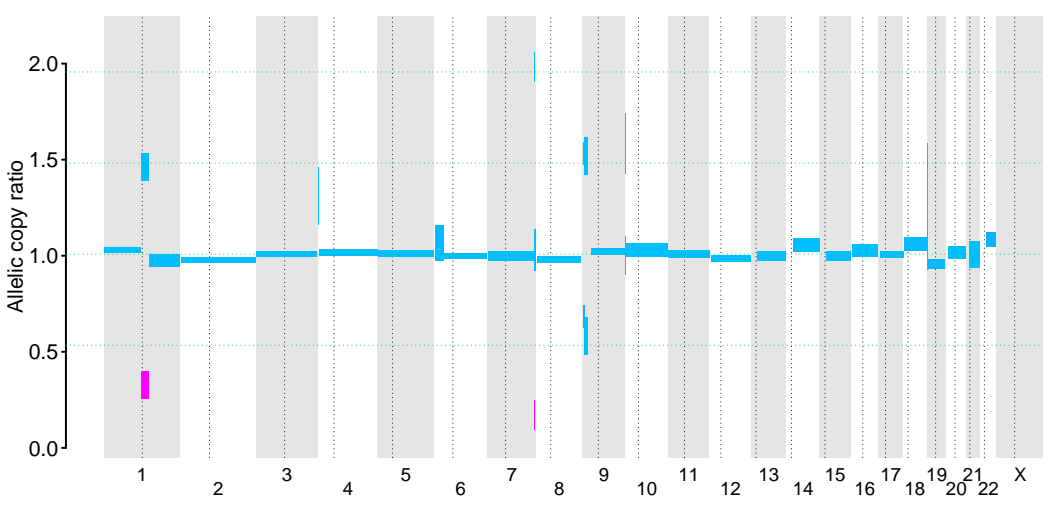
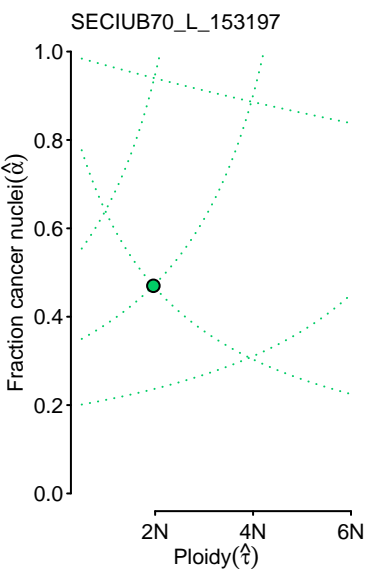
$\hat{p} = 0.19$, ploidy: $\hat{t} = 1.66$, $\hat{t}_g = 2.02$
 $\theta_z = 0.03$, $\theta_a = 1.438$, WGD=0
 SCNA LL = -201, SSNV LL = -9294.77, SCNA Ev = -31.53303



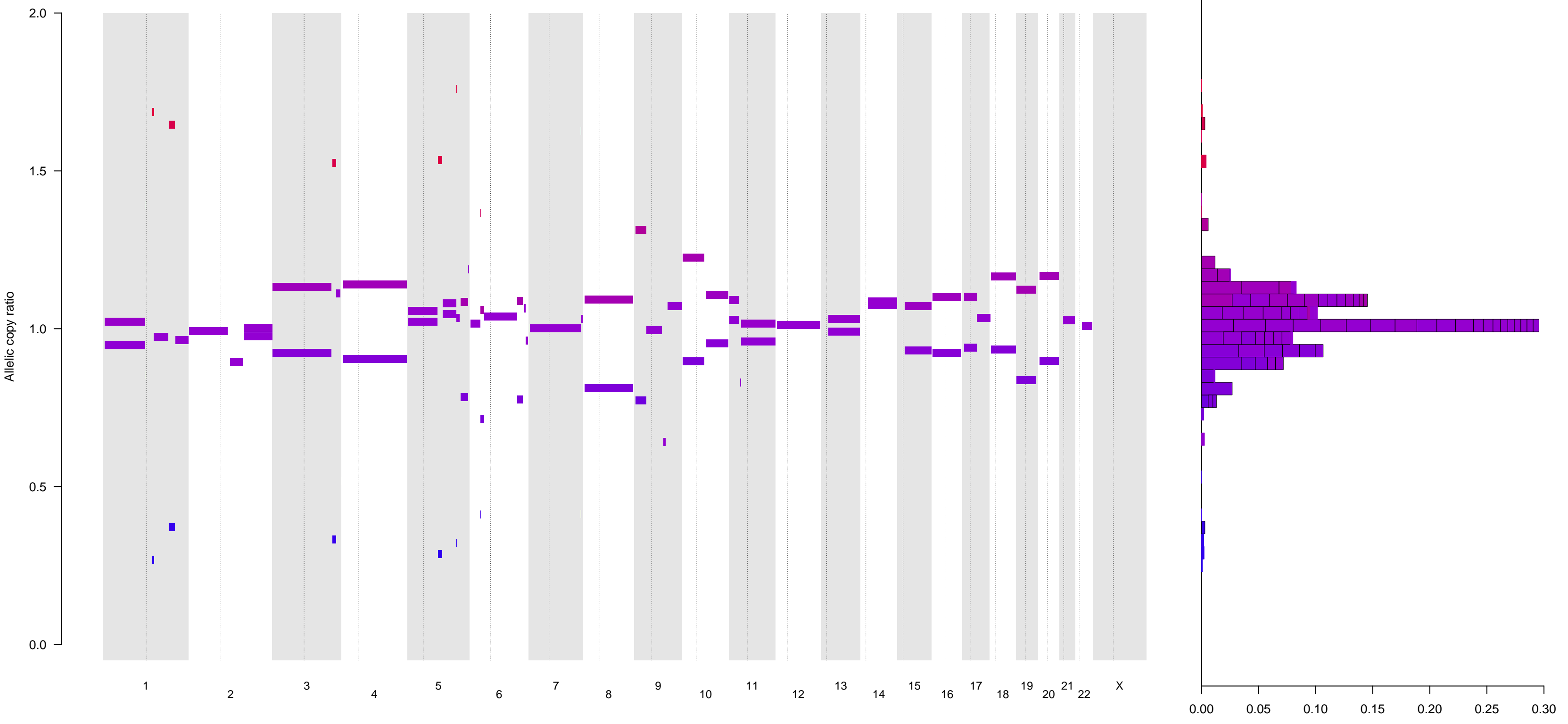
Sample 88



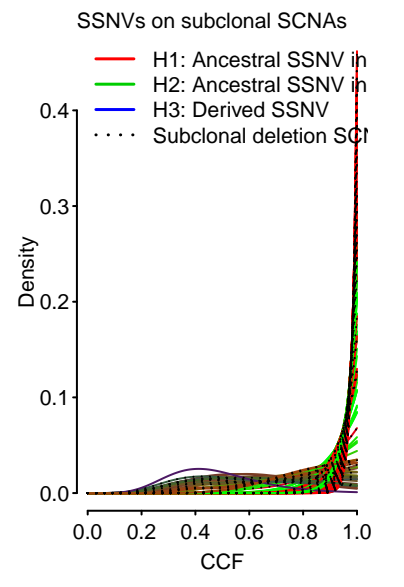
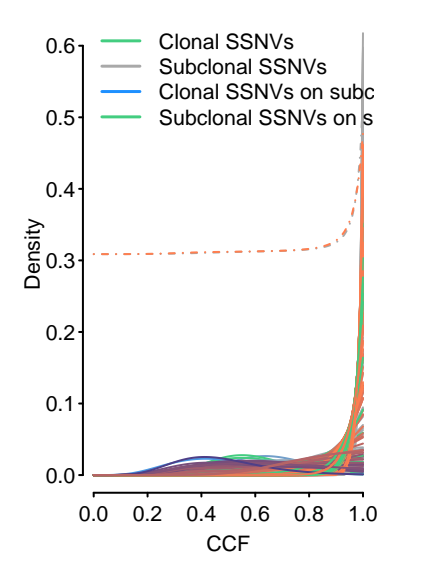
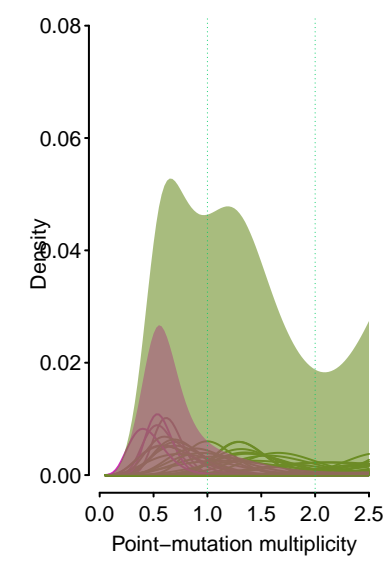
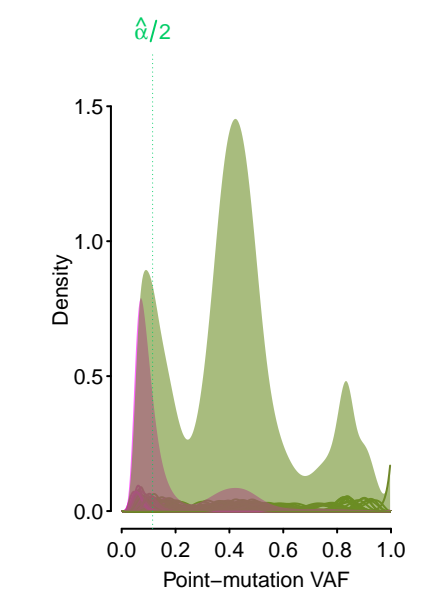
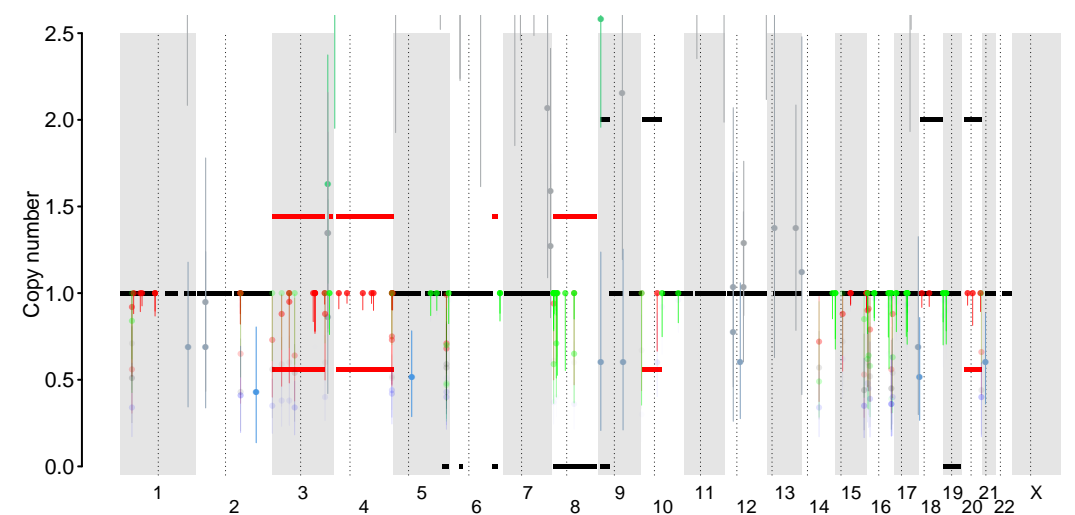
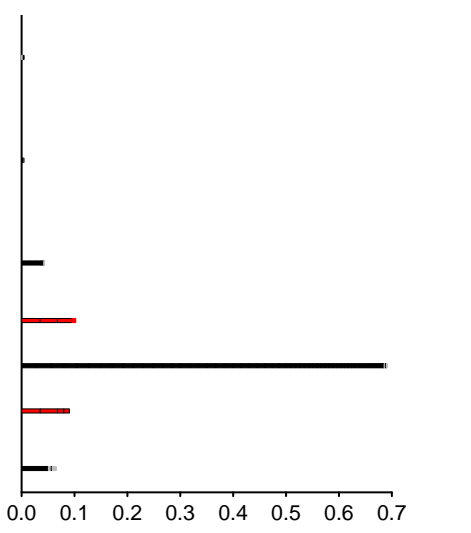
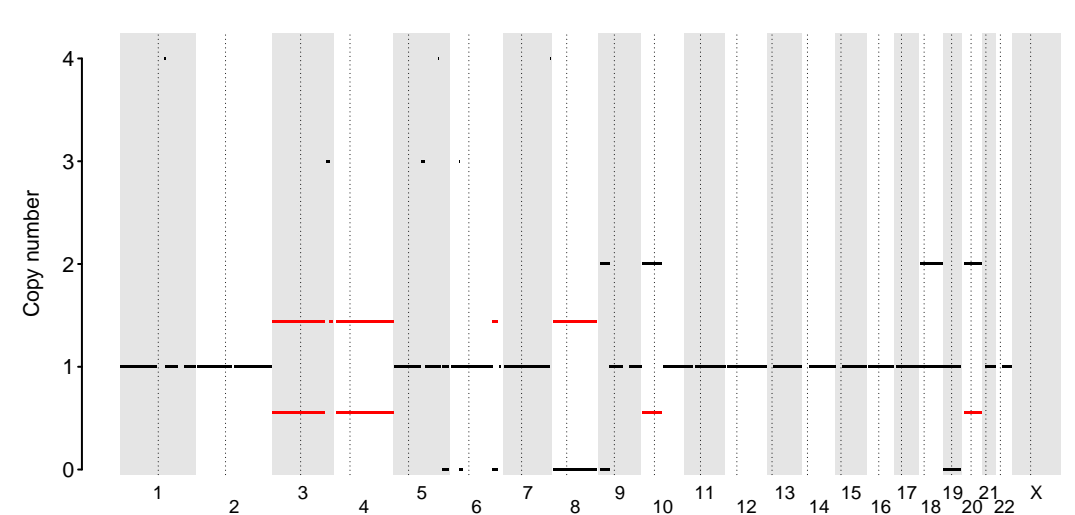
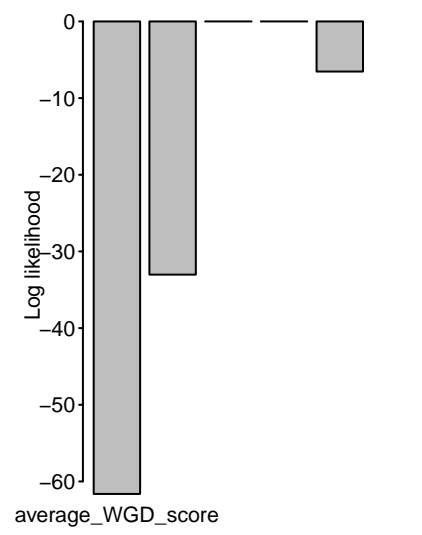
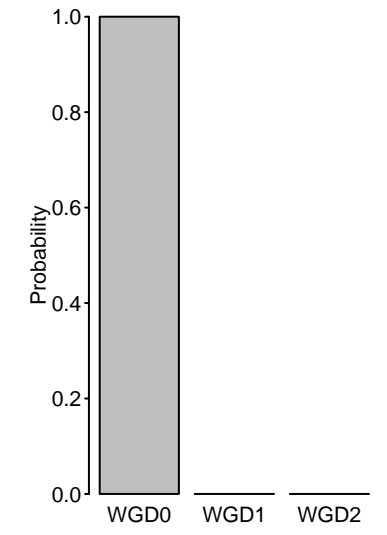
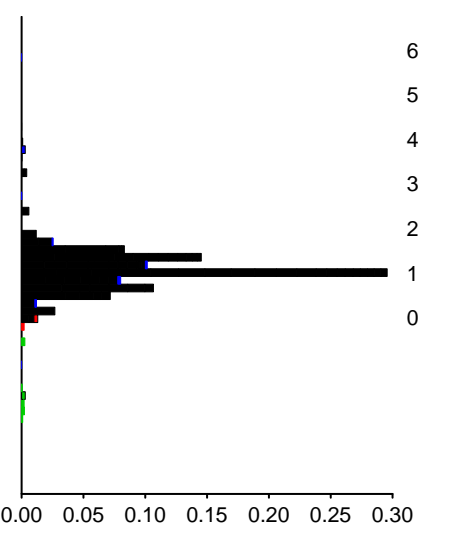
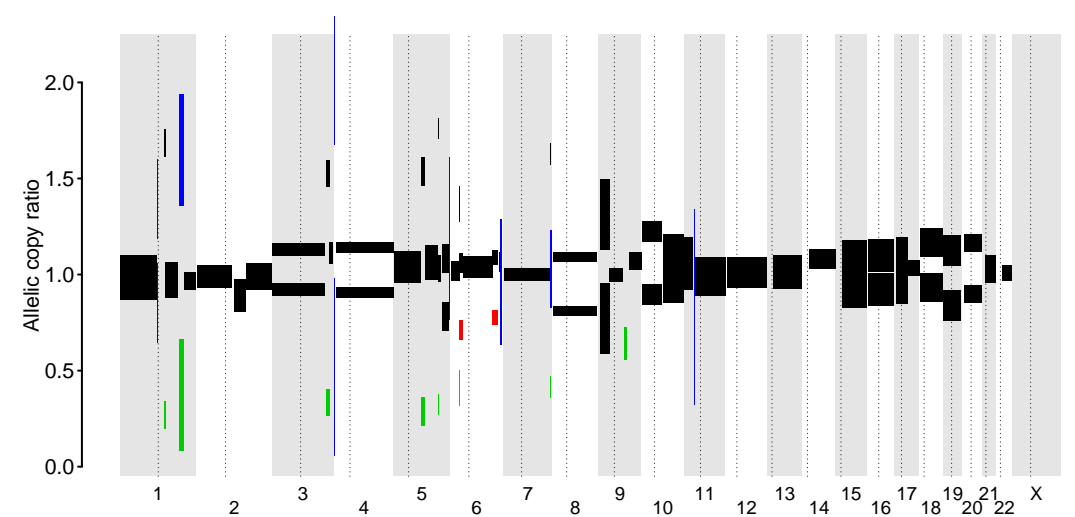
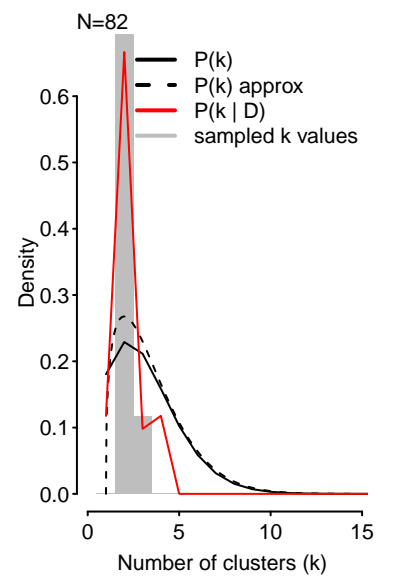
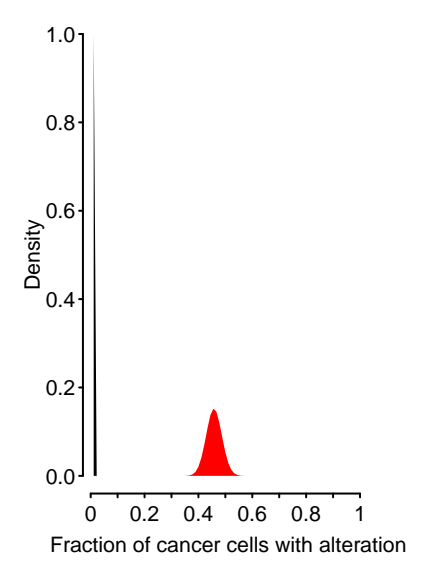
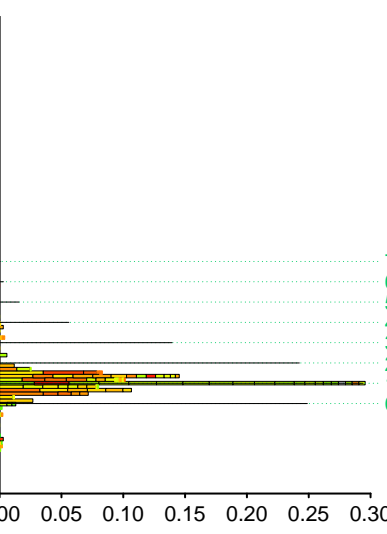
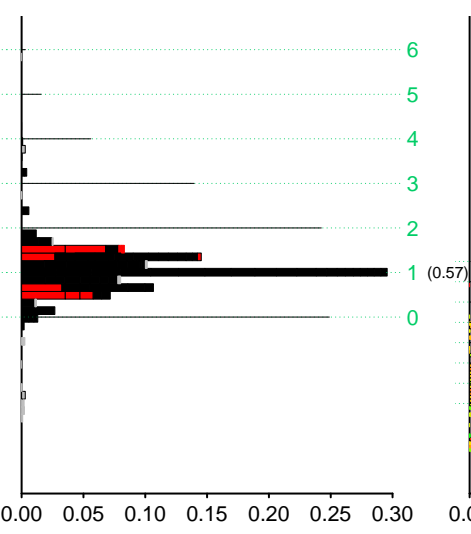
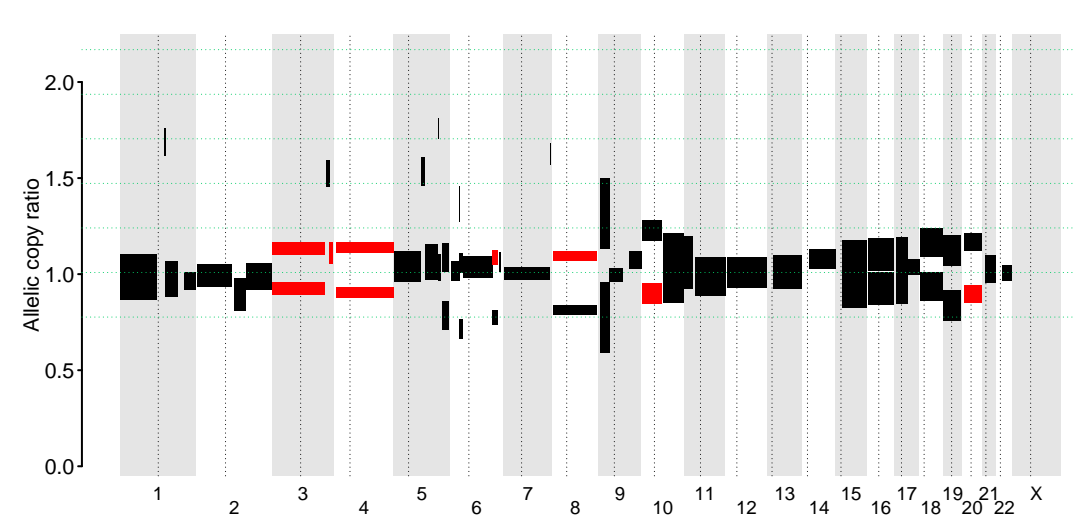
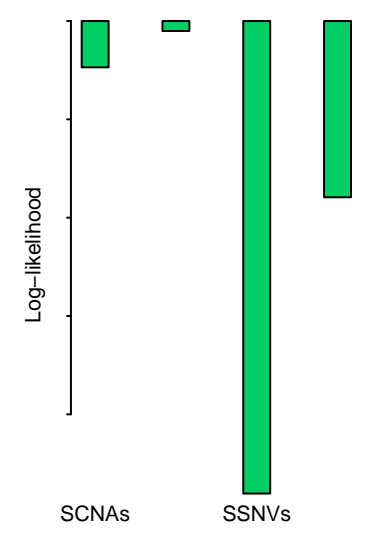
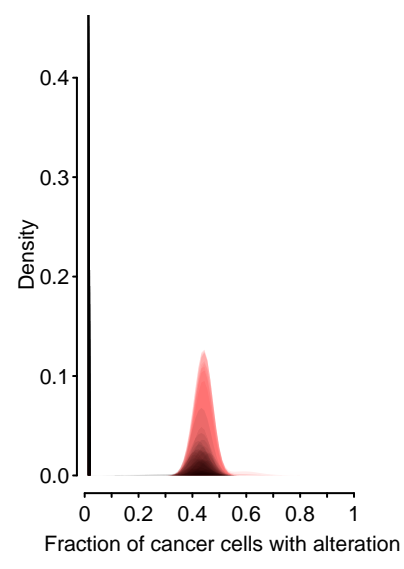
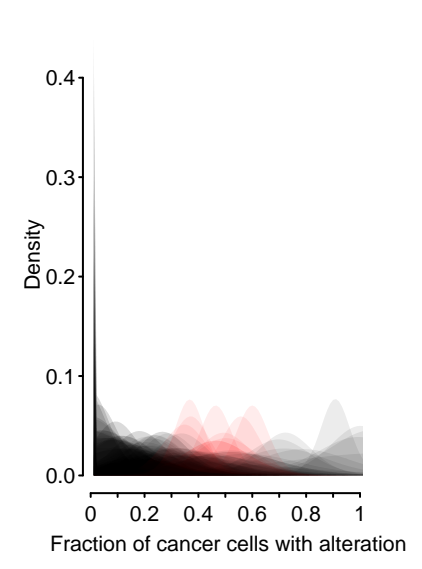
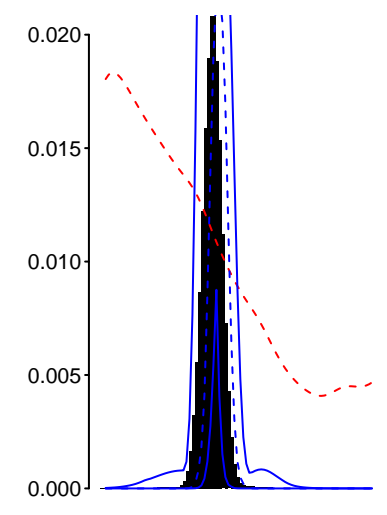
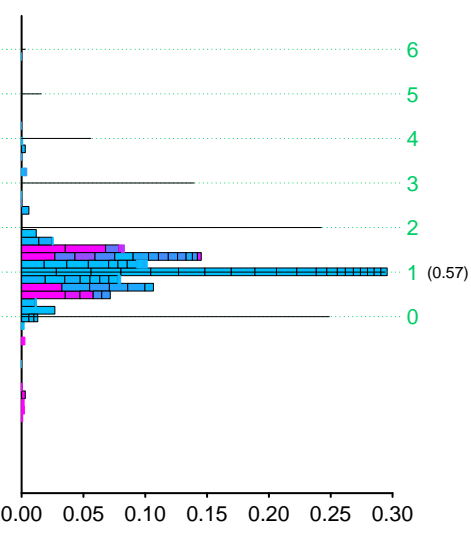
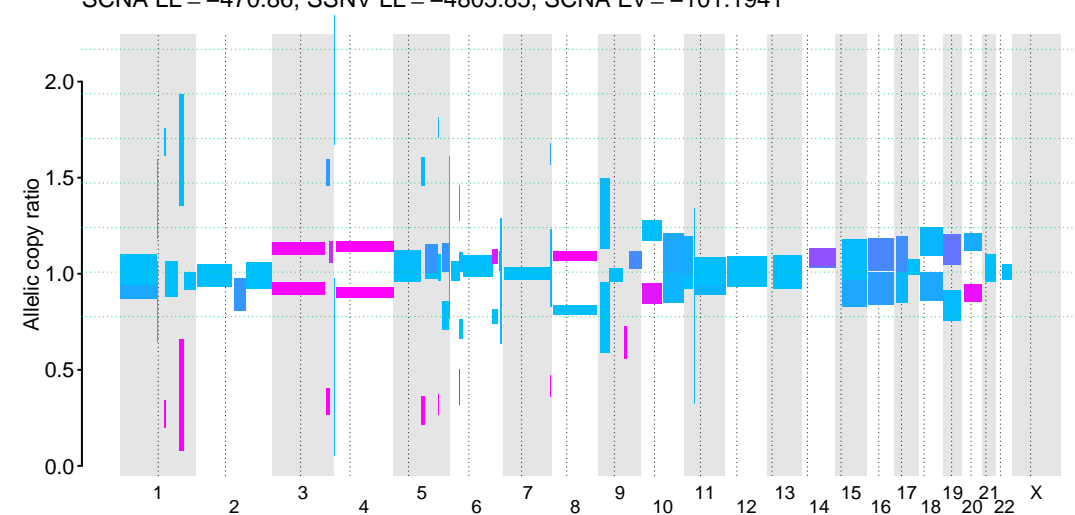
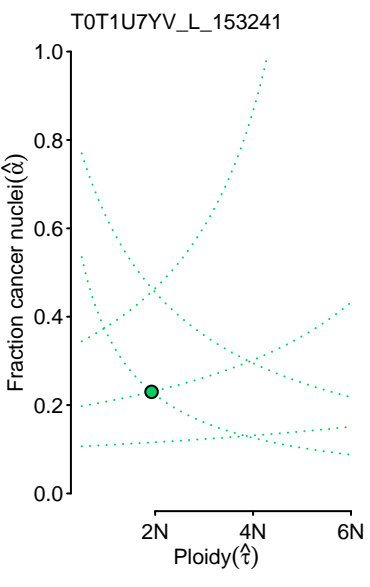
$\text{purity}(\hat{\alpha}) = 0.47$, ploidy: $\hat{t} = 1.96$, $\hat{t}_g = 2$
 $\theta_z = 0.01$, $\theta_Q = 1.363$, WGD=0
 SCNA LL = -198.33, SSNV LL = -4125.69, SCNA Ev = -29.60161



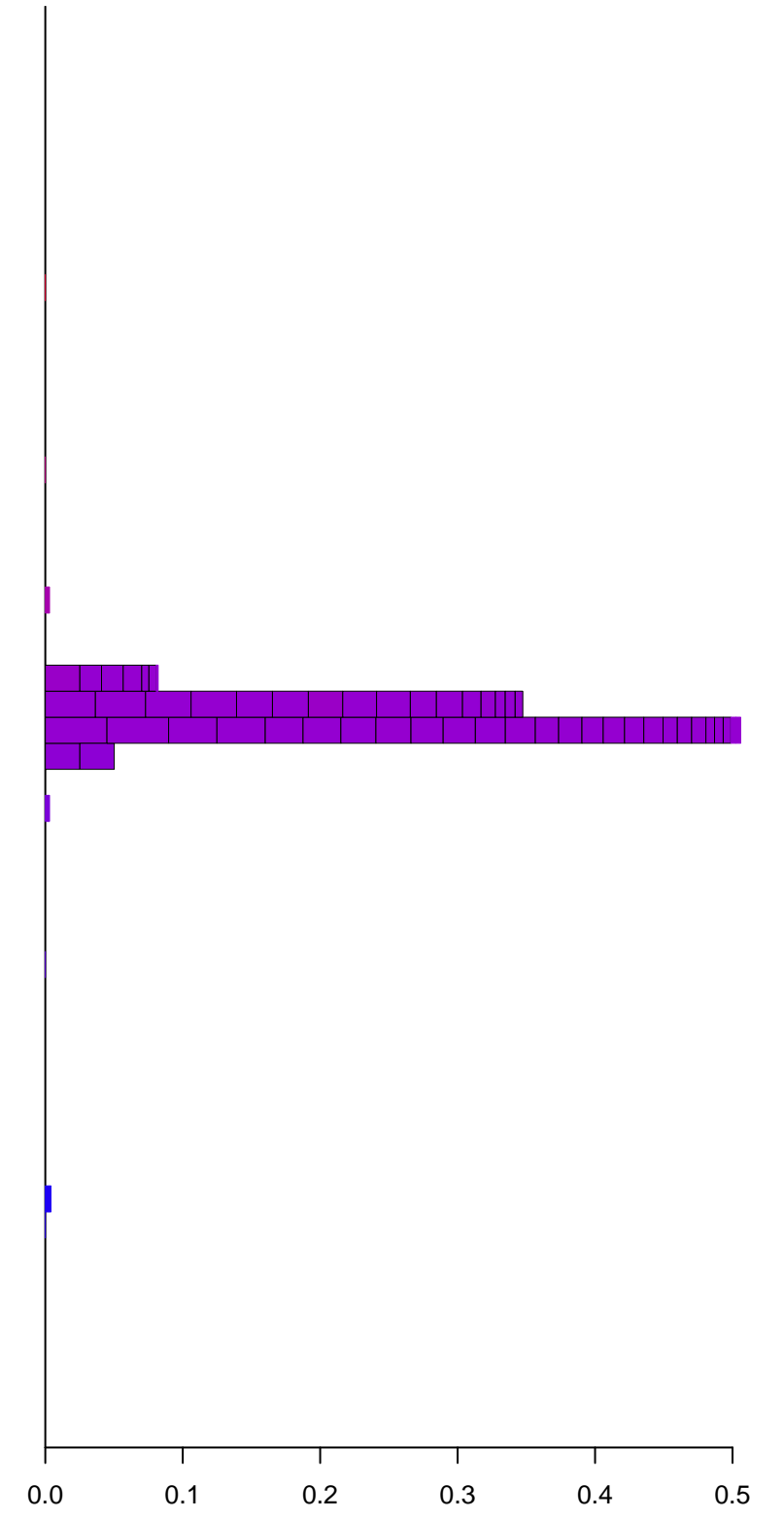
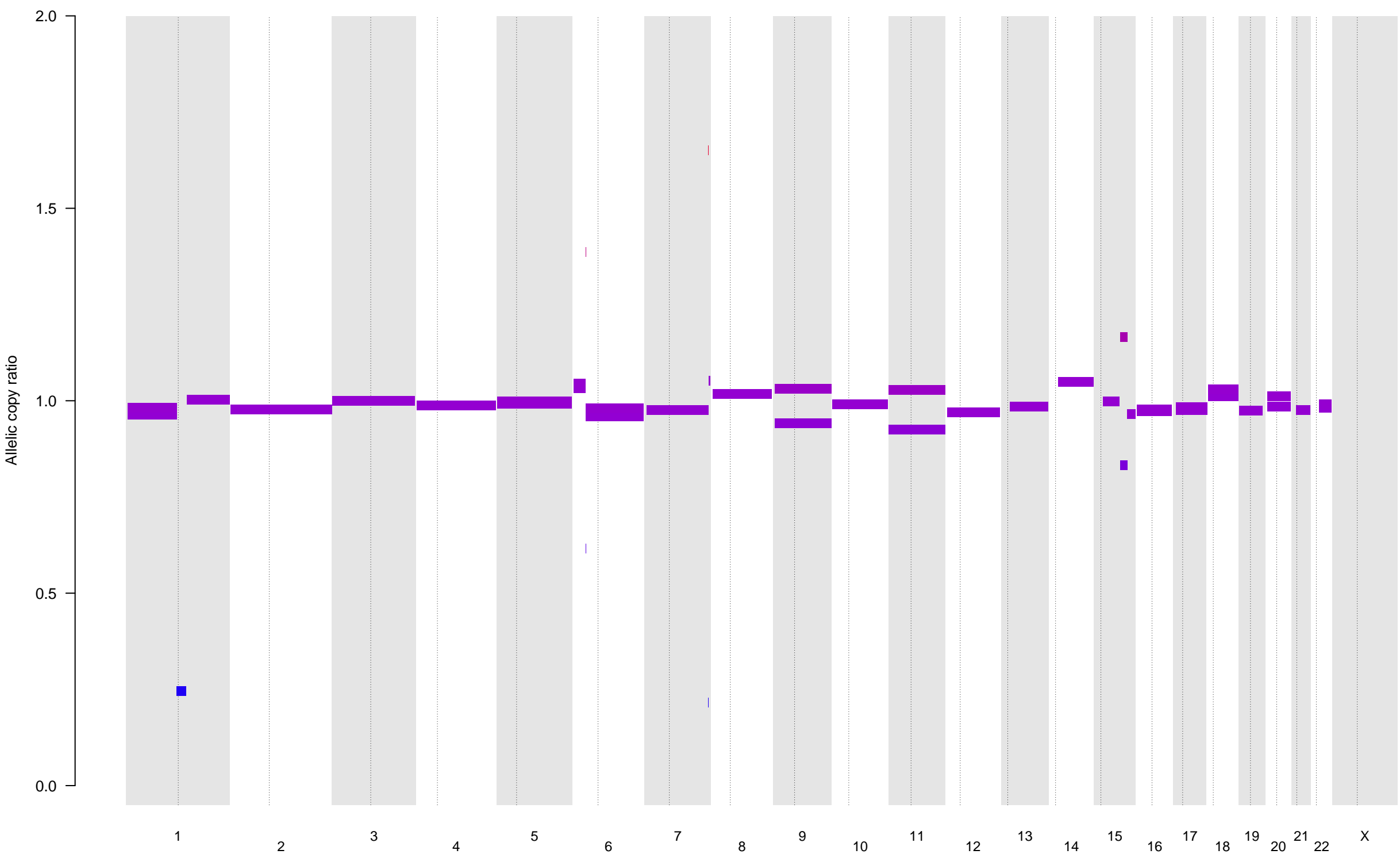
Sample 89



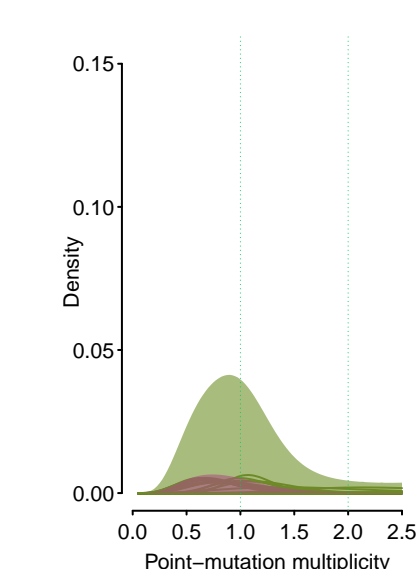
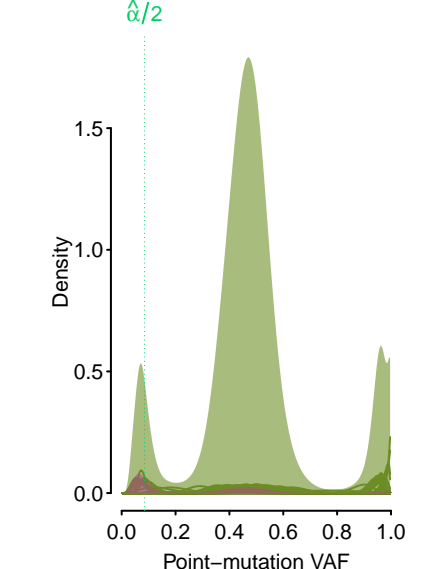
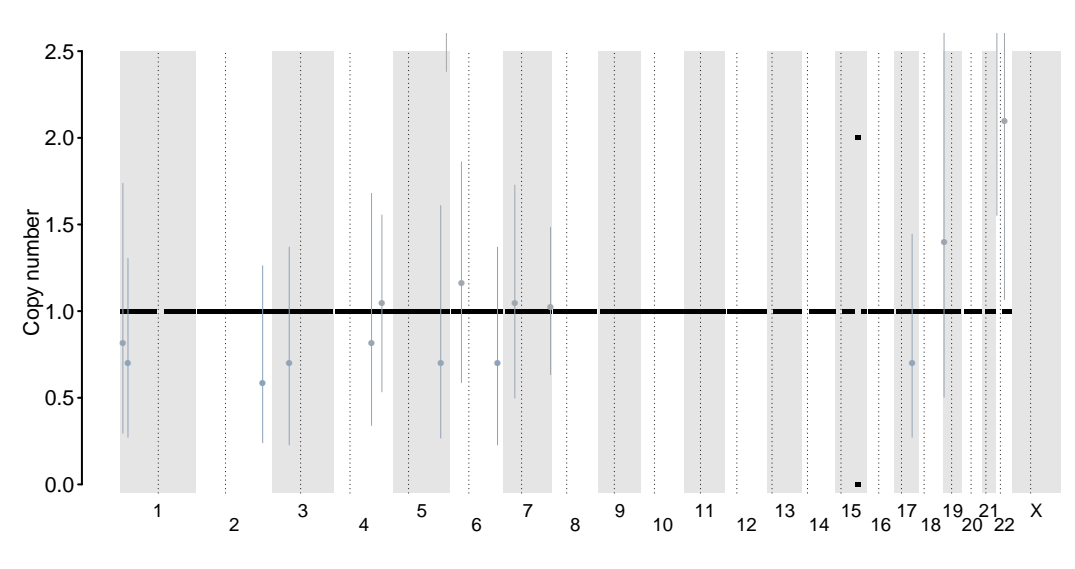
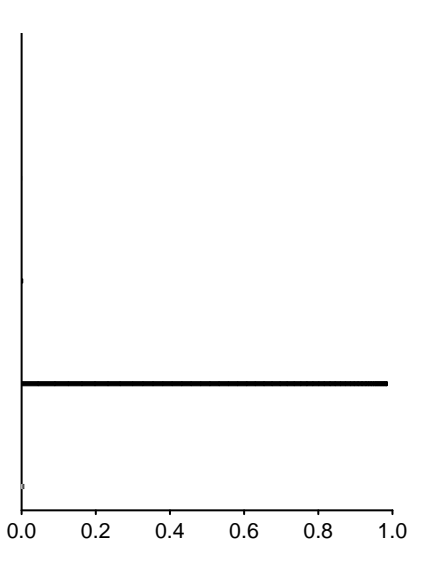
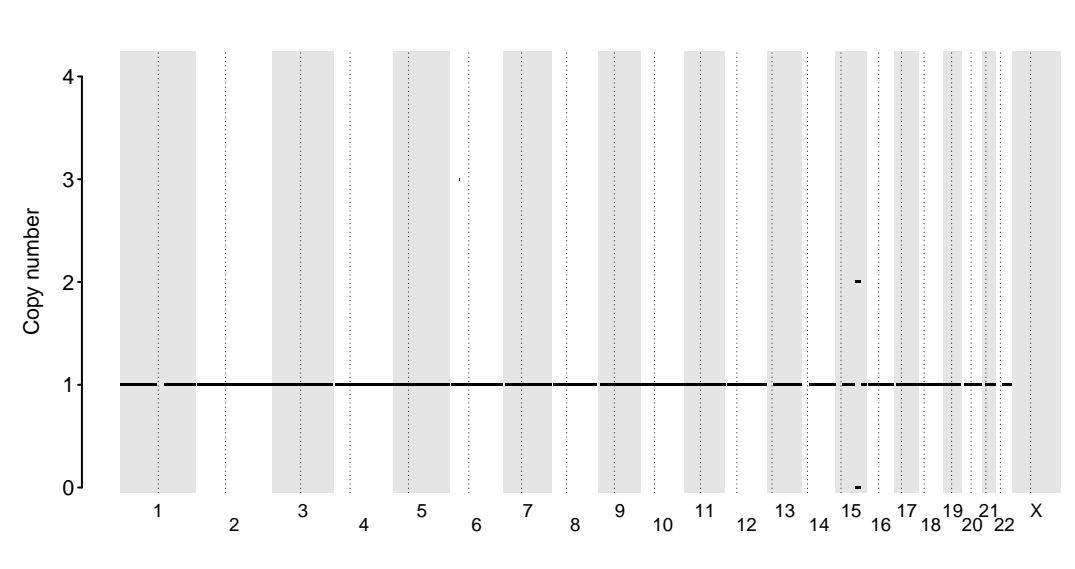
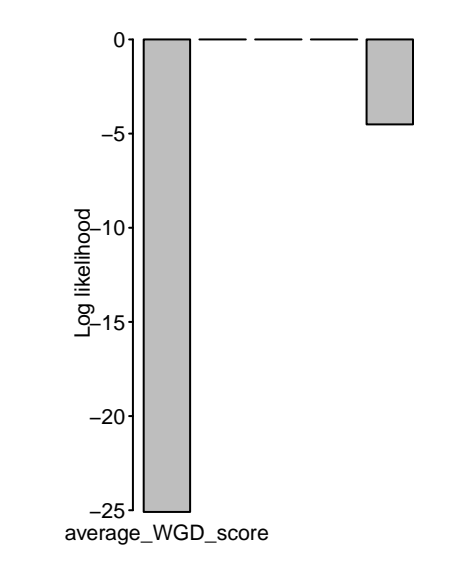
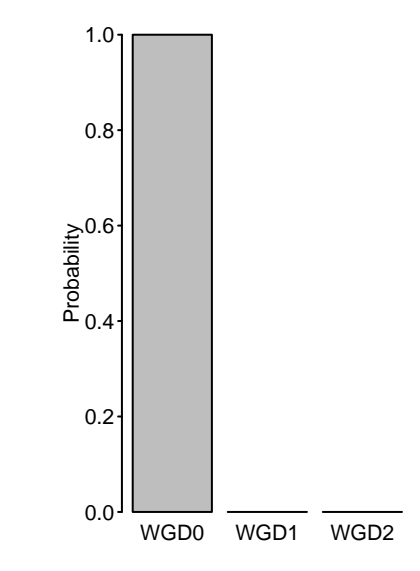
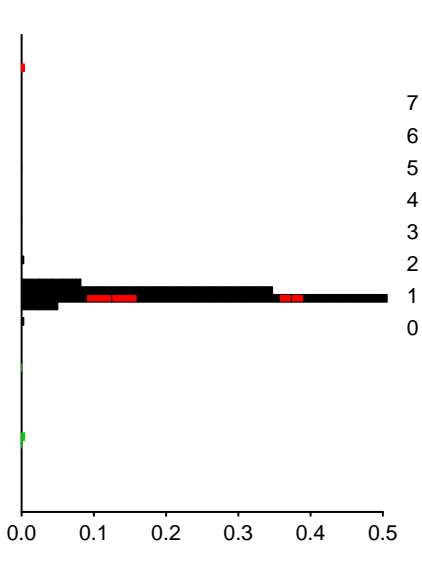
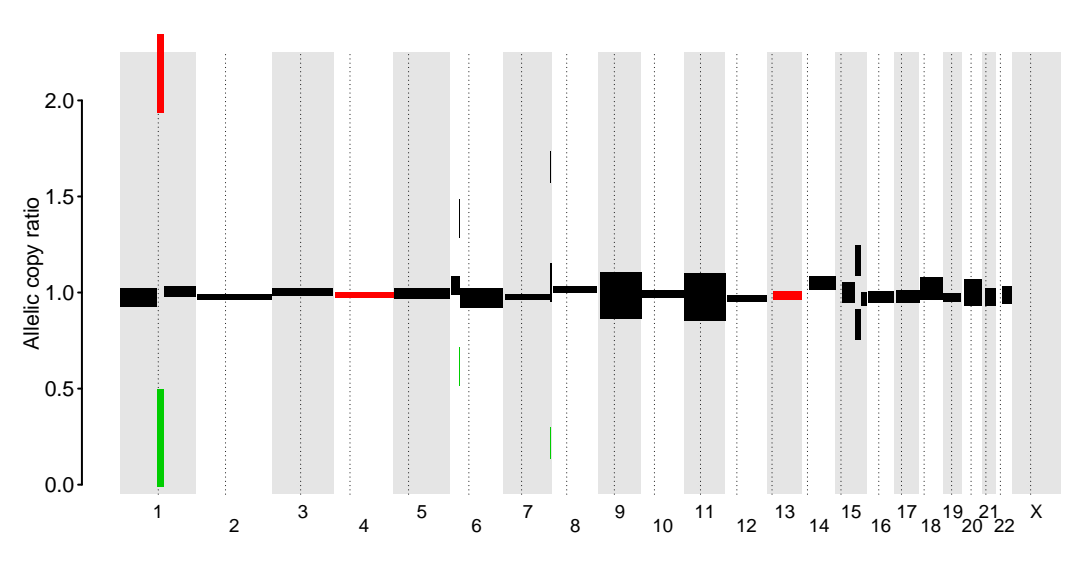
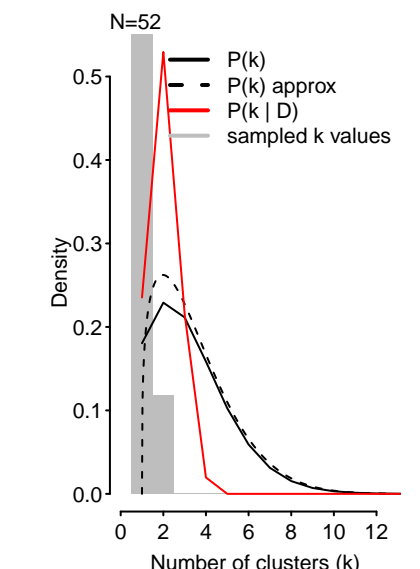
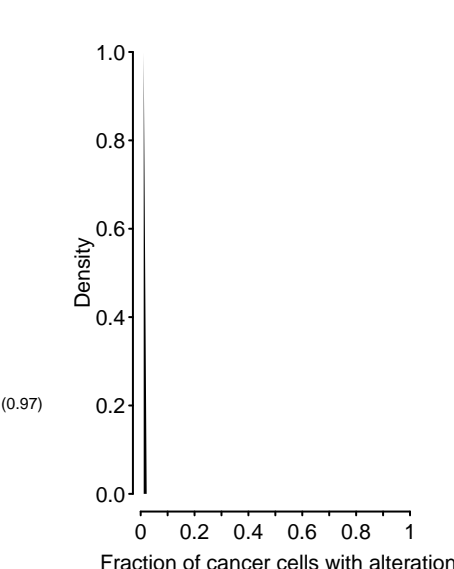
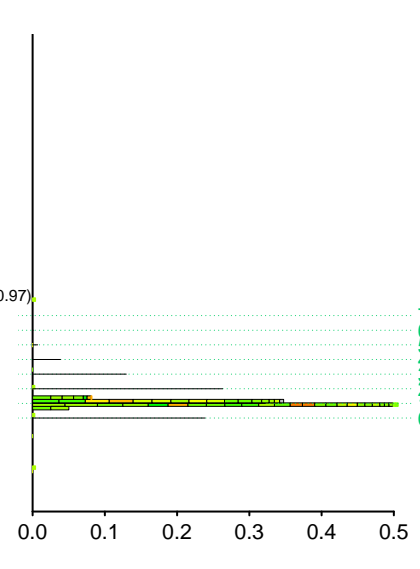
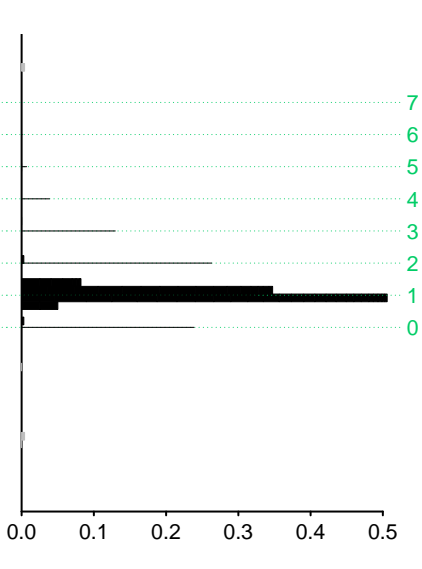
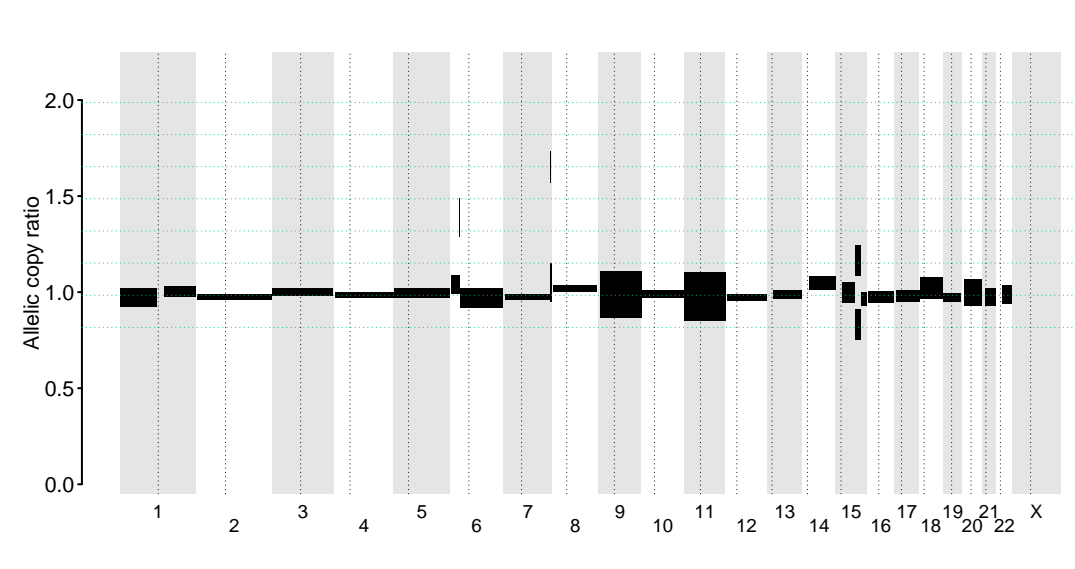
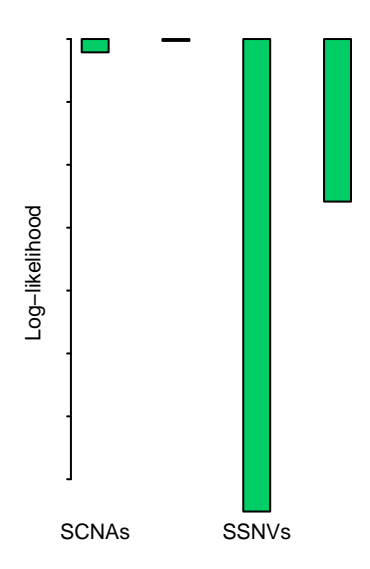
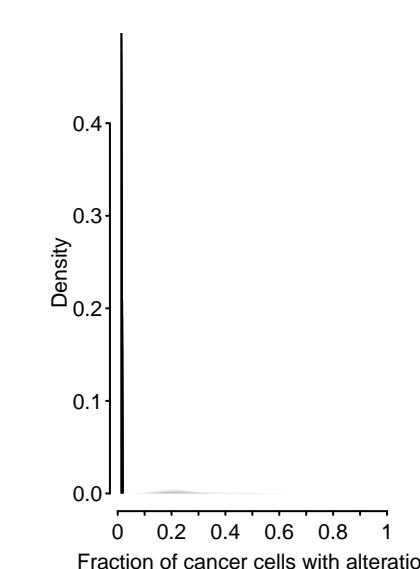
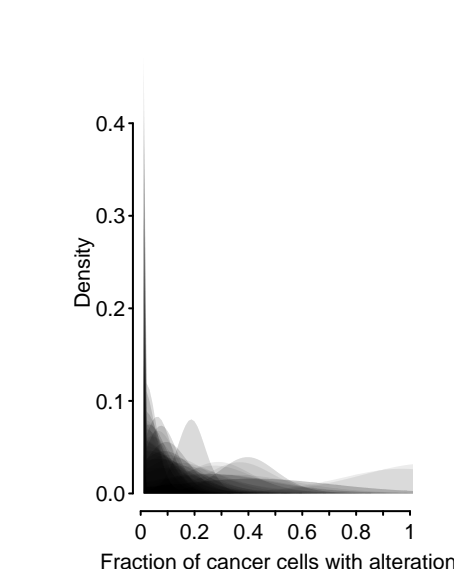
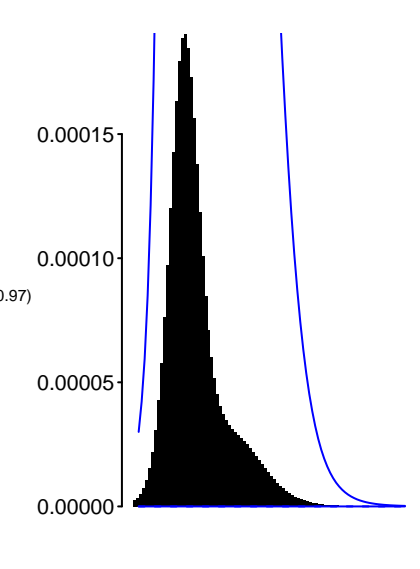
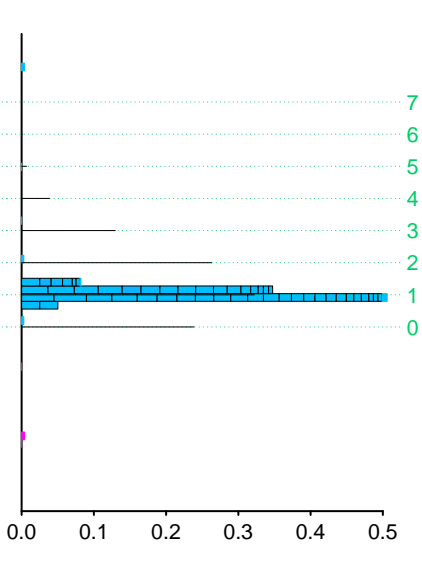
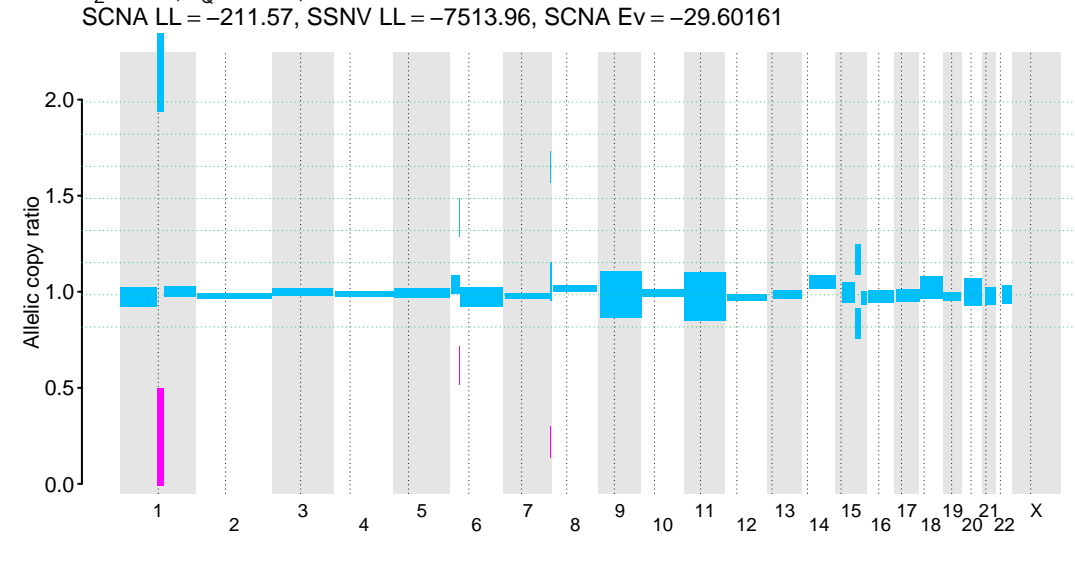
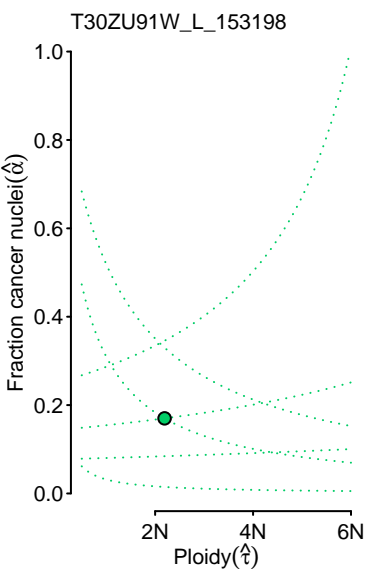
purity($\hat{\alpha}$) = 0.23, ploidy: $\hat{t} = 1.93$, $\hat{t}_g = 2.09$
 $\theta_z = 0.25$, $\theta_Q = 1.667$, WGD=0
 SCNA LL = -470.86, SSNV LL = -4805.85, SCNA Ev = -101.1941



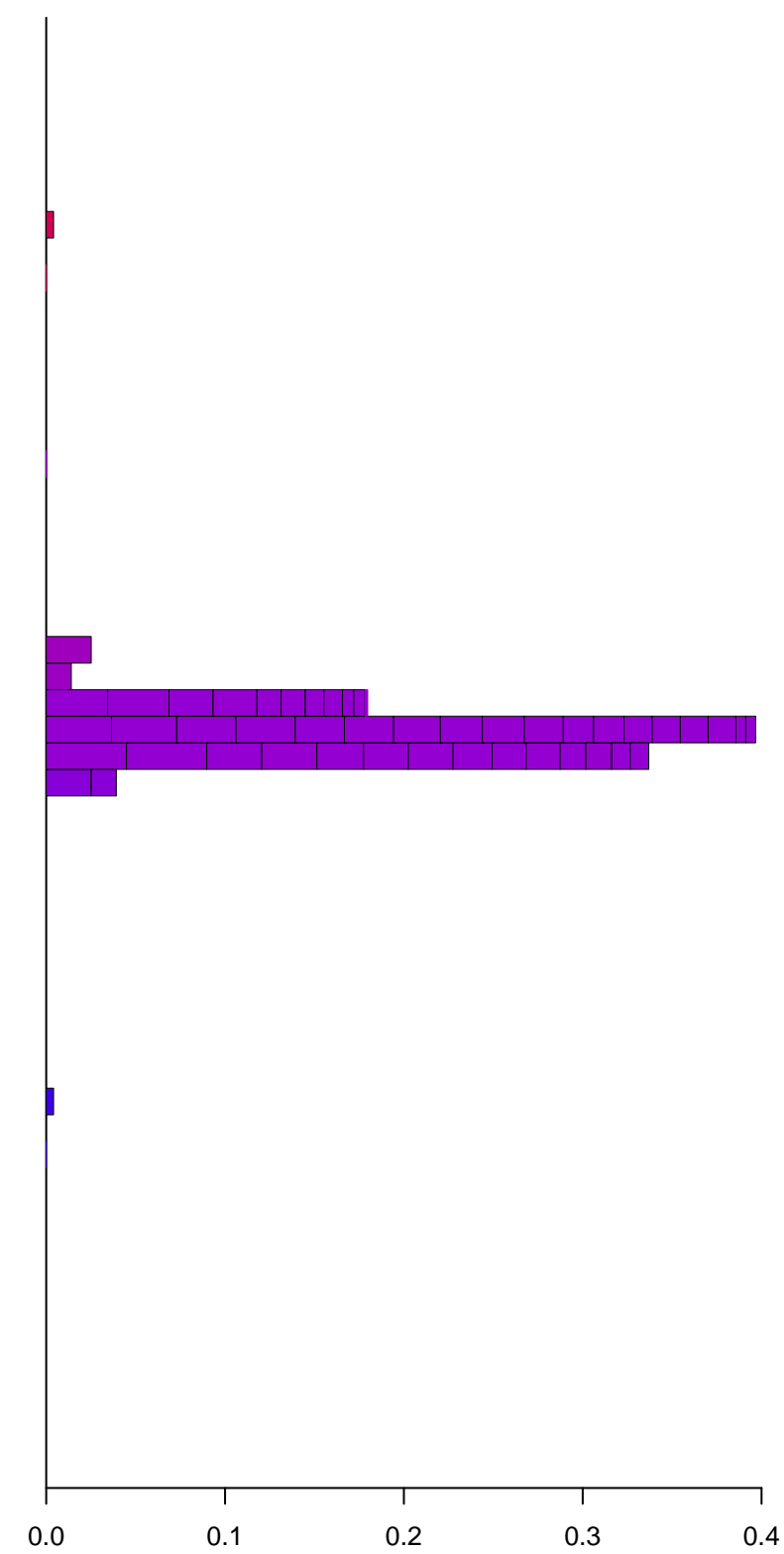
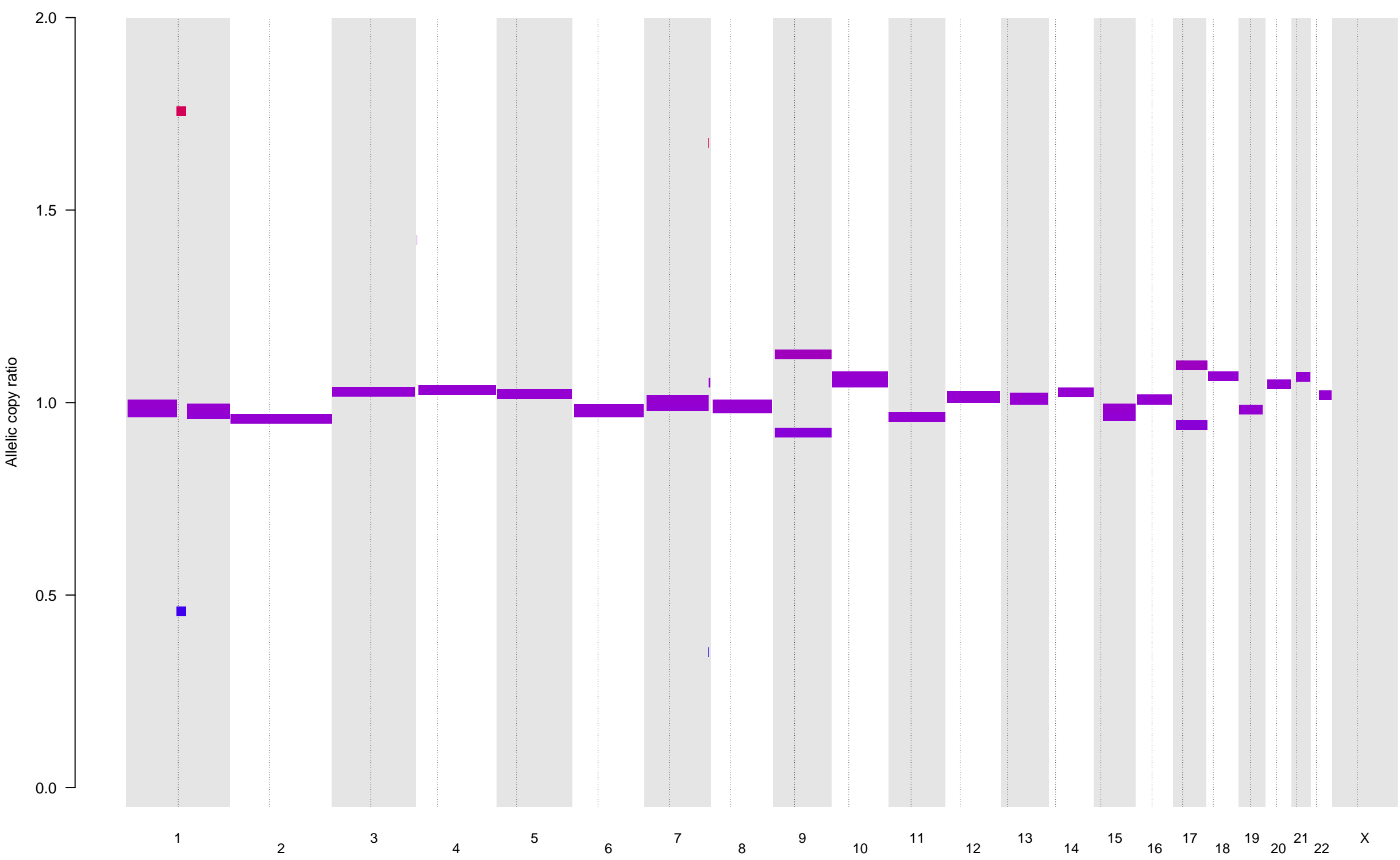
Sample 90

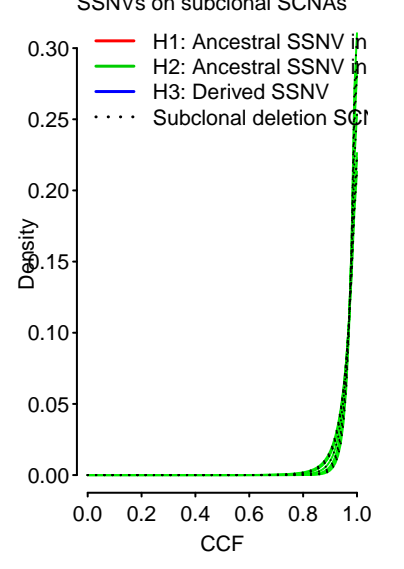
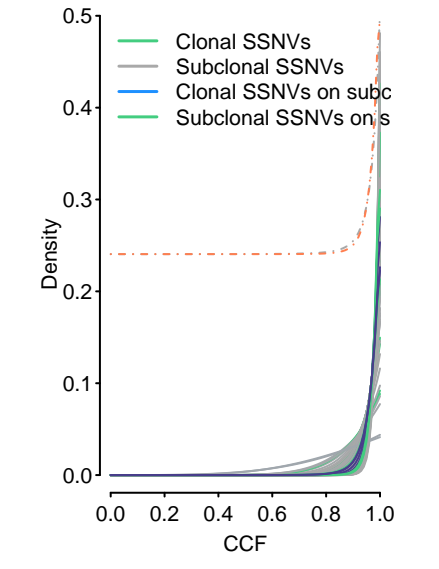
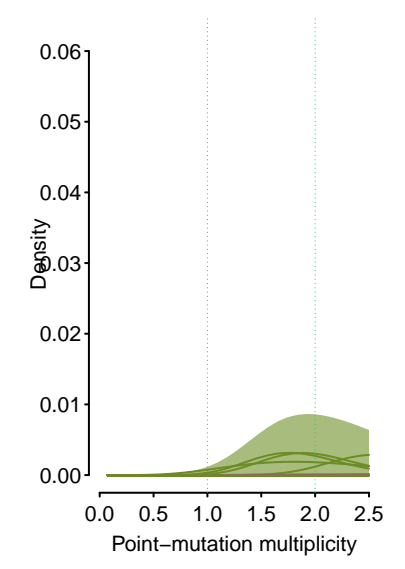
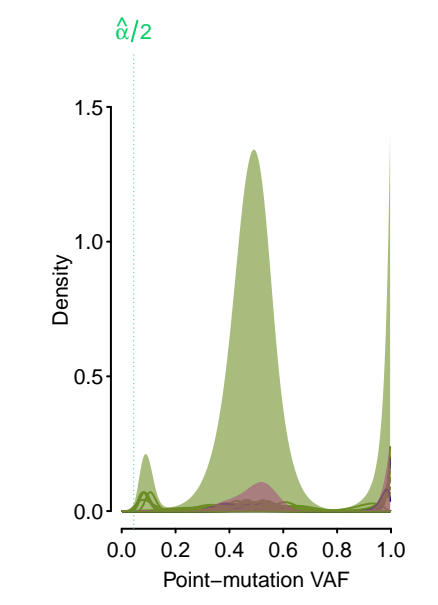
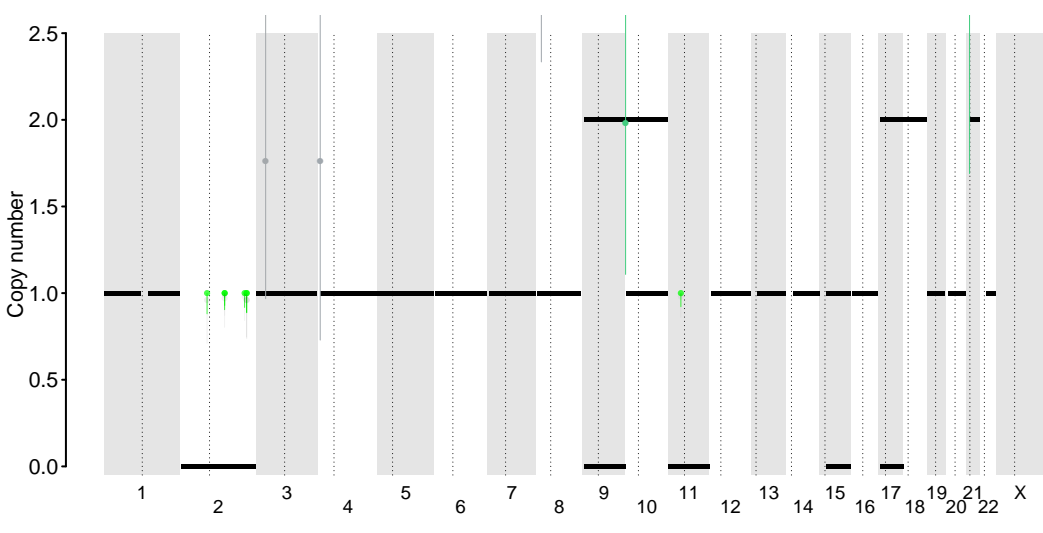
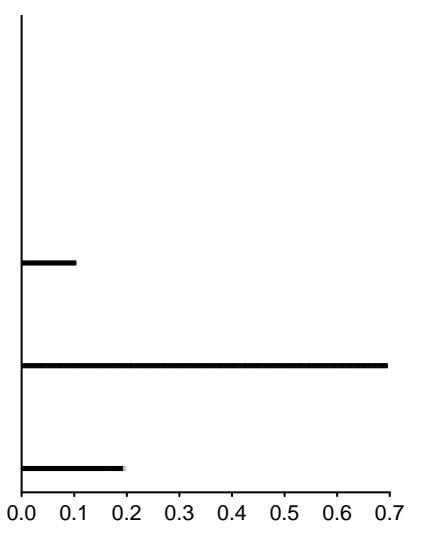
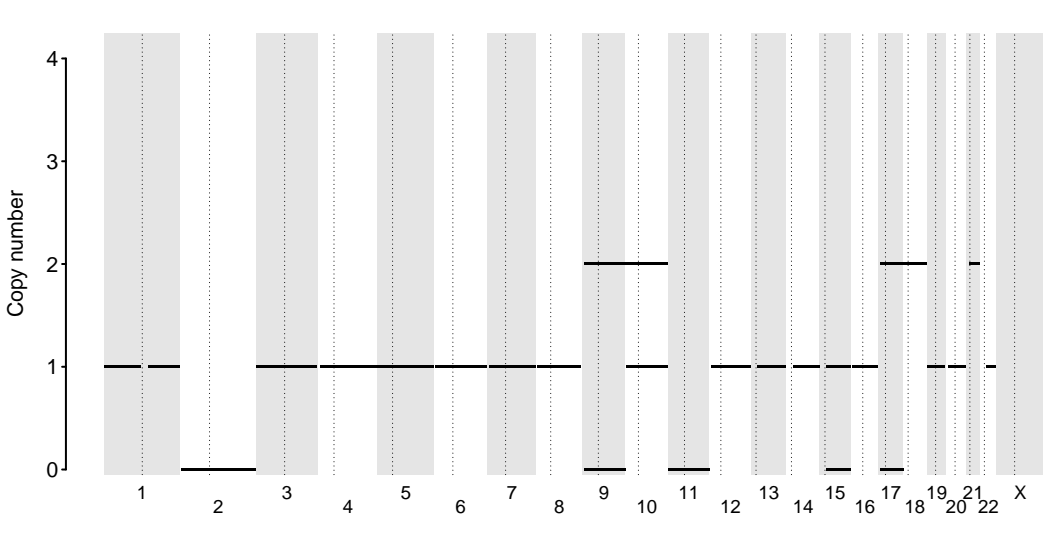
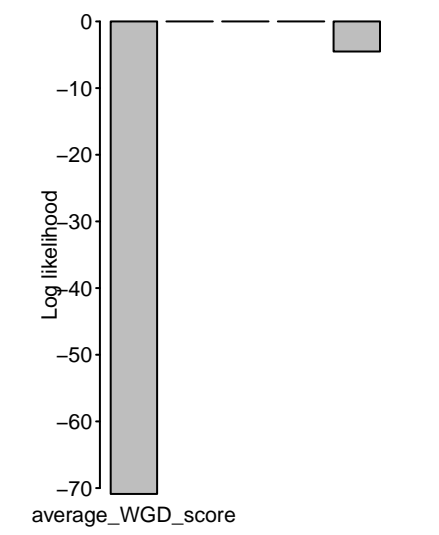
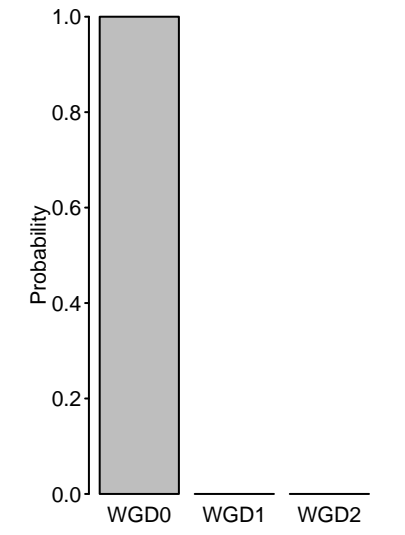
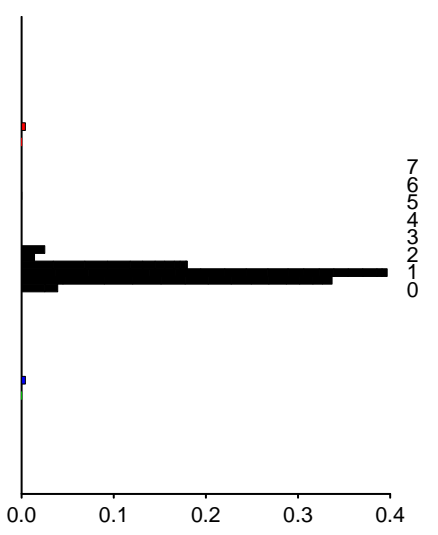
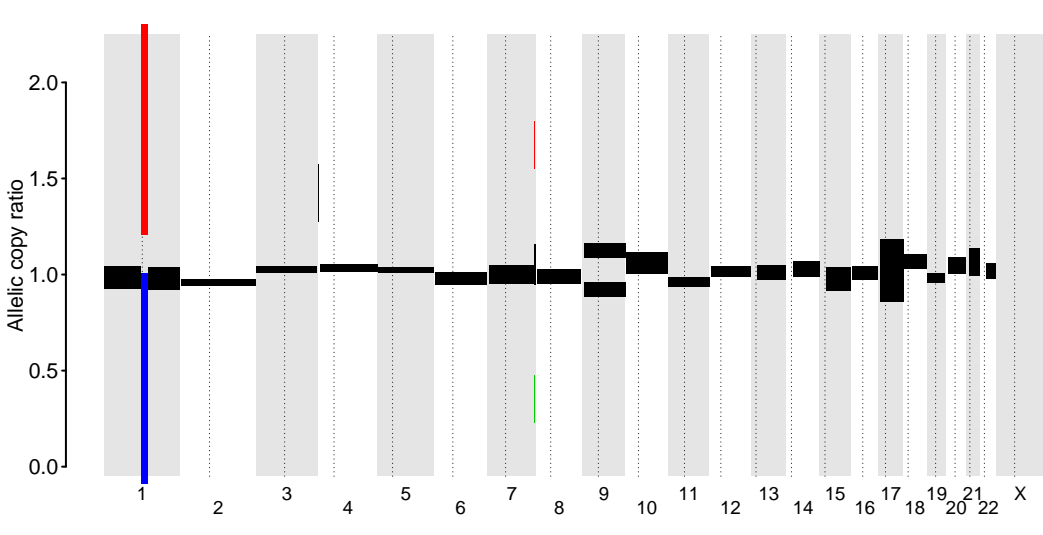
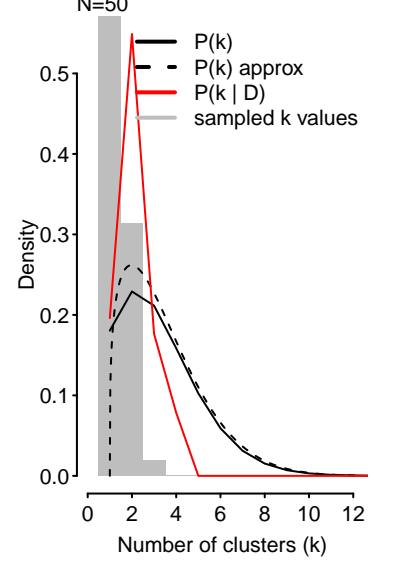
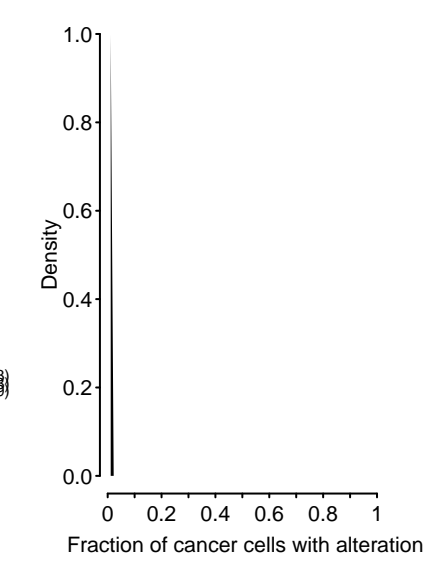
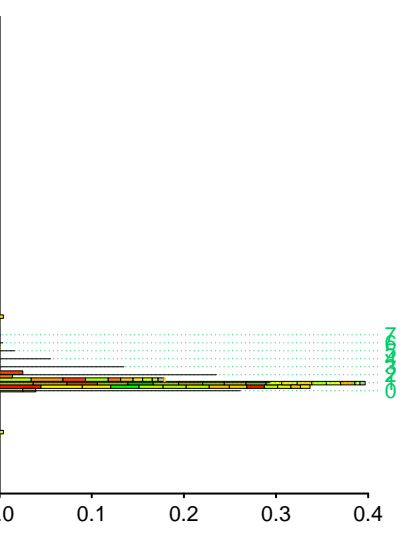
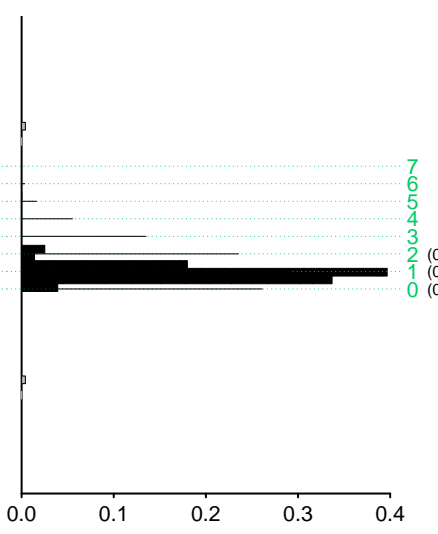
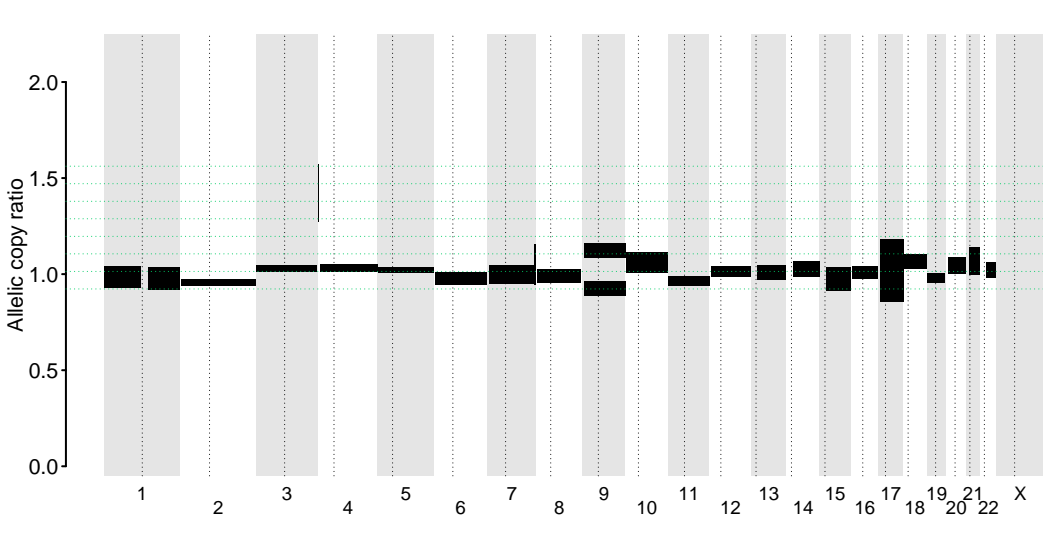
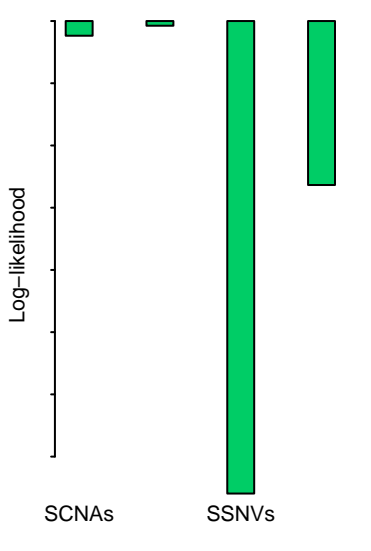
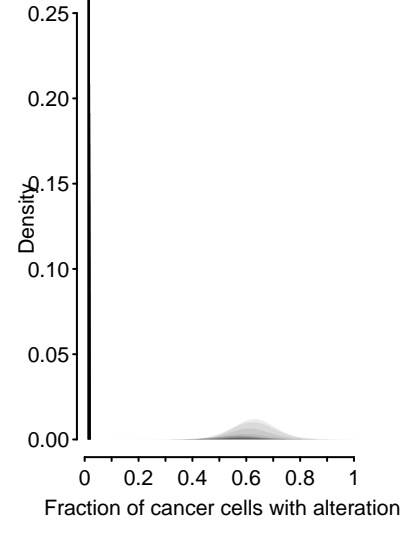
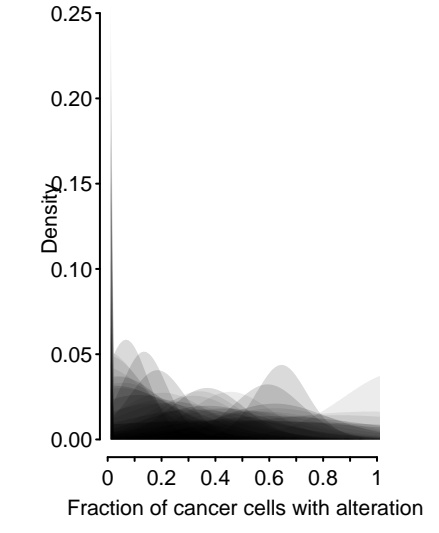
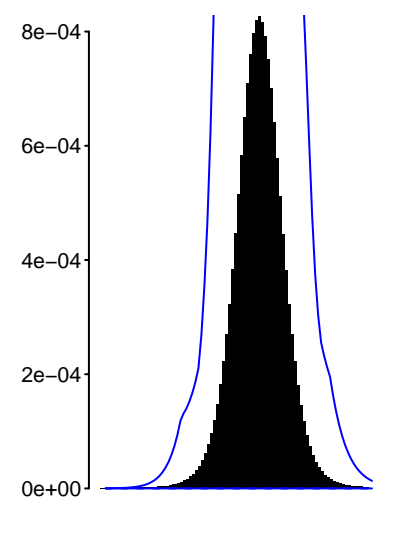
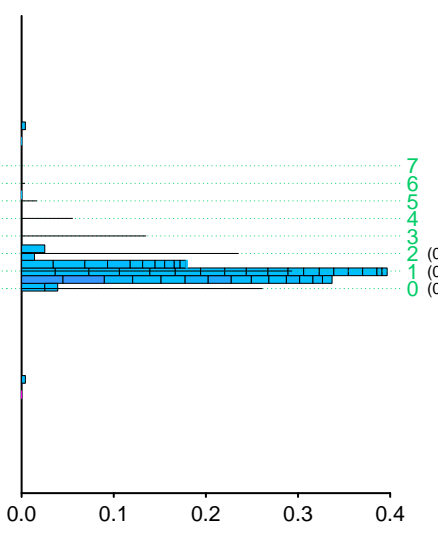
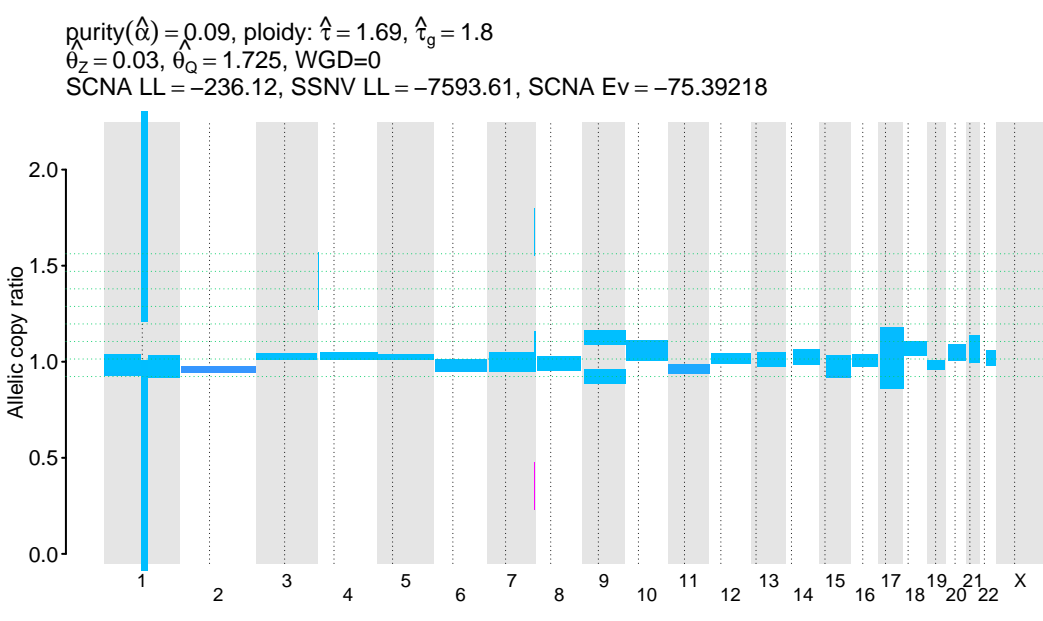
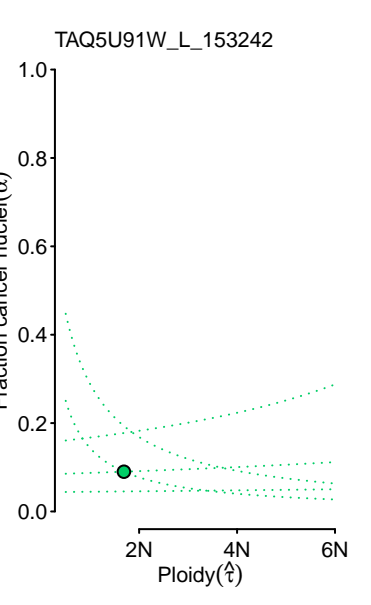


$\hat{purity}(\hat{\alpha}) = 0.17$, ploidy: $\hat{t} = 2.19$, $\hat{t}_g = 2.03$
 $\hat{\theta}_z = 0.01$, $\hat{\theta}_a = 1.409$, WGD=0
 SCNA LL = -211.57, SSNV LL = -7513.96, SCNA Ev = -29.60161

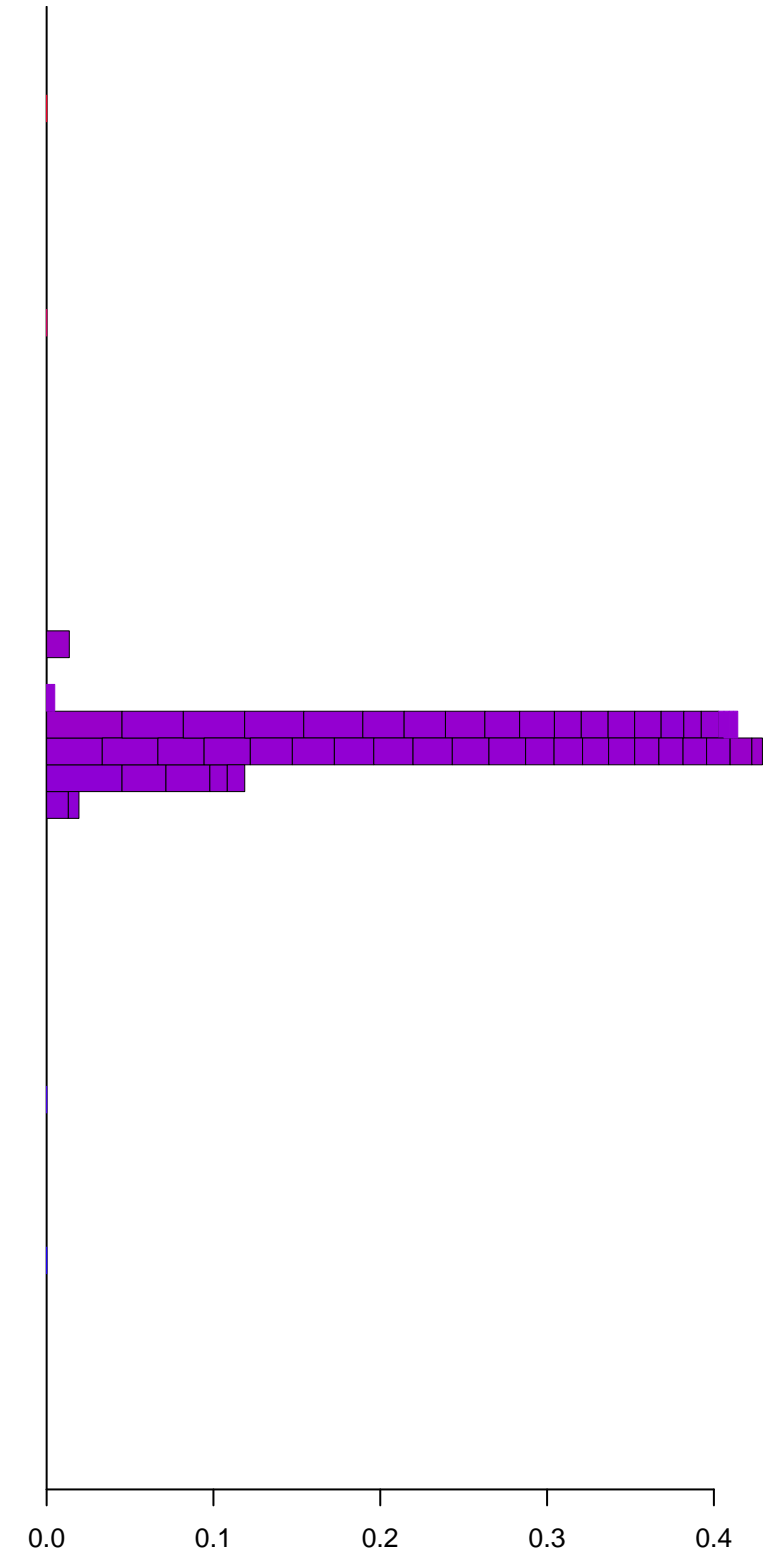
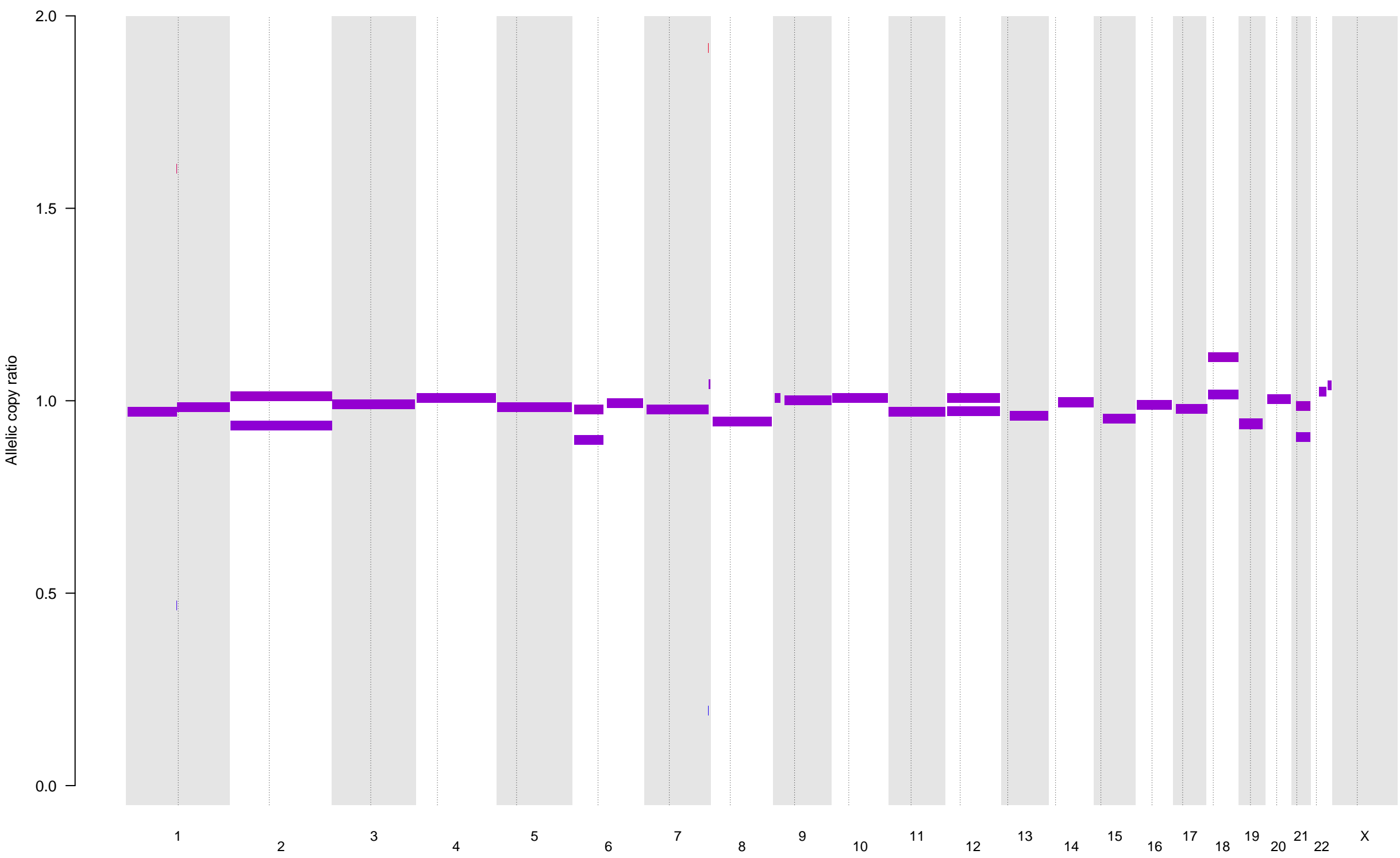


Sample 91

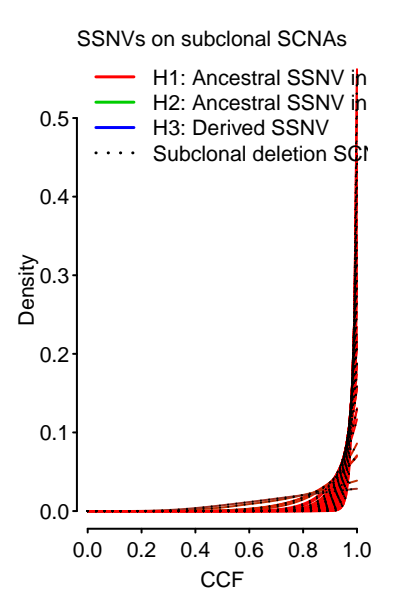
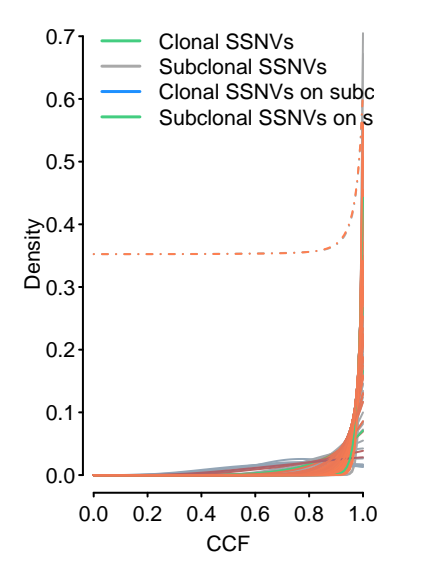
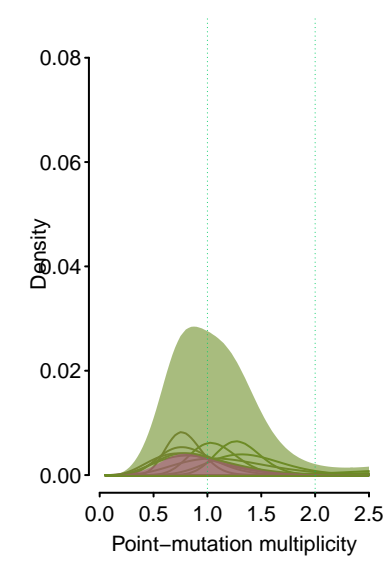
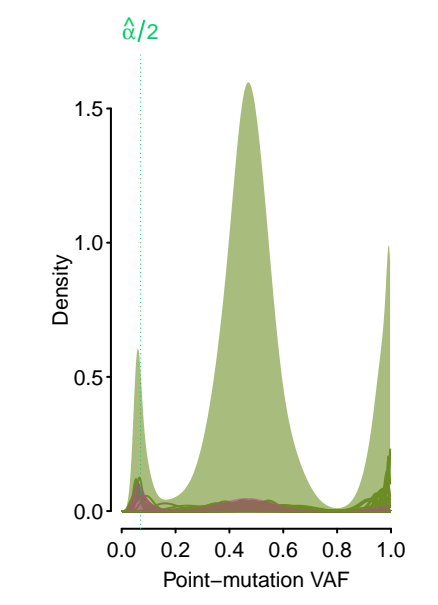
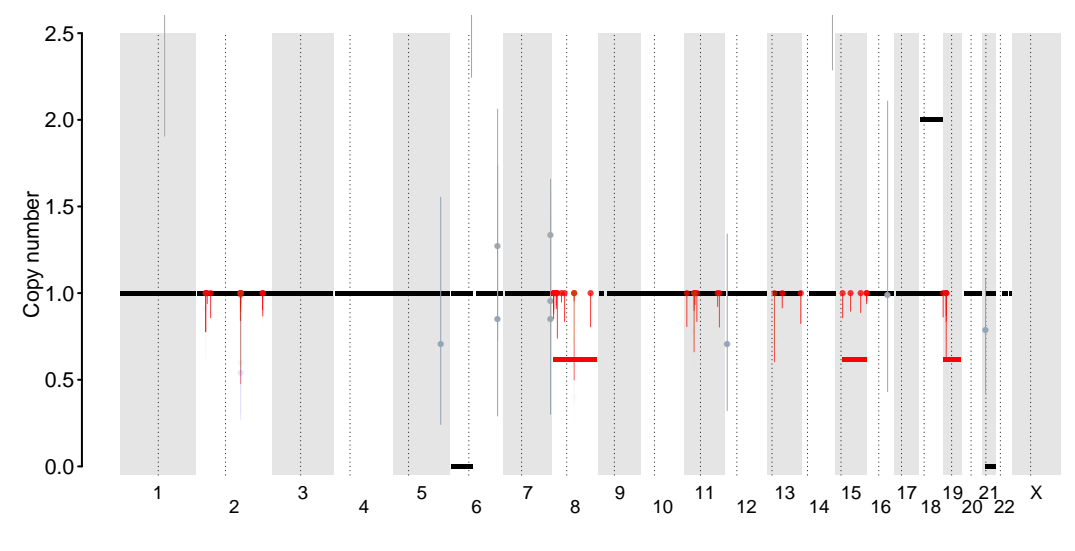
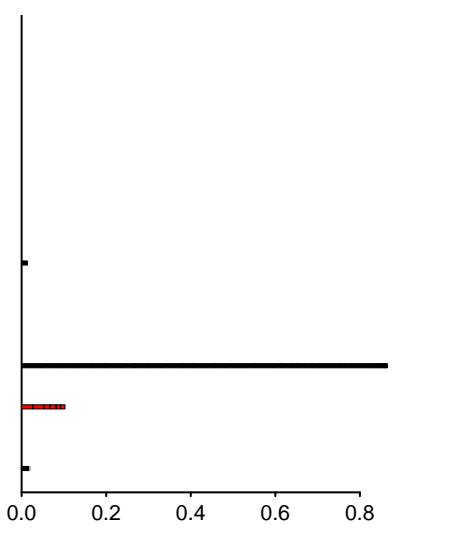
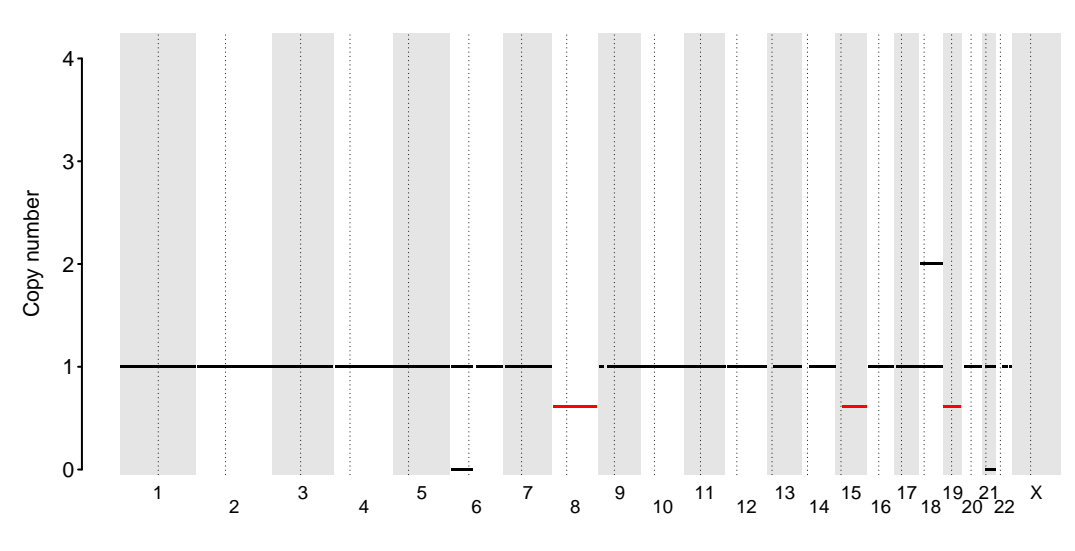
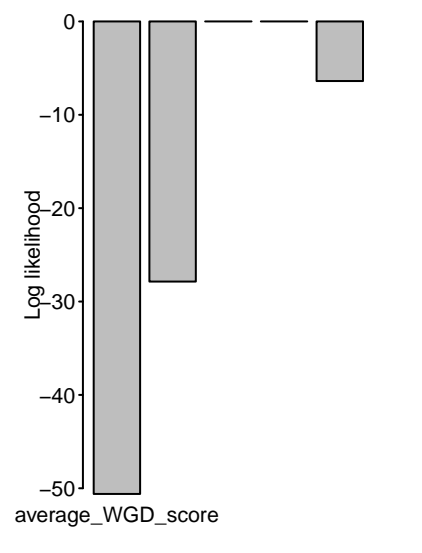
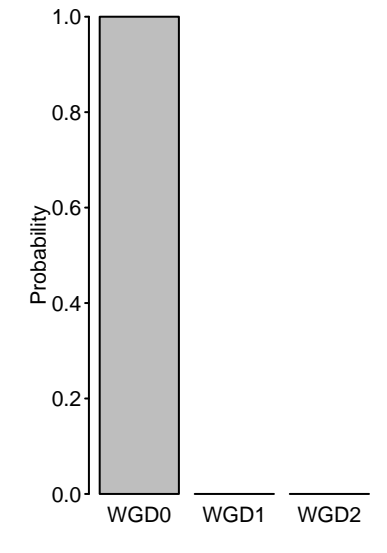
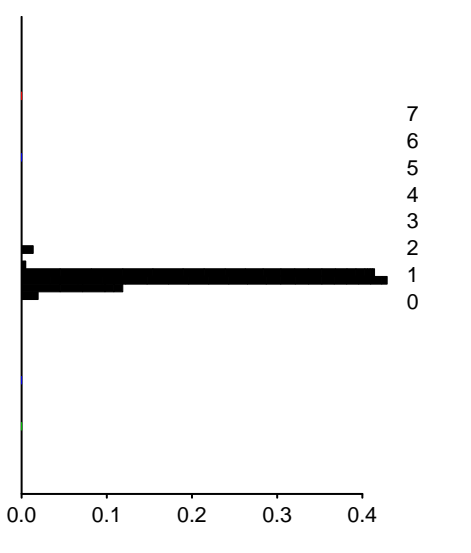
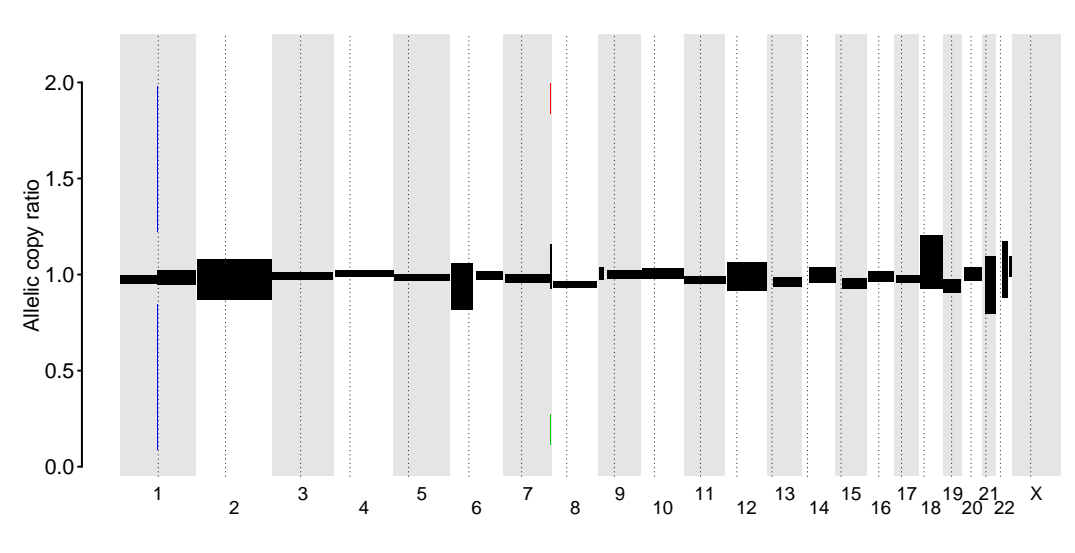
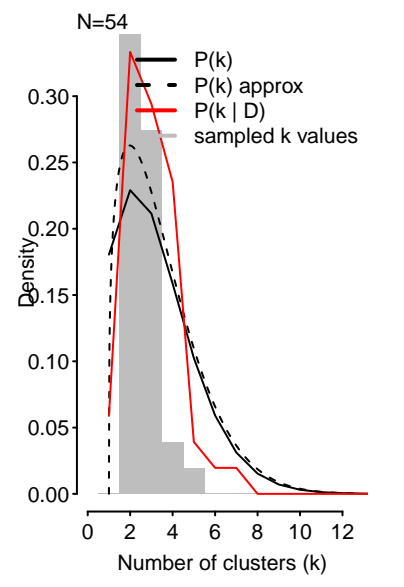
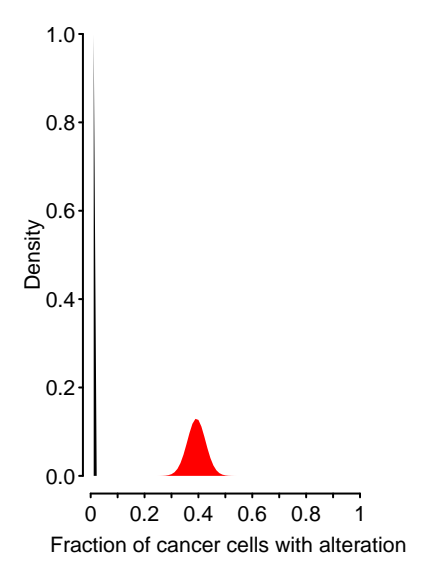
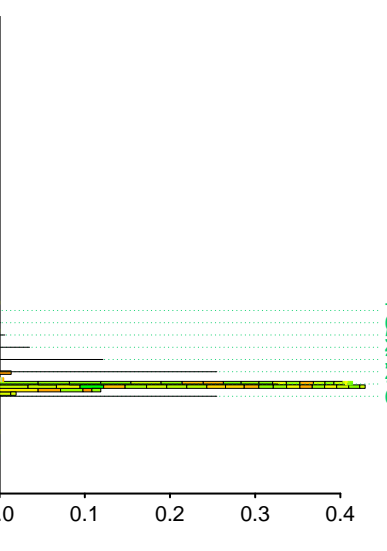
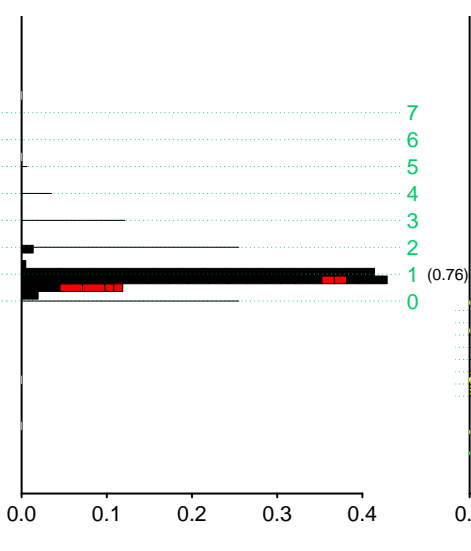
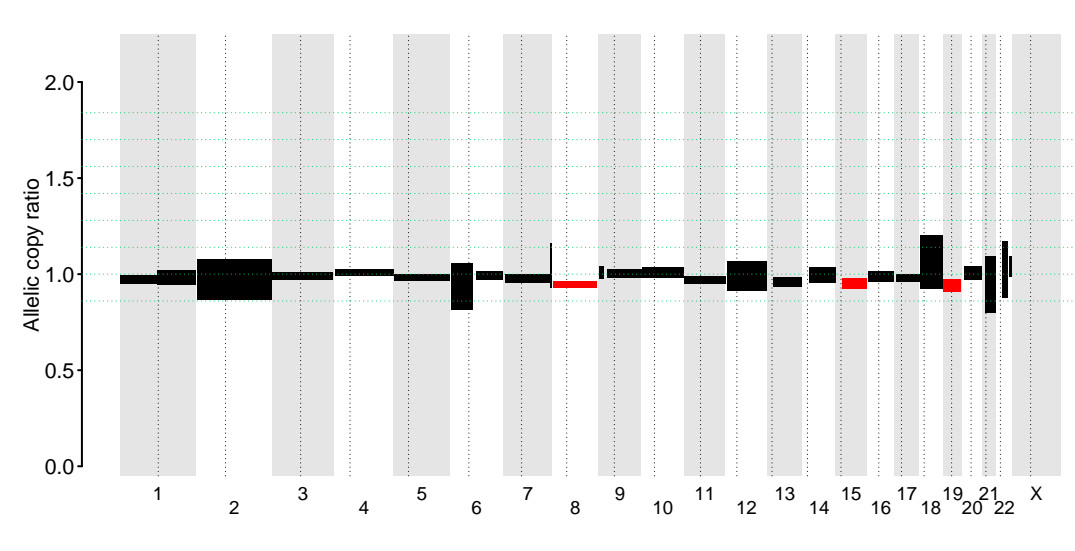
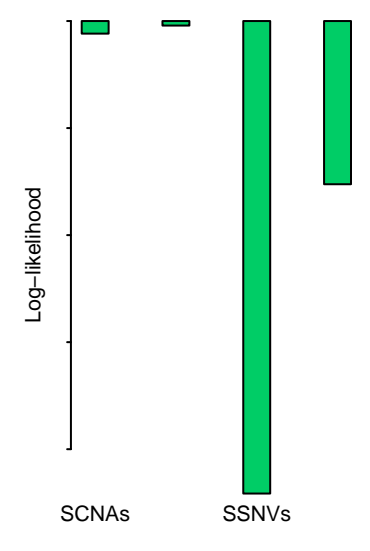
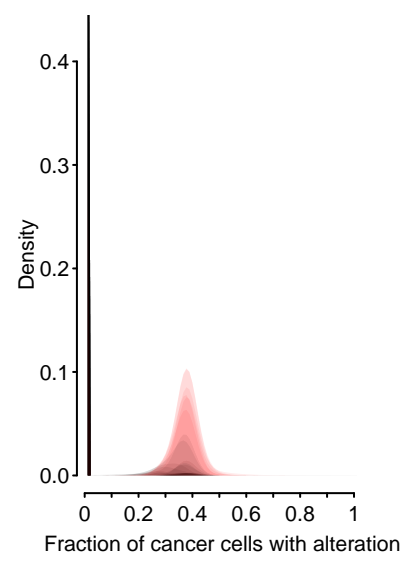
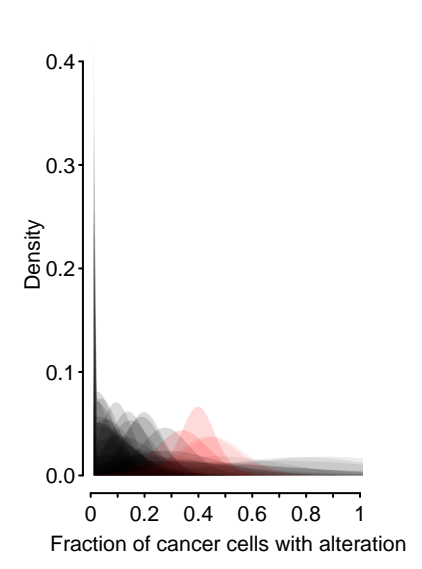
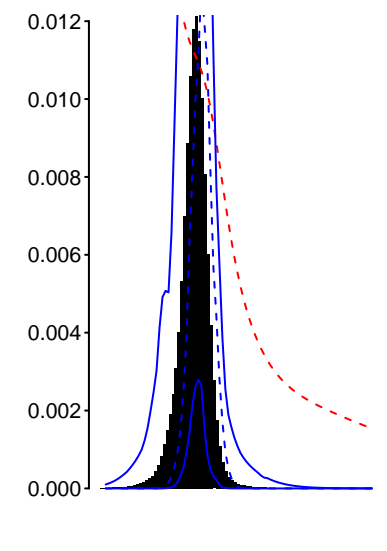
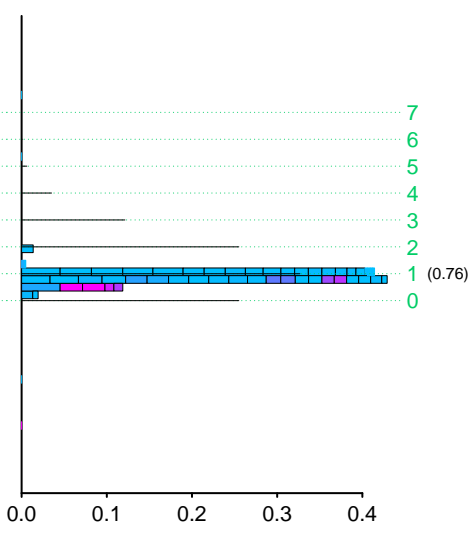
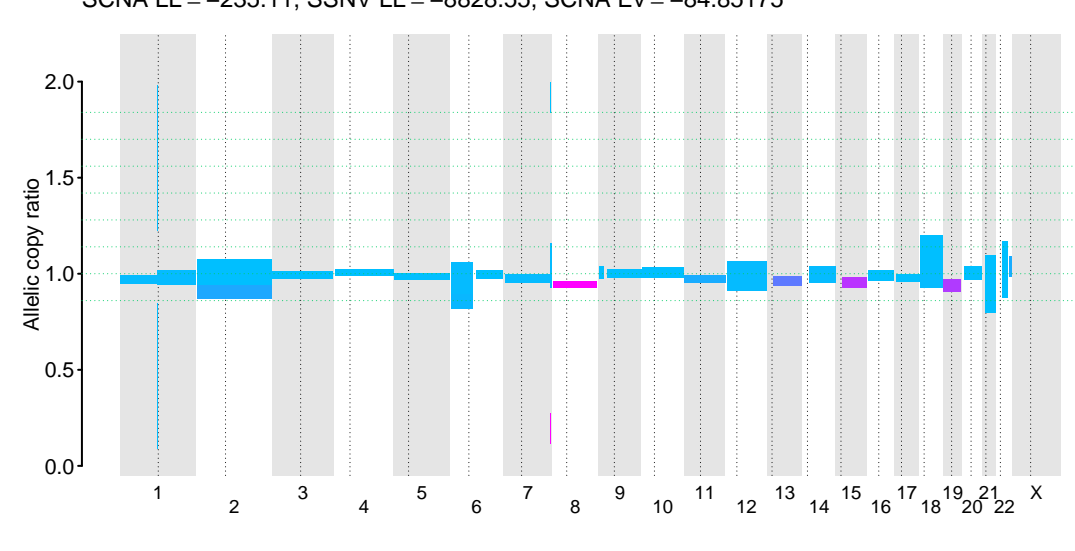
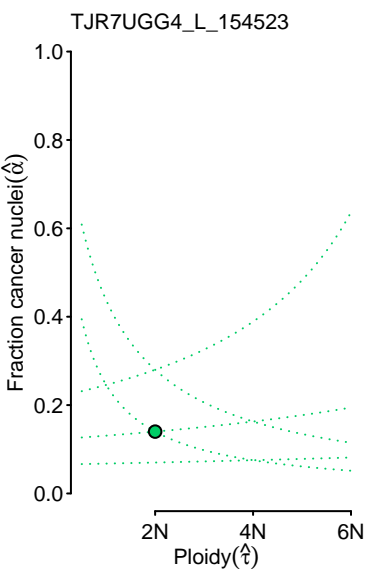




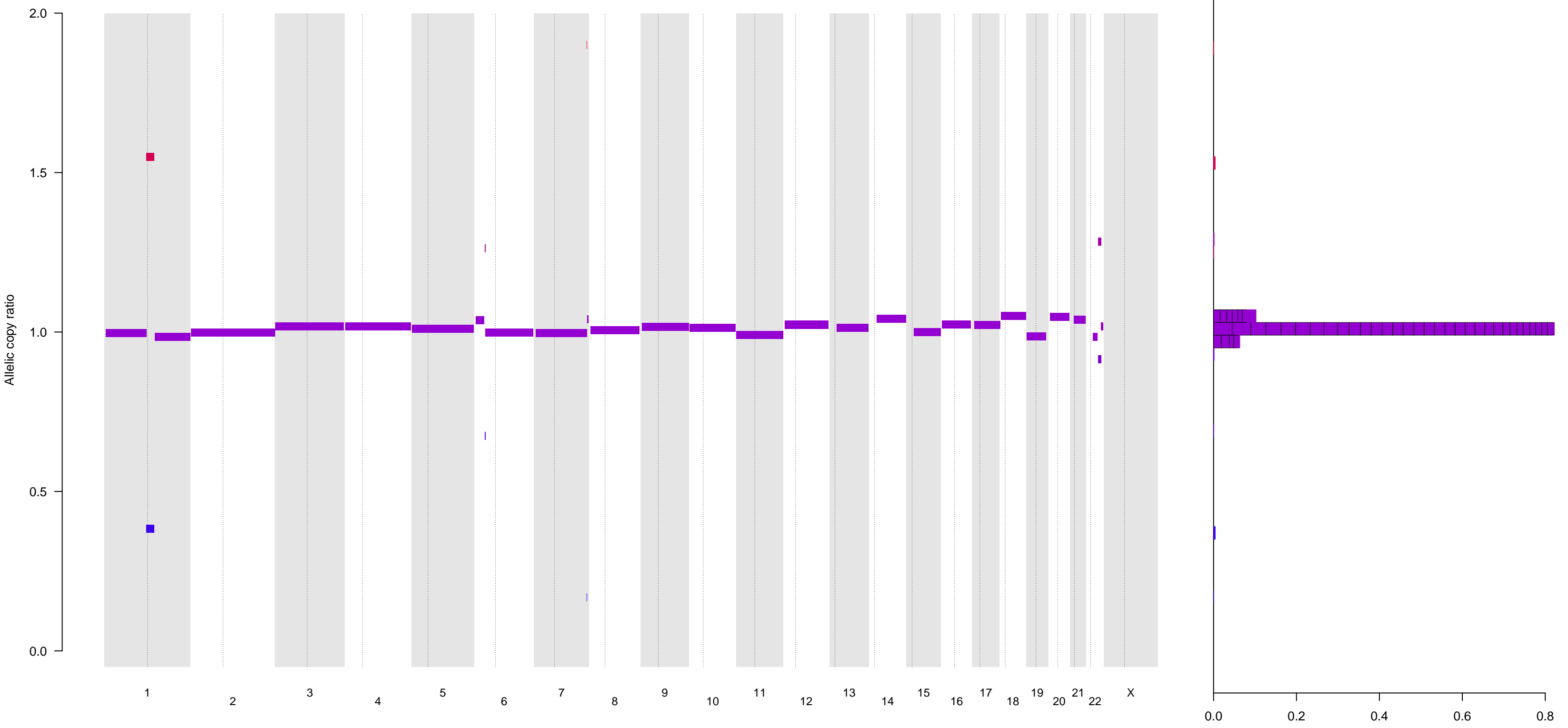
Sample 92



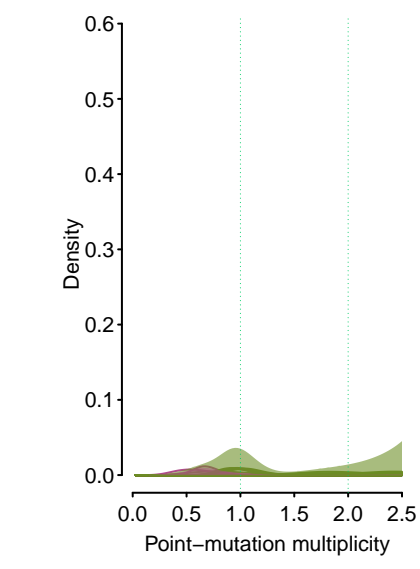
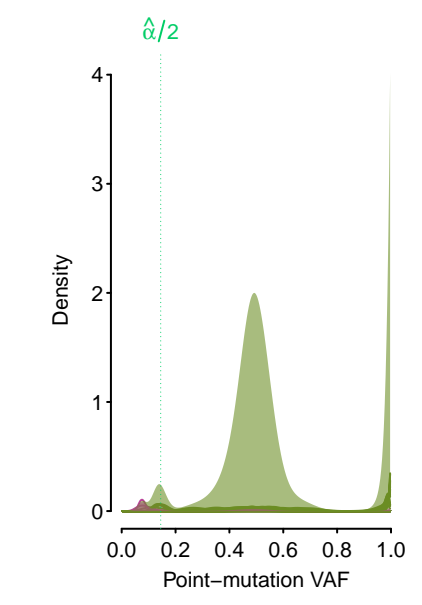
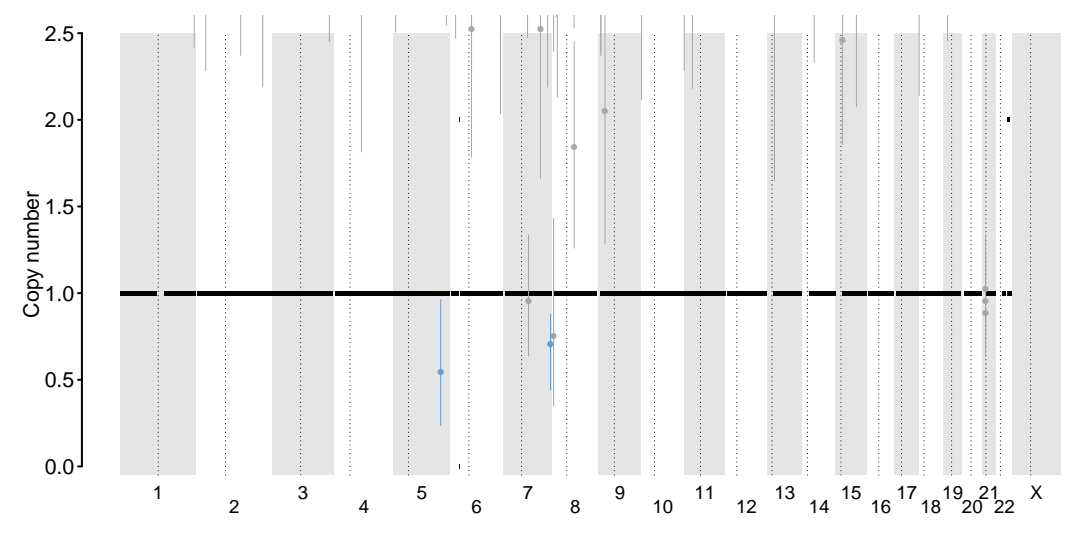
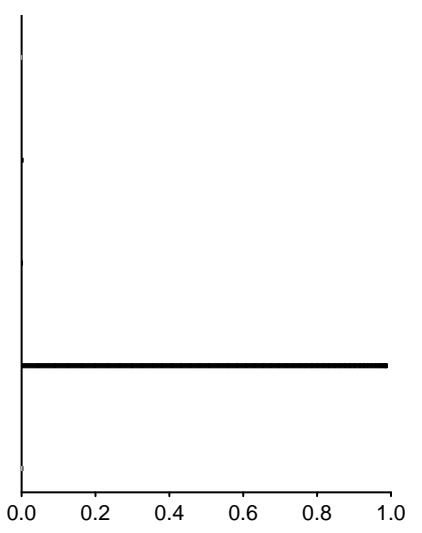
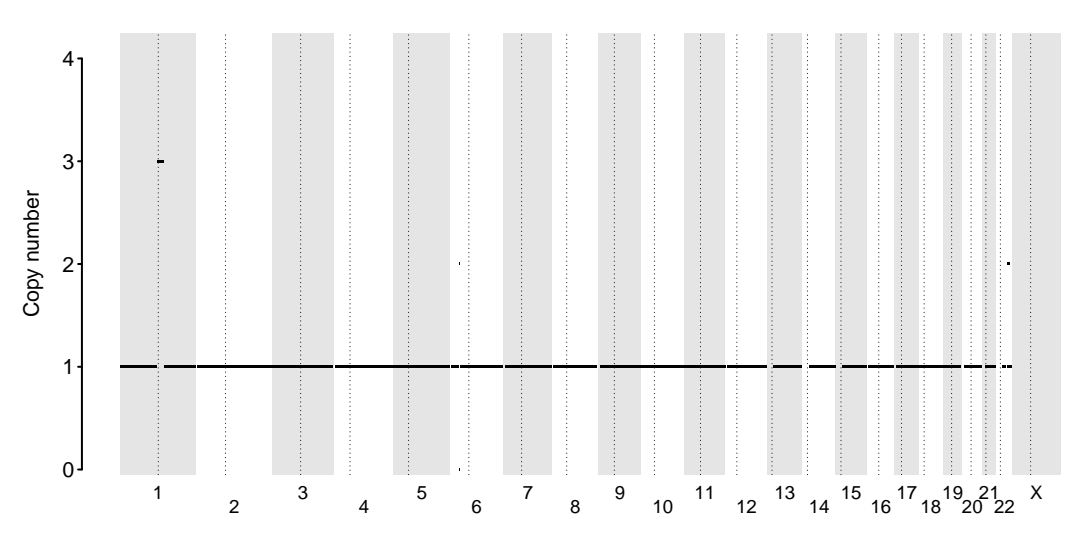
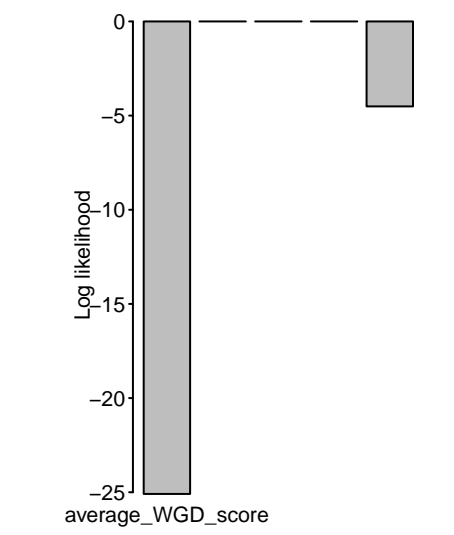
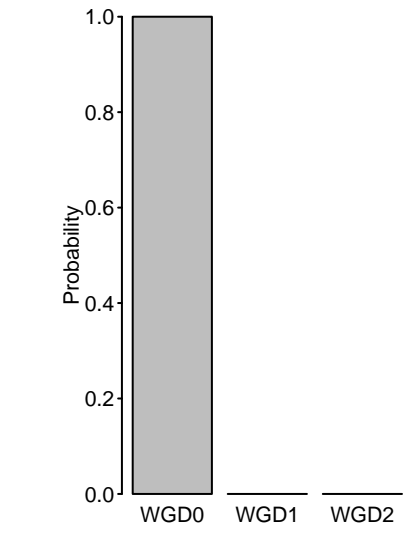
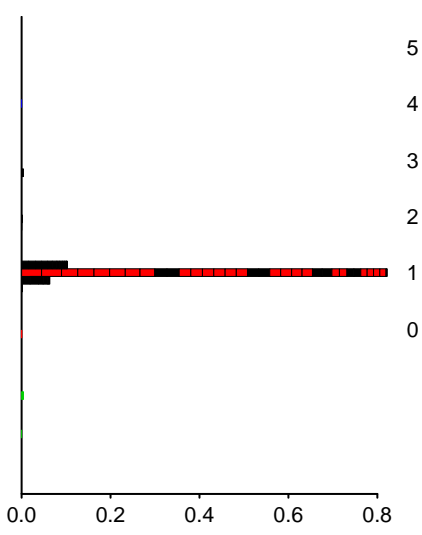
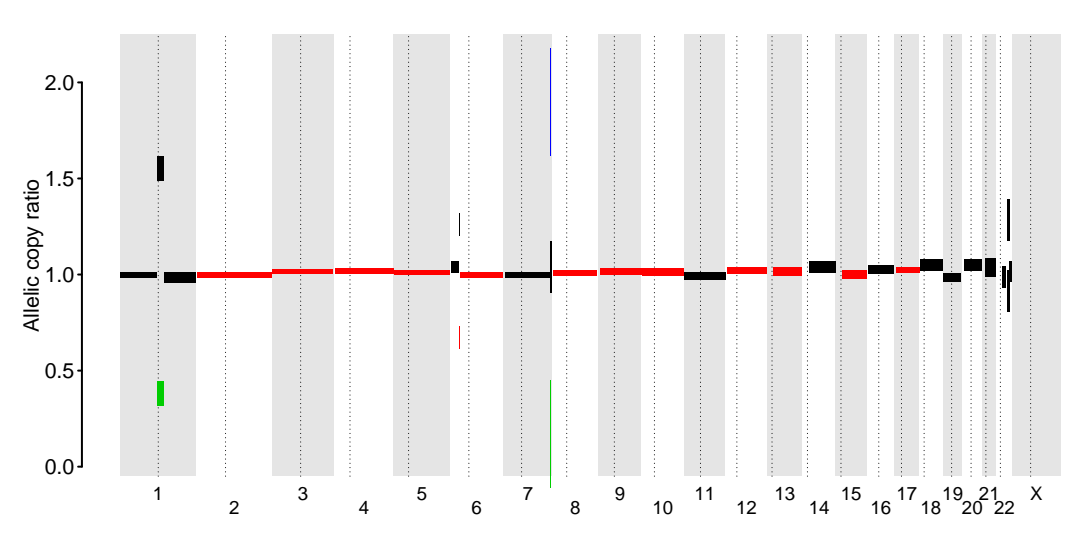
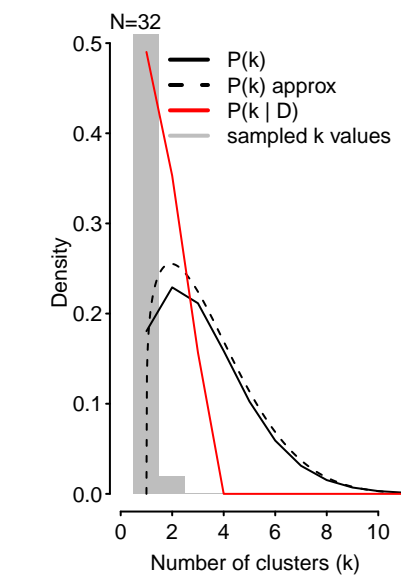
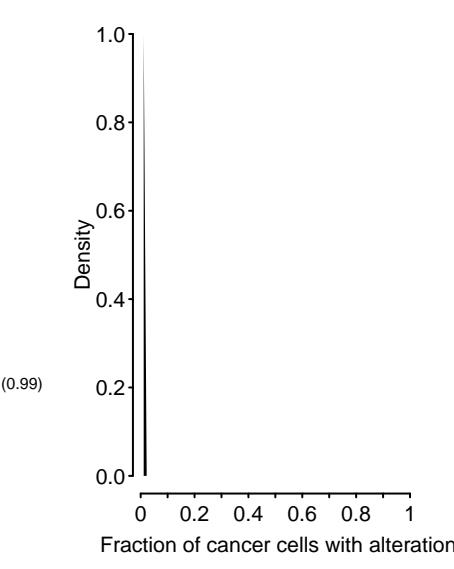
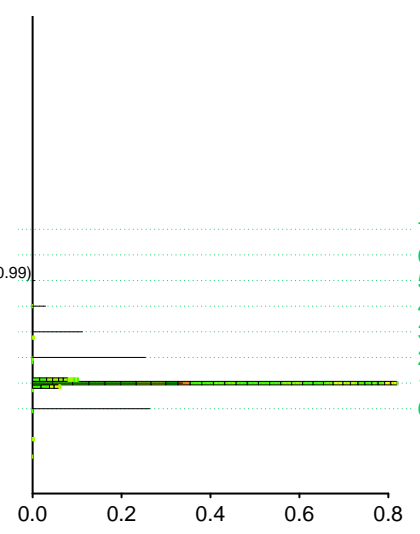
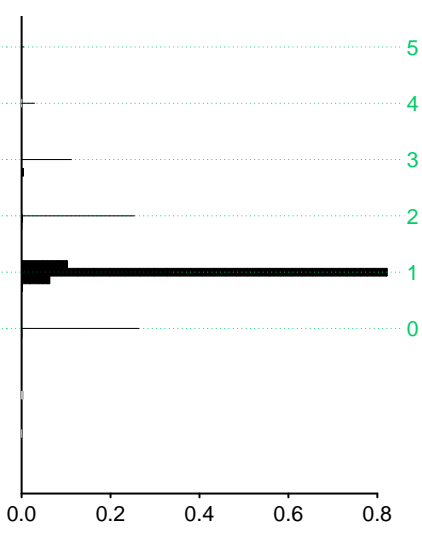
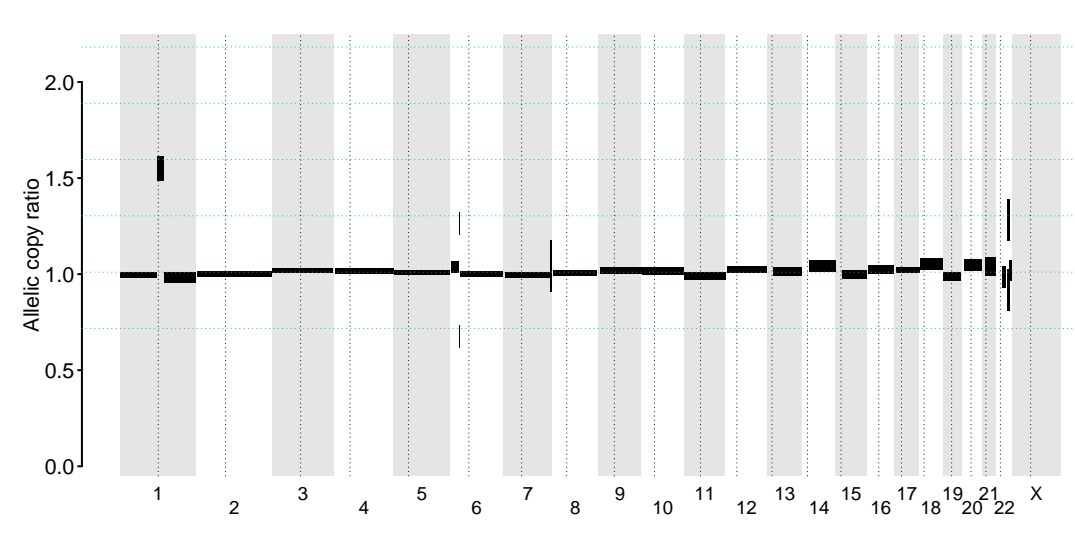
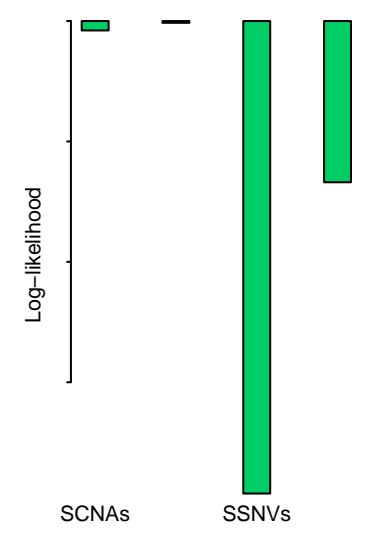
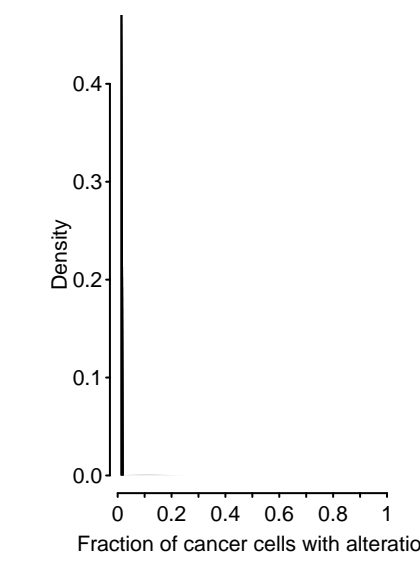
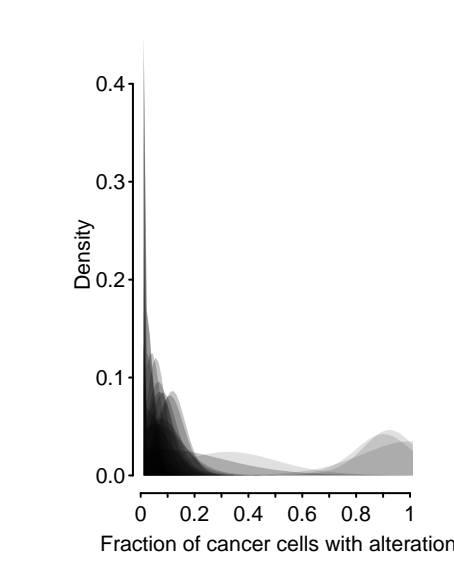
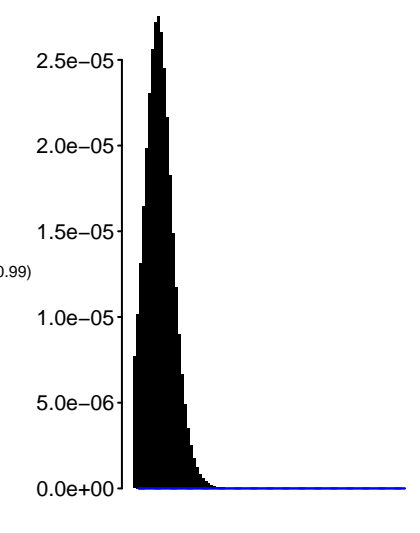
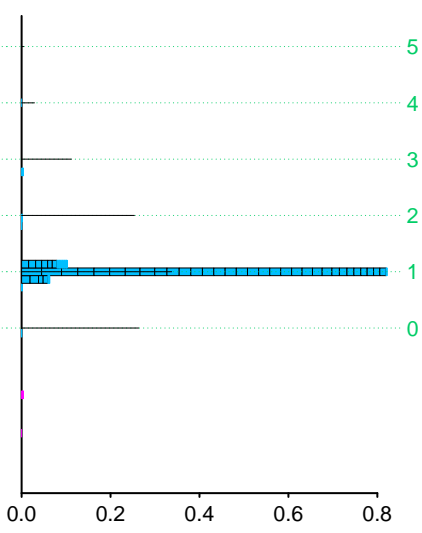
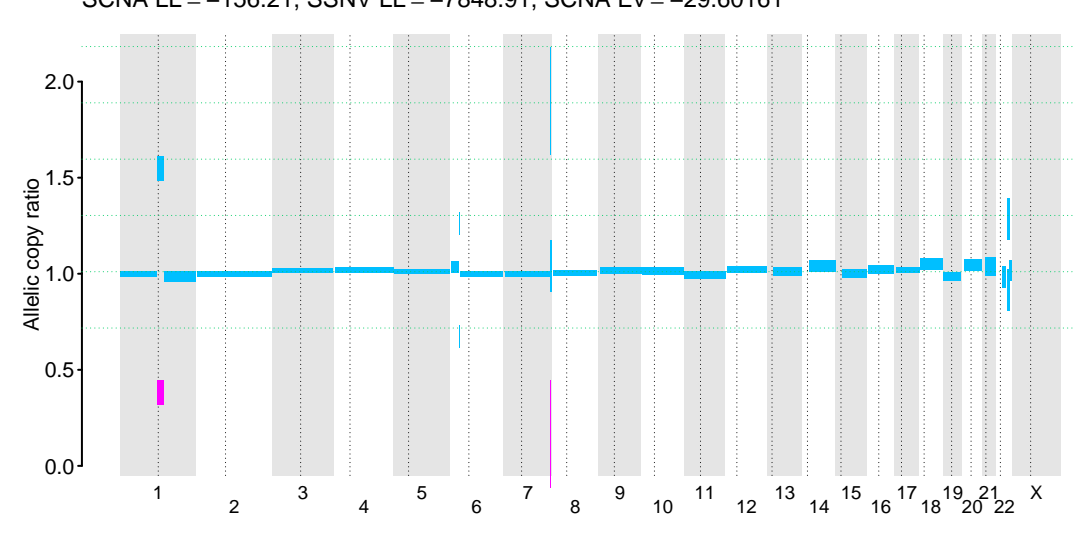
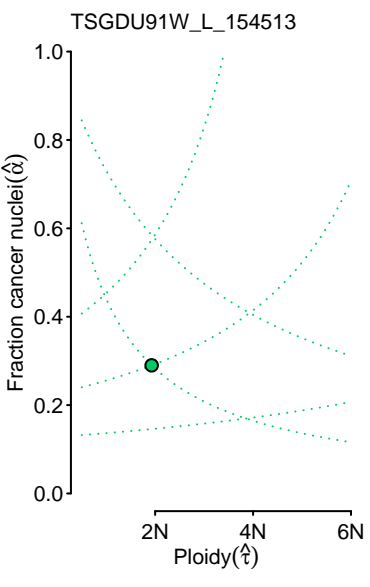
$\text{purity}(\hat{\lambda}) = 0.14$, ploidy: $\hat{t} = 2$, $\hat{t}_0 = 1.96$
 $\theta_z = 0.12$, $\theta_Q = 1.421$, WGD=0
 SCNA LL = -235.11, SSNV LL = -8828.55, SCNA Ev = -84.85175



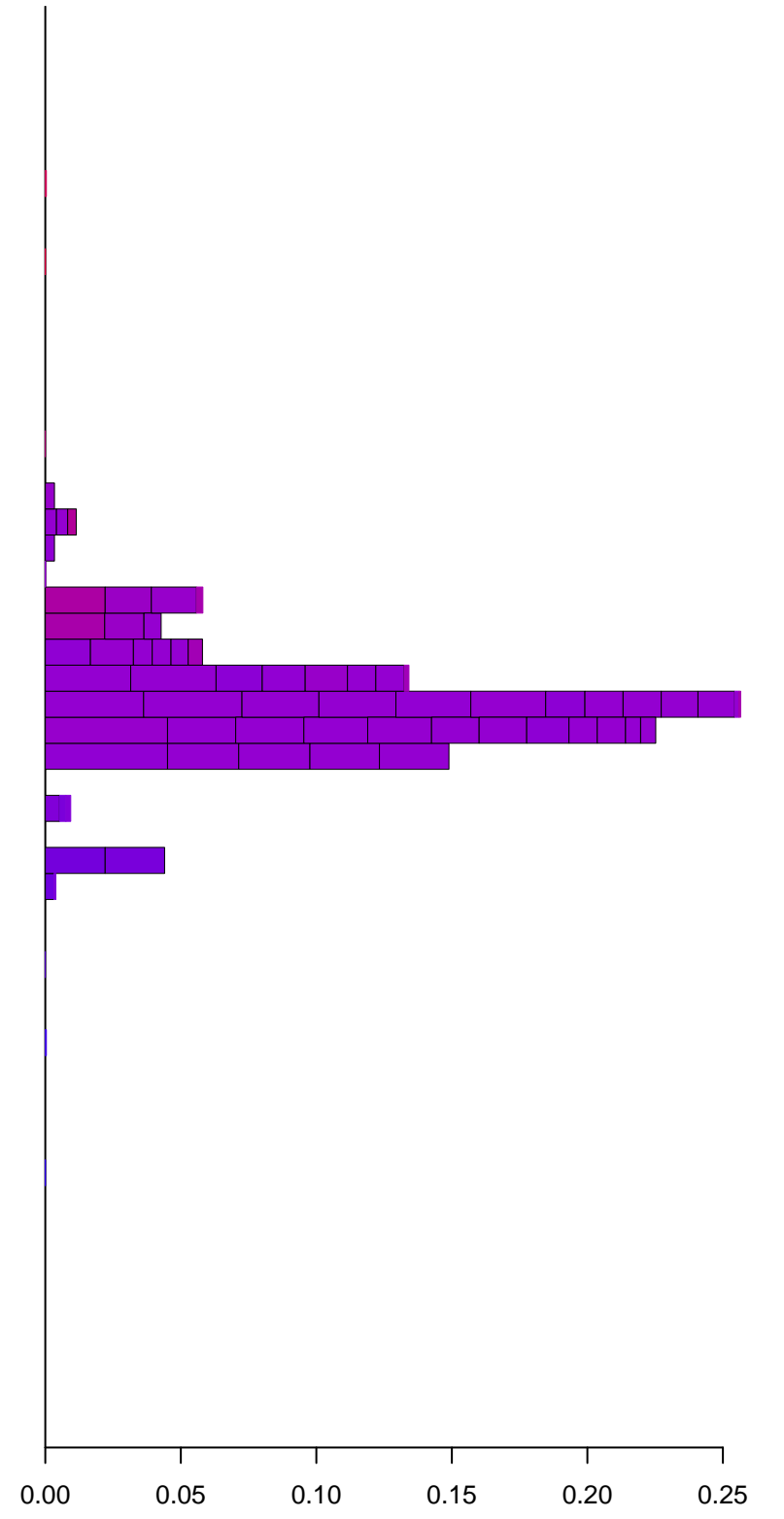
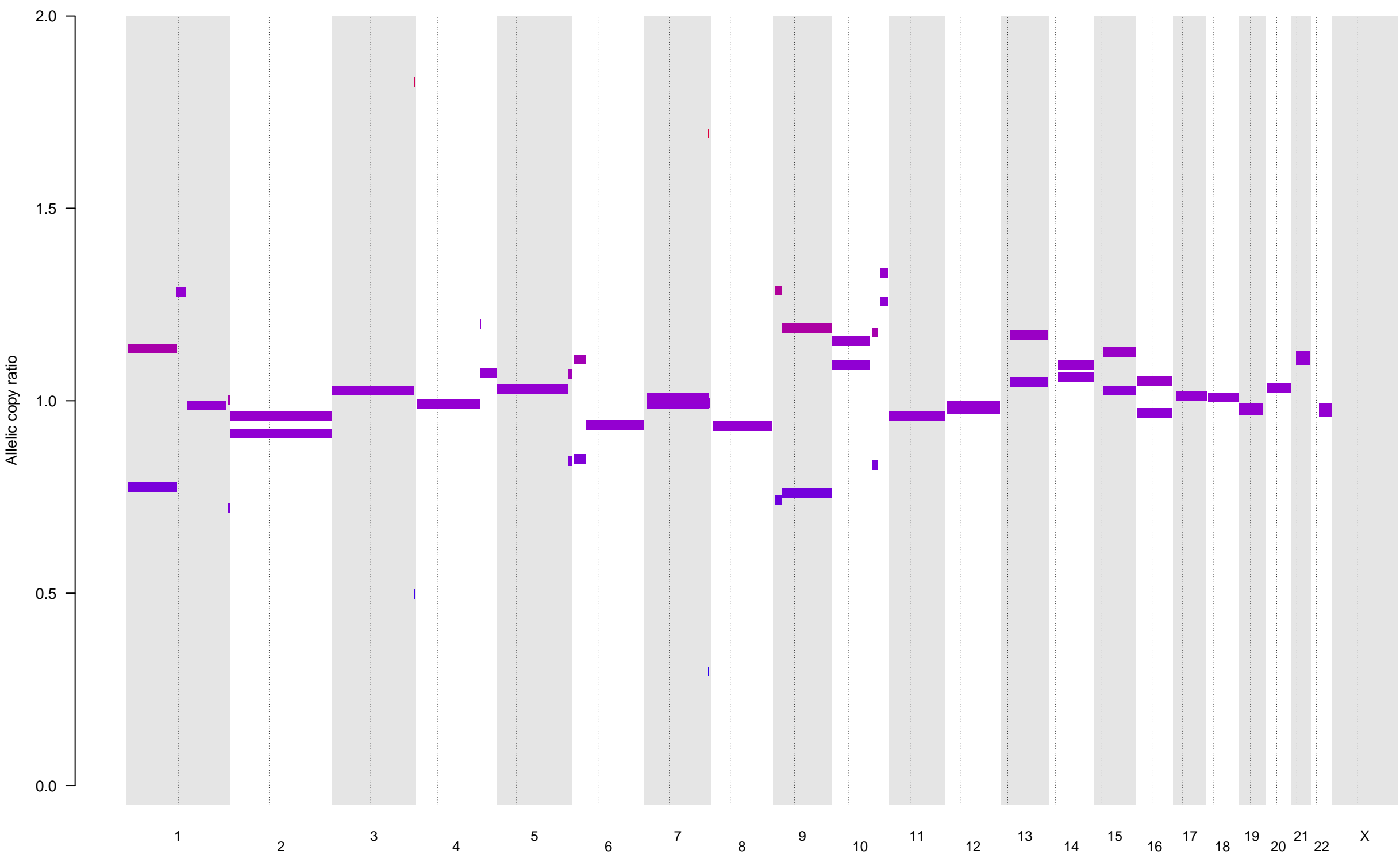
Sample 93



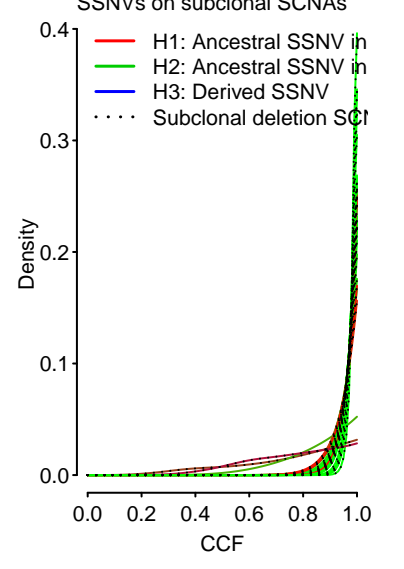
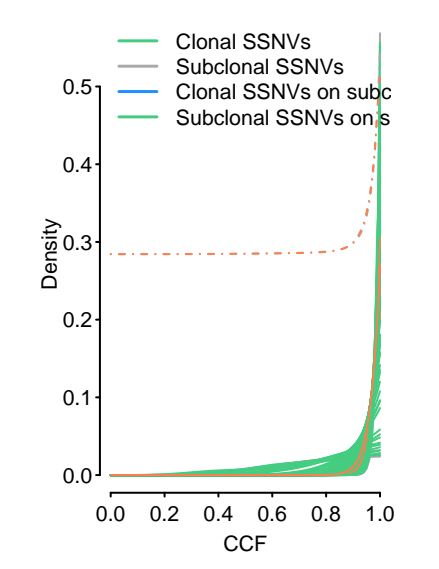
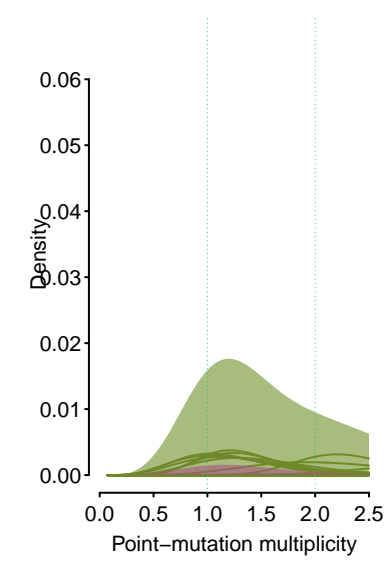
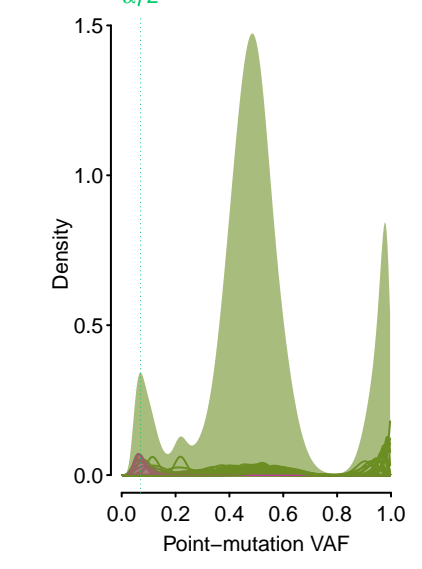
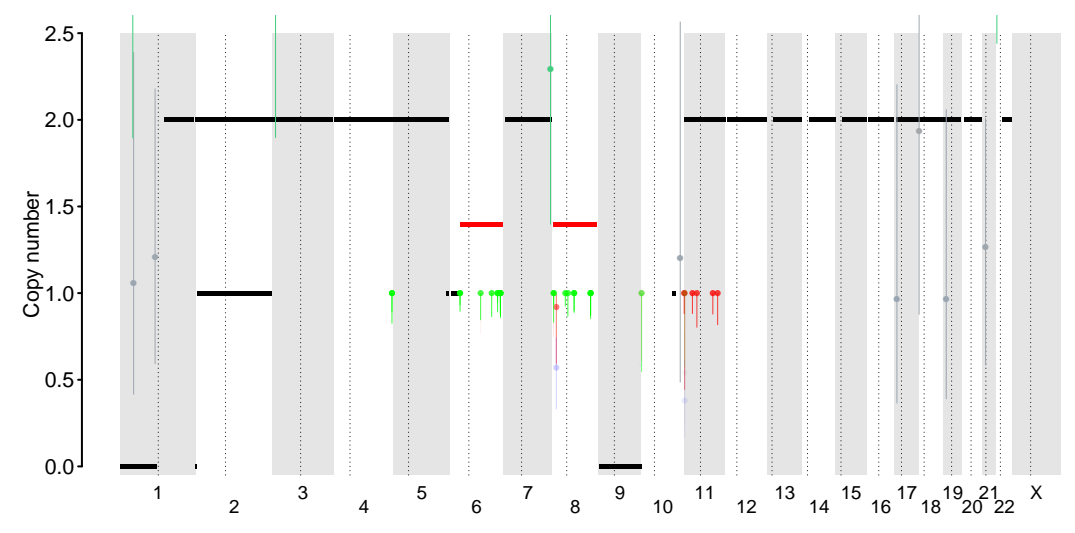
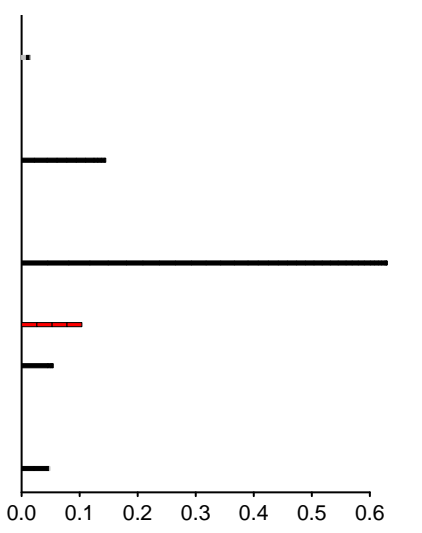
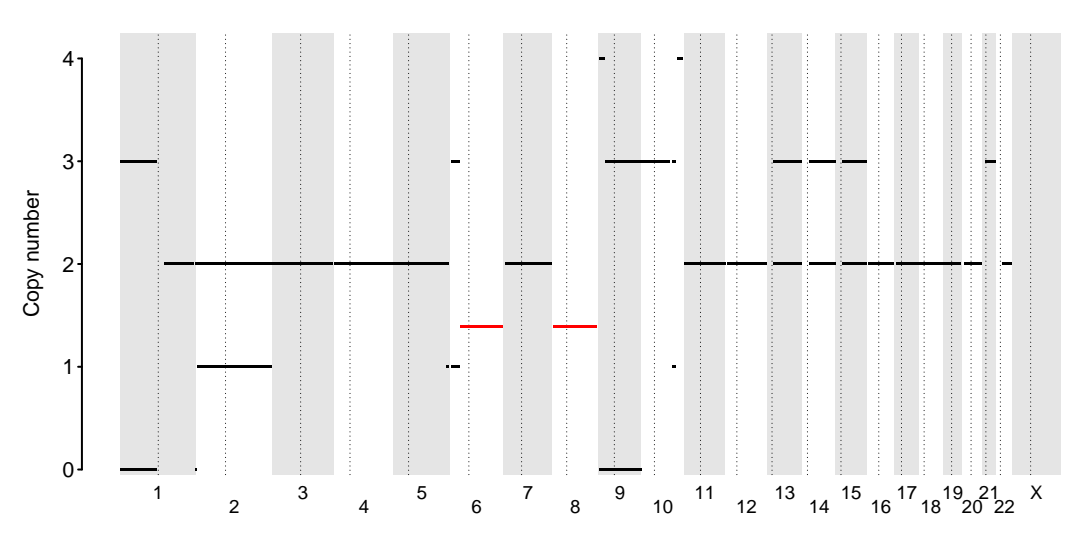
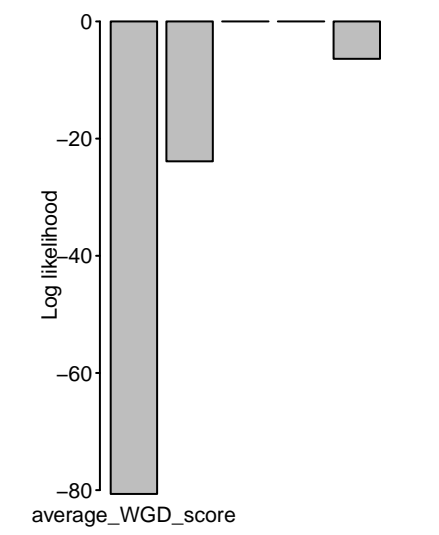
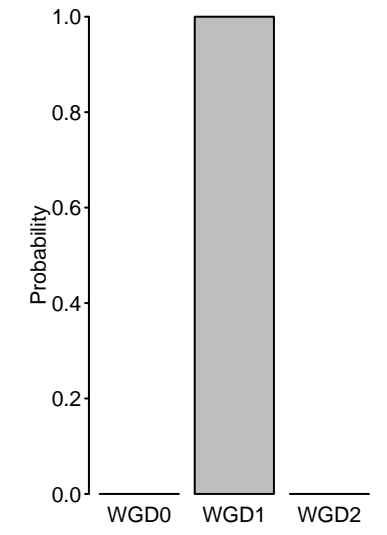
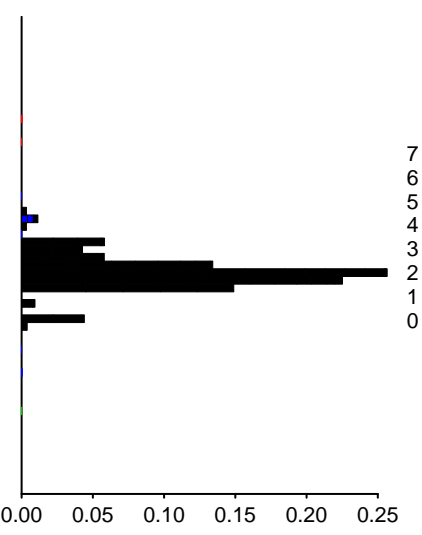
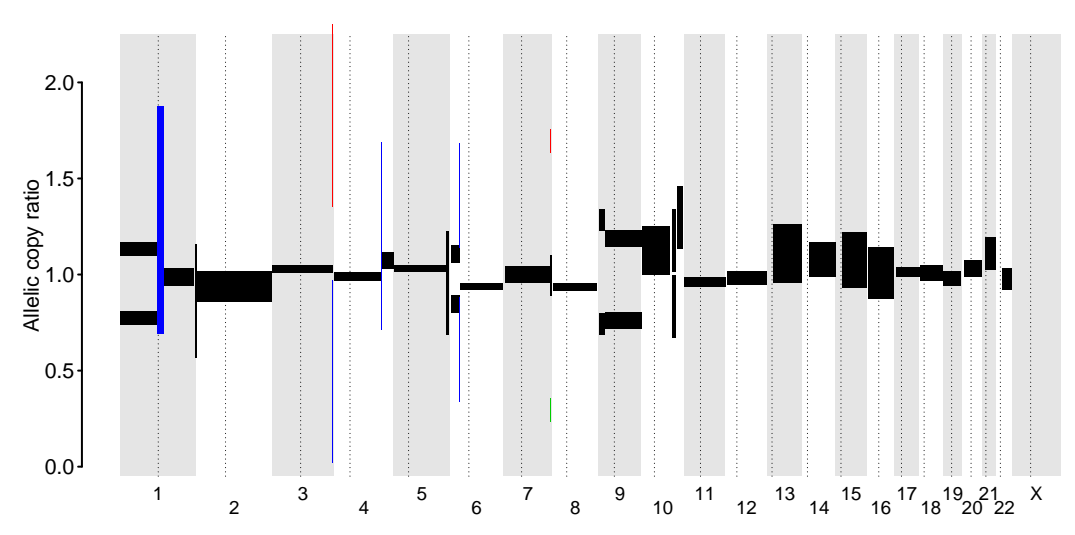
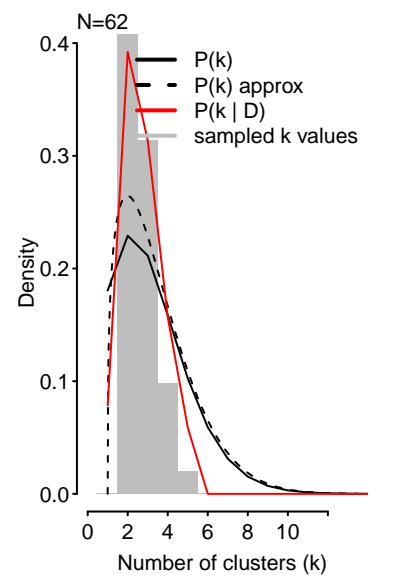
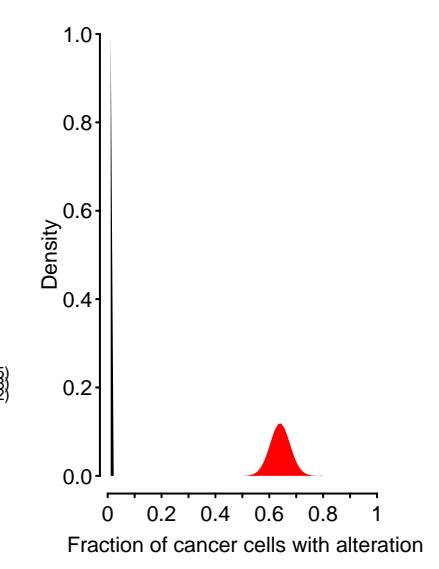
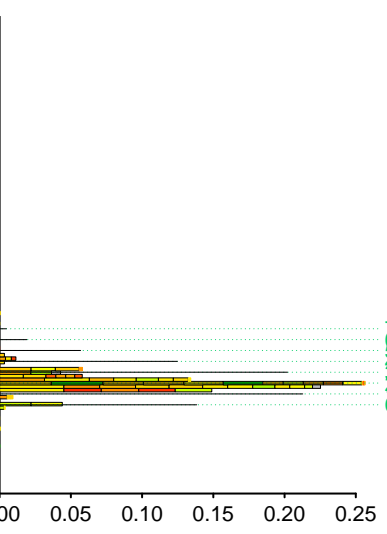
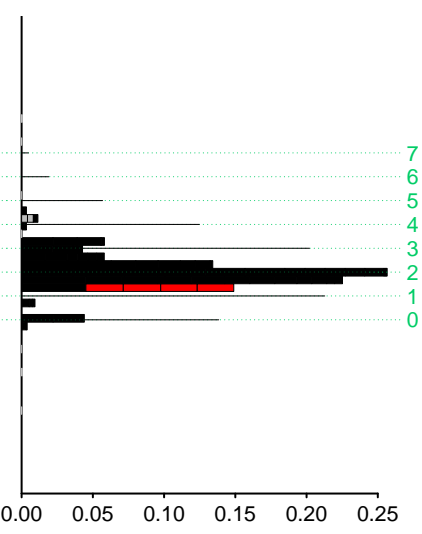
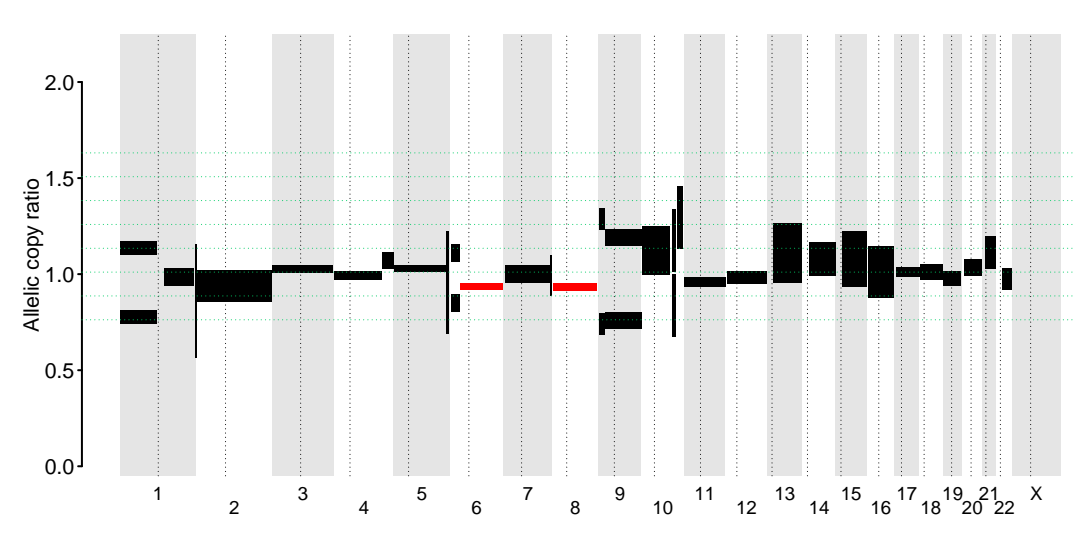
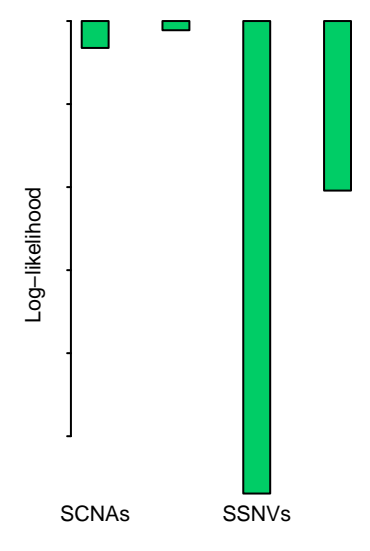
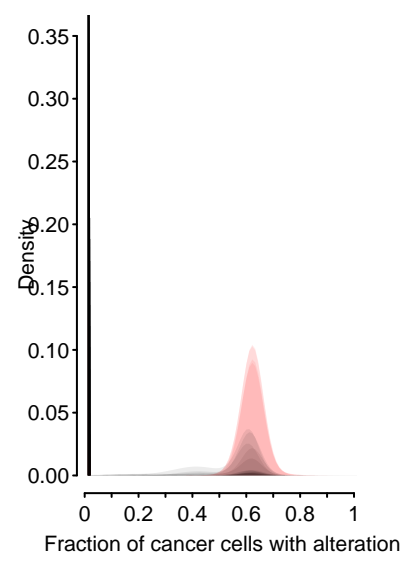
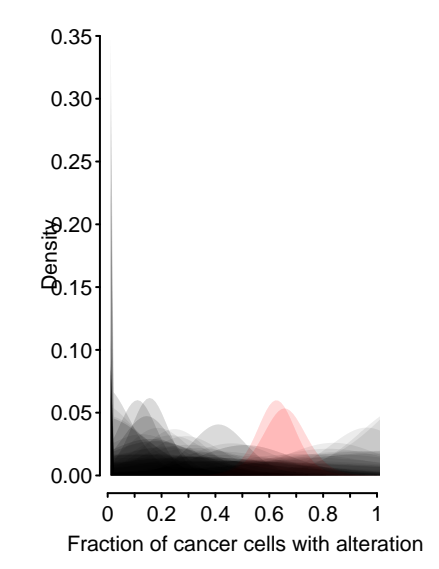
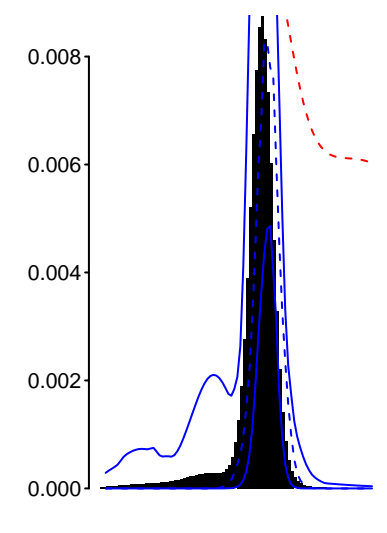
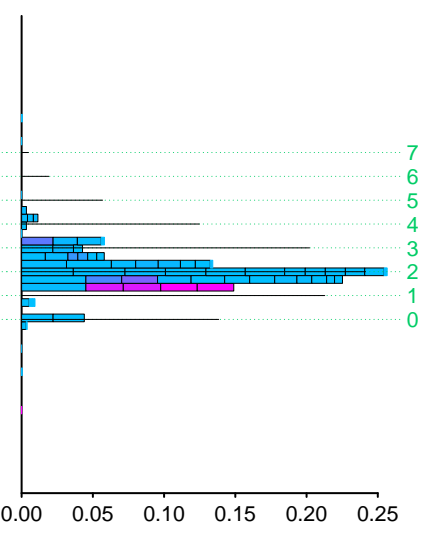
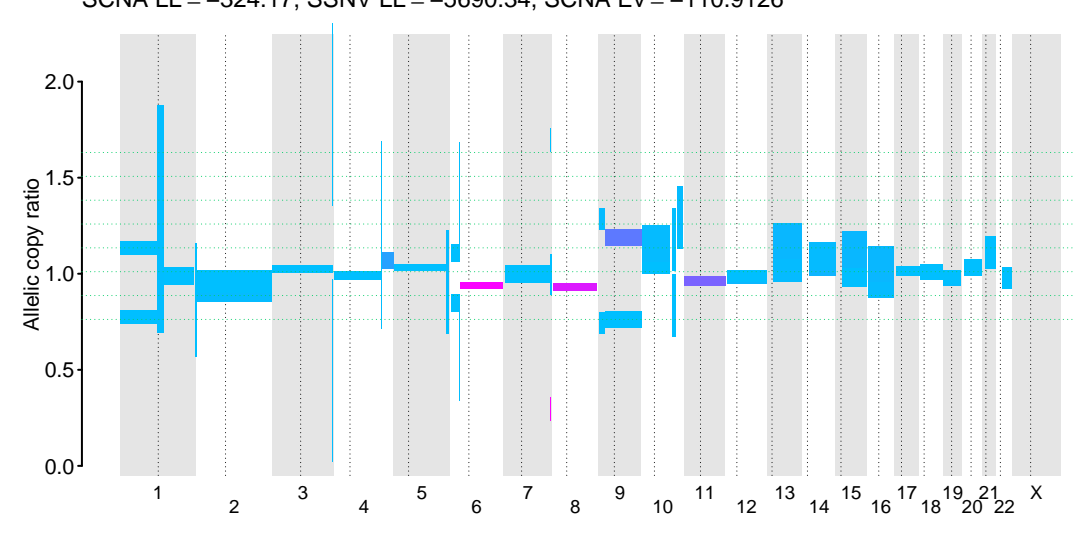
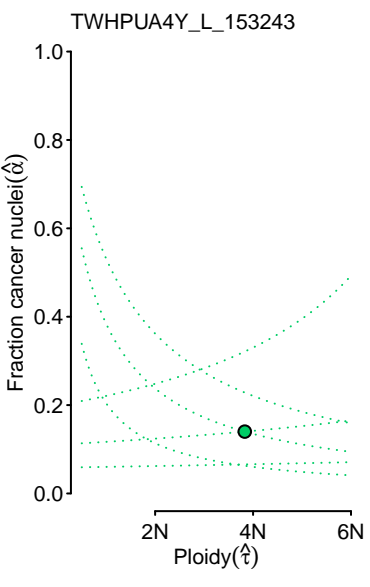
purity($\hat{\alpha}$) = 0.29, ploidy: $\hat{\tau} = 1.93$, $\hat{\tau}_g = 2.01$
 $\theta_z = 0$, $\theta_0 = 1.369$, WGD=0
 SCNA LL = -156.21, SSNV LL = -7848.91, SCNA Ev = -29.60161



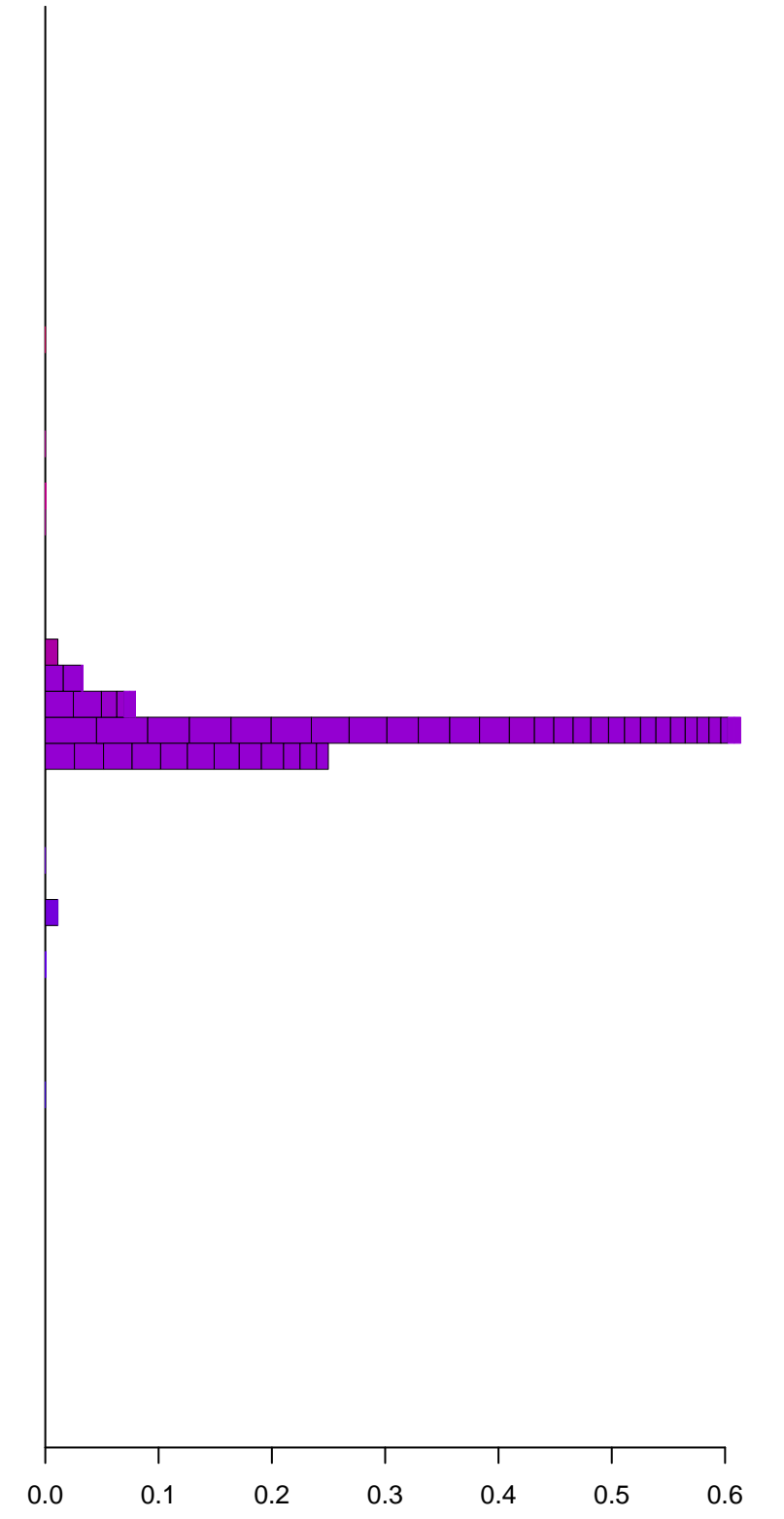
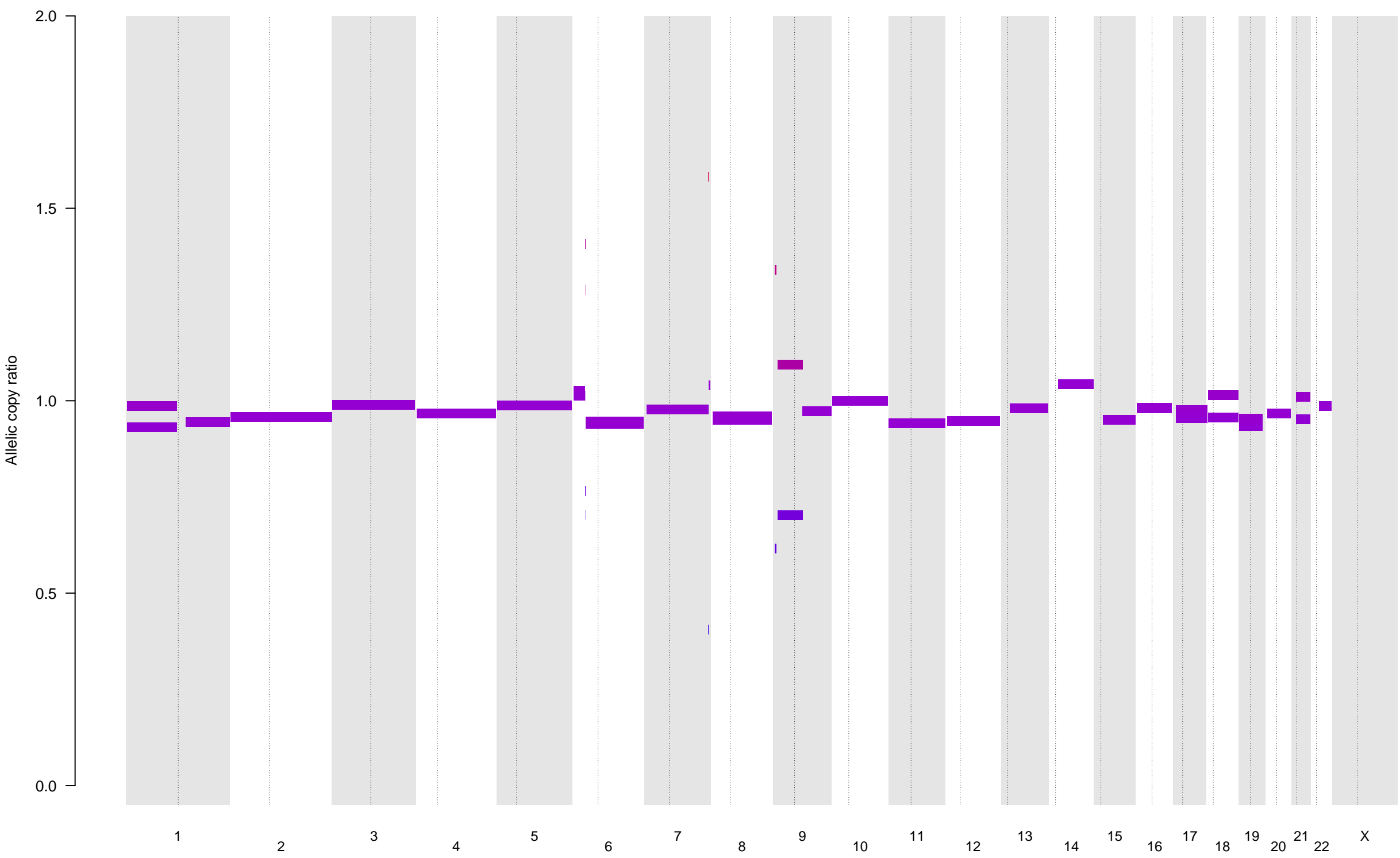
Sample 94



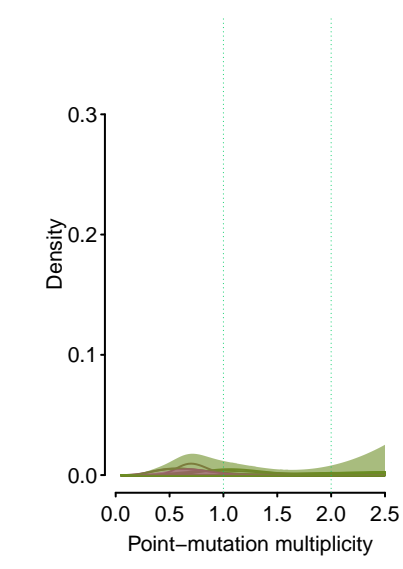
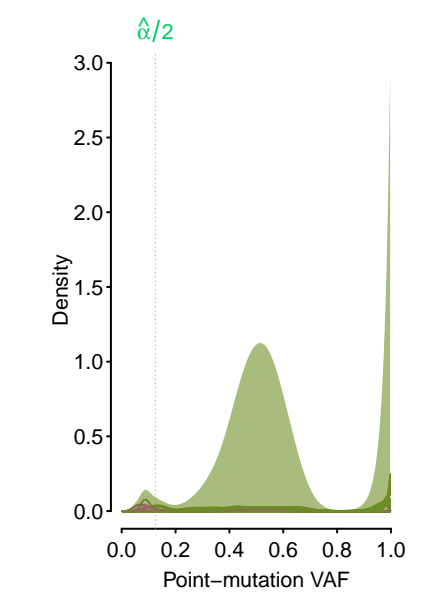
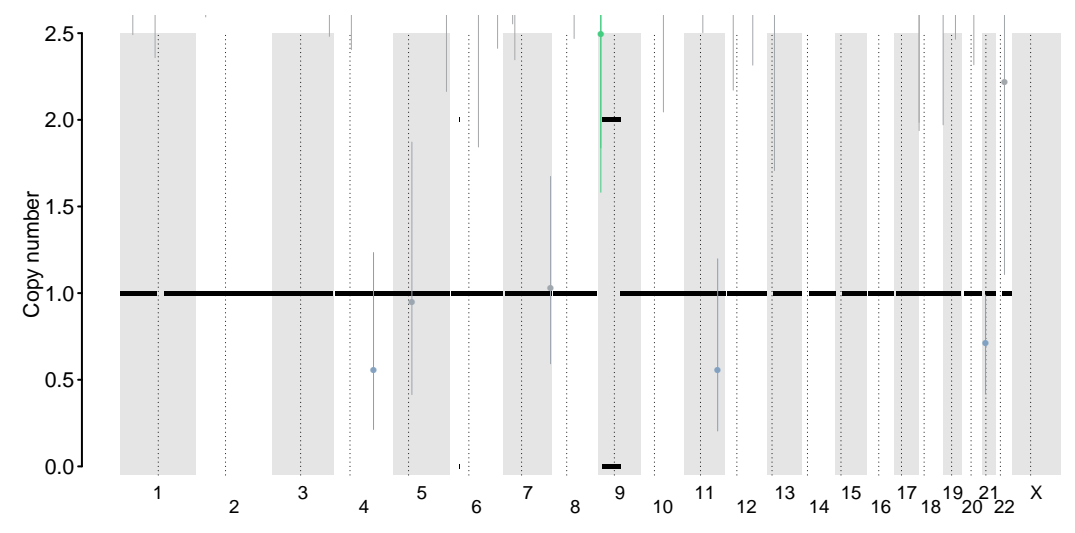
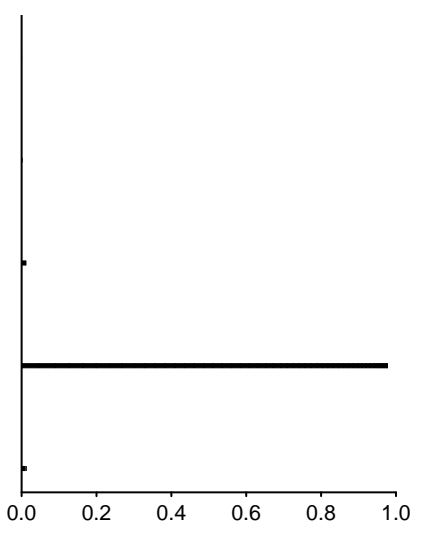
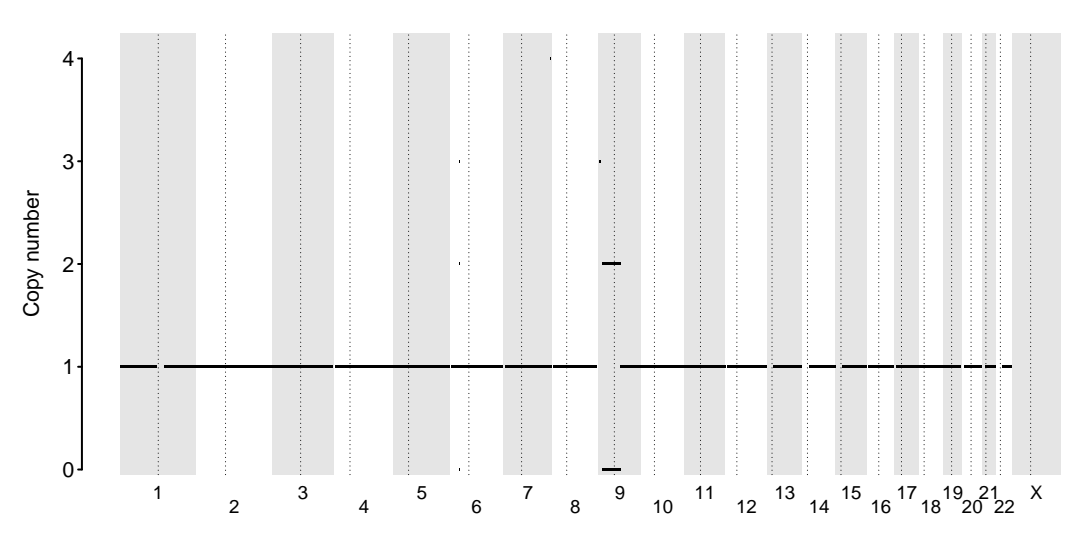
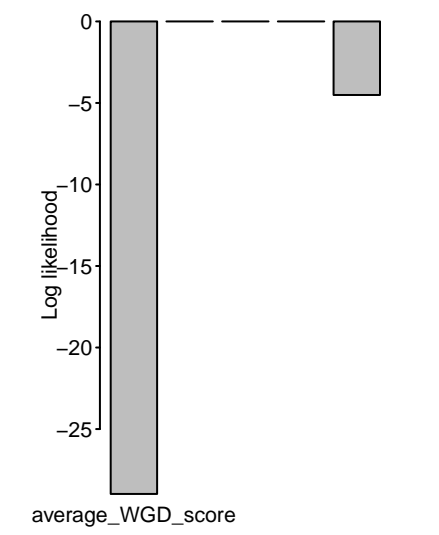
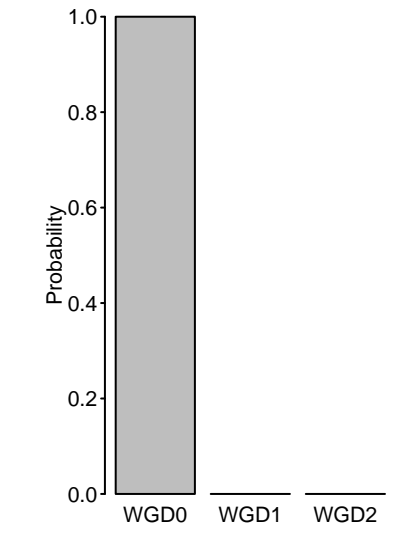
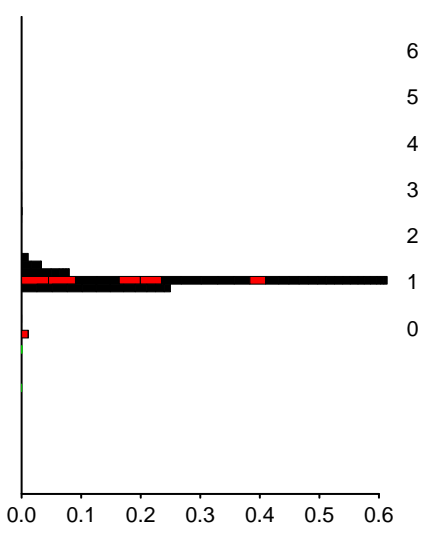
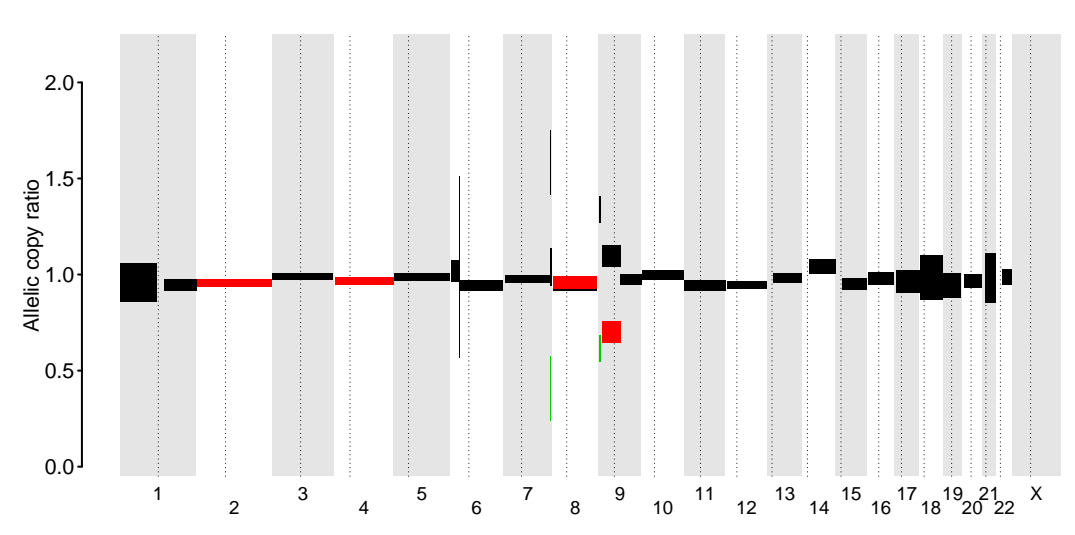
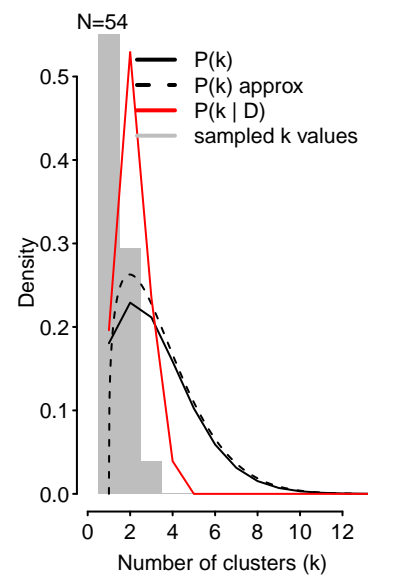
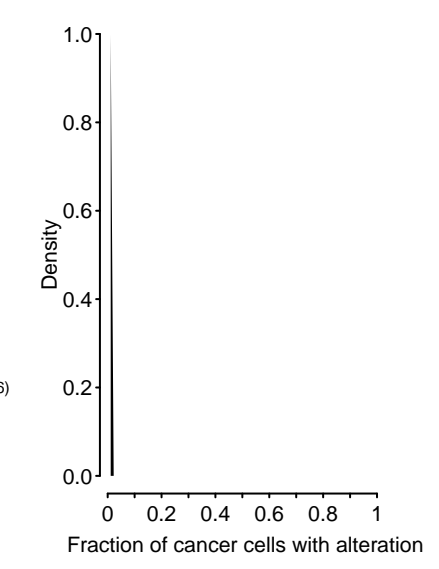
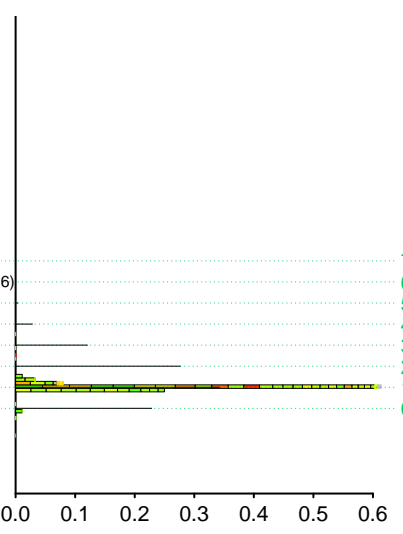
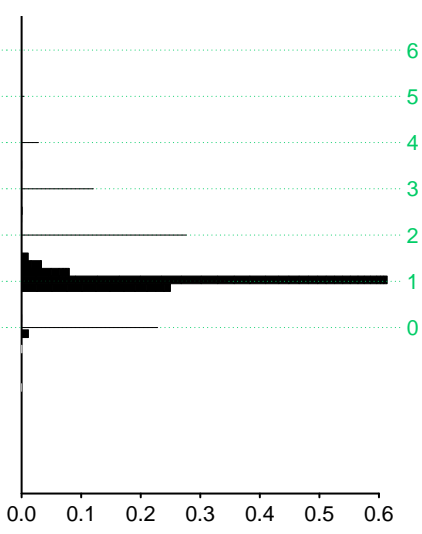
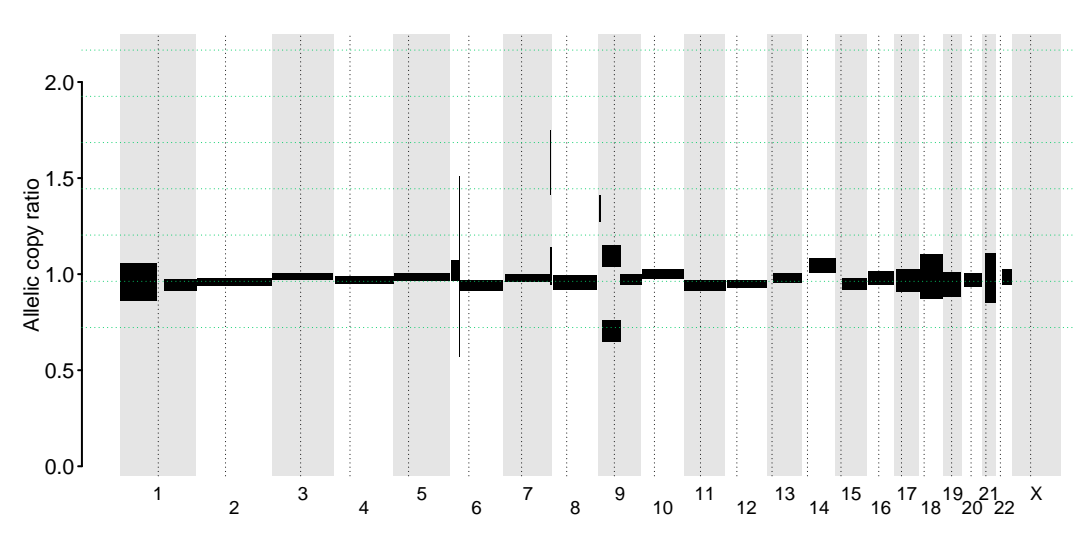
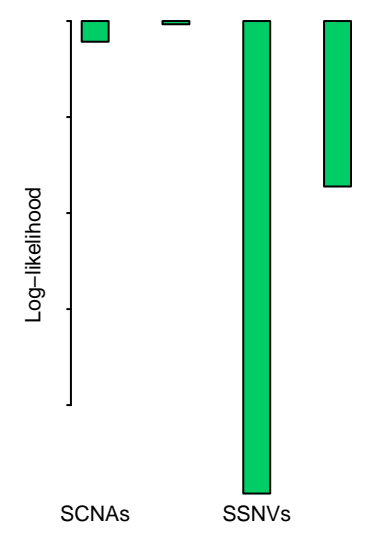
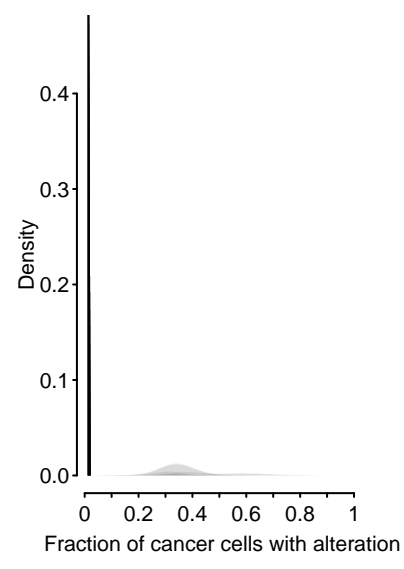
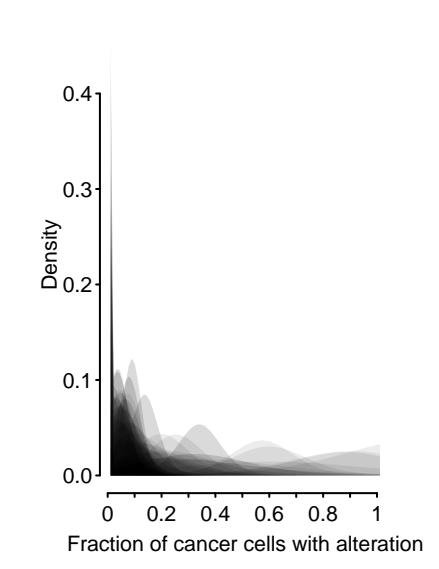
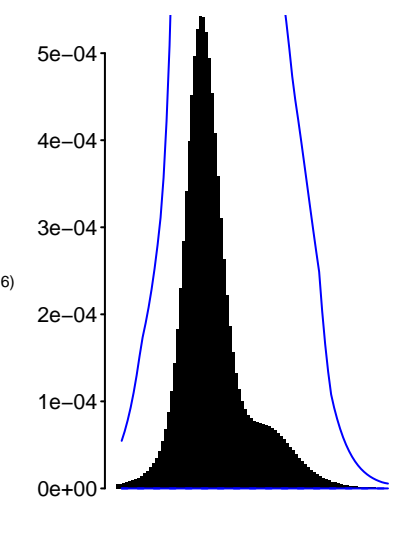
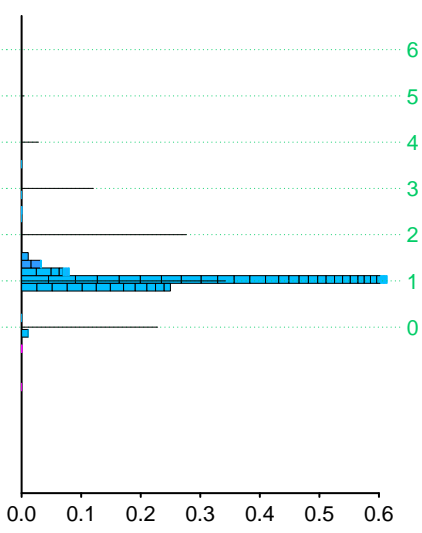
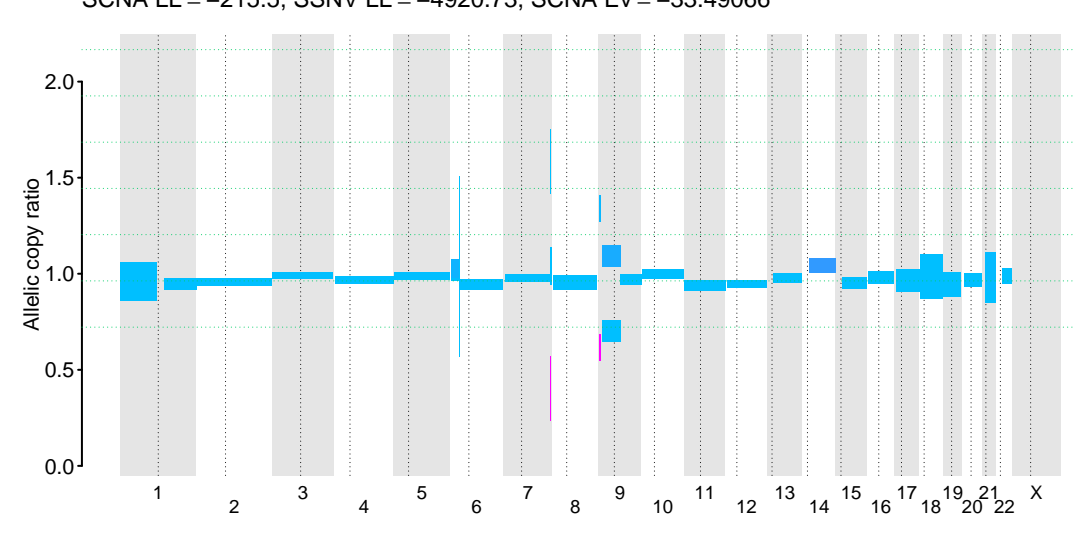
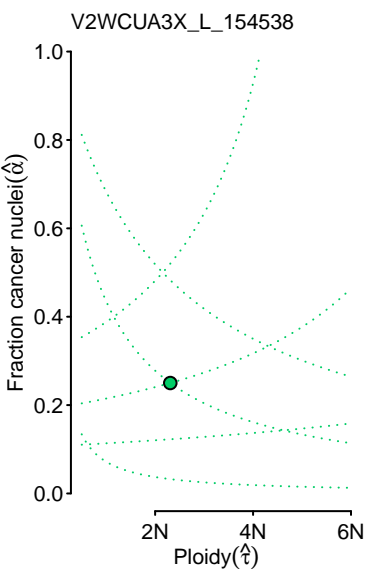
$\hat{\alpha} = 0.14$, purity($\hat{\alpha}$) = 0.14, ploidy: $\hat{t} = 3.83$, $\hat{t}_g = 3.85$
 $\theta_z = 0.13$, $\theta_a = 1.813$, WGD=1
 SCNA LL = -324.17, SSNV LL = -5690.34, SCNA Ev = -110.9126



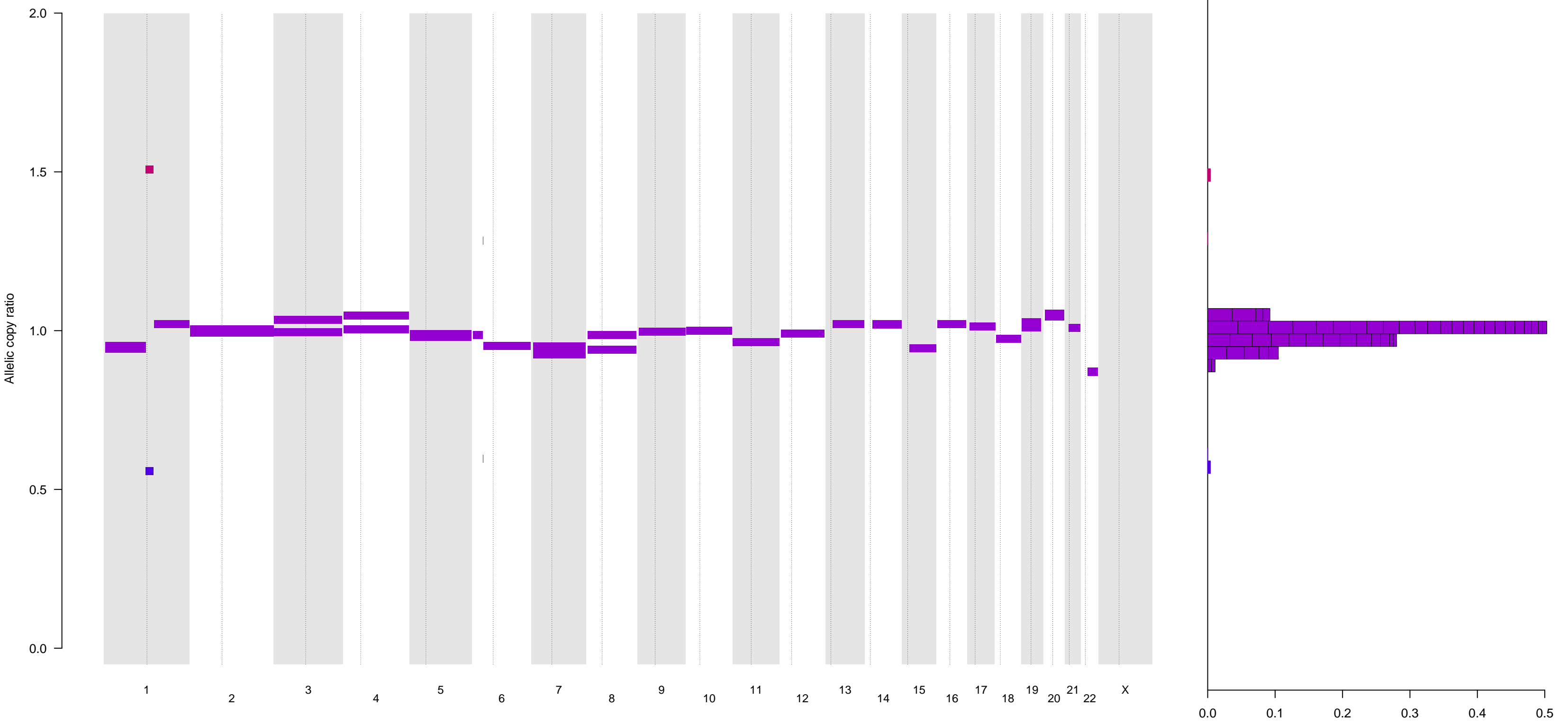
Sample 96

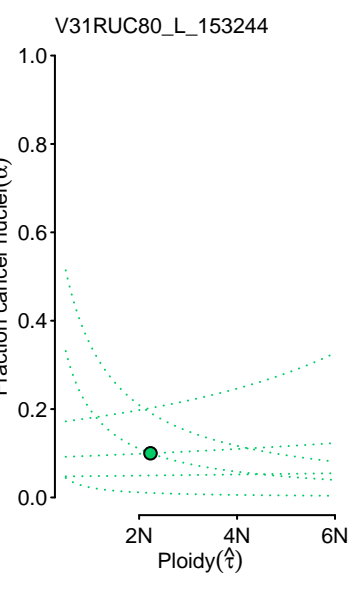


purity($\hat{\alpha}$) = 0.25, ploidy: $\hat{t} = 2.31$, $\hat{t}_g = 2$
 $\theta_z = 0.01$, $\theta_a = 1.272$, WGD=0
 SCNA LL = -215.5, SSNV LL = -4920.73, SCNA Ev = -33.49066

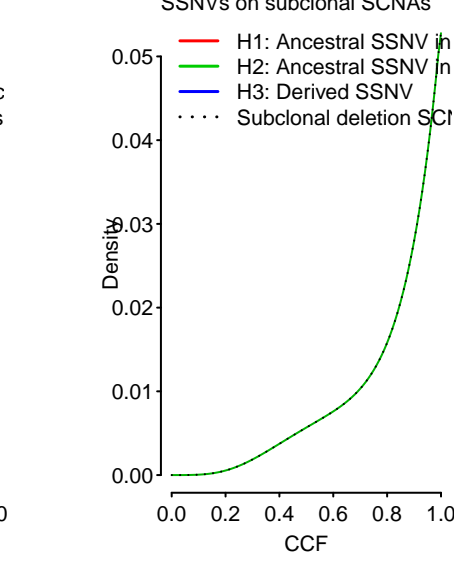
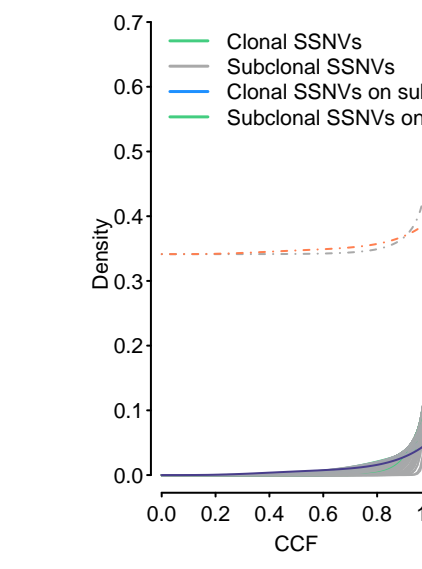
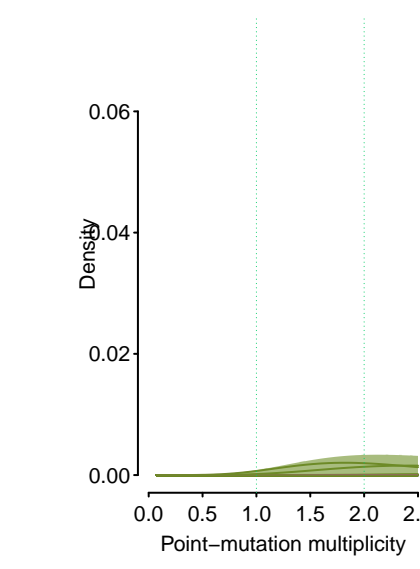
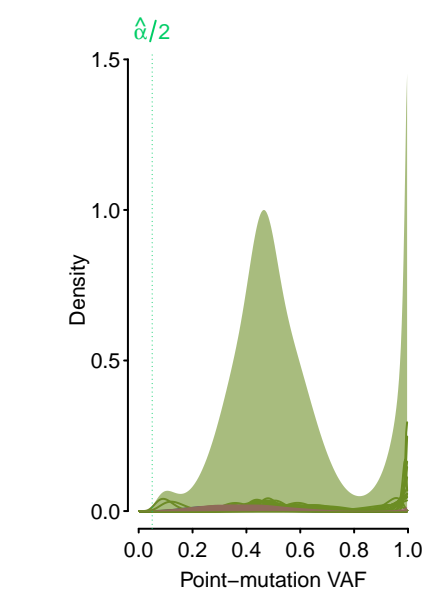
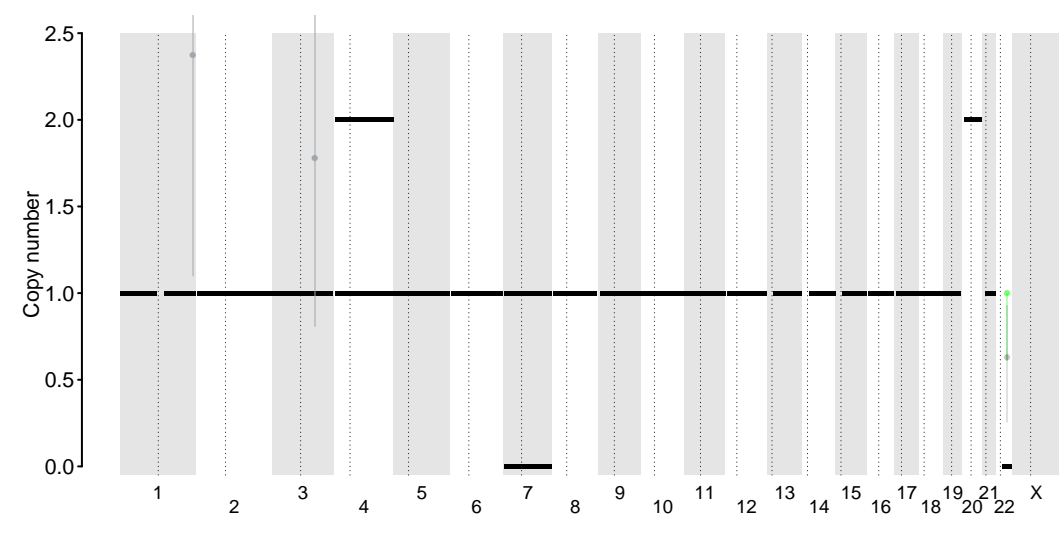
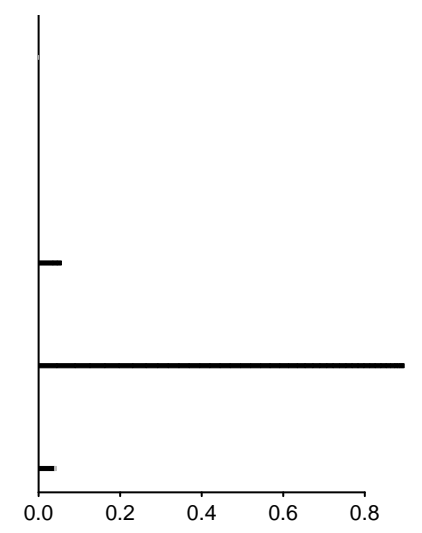
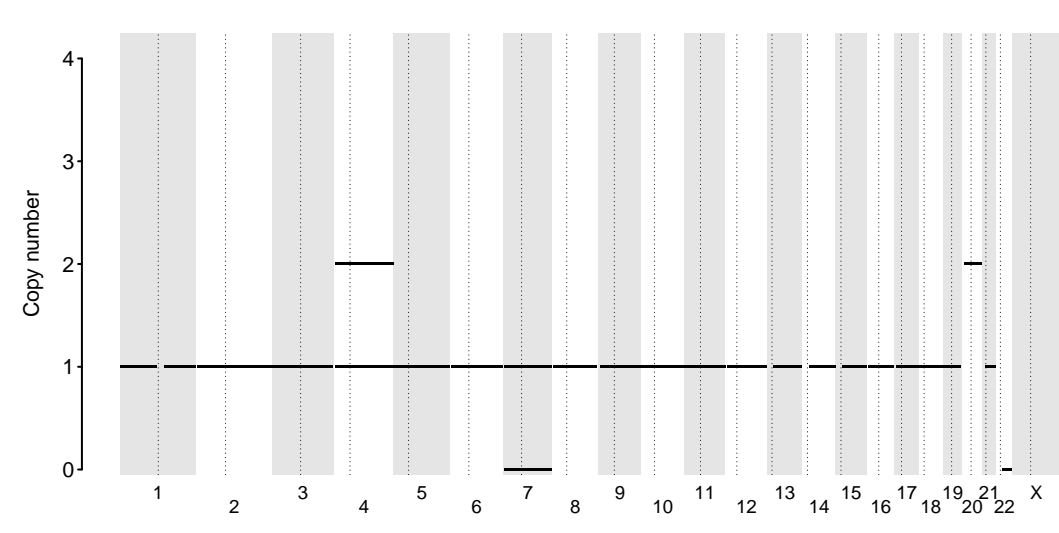
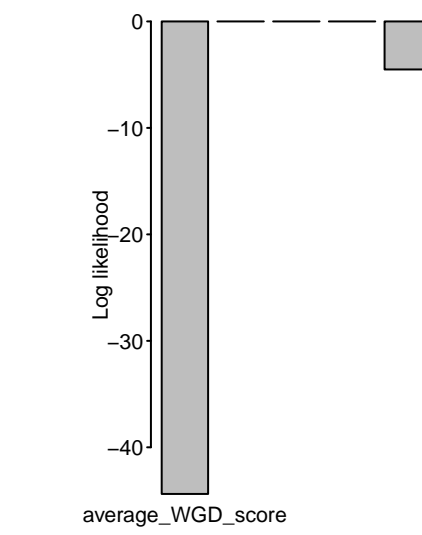
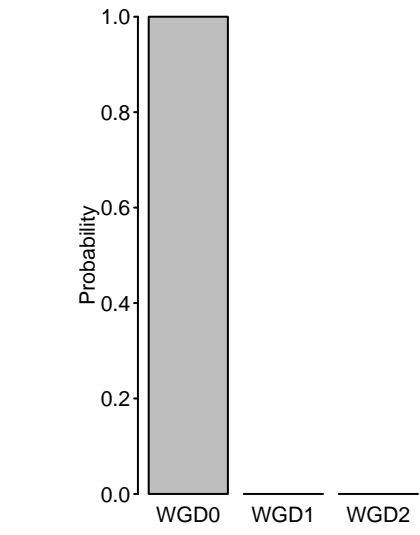
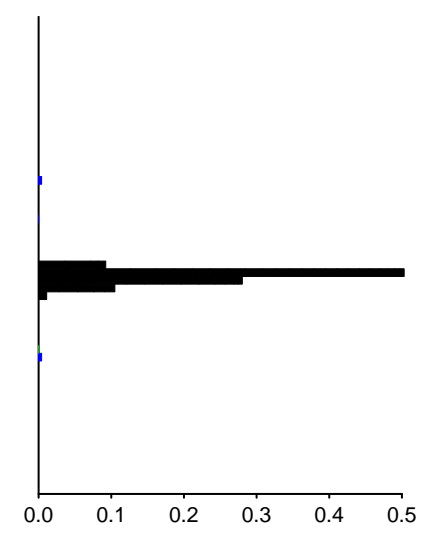
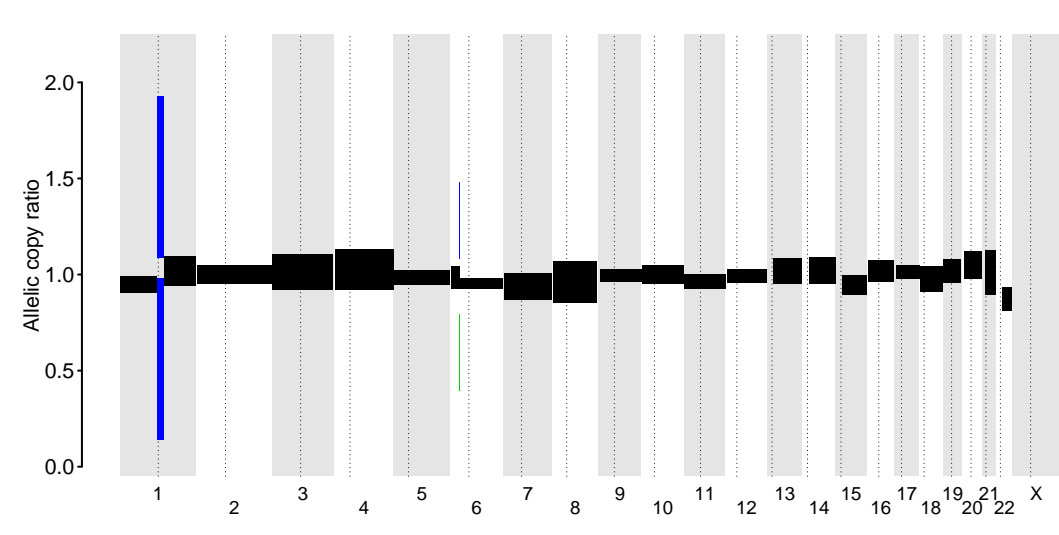
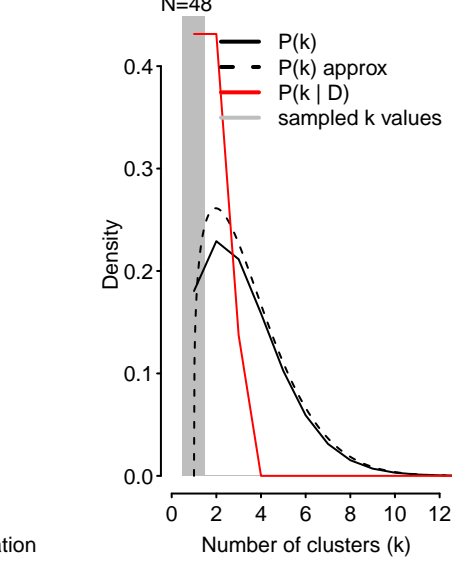
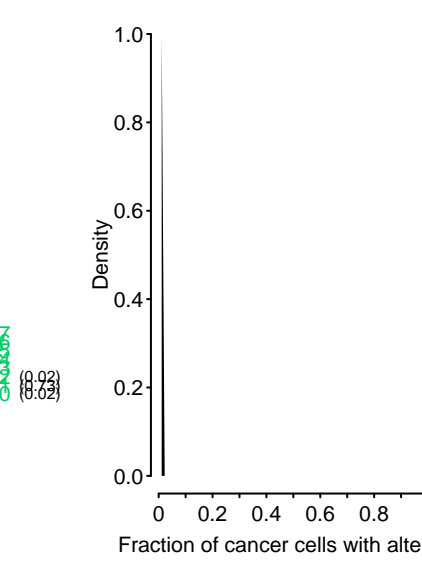
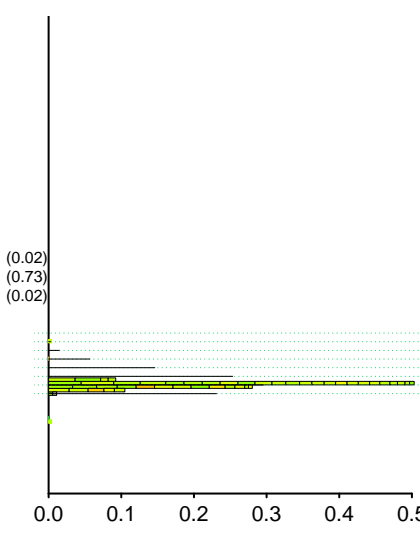
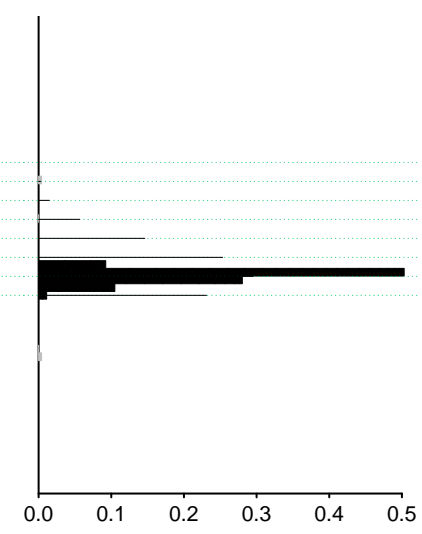
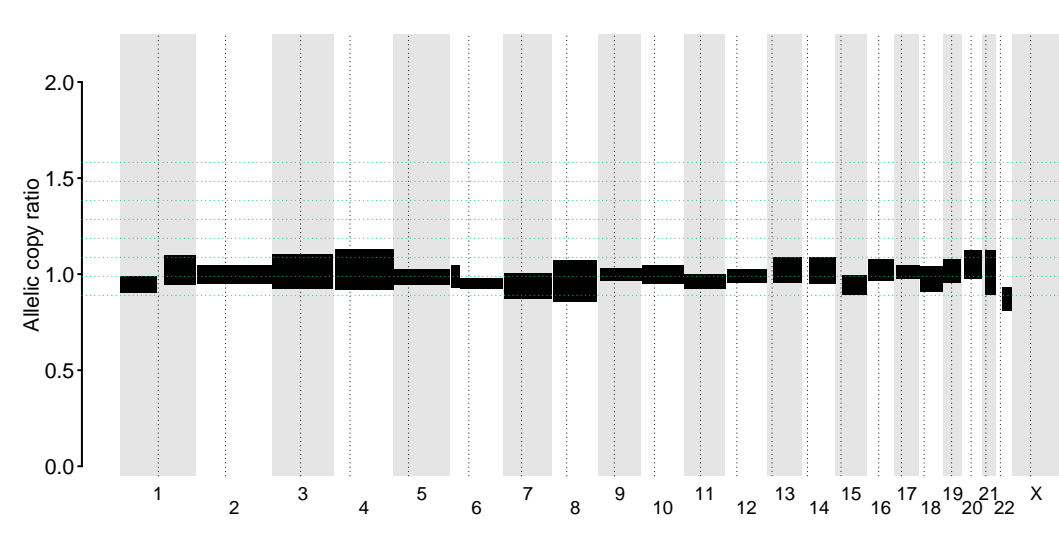
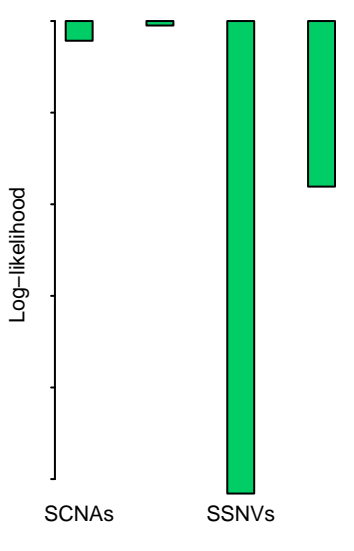
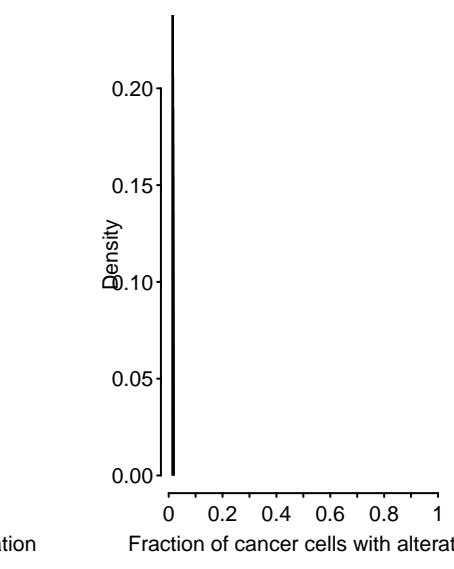
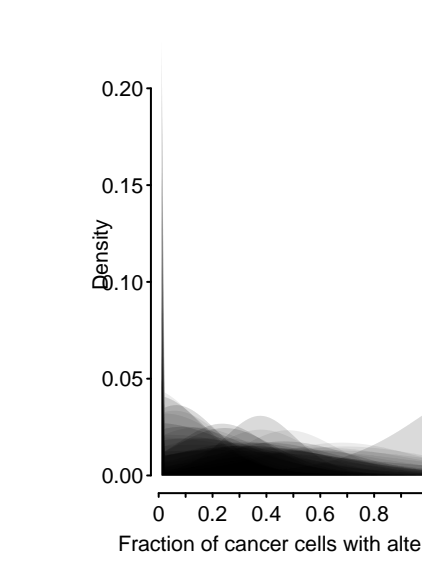
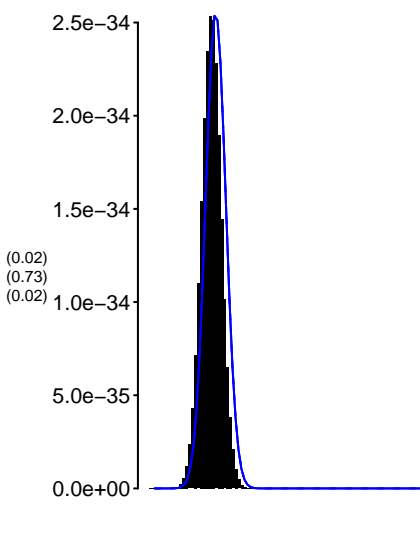
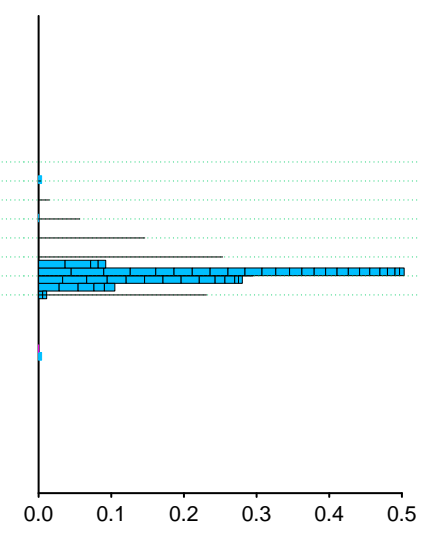
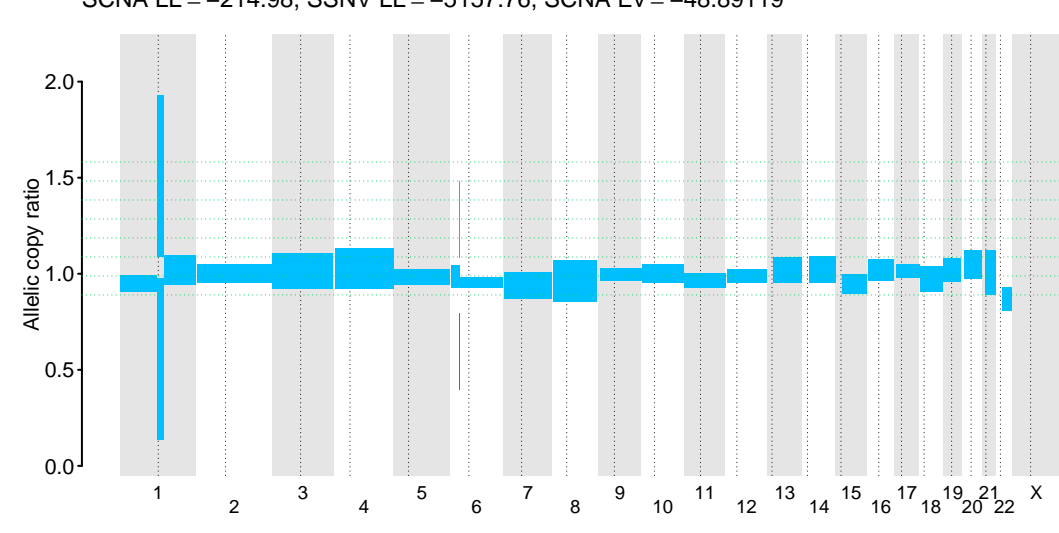


Sample 97

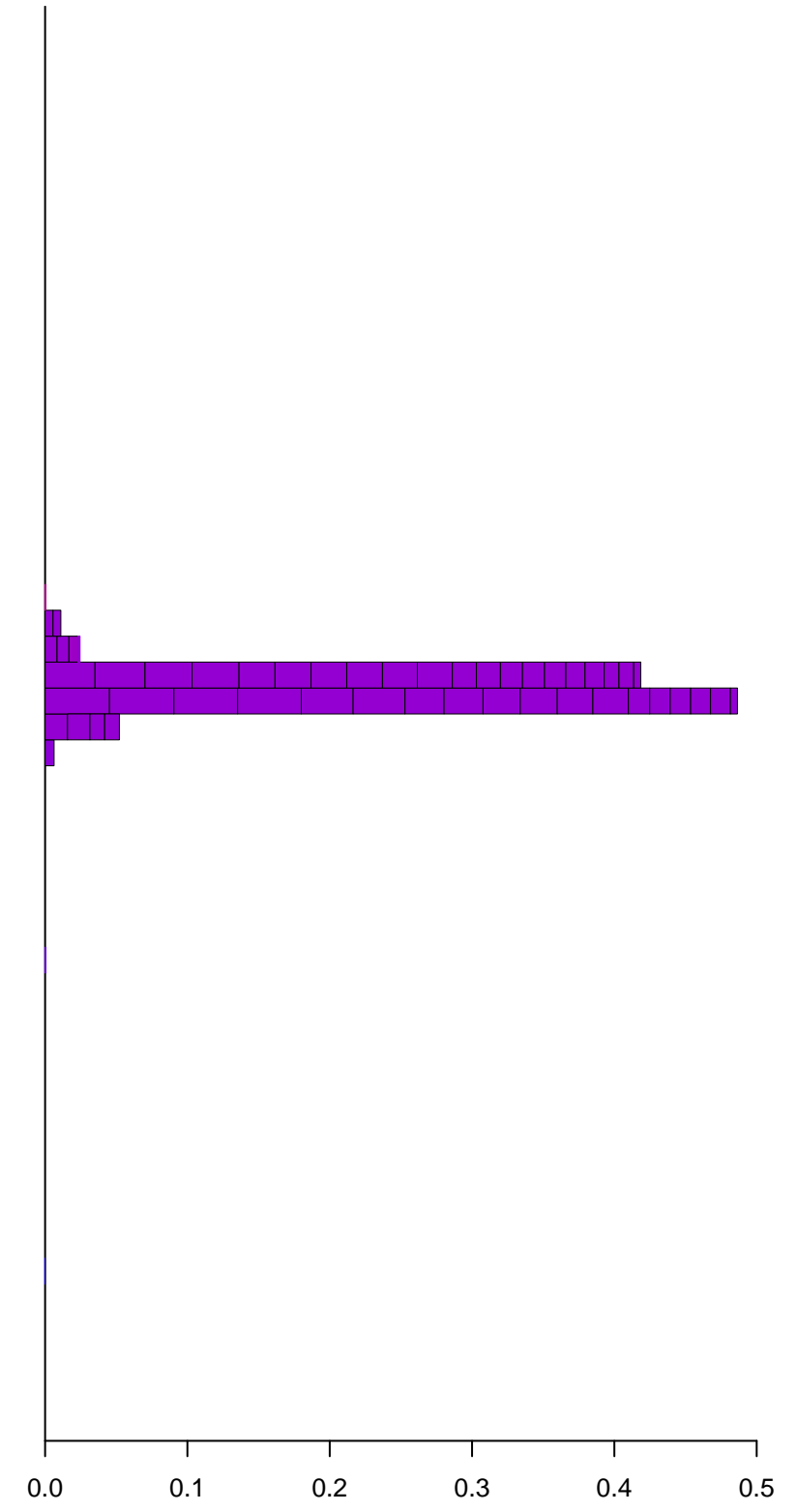
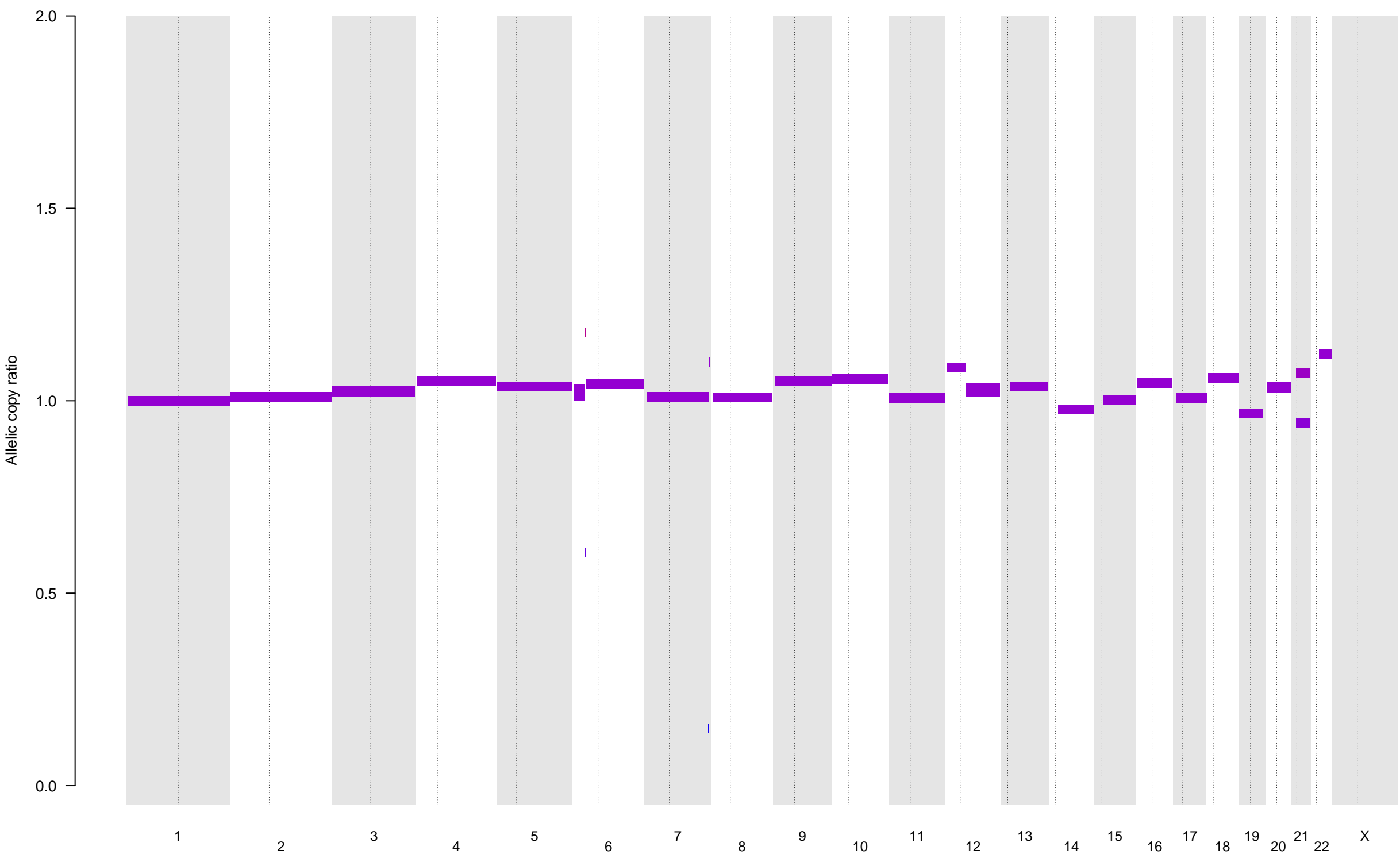


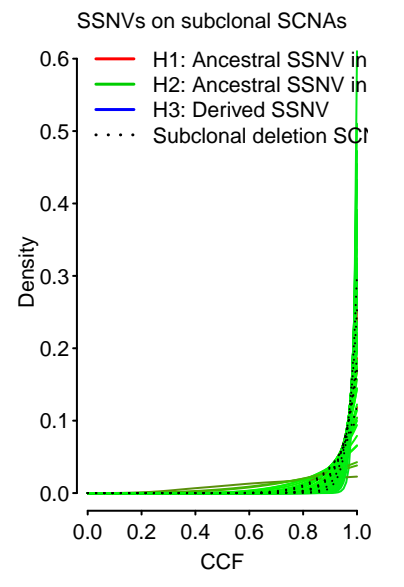
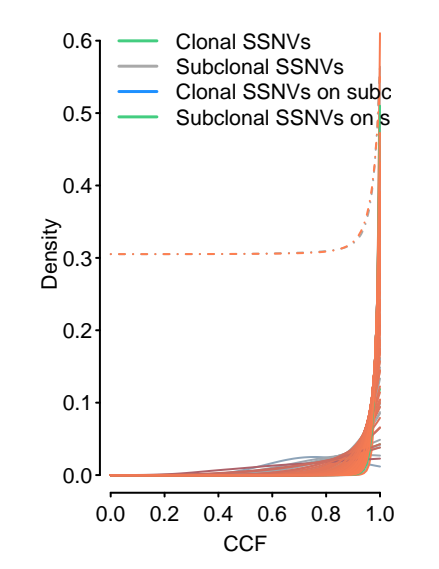
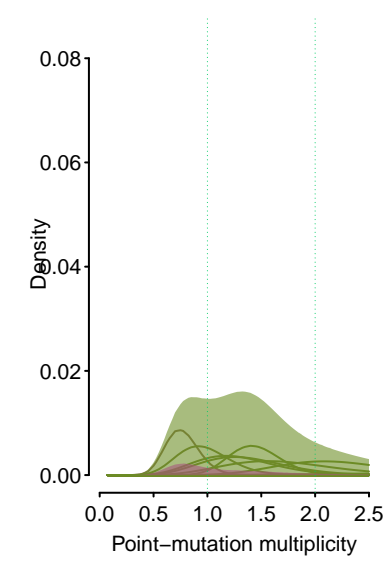
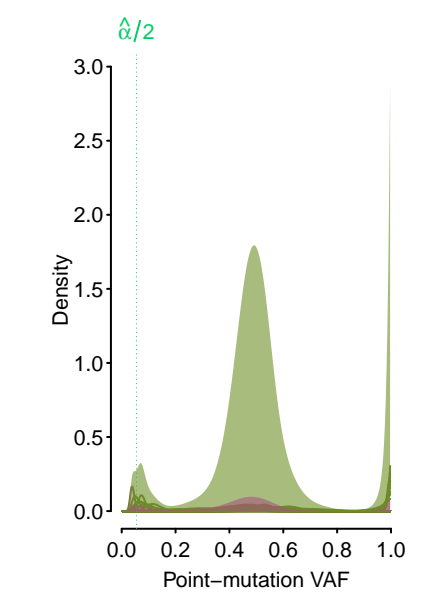
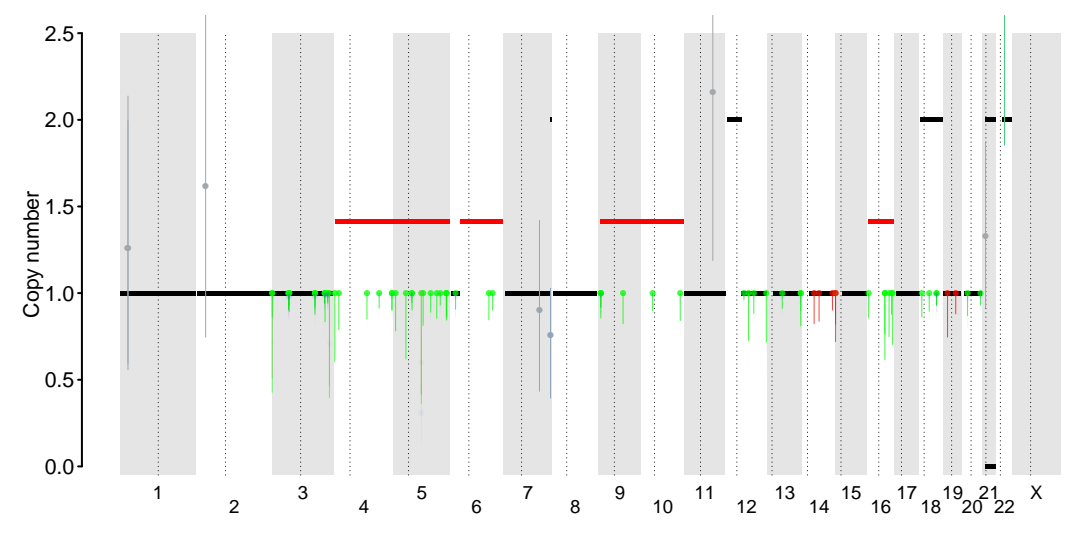
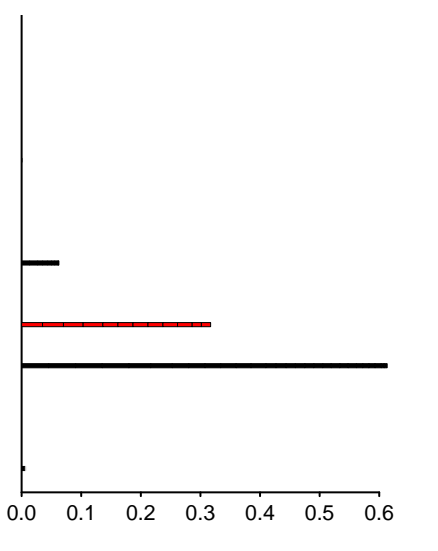
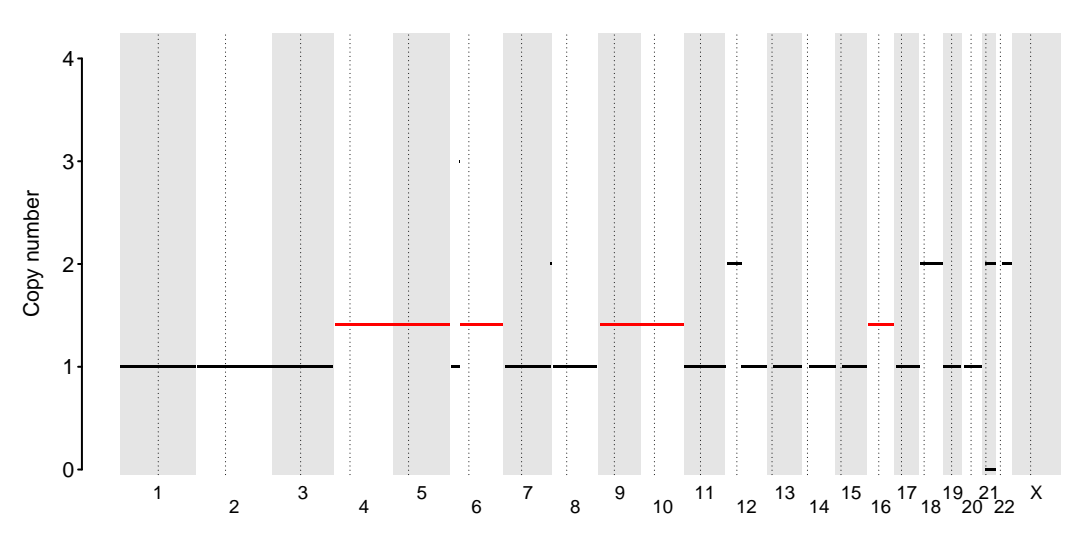
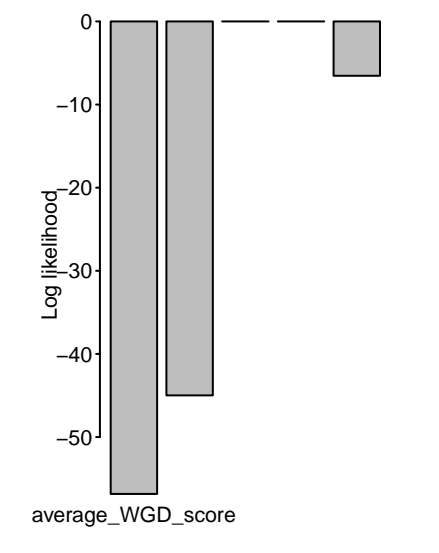
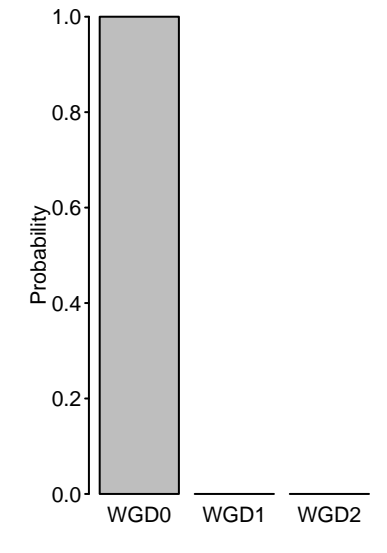
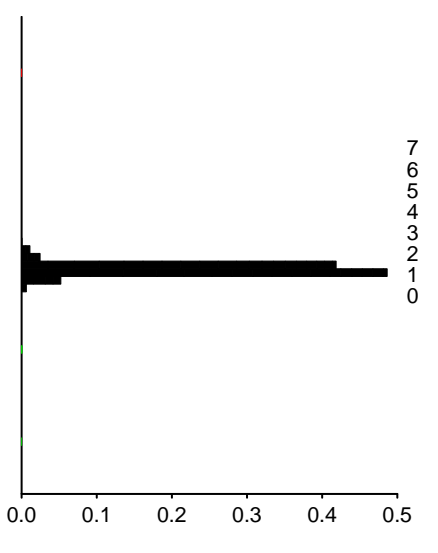
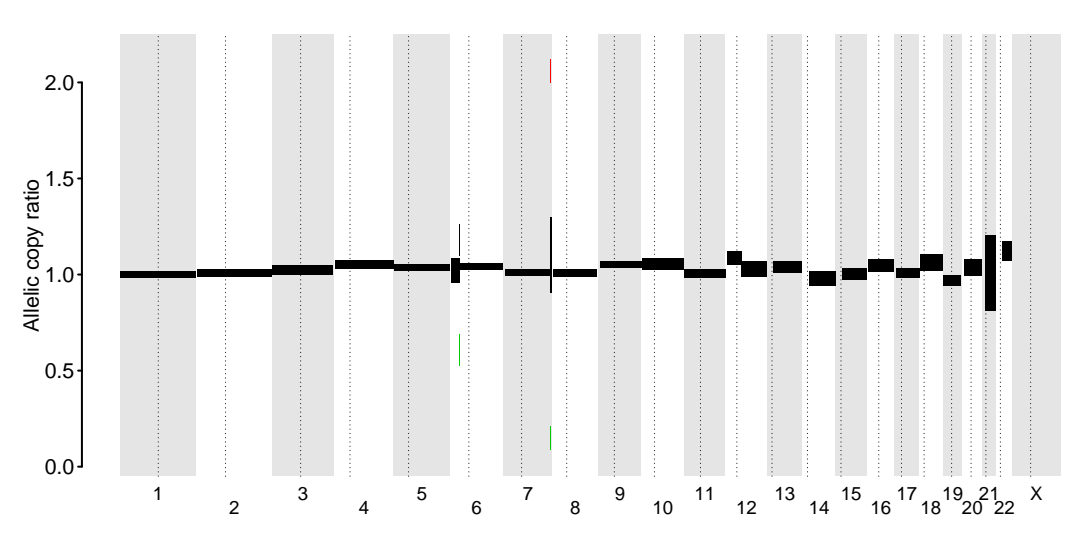
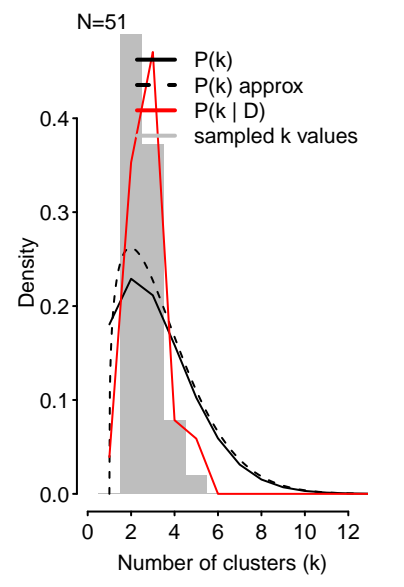
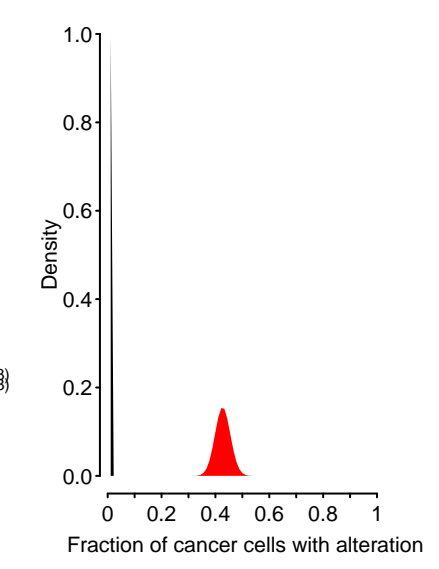
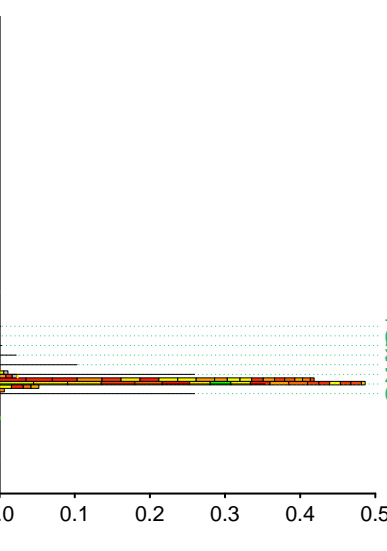
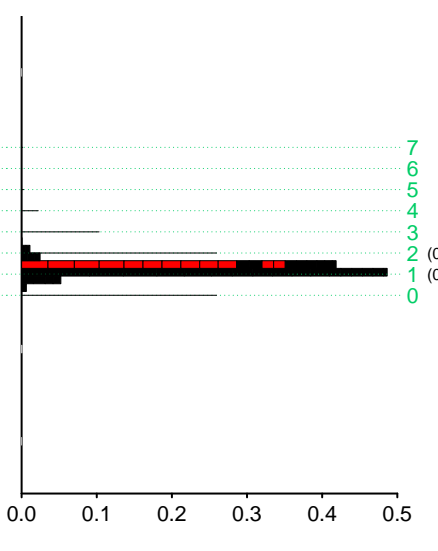
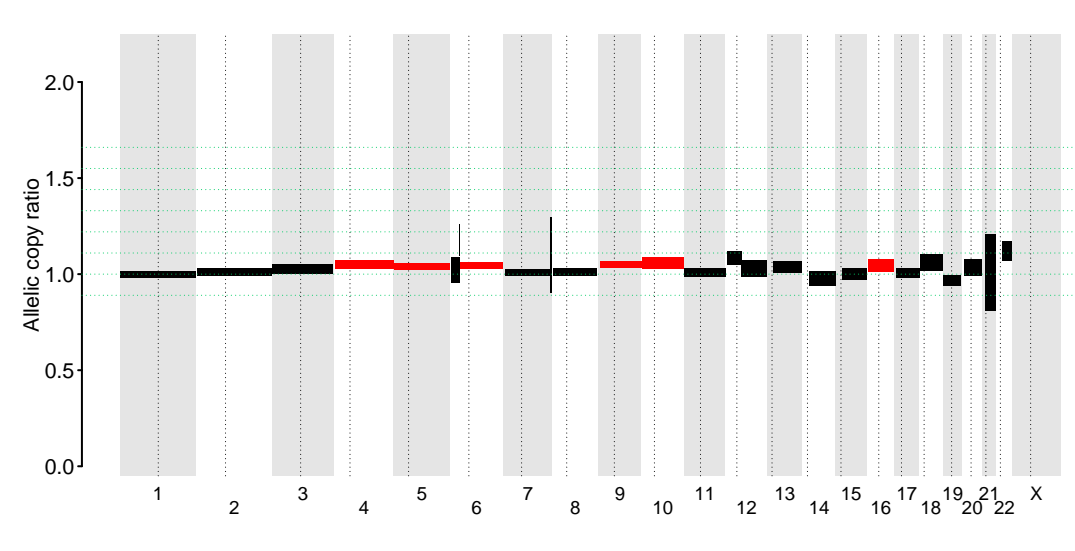
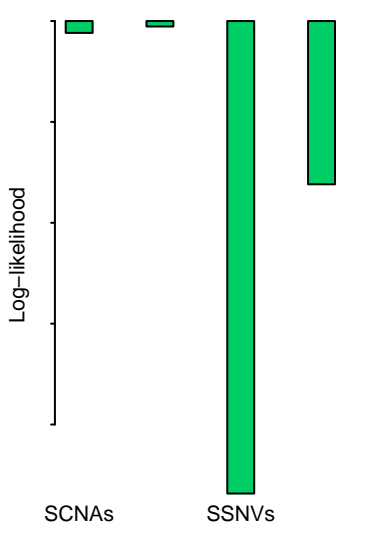
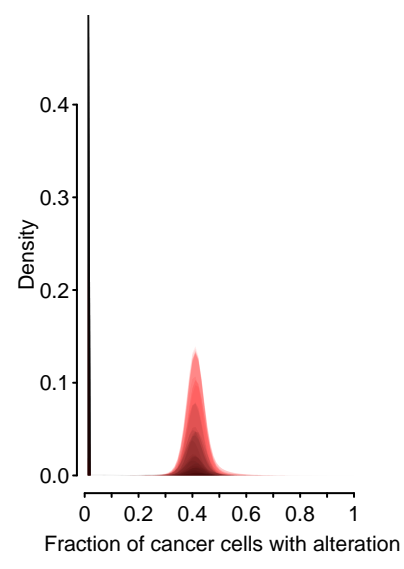
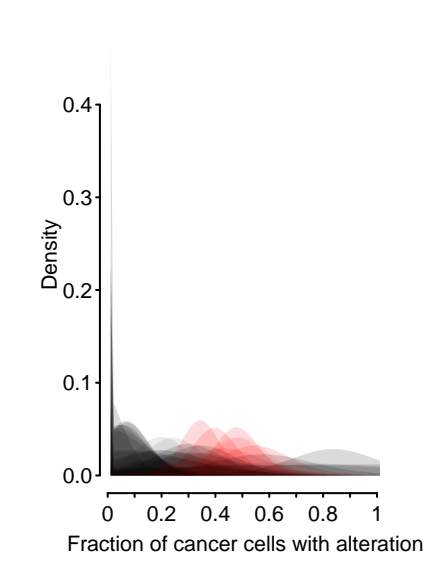
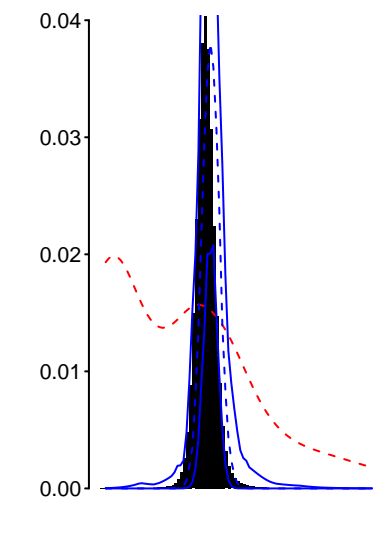
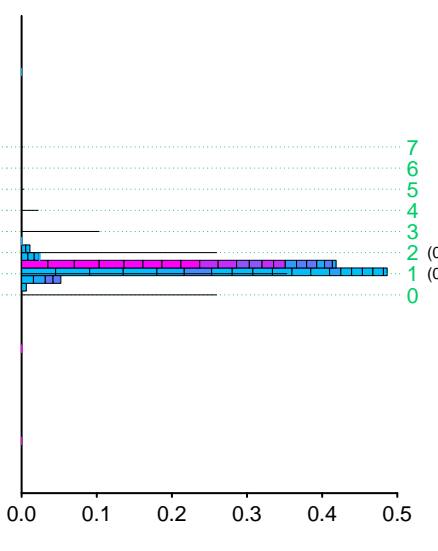
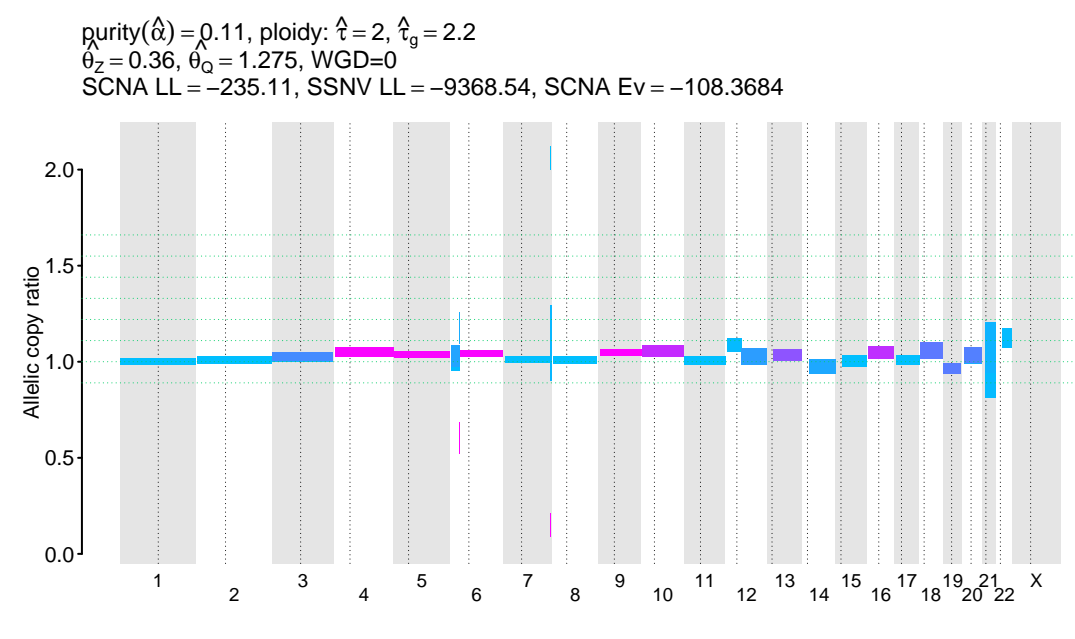
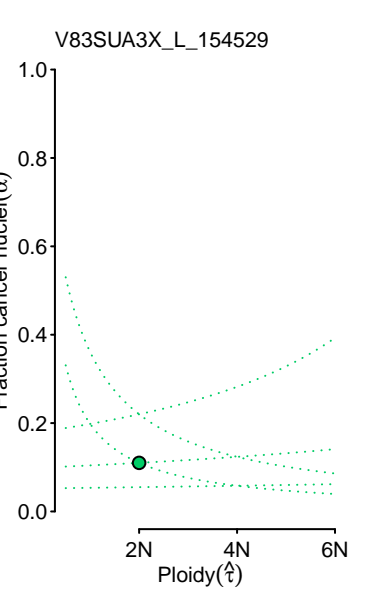


purity($\hat{\alpha}$) = 0.1, ploidy: $\hat{t} = 2.23$, $\hat{t}_g = 2.03$
 $\theta_z = 0$, $\theta_0 = 1.586$, WGD=0
 SCNA LL = -214.98, SSNV LL = -5157.76, SCNA Ev = -48.89119

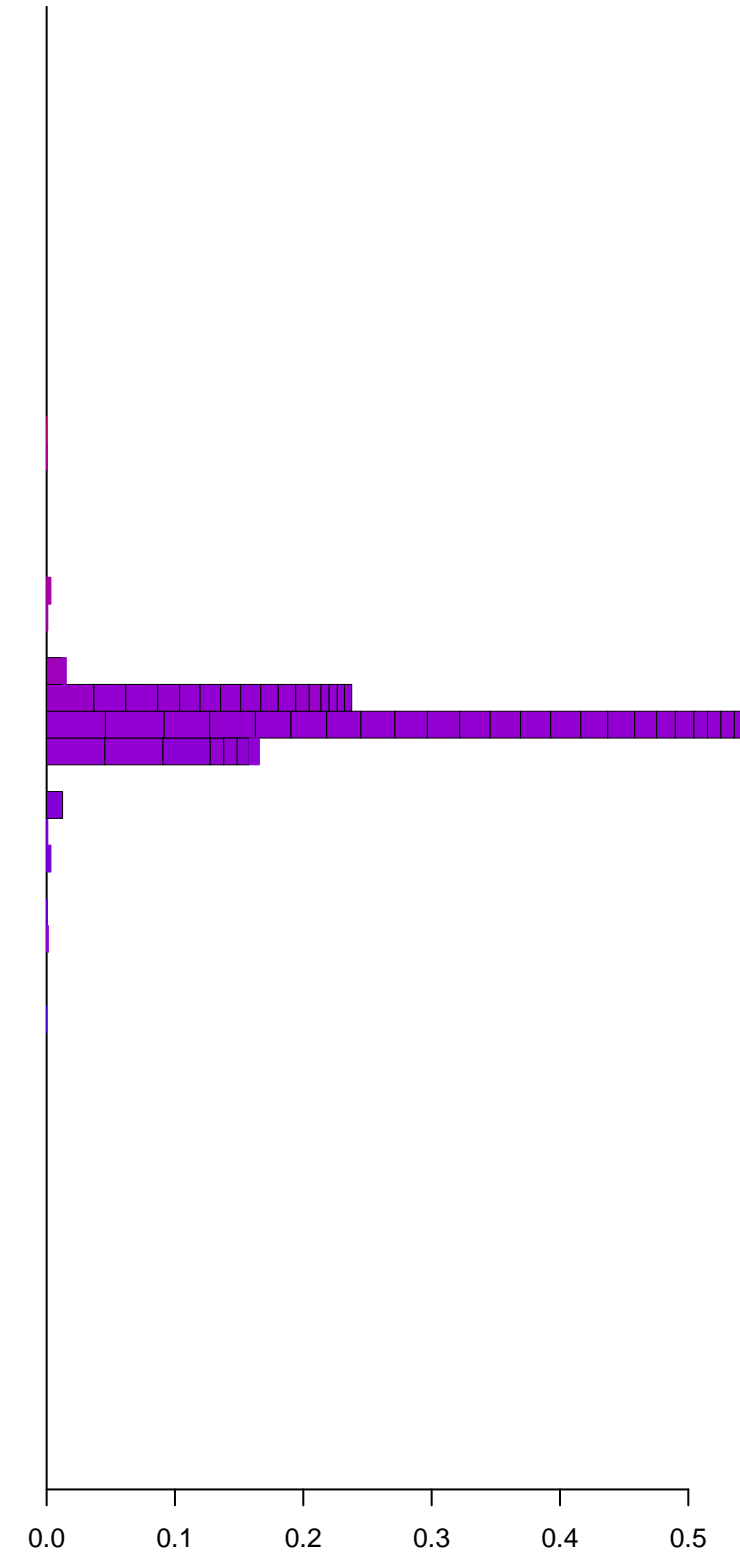
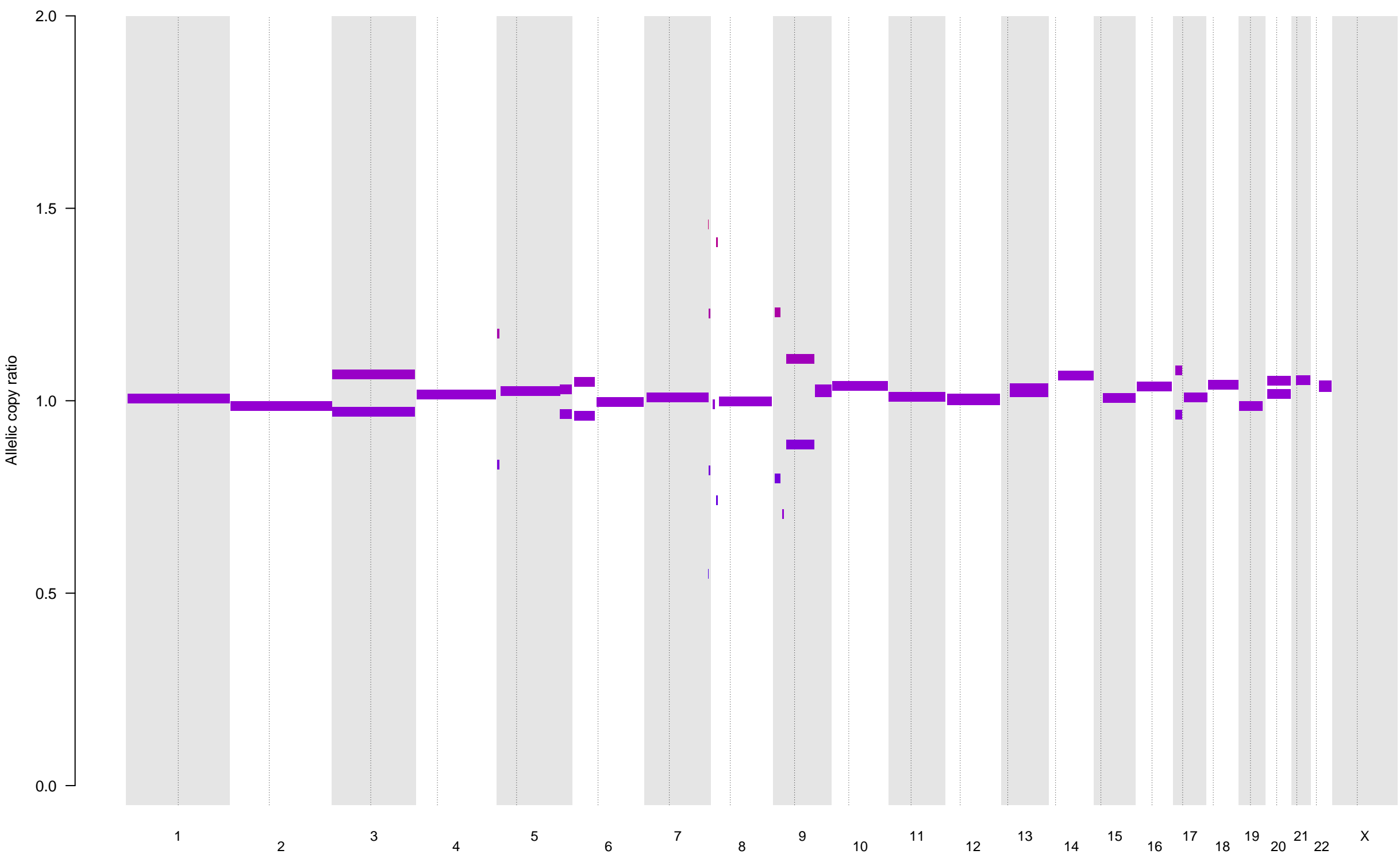


Sample 98

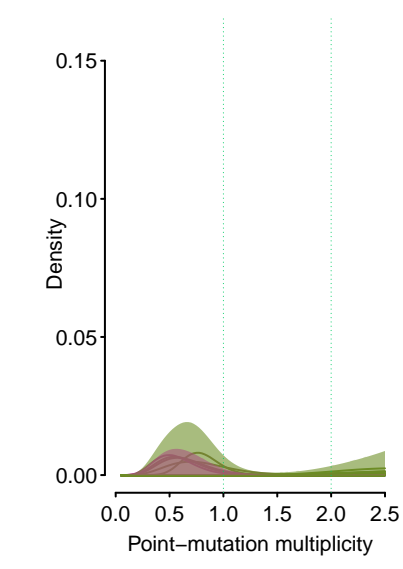
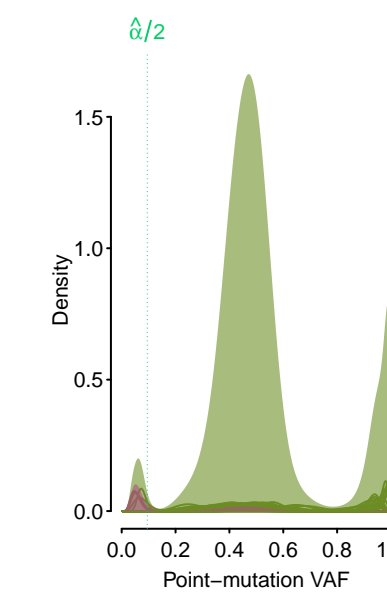
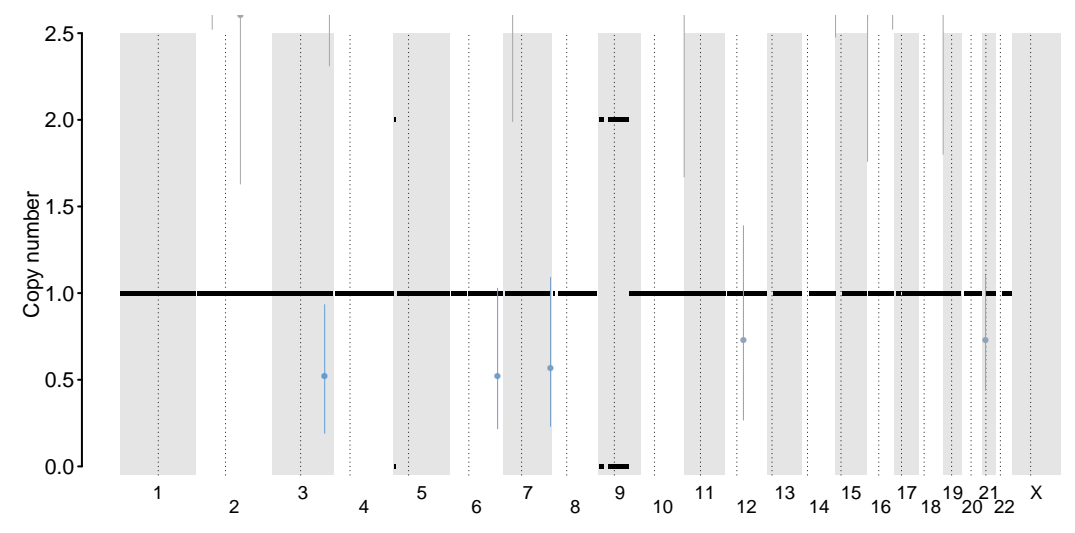
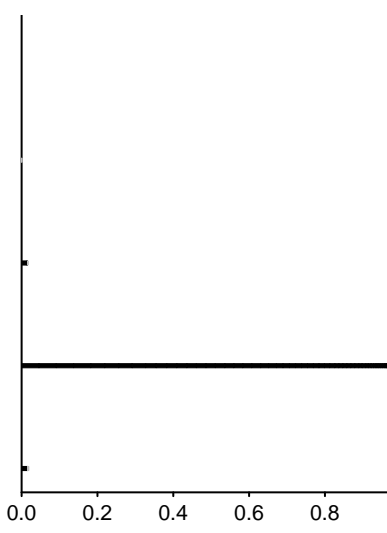
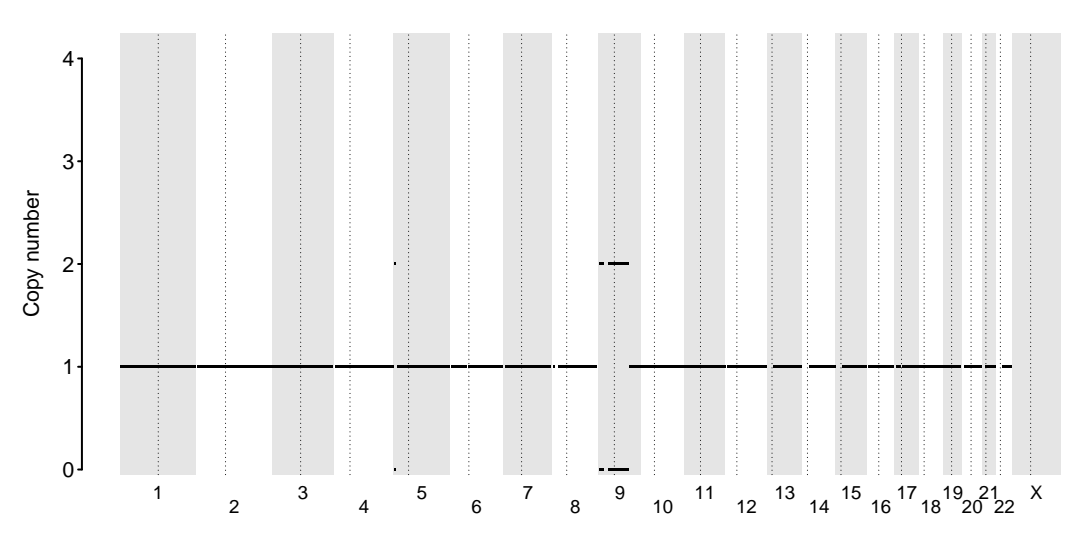
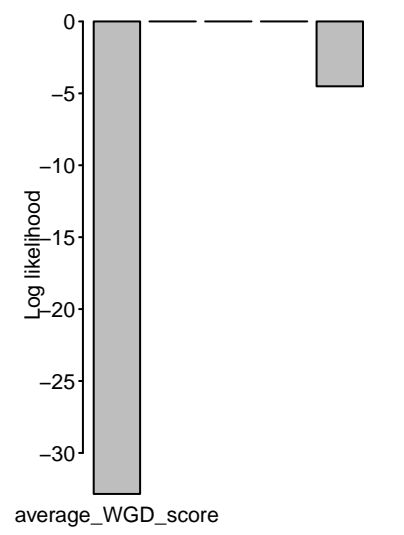
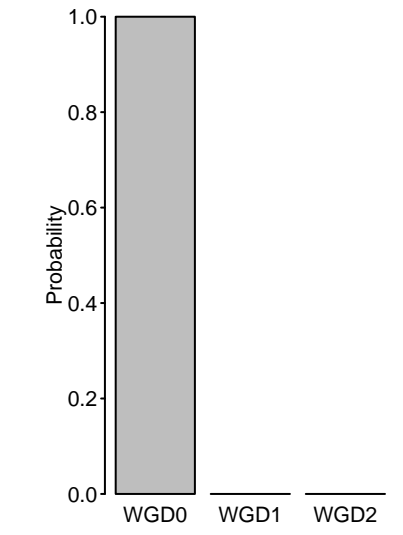
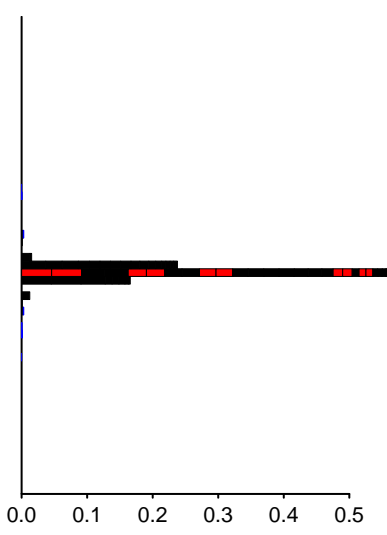
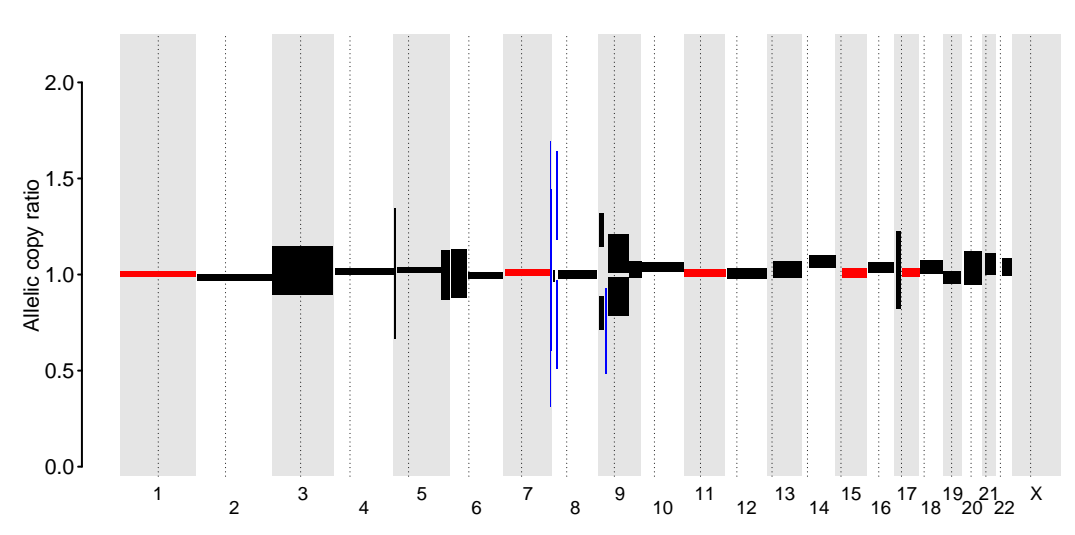
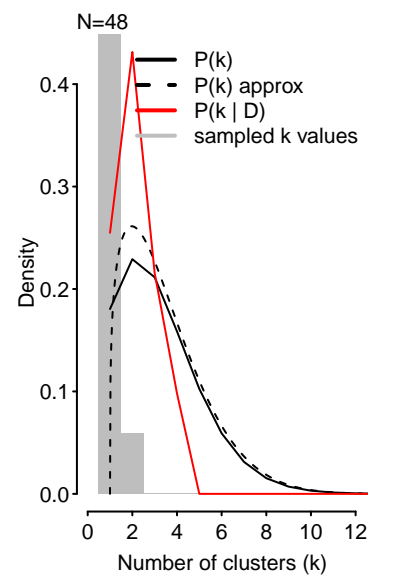
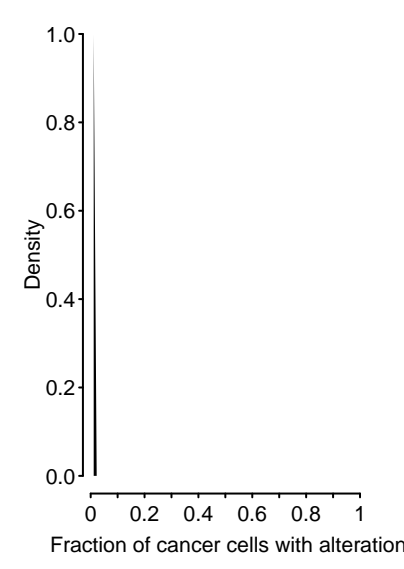
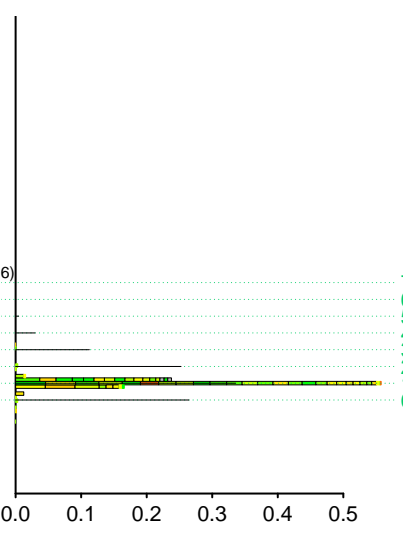
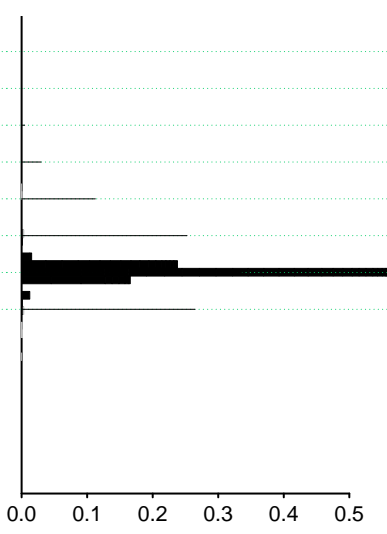
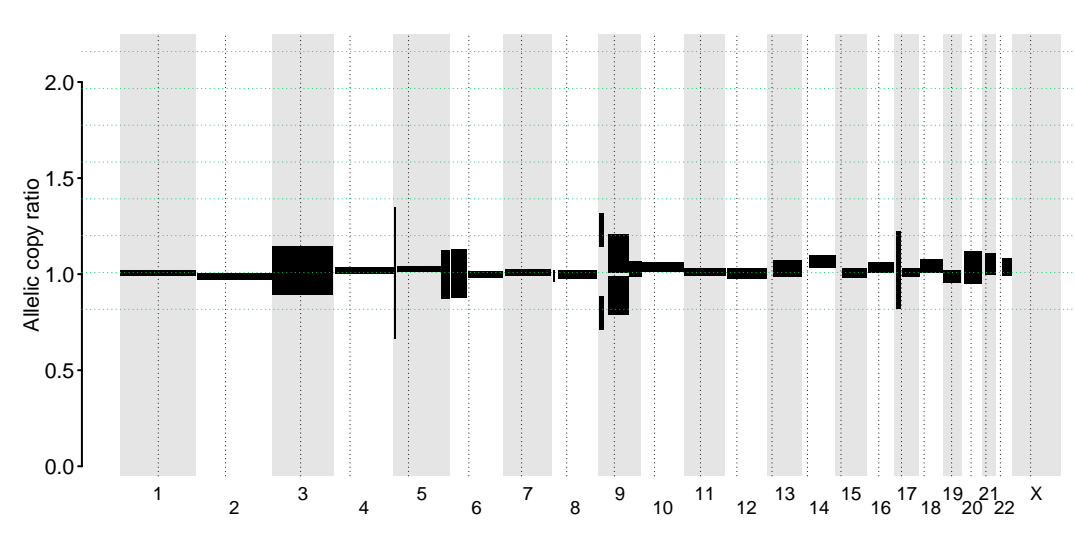
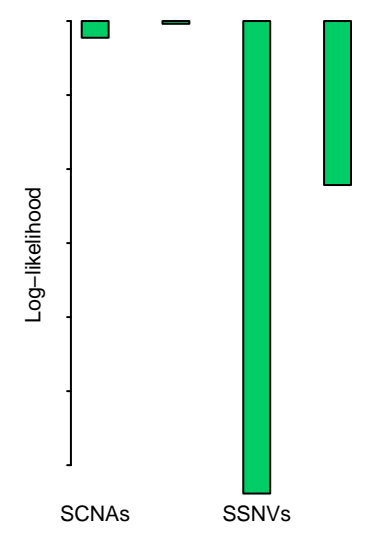
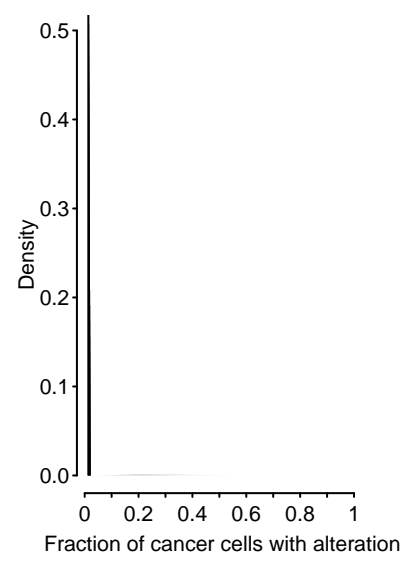
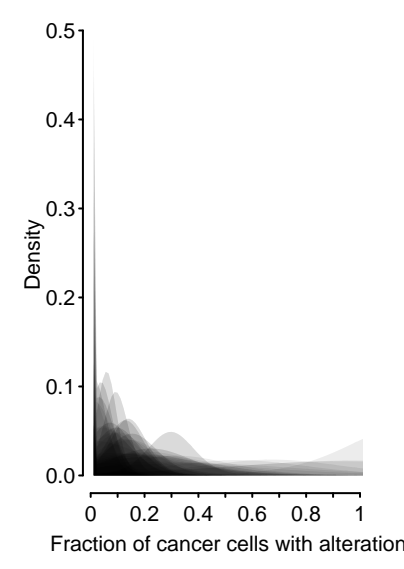
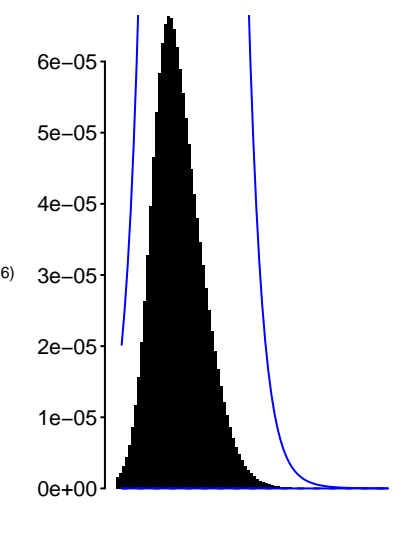
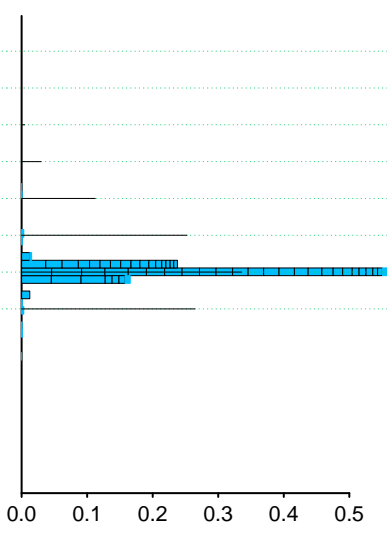
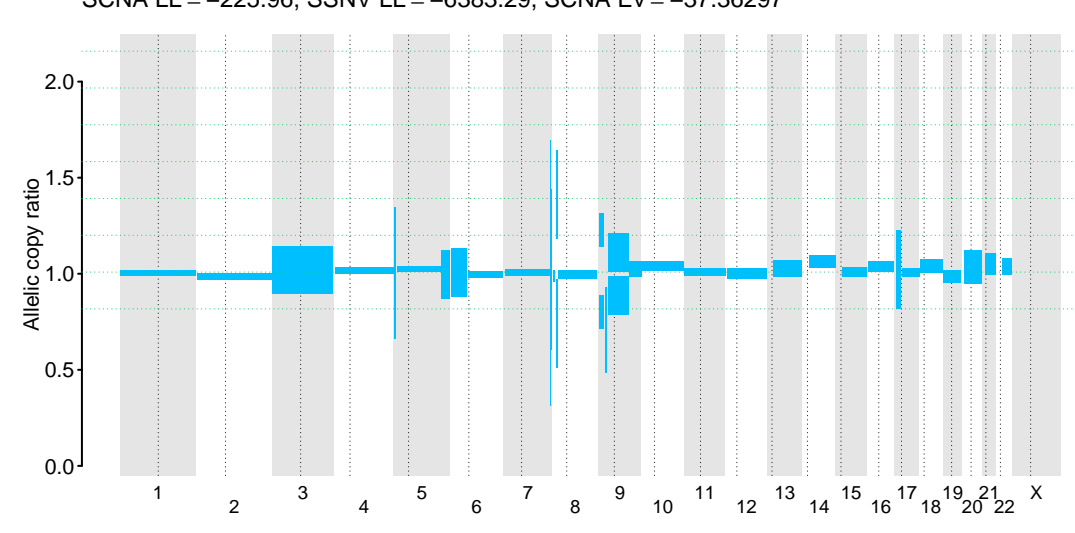
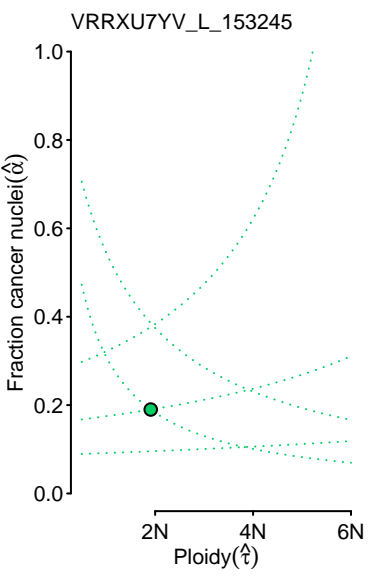




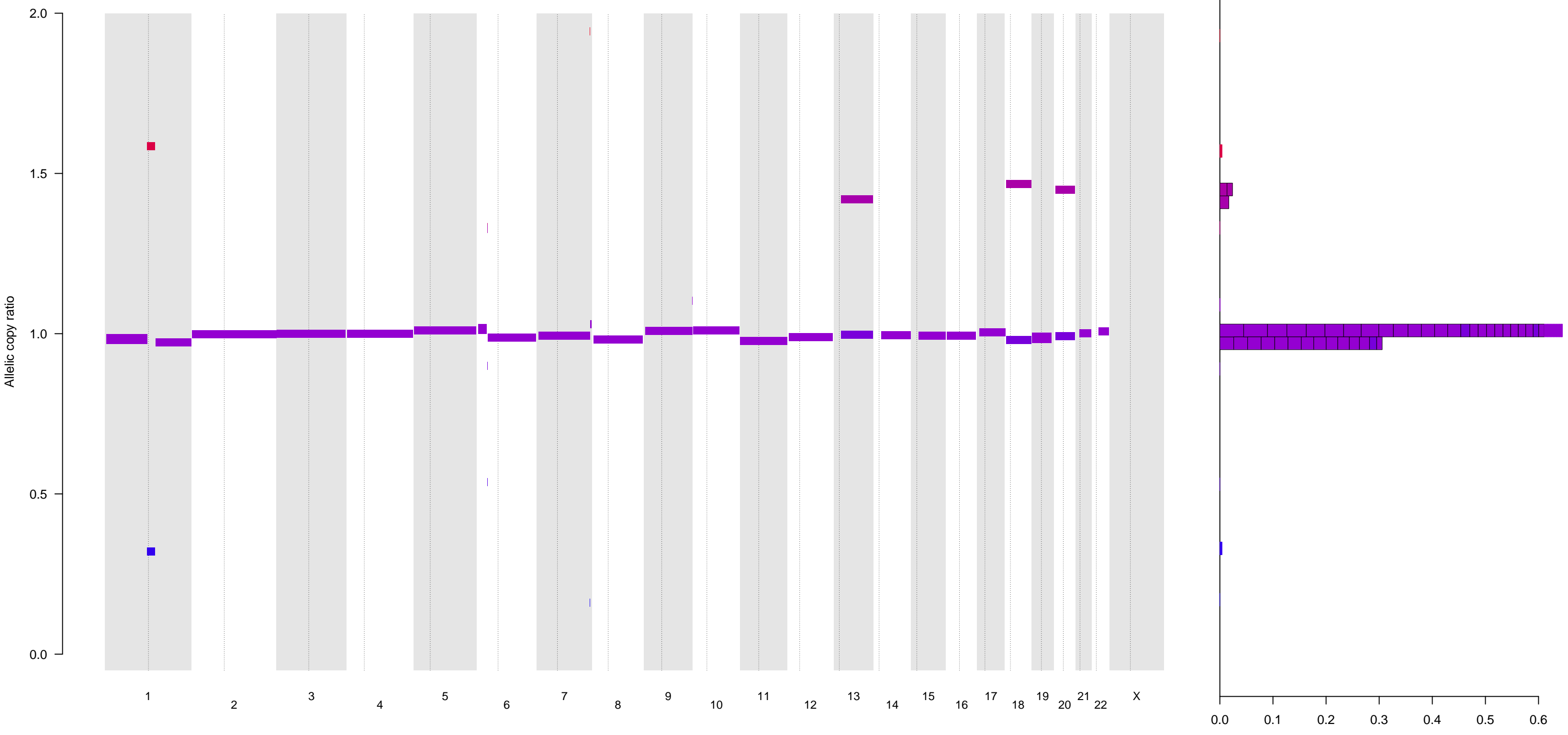
Sample 99



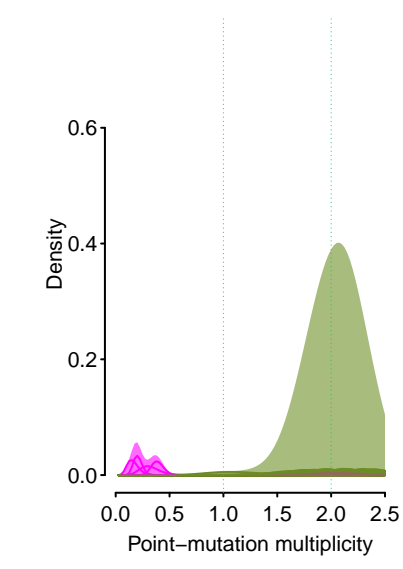
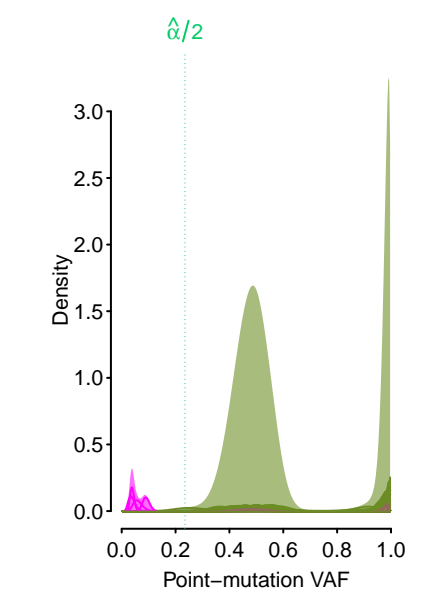
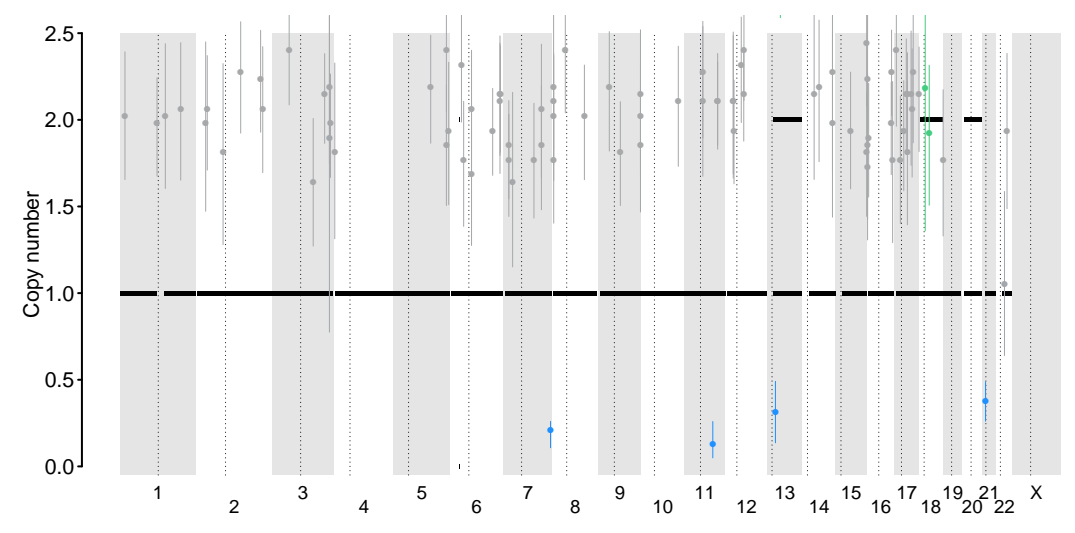
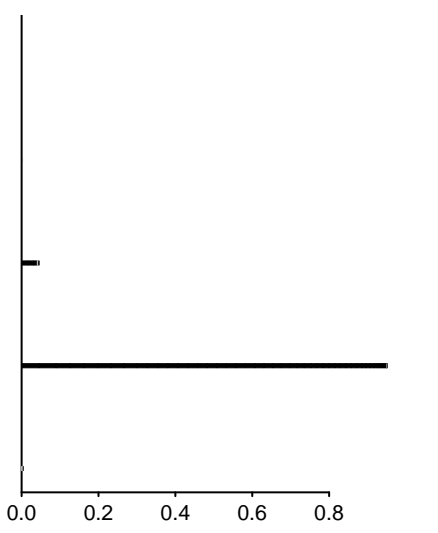
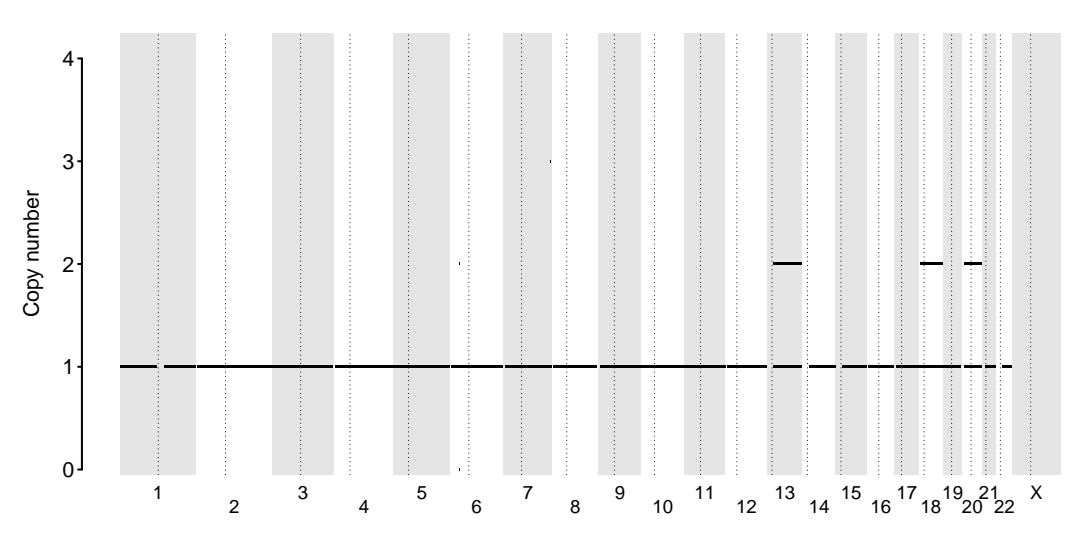
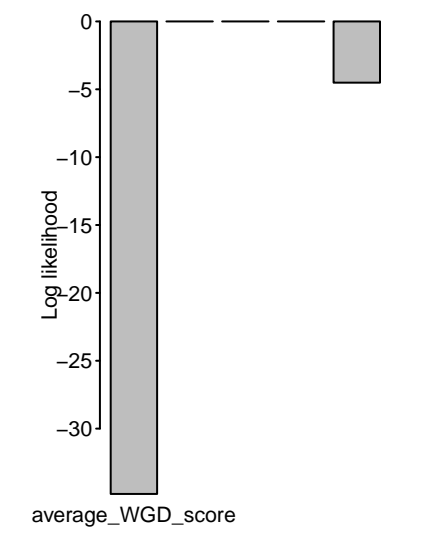
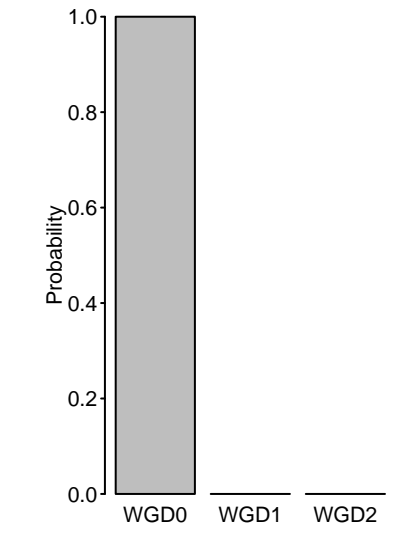
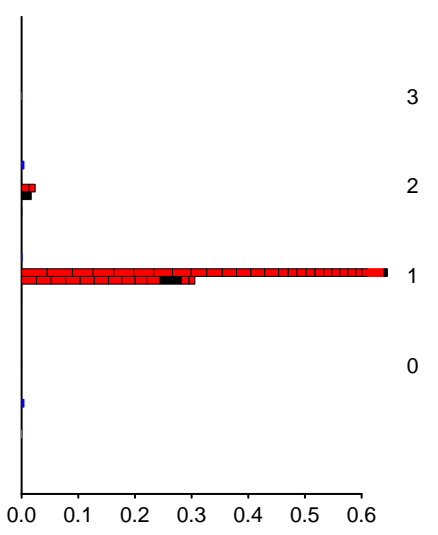
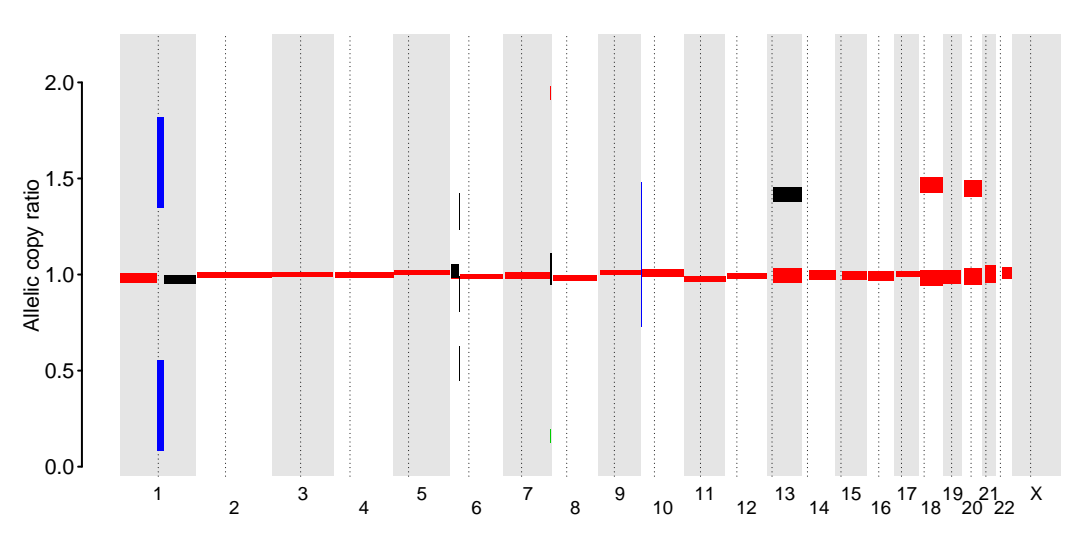
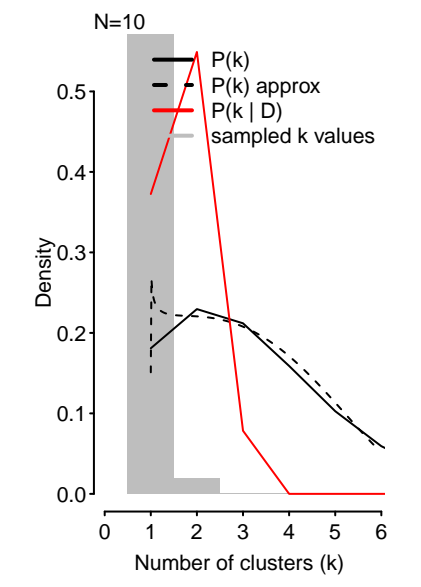
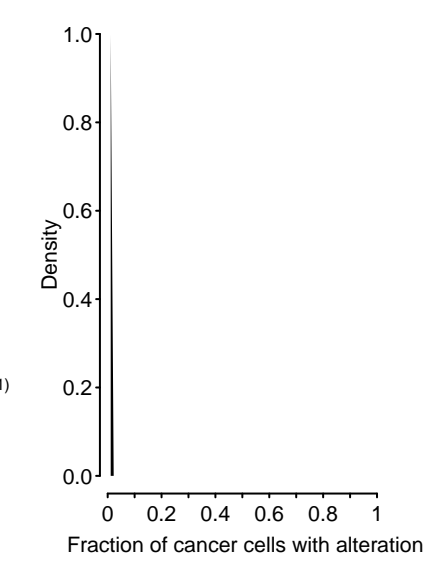
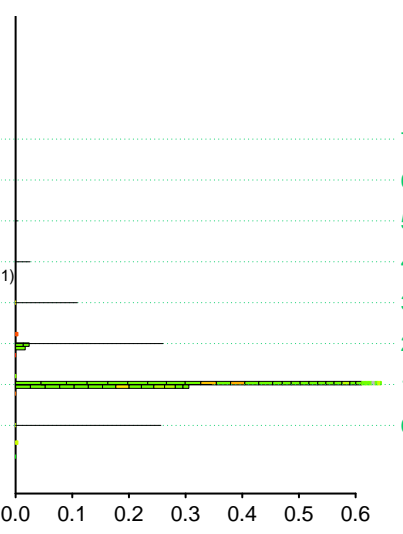
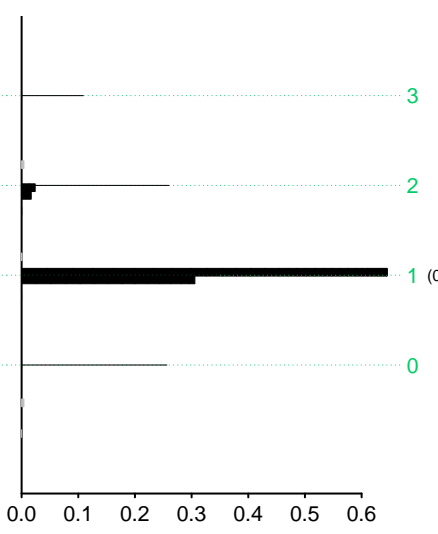
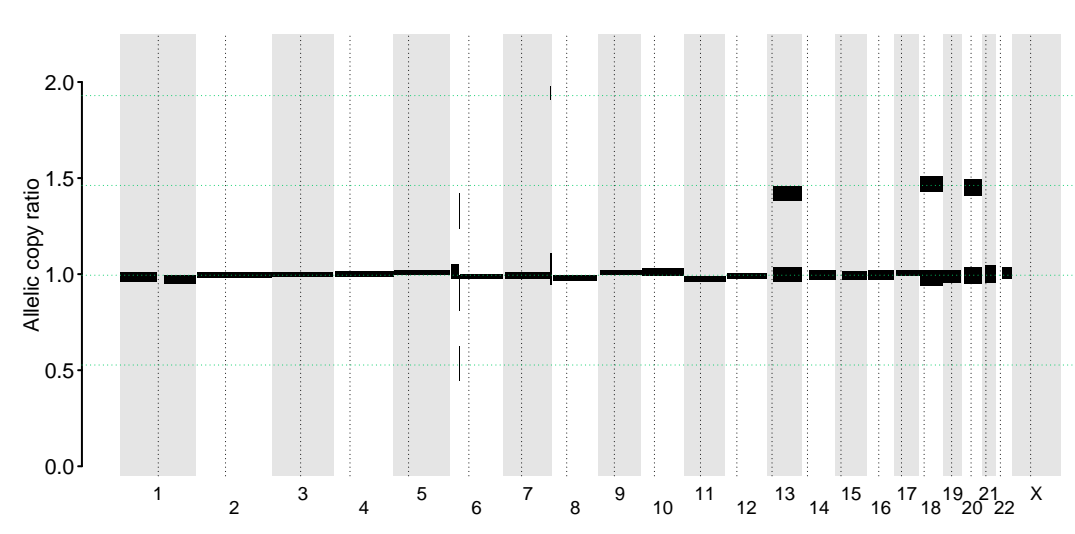
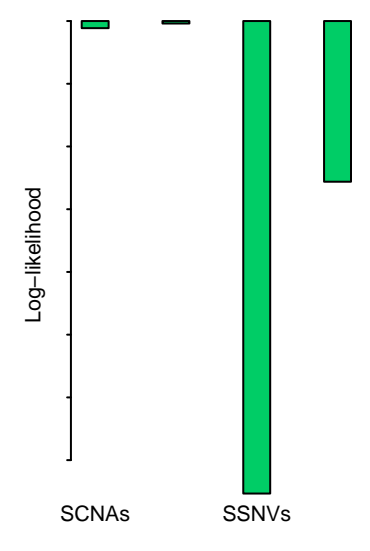
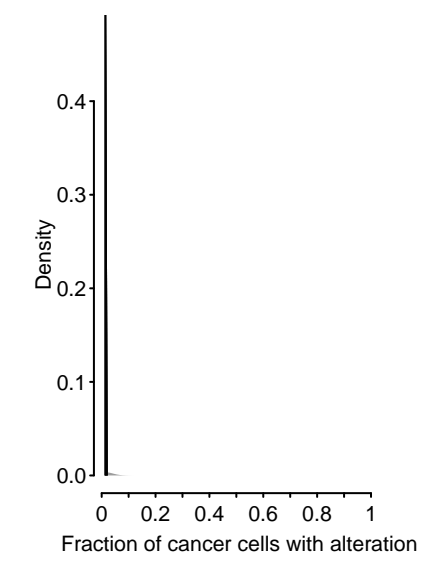
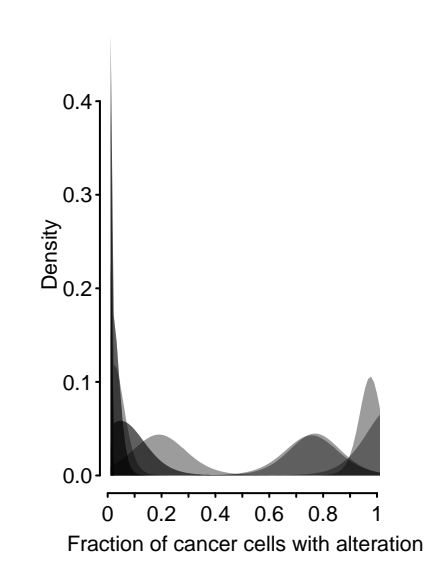
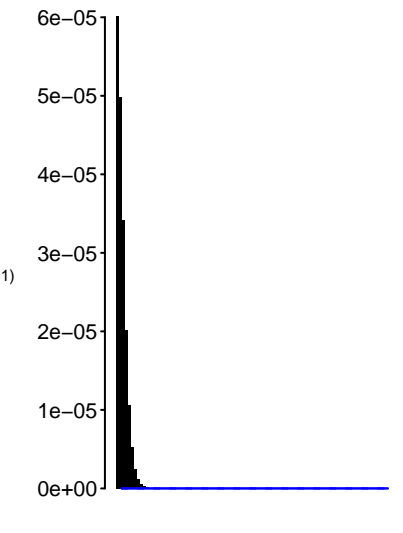
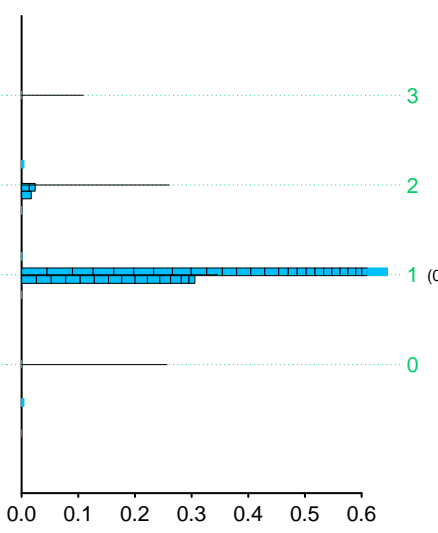
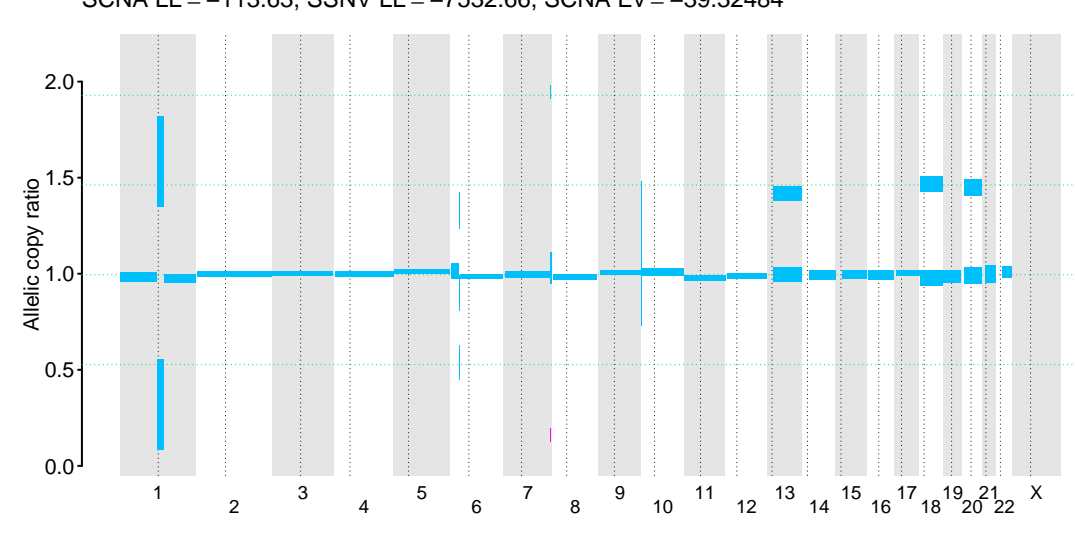
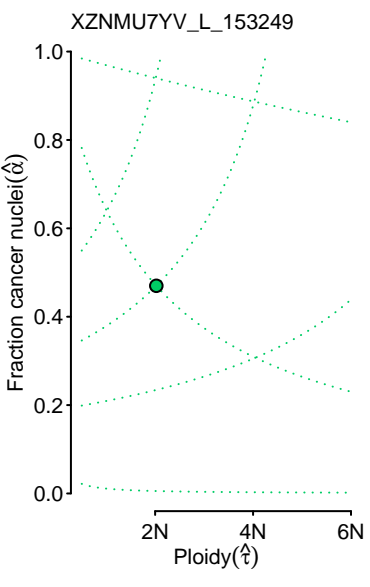
purity($\hat{\alpha}$) = 0.19, ploidy: $\hat{\tau} = 1.91$, $\hat{\tau}_g = 1.99$
 $\theta_z = 0$, $\theta_0 = 1.383$, WGD=0
 SCNA LL = -225.96, SSNV LL = -6383.29, SCNA Ev = -37.36297



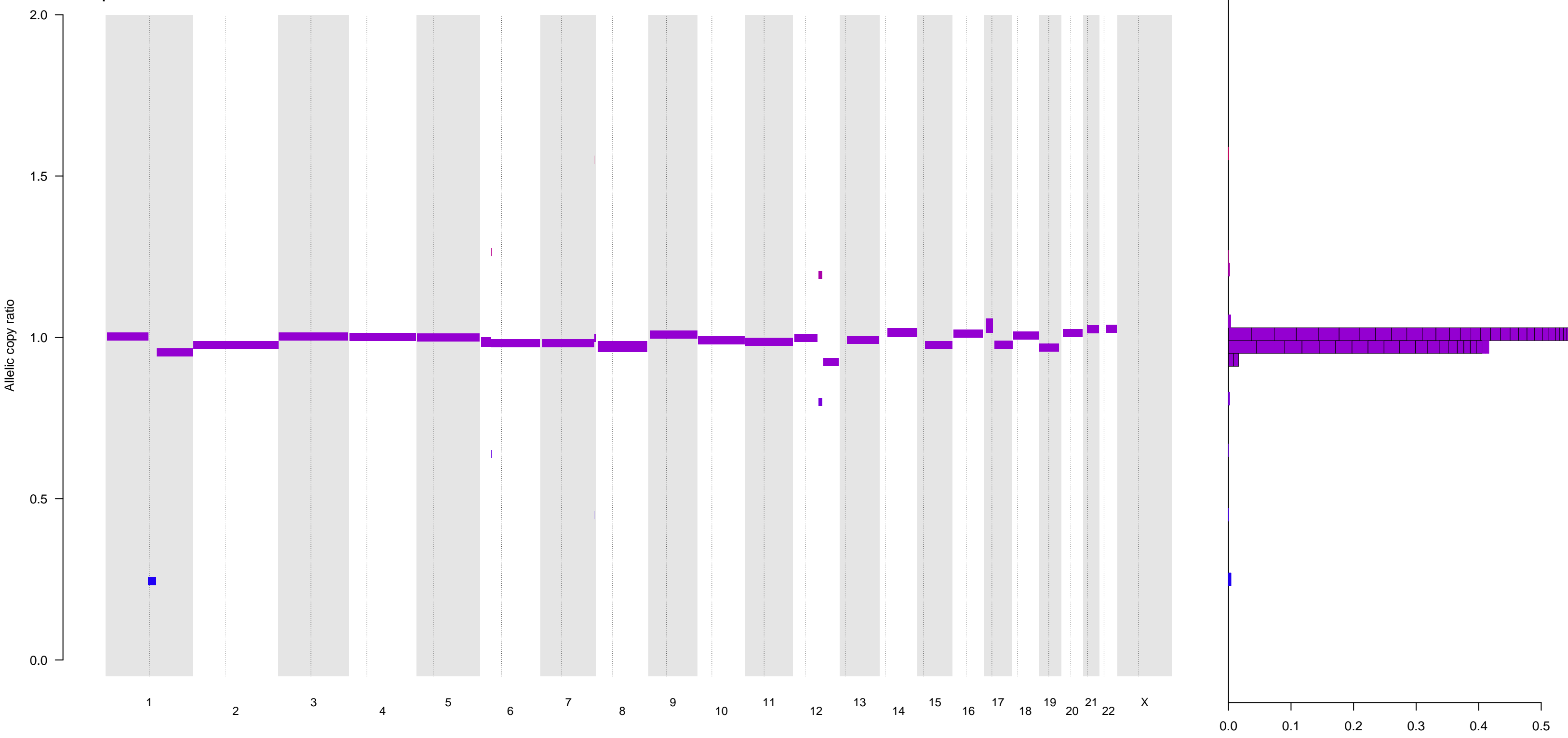
Sample 102

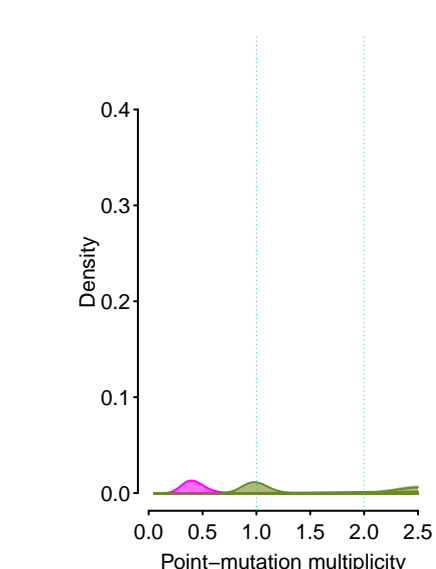
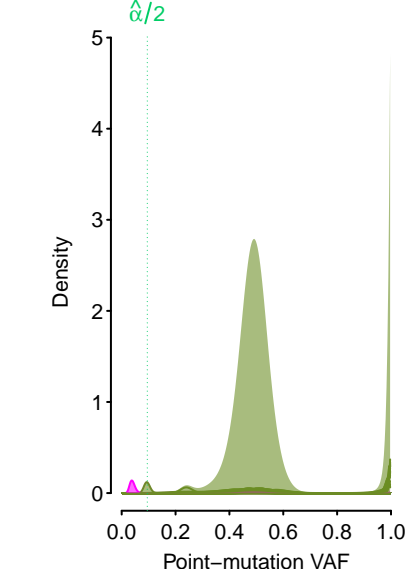
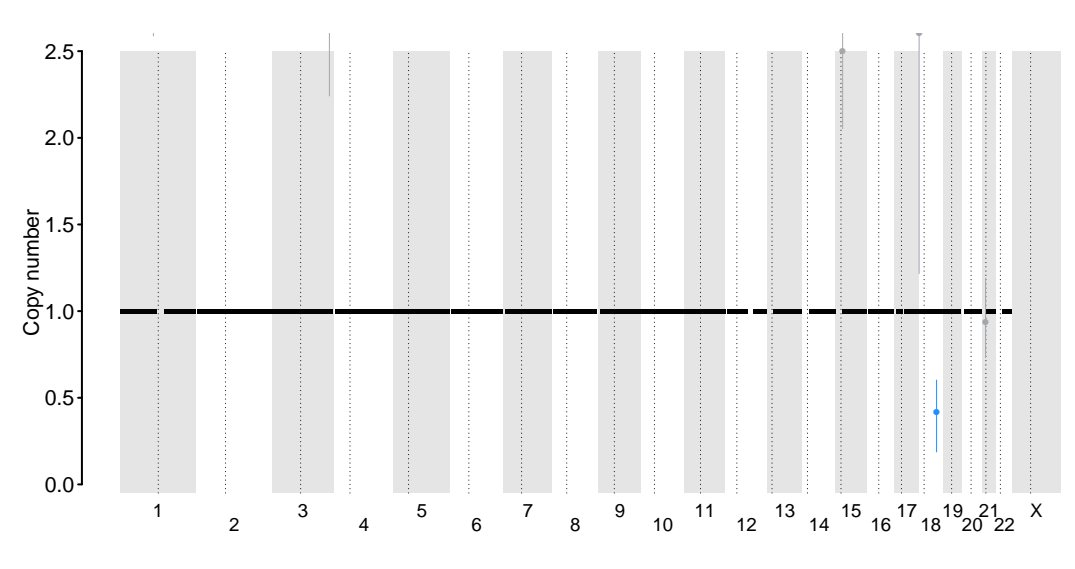
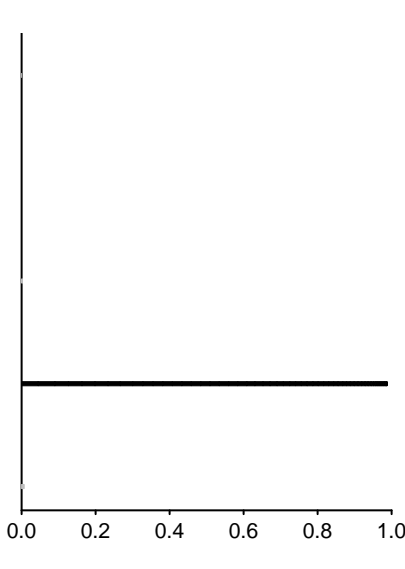
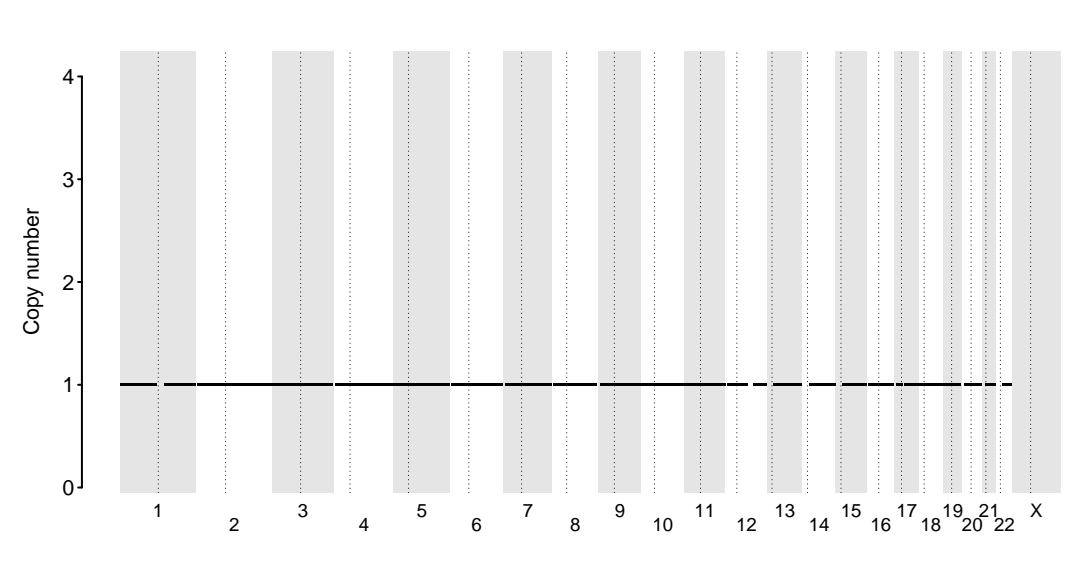
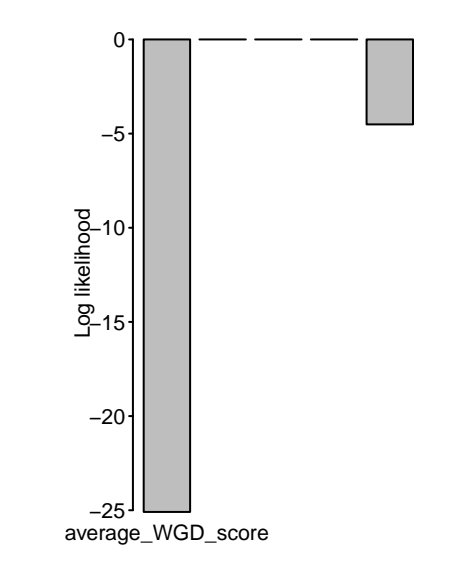
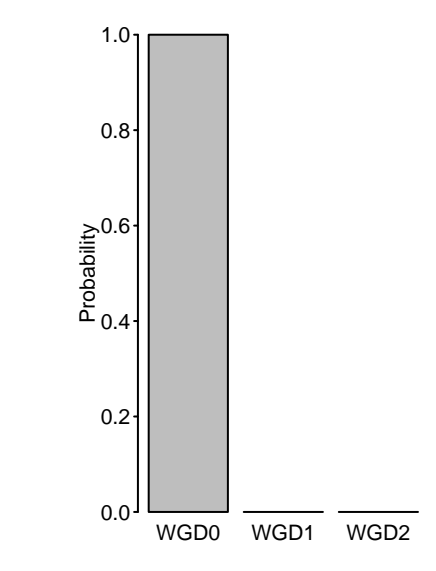
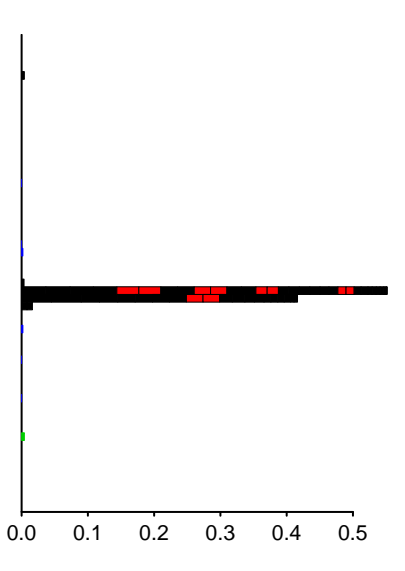
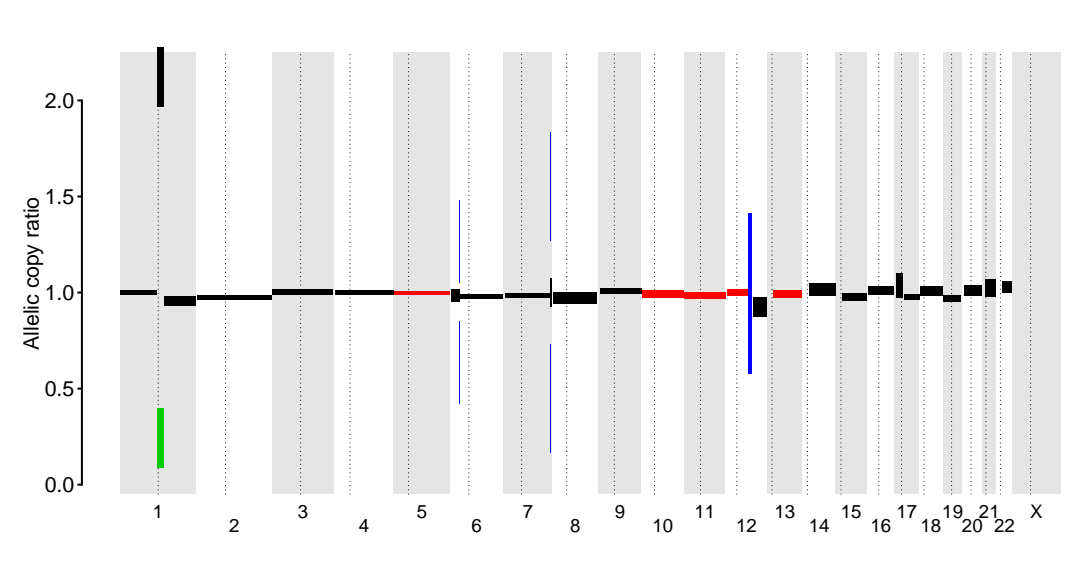
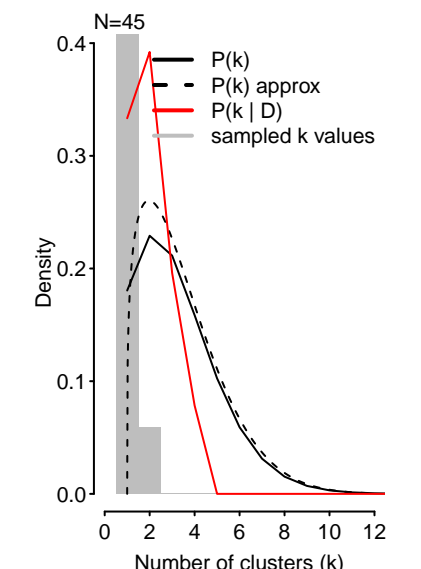
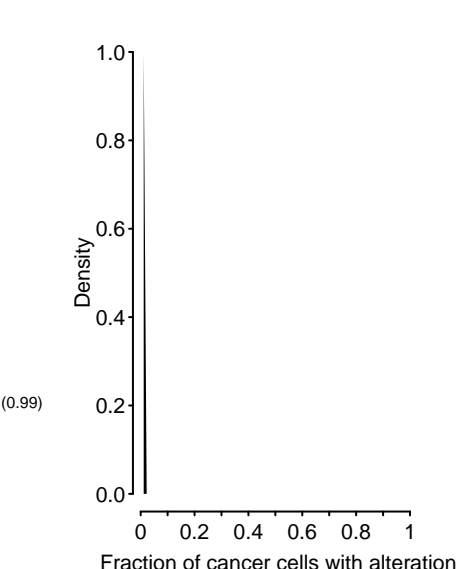
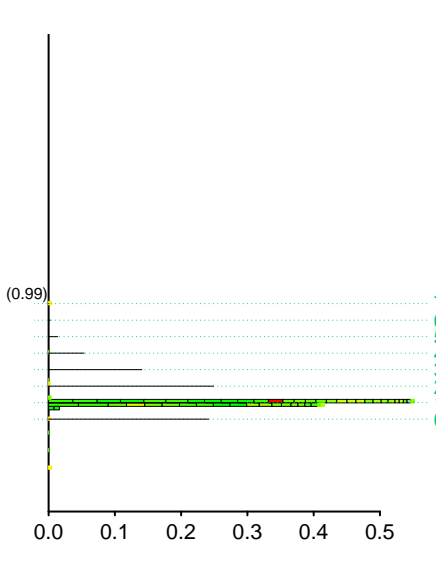
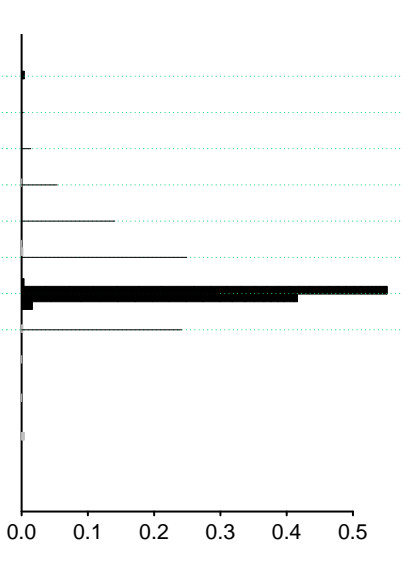
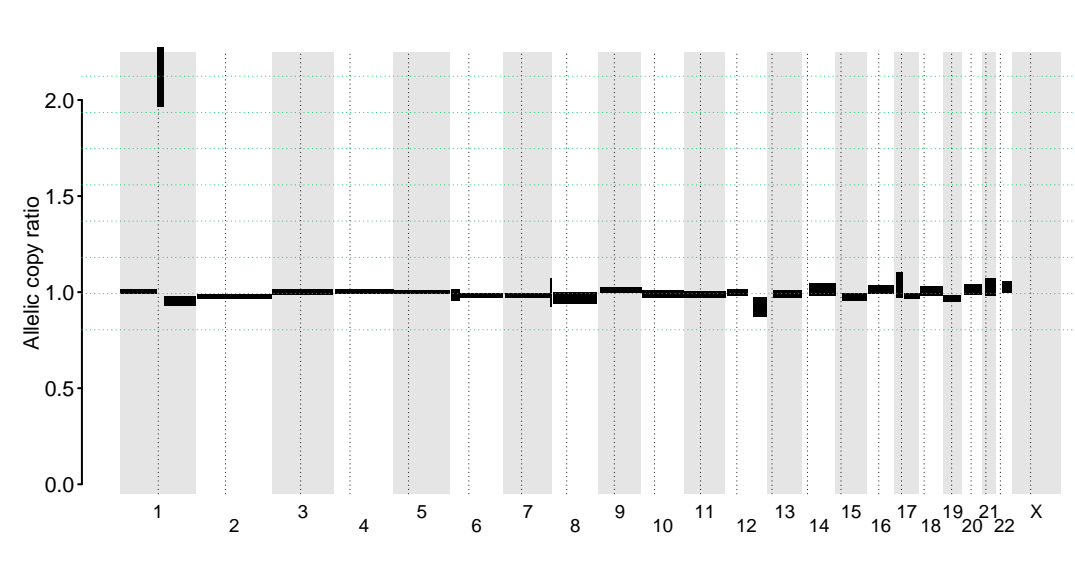
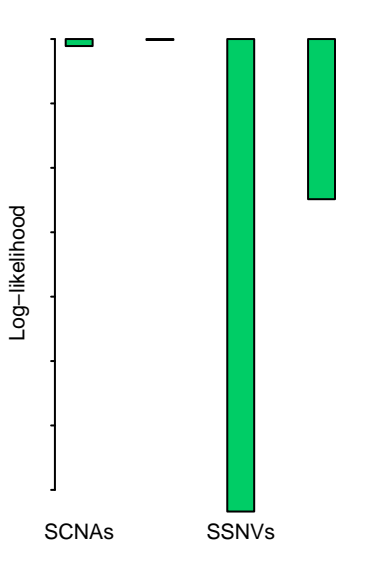
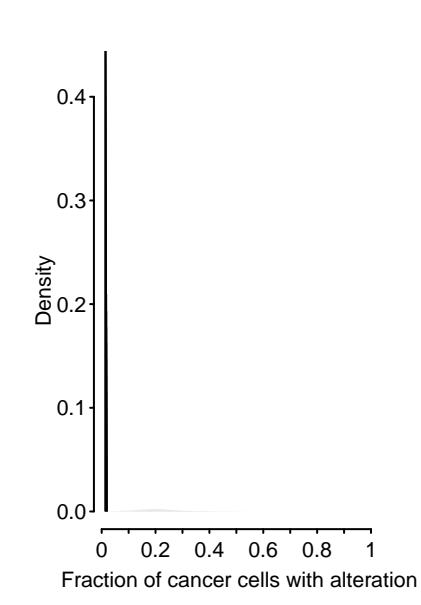
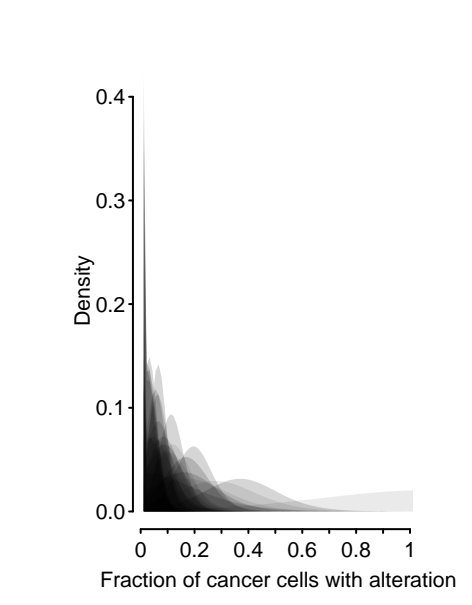
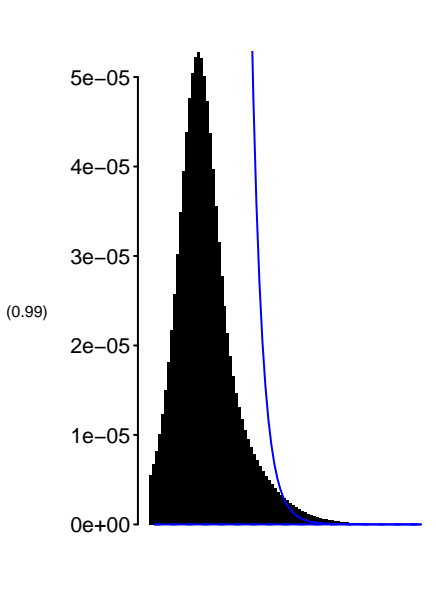
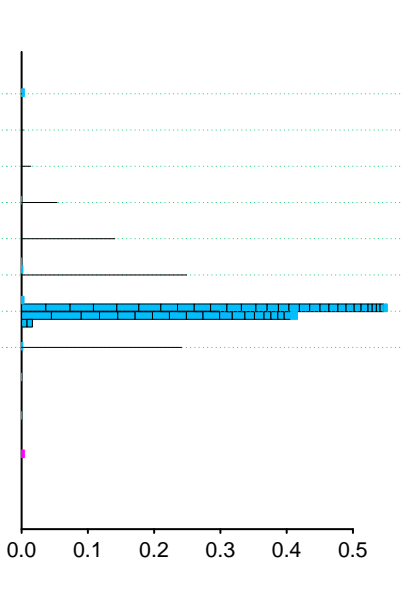
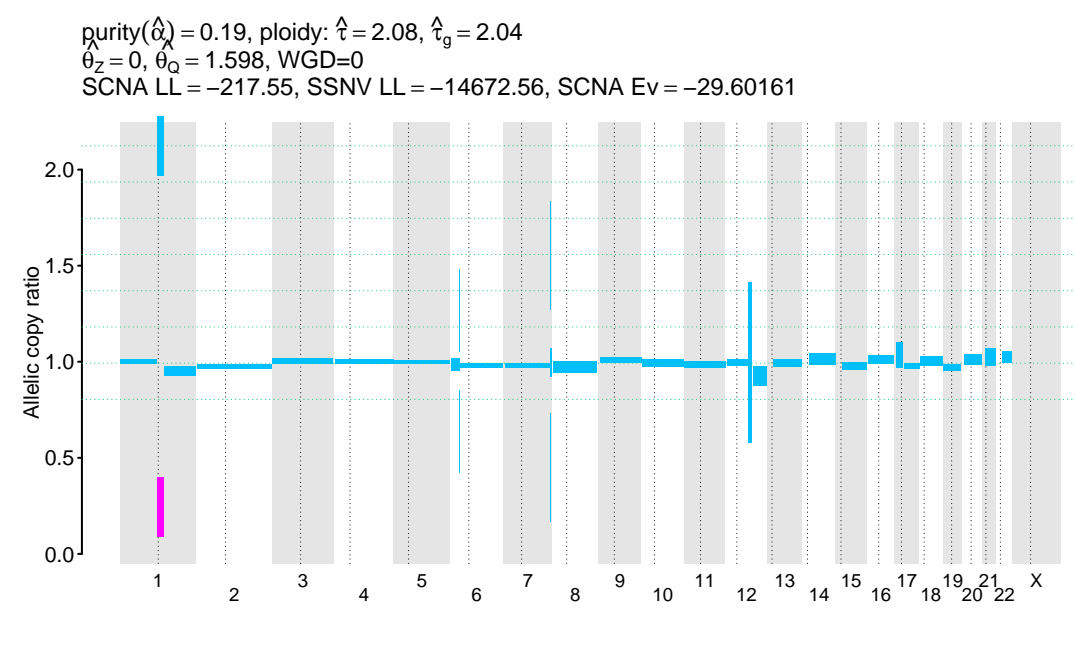
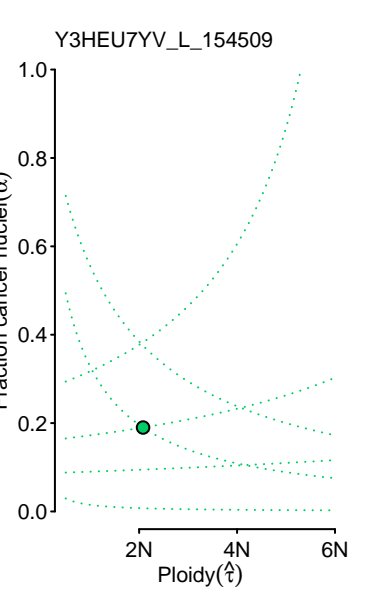


purity($\hat{\alpha}$) = 0.47, ploidy: $\hat{t} = 2.02$, $\hat{t}_g = 2.08$
 $\theta_z = 0$, $\theta_0 = 1.307$, WGD=0
 SCNA LL = -113.63, SSNV LL = -7532.66, SCNA Ev = -39.32484

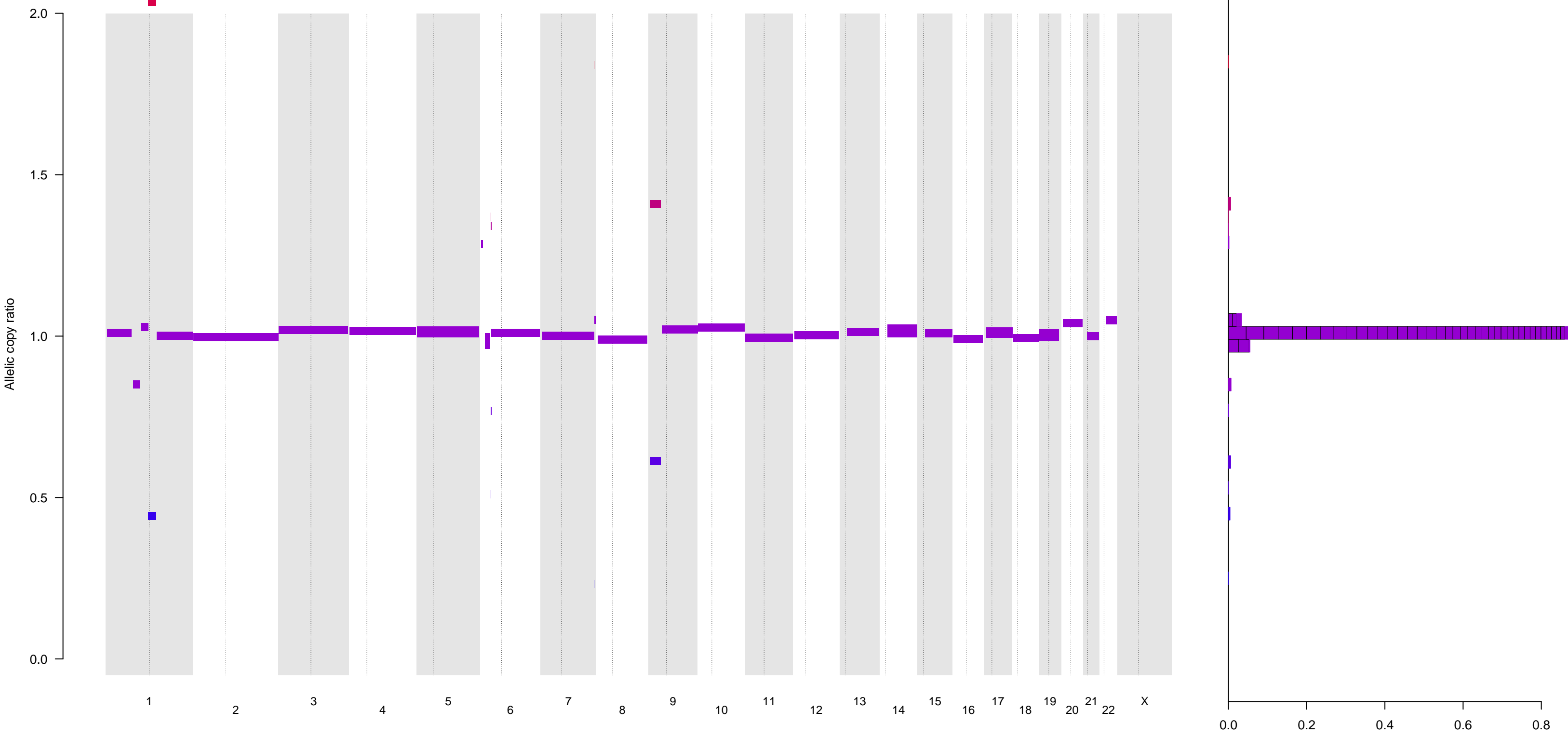


Sample 103

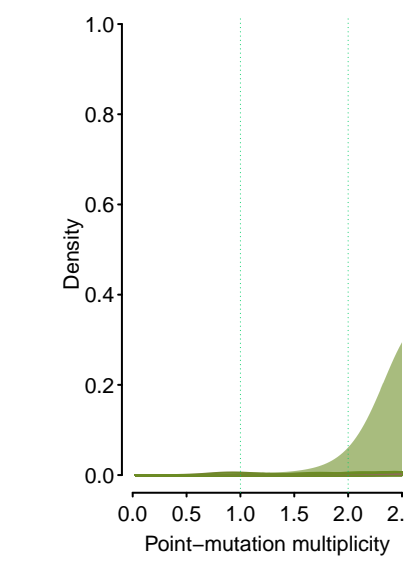
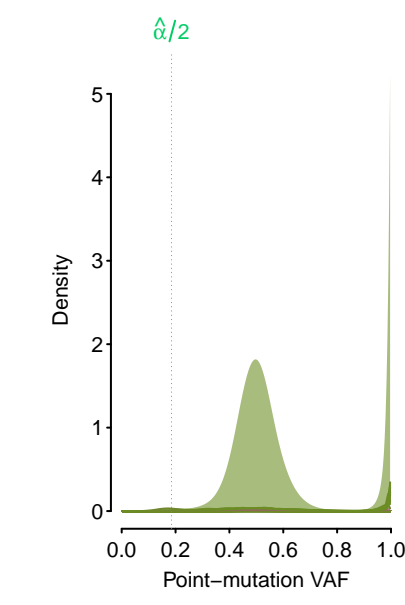
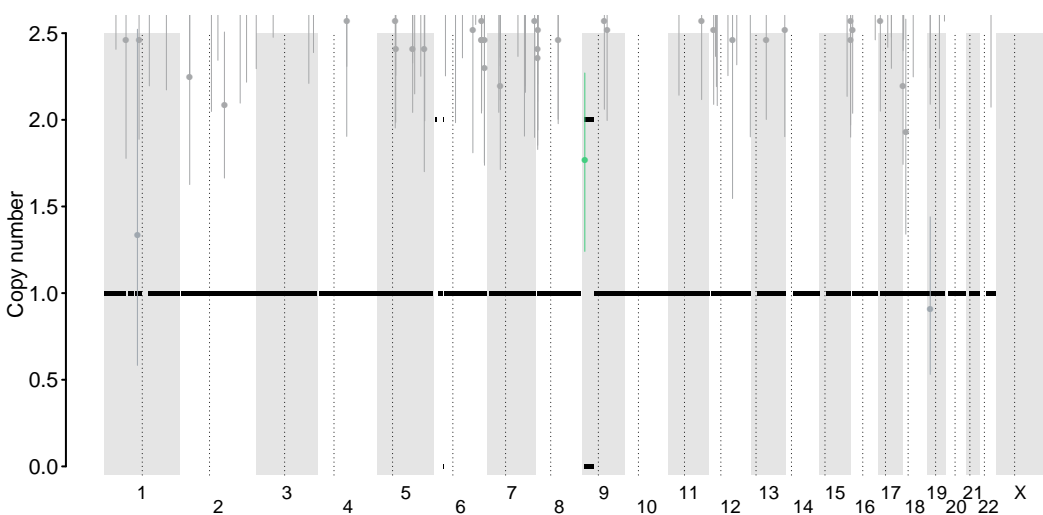
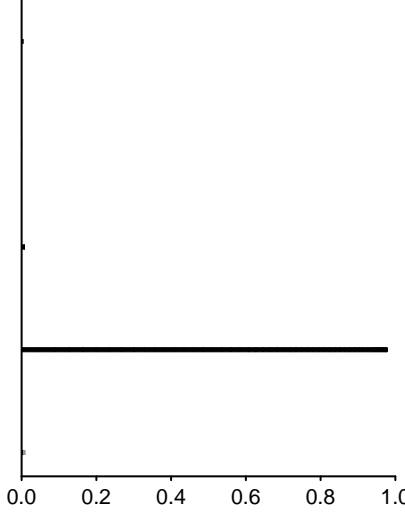
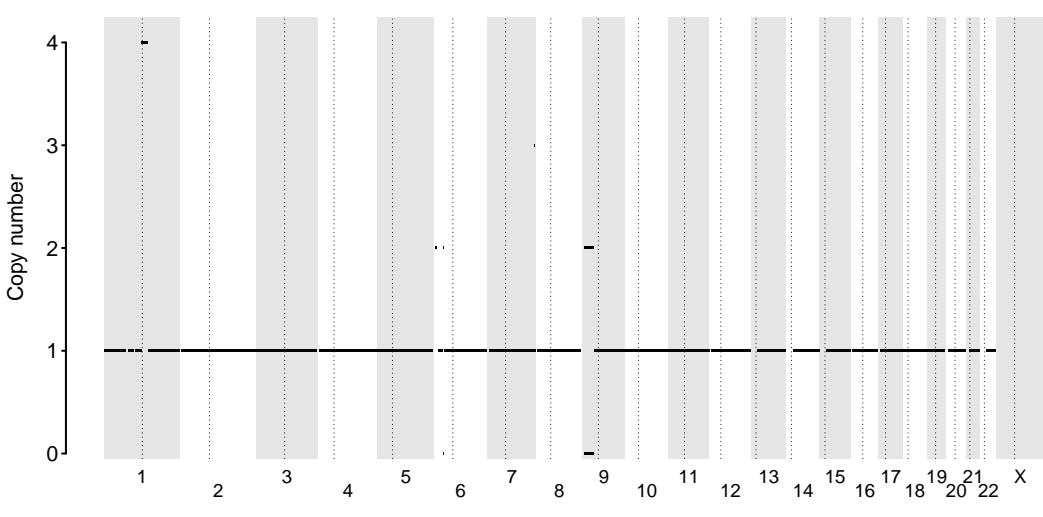
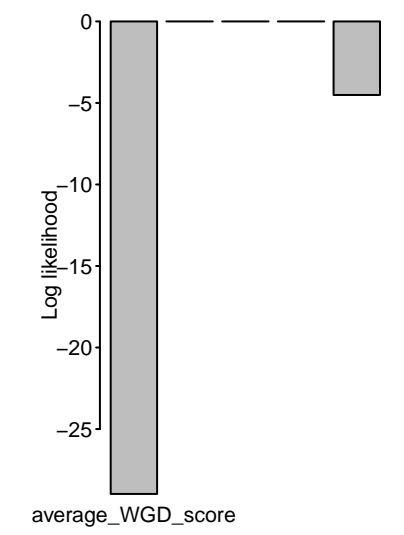
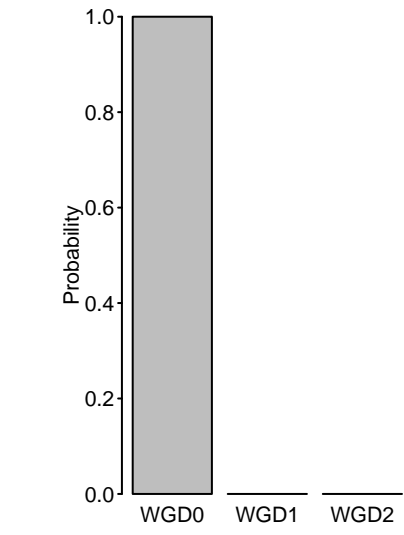
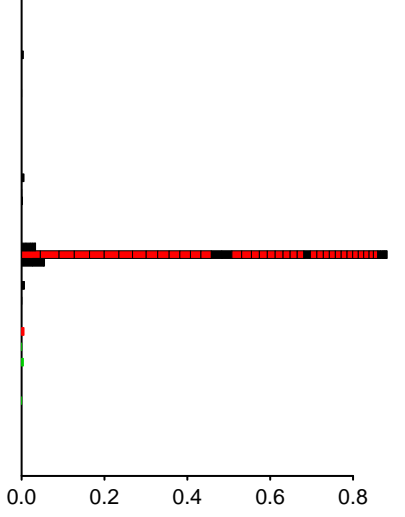
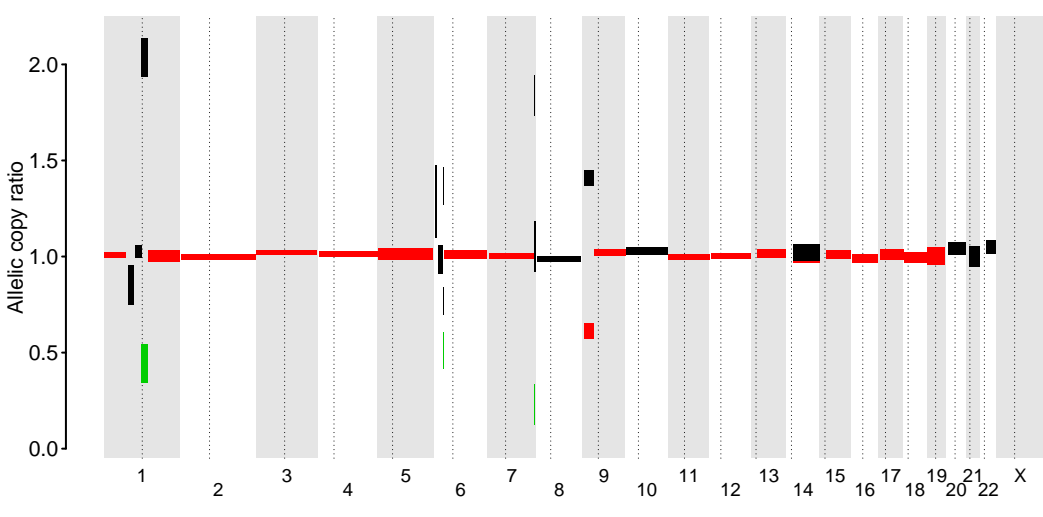
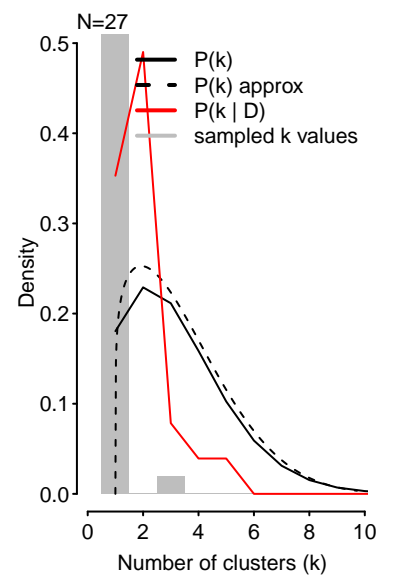
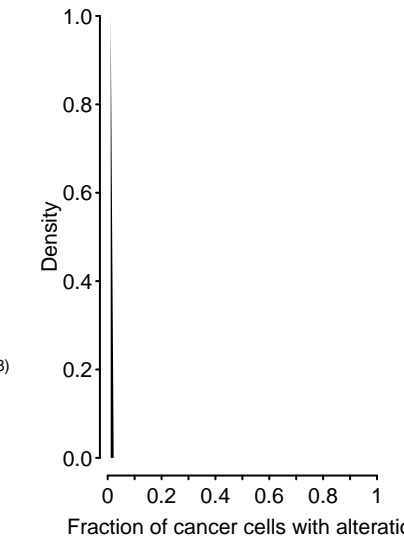
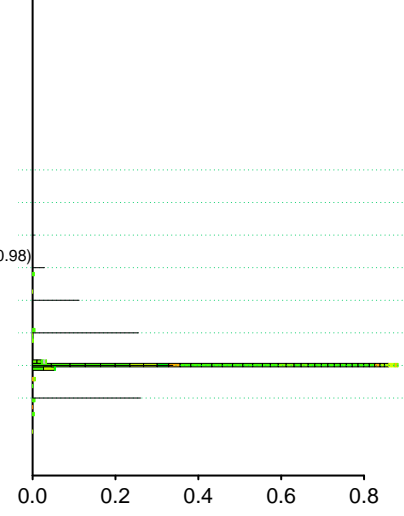
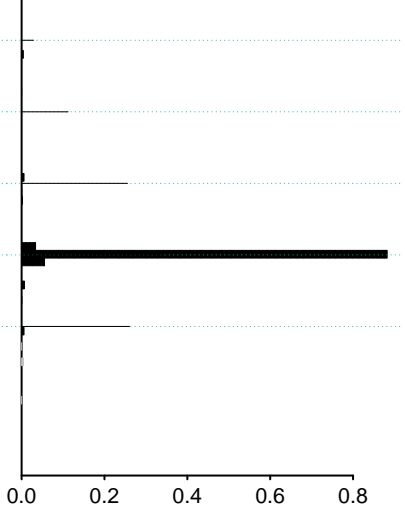
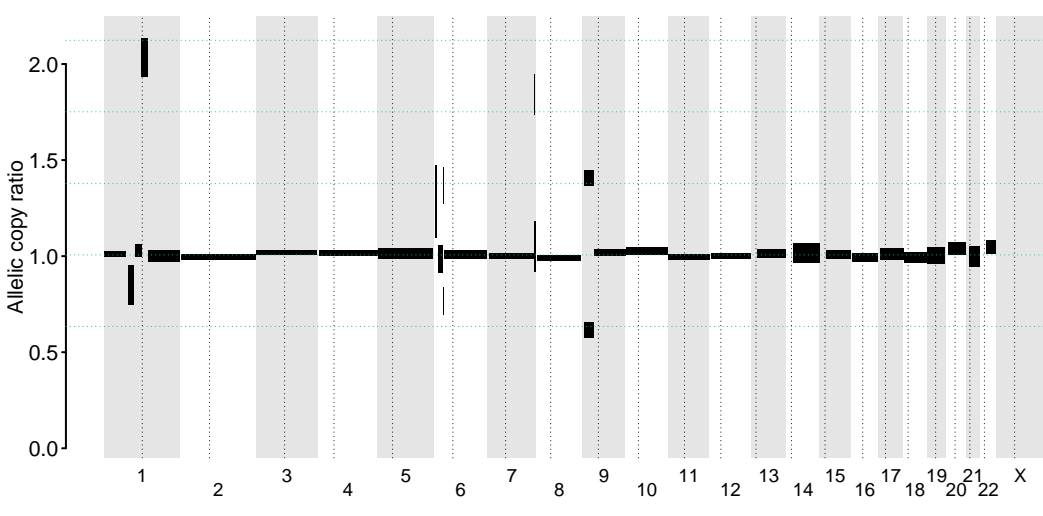
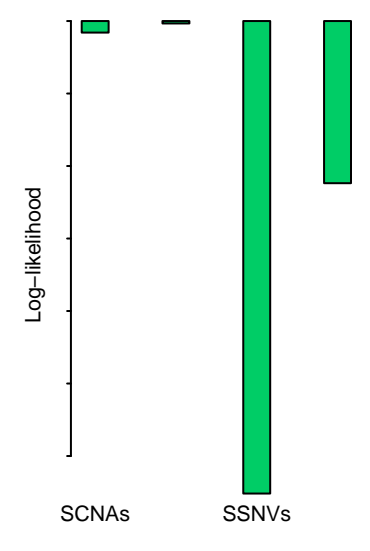
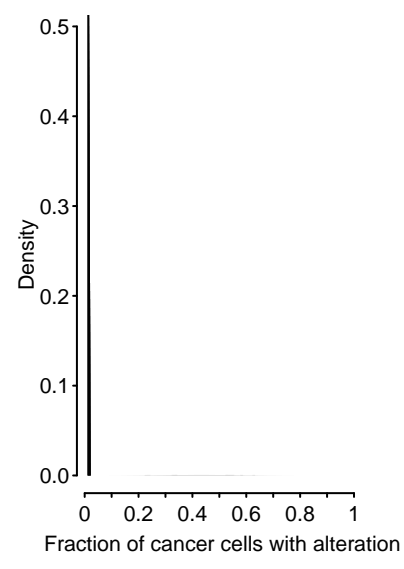
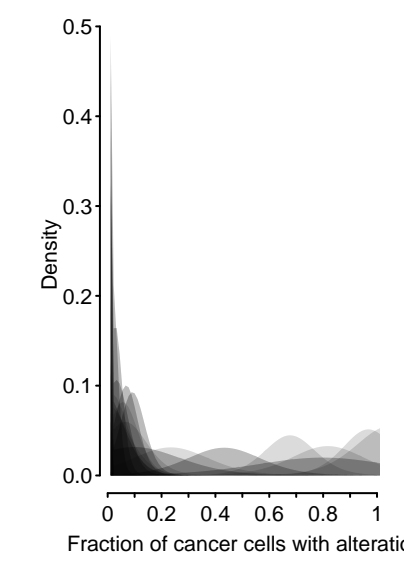
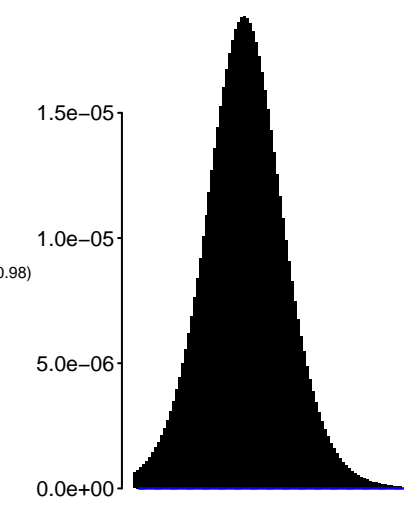
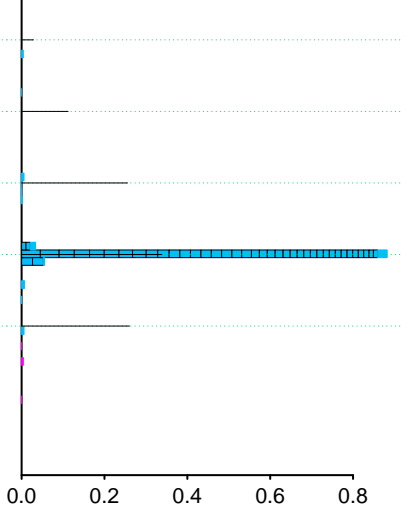
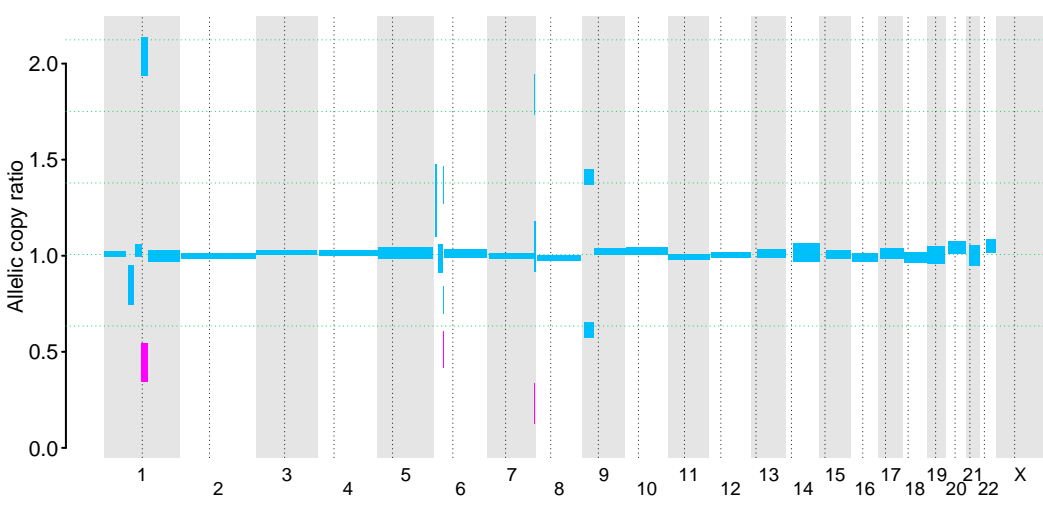
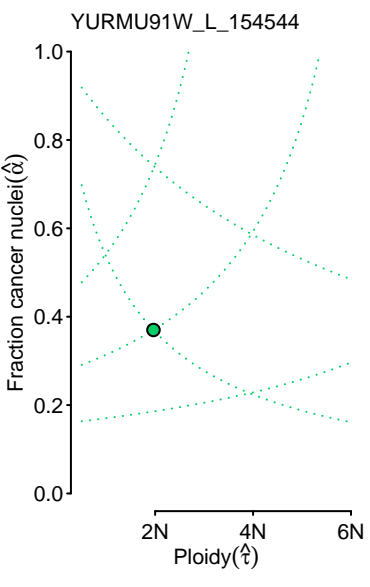




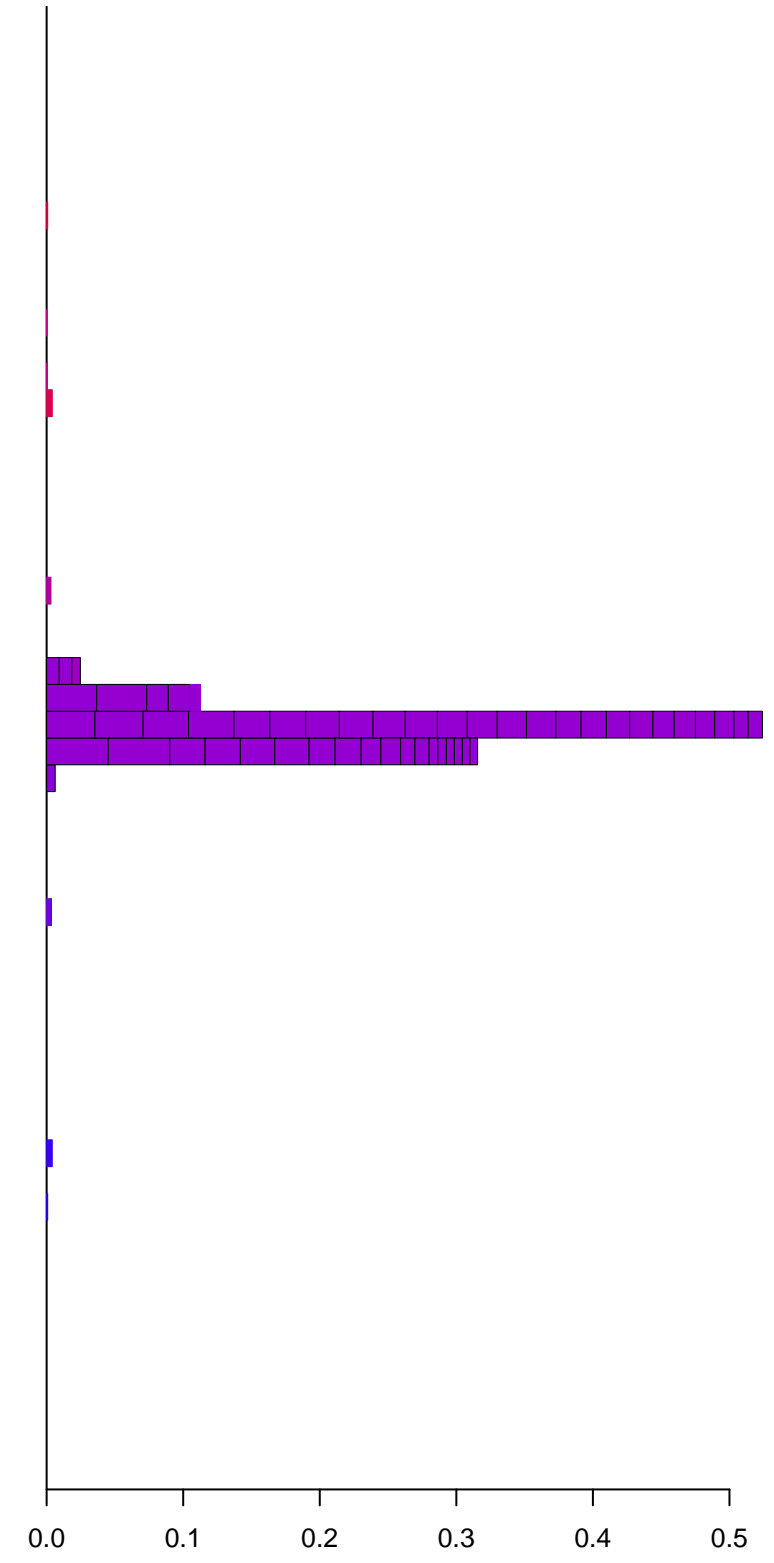
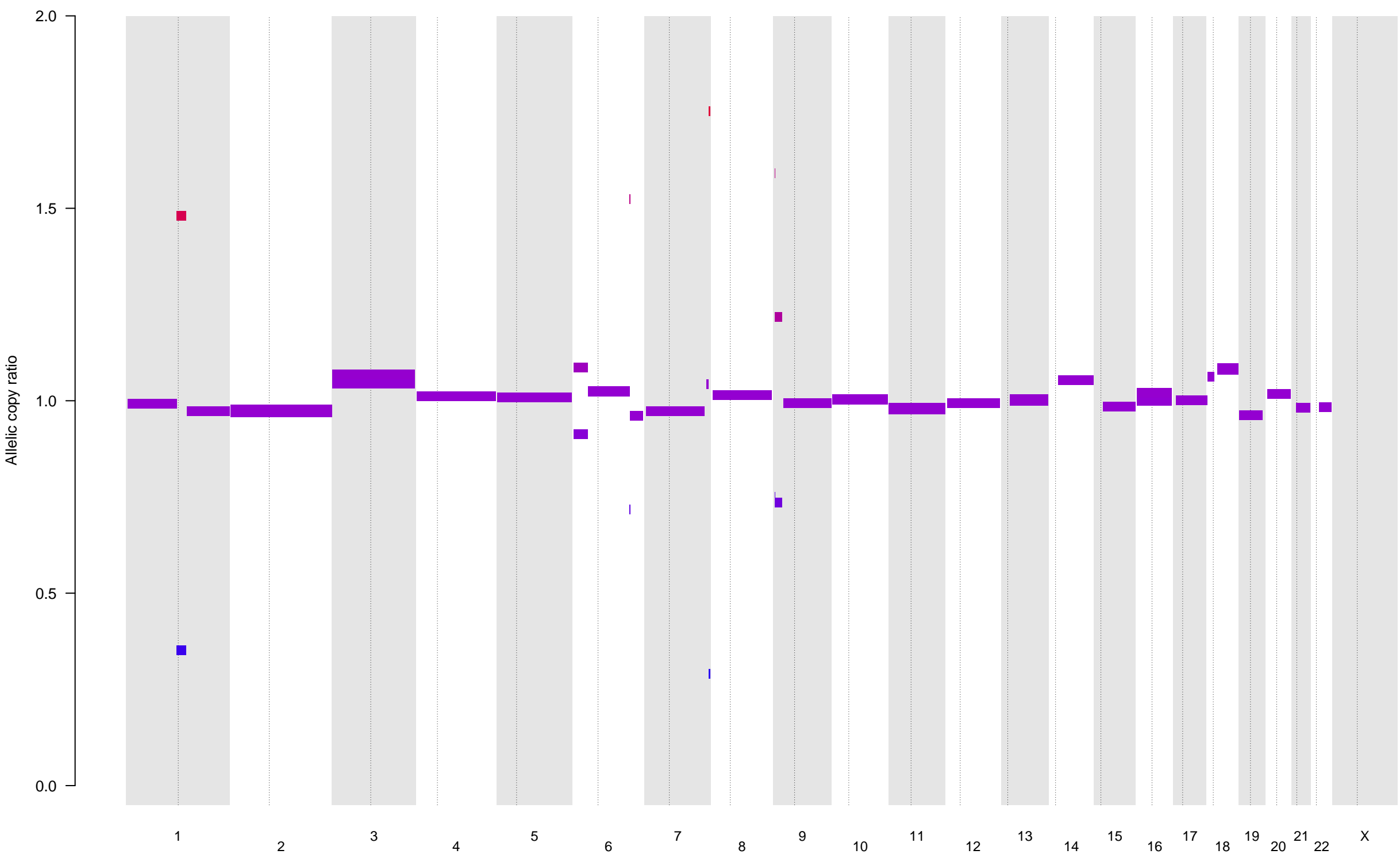
Sample 104

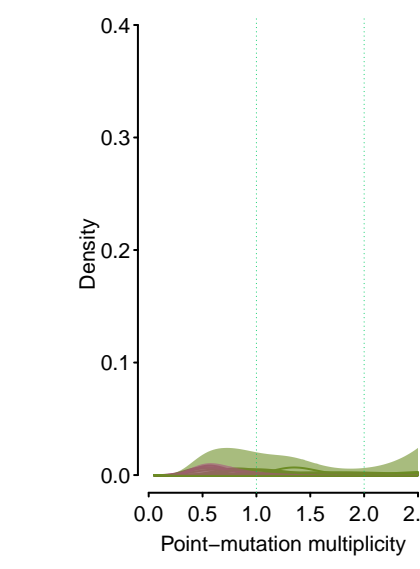
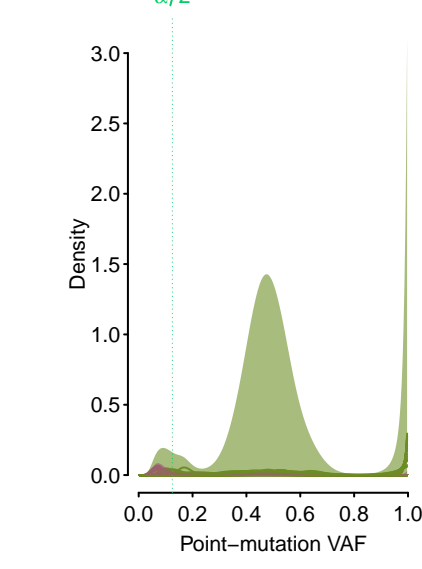
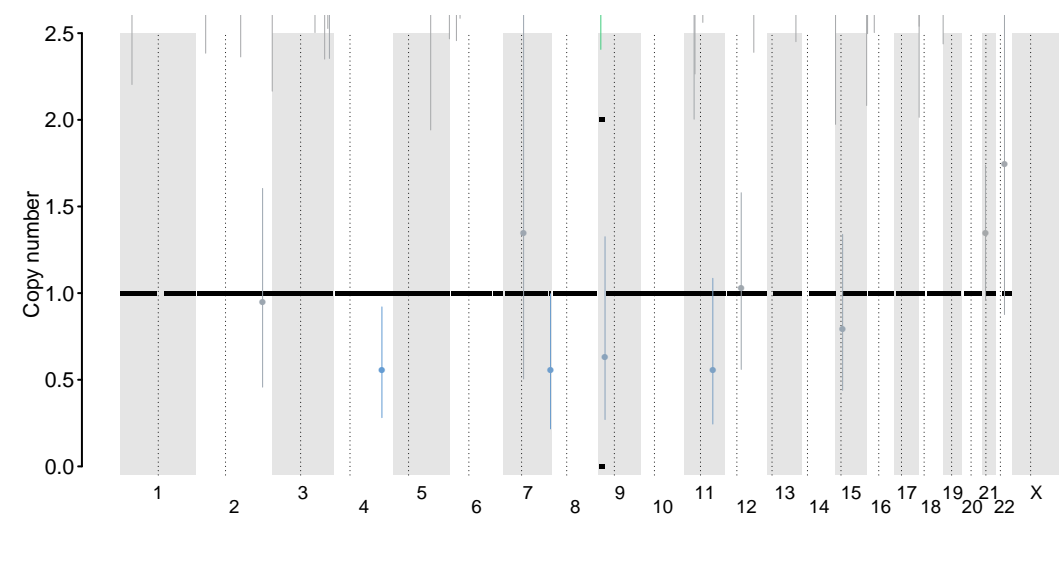
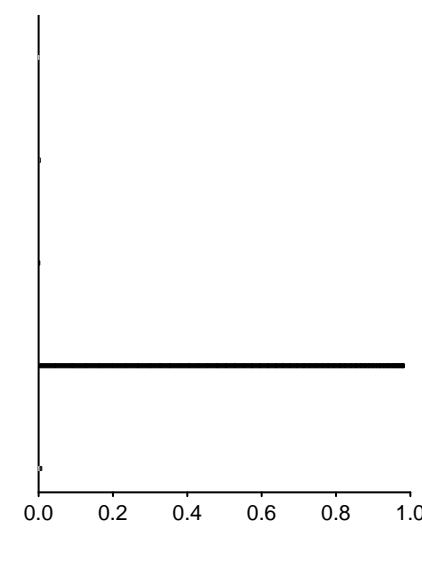
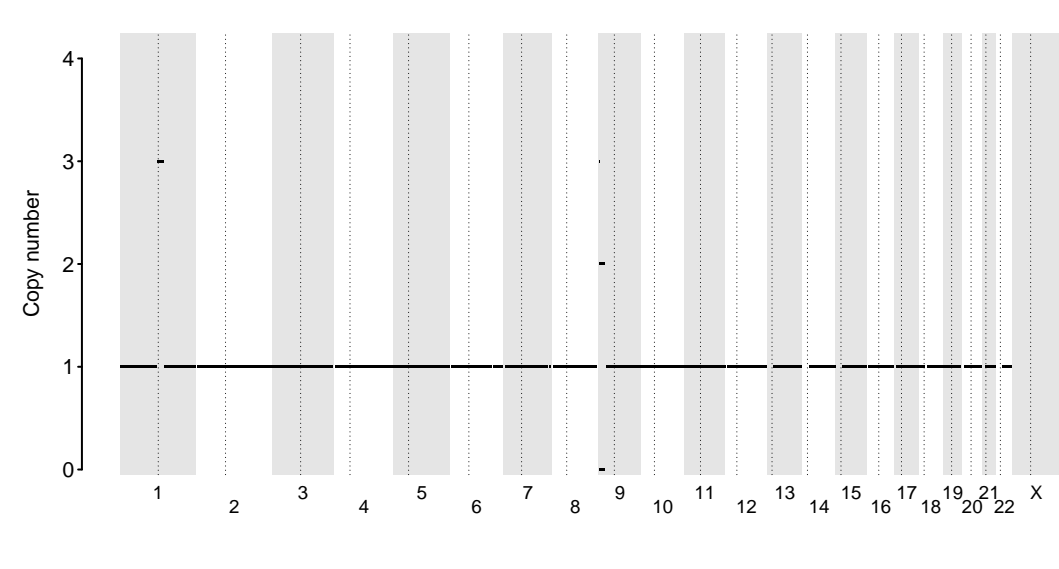
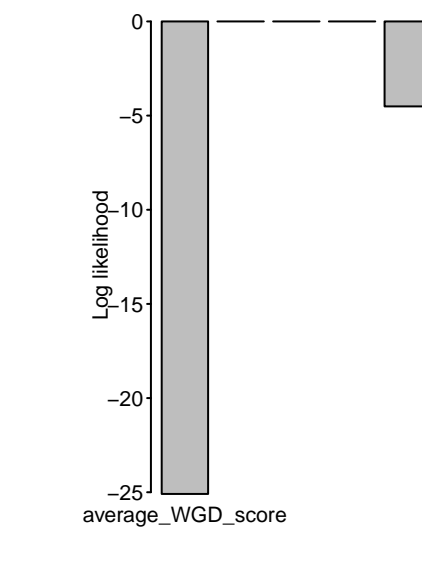
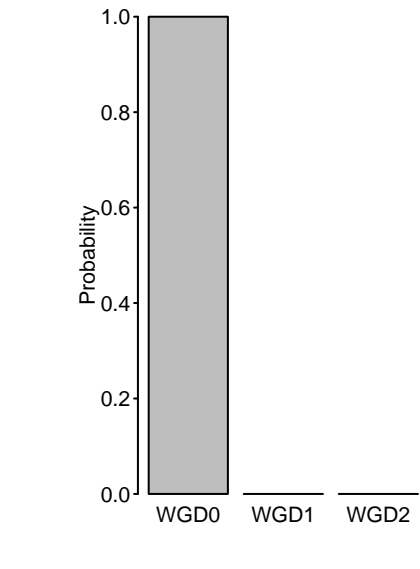
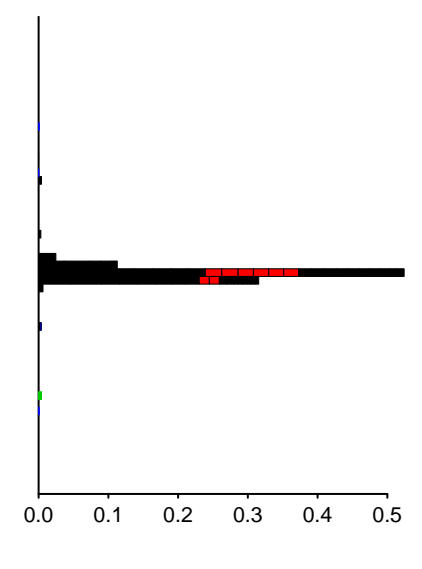
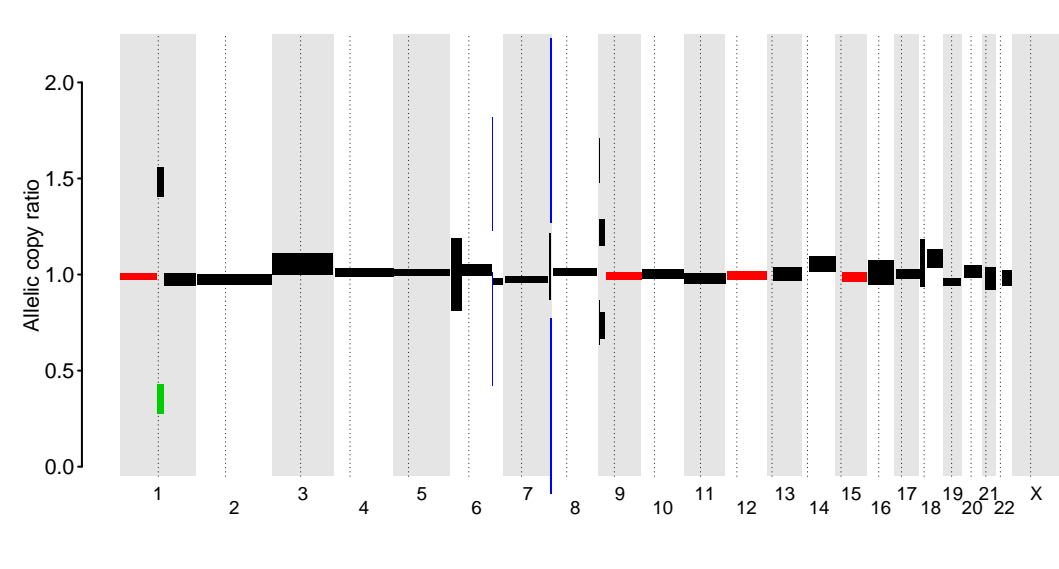
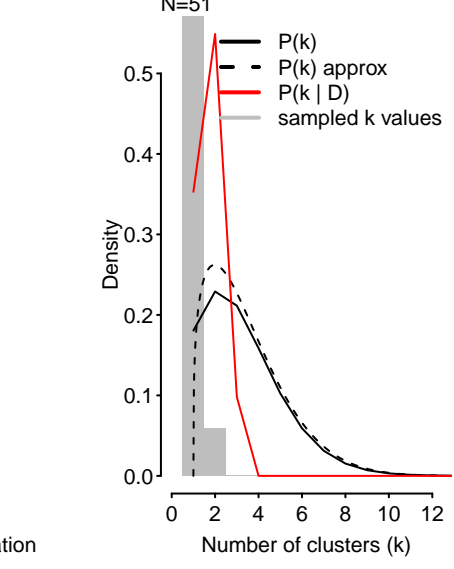
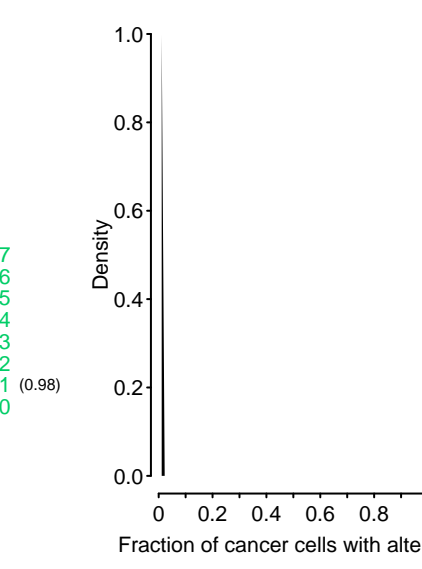
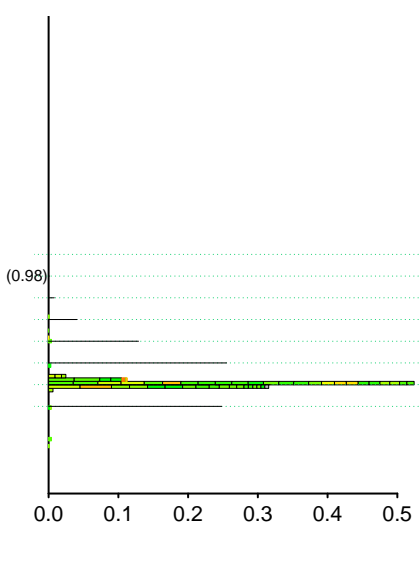
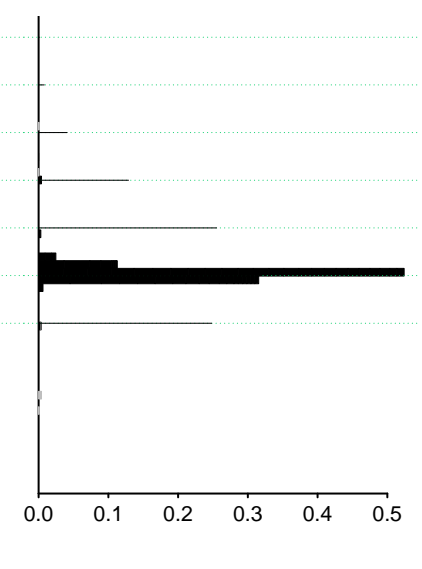
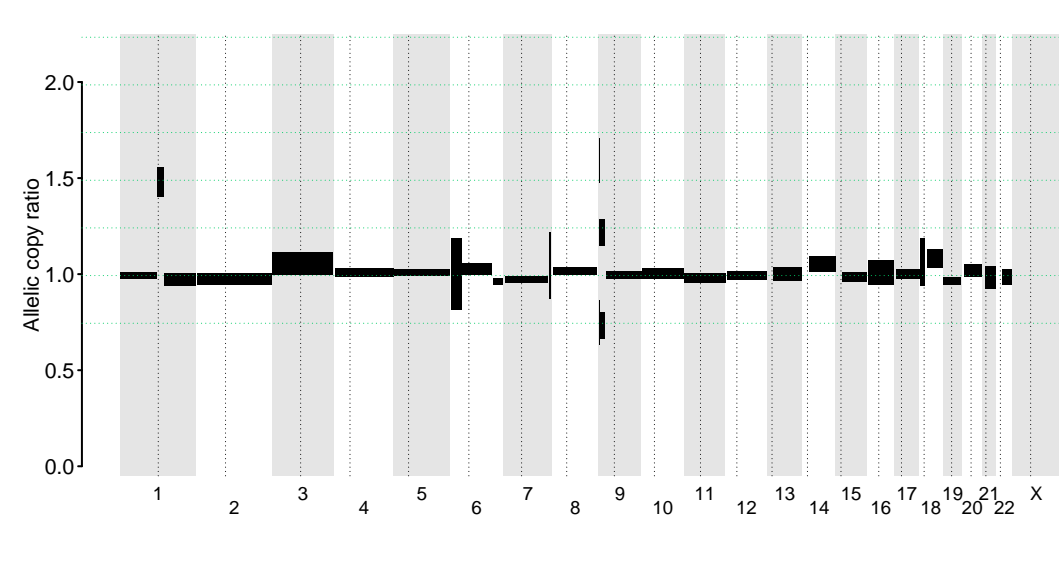
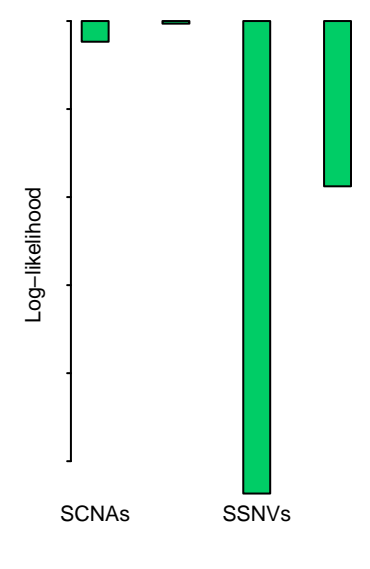
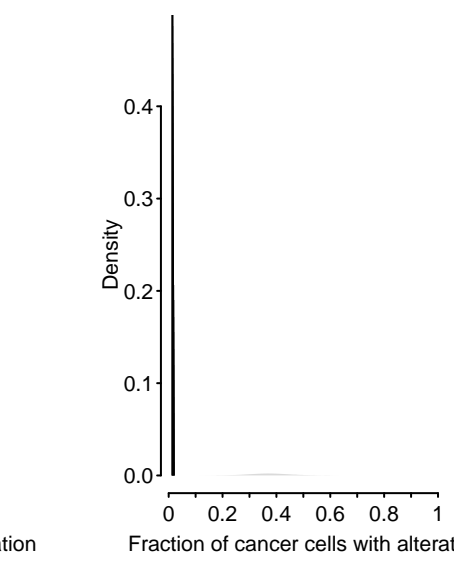
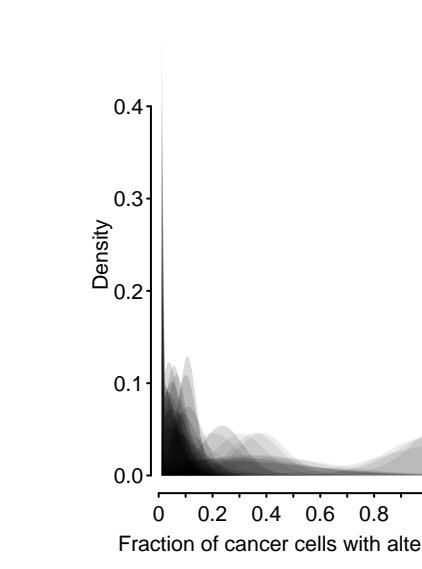
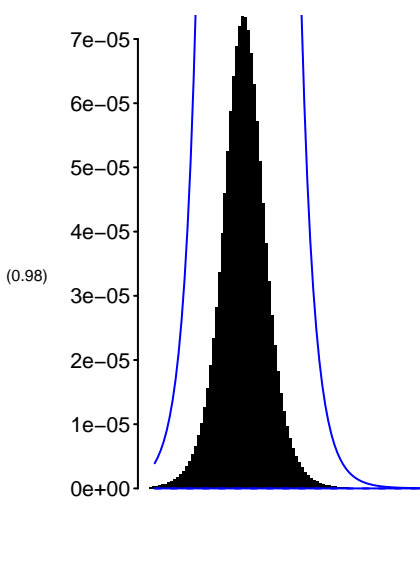
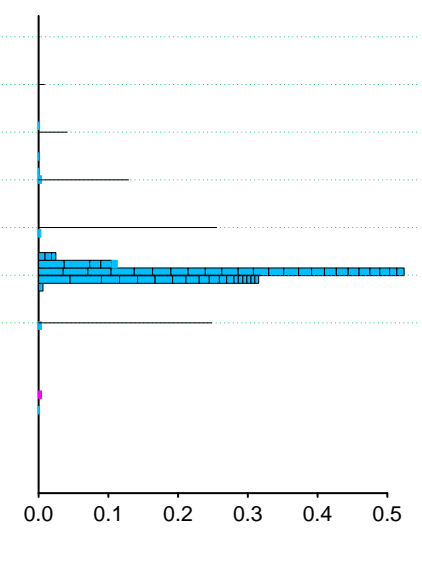
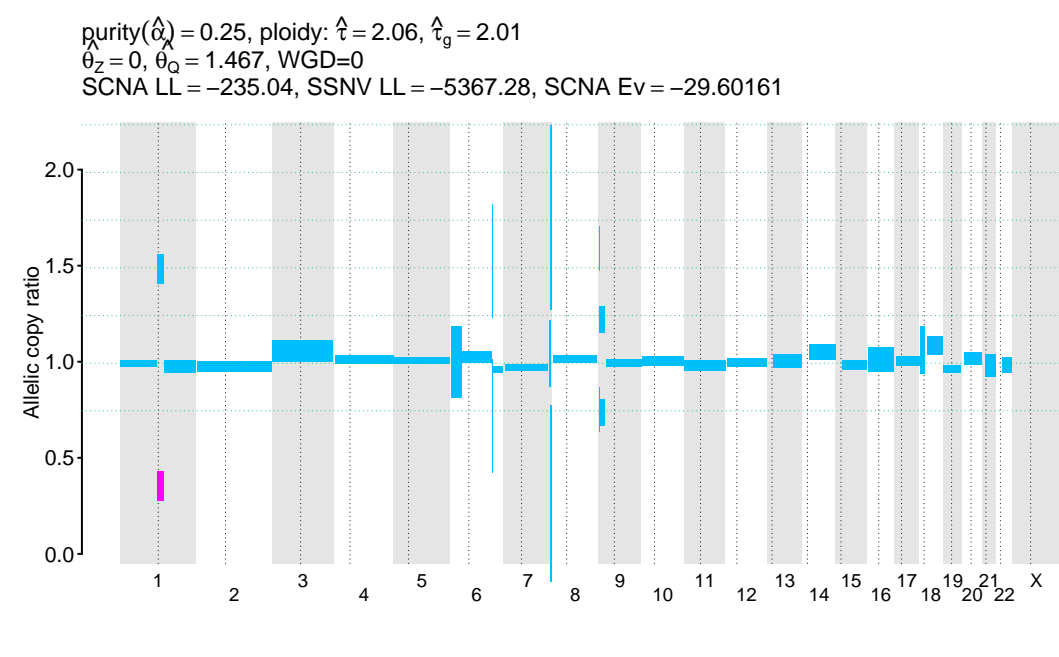
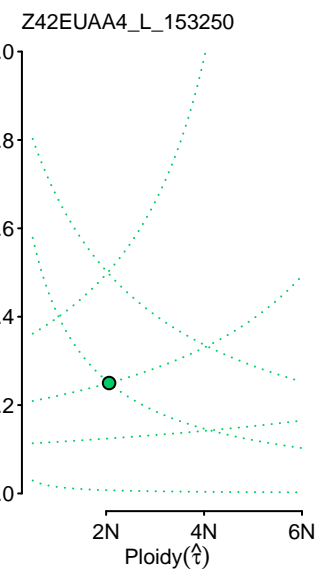


purity($\hat{\alpha}$) = 0.37, ploidy: $\hat{t} = 1.97$, $\hat{t}_g = 2.02$
 $\theta_z = 0$, $\theta_0 = 1.358$, WGD=0
 SCNA LL = -159.18, SSNV LL = -6517.59, SCNA Ev = -33.49066

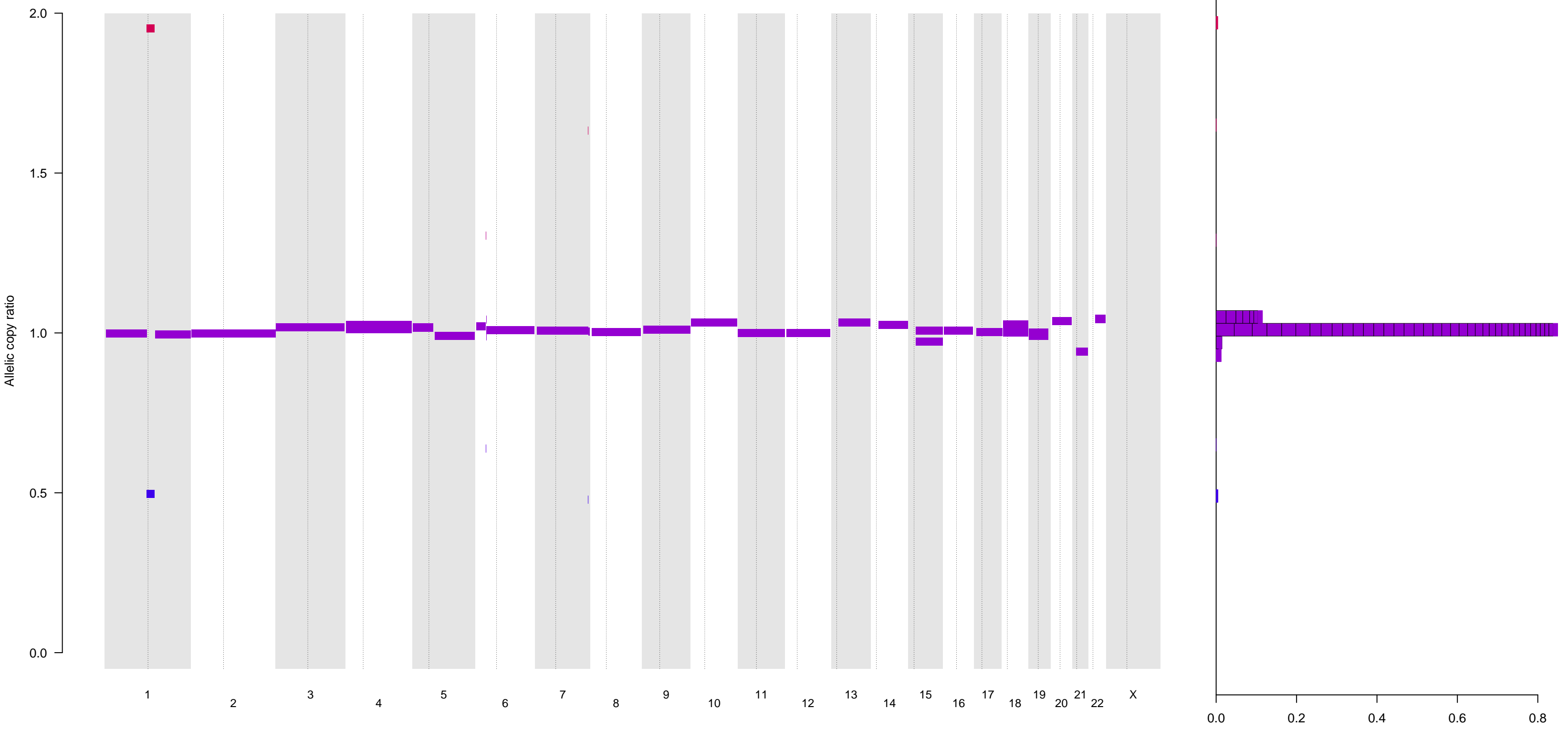


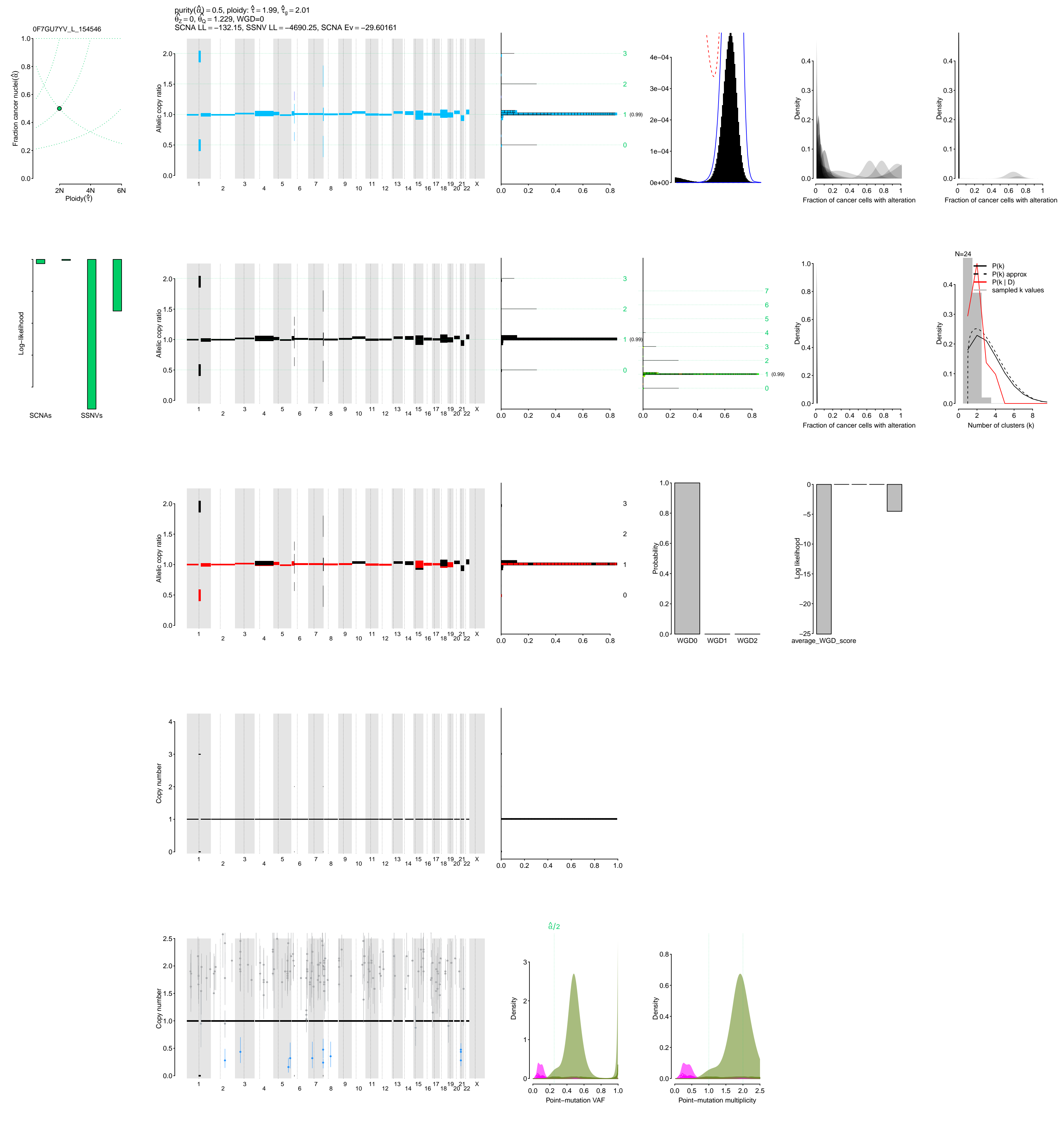
Sample 105



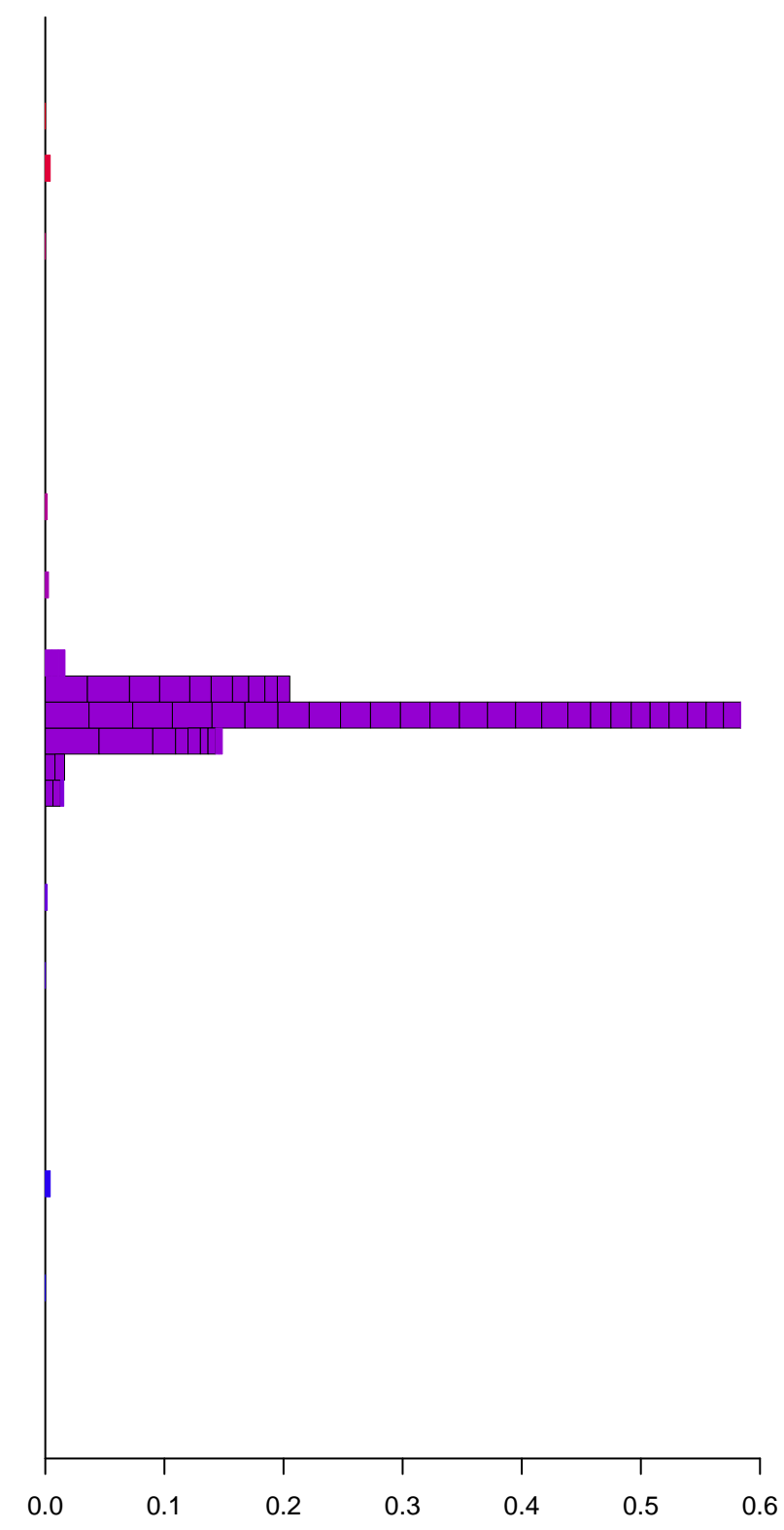
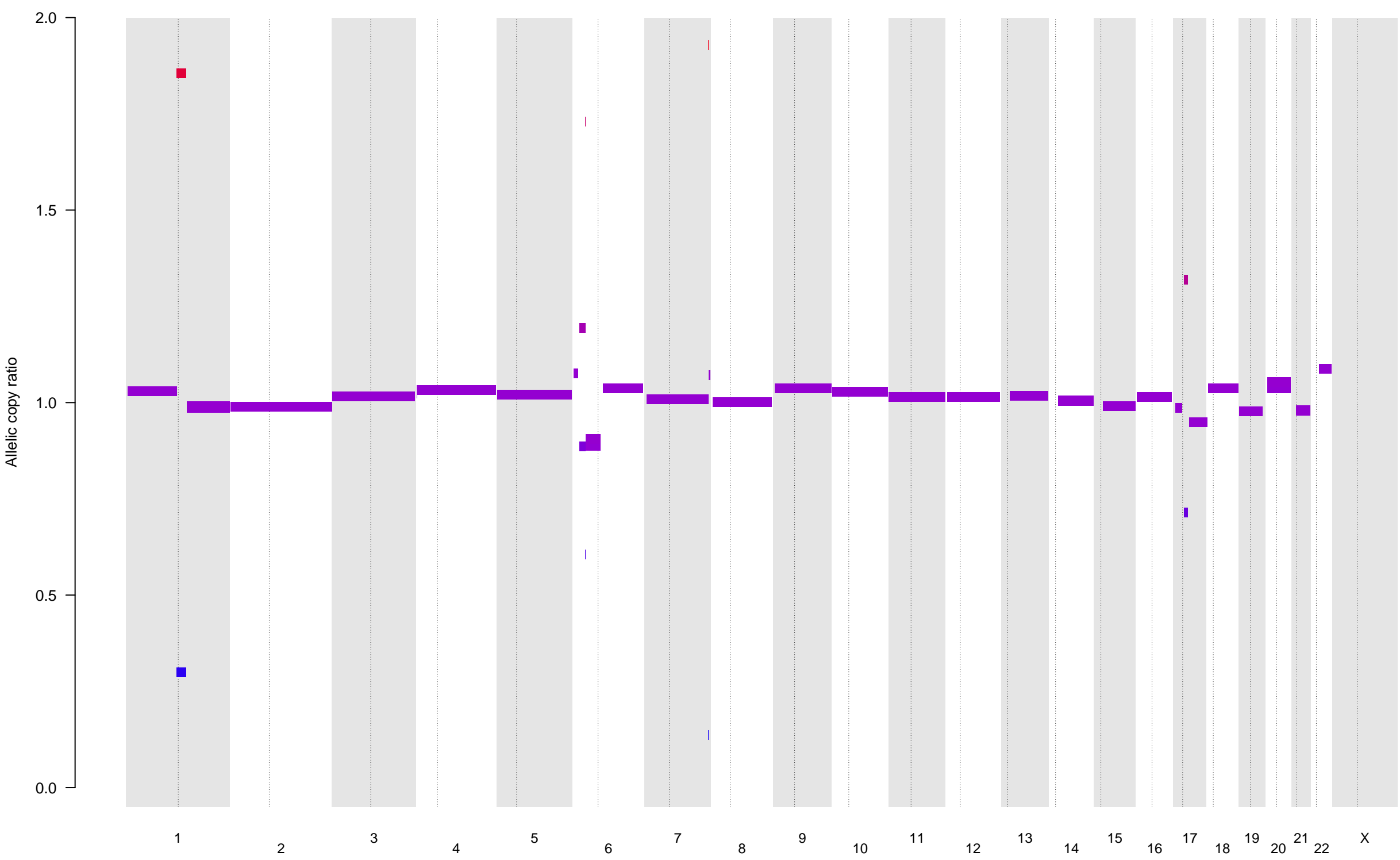


Sample 2

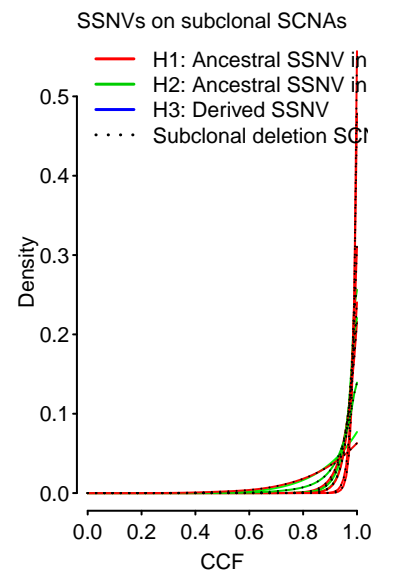
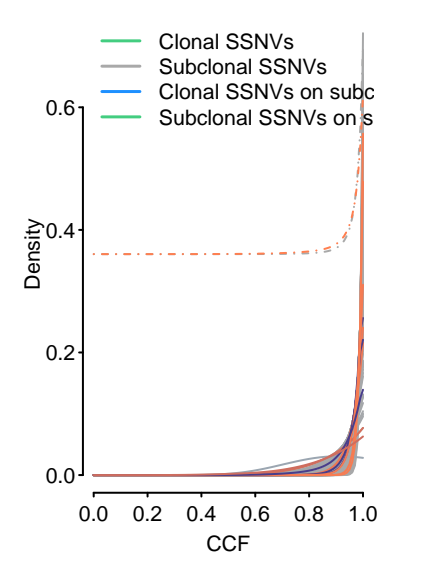
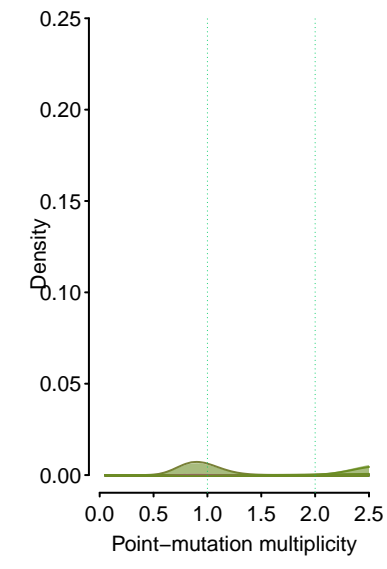
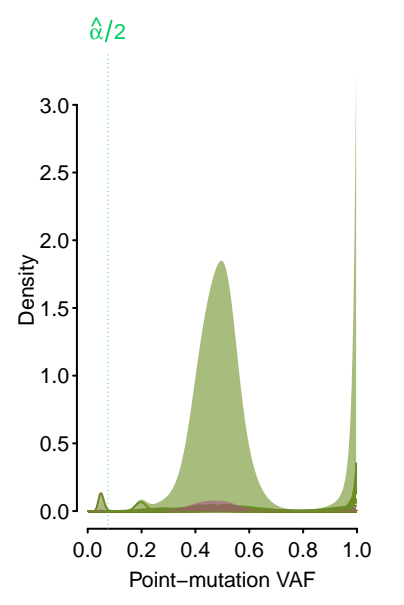
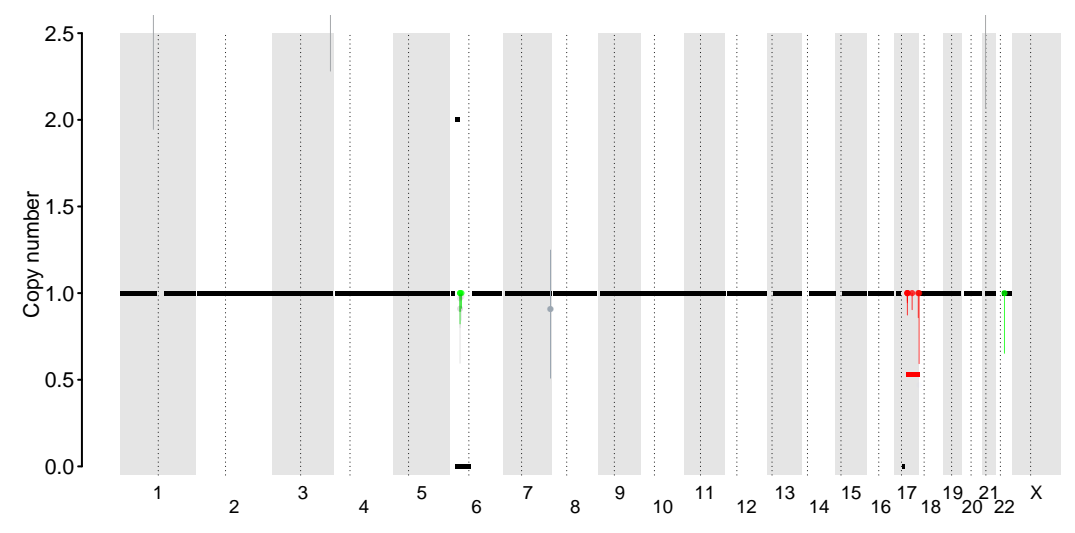
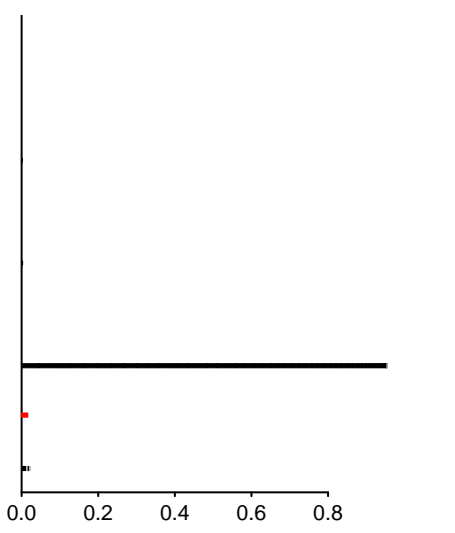
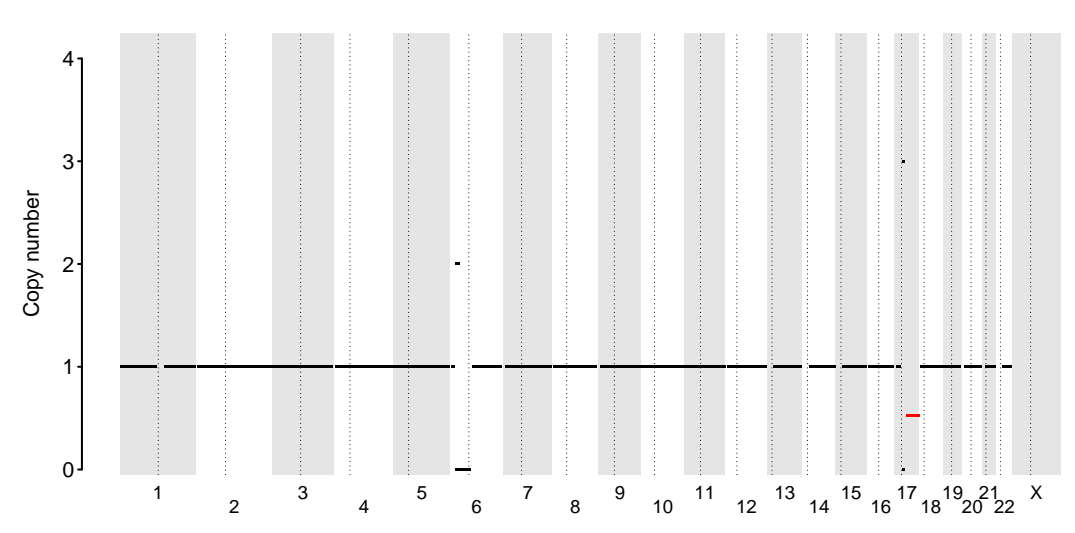
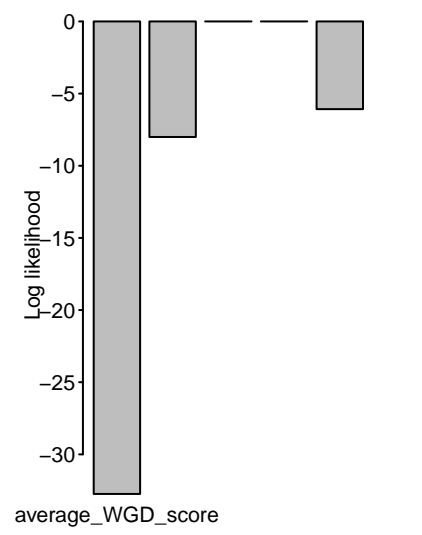
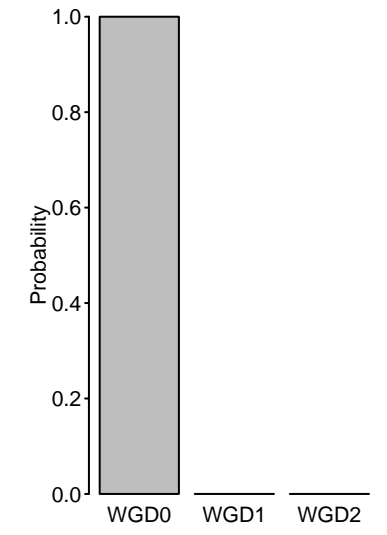
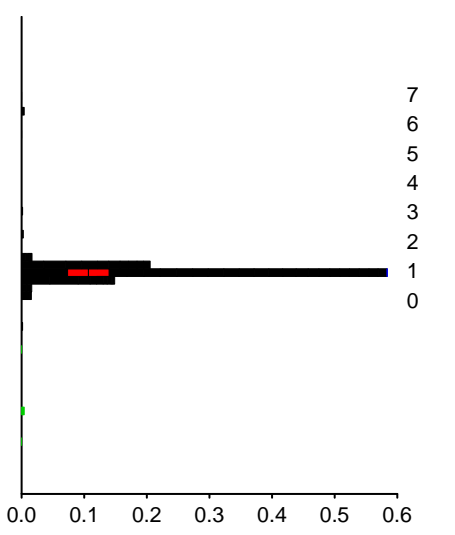
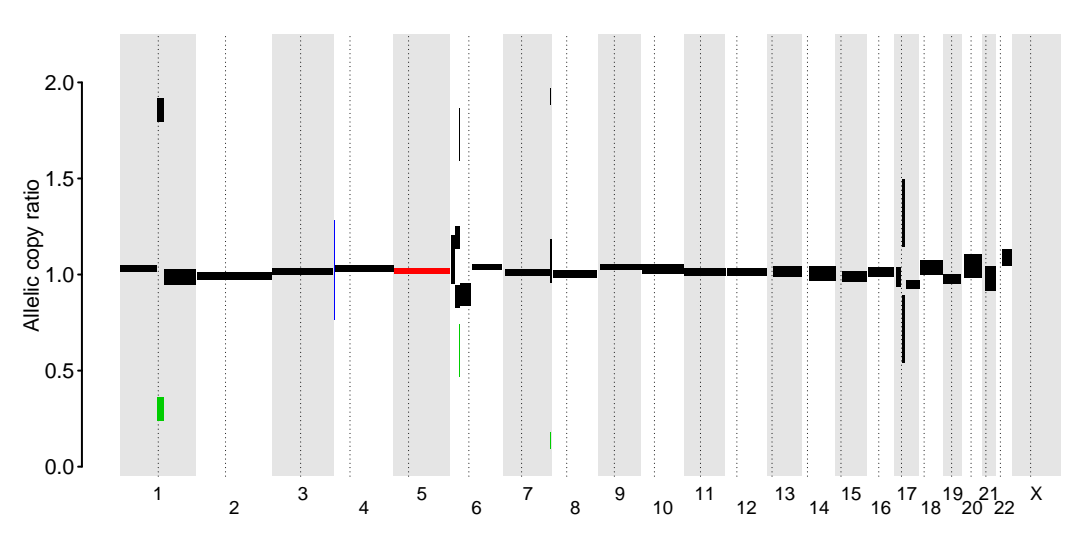
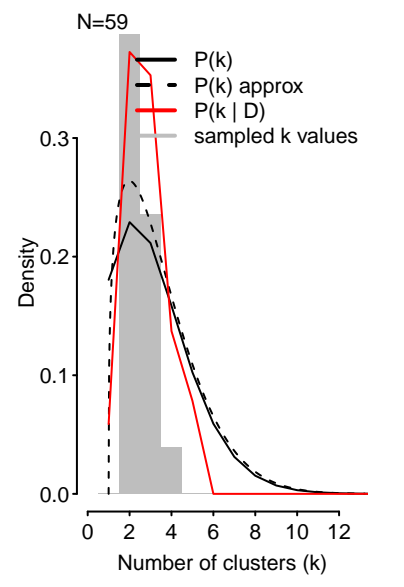
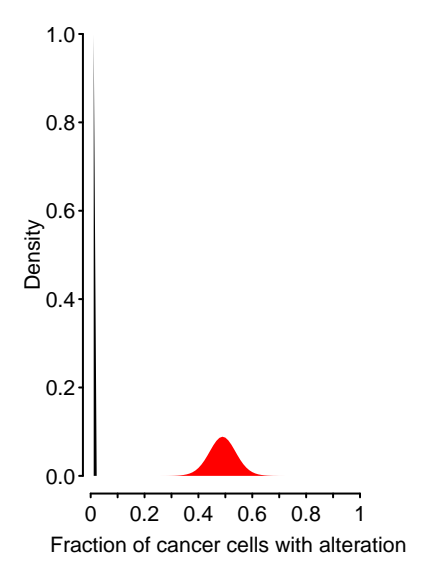
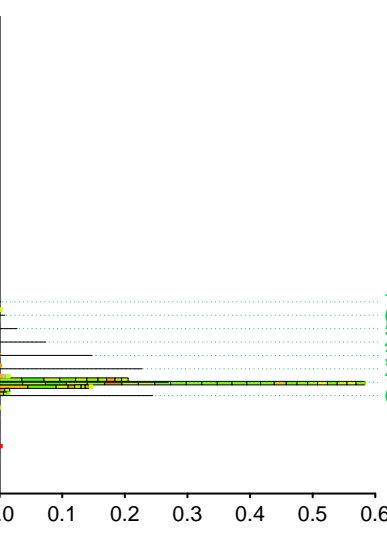
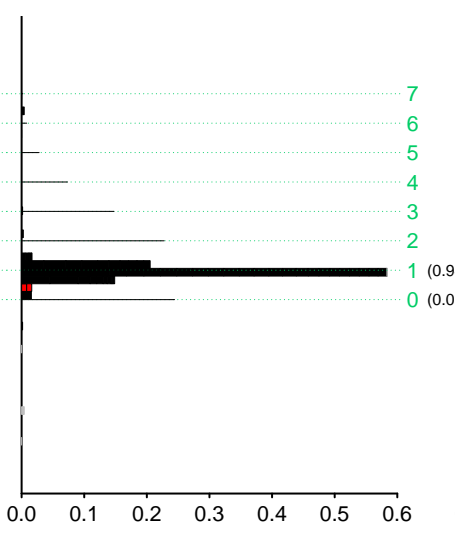
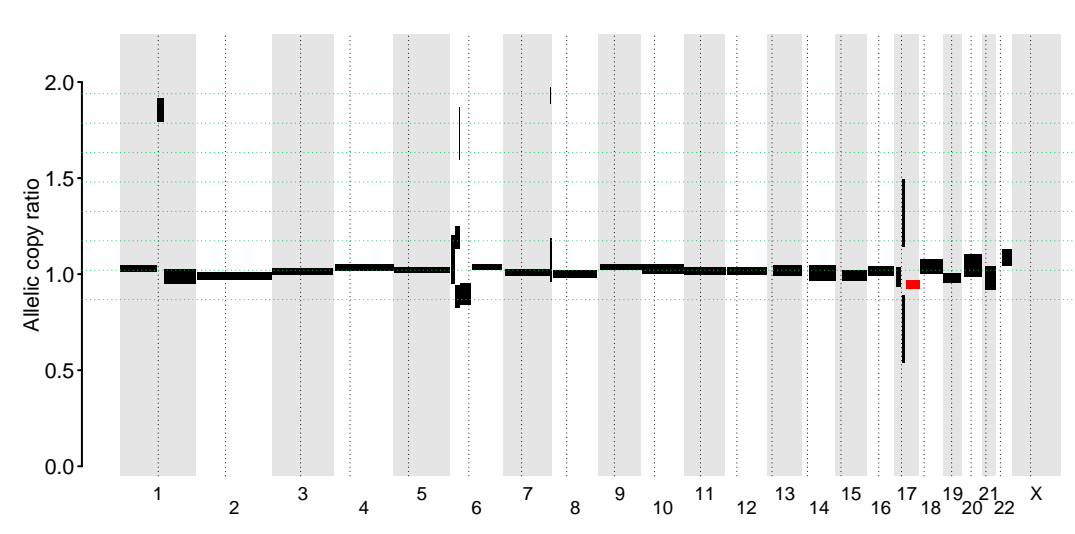
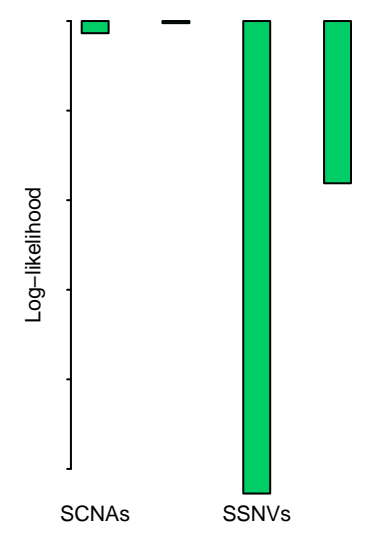
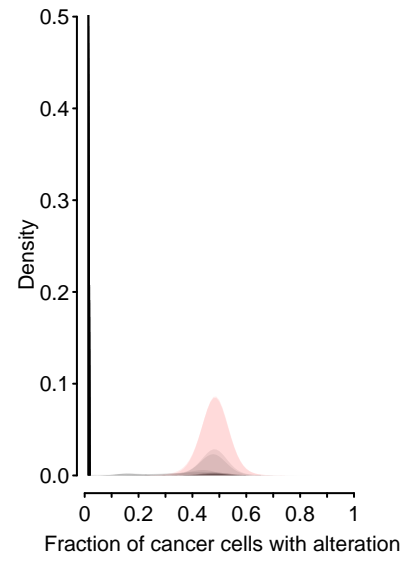
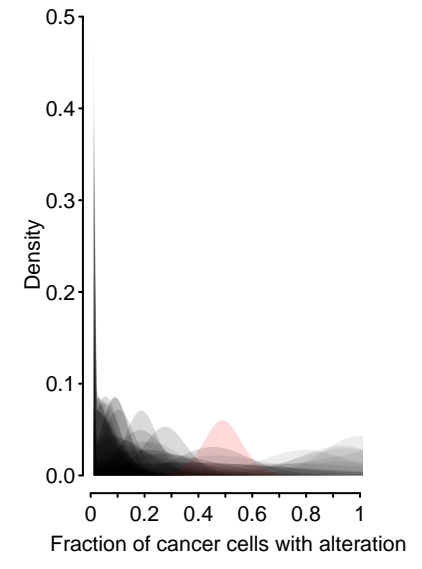
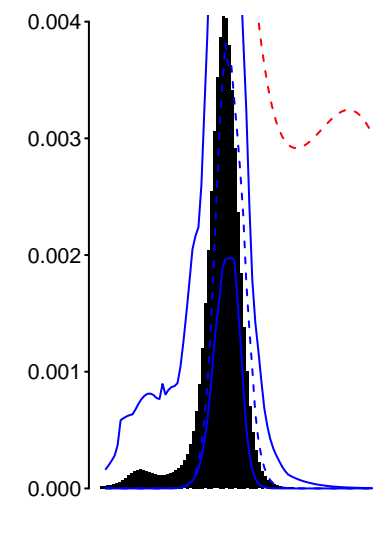
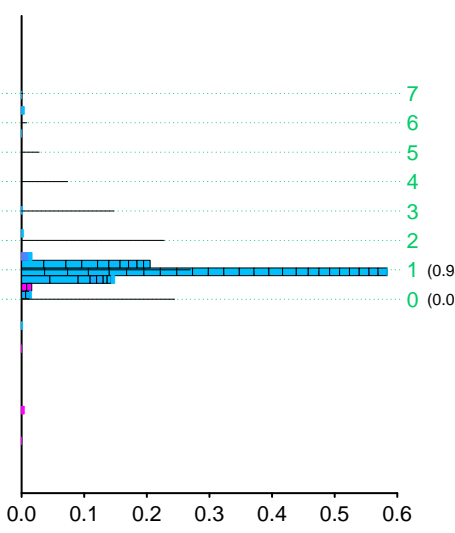
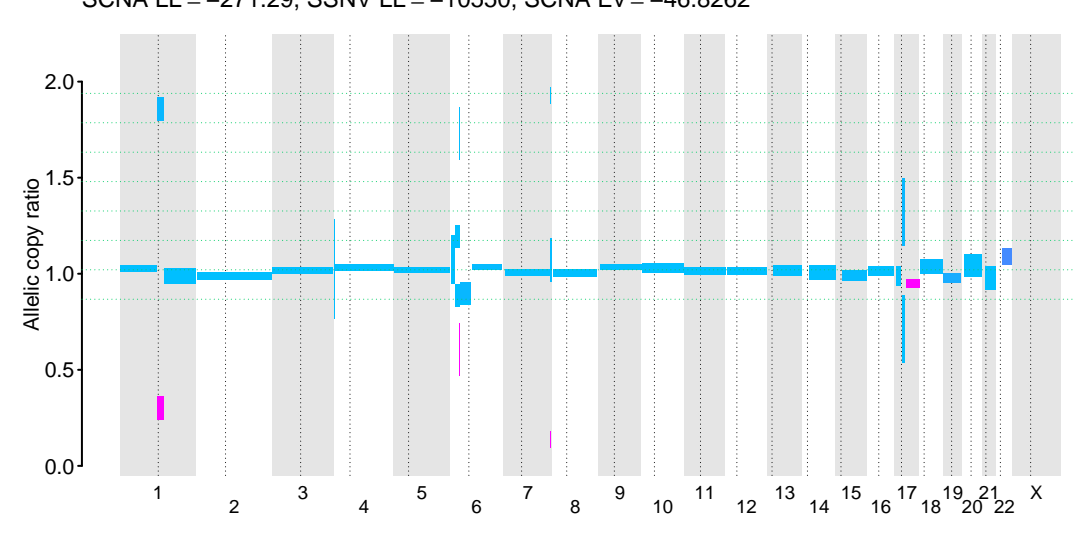
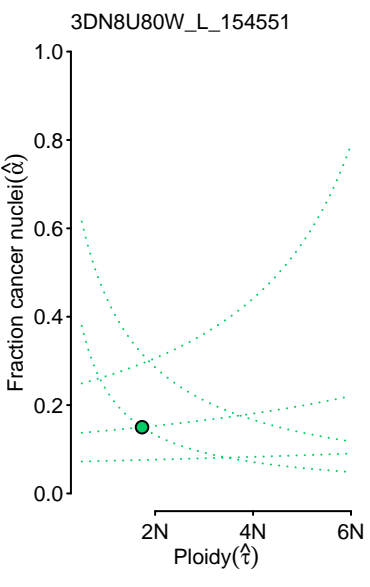




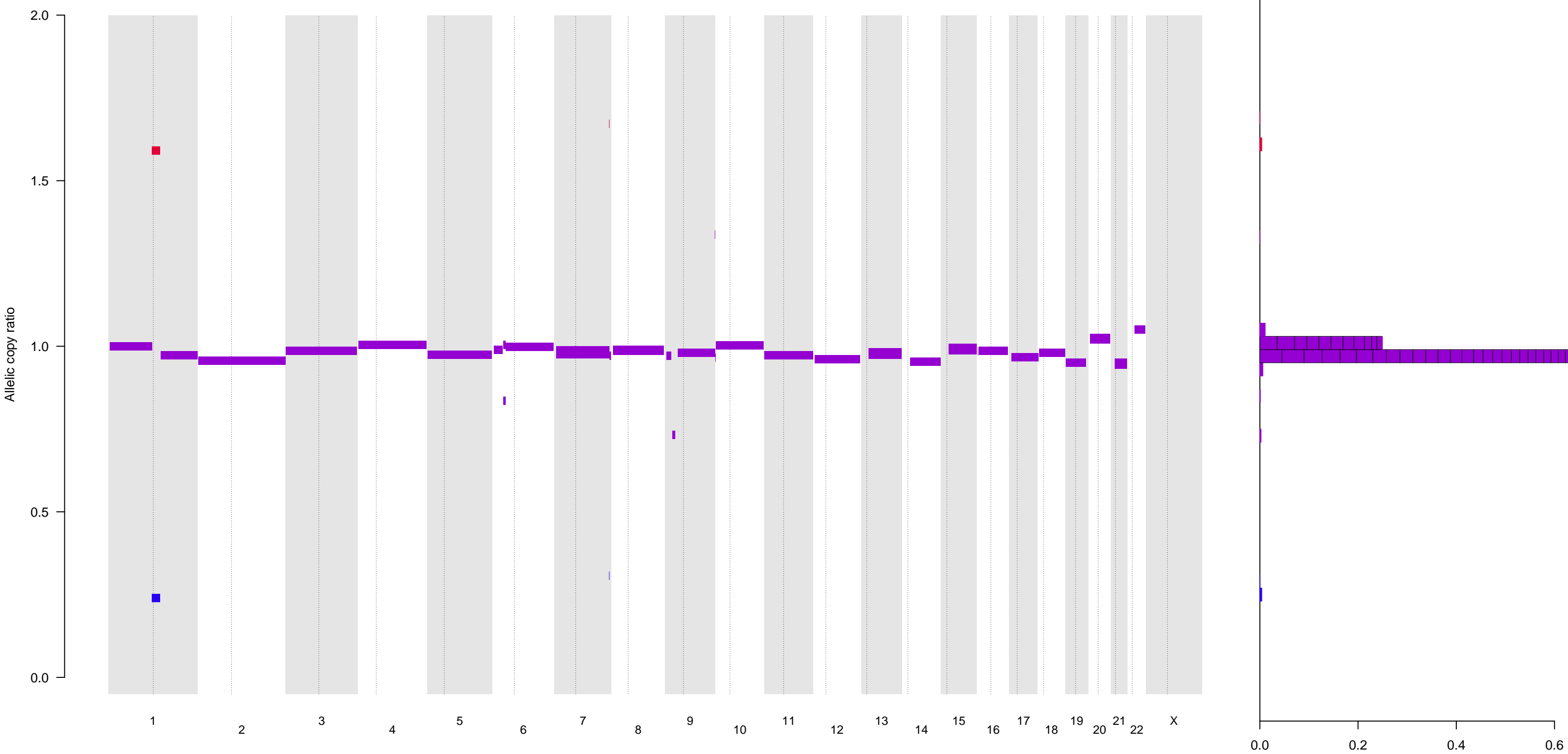
Sample 3



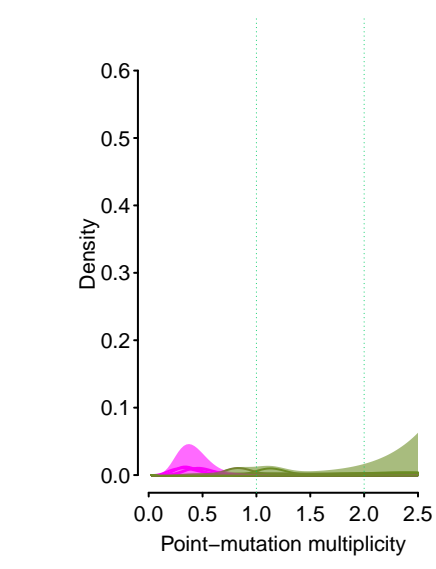
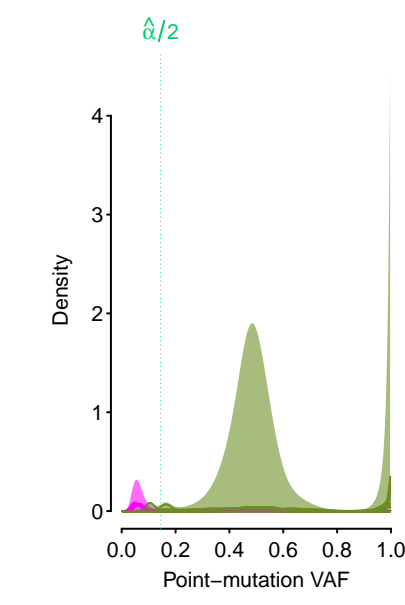
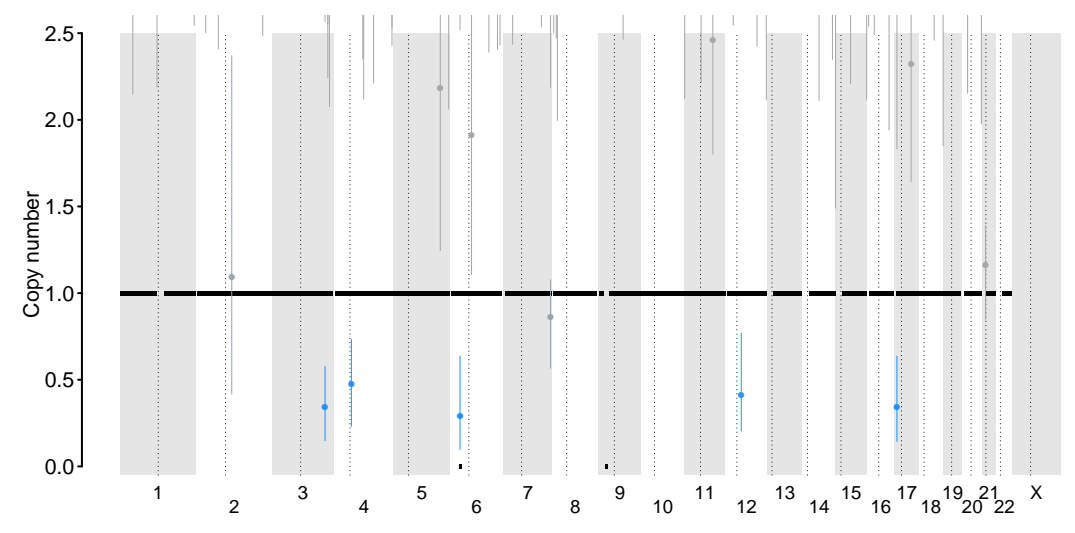
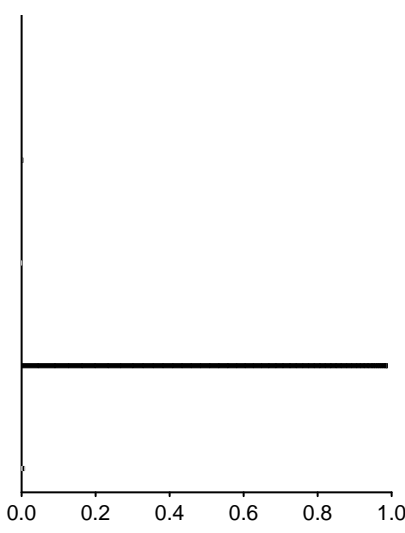
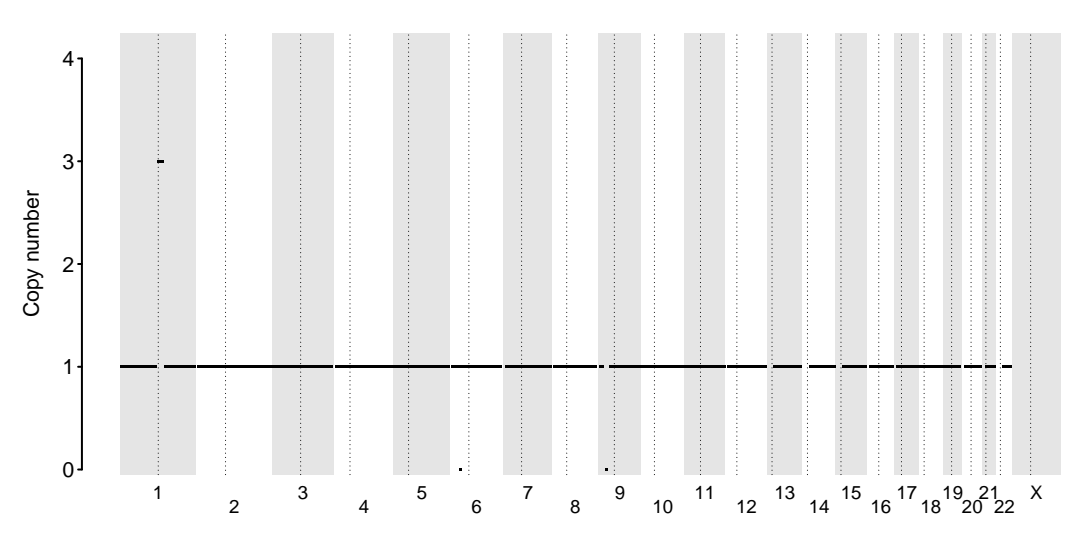
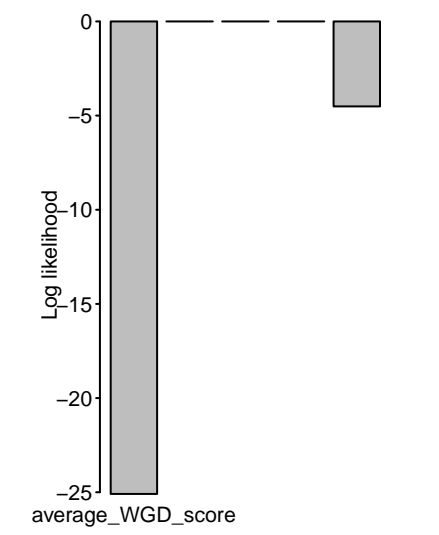
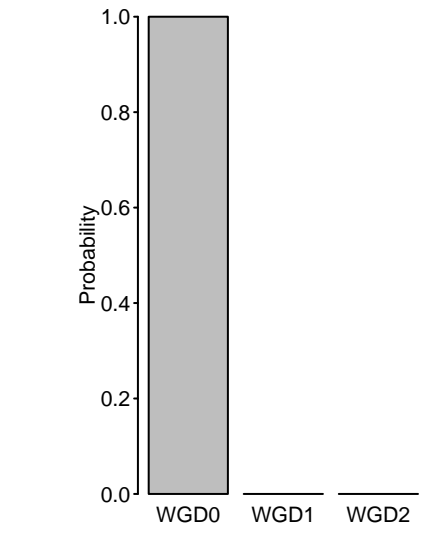
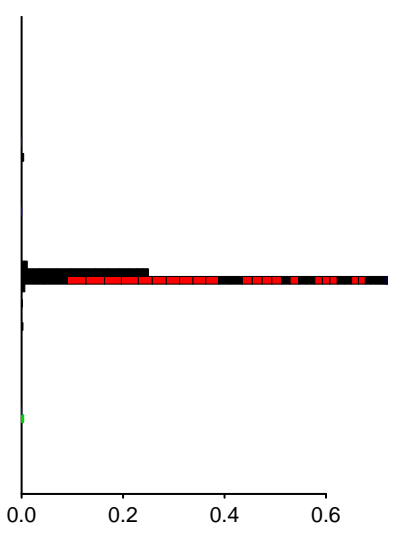
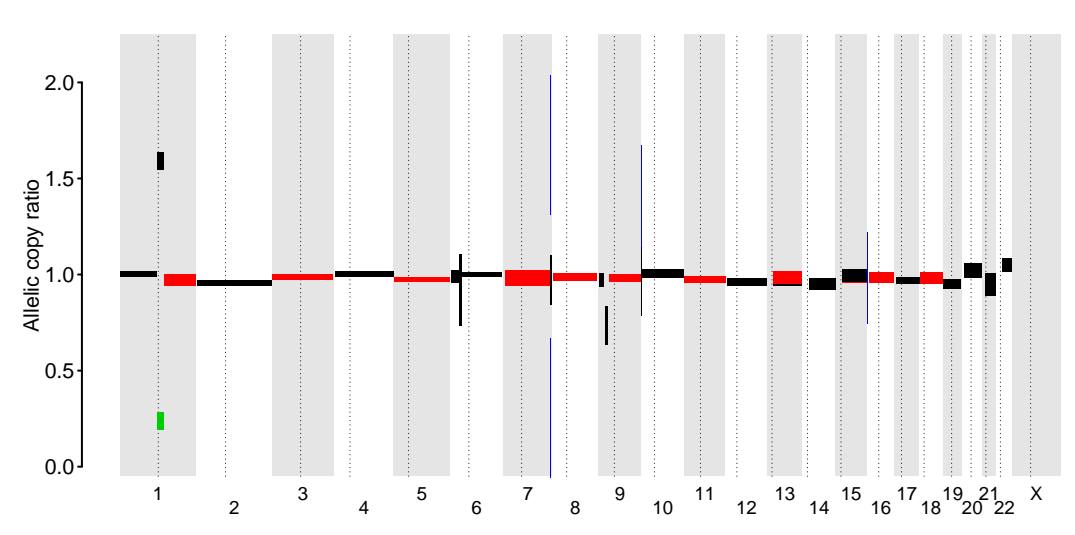
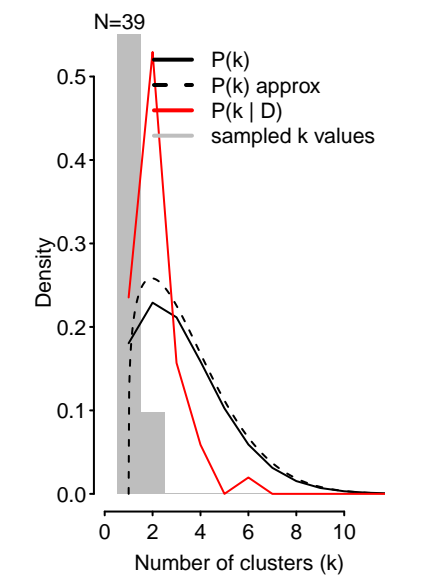
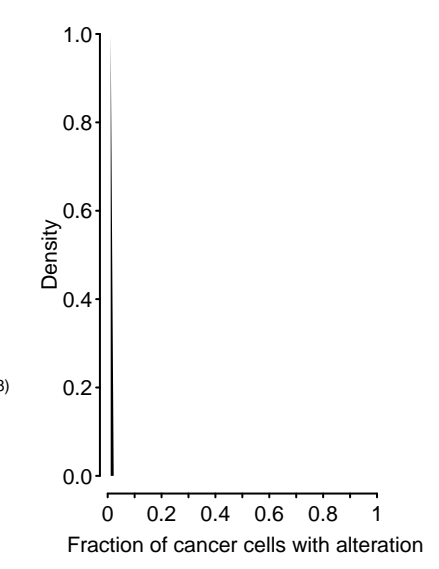
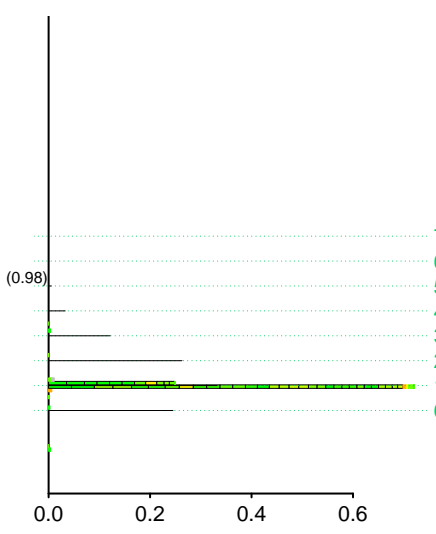
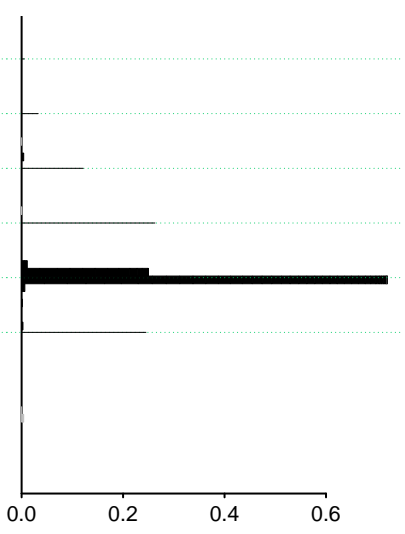
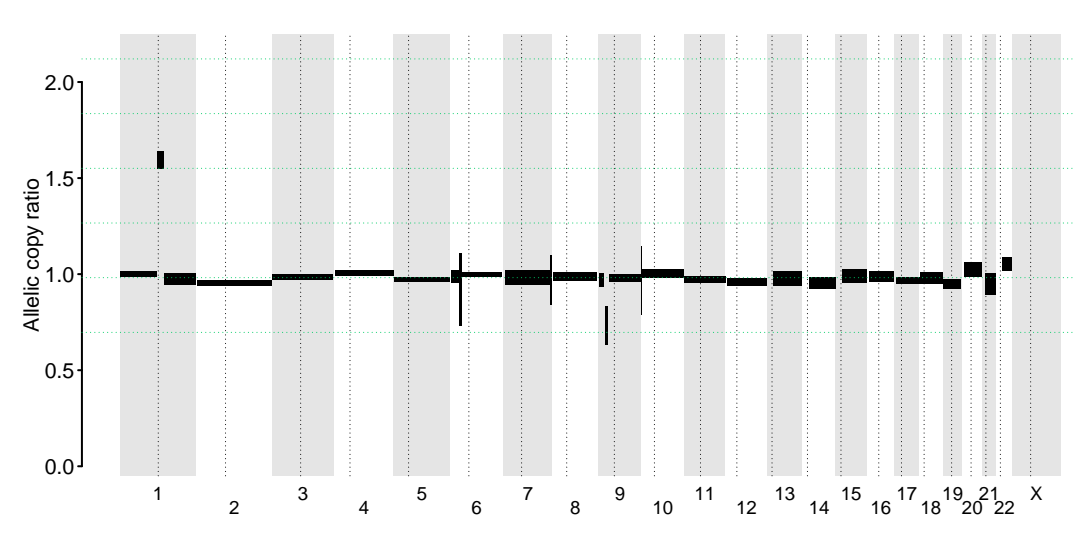
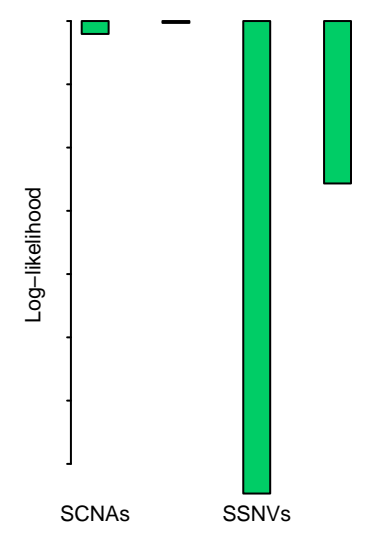
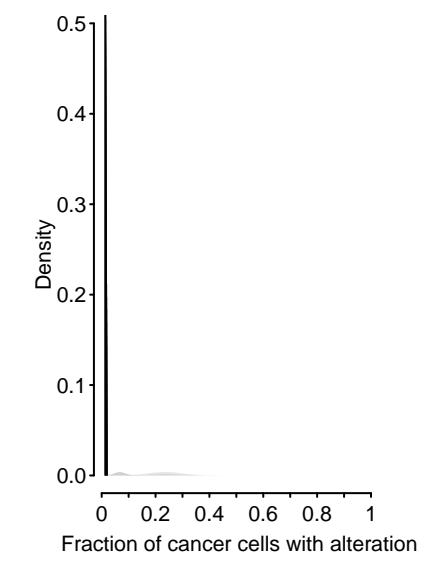
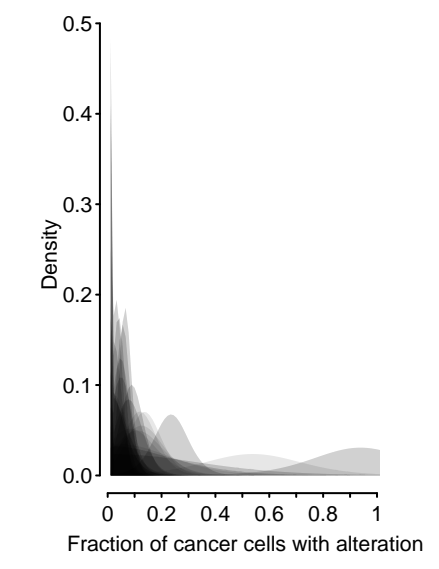
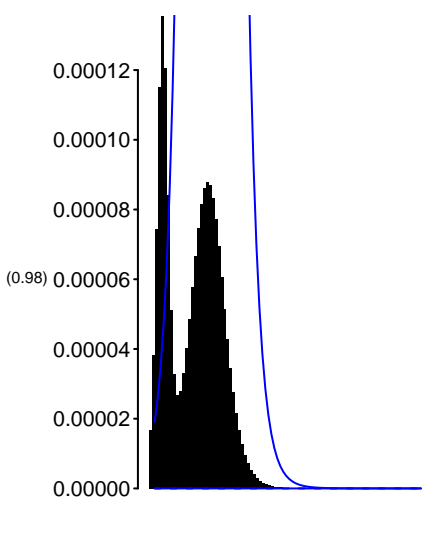
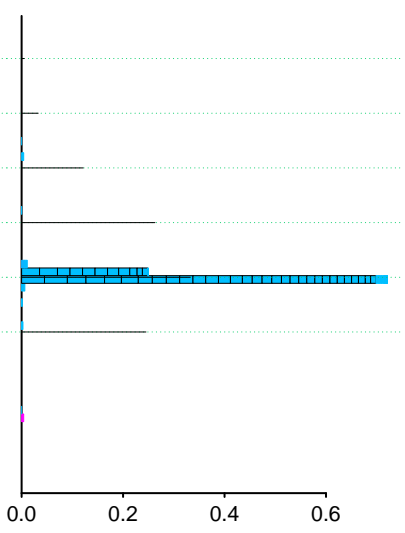
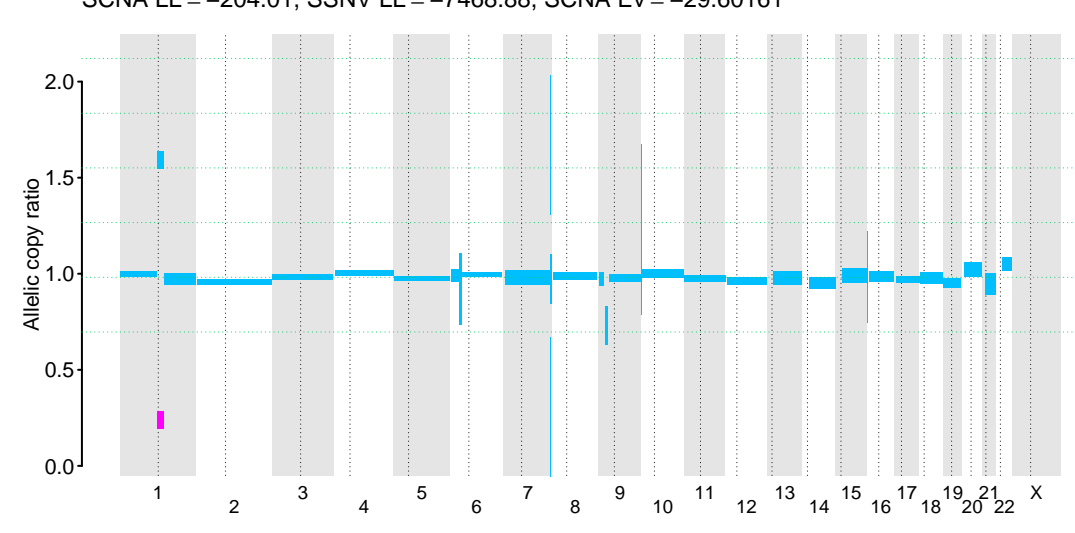
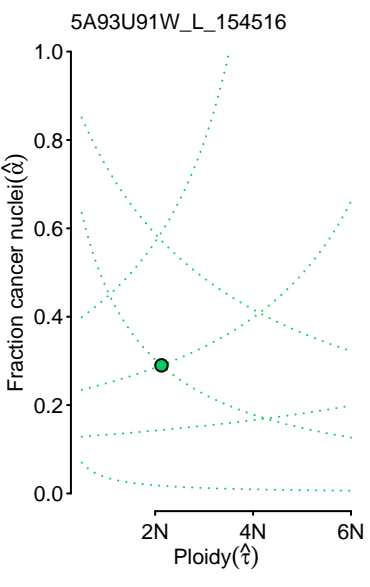
$\text{purity}(\hat{\alpha}) = 0.15$, ploidy: $\hat{t} = 1.73$, $\hat{t}_g = 2.01$
 $\theta_z = 0.03$, $\theta_a = 1.941$, WGD=0
 SCNA LL = -271.29, SSNV LL = -10550, SCNA Ev = -46.8262



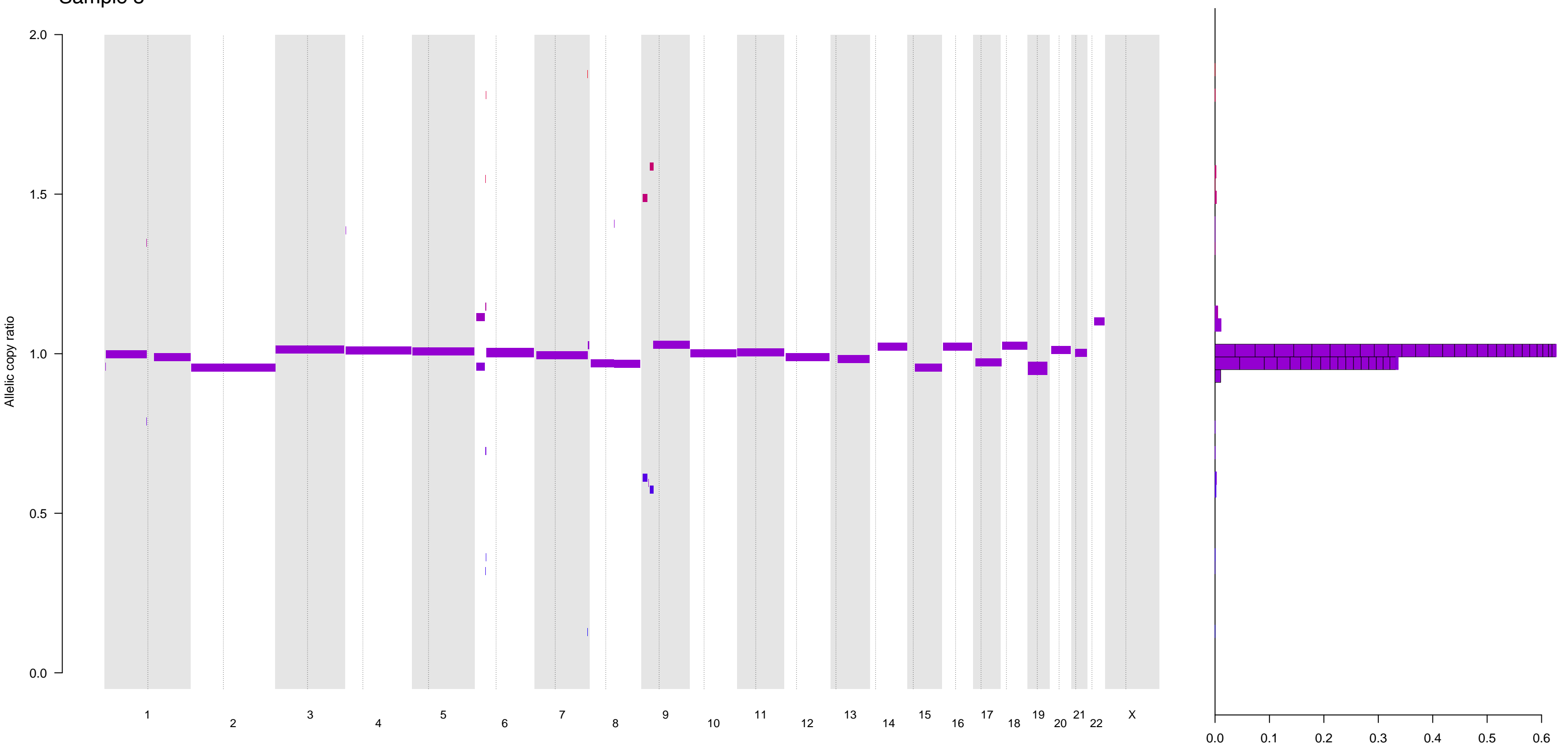
Sample 4

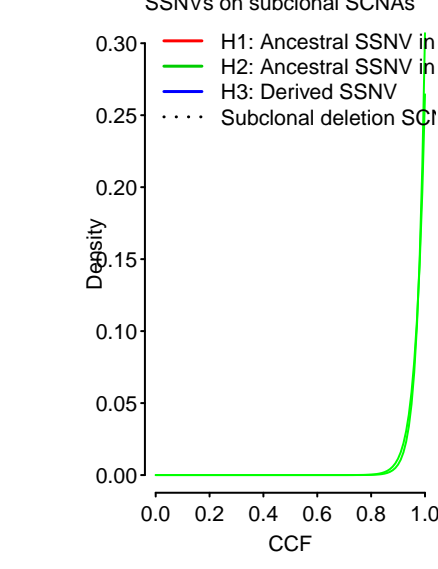
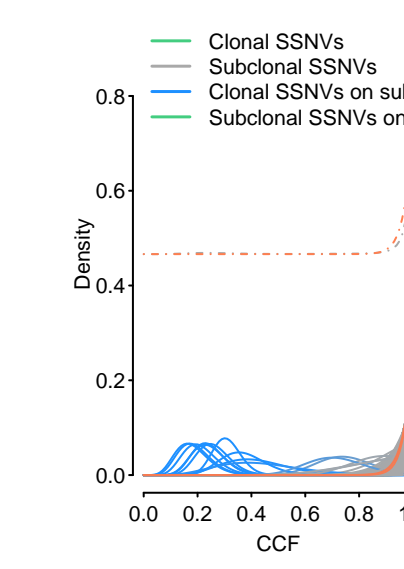
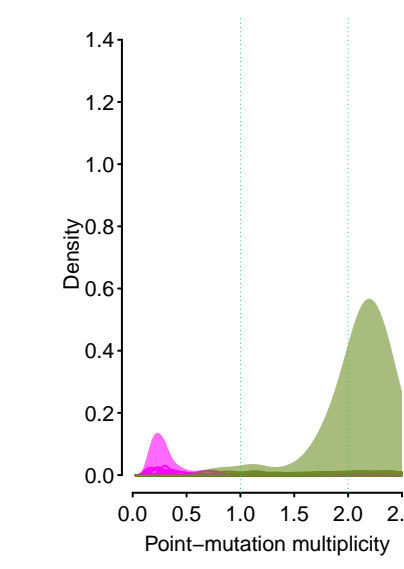
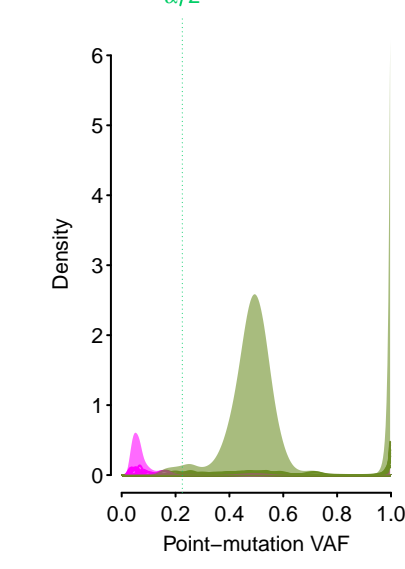
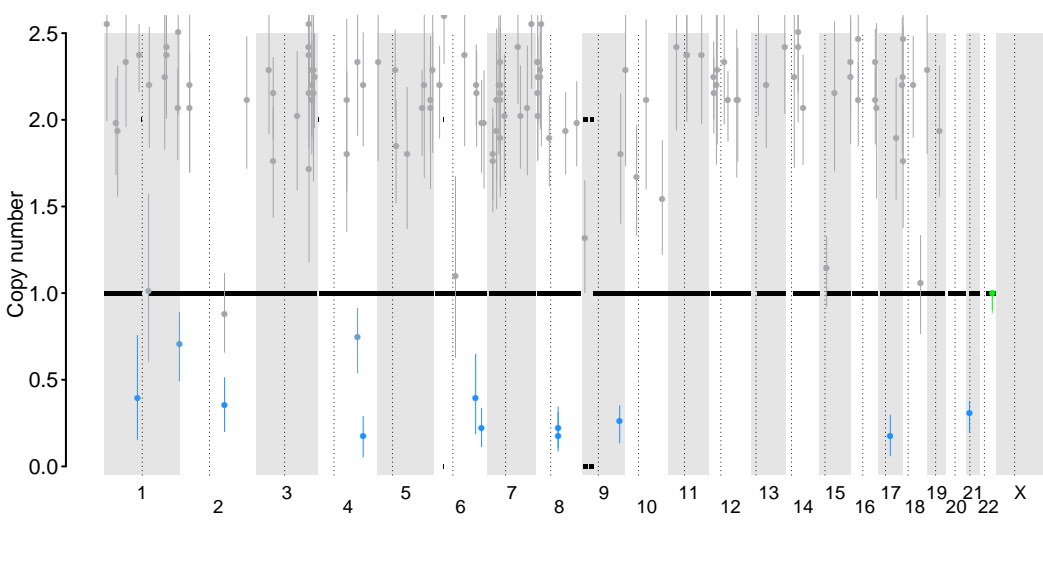
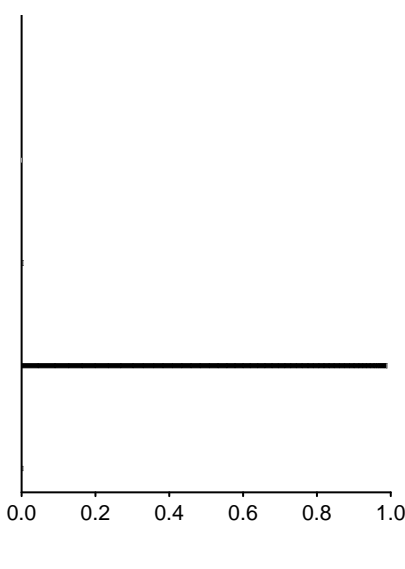
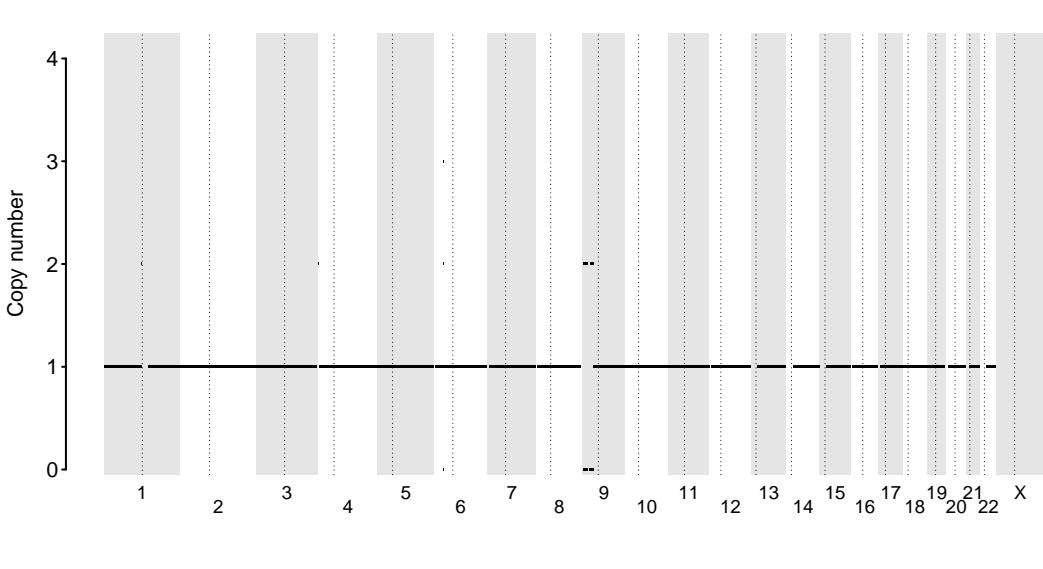
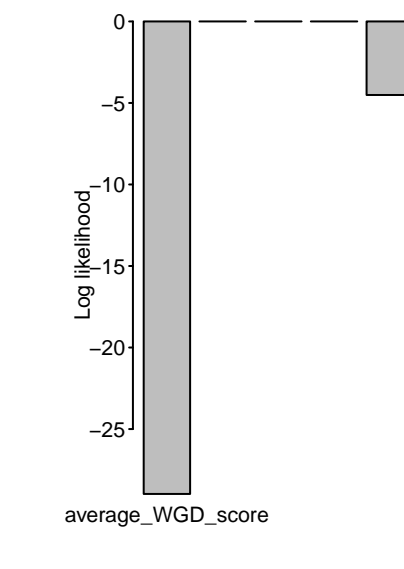
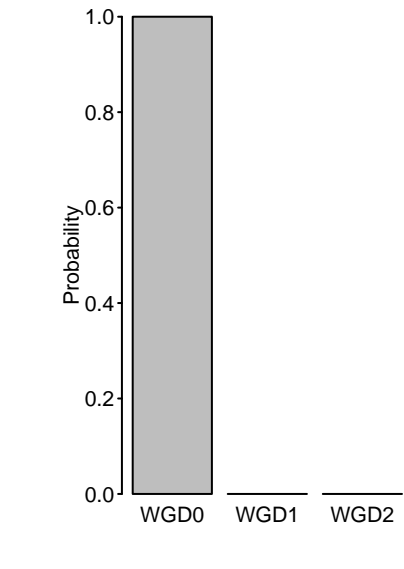
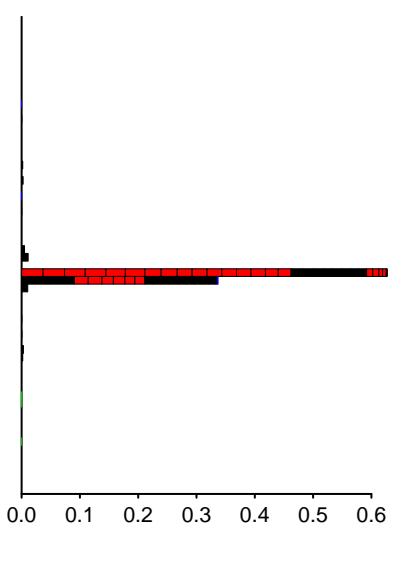
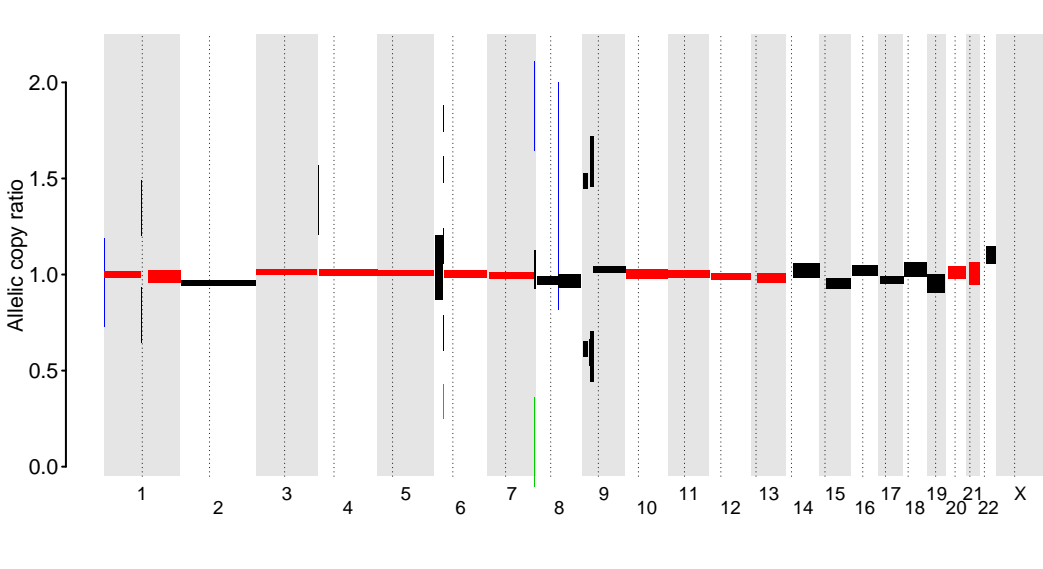
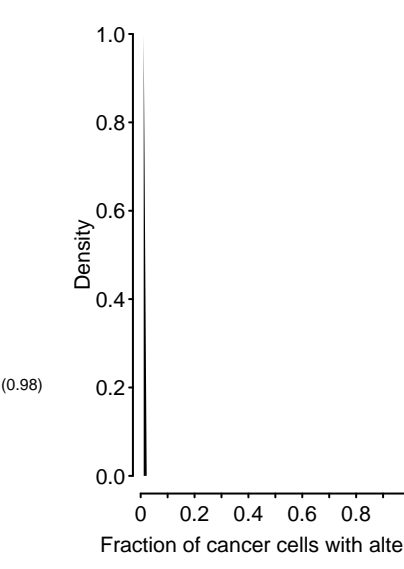
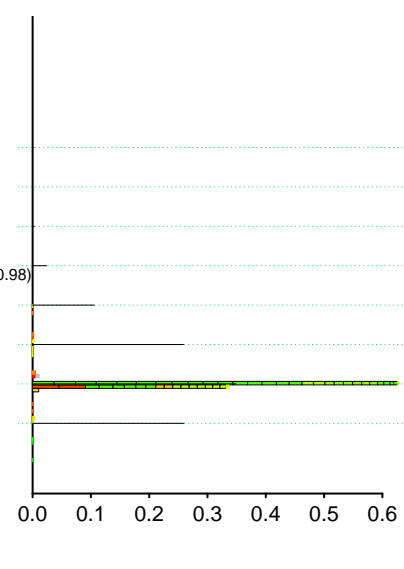
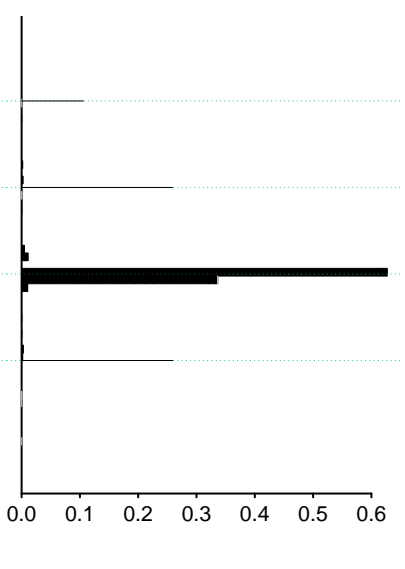
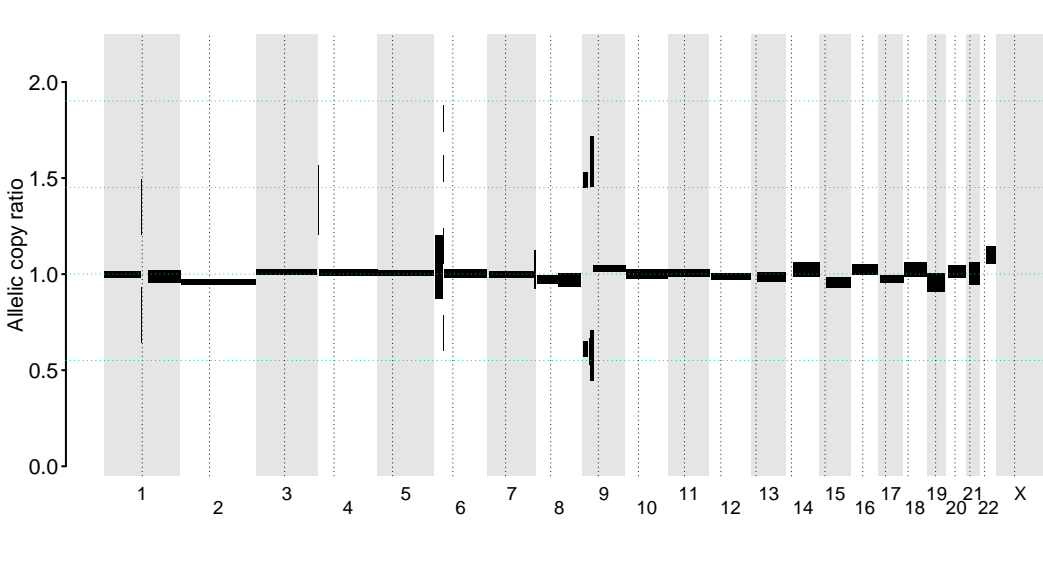
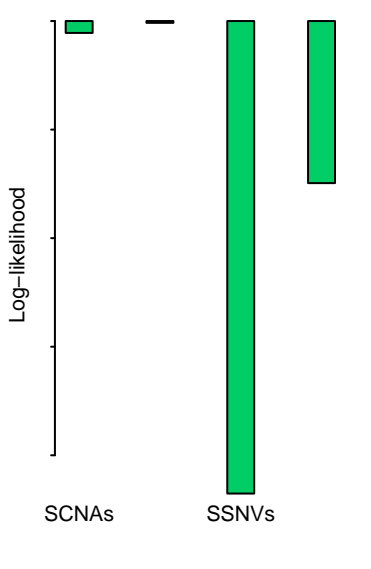
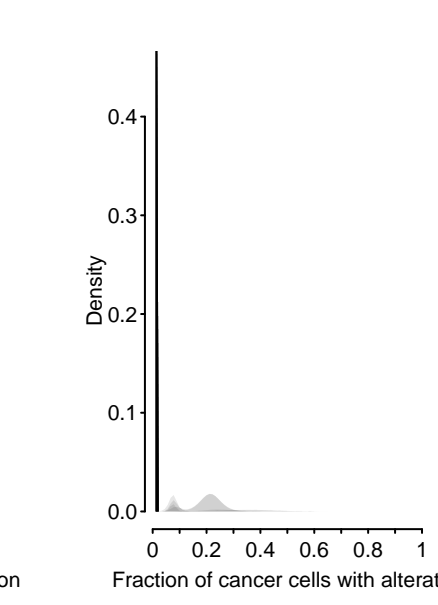
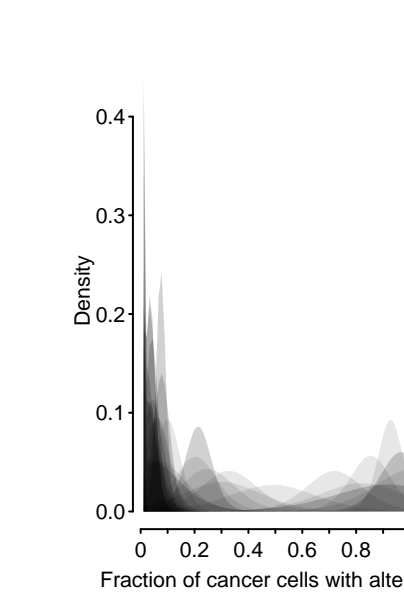
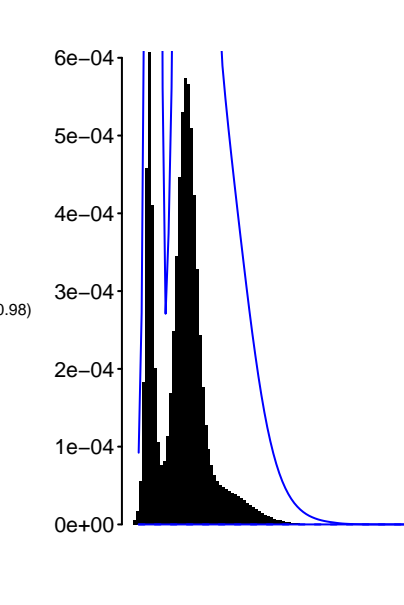
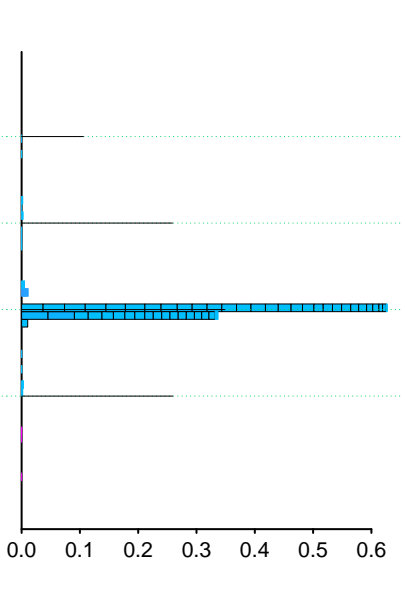
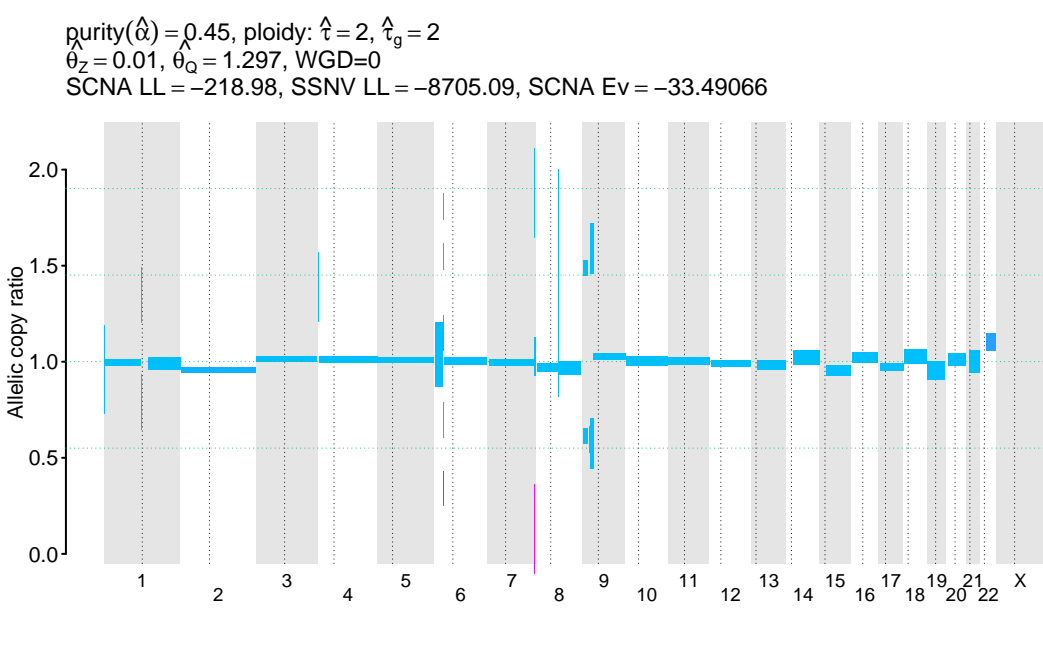
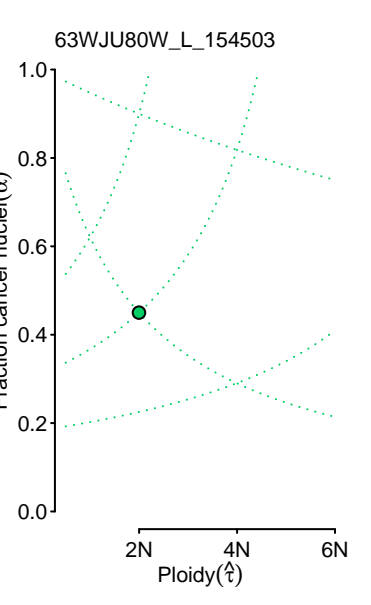


$\hat{\alpha} = 0.29$, purity: $\hat{\tau} = 2.13$, $\hat{\tau}_g = 2$
 $\theta_z = 0.01$, $\theta_a = 1.362$, WGD=0
 SCNA LL = -204.01, SSNV LL = -7468.88, SCNA Ev = -29.60161

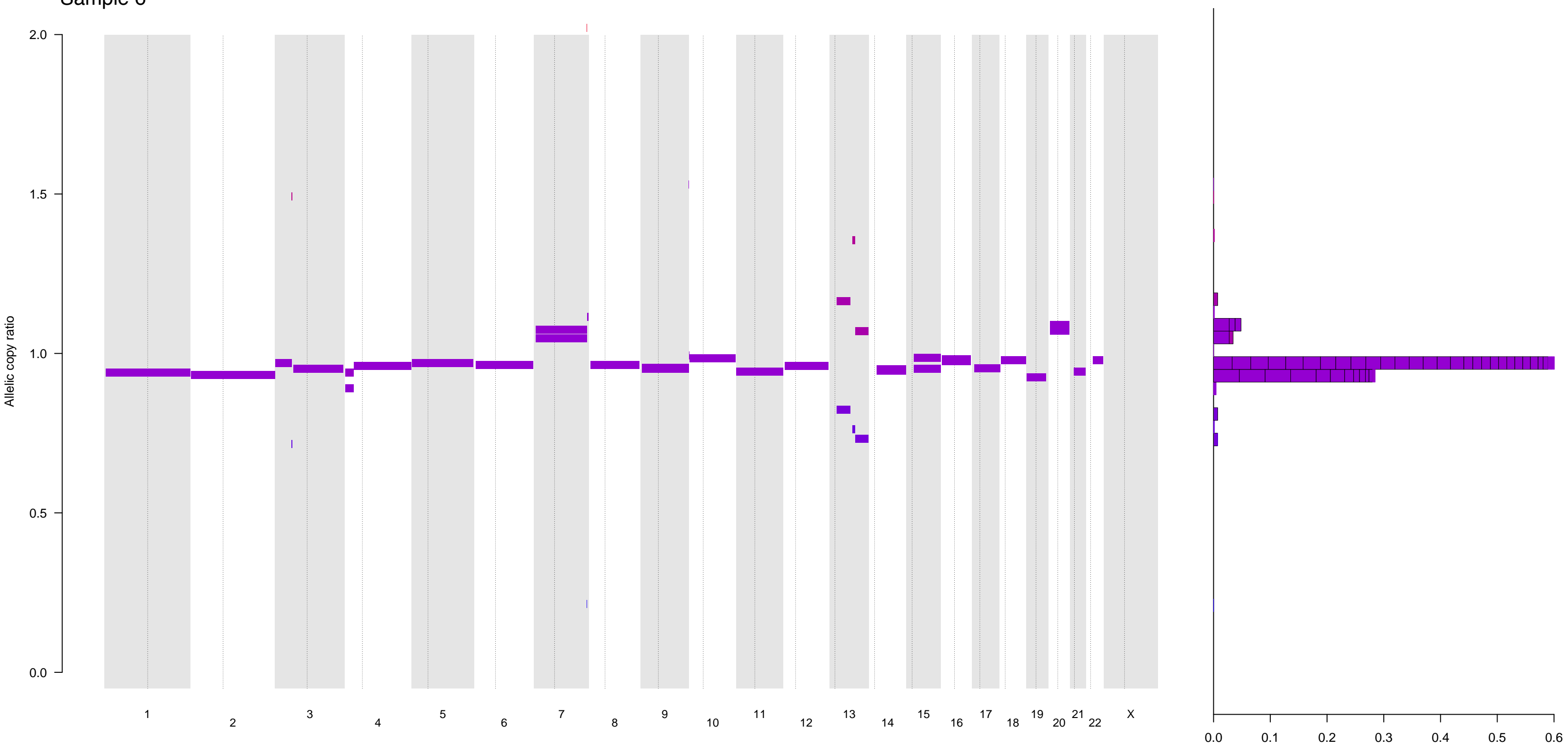


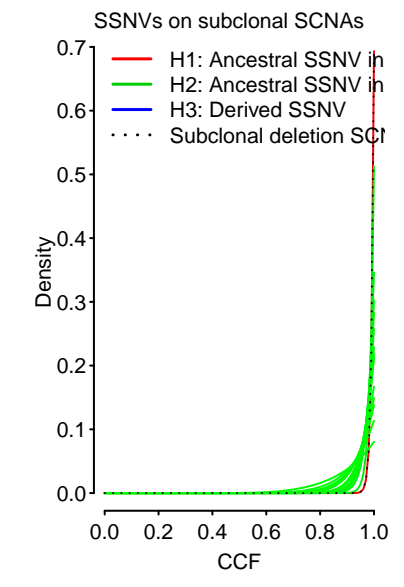
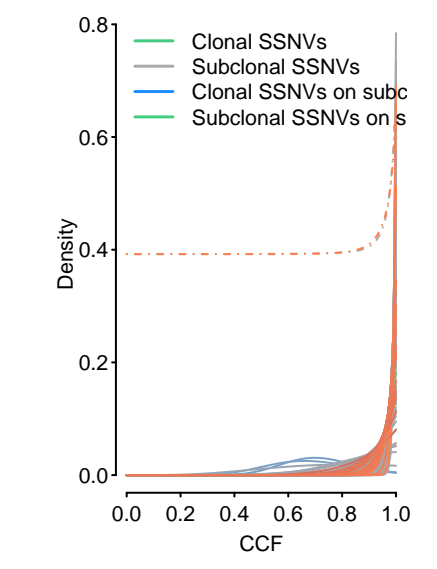
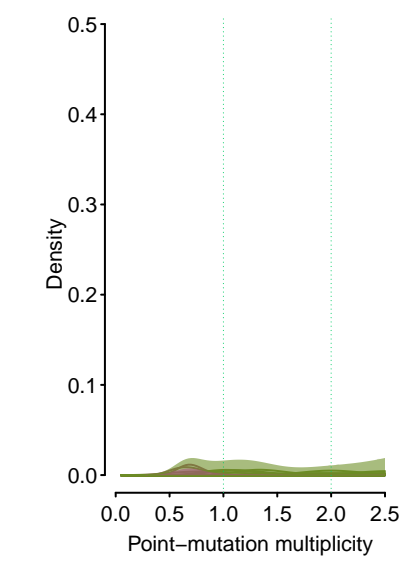
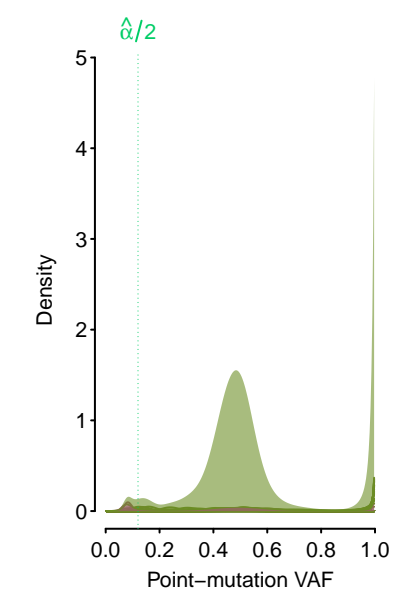
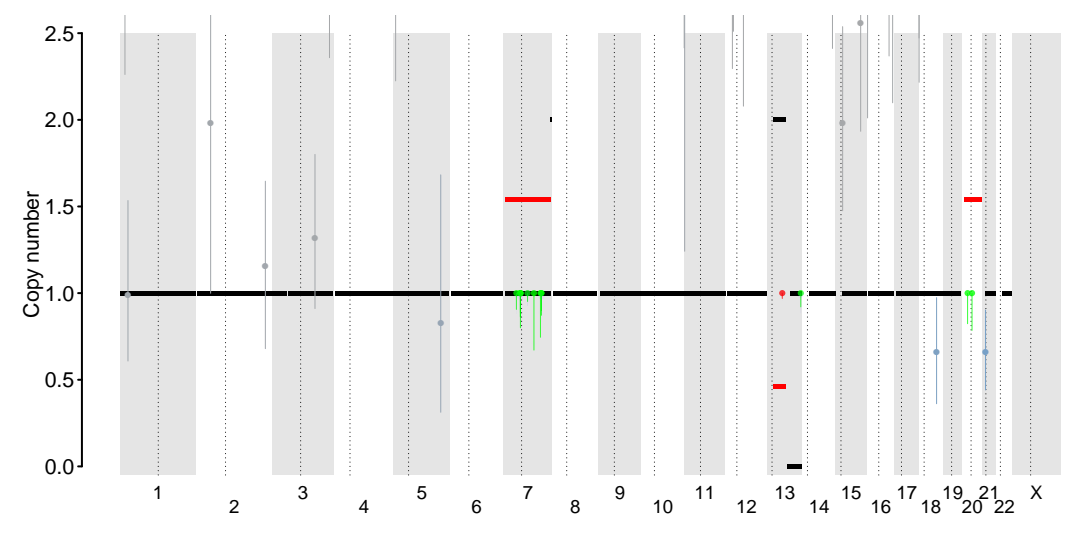
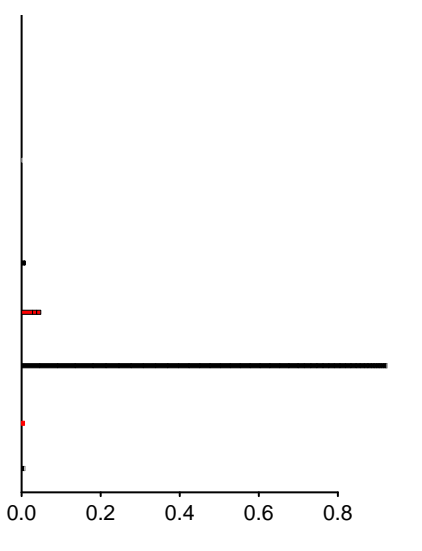
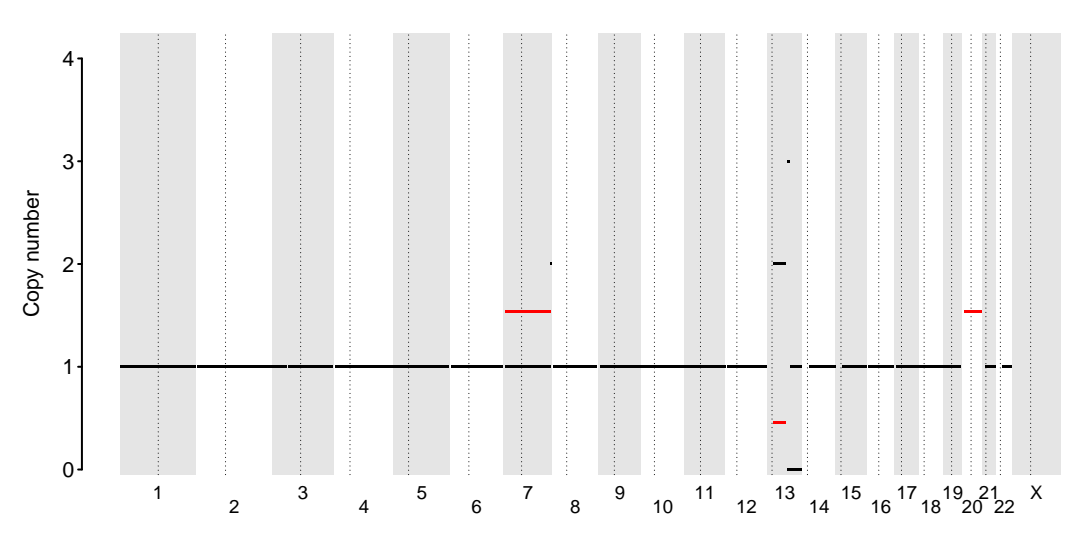
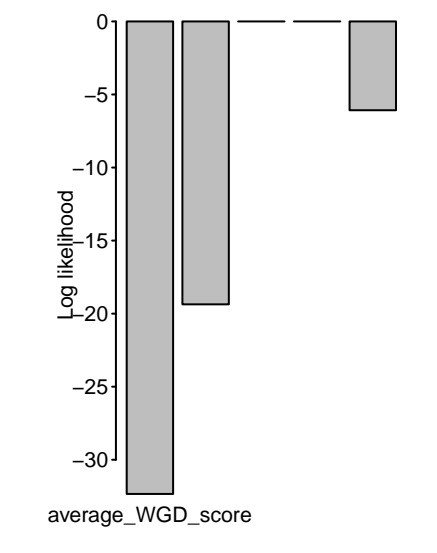
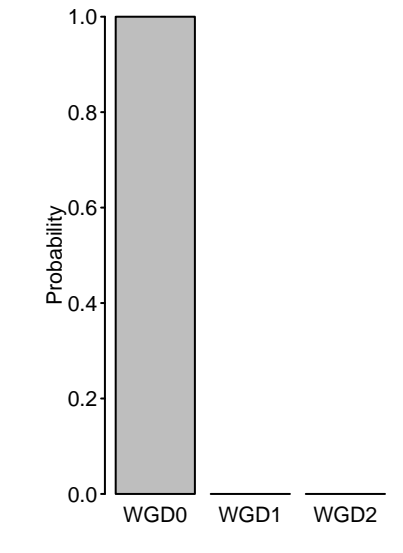
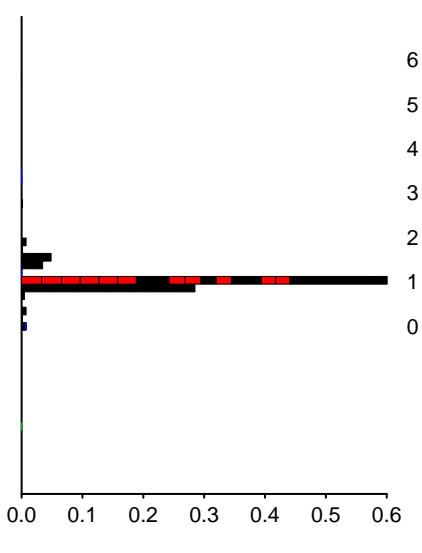
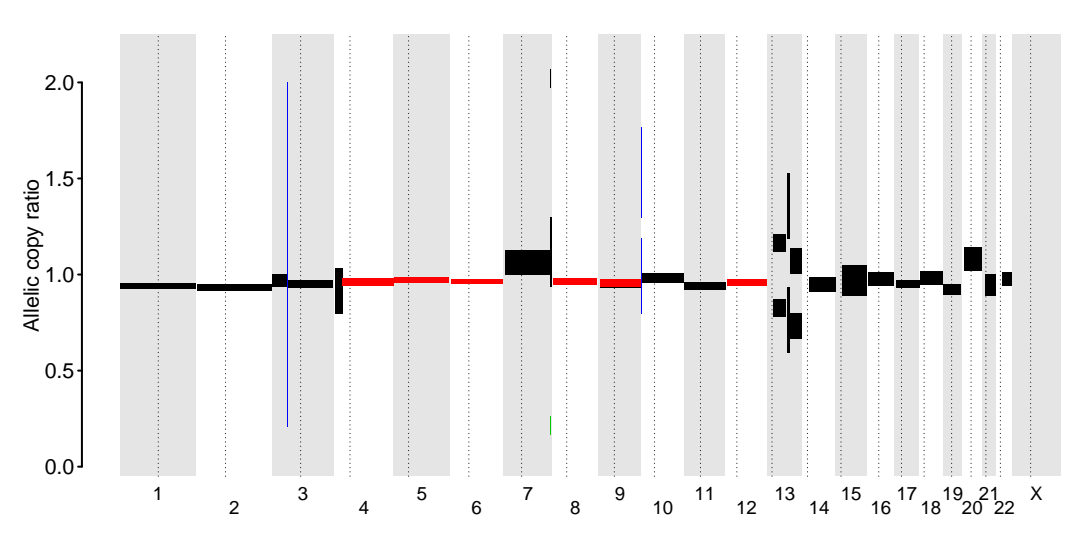
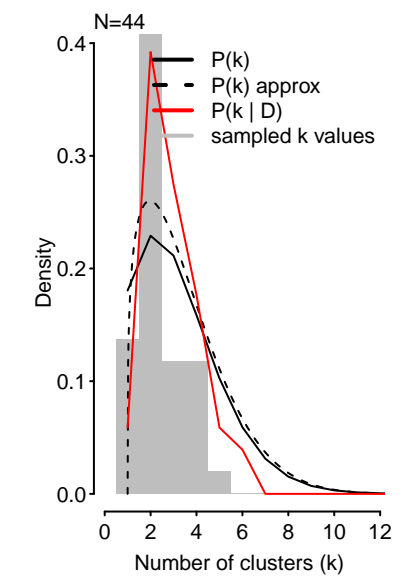
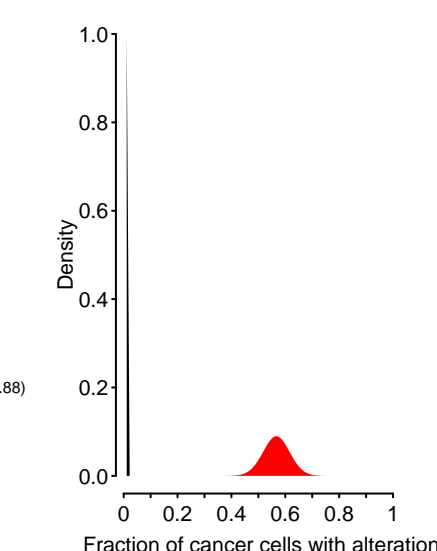
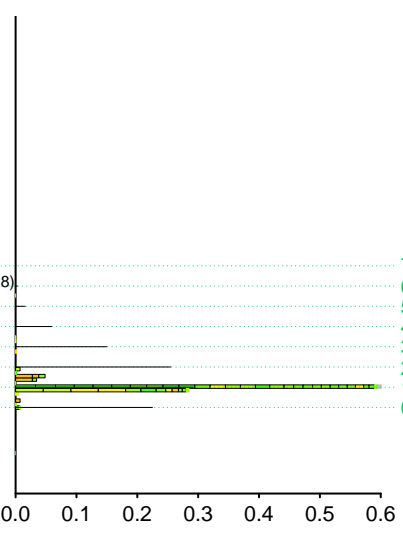
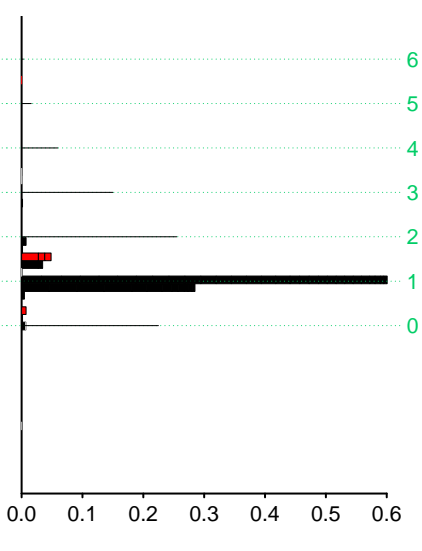
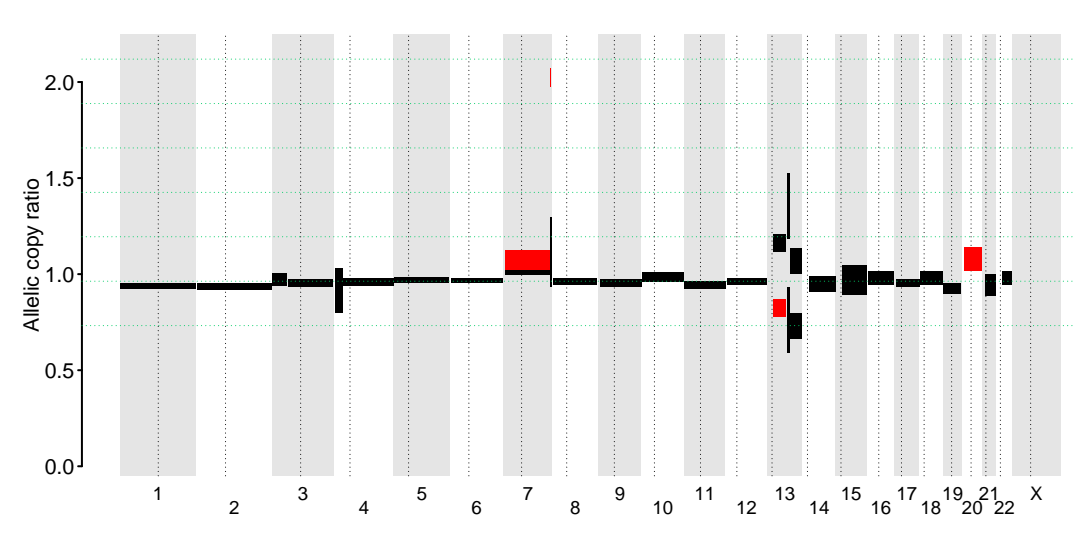
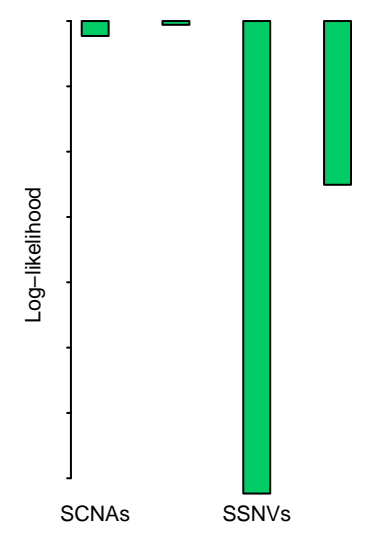
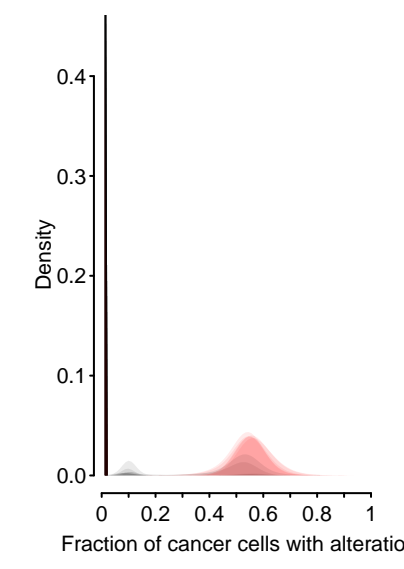
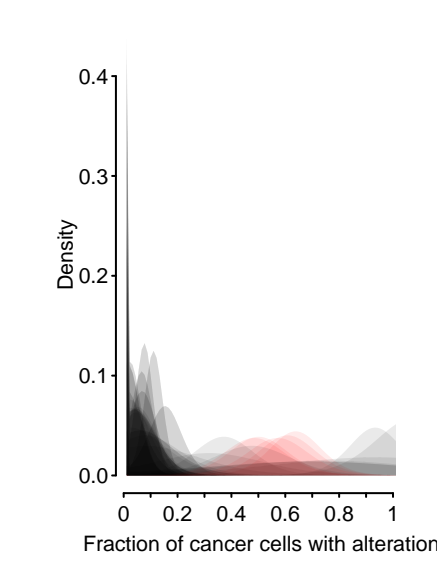
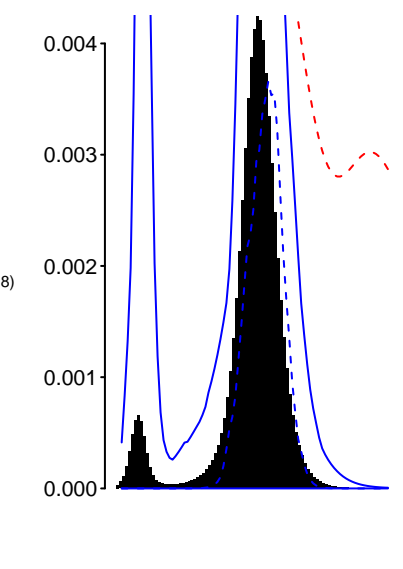
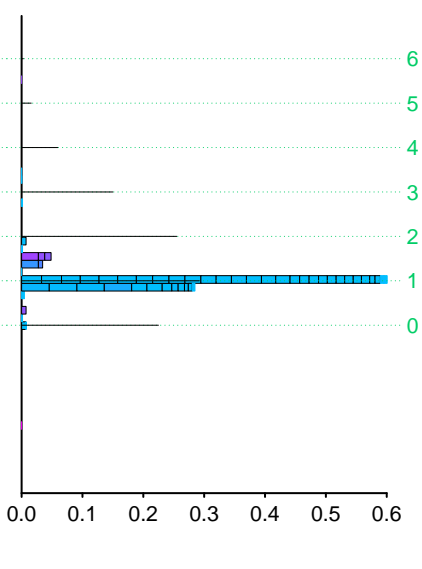
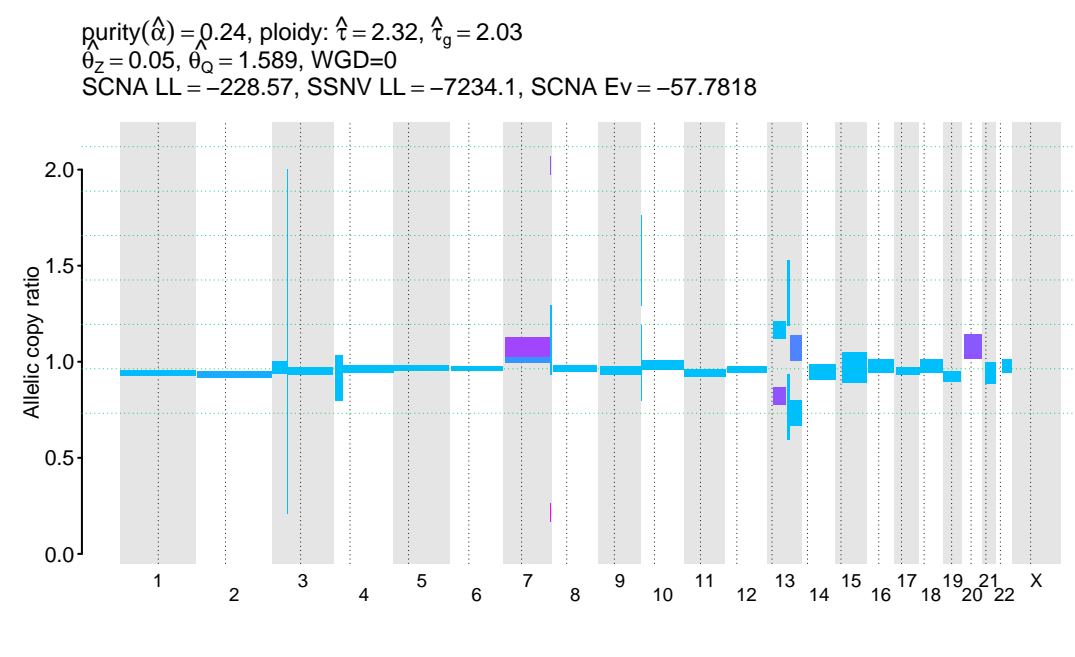
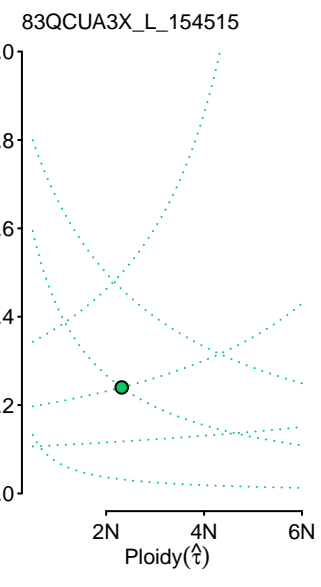
Sample 5



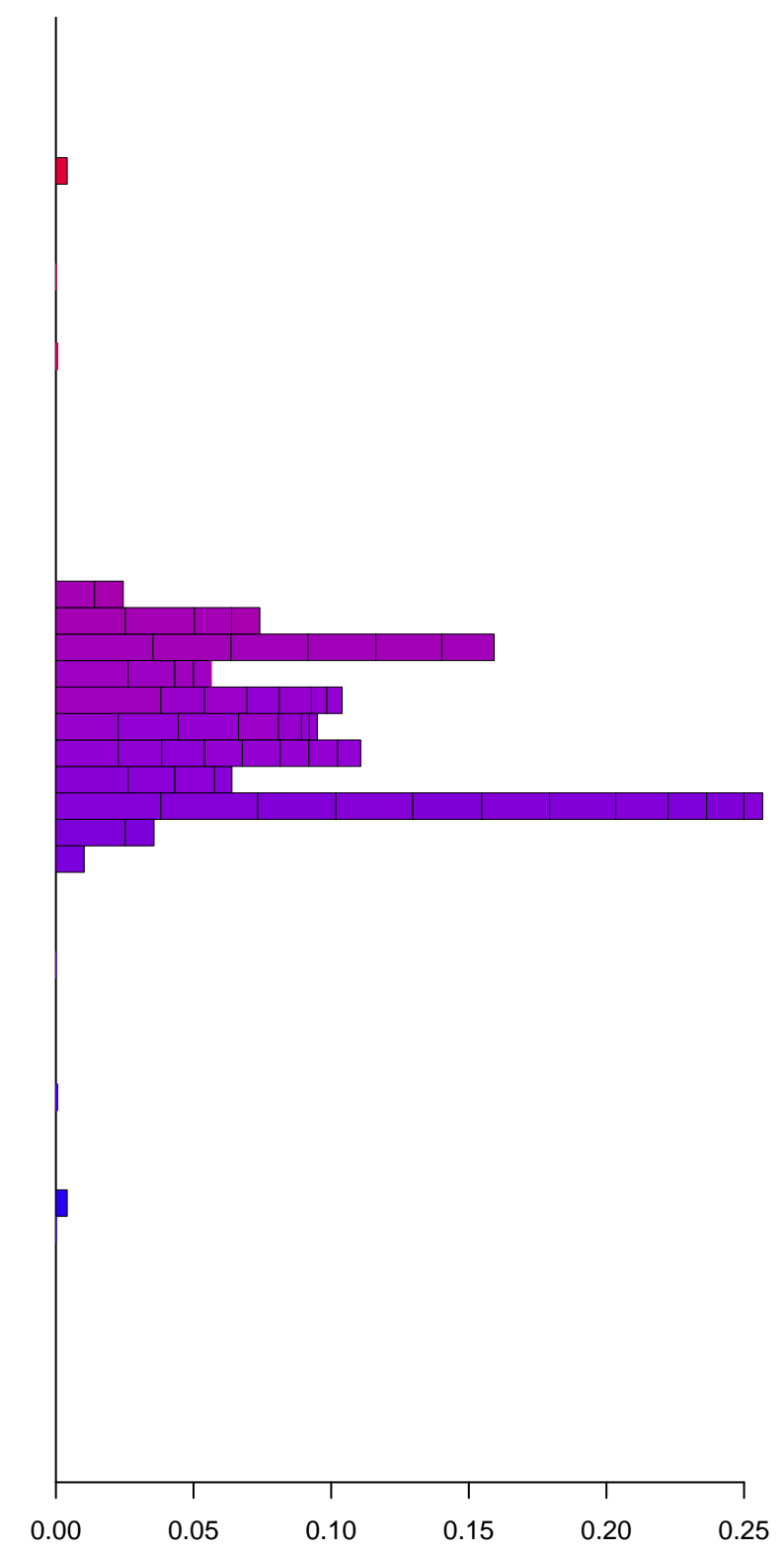
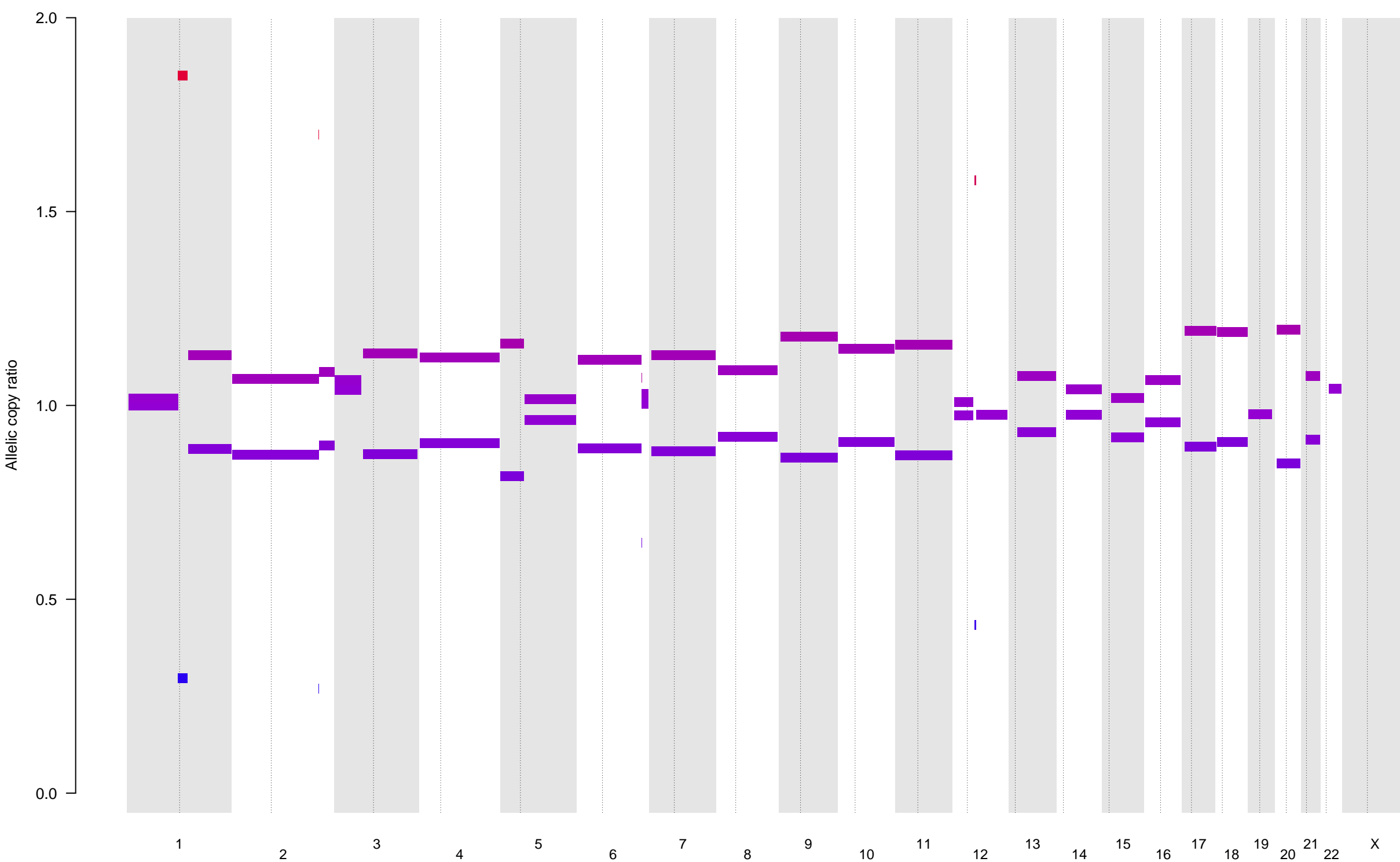


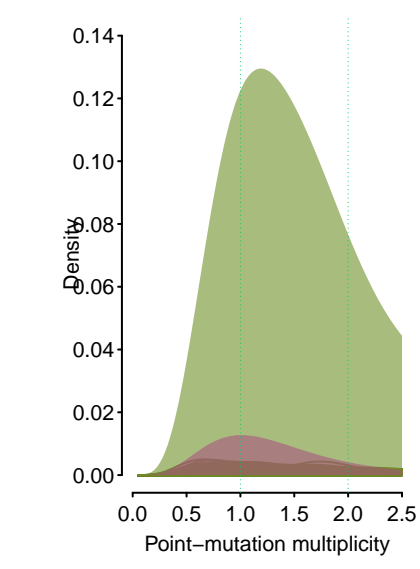
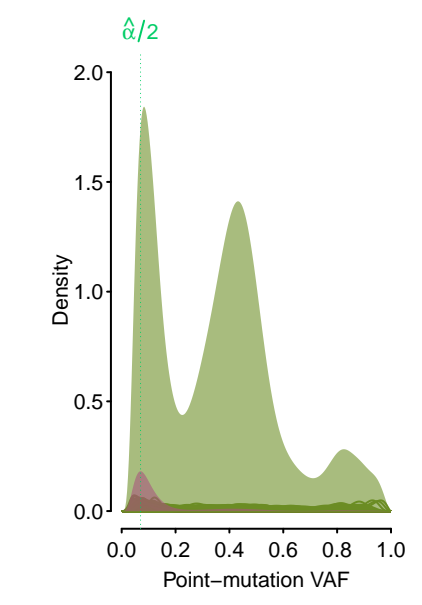
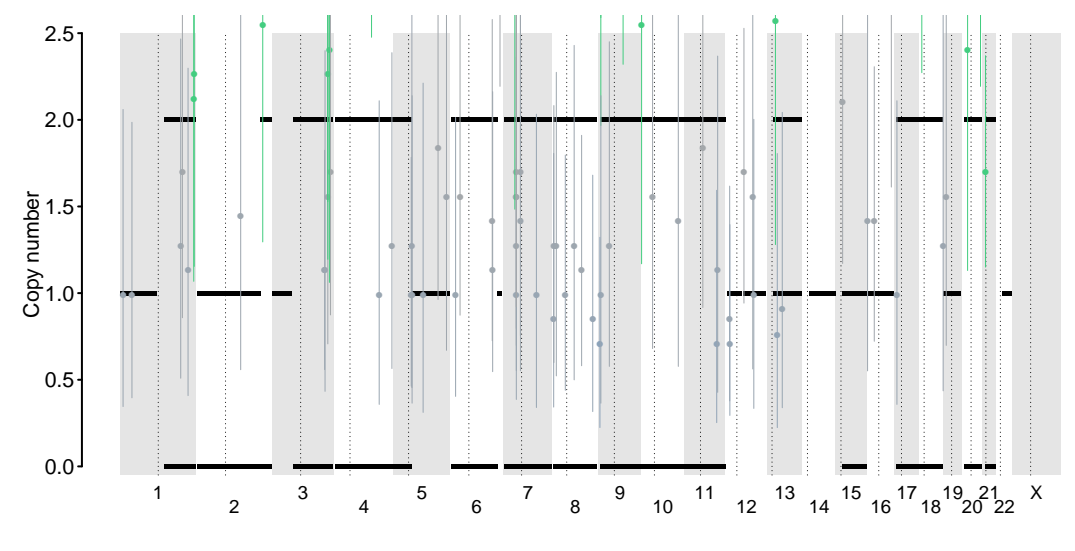
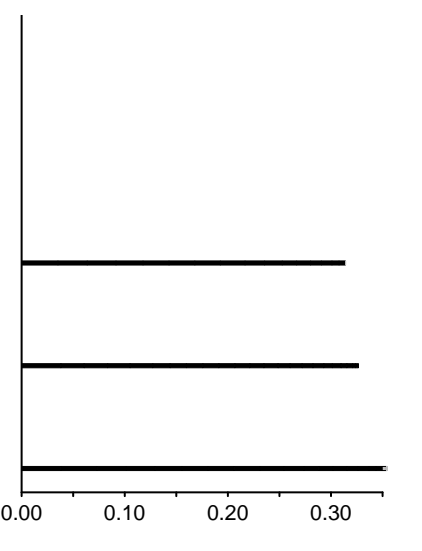
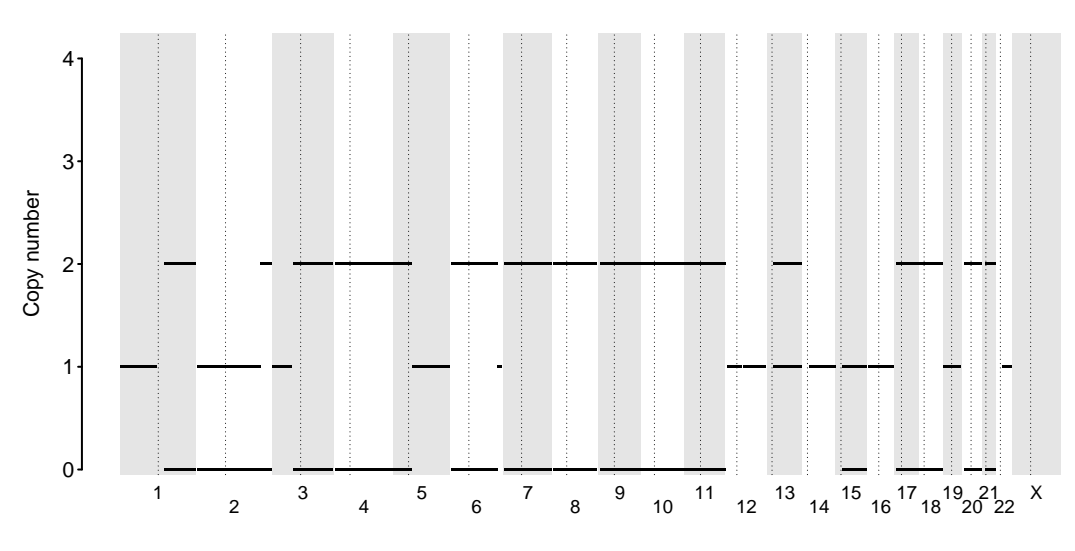
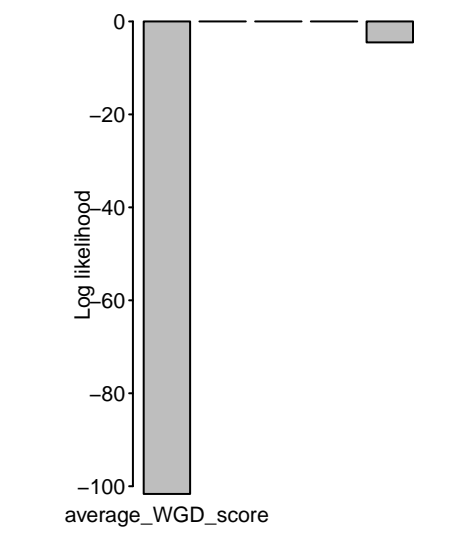
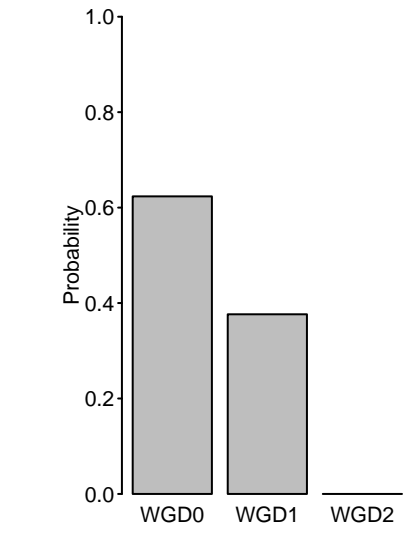
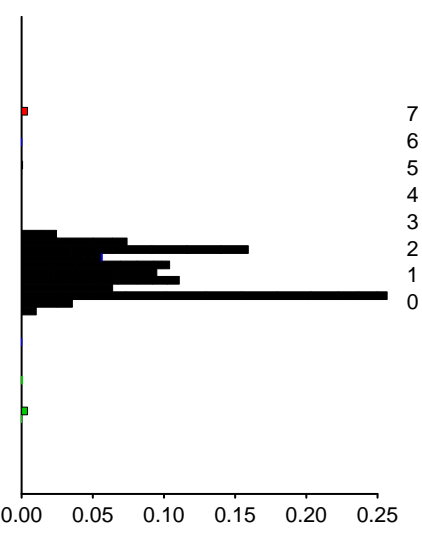
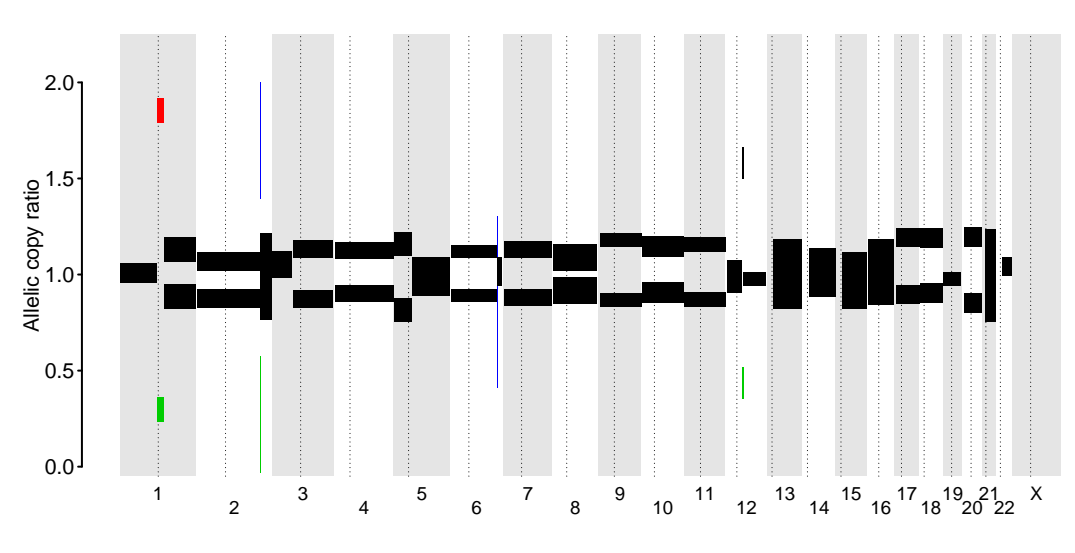
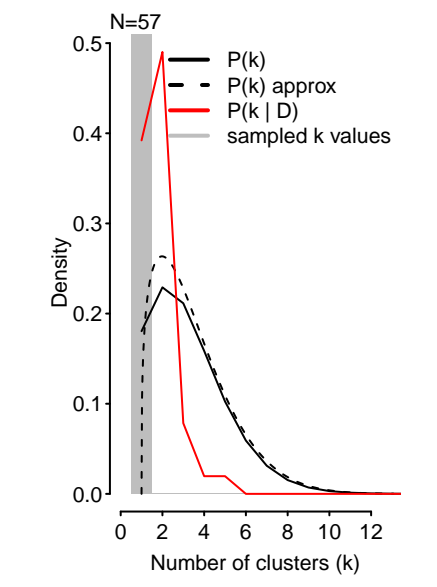
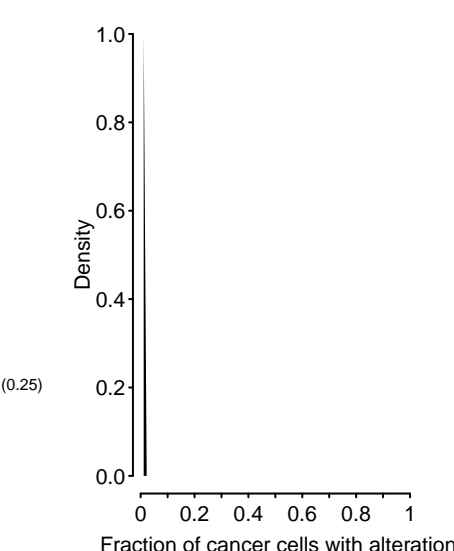
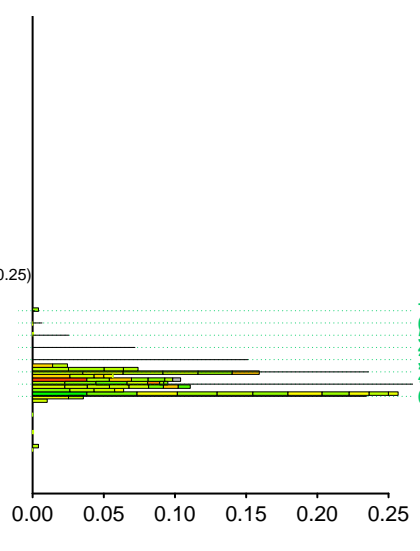
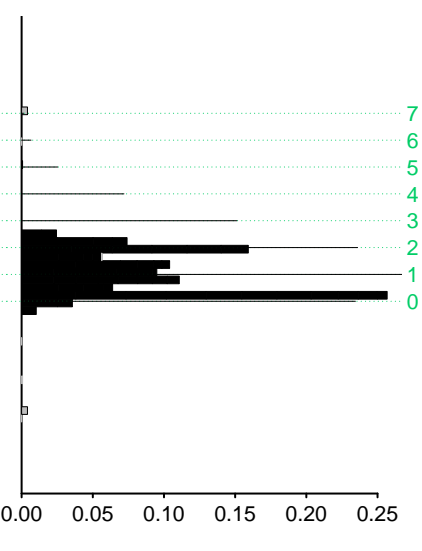
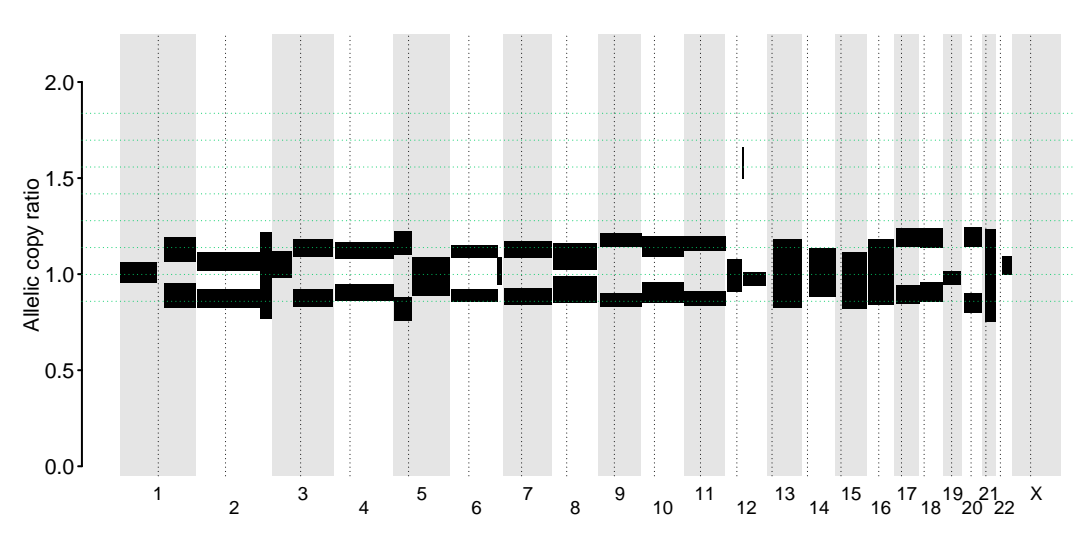
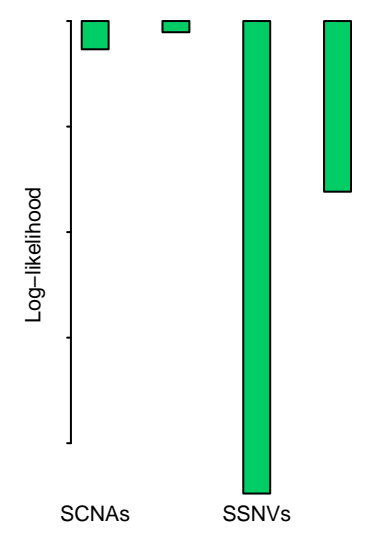
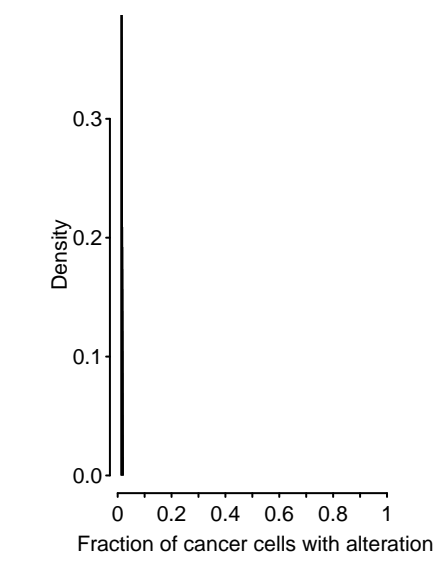
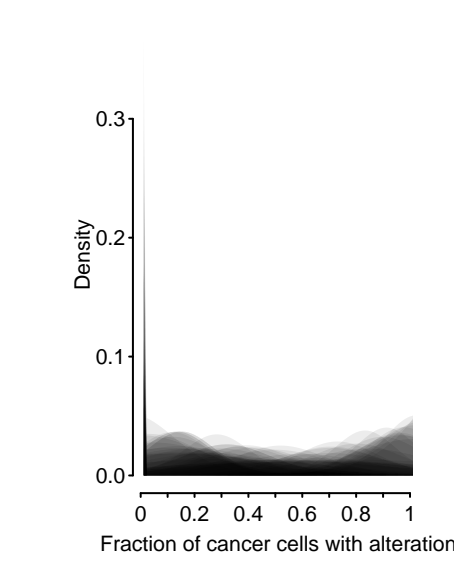
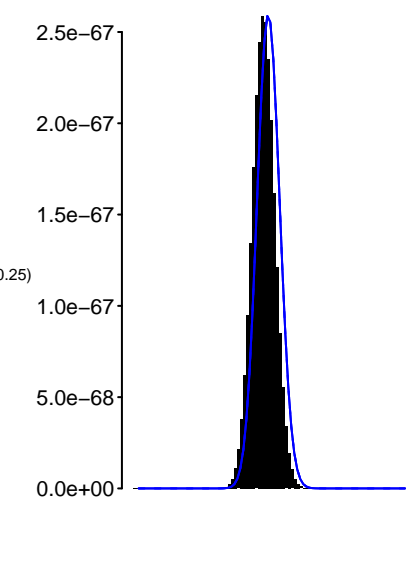
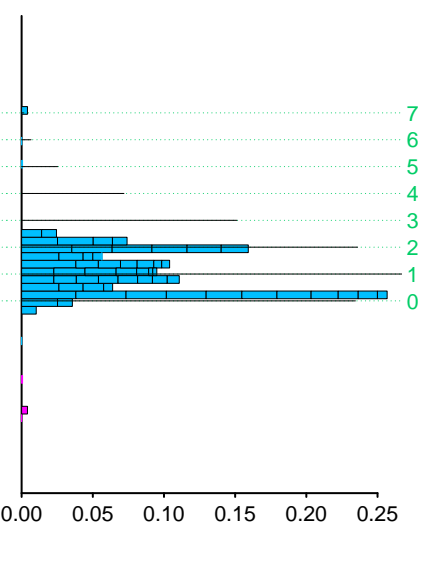
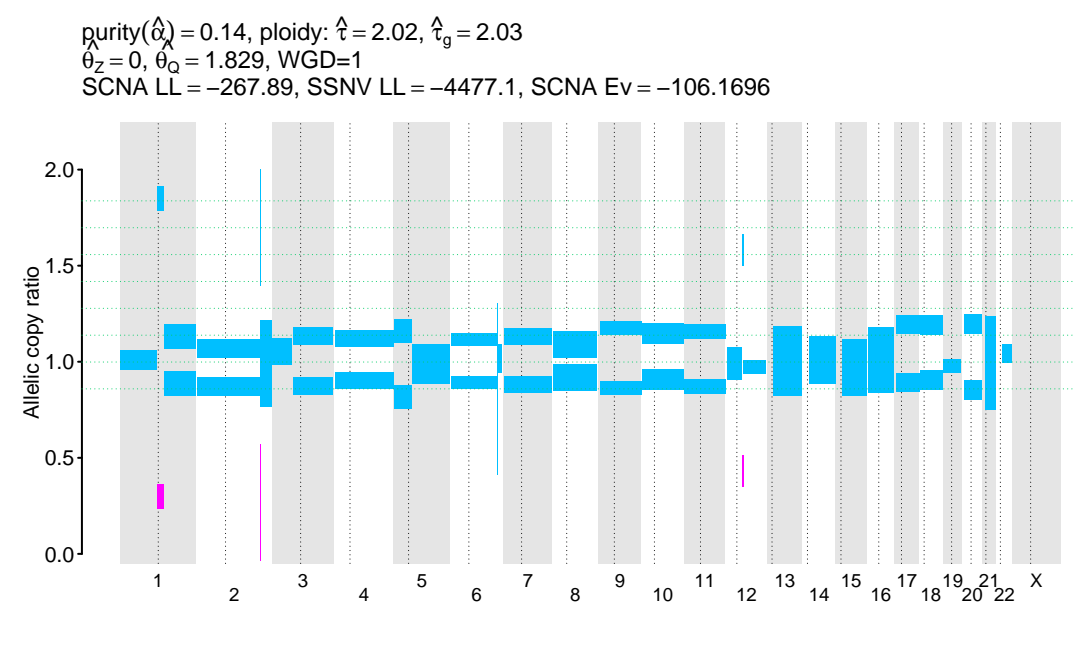
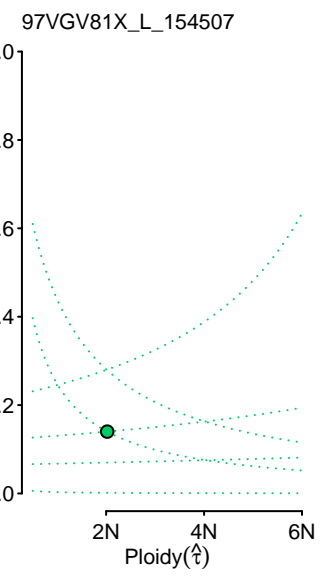
Sample 6



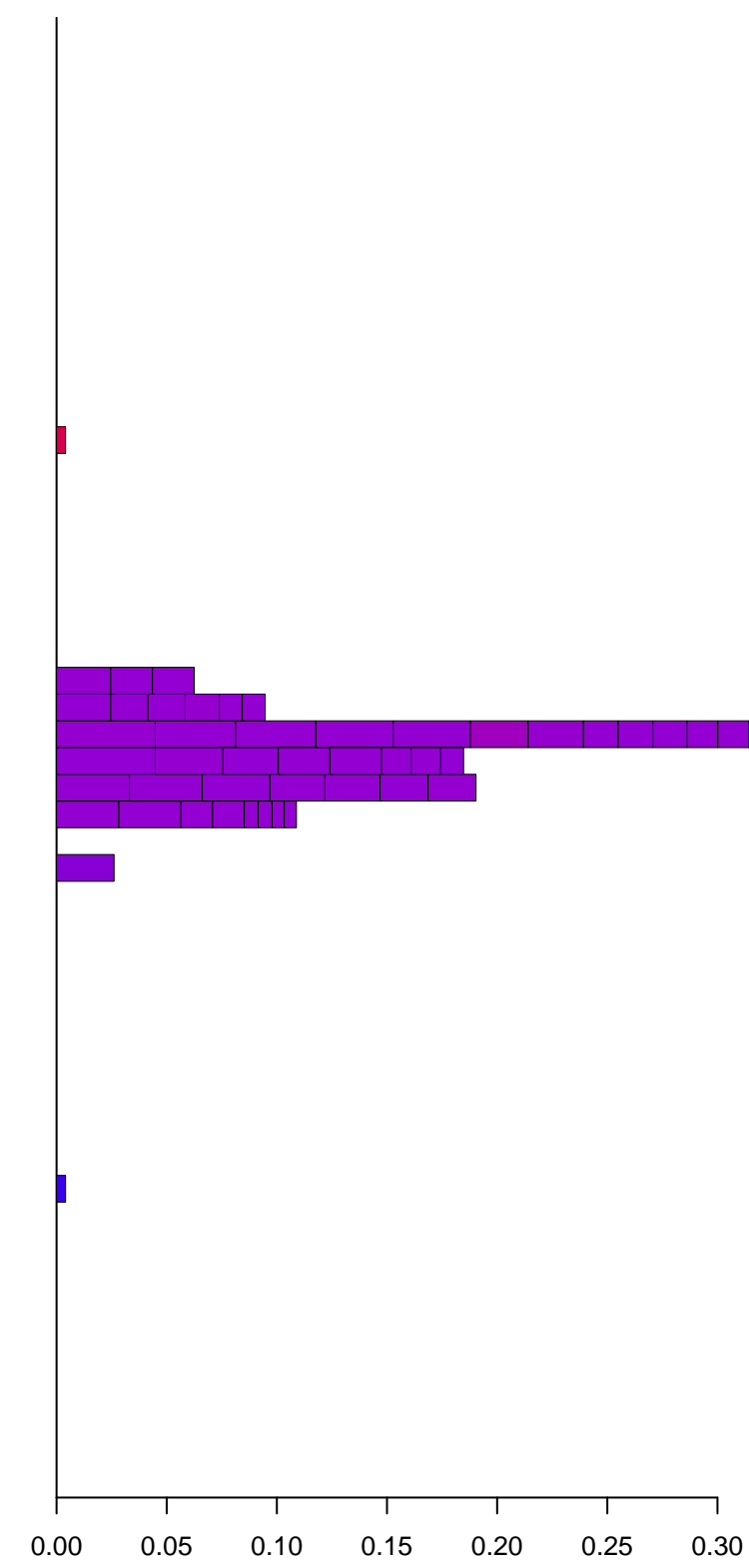
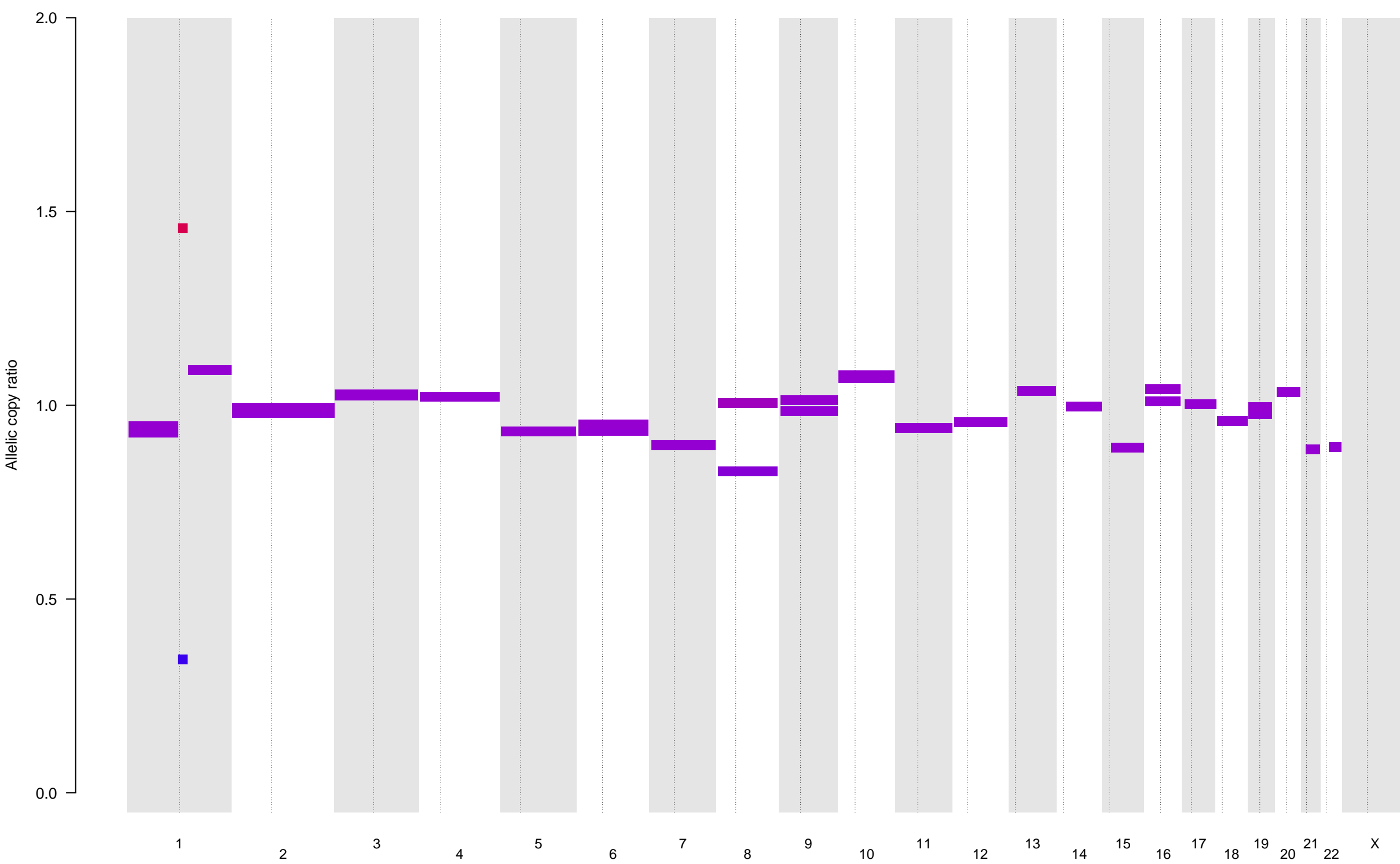


Sample 7

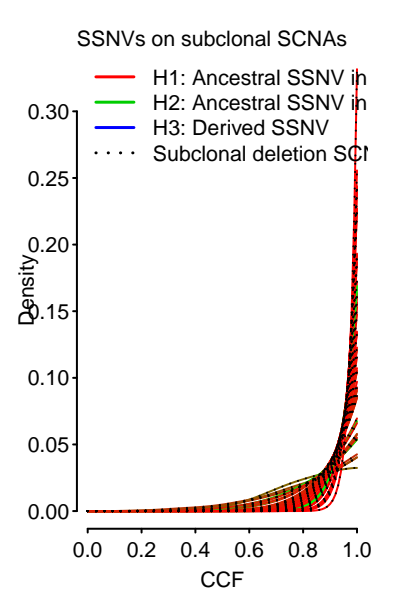
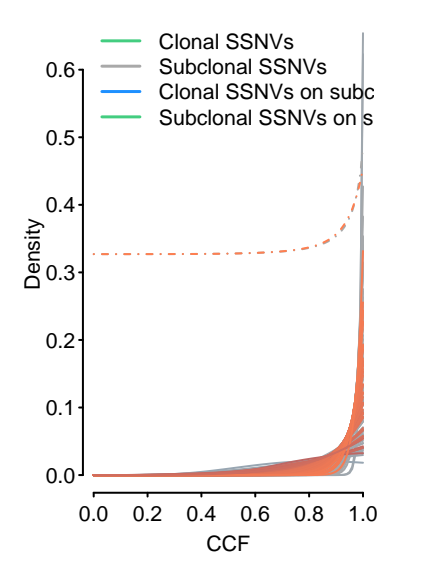
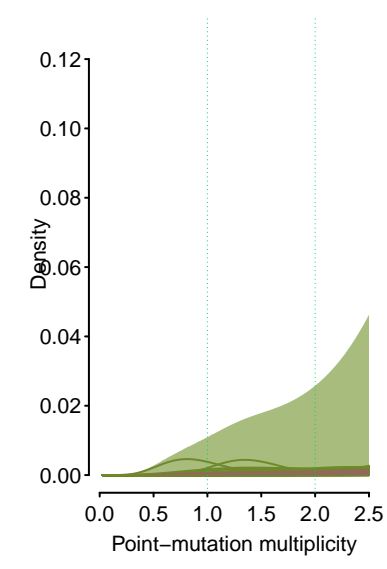
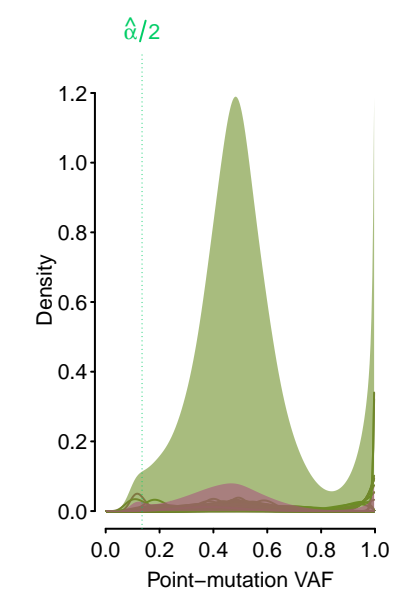
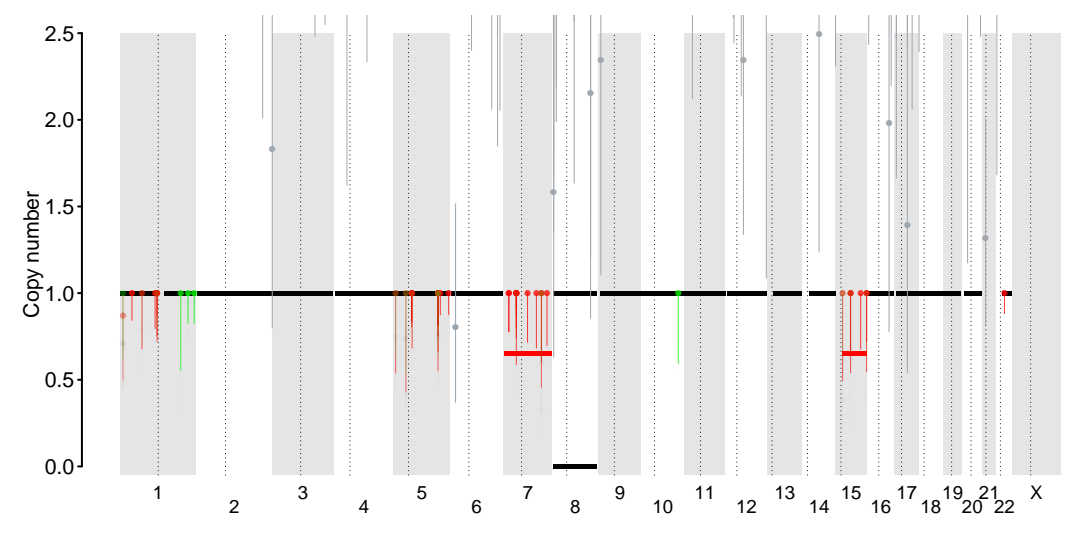
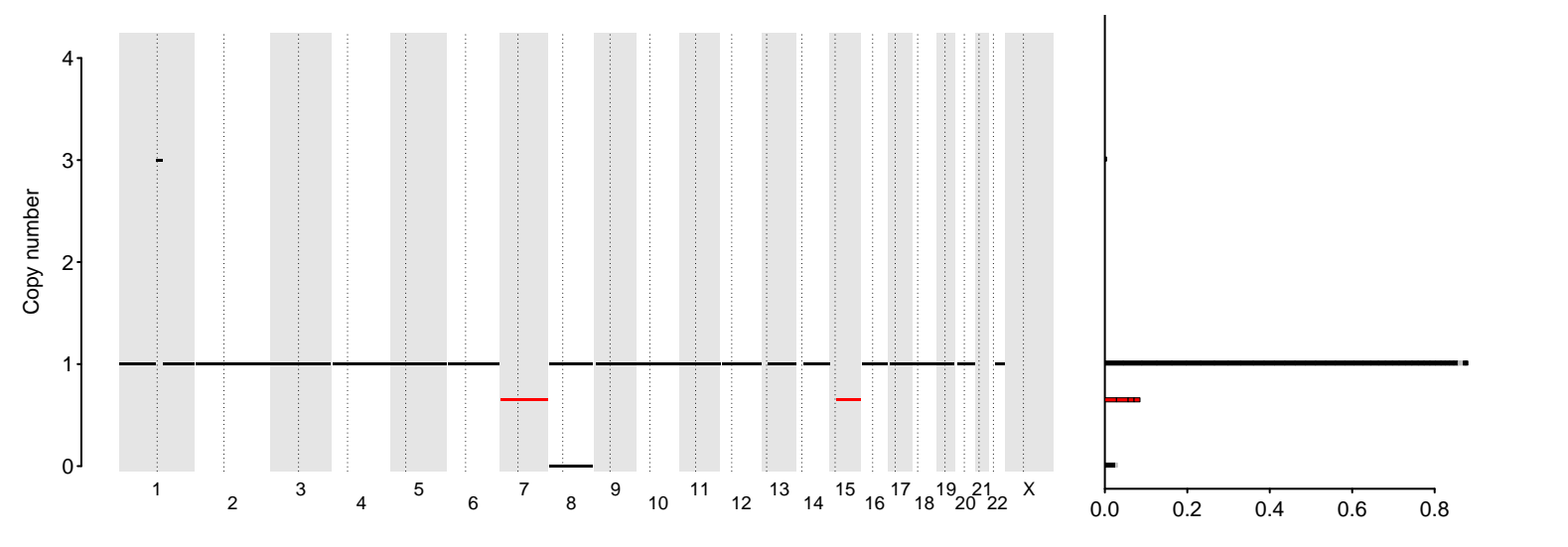
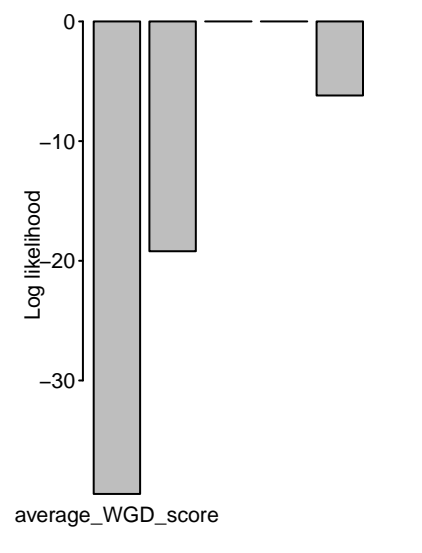
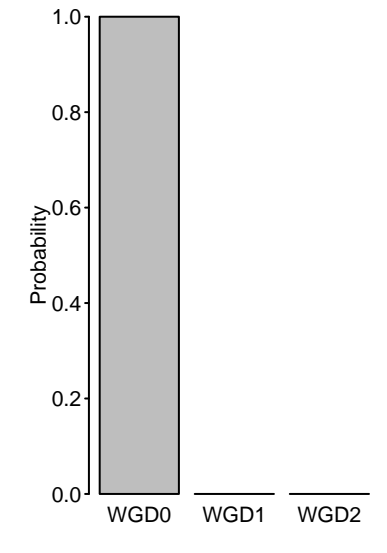
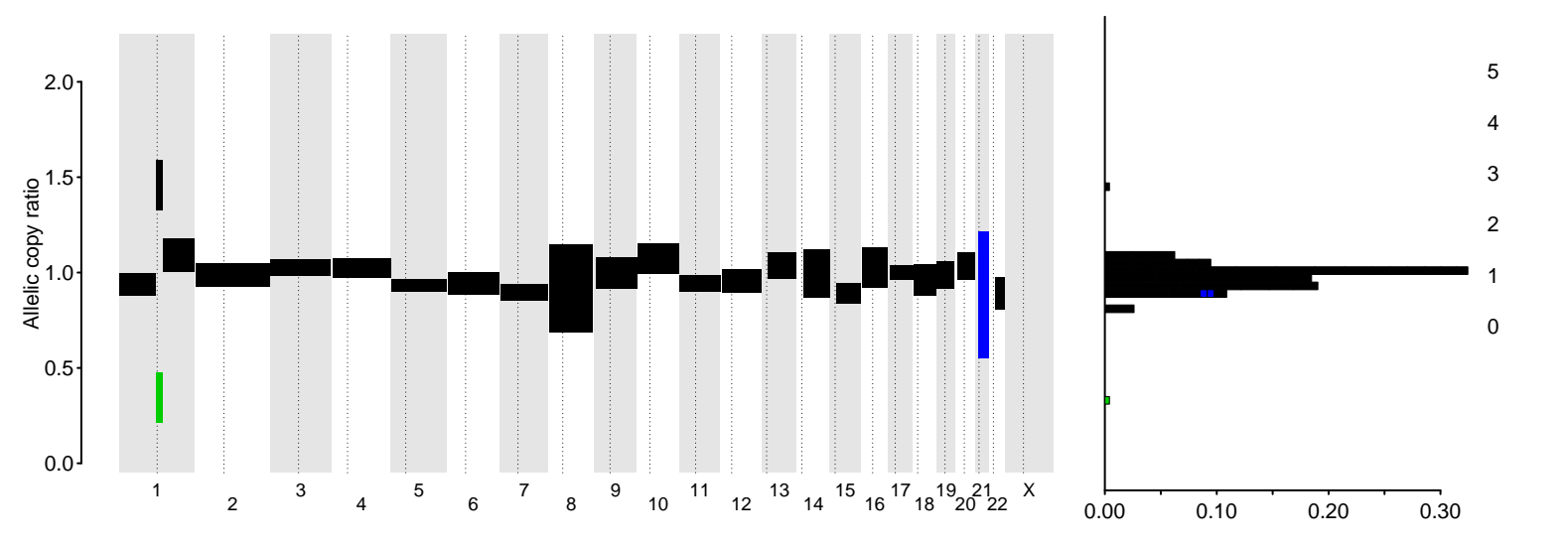
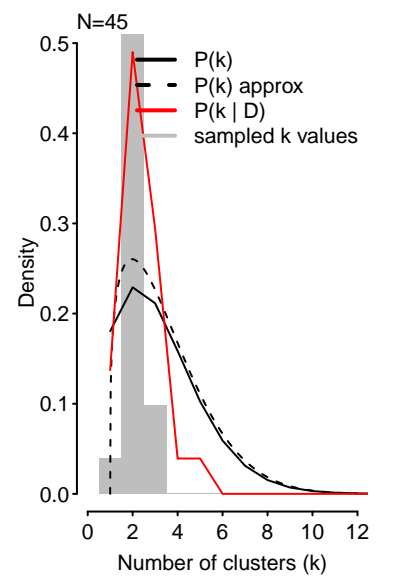
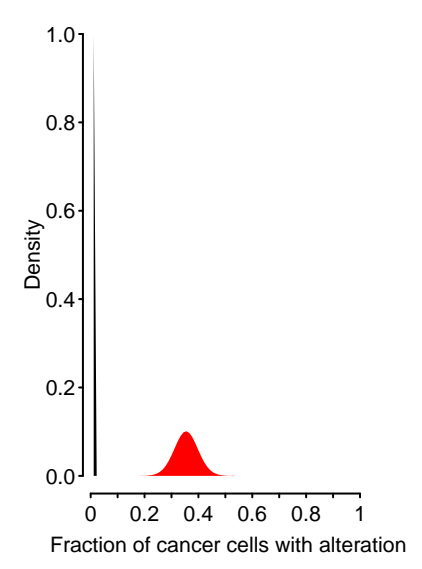
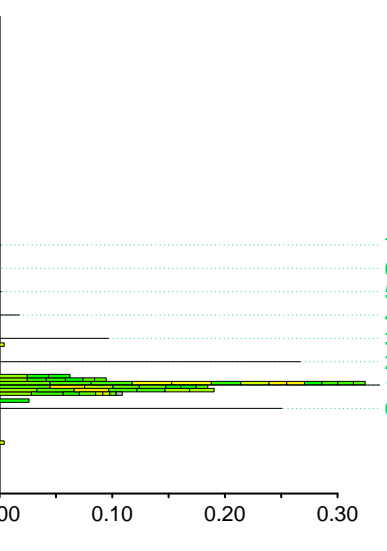
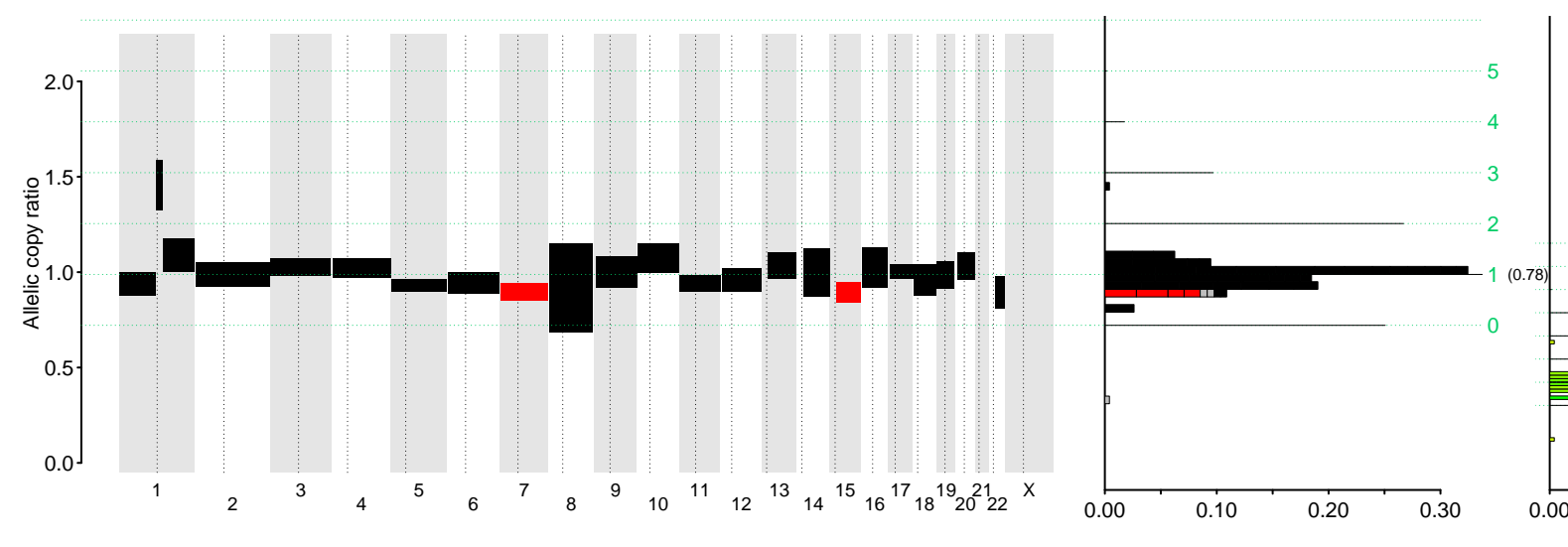
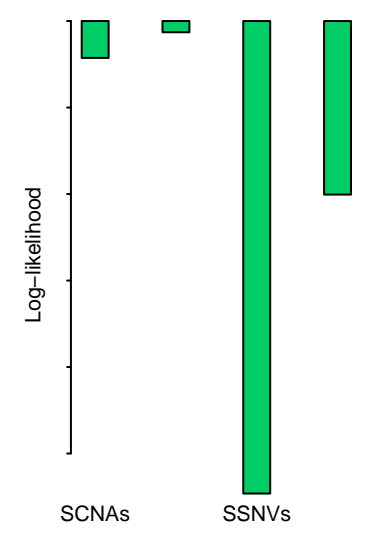
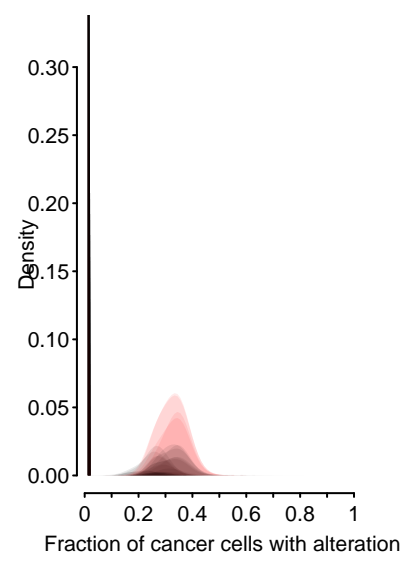
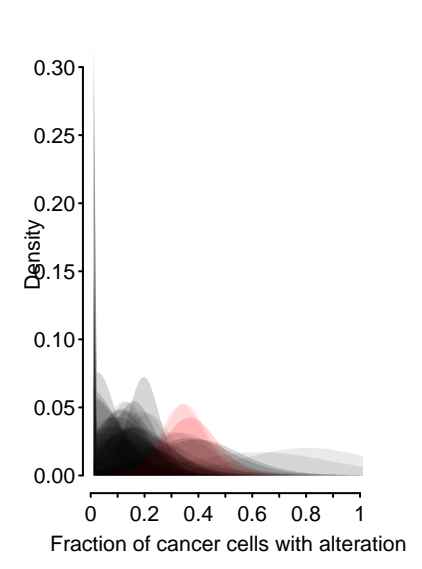
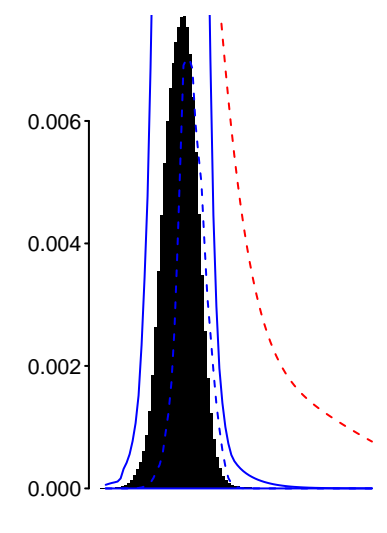
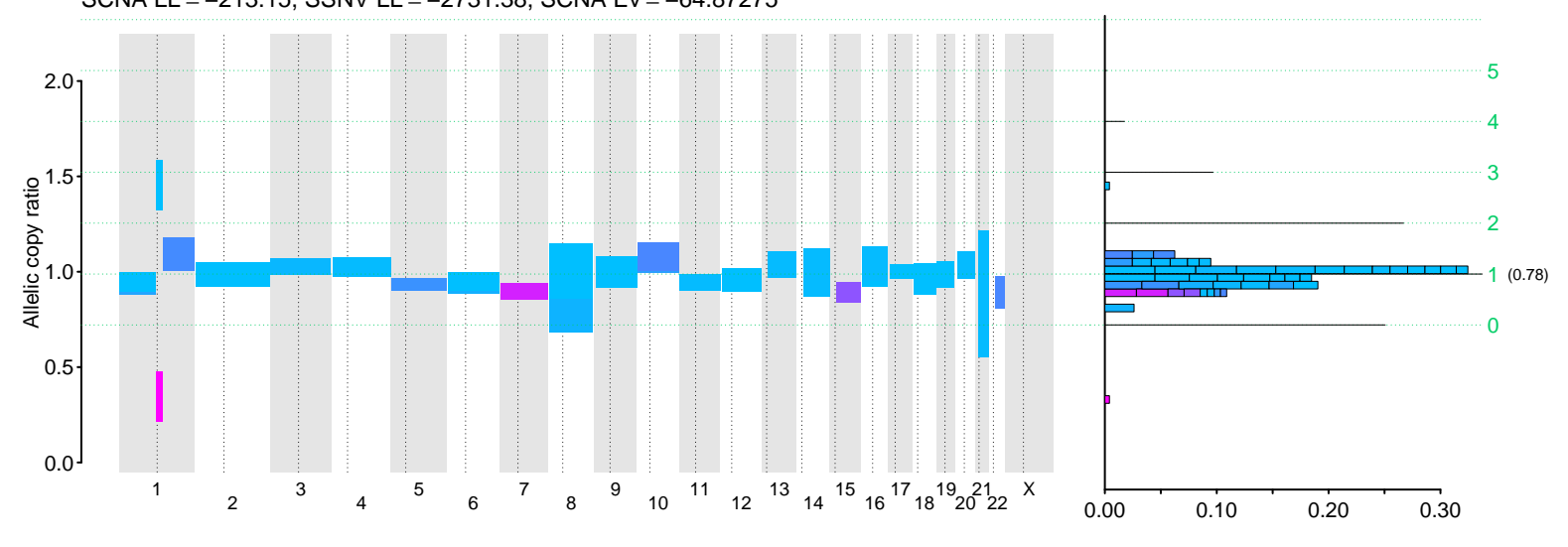
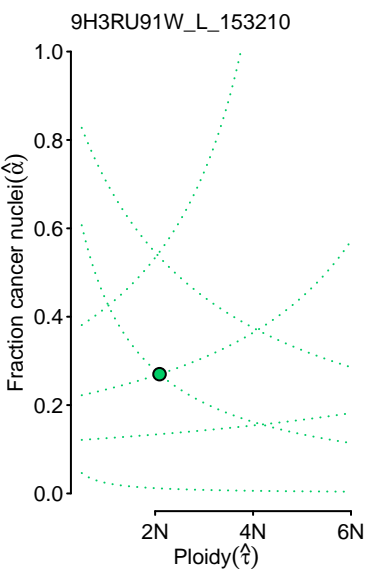




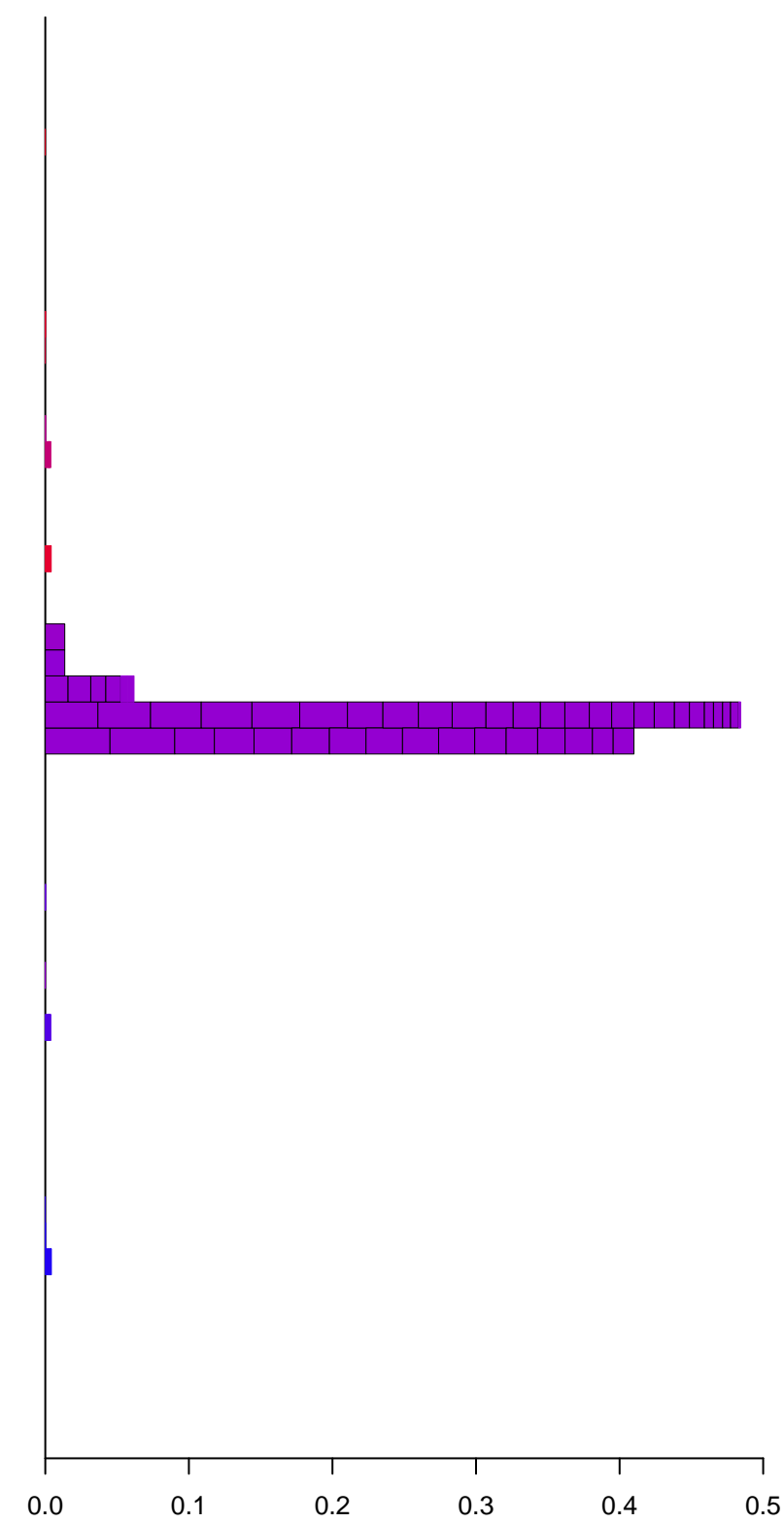
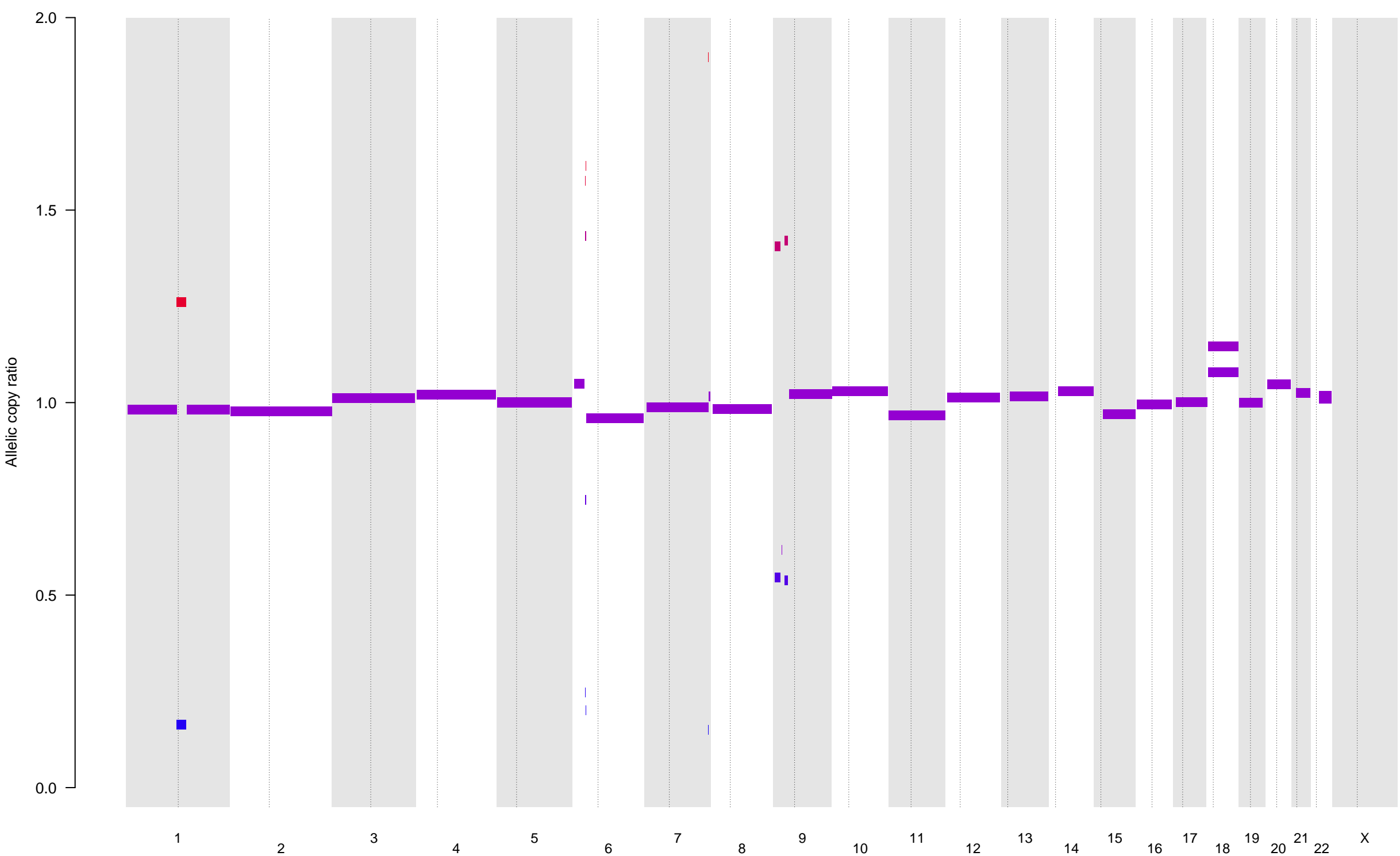
Sample 8



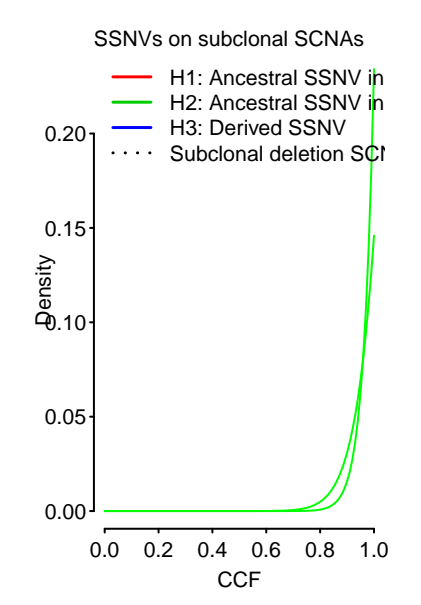
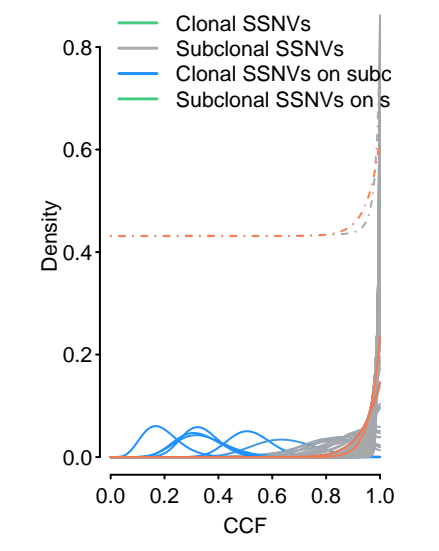
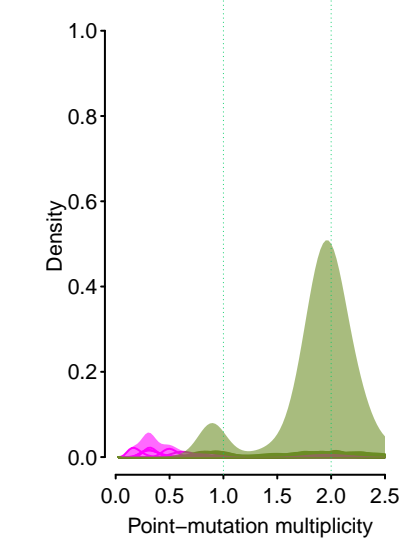
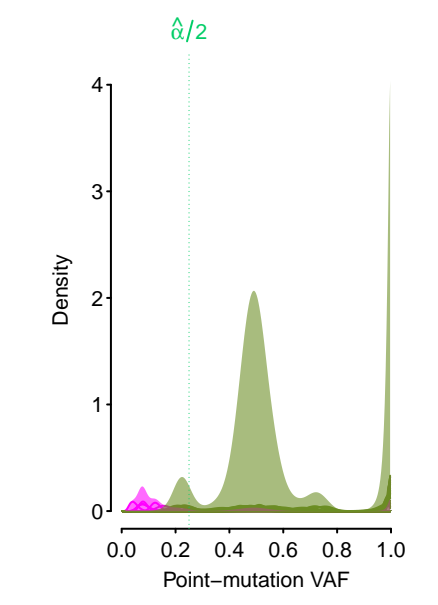
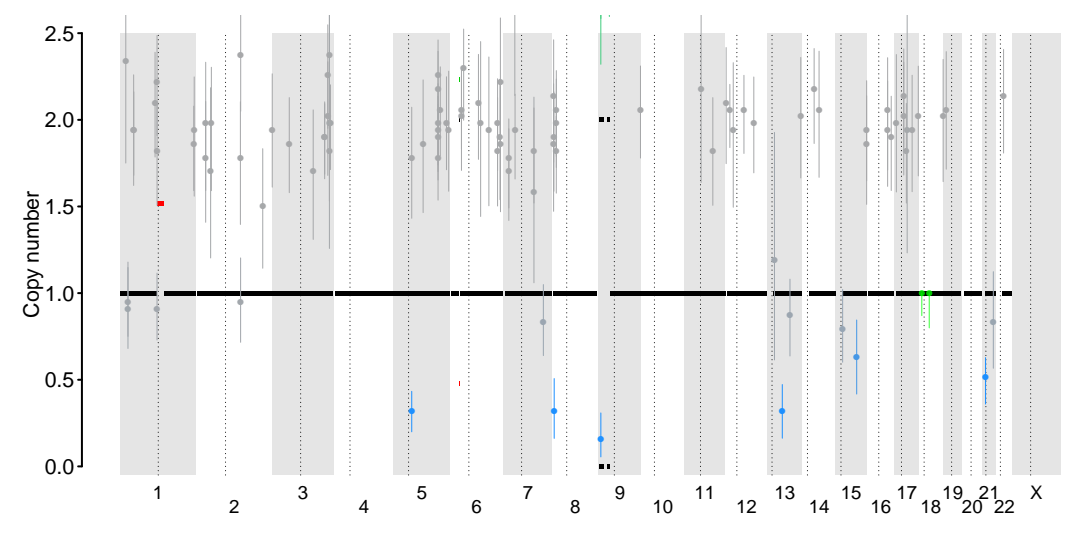
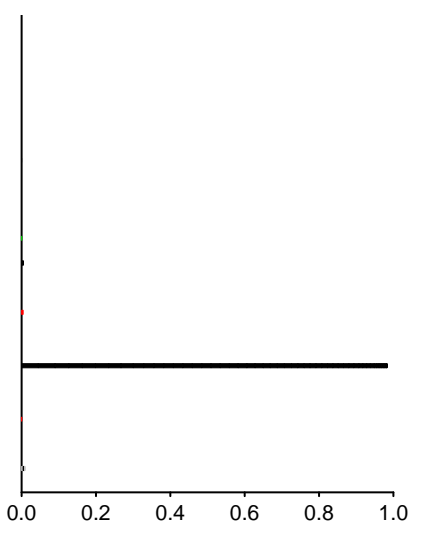
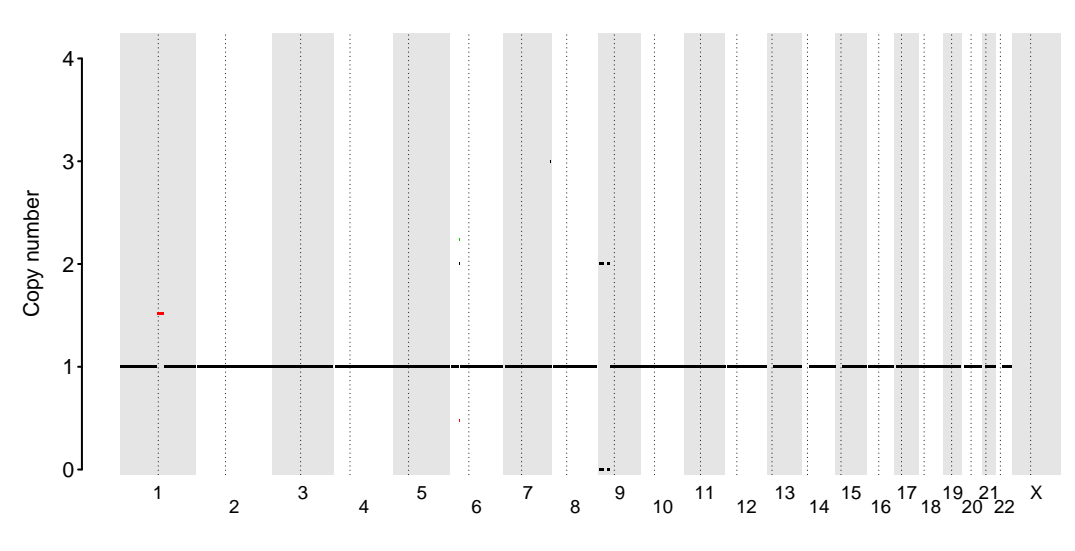
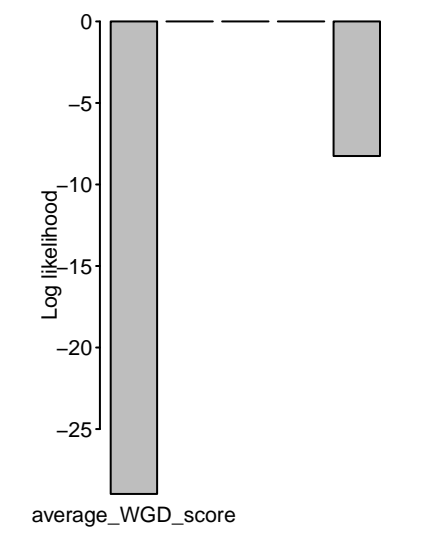
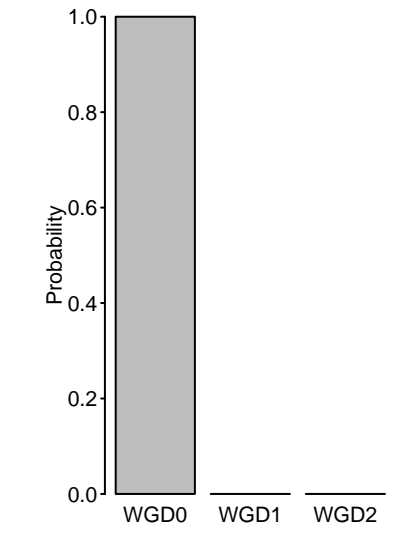
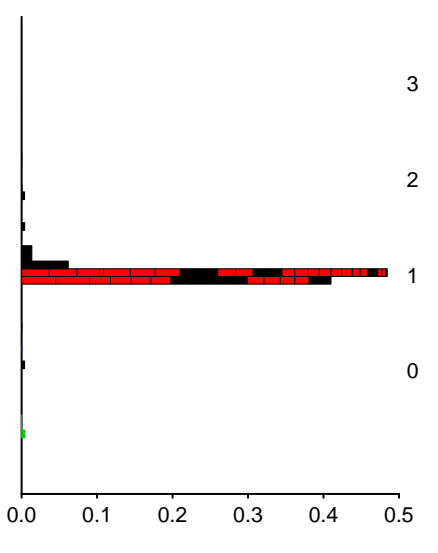
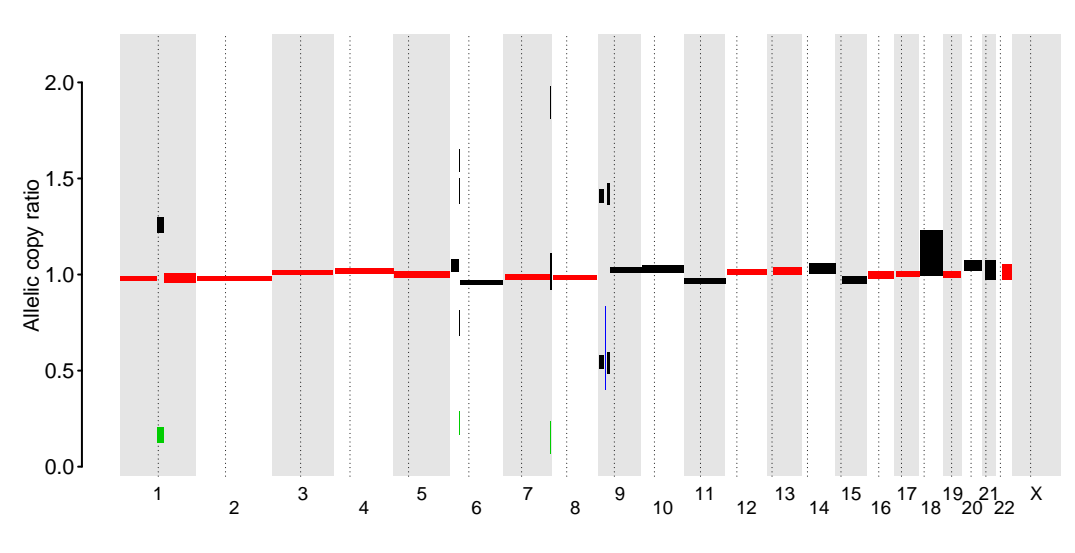
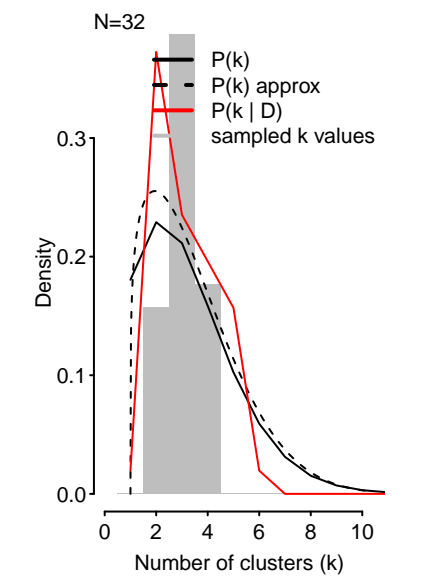
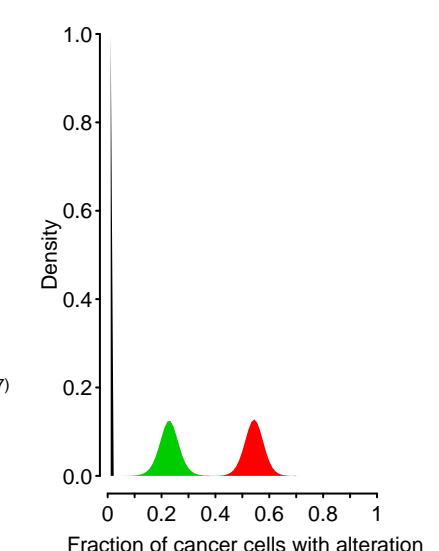
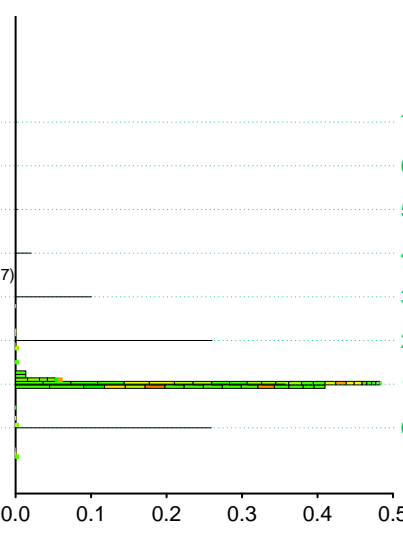
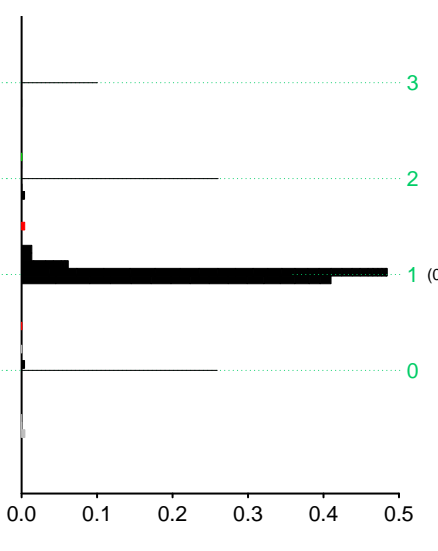
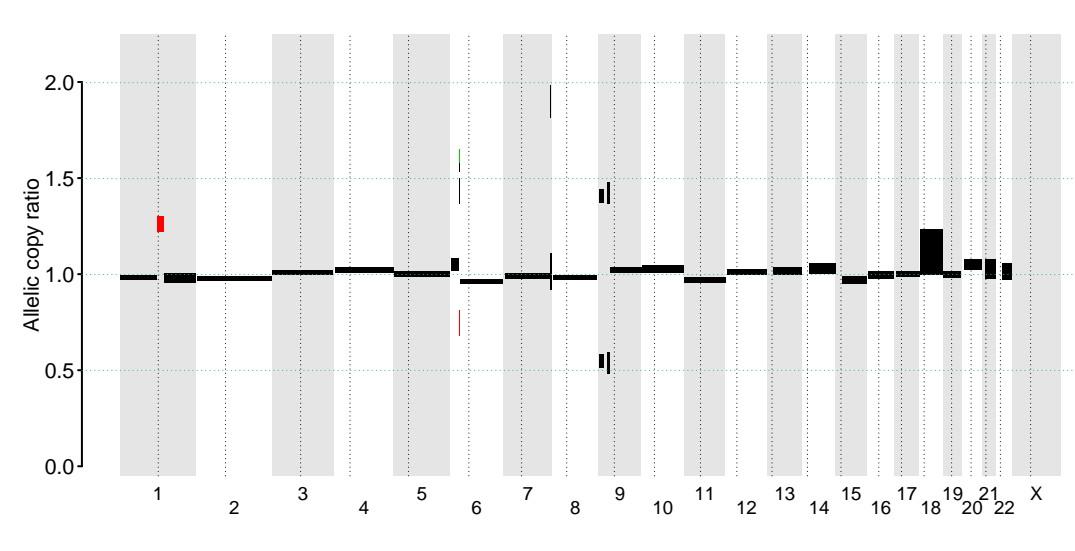
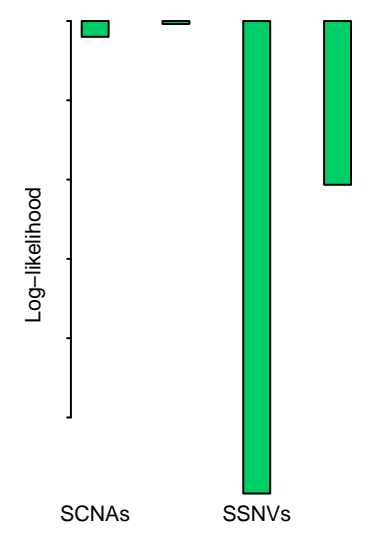
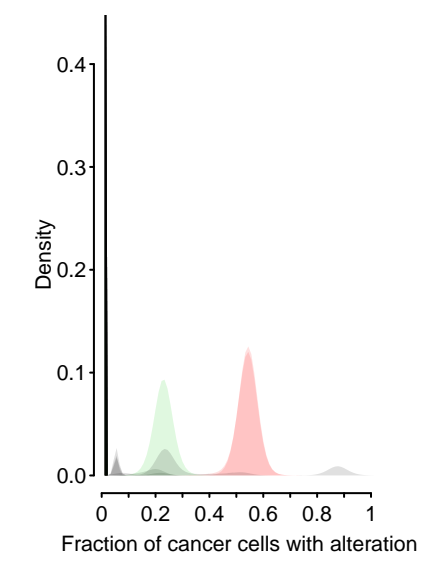
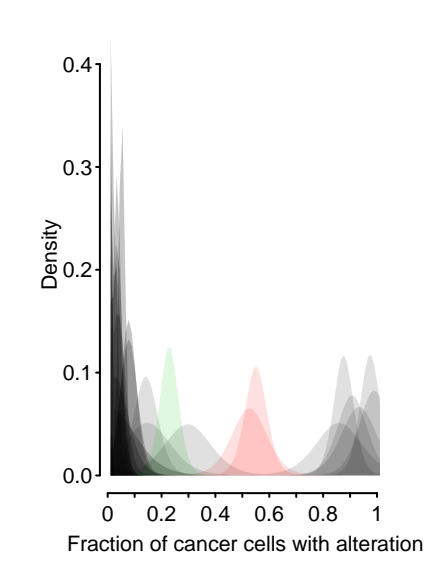
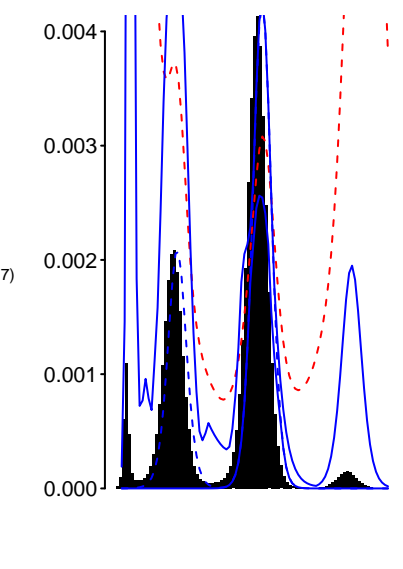
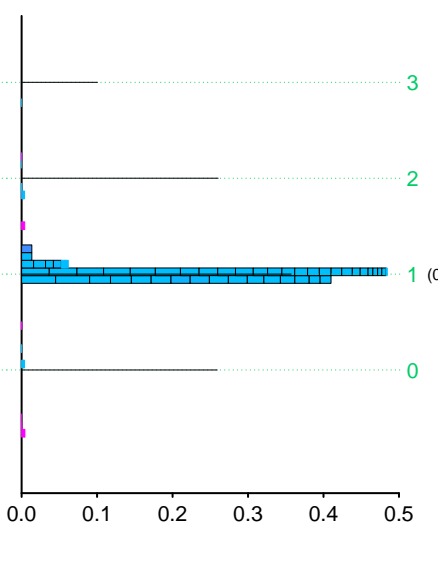
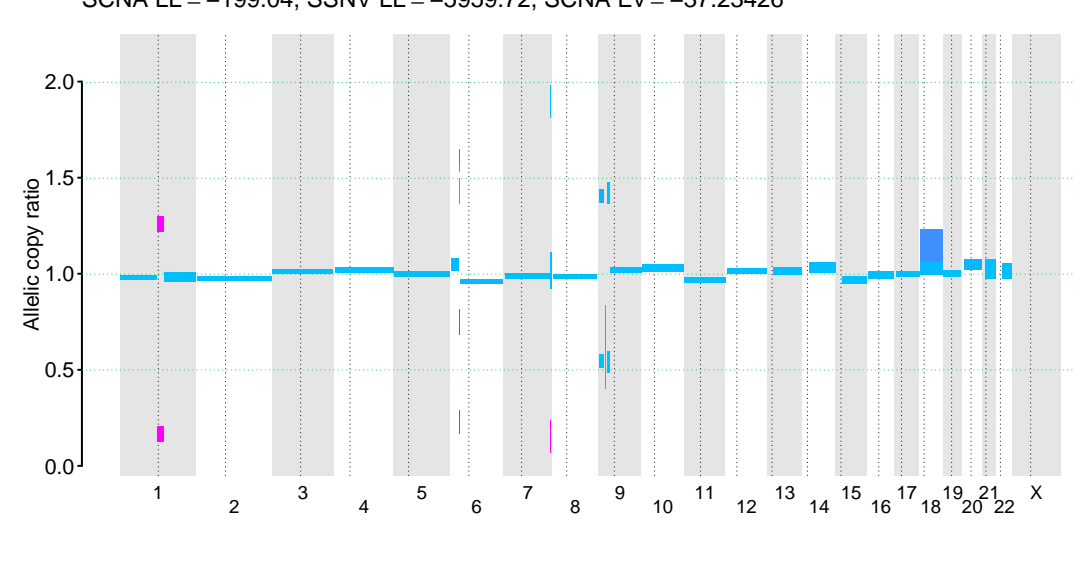
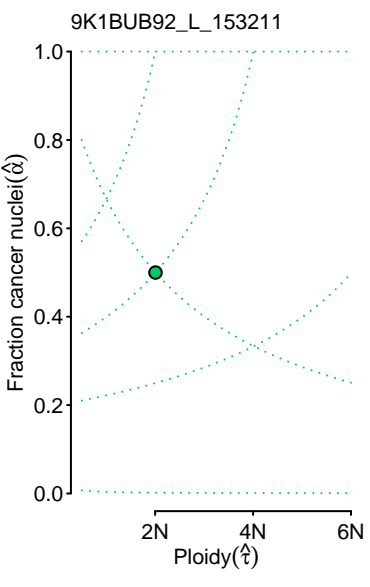
$\hat{\alpha} = 0.27$, ploidy: $\hat{\tau} = 2.09$, $\hat{\tau}_g = 1.97$
 $\theta_z = 0.12$, $\theta_G = 1.197$, WGD=0
 SCNA LL = -213.15, SSNV LL = -2731.38, SCNA Ev = -64.87275



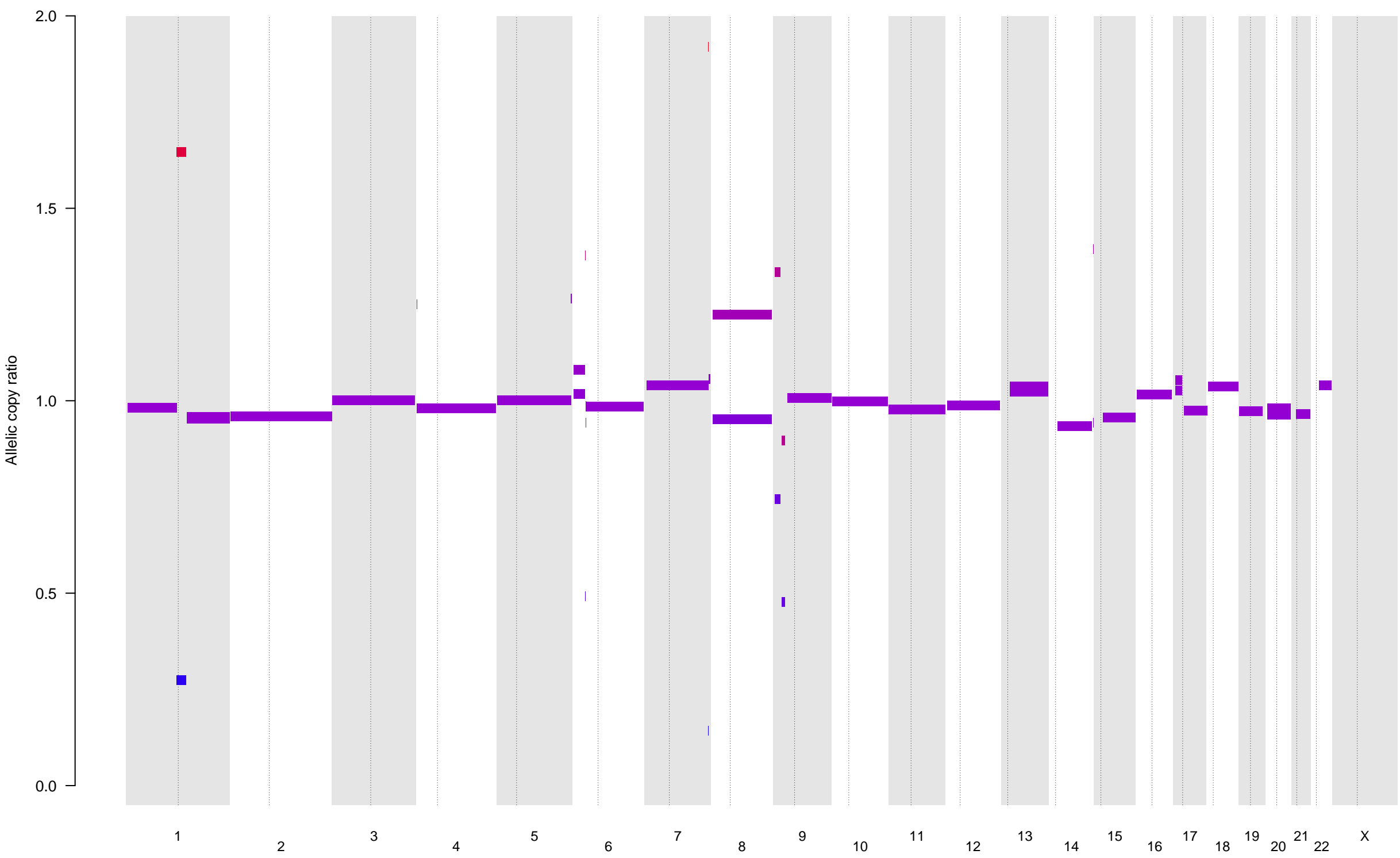
Sample 9



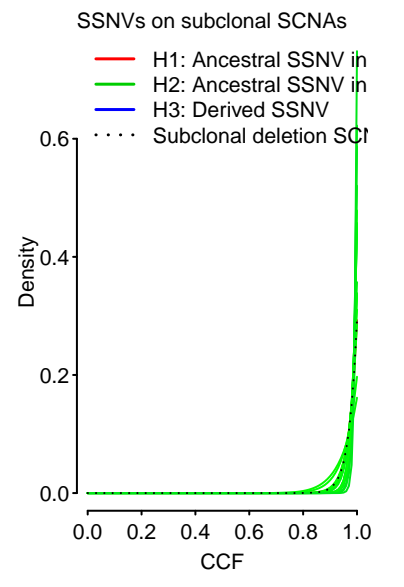
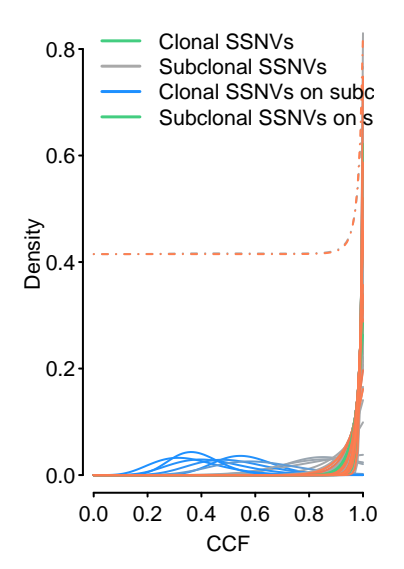
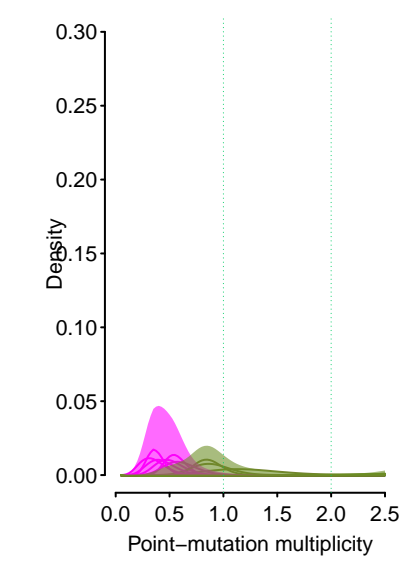
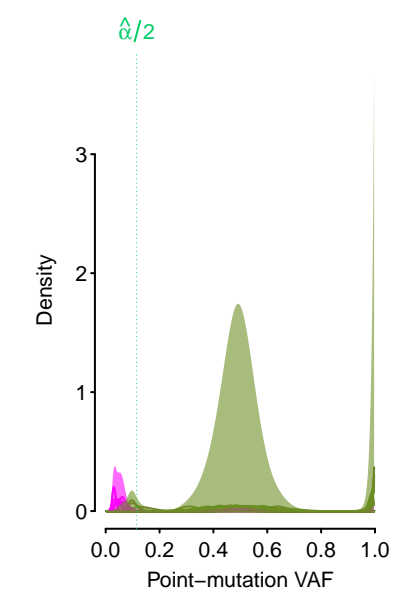
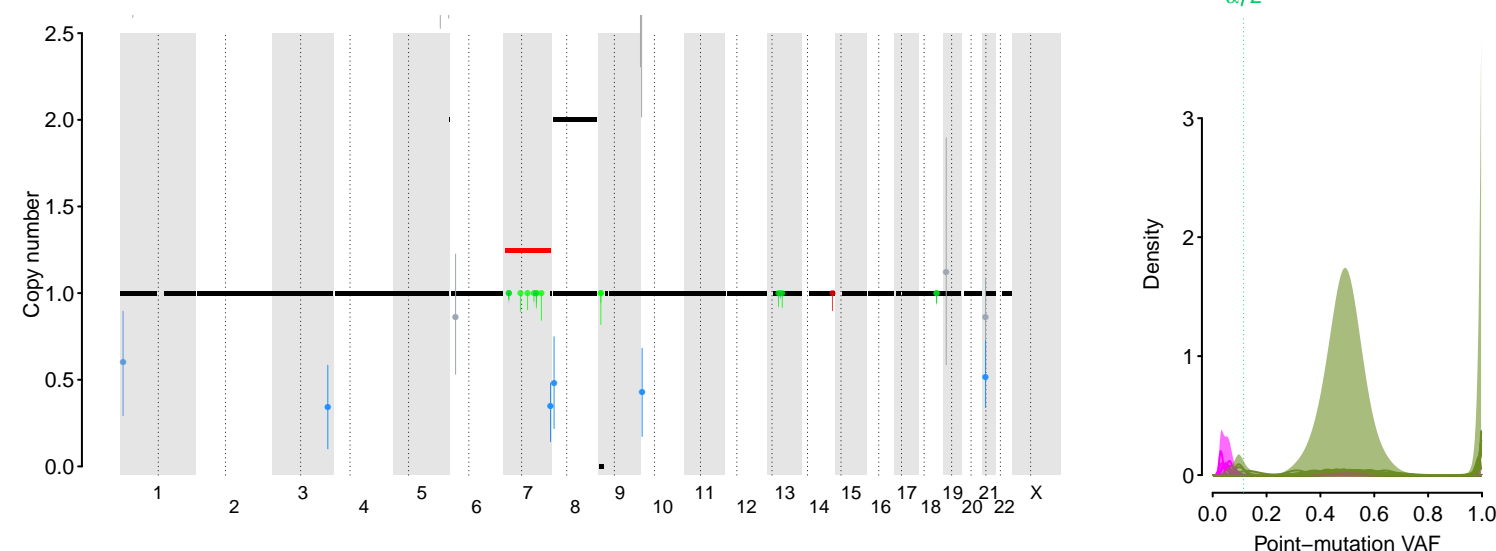
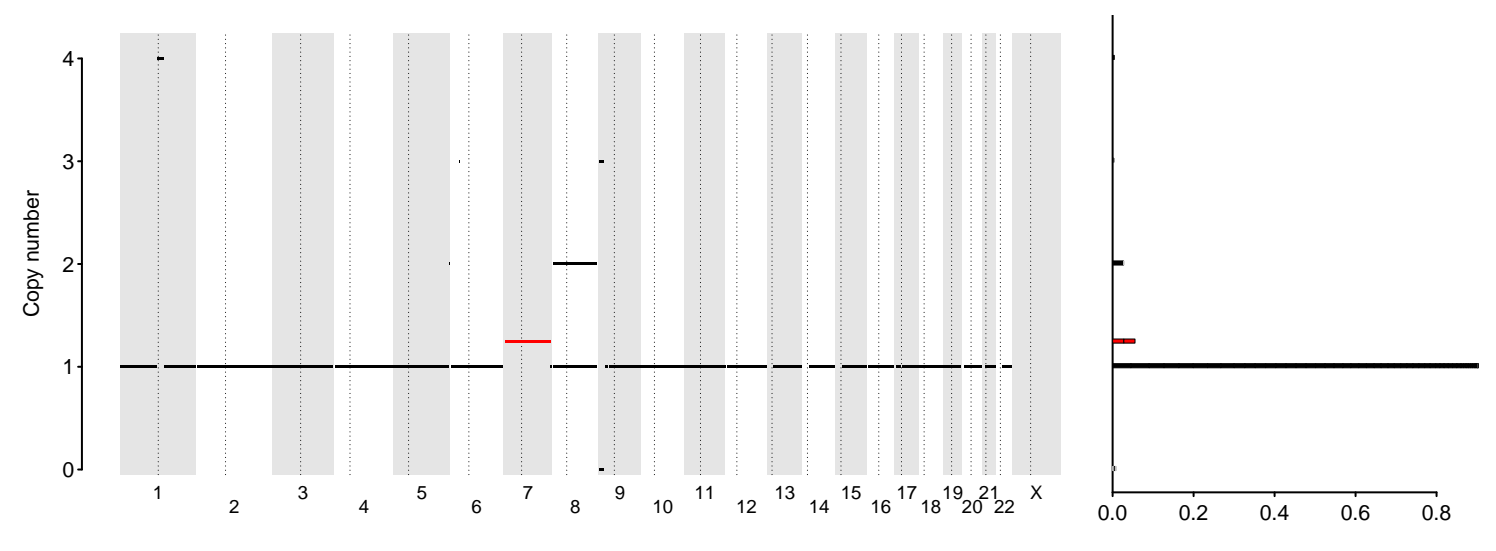
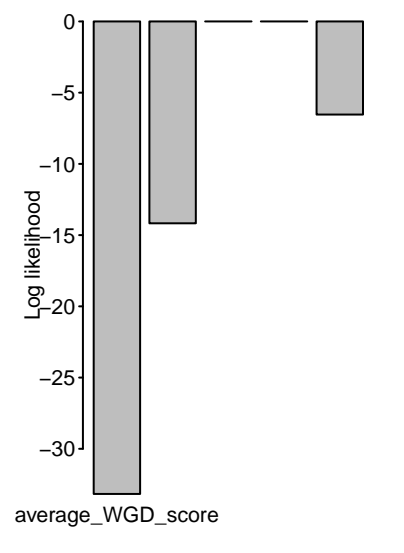
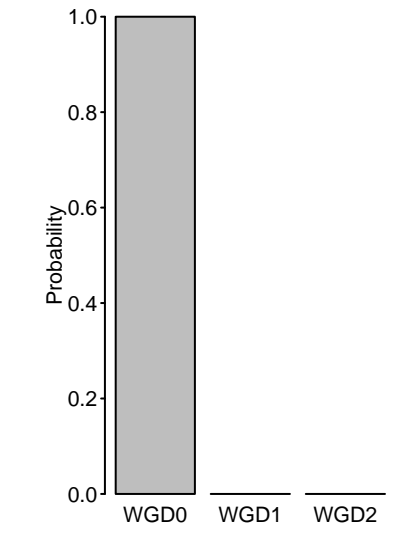
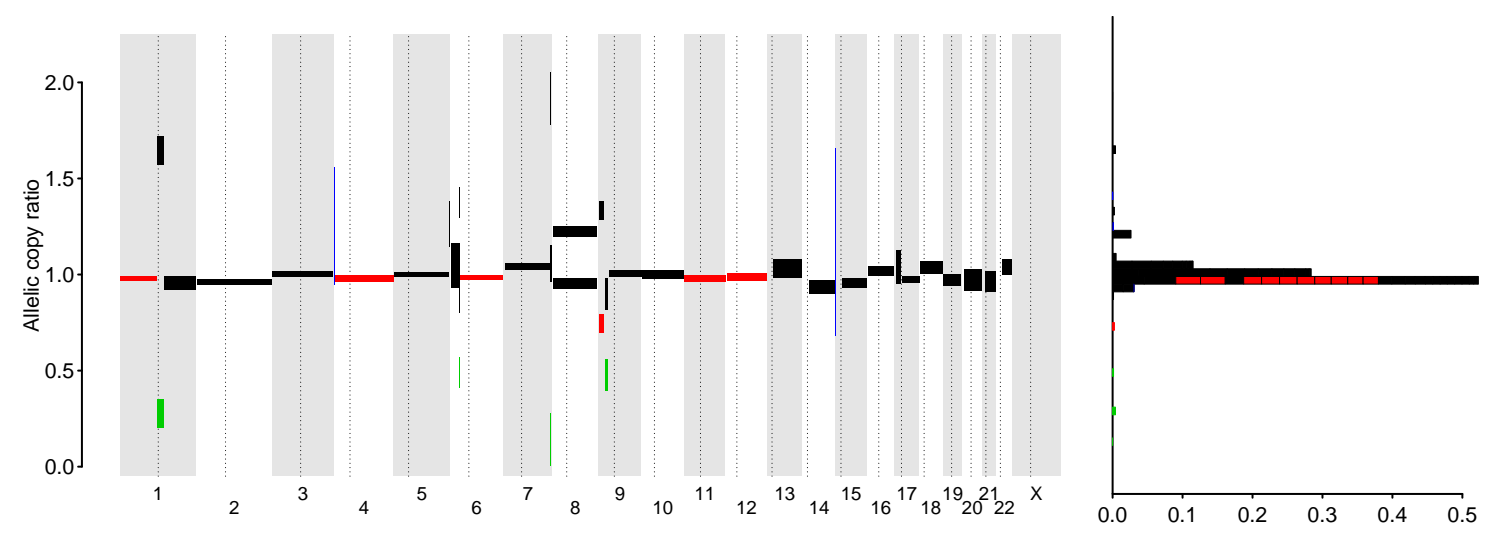
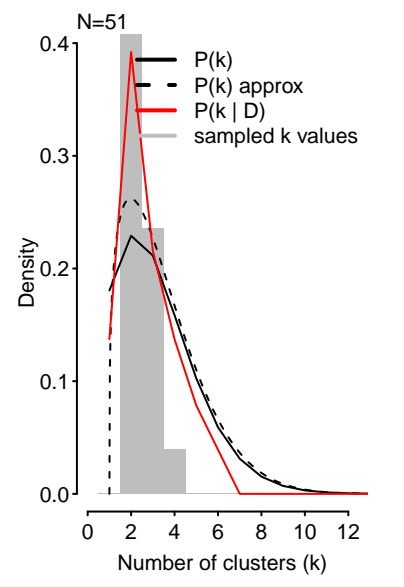
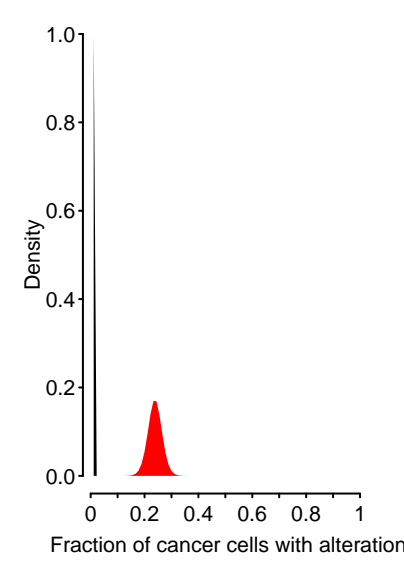
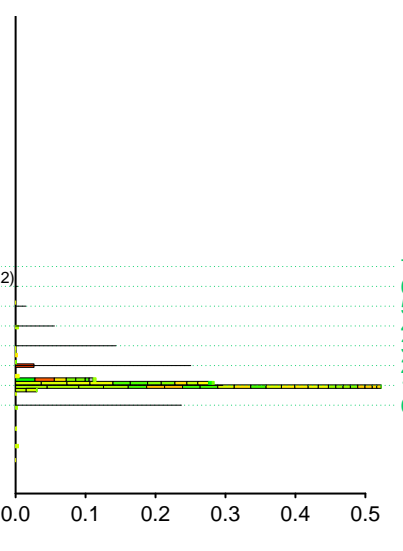
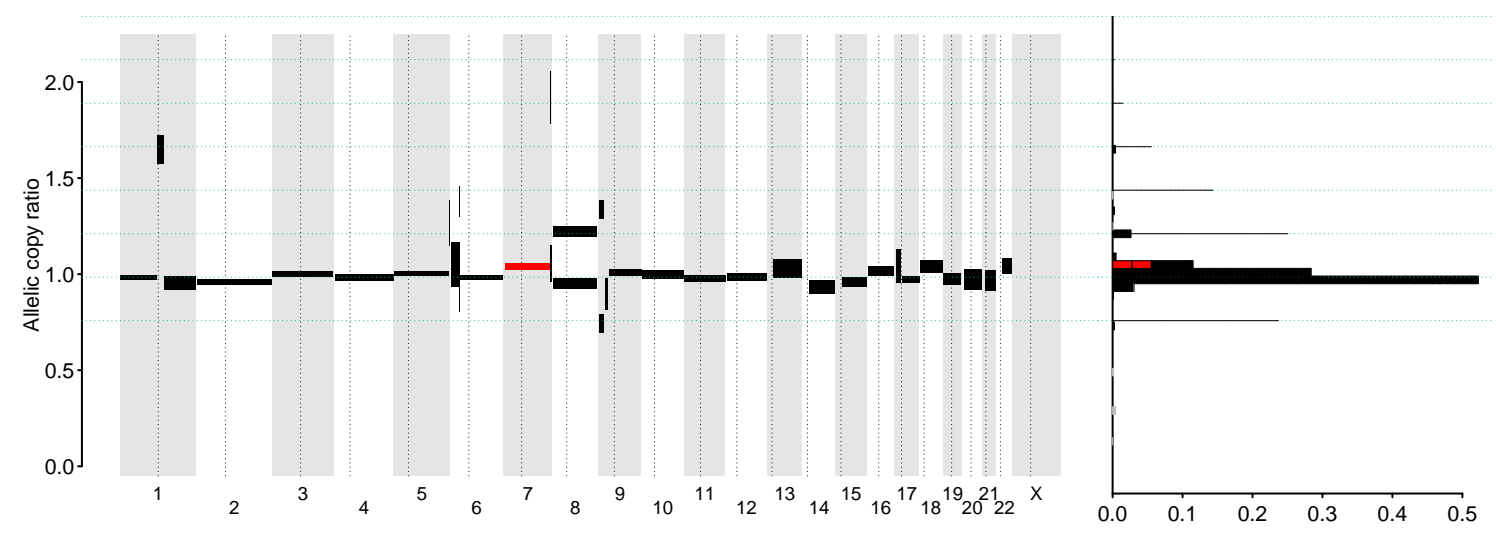
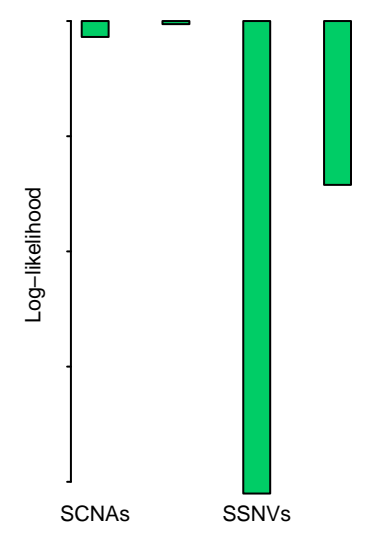
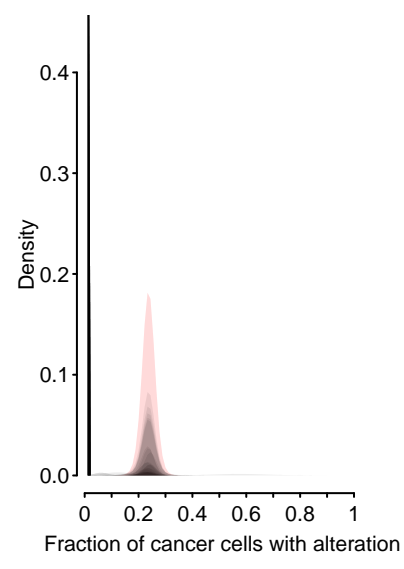
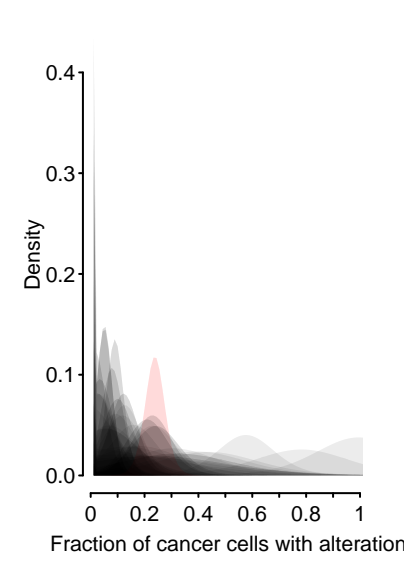
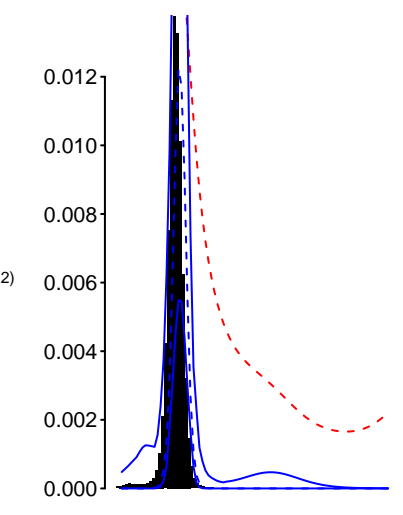
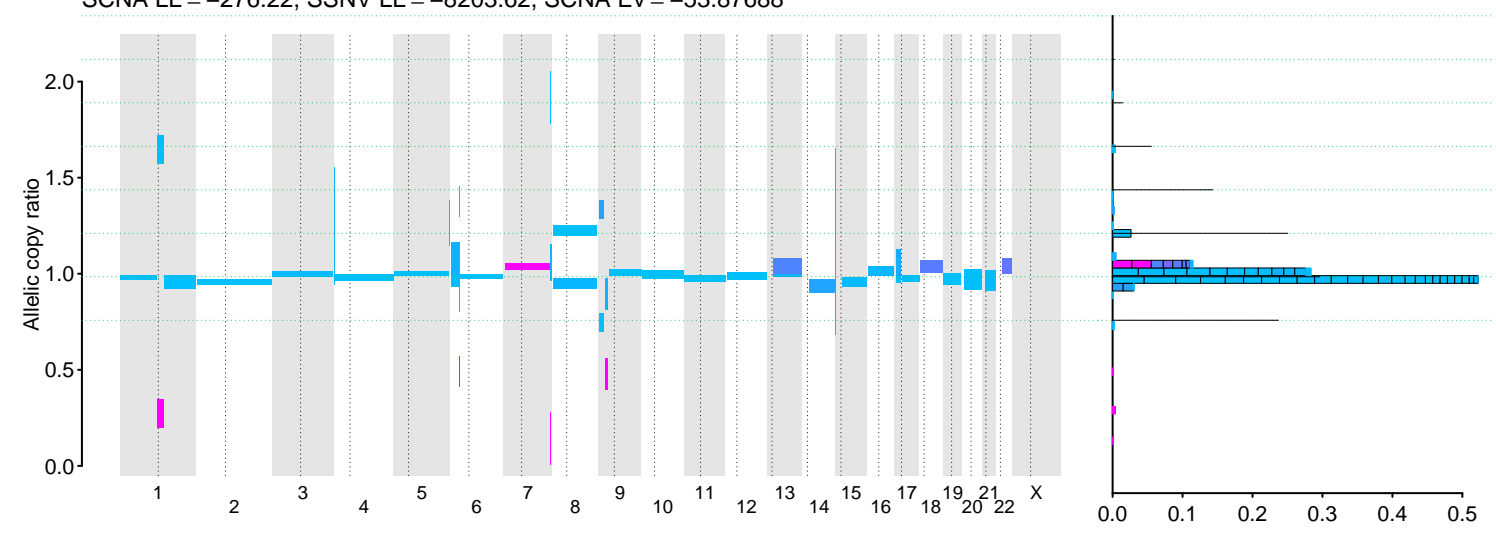
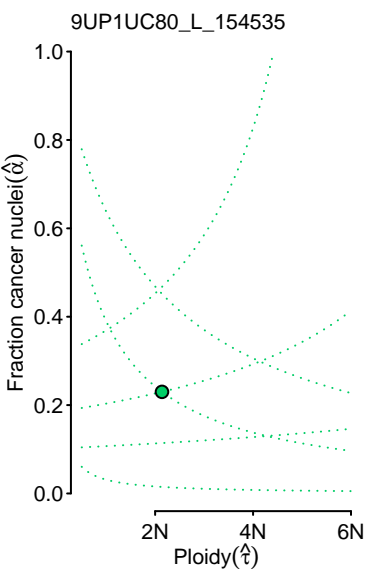
$\hat{\alpha} = 0.5$, ploidy: $\hat{t} = 2.01$, $\hat{t}_g = 2$
 $\hat{\theta}_z = 0.02$, $\hat{\theta}_Q = 1.253$, WGD=0
 SCNA LL = -199.04, SSNV LL = -5959.72, SCNA Ev = -37.23426



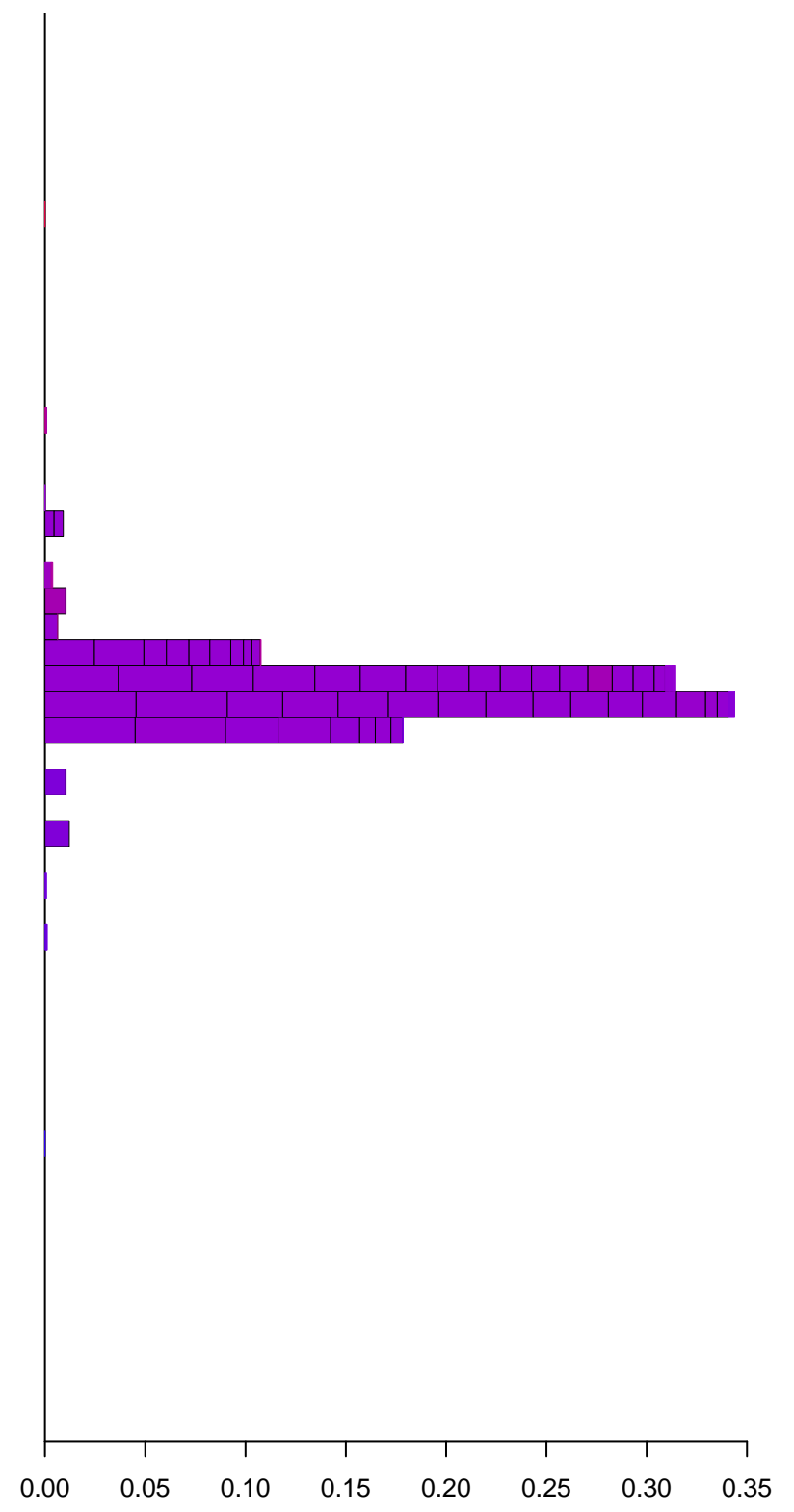
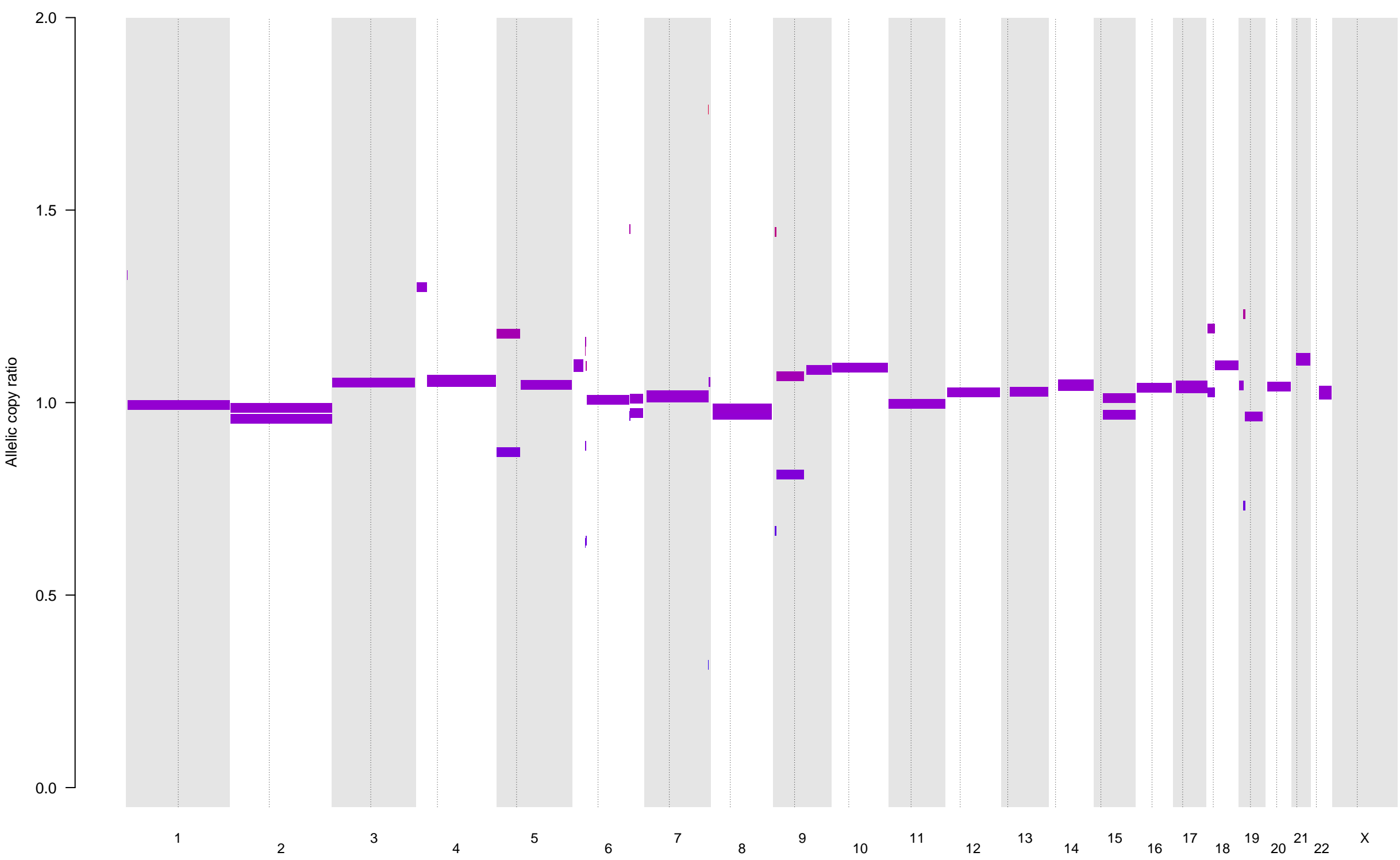
Sample 10



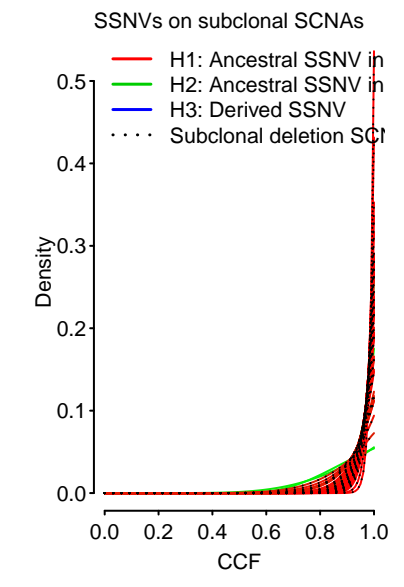
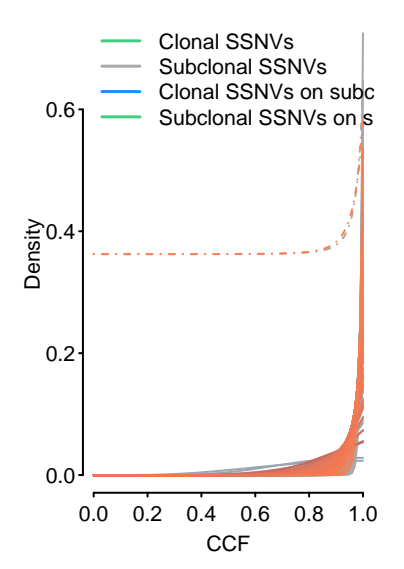
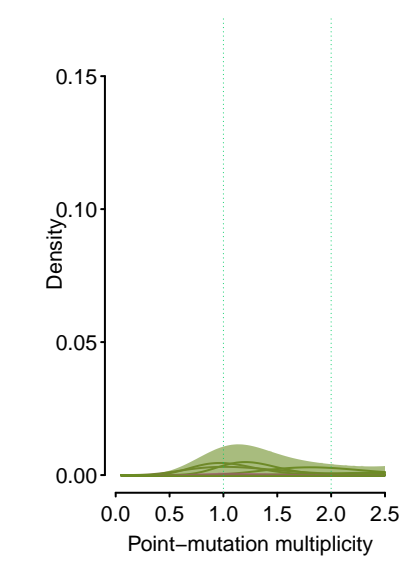
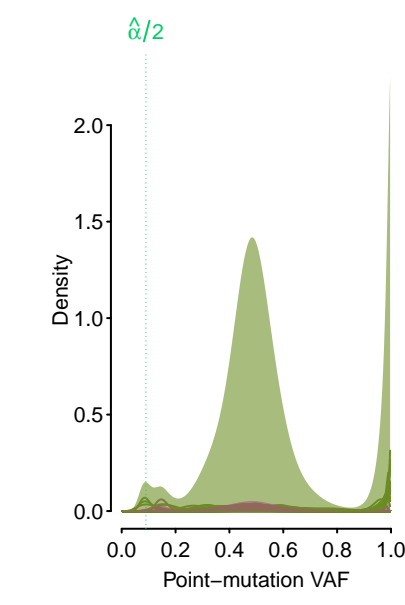
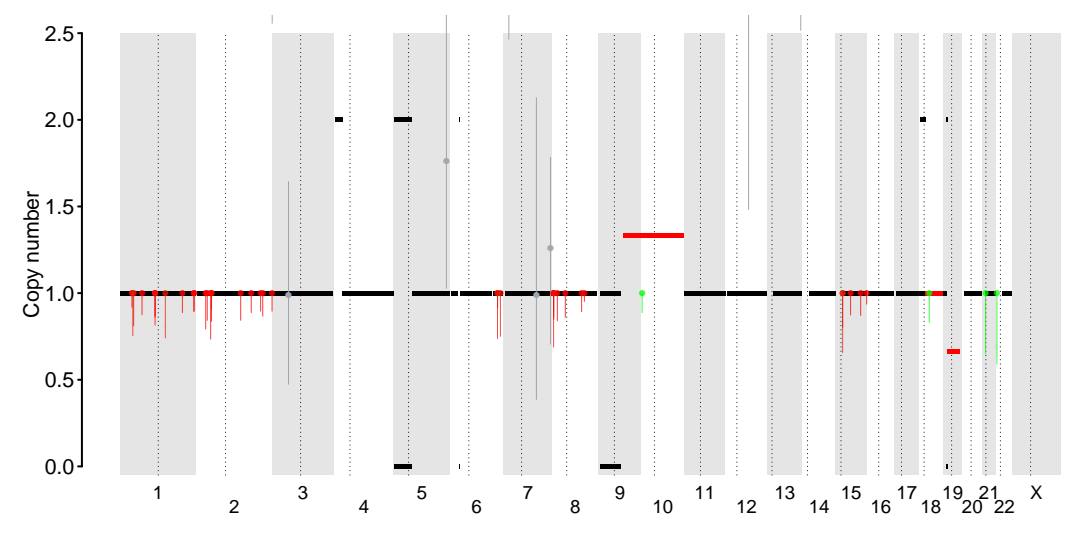
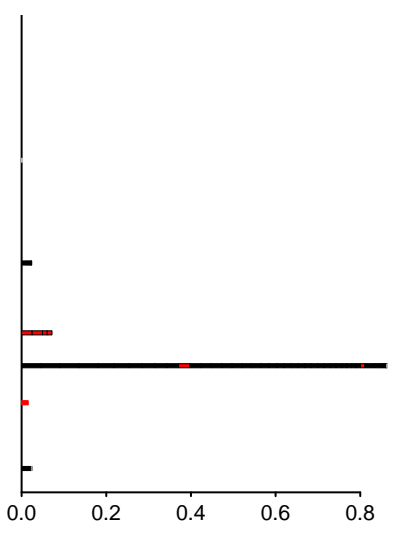
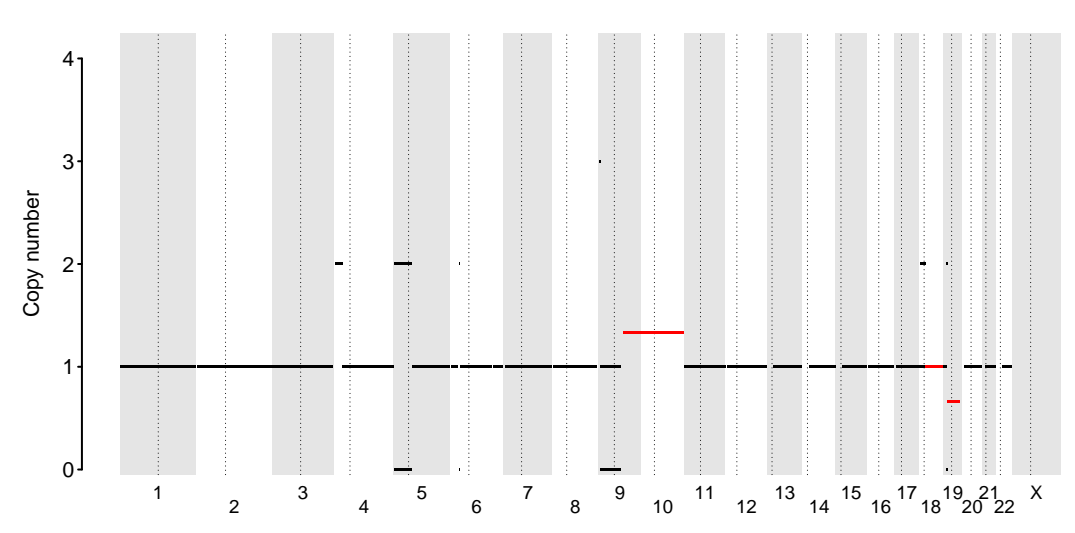
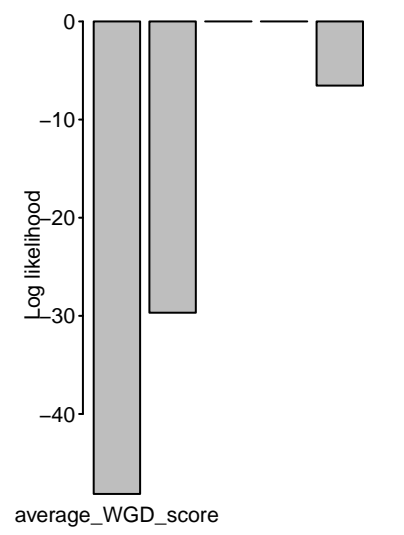
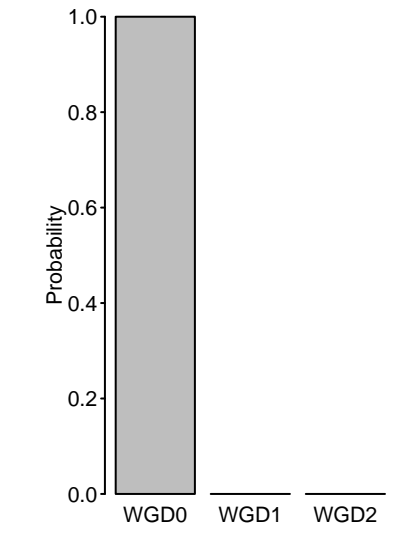
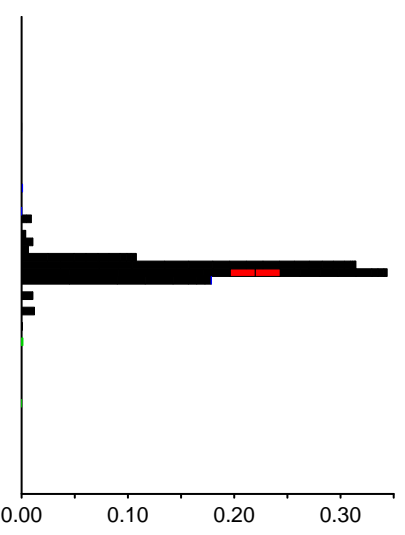
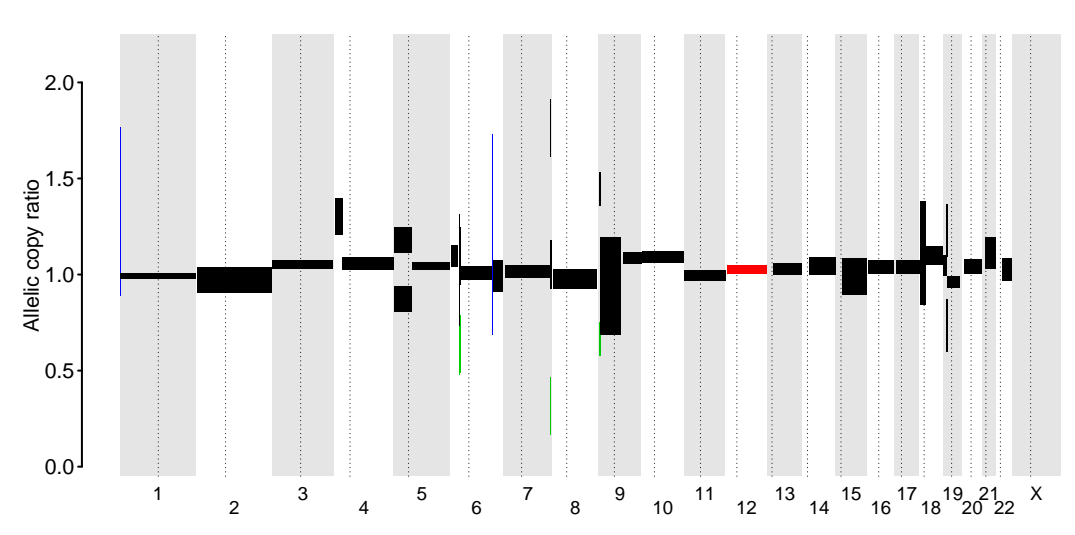
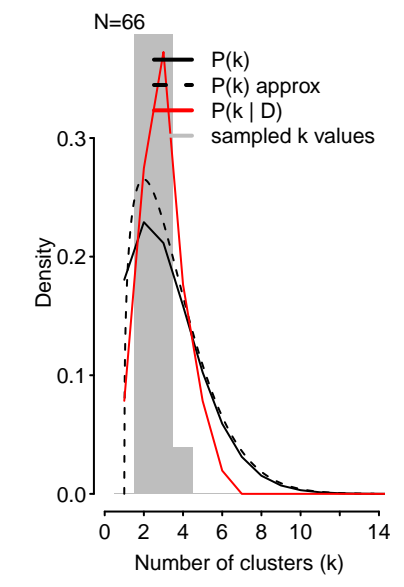
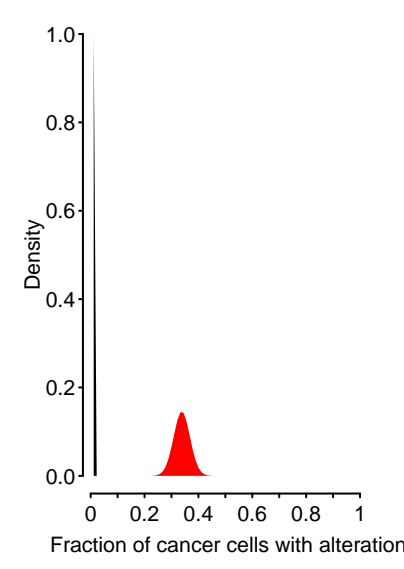
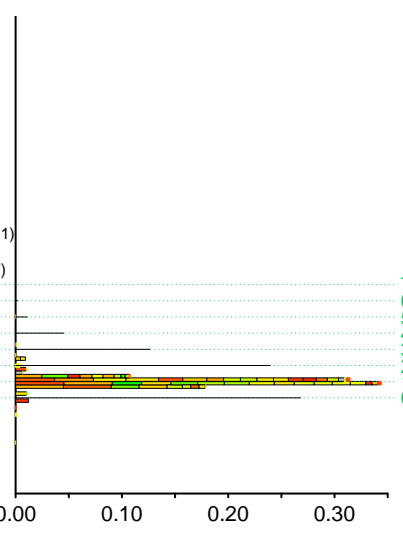
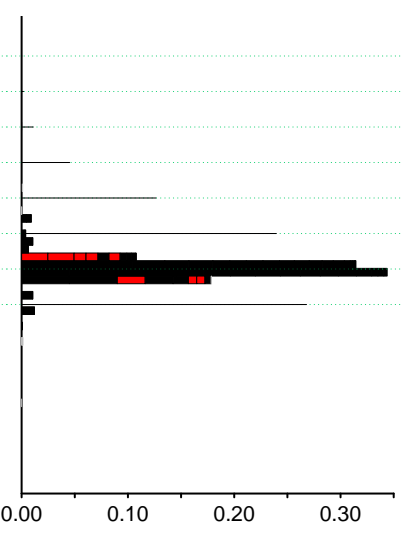
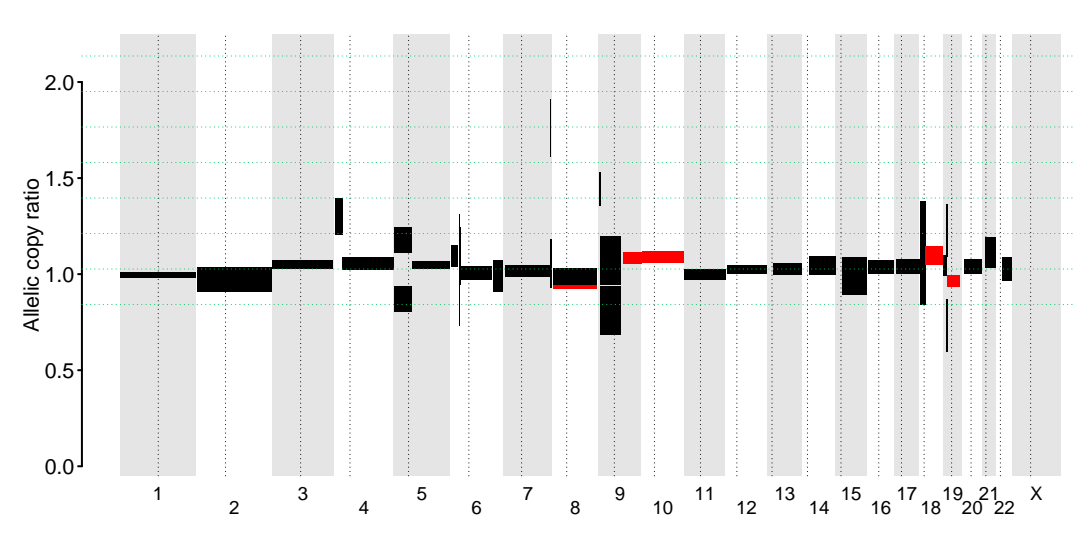
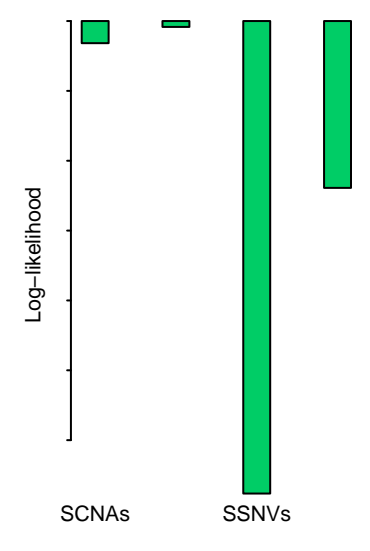
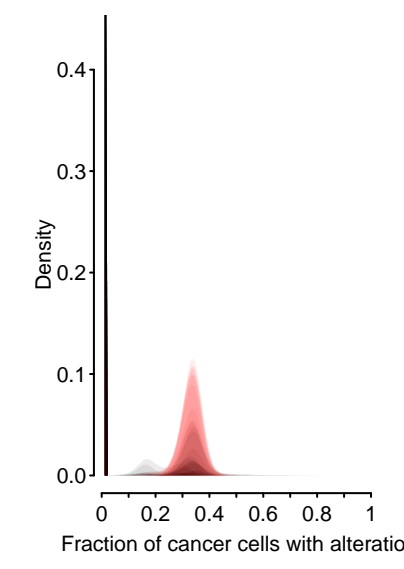
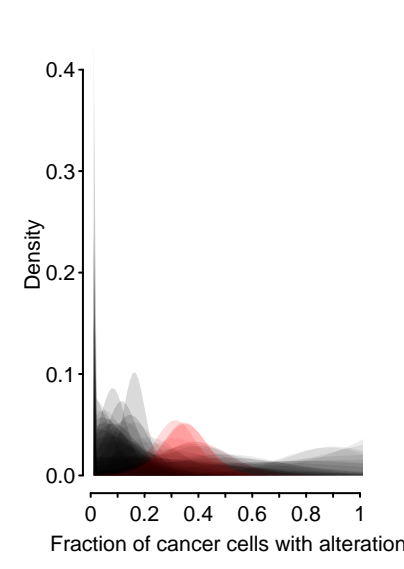
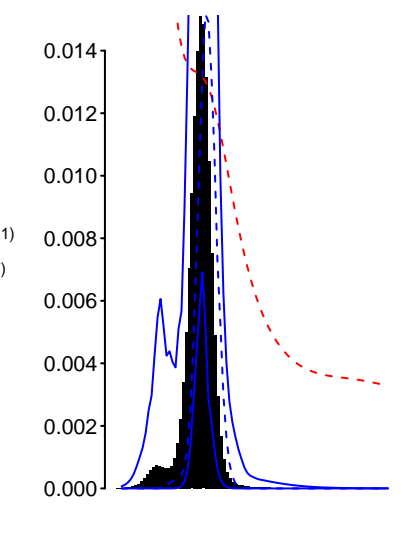
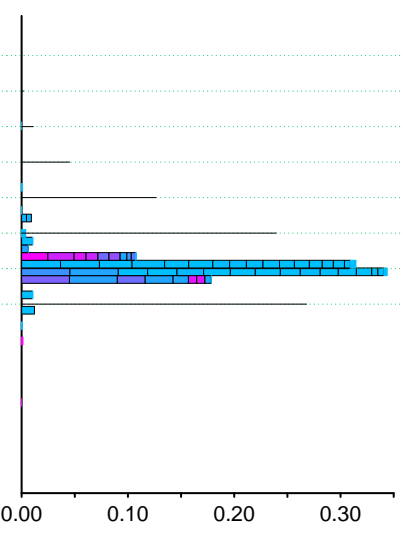
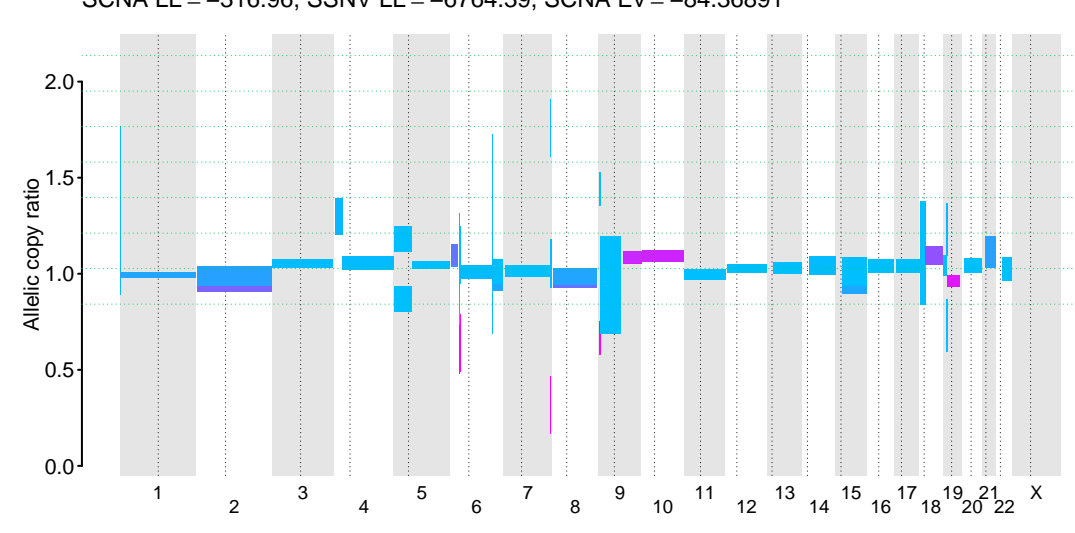
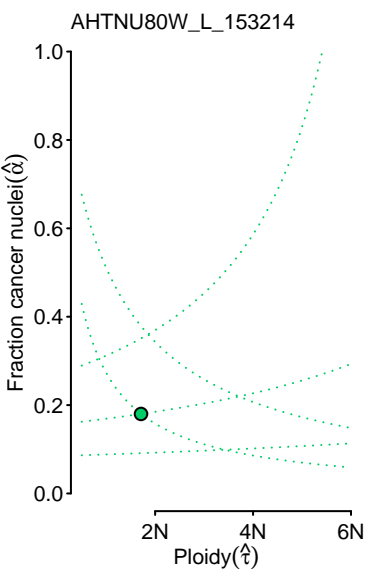
$\hat{p}_x = 0.23$, ploidy: $\hat{t} = 2.14$, $\hat{t}_g = 2.07$
 $\hat{\theta}_z = 0.09$, $\hat{\theta}_a = 1.601$, WGD=0
 SCNA LL = -276.22, SSNV LL = -8203.62, SCNA Ev = -53.87688



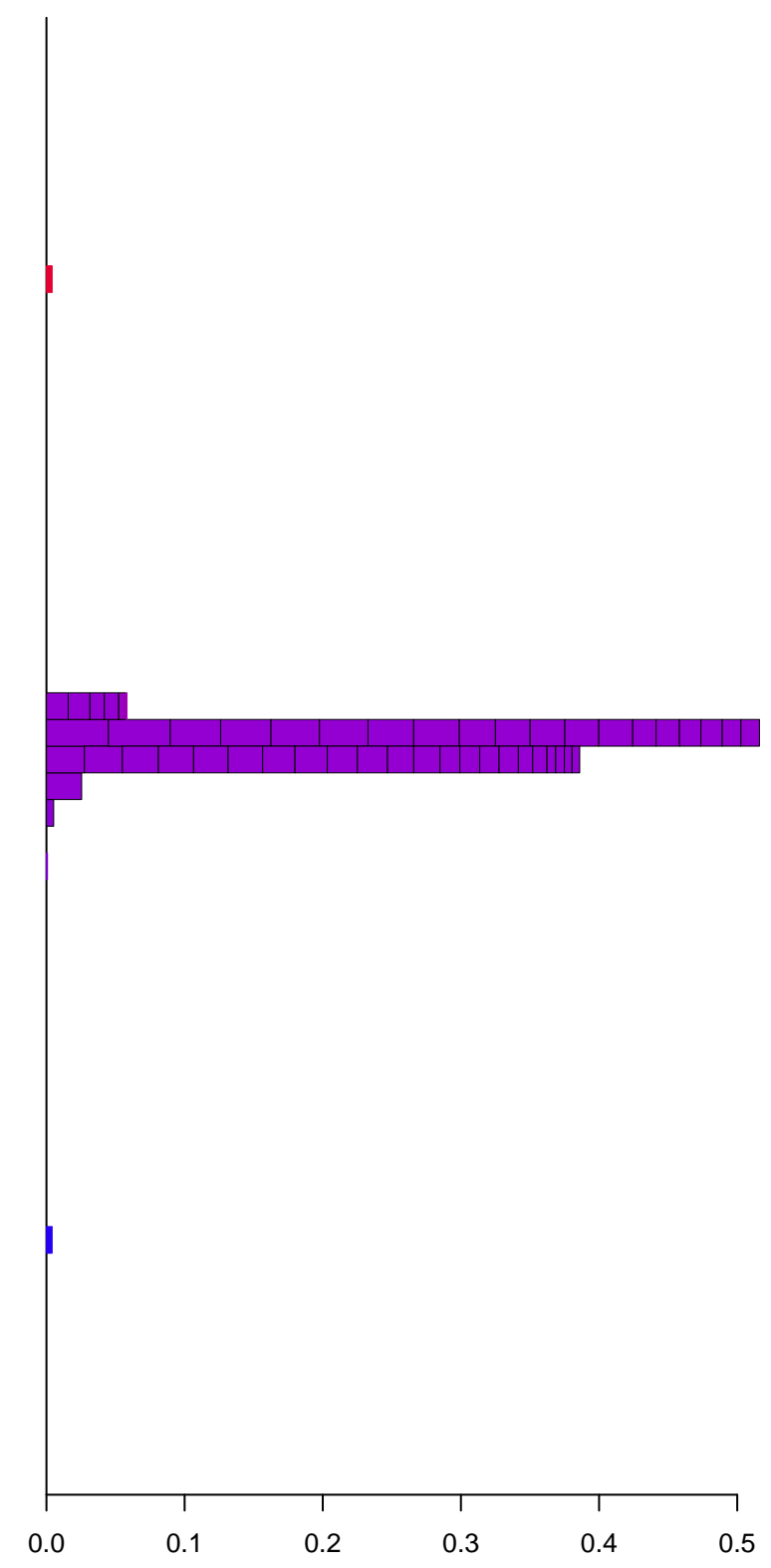
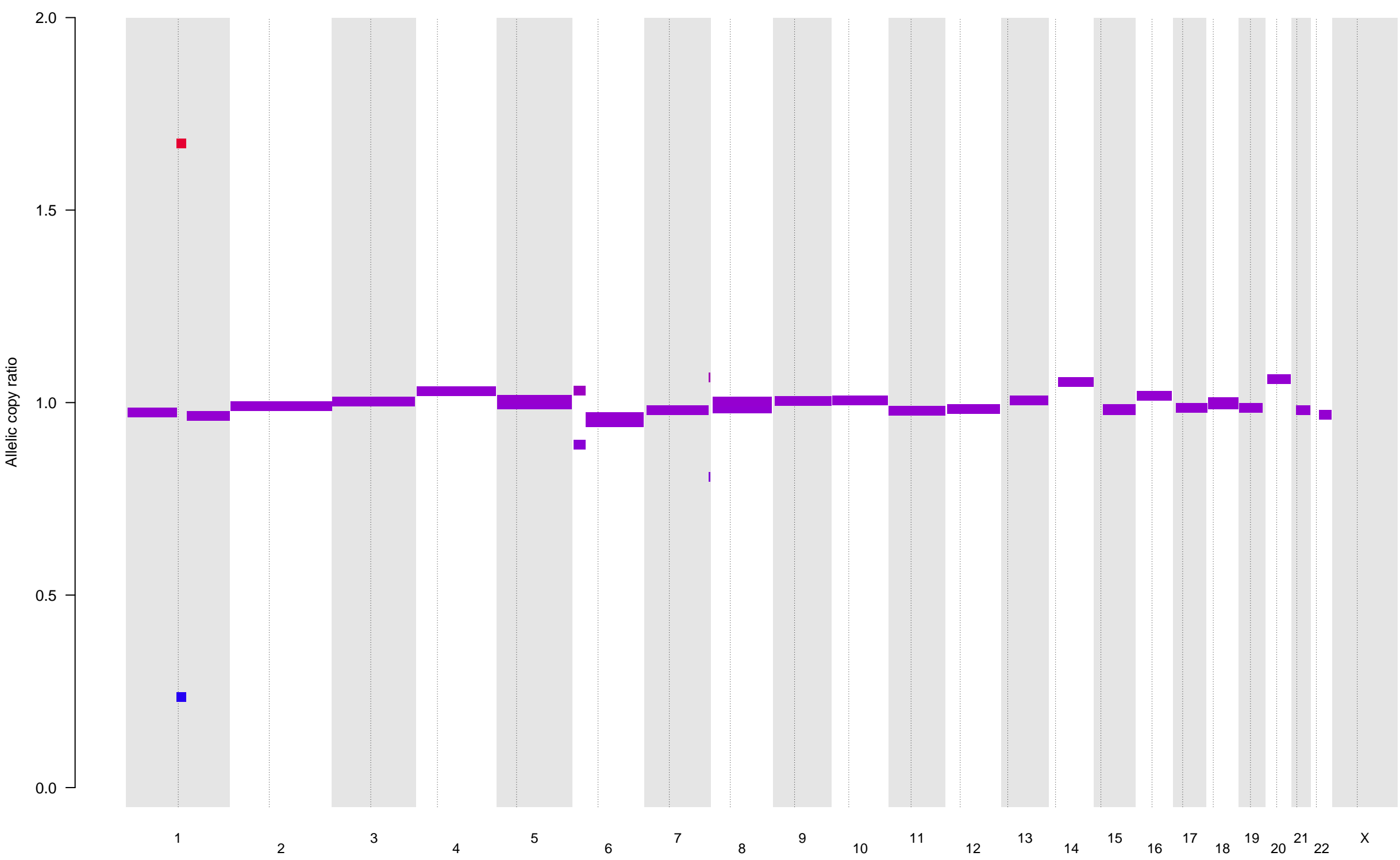
Sample 11



$\hat{\alpha} = 0.18$, ploidy: $\hat{\tau} = 1.71$, $\hat{\tau}_g = 2.01$
 $\theta_z = 0.16$, $\theta_a = 1.604$, WGD=0
 SCNA LL = -316.96, SSNV LL = -6764.39, SCNA Ev = -84.36891

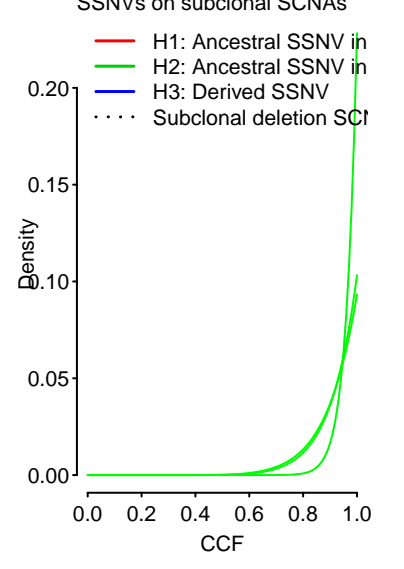
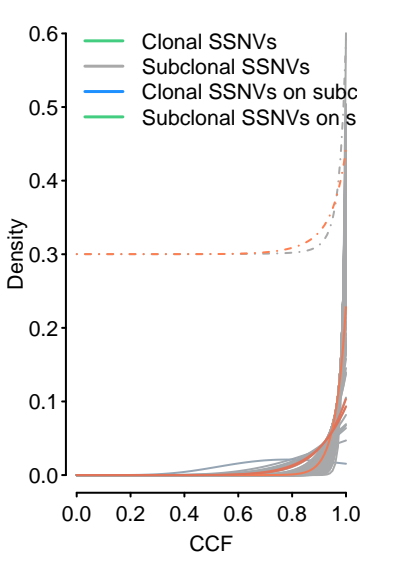
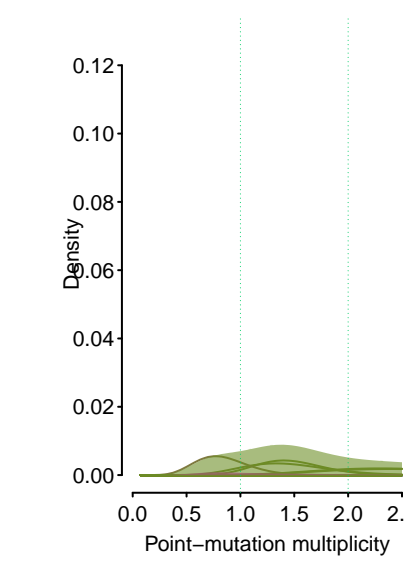
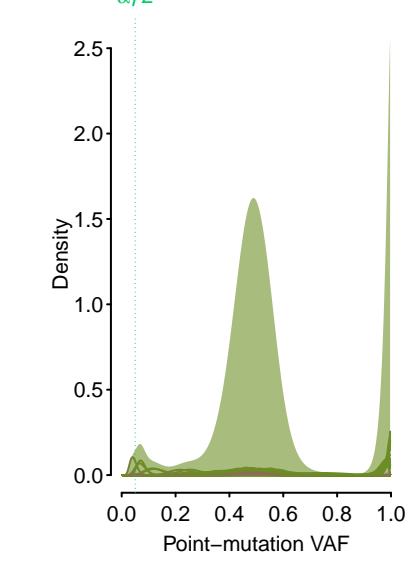
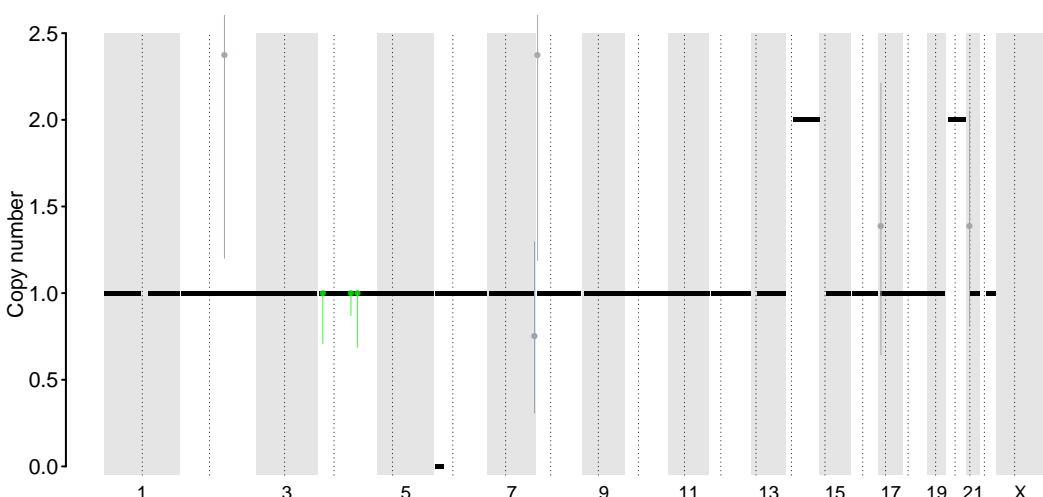
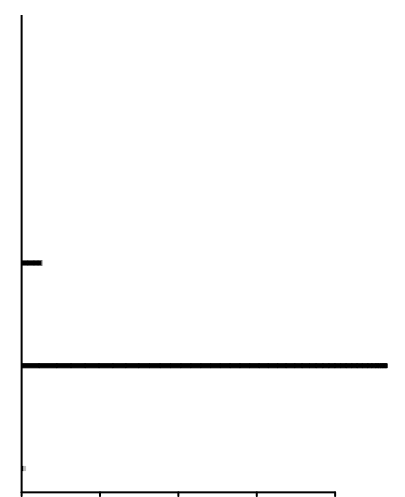
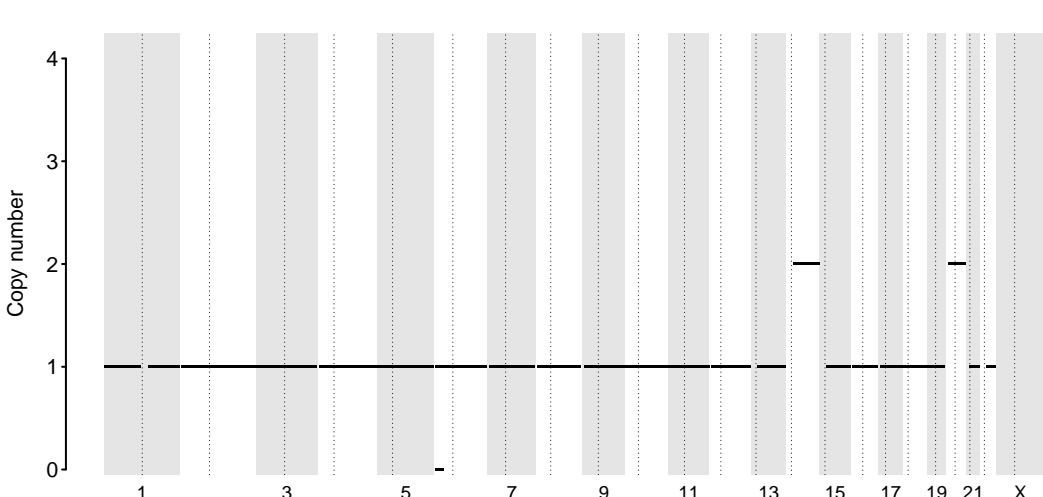
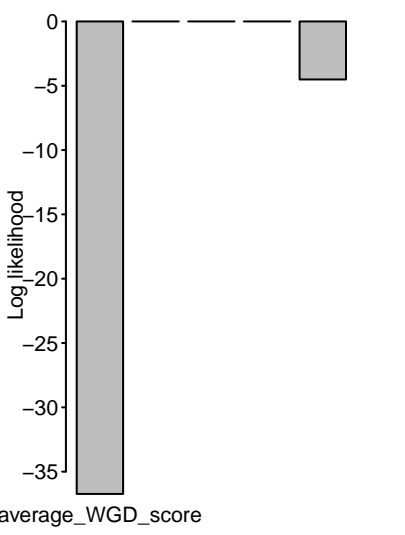
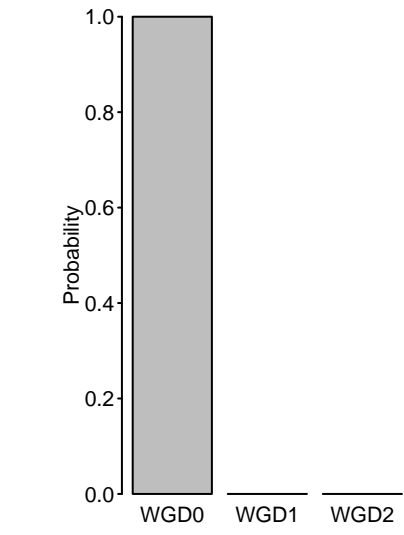
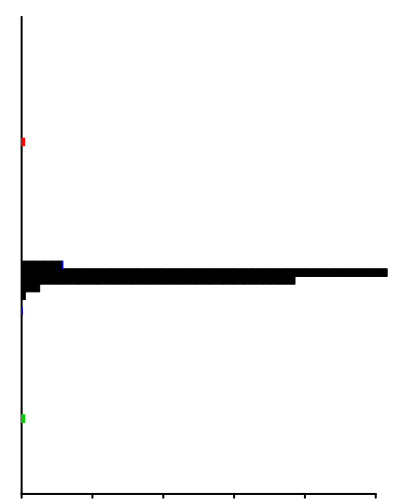
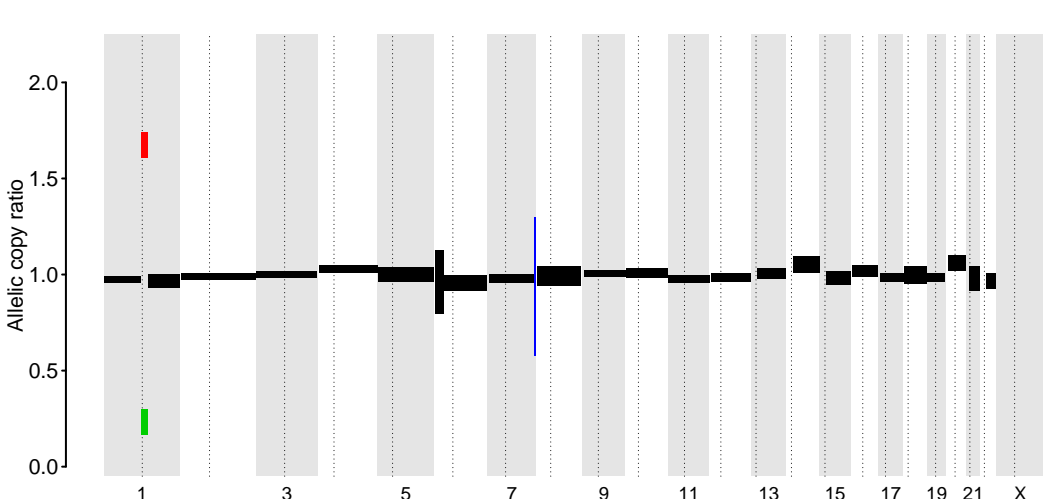
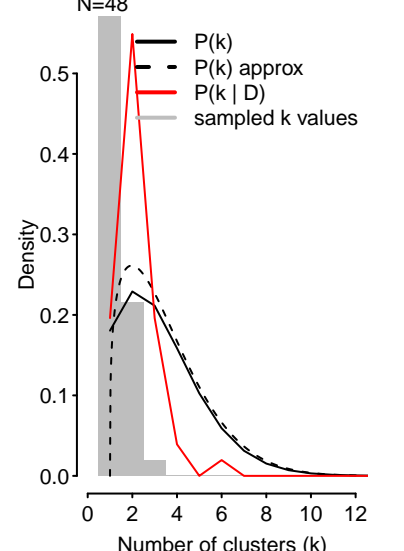
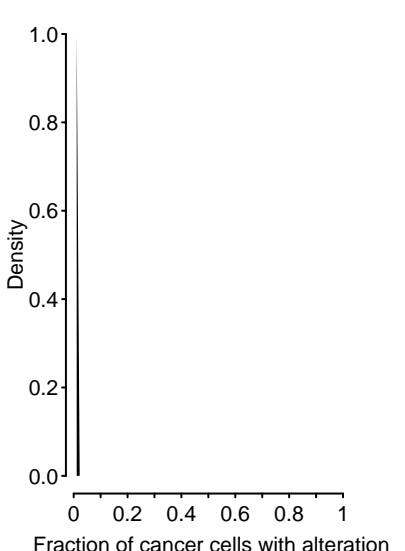
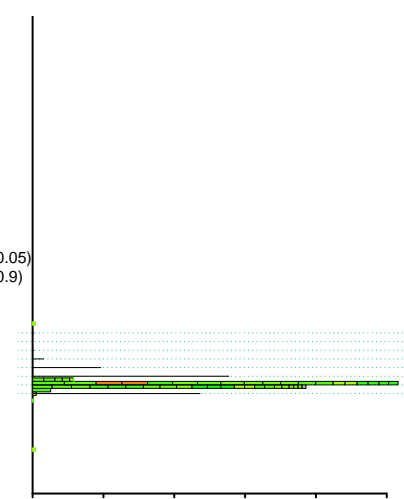
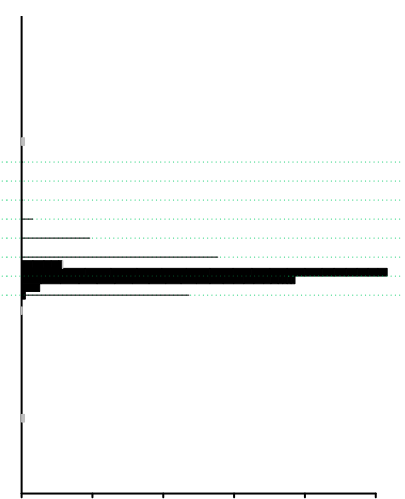
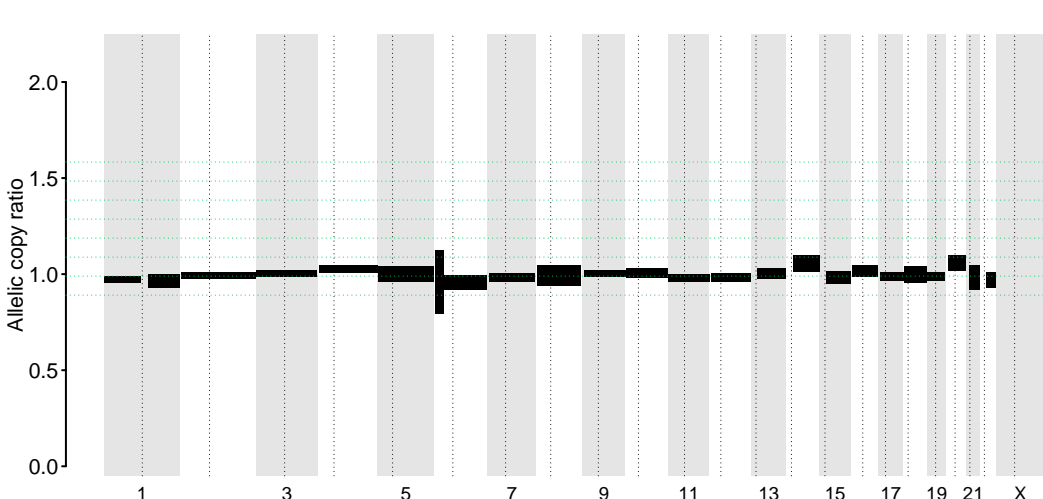
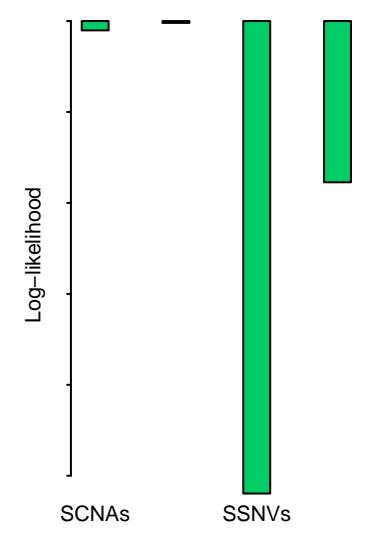
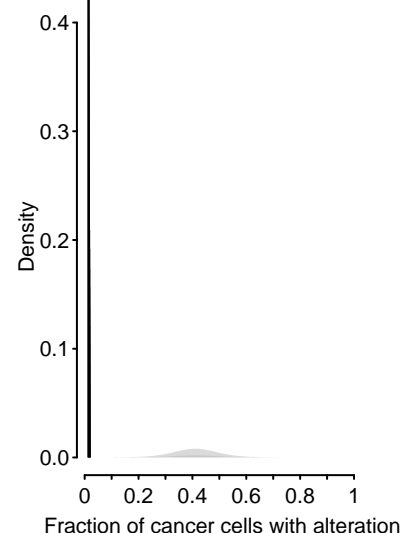
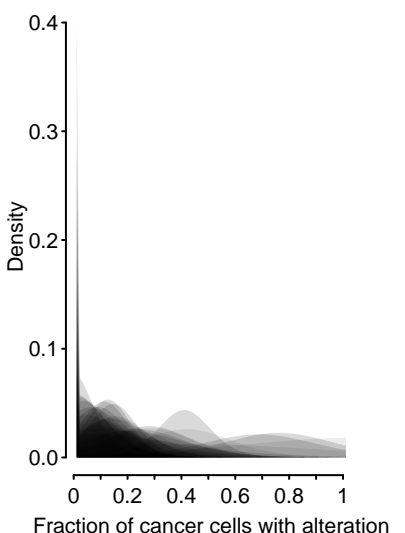
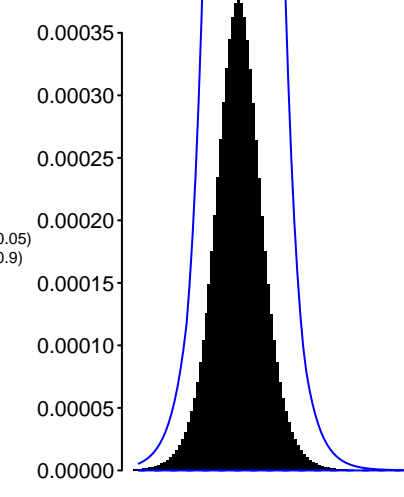
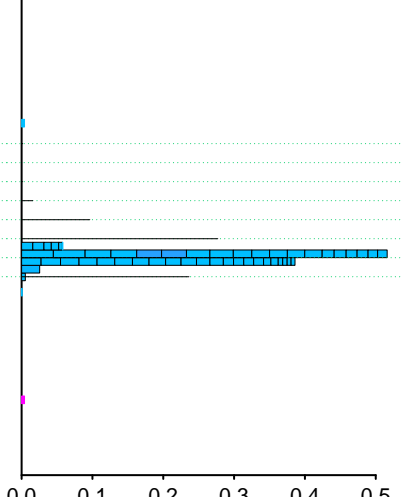
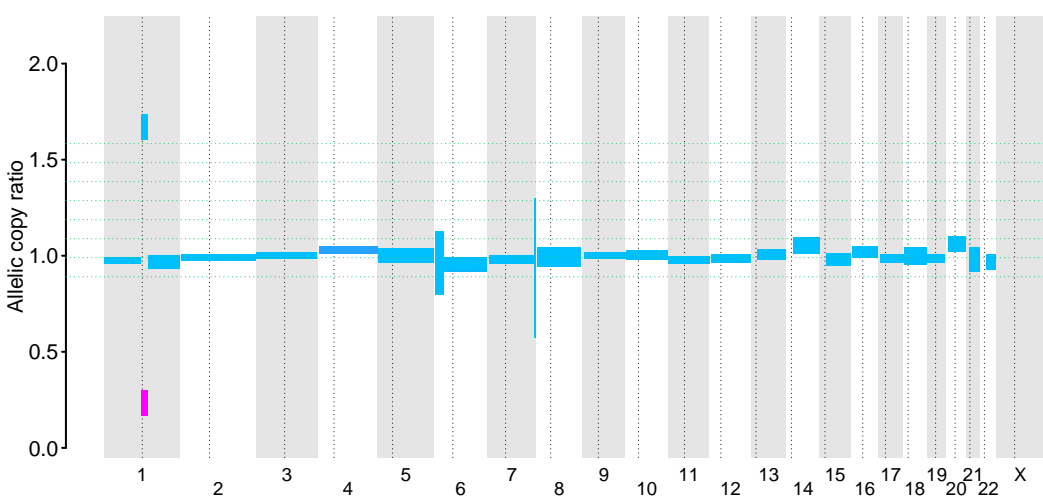
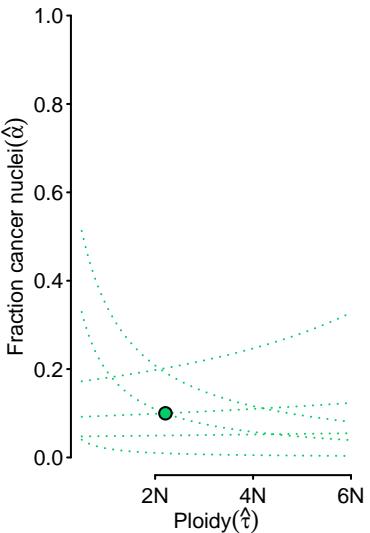


Sample 12

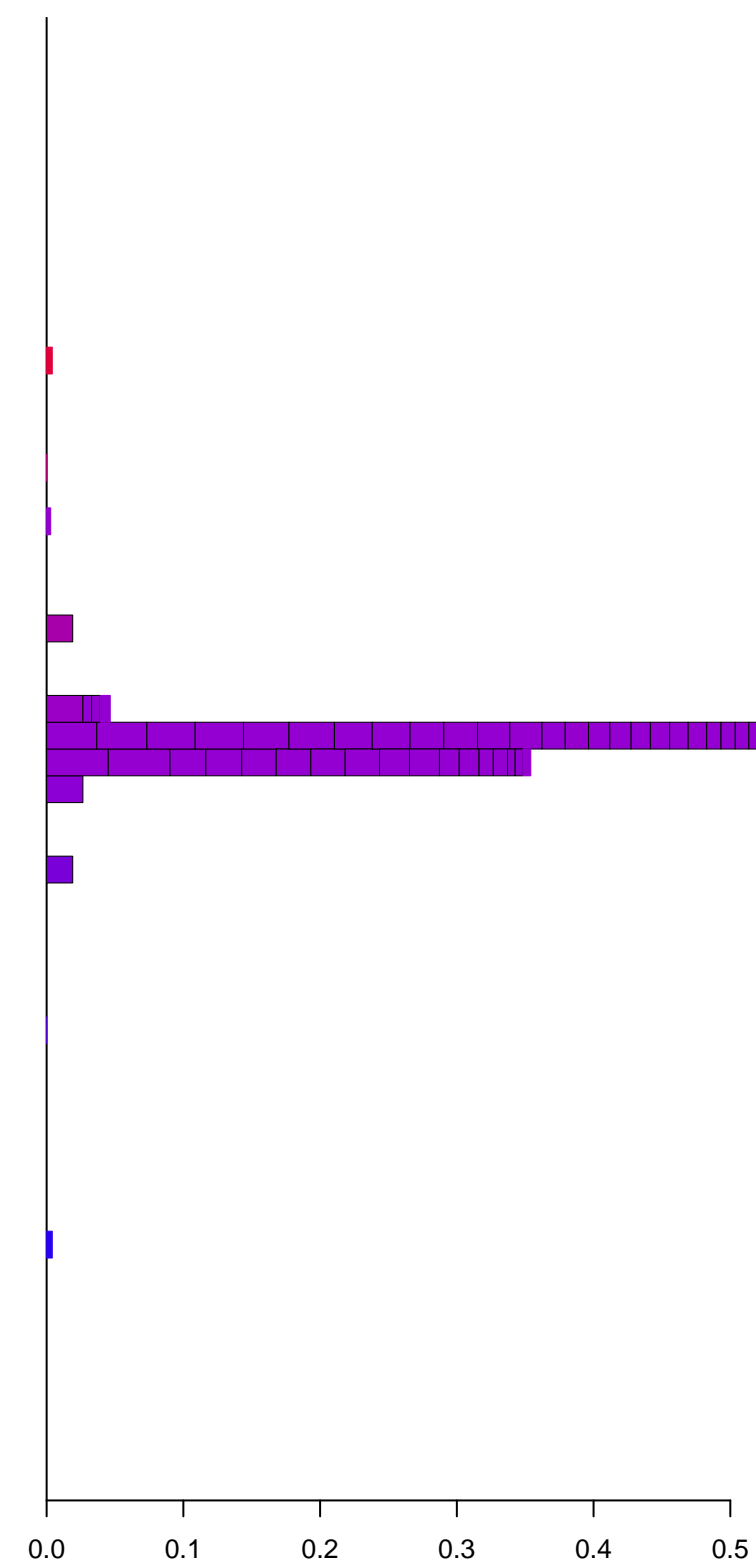
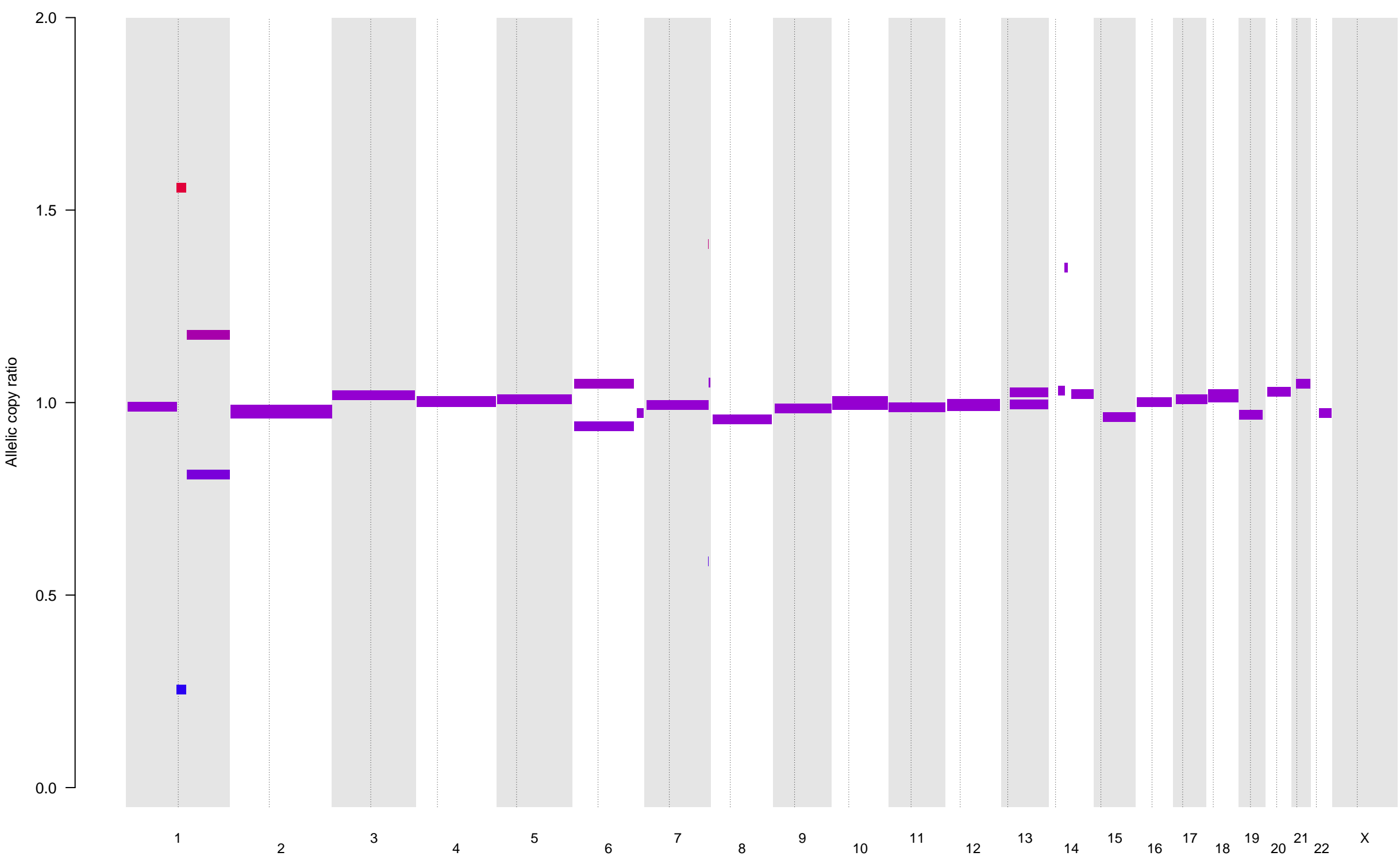


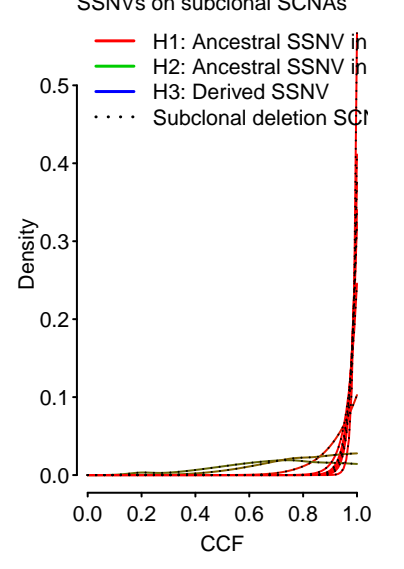
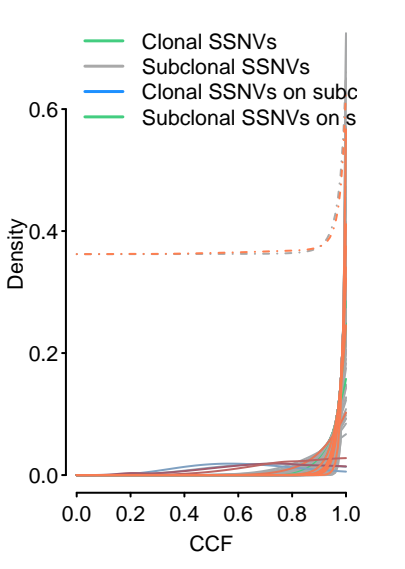
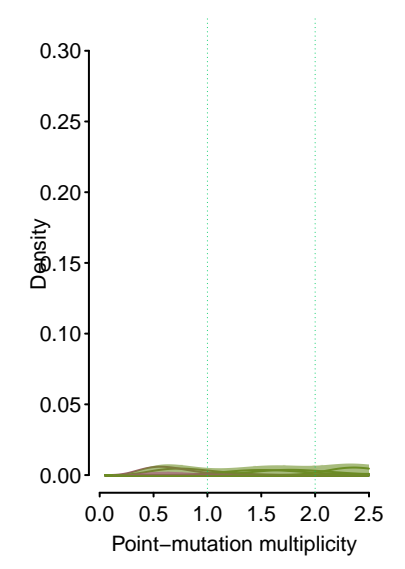
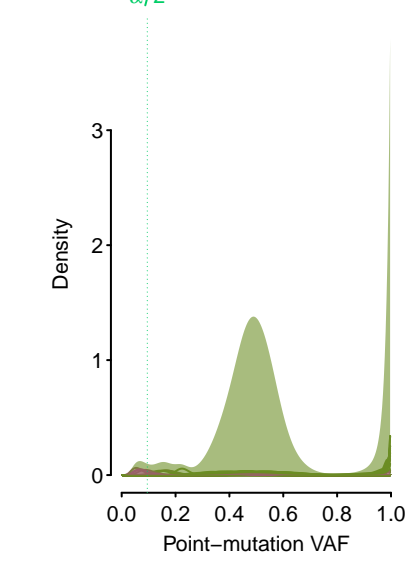
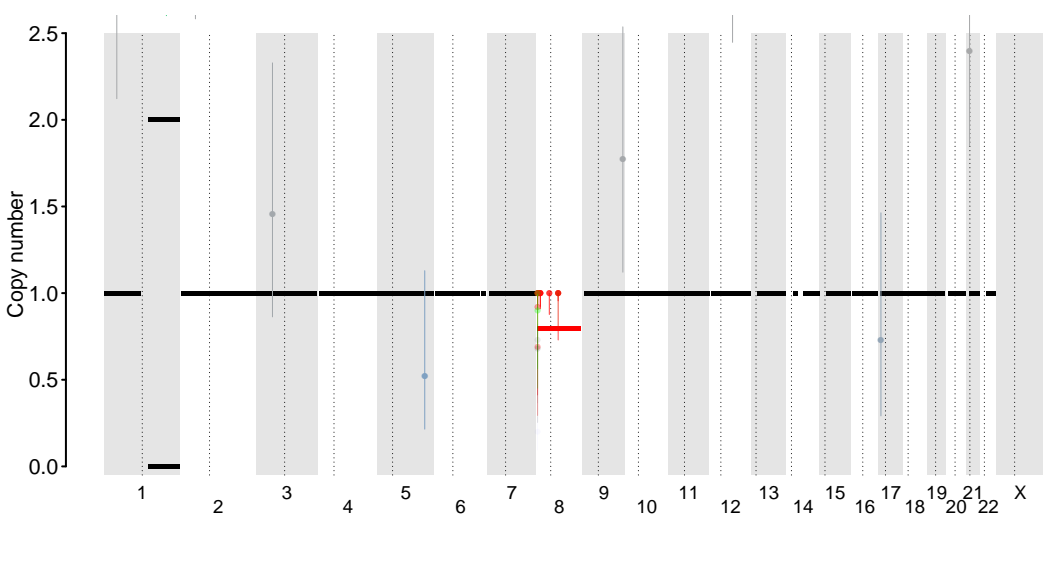
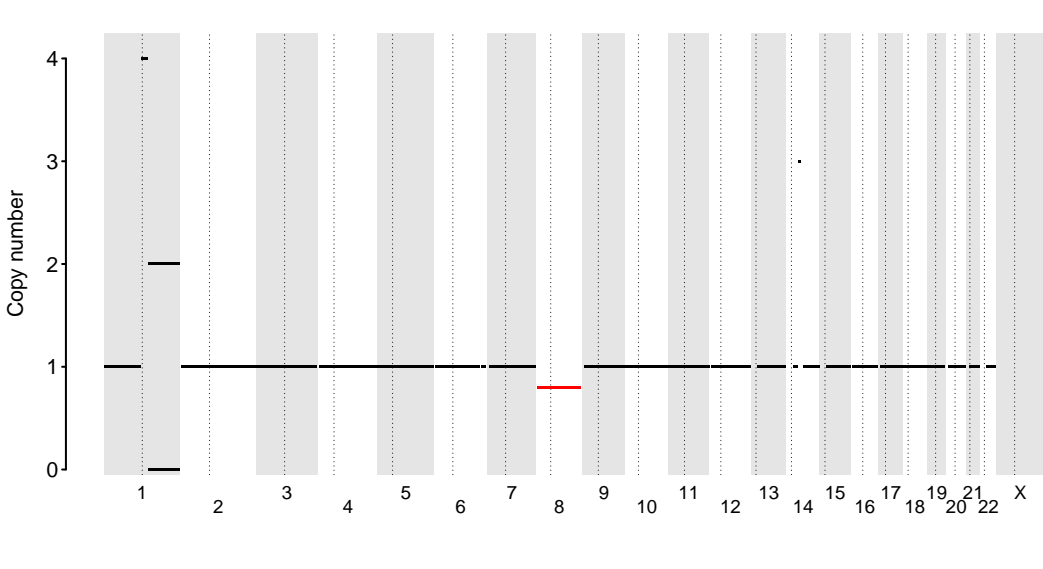
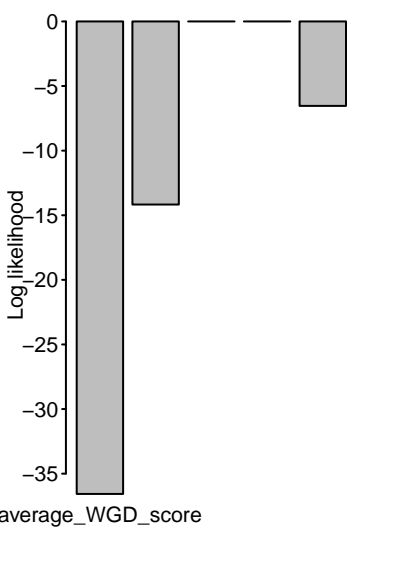
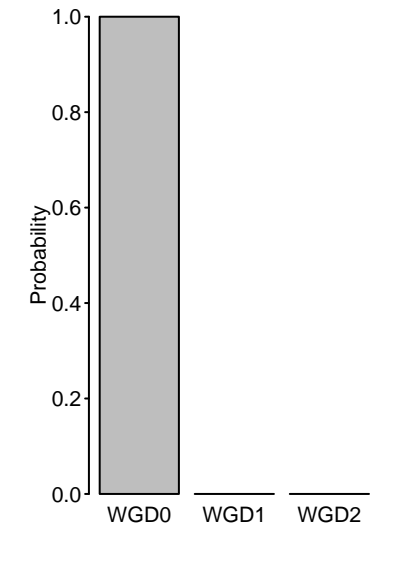
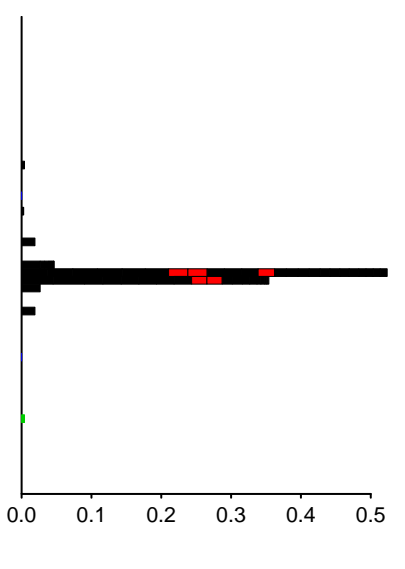
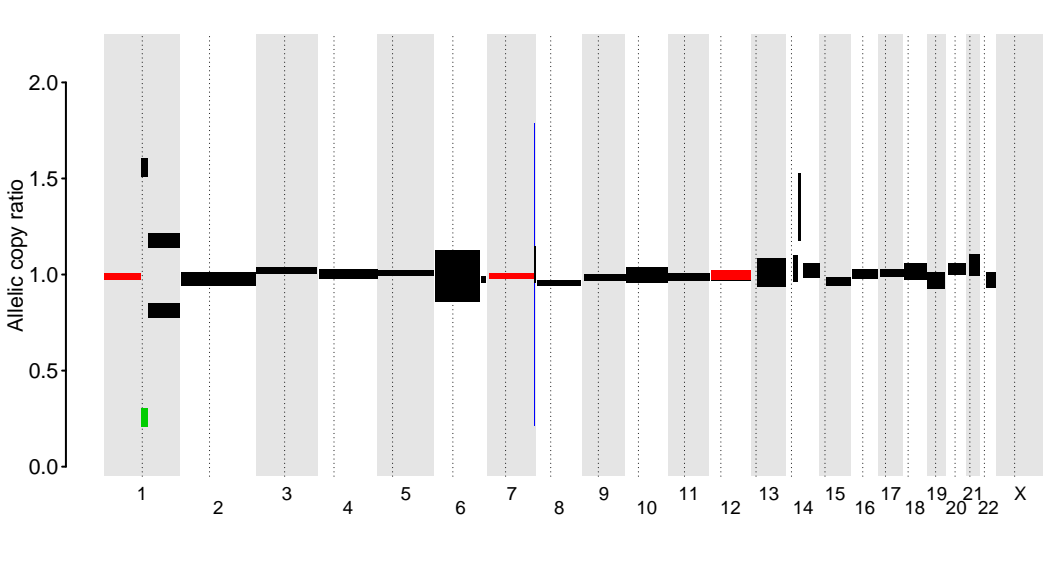
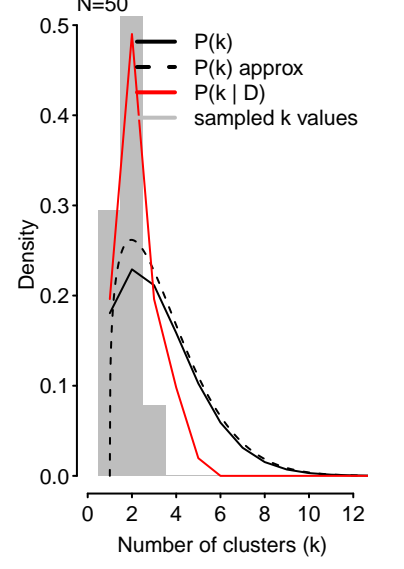
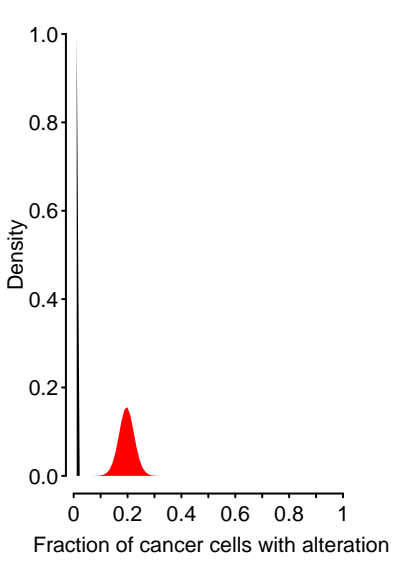
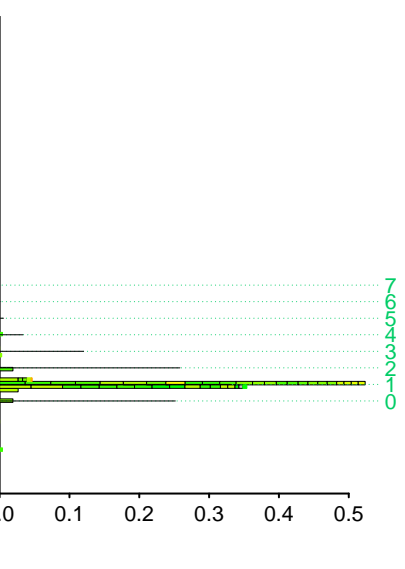
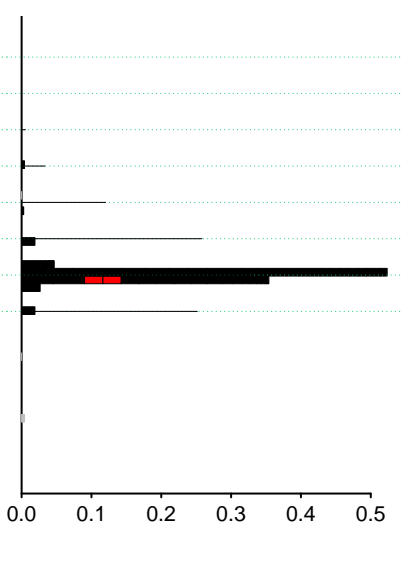
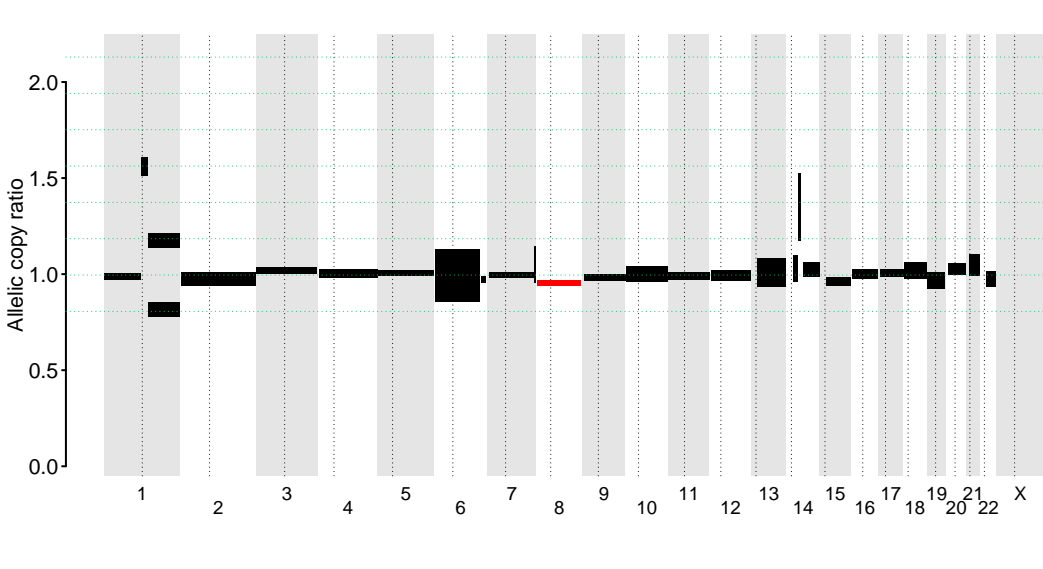
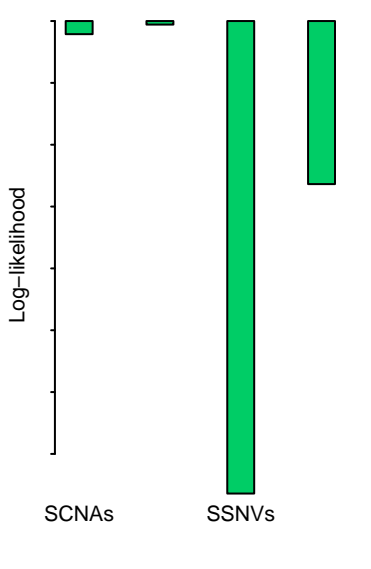
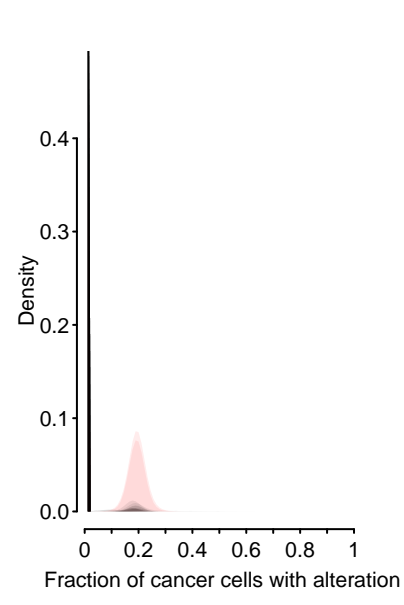
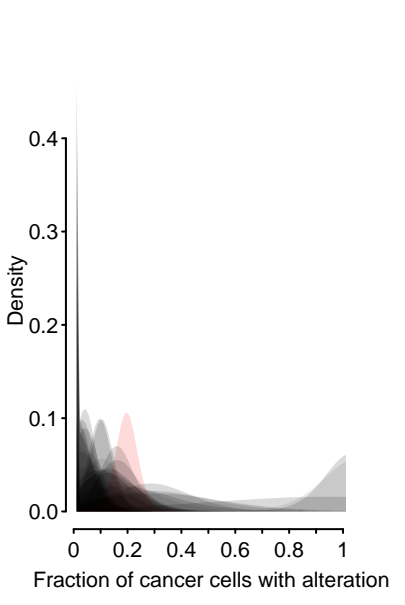
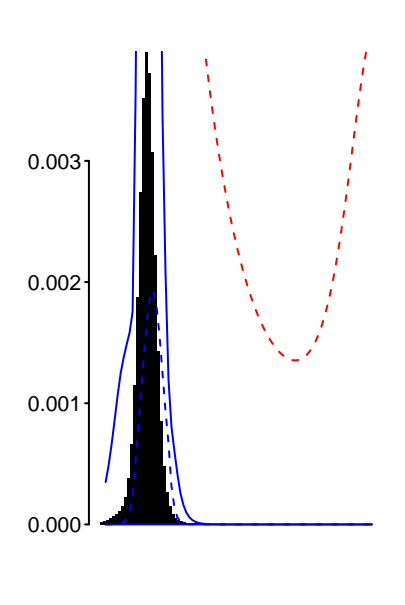
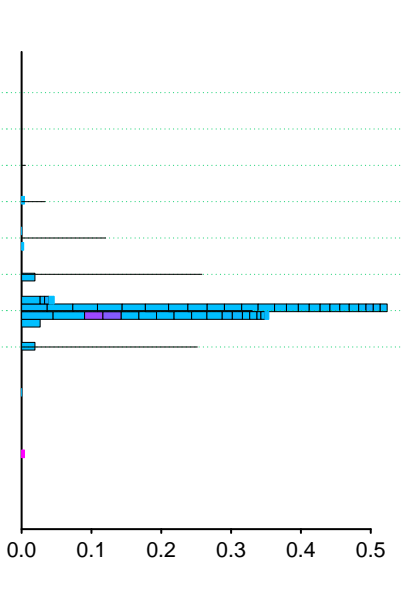
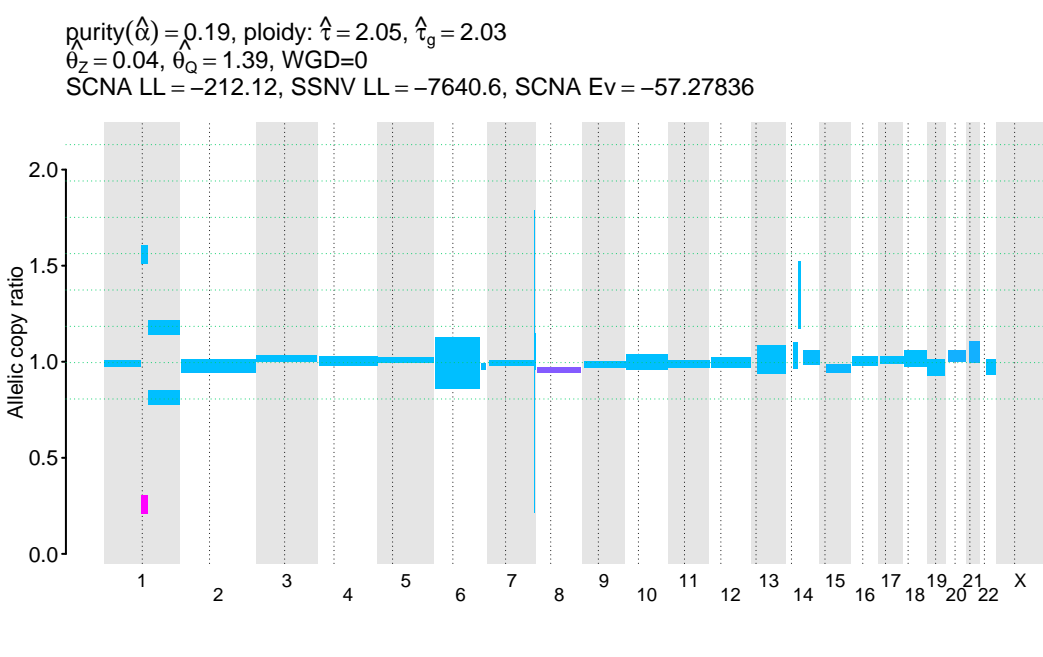
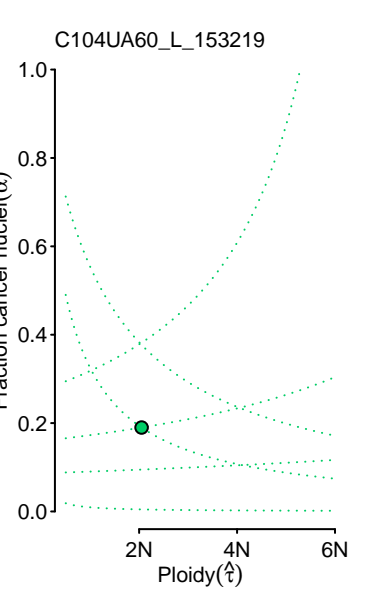
BZDLUA60_L_153217

purity($\hat{\alpha}$) = 0.1, ploidy: $\hat{t} = 2.21$, $\hat{t}_g = 2.13$
 $\hat{\theta}_z = 0.02$, $\hat{\theta}_Q = 1.149$, WGD=0
SCNA LL = -205.3, SSNV LL = -10391.58, SCNA Ev = -41.24438

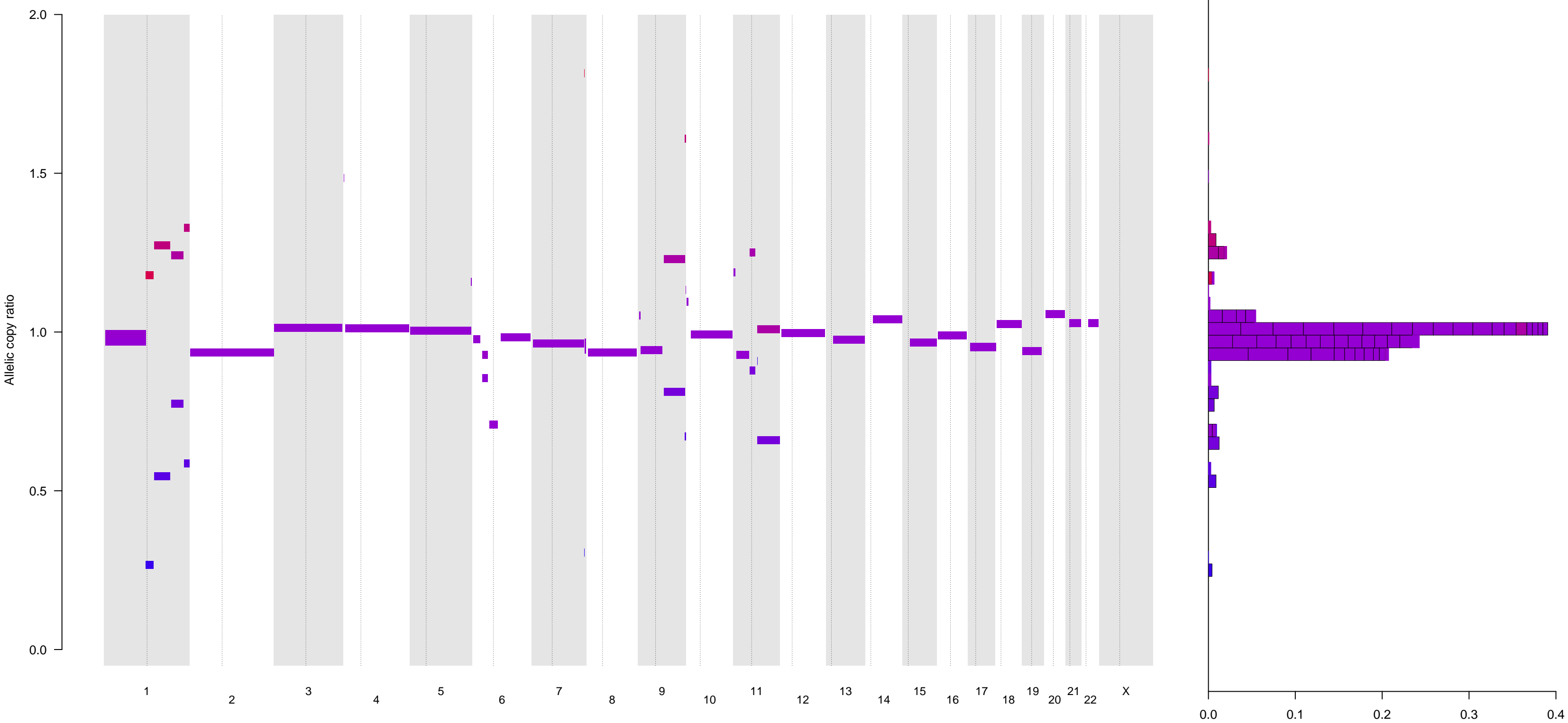


Sample 13

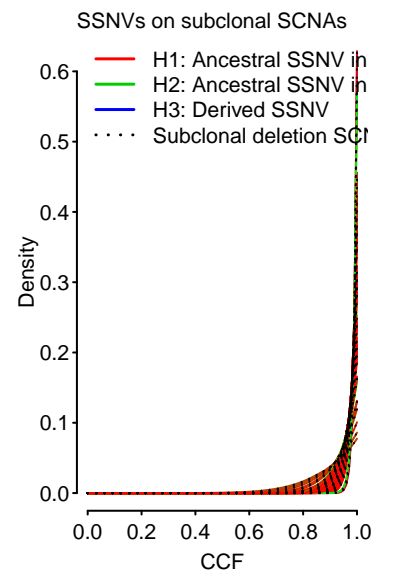
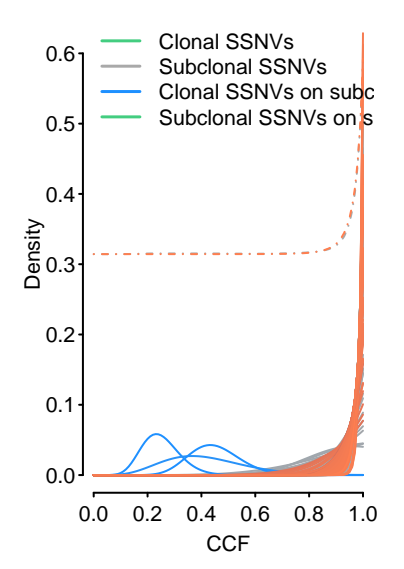
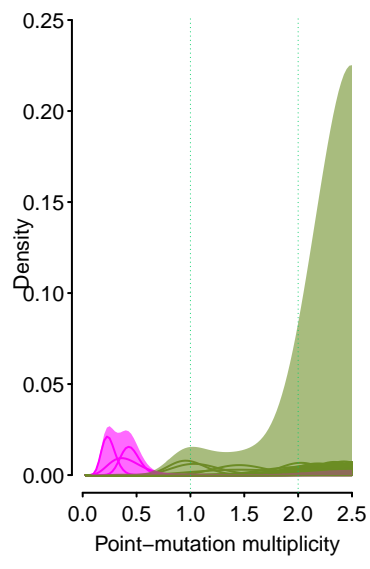
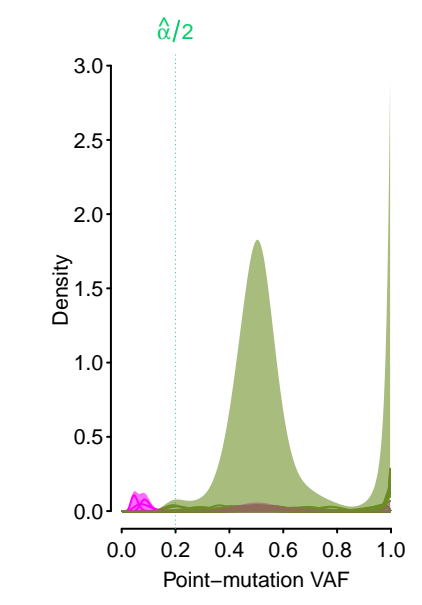
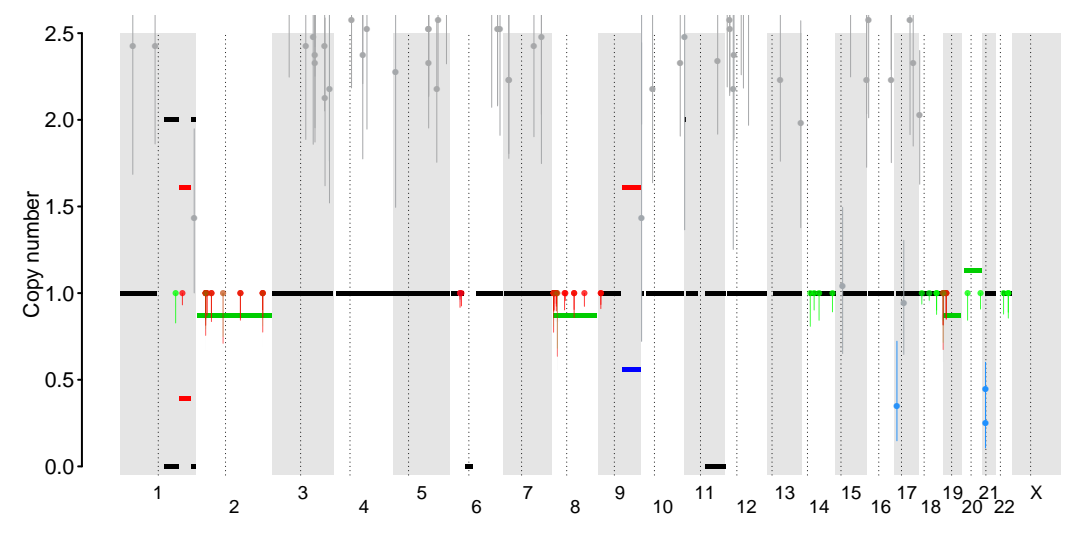
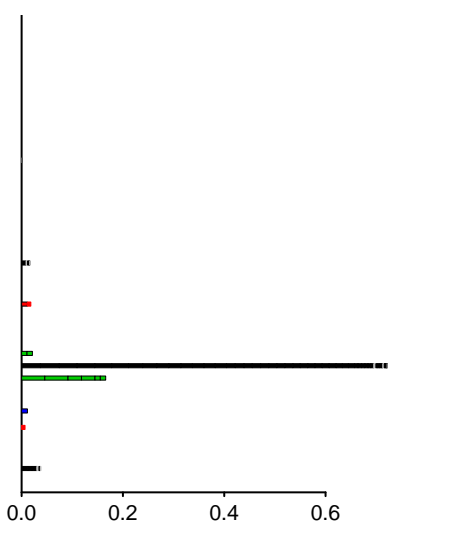
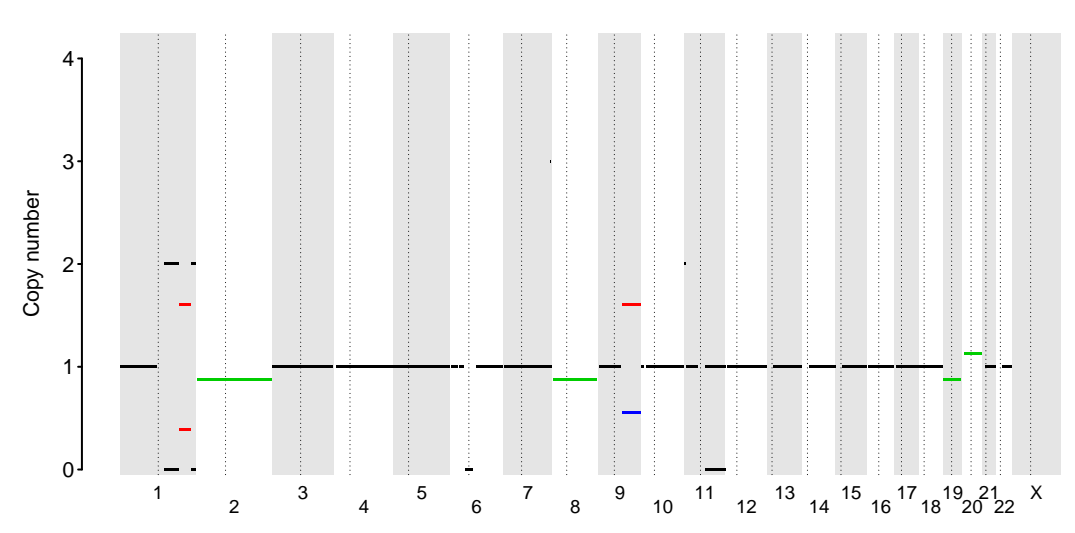
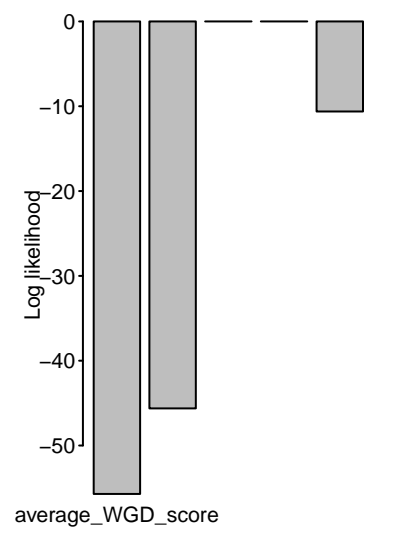
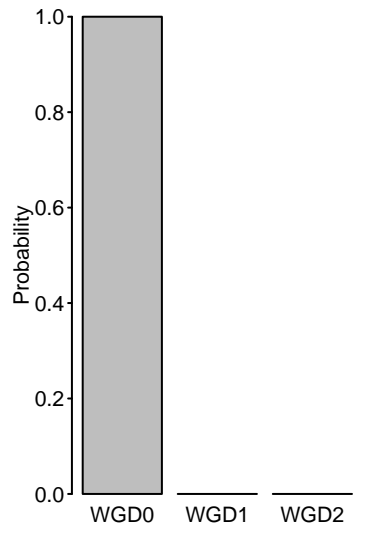
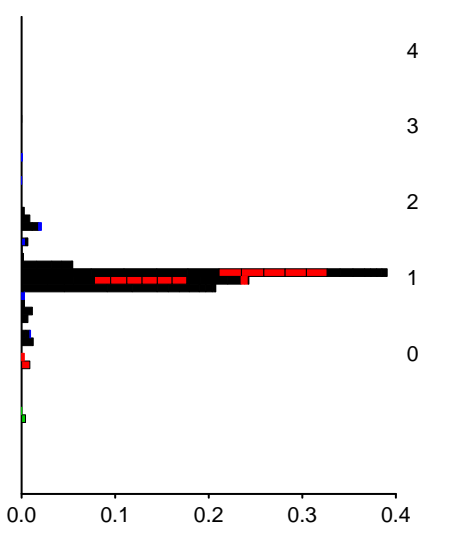
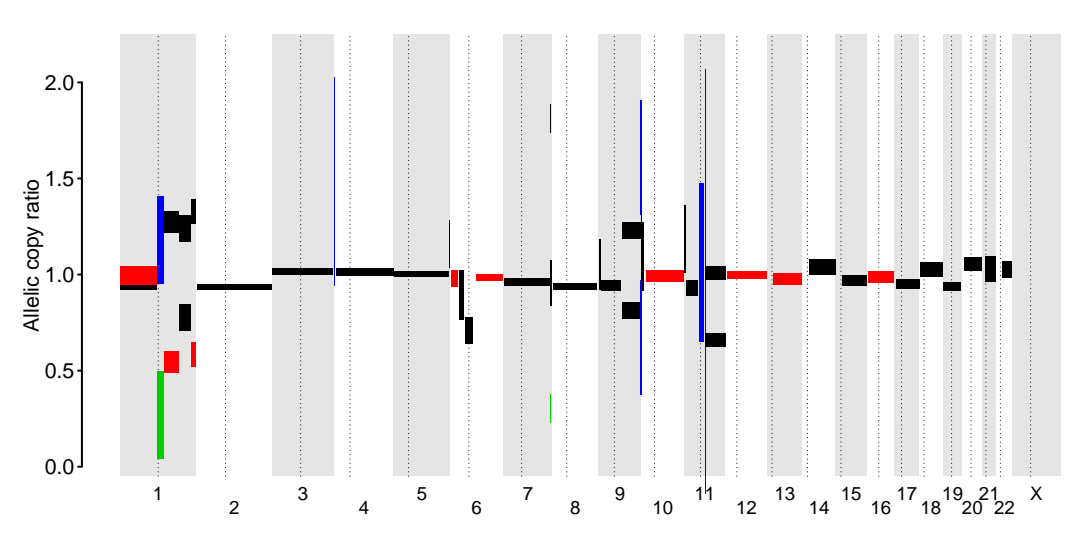
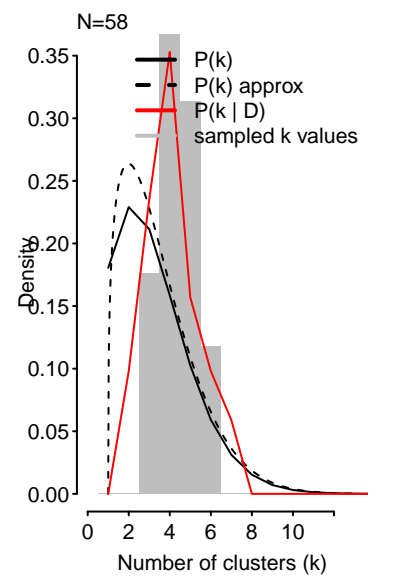
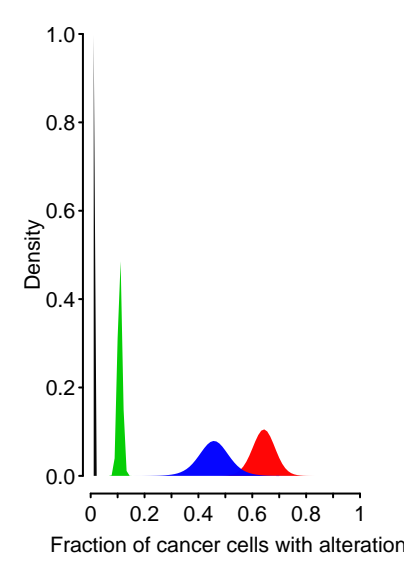
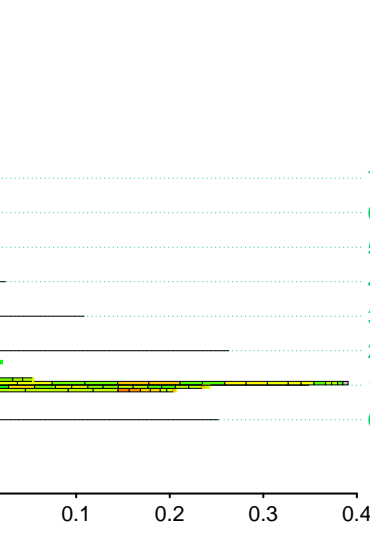
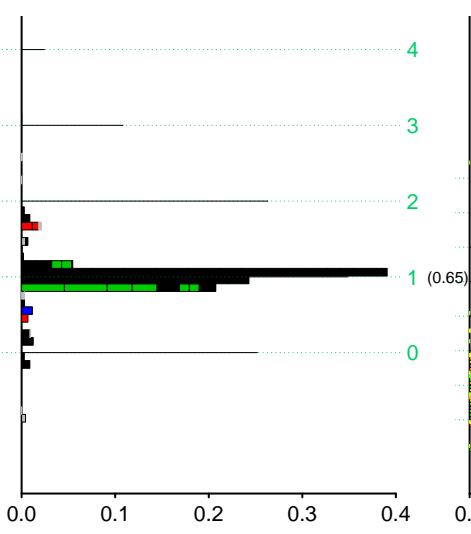
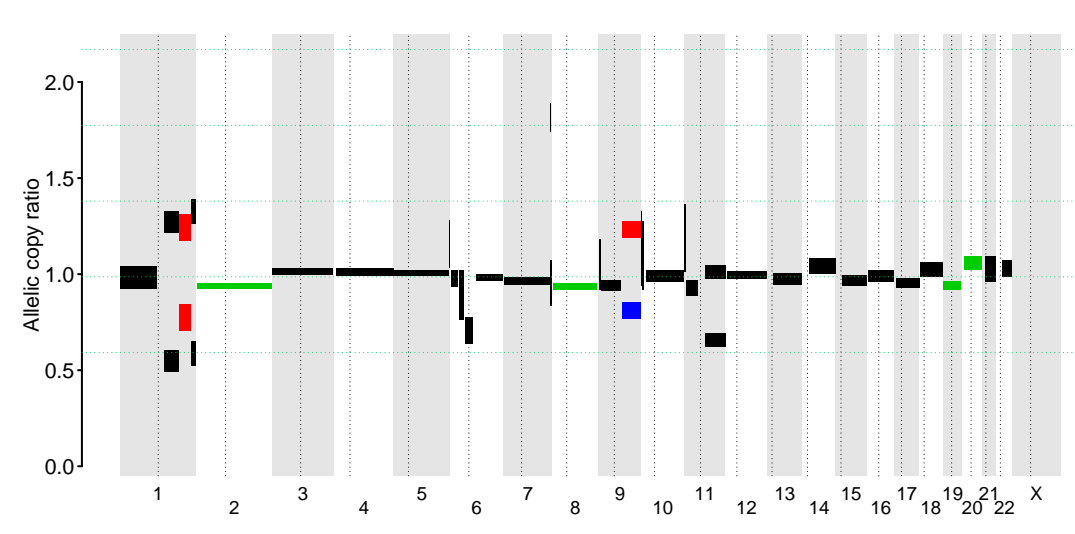
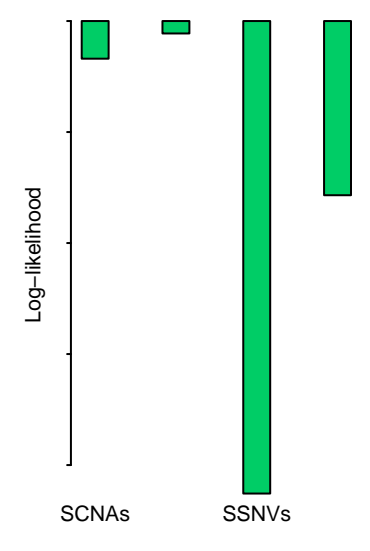
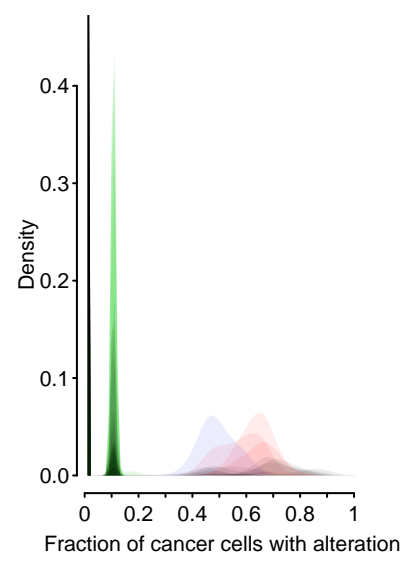
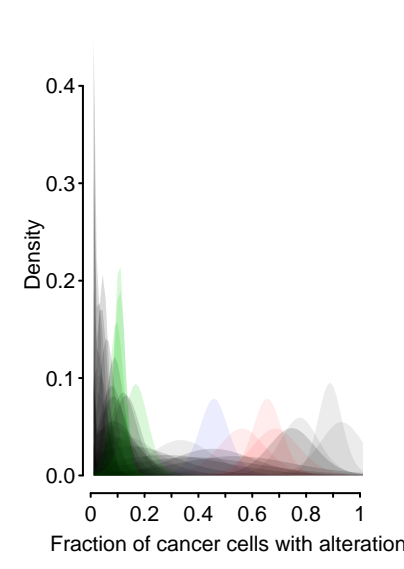
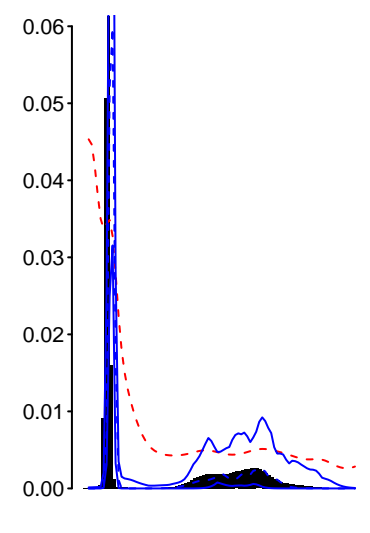
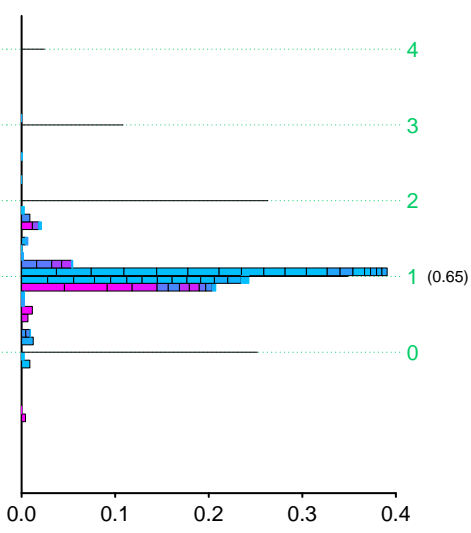
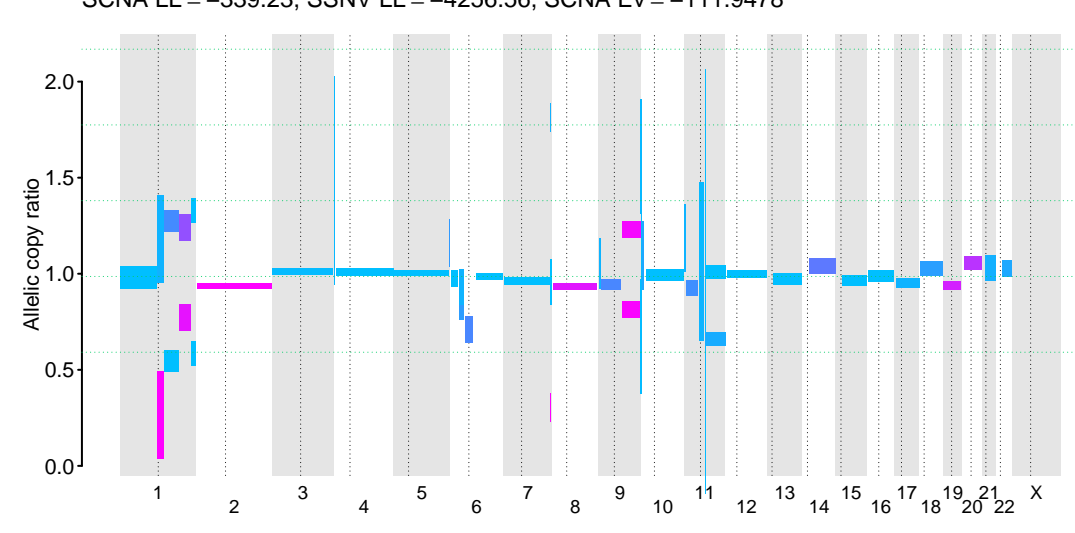
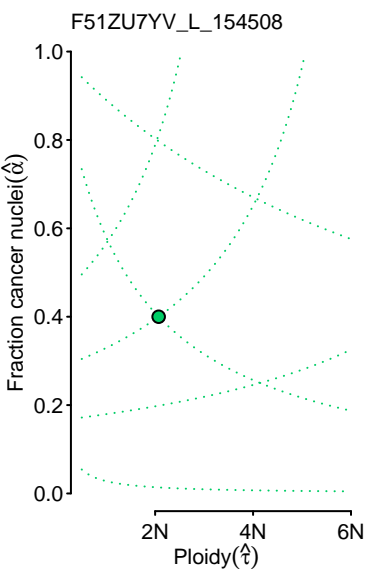




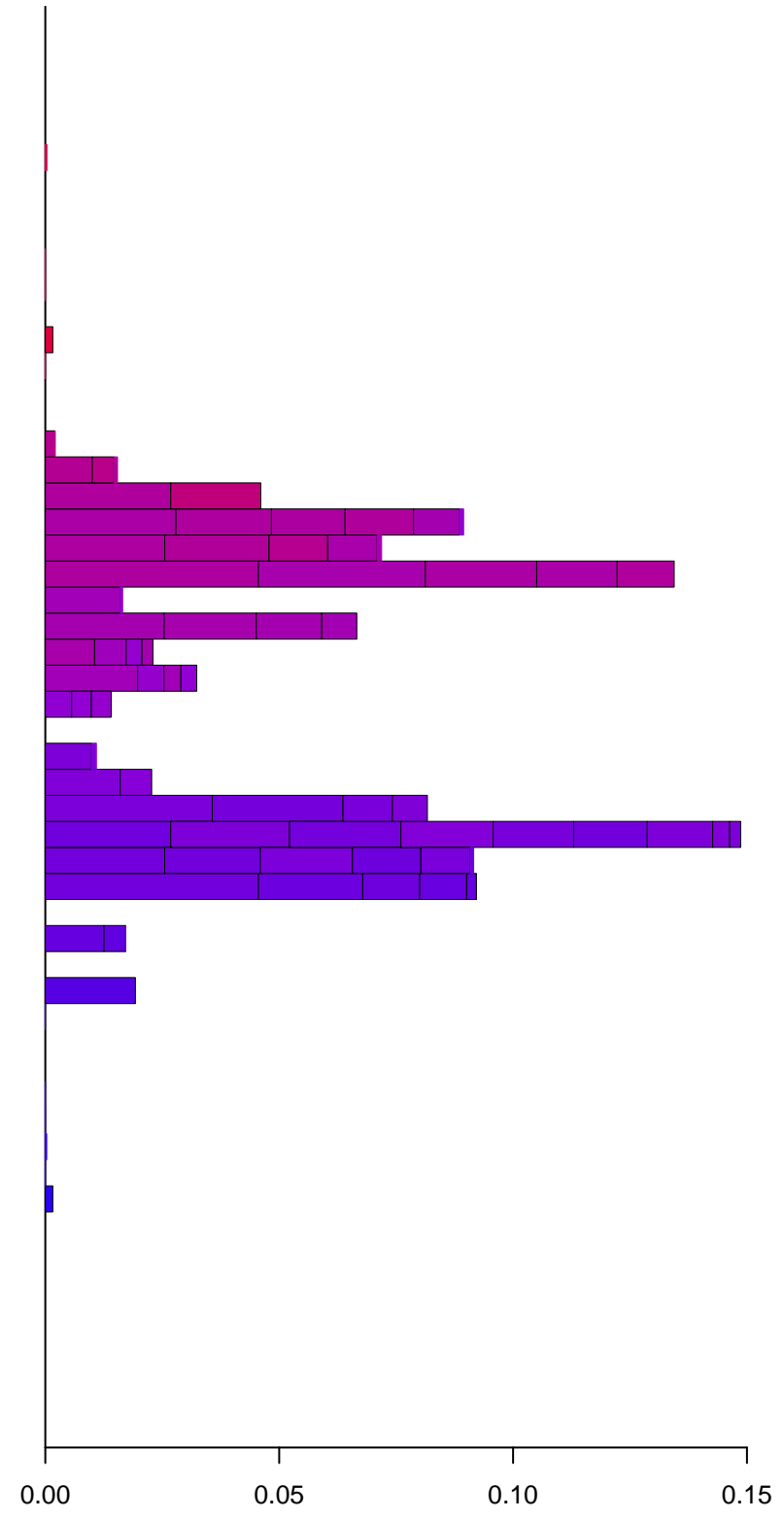
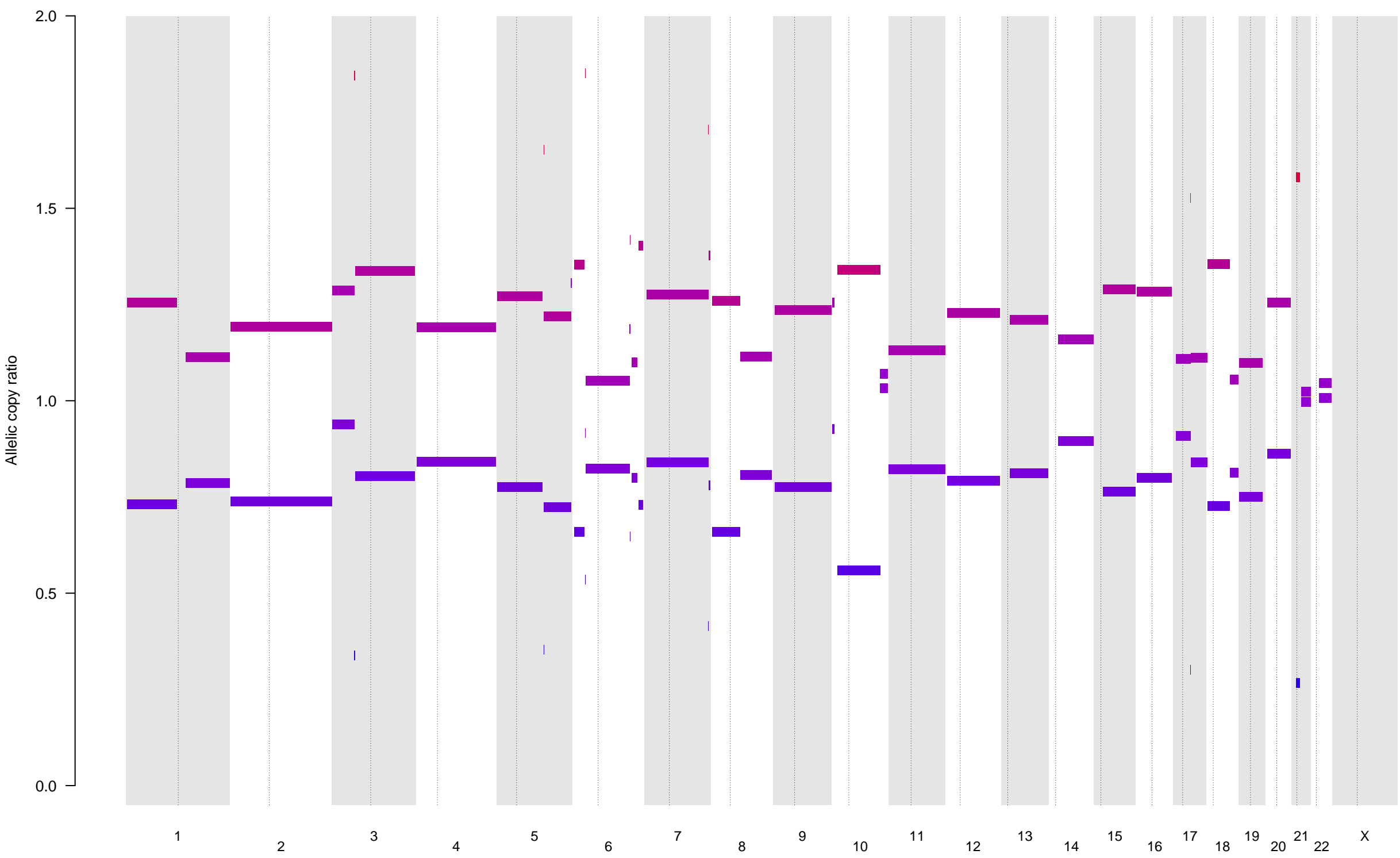
Sample 15



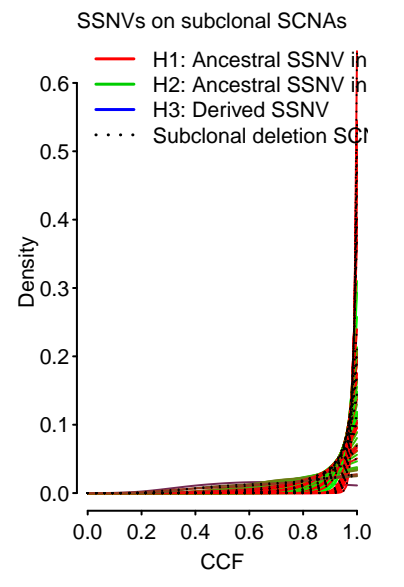
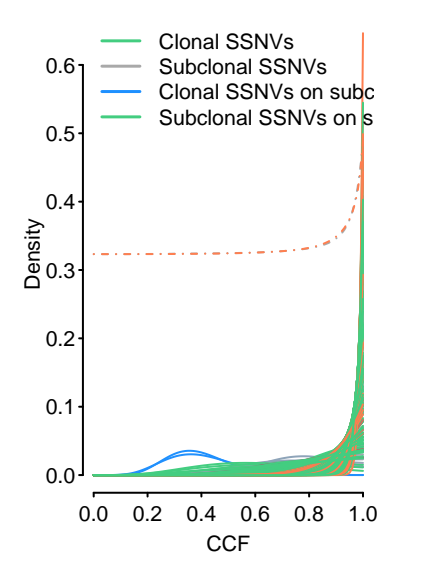
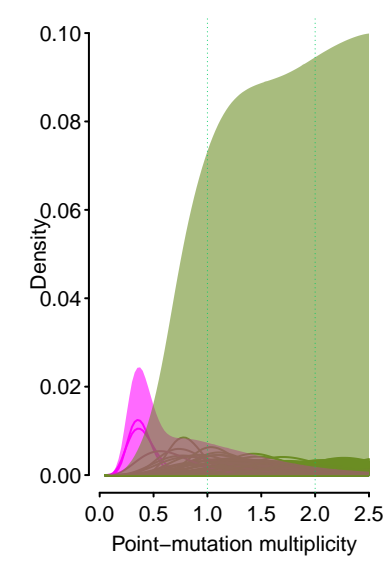
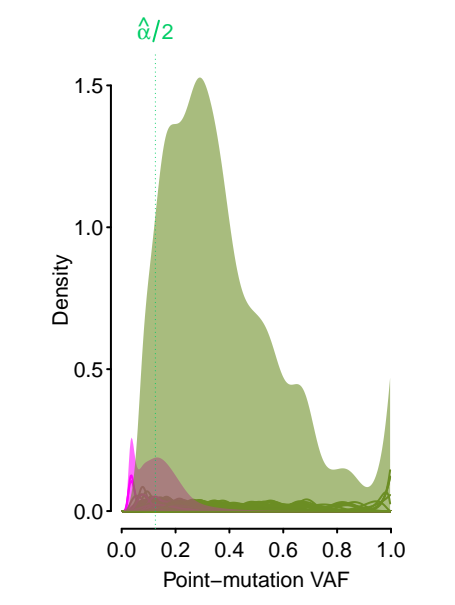
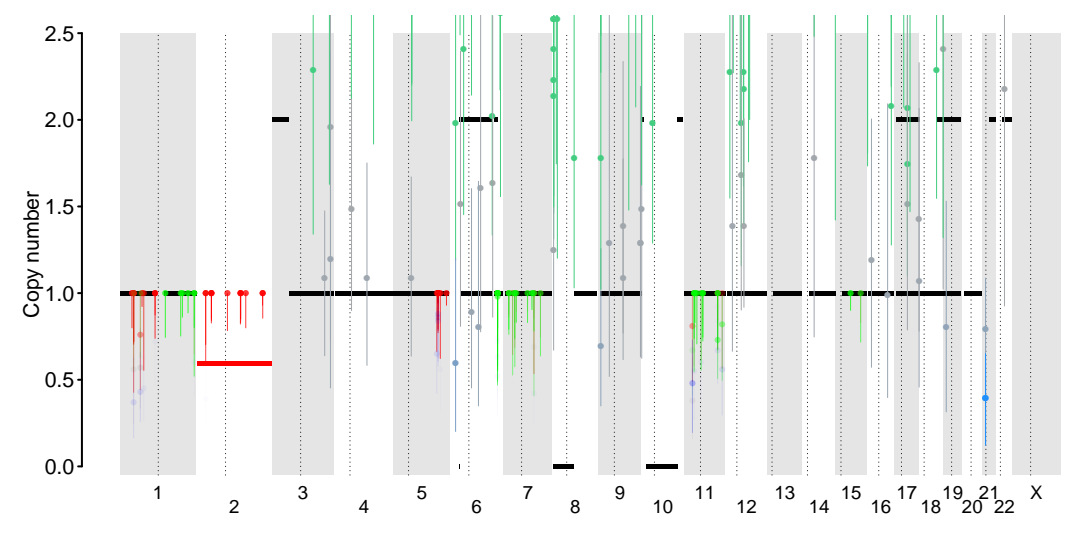
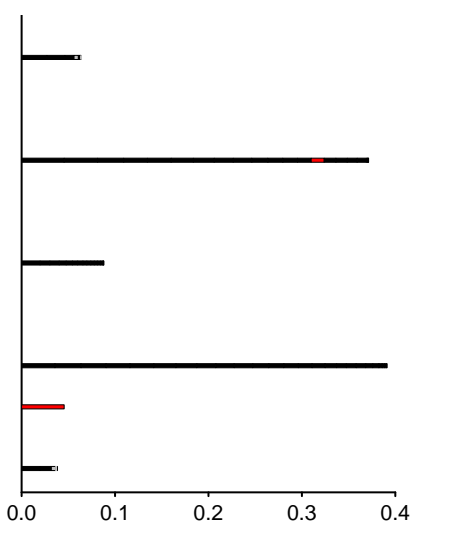
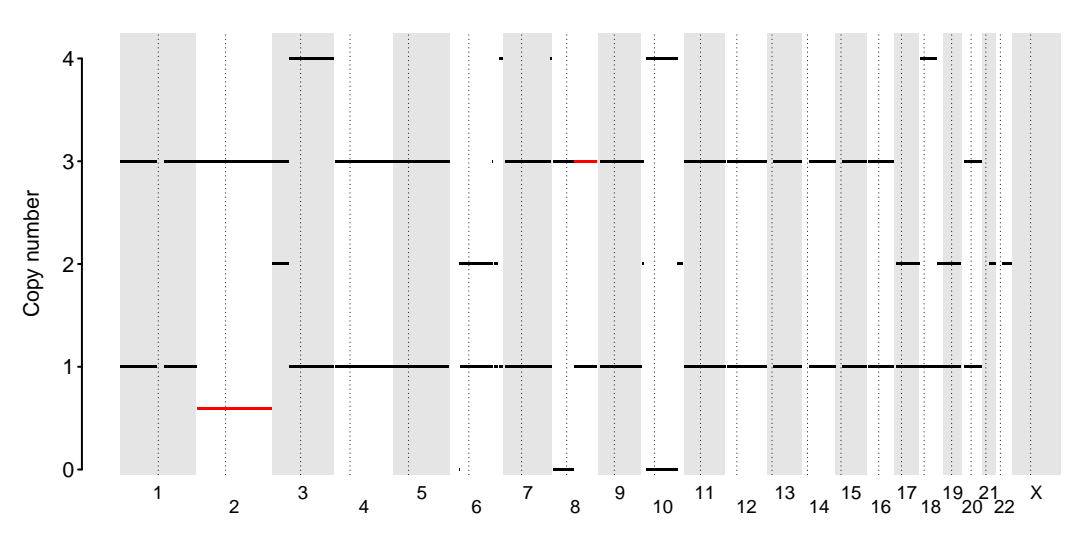
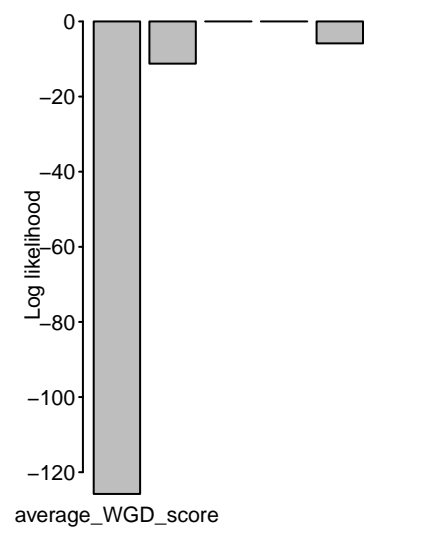
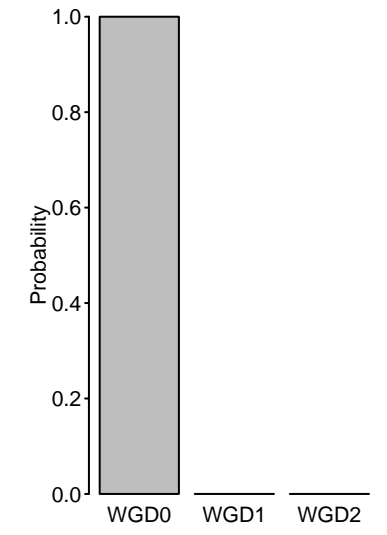
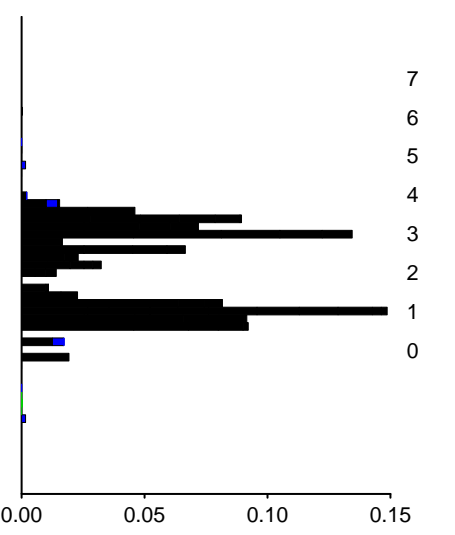
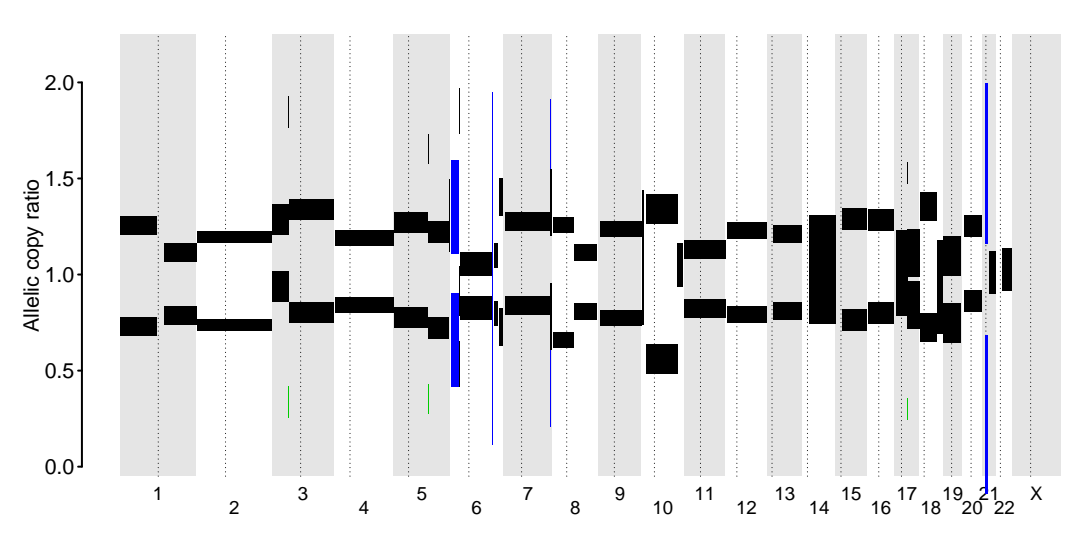
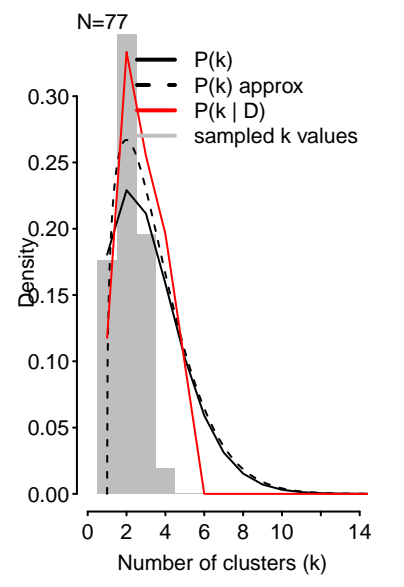
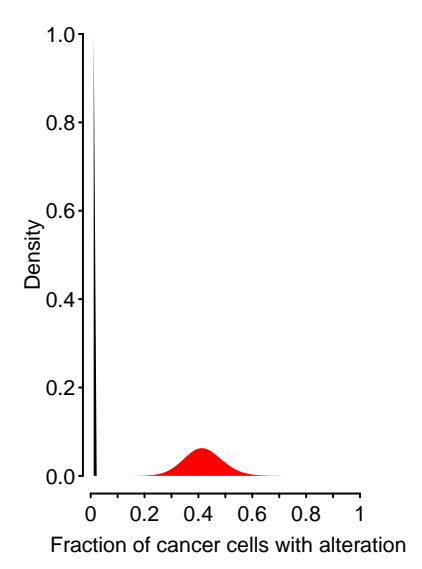
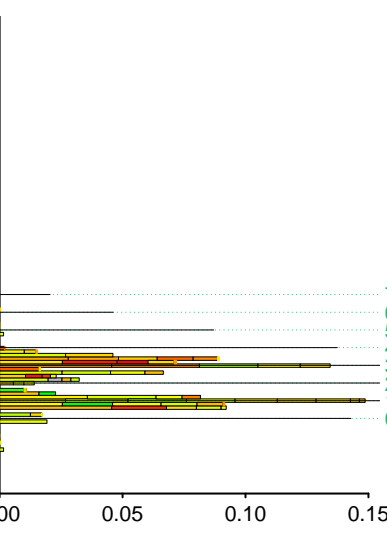
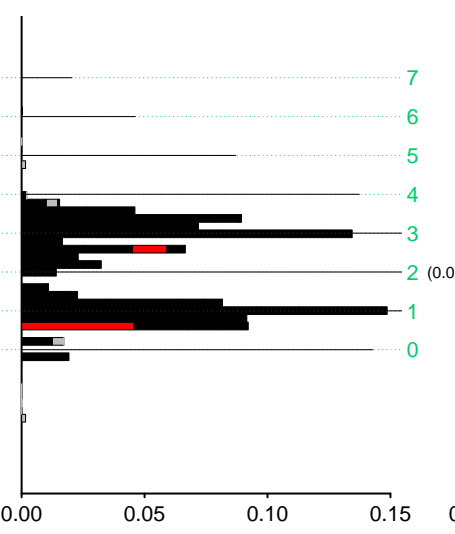
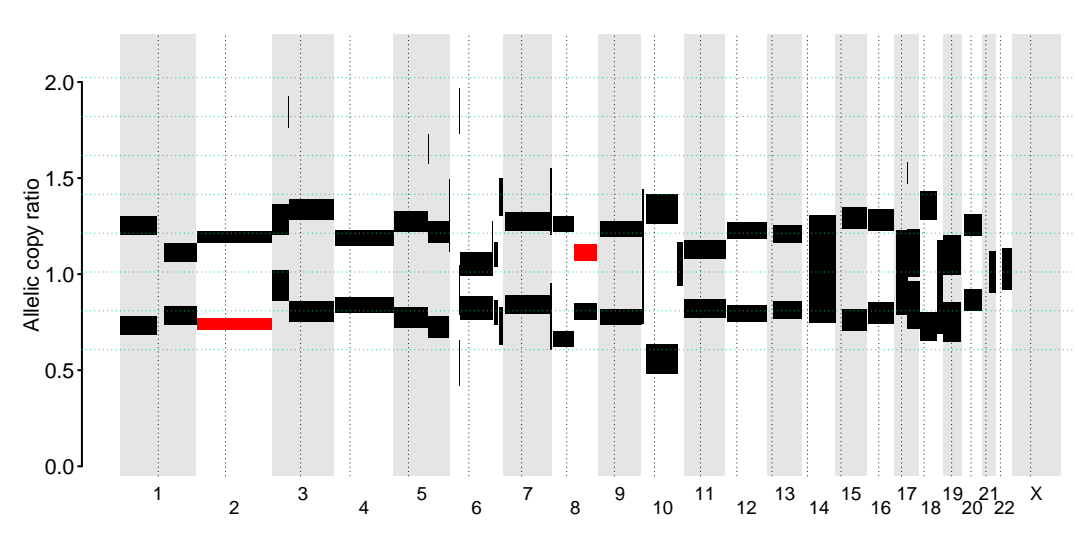
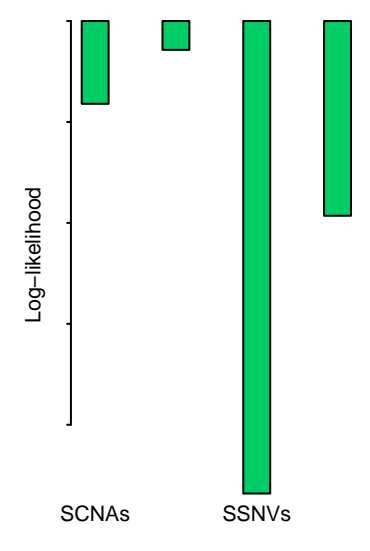
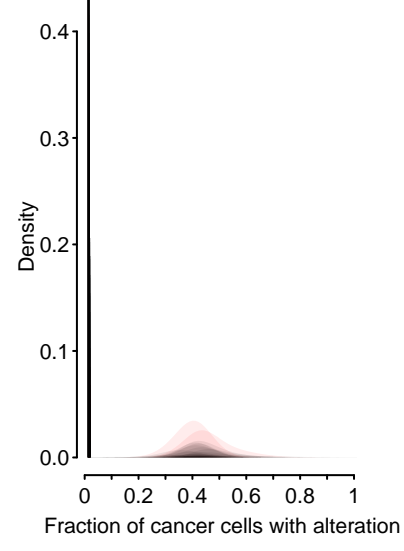
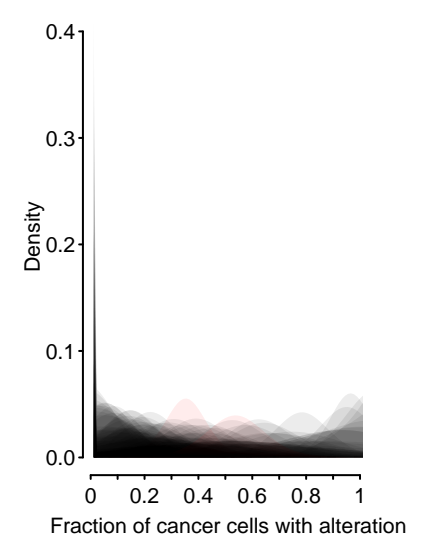
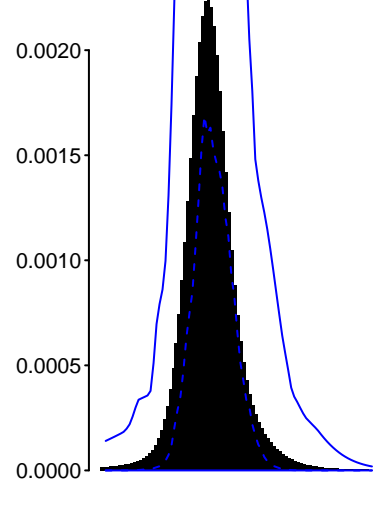
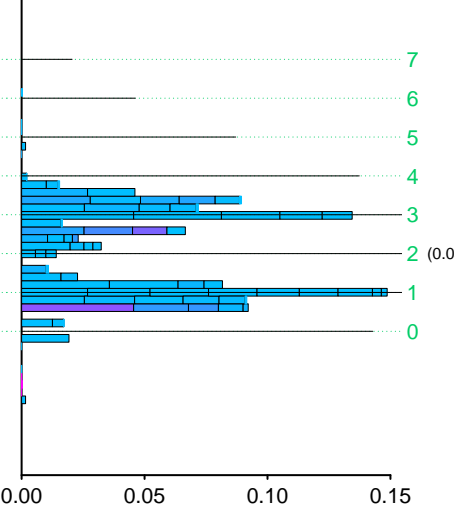
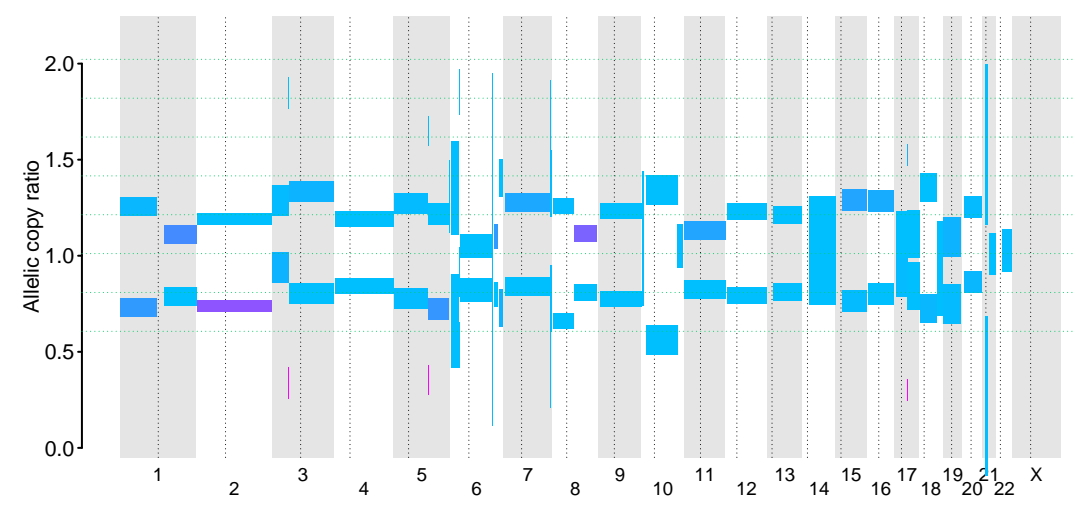
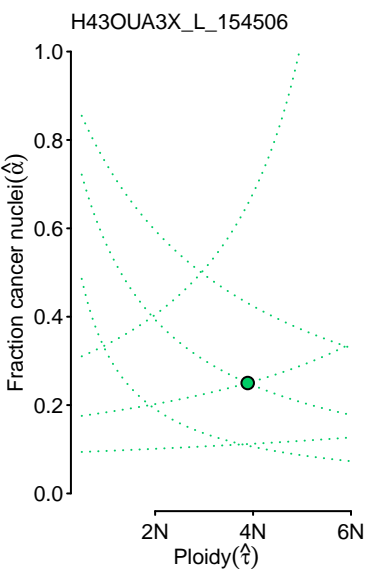
$\hat{p}_x = 0.4$, ploidy: $\hat{t} = 2.07$, $\hat{t}_g = 1.98$
 $\hat{\theta}_z = 0.25$, $\hat{\theta}_a = 1.285$, WGD=0
 SCNA LL = -339.23, SSNV LL = -4256.56, SCNA Ev = -111.9478



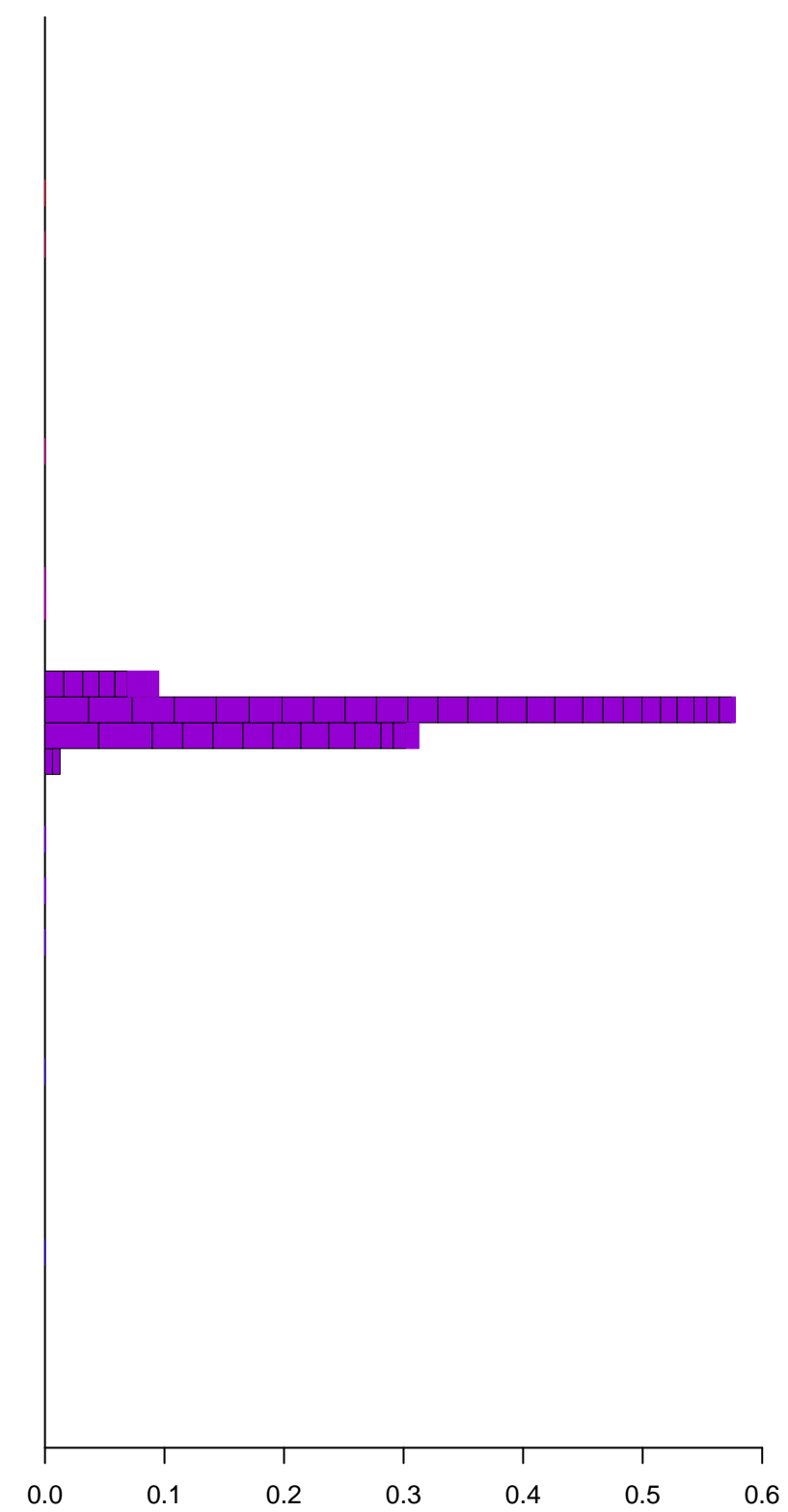
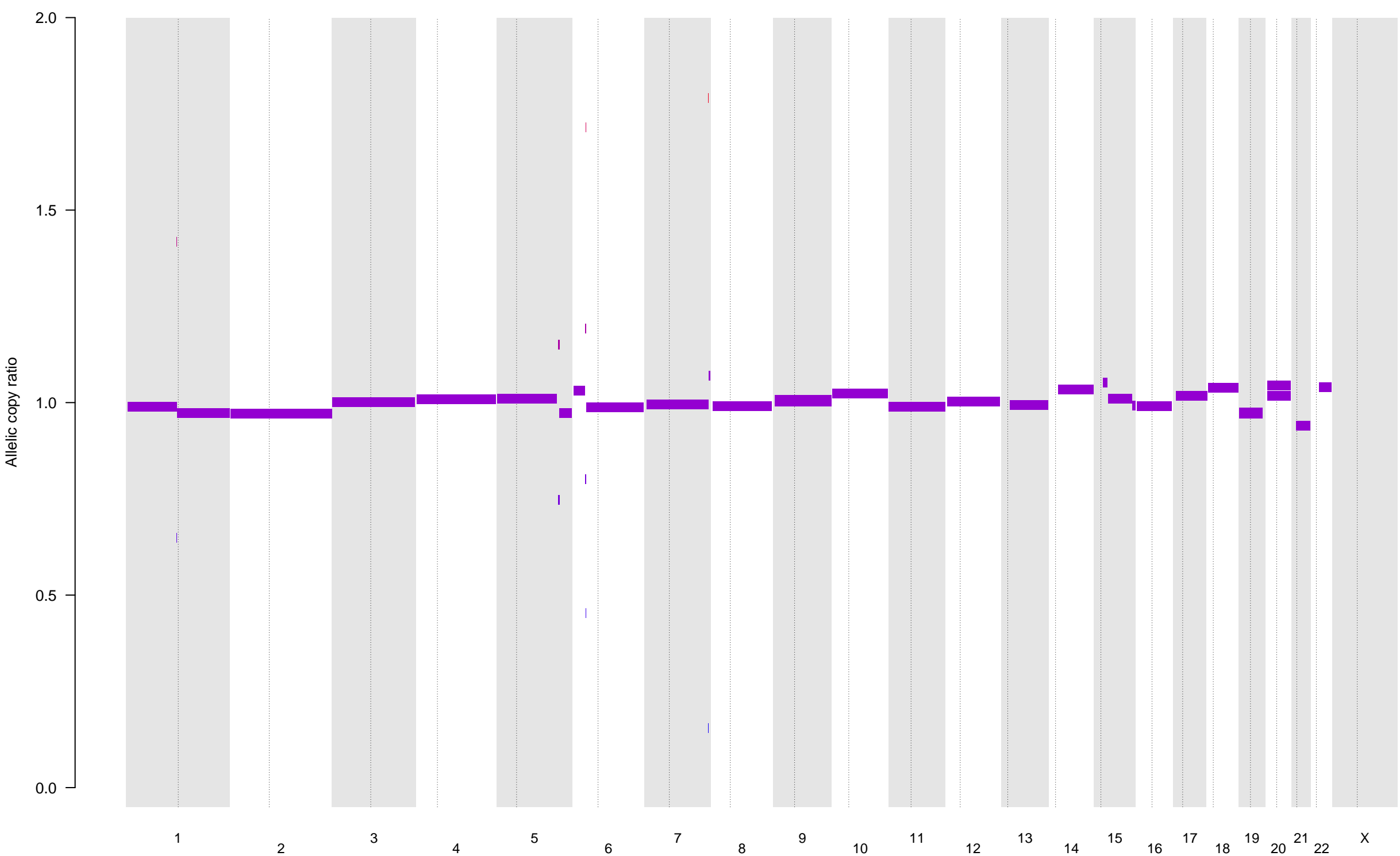
Sample 16



purity($\hat{\alpha}$) = 0.25, ploidy: $\hat{t} = 3.89, \hat{t}_g = 3.97$
 $\theta_z = 0.06, \theta_a = 2.369, WGD=2$
 SCNA LL = -410.08, SSNV LL = -2340.88, SCNA Ev = -142.8704

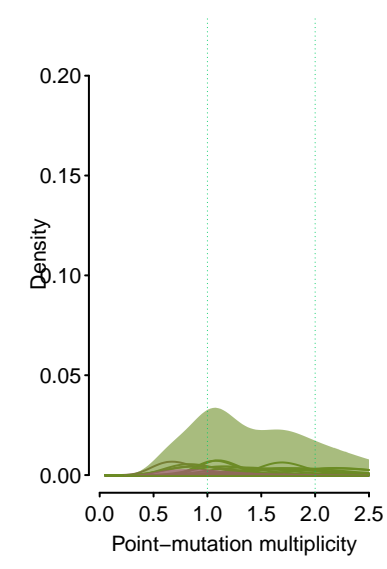
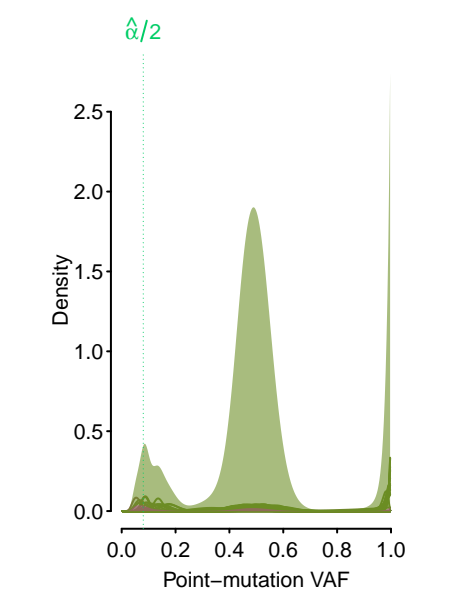
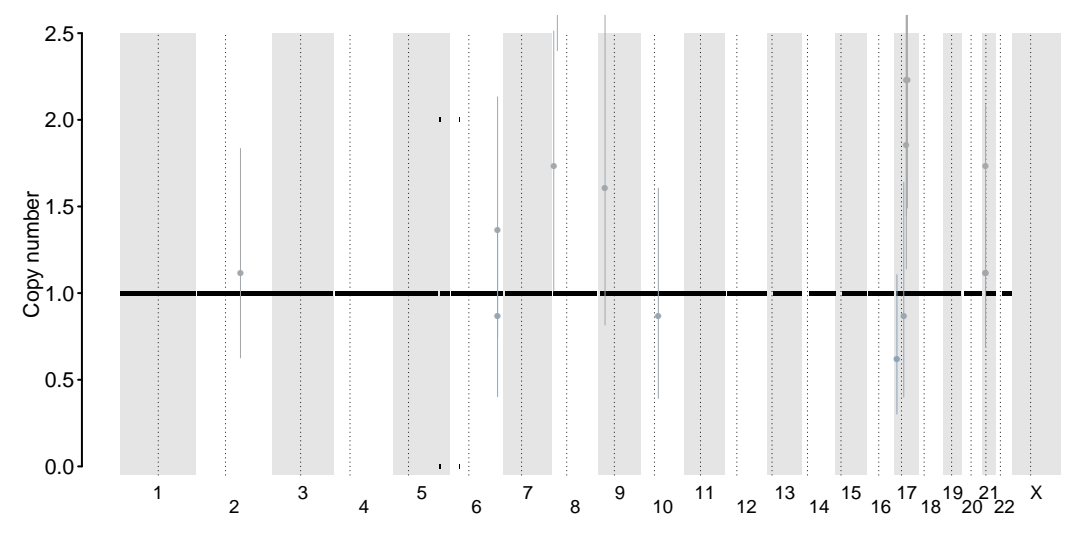
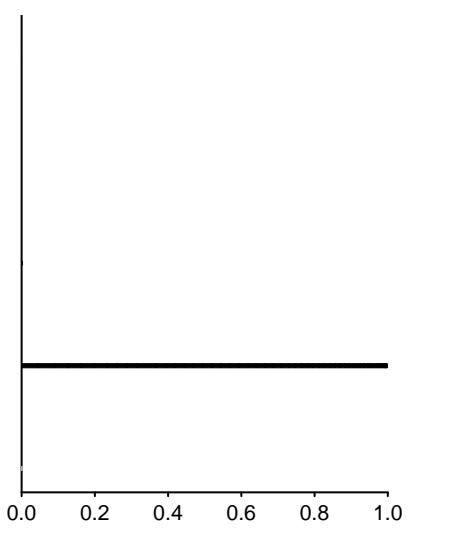
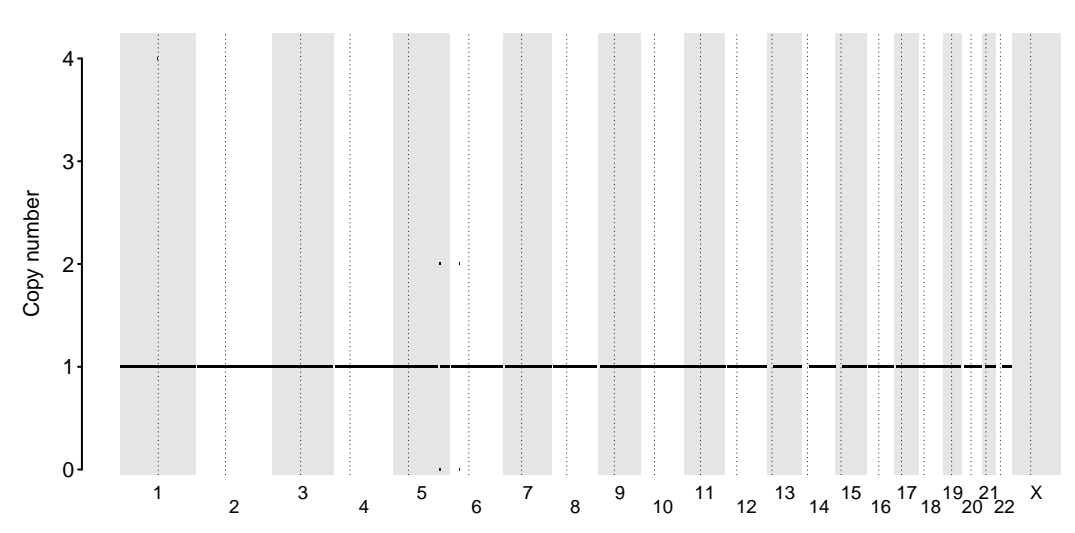
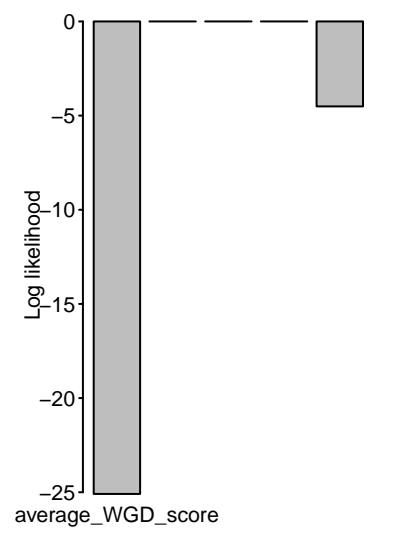
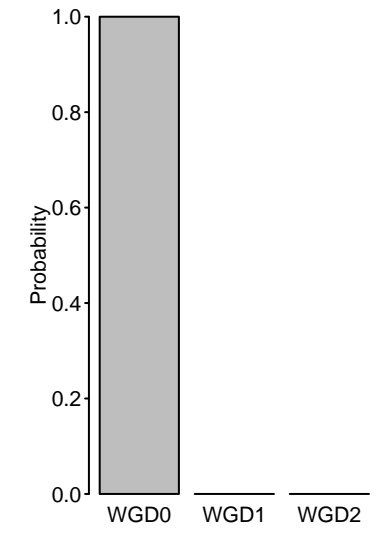
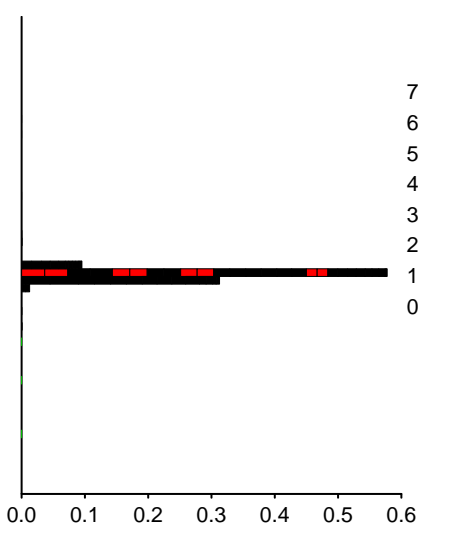
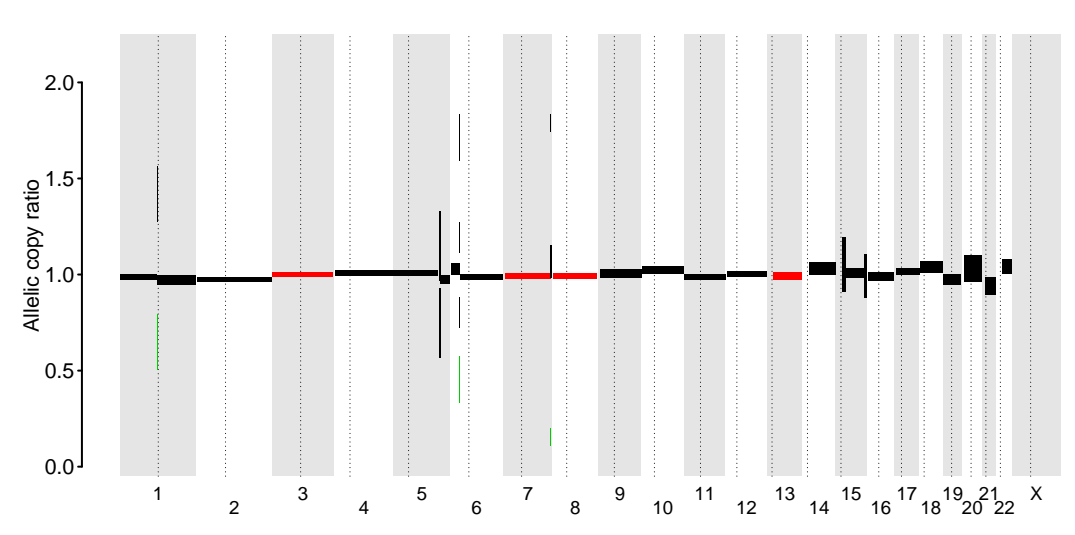
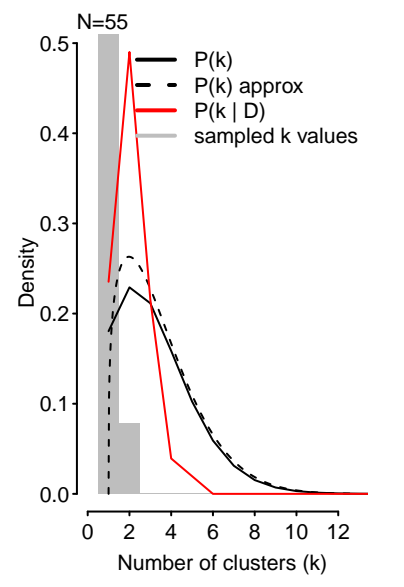
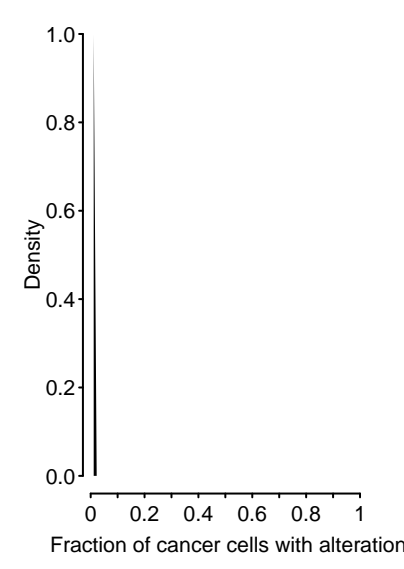
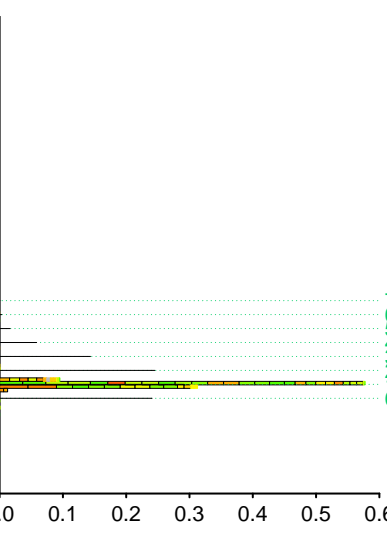
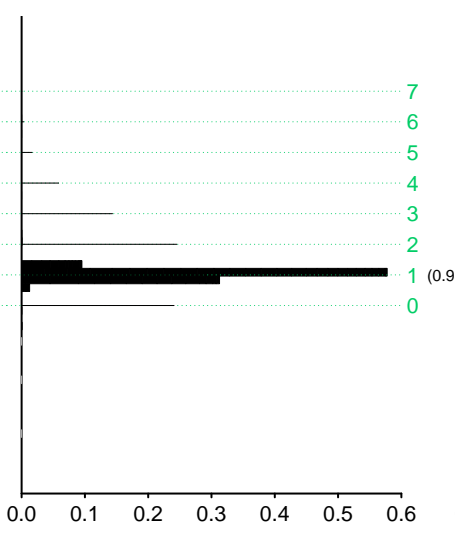
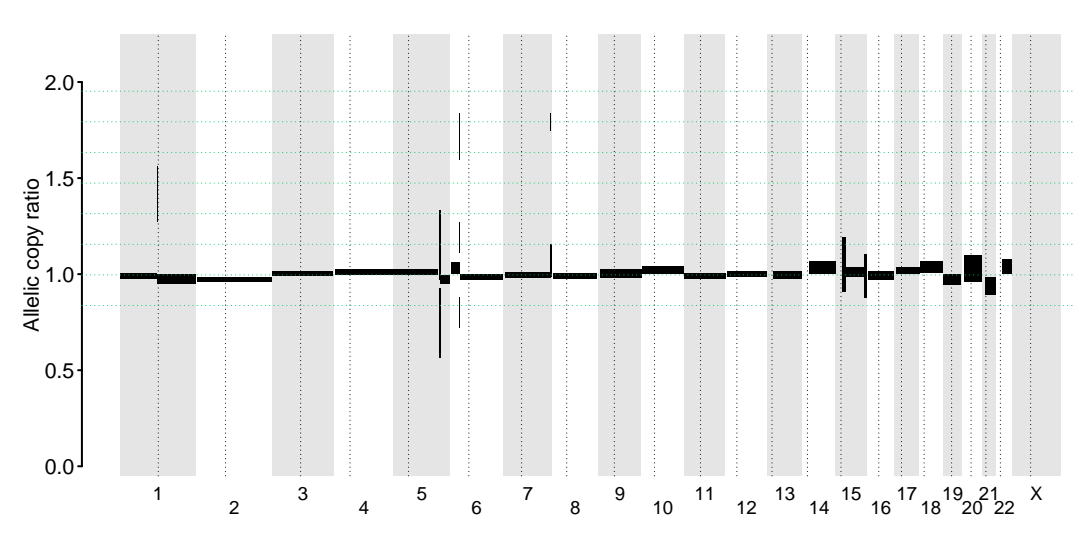
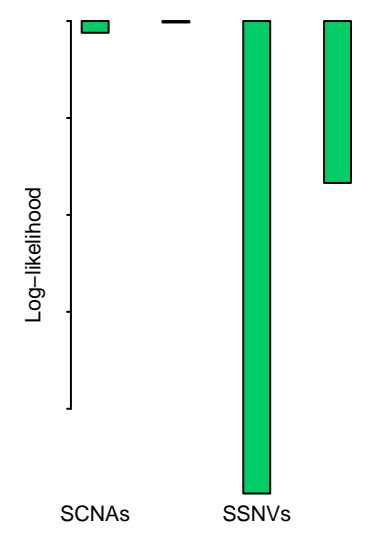
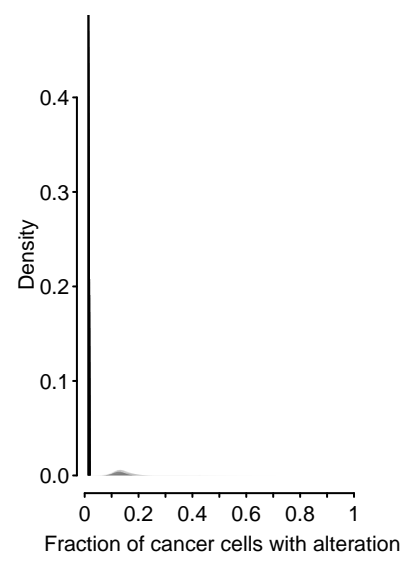
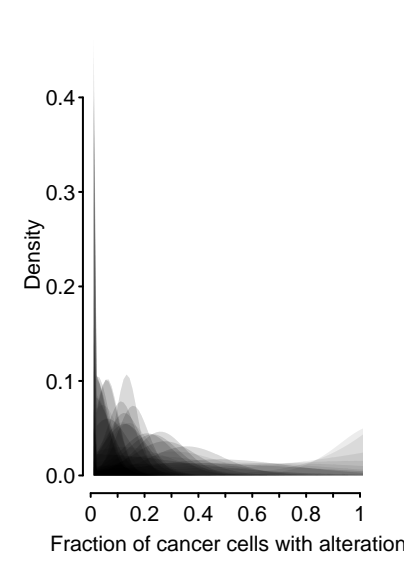
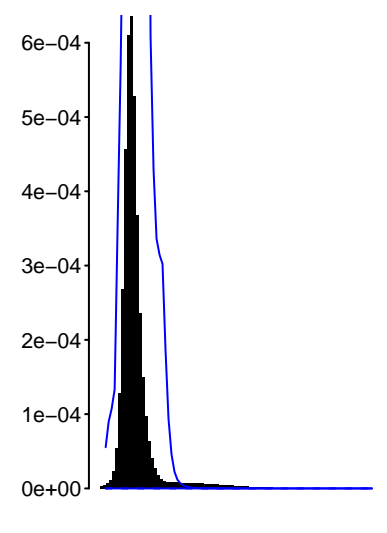
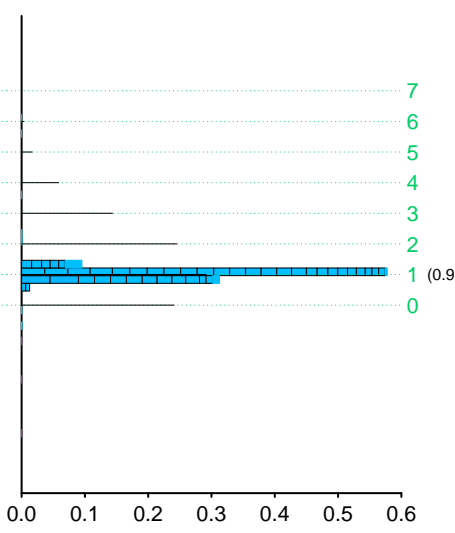
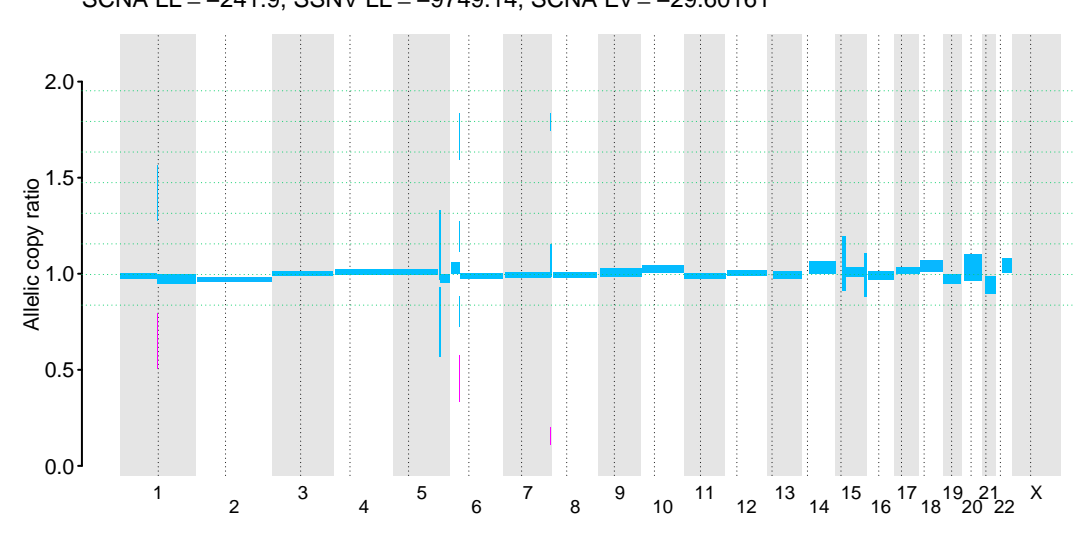
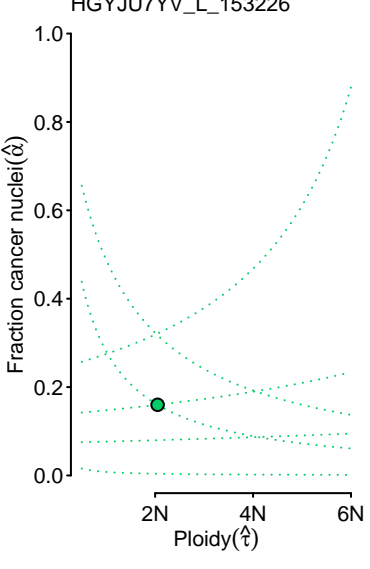


Sample 17

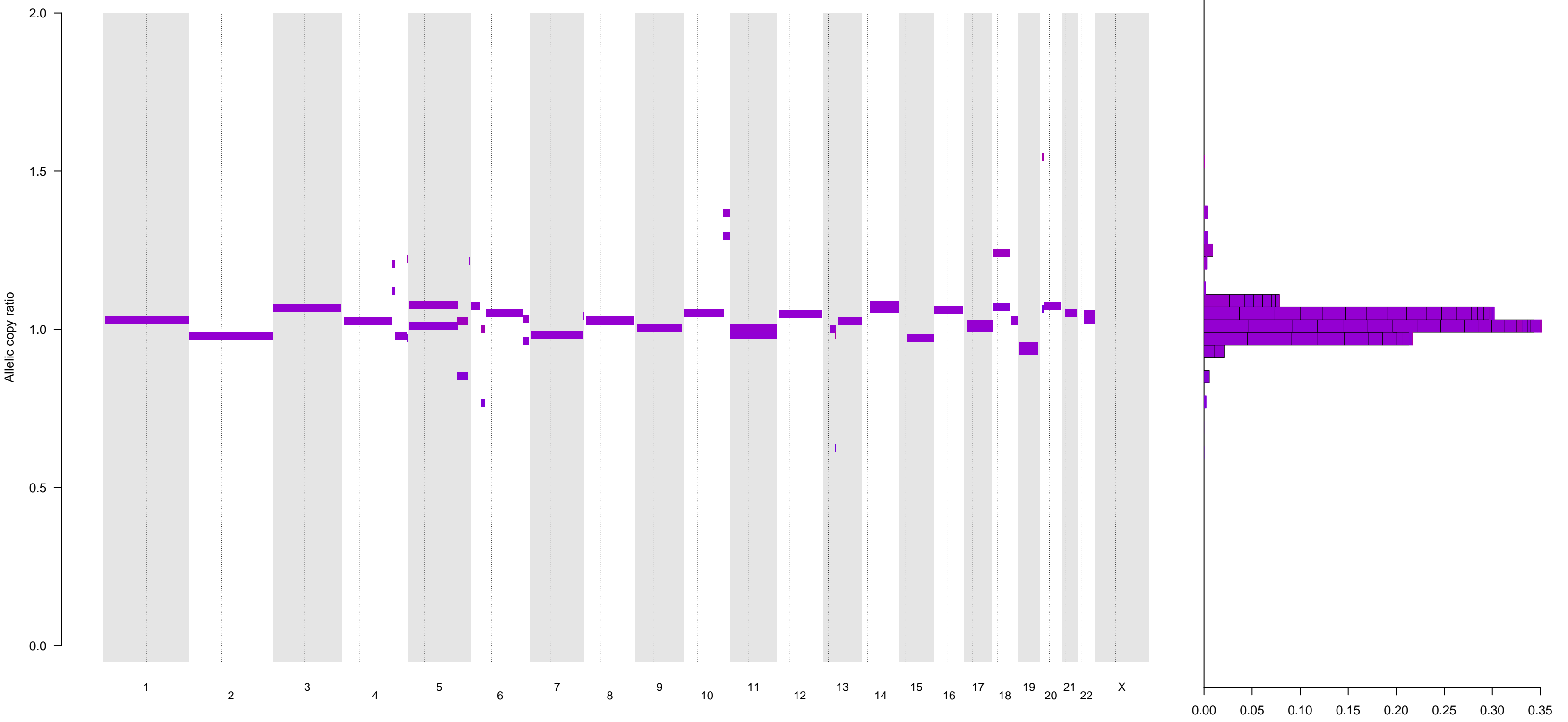


HGYJU7YV_L_153226

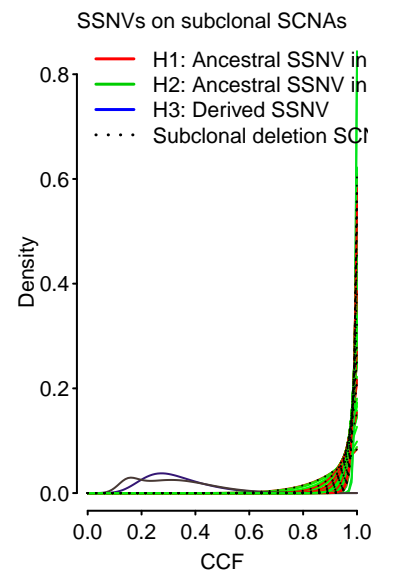
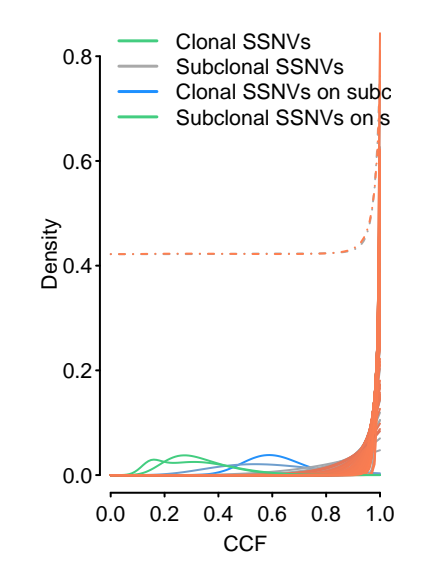
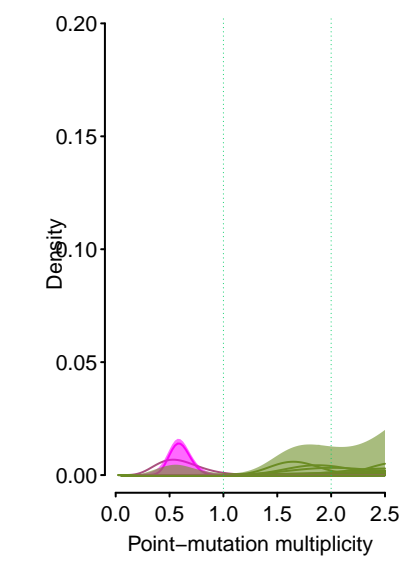
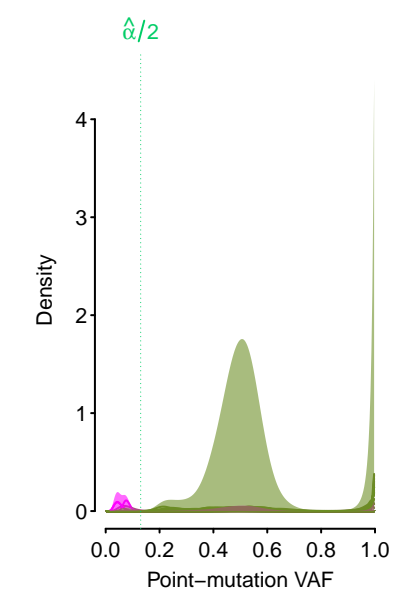
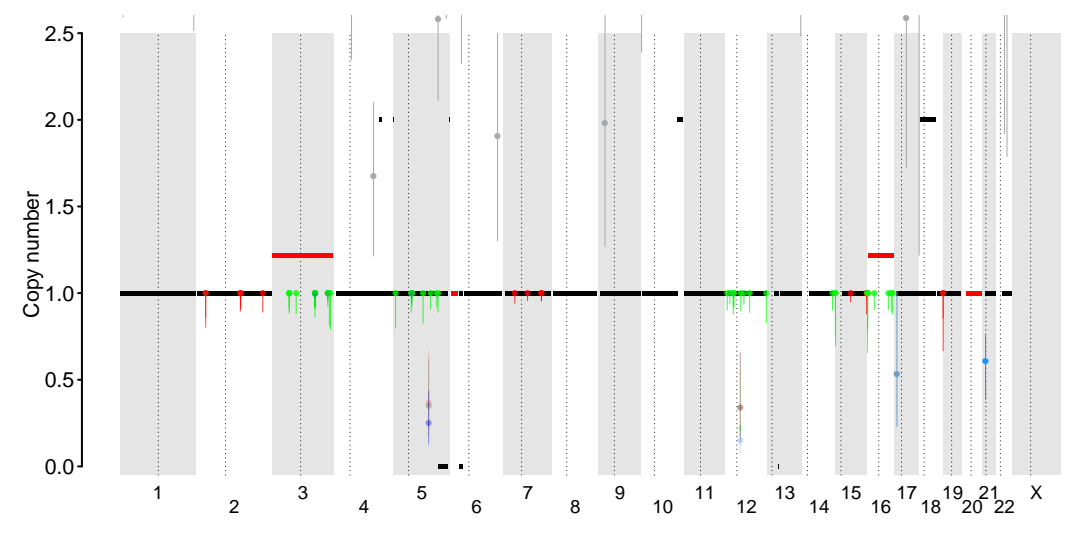
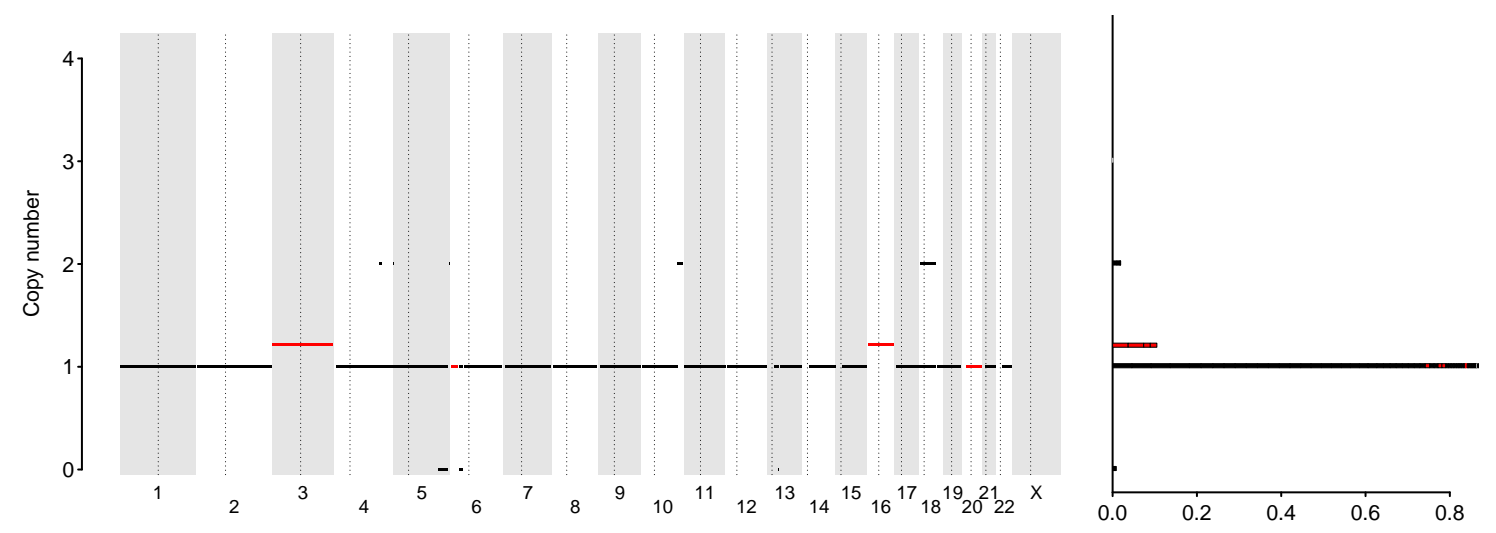
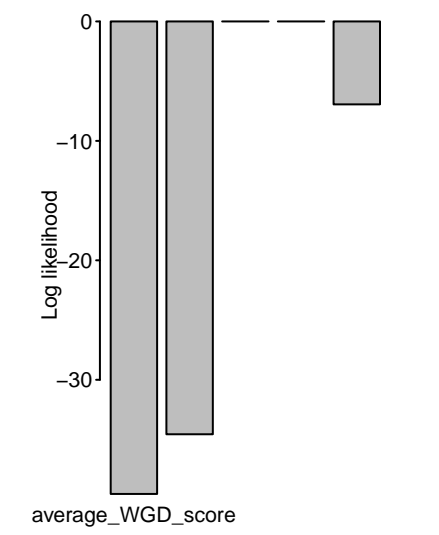
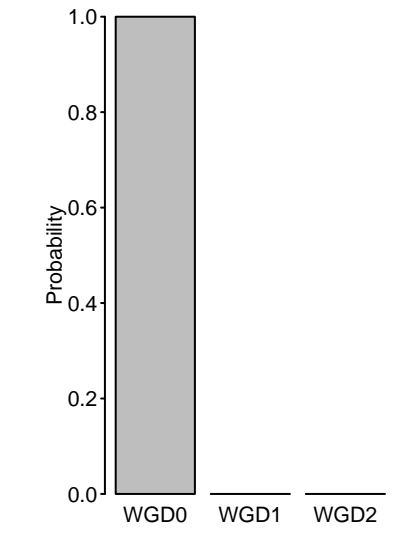
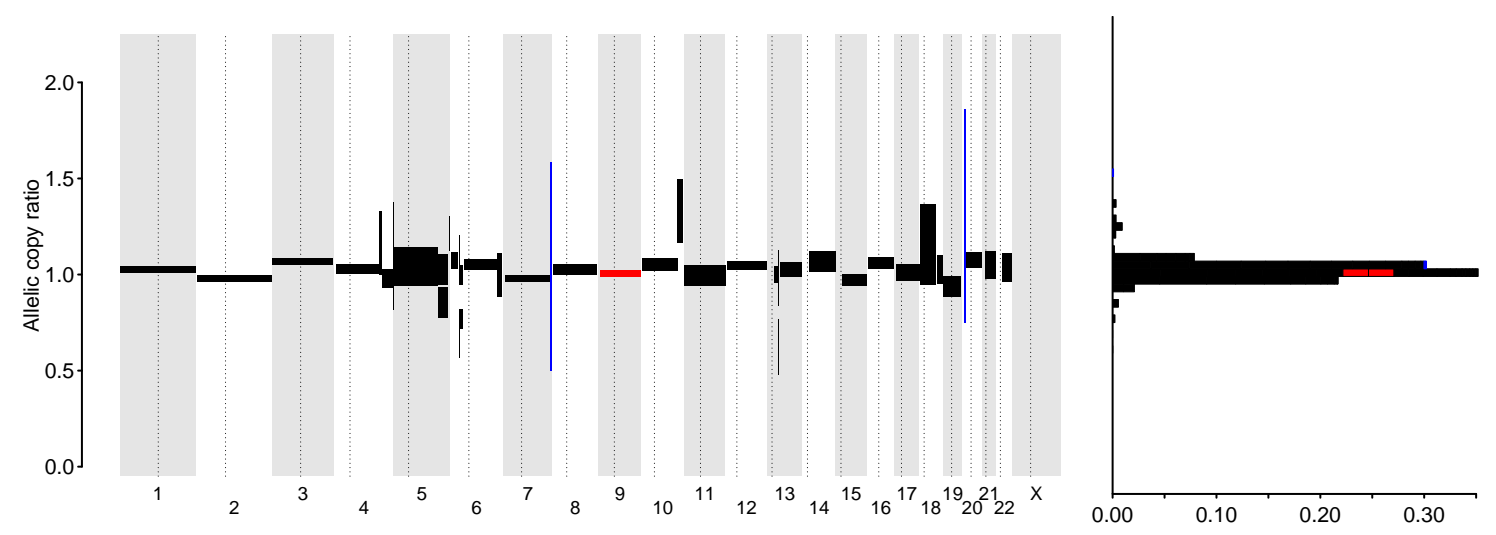
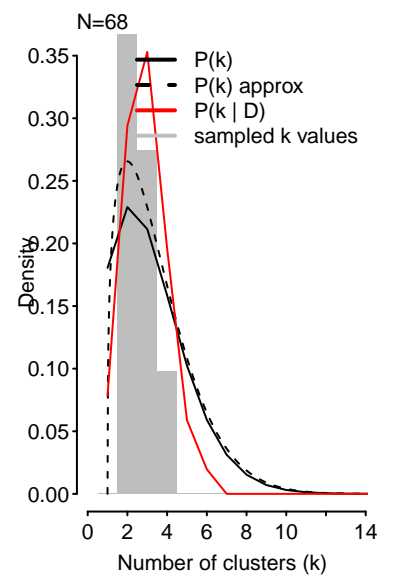
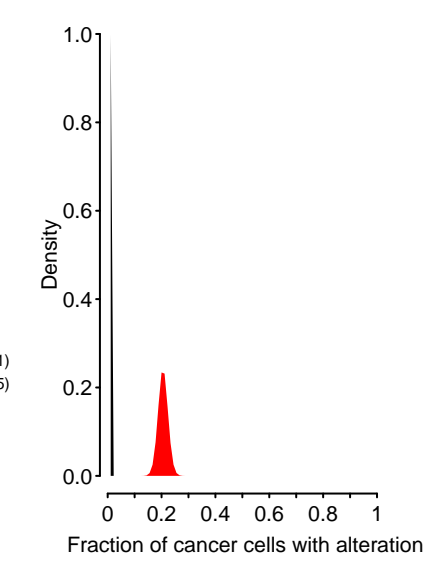
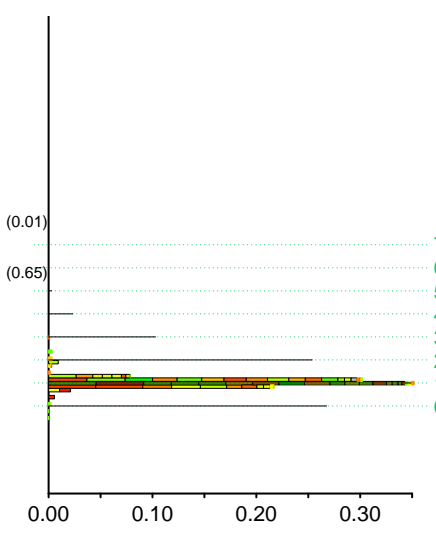
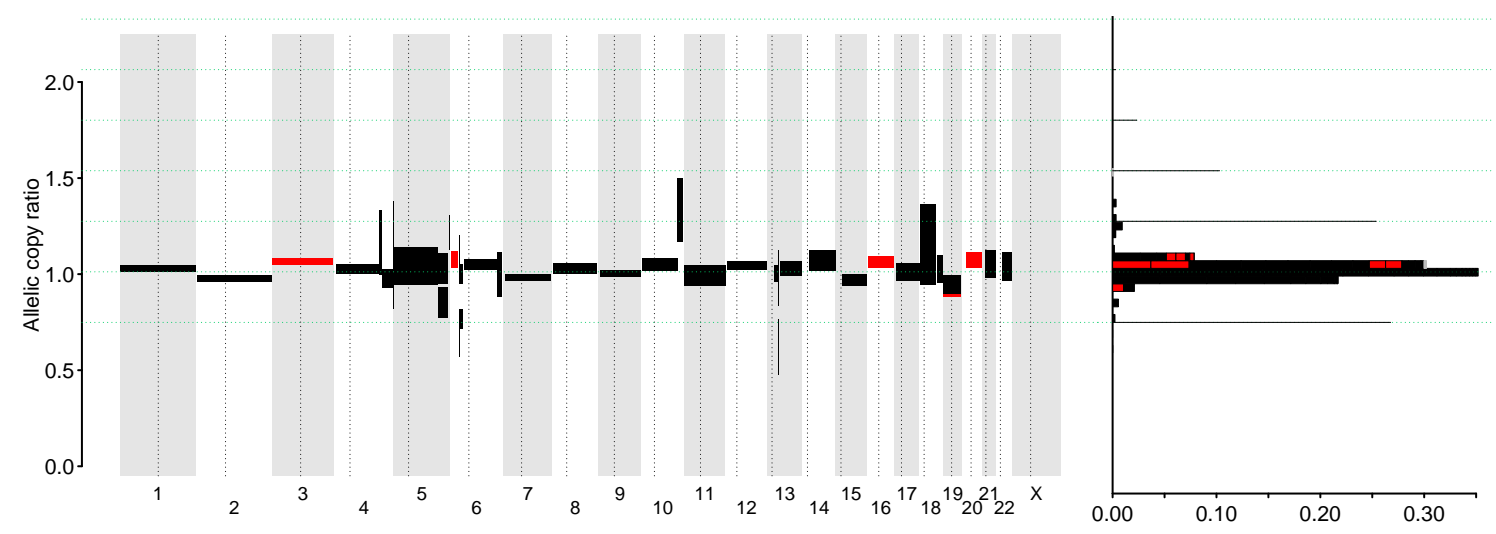
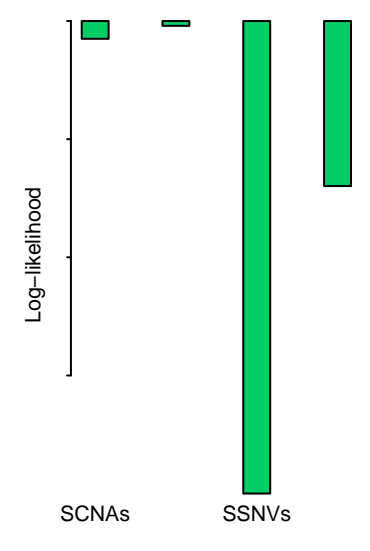
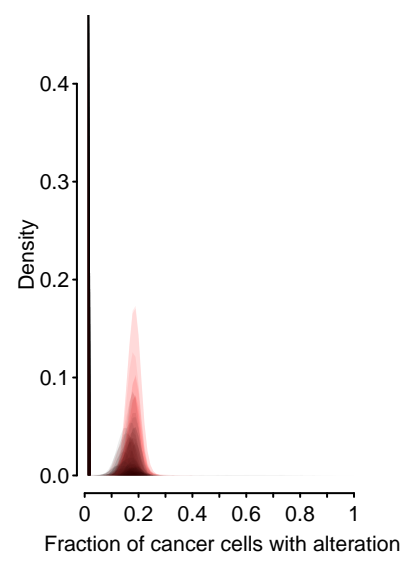
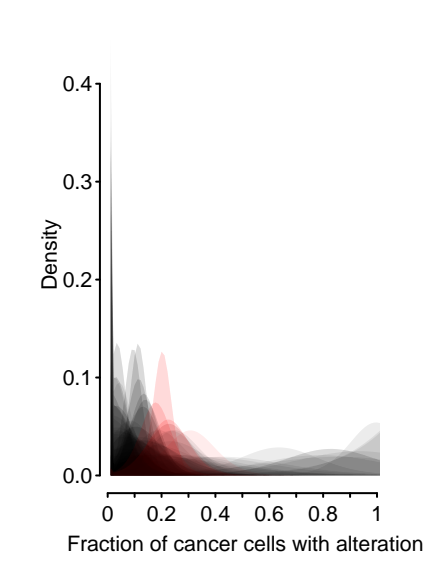
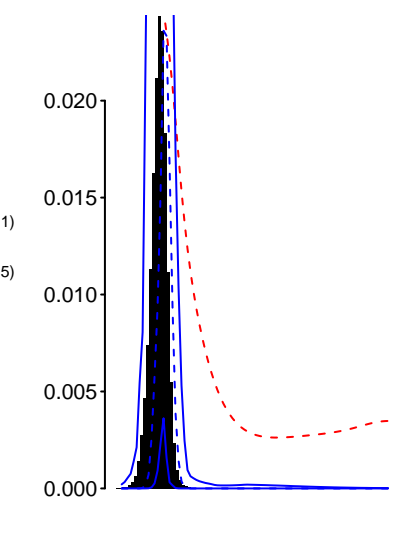
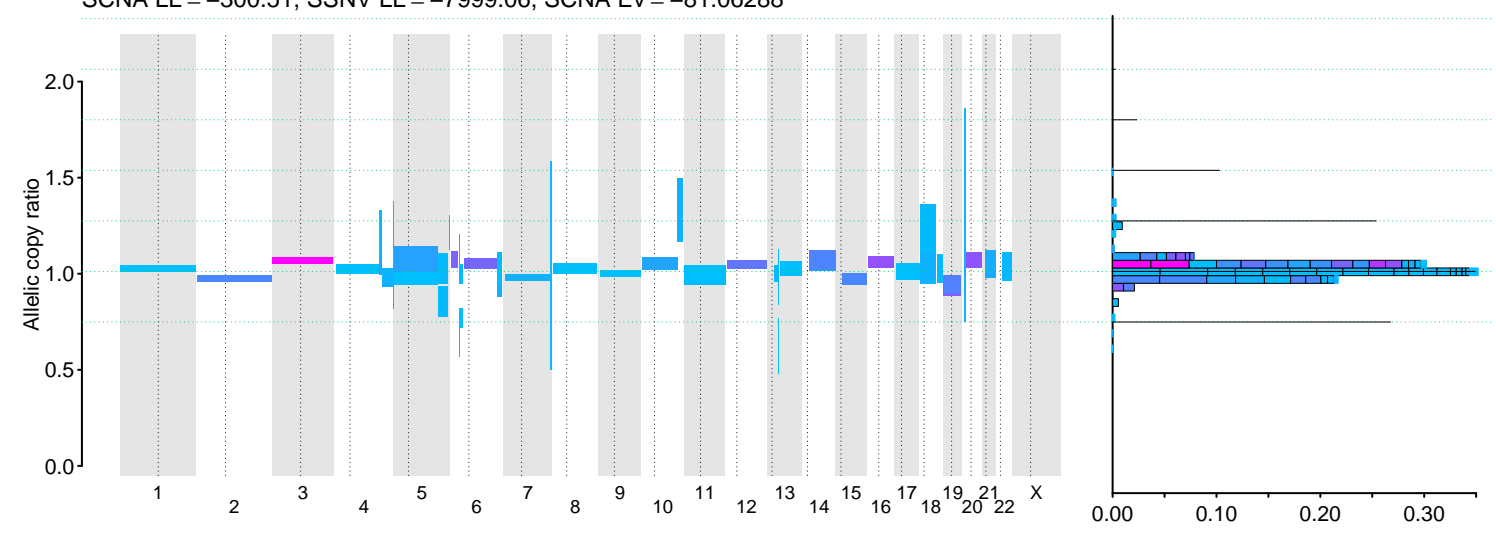
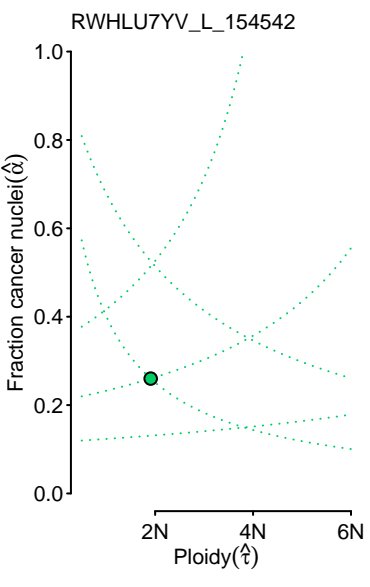
purity($\hat{\alpha}$) = 0.16, ploidy: $\hat{t} = 2.05$, $\hat{t}_g = 2$
 $\theta_z = 0.01$, $\theta_a = 1.66$, WGD=0
SCNA LL = -241.9, SSNV LL = -9749.14, SCNA Ev = -29.60161



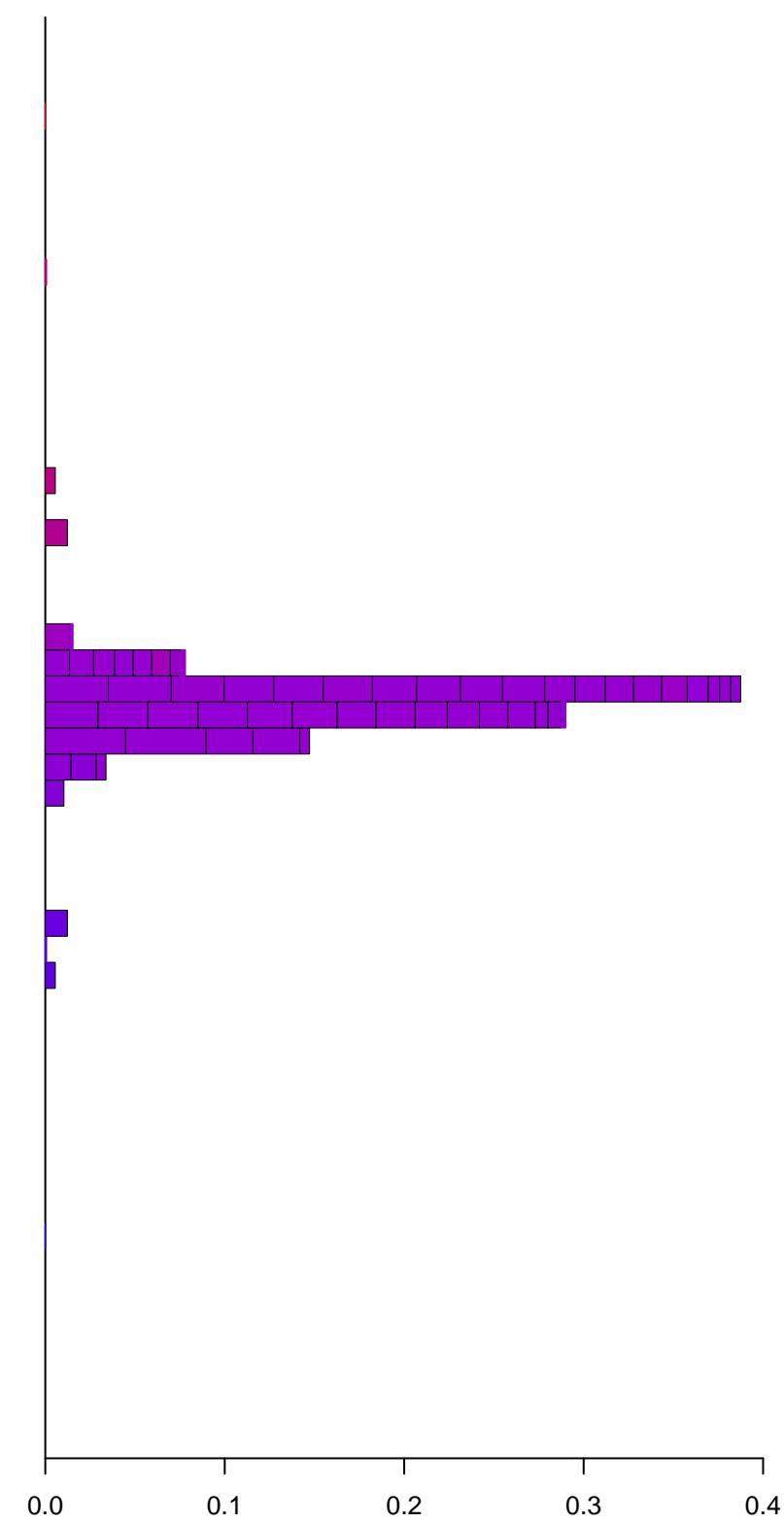
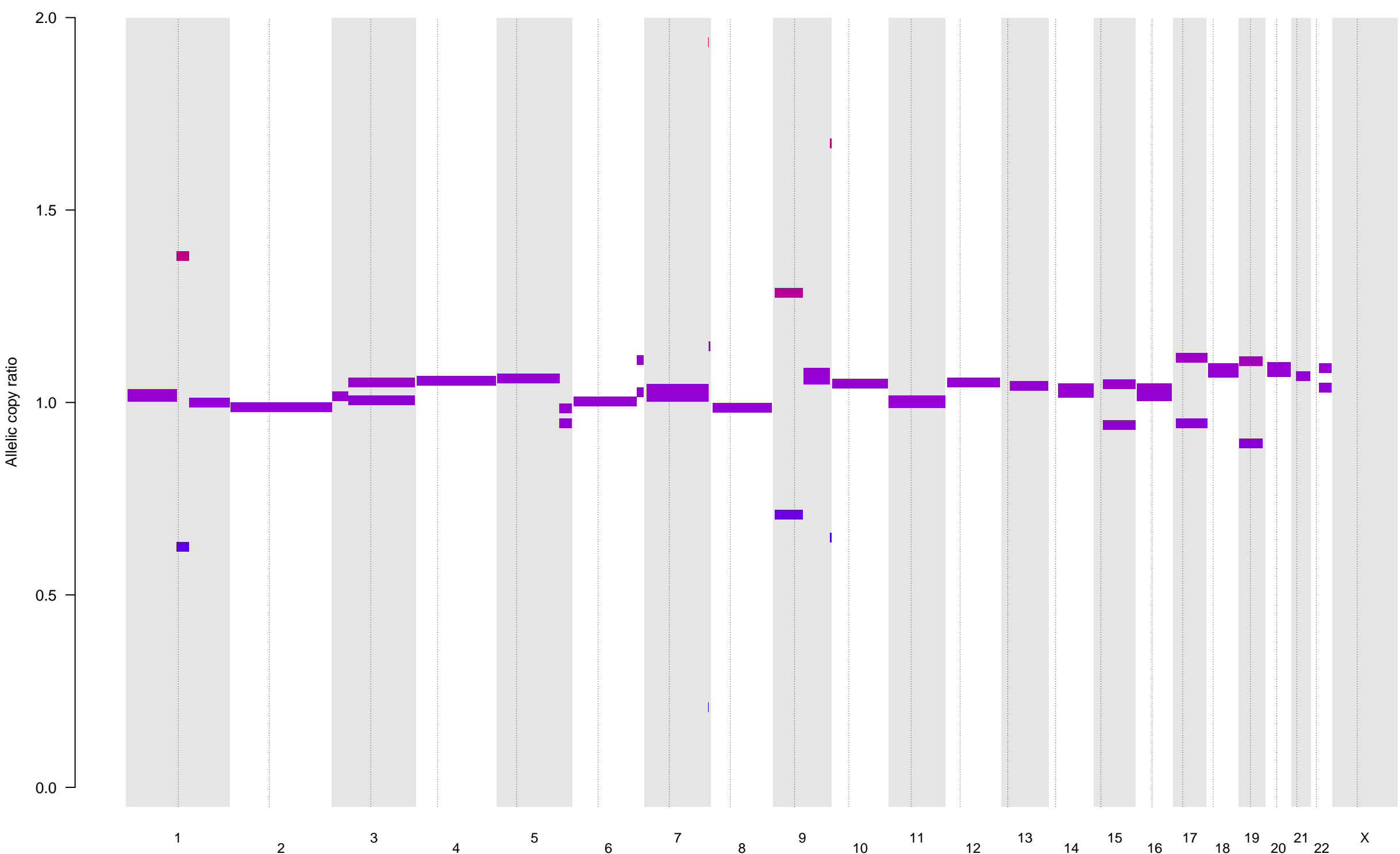
Sample 20



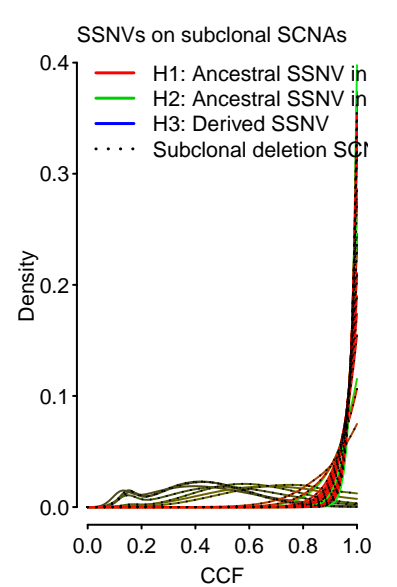
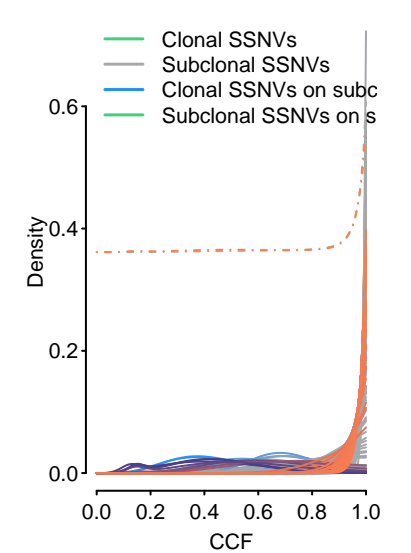
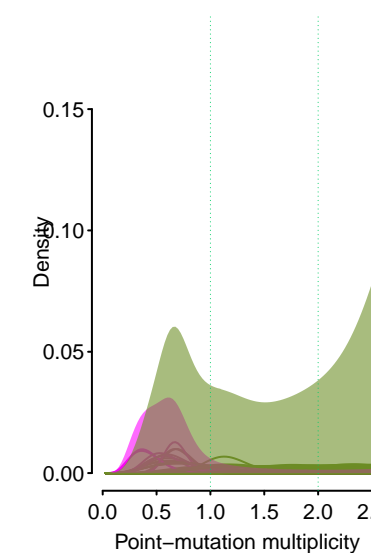
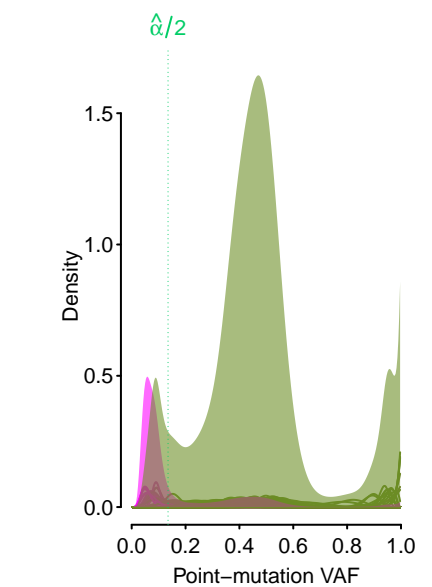
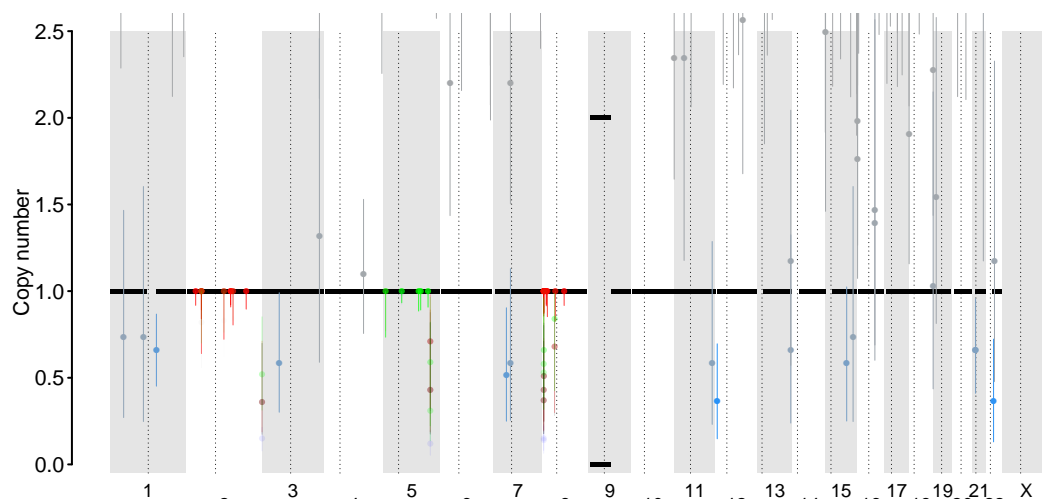
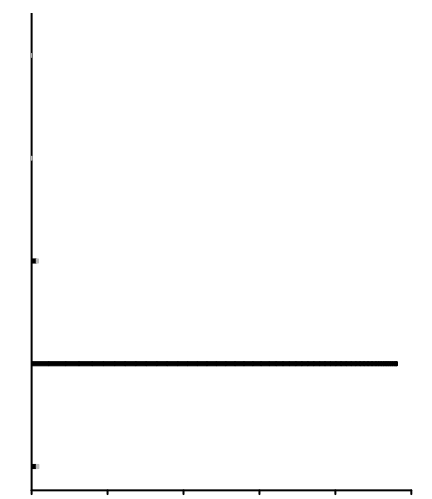
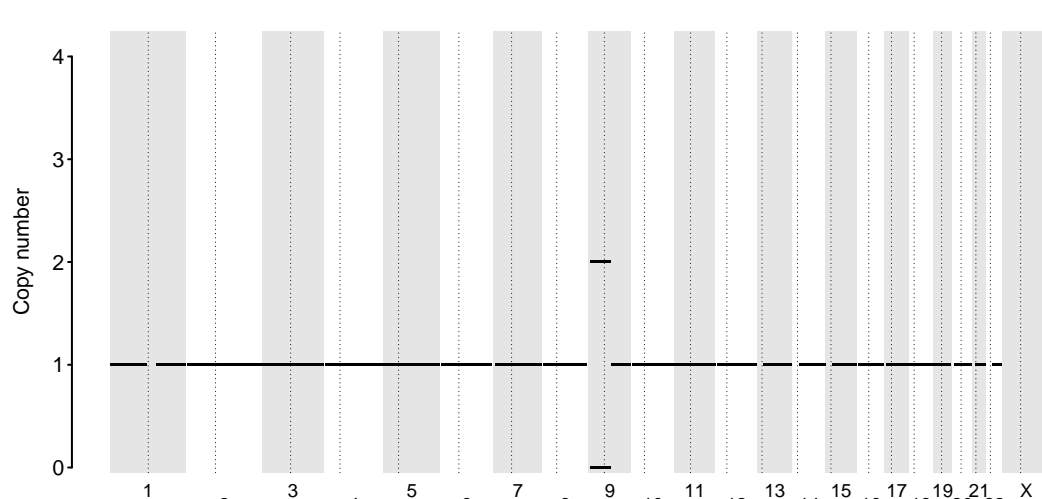
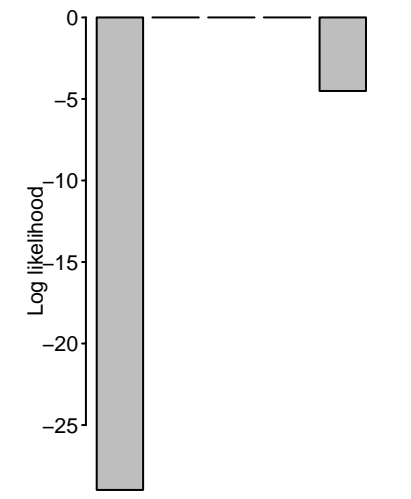
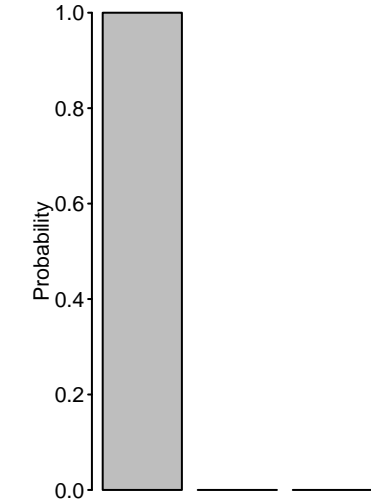
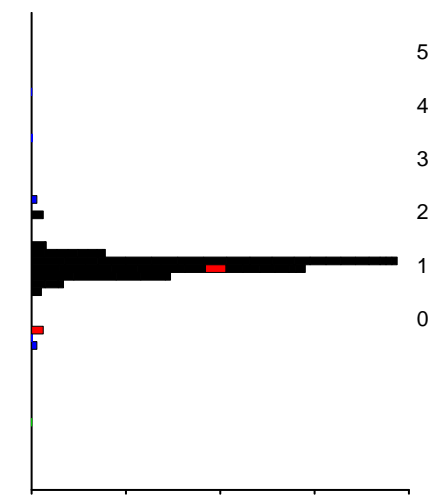
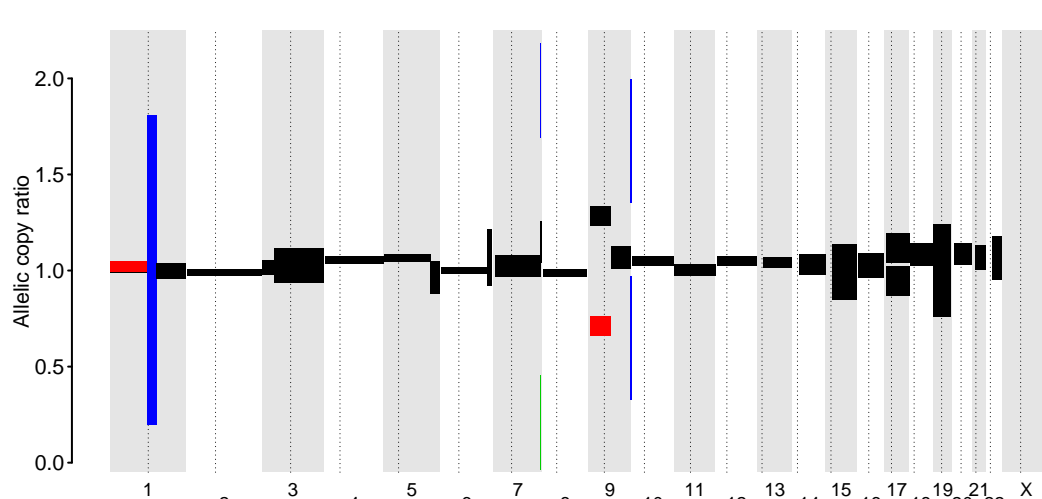
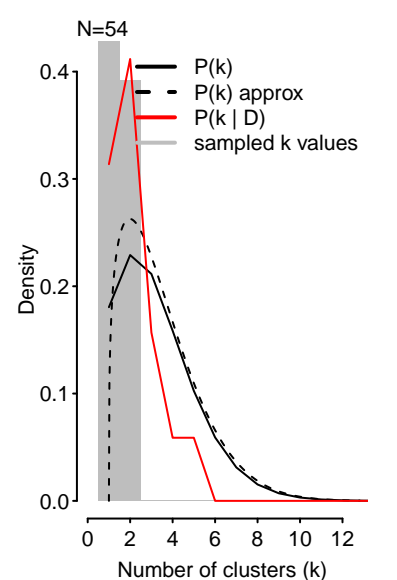
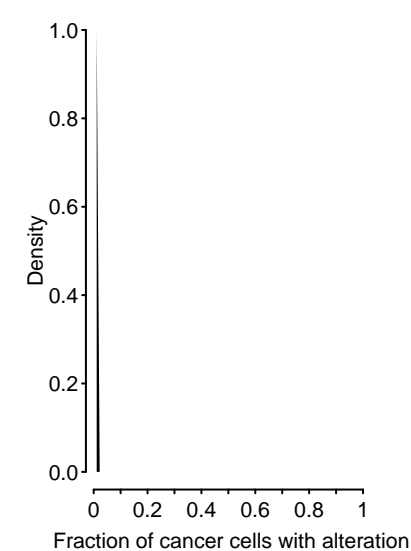
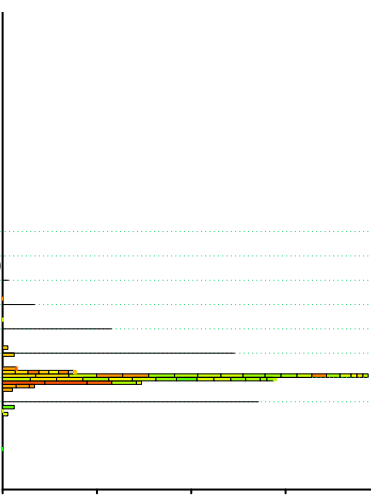
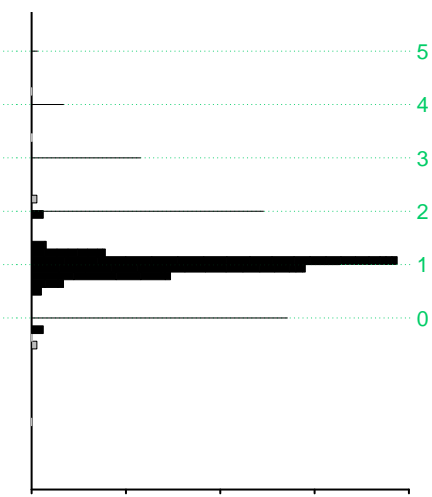
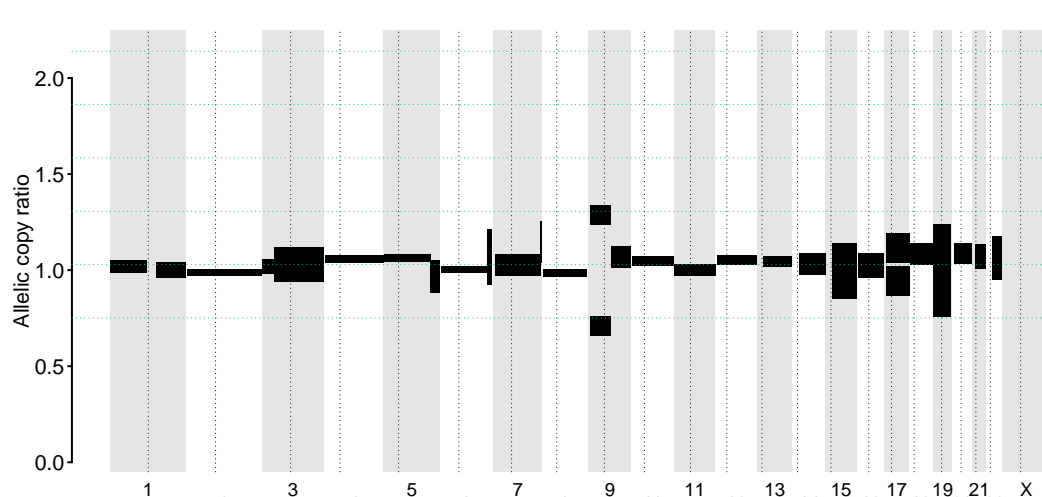
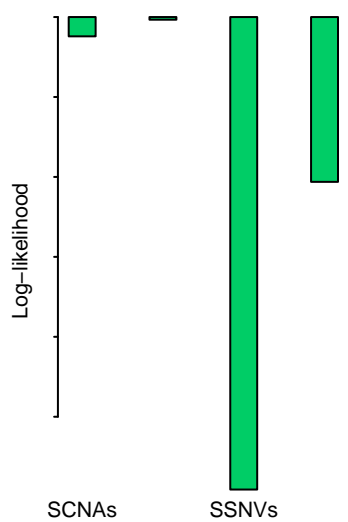
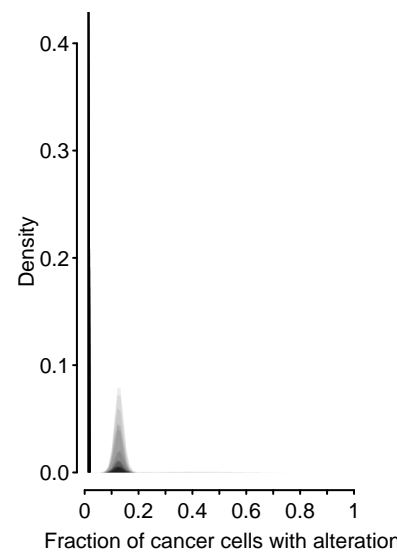
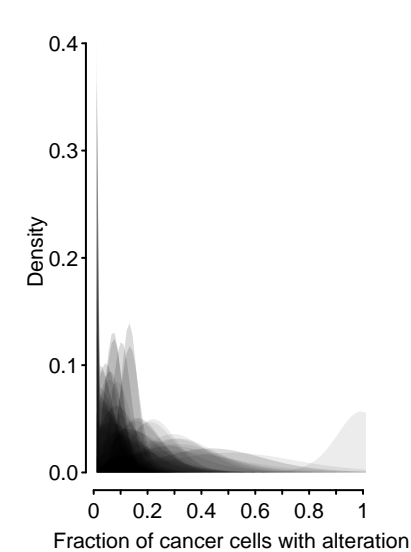
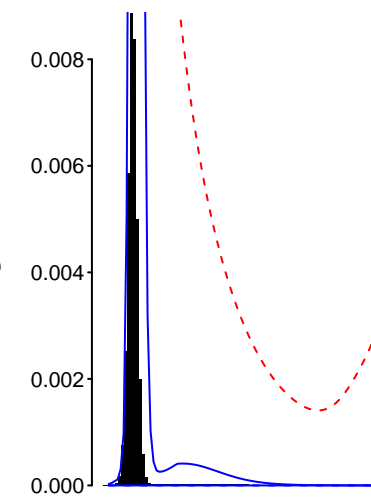
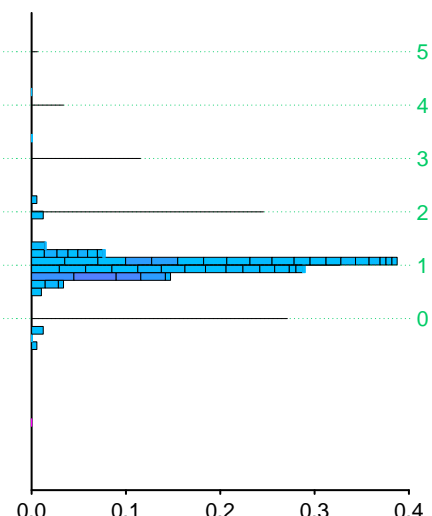
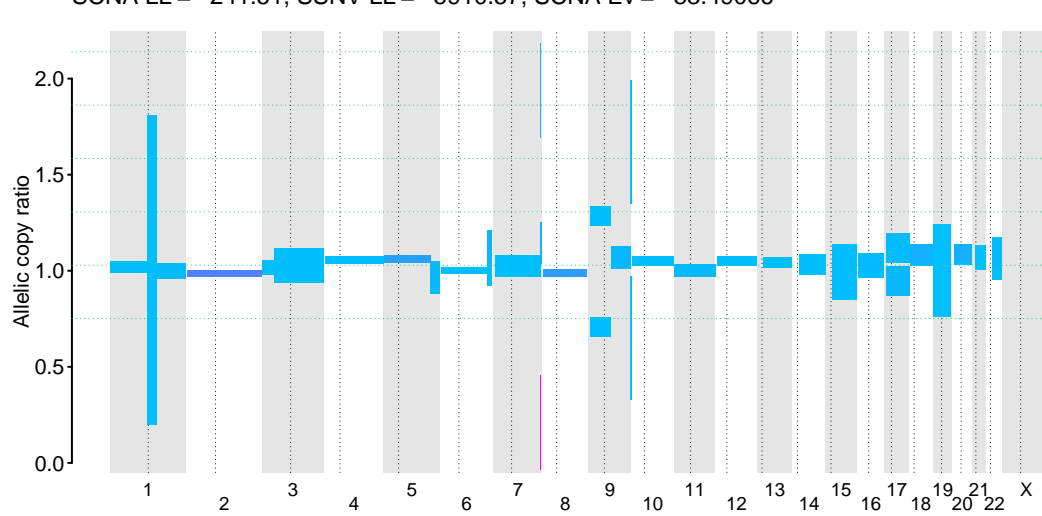
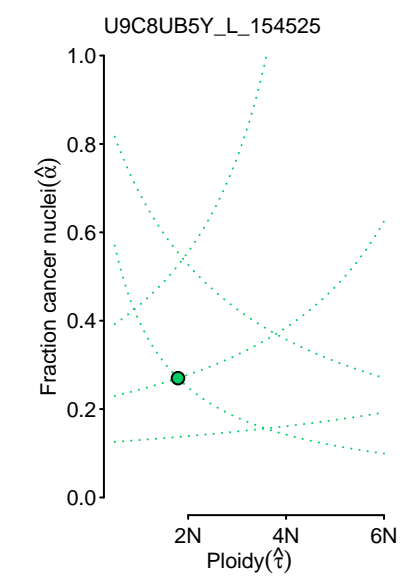
$\hat{\alpha} = 0.26$, ploidy: $\hat{\tau} = 1.91$, $\hat{\tau}_g = 2.03$
 $\theta_z = 0.21$, $\theta_a = 1.309$, WGD=0
 SCNA LL = -300.51, SSNV LL = -7999.06, SCNA Ev = -81.06288



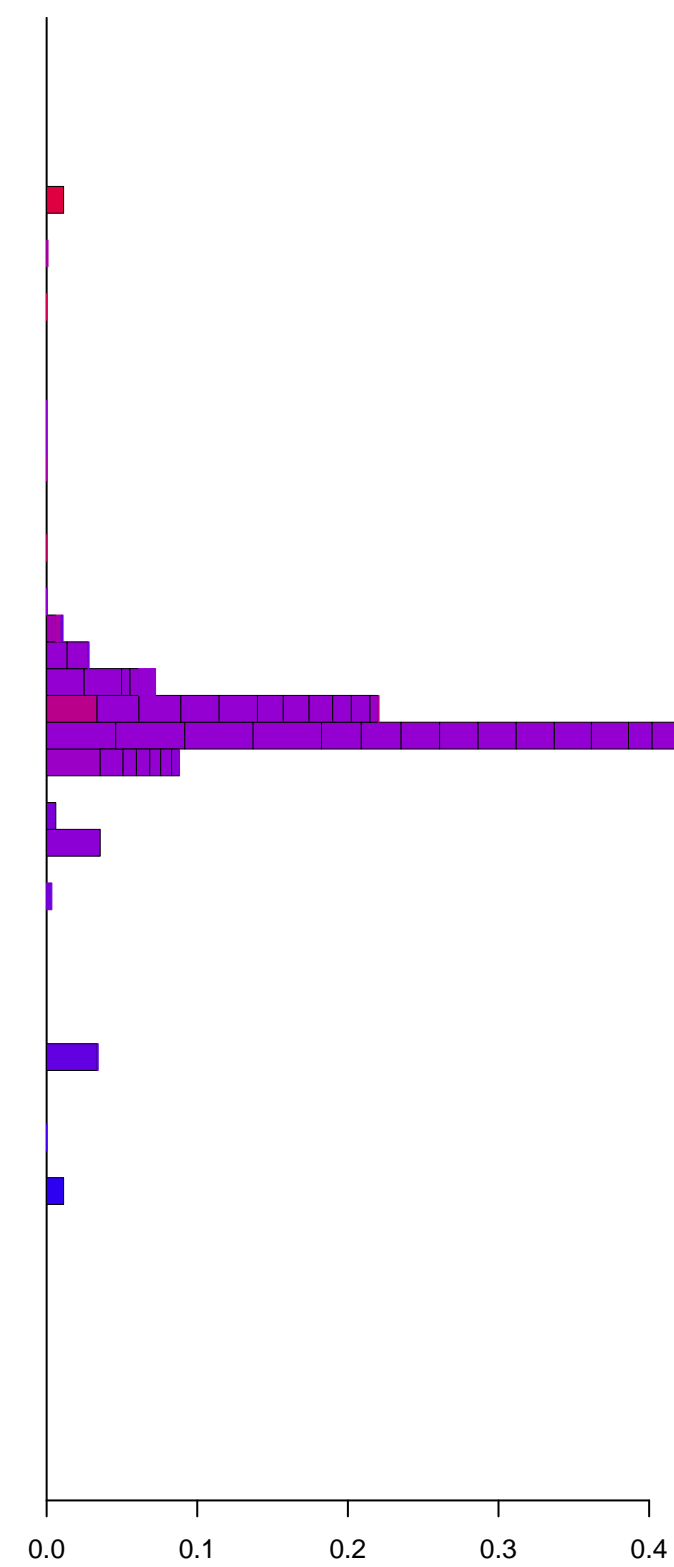
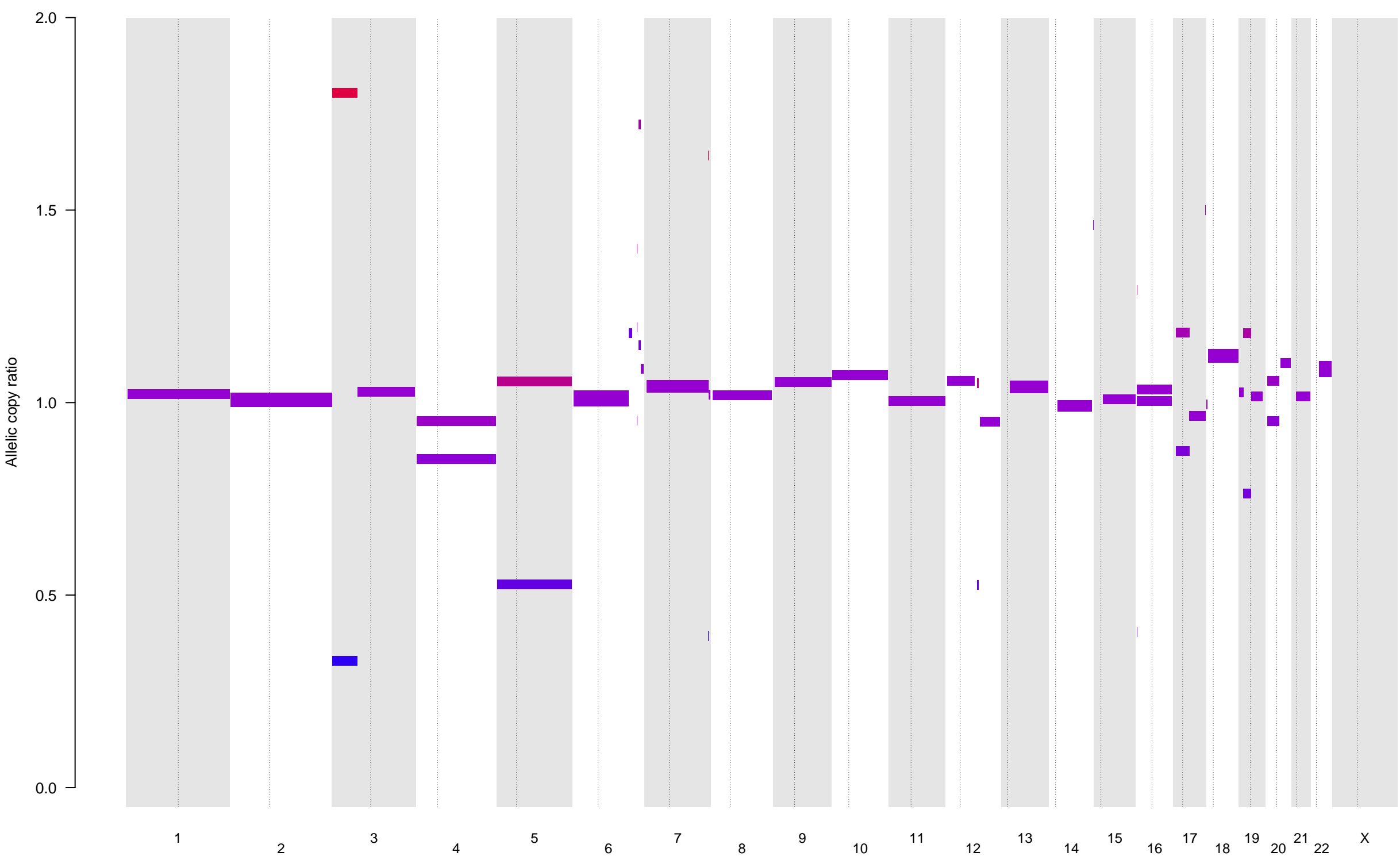
Sample 21

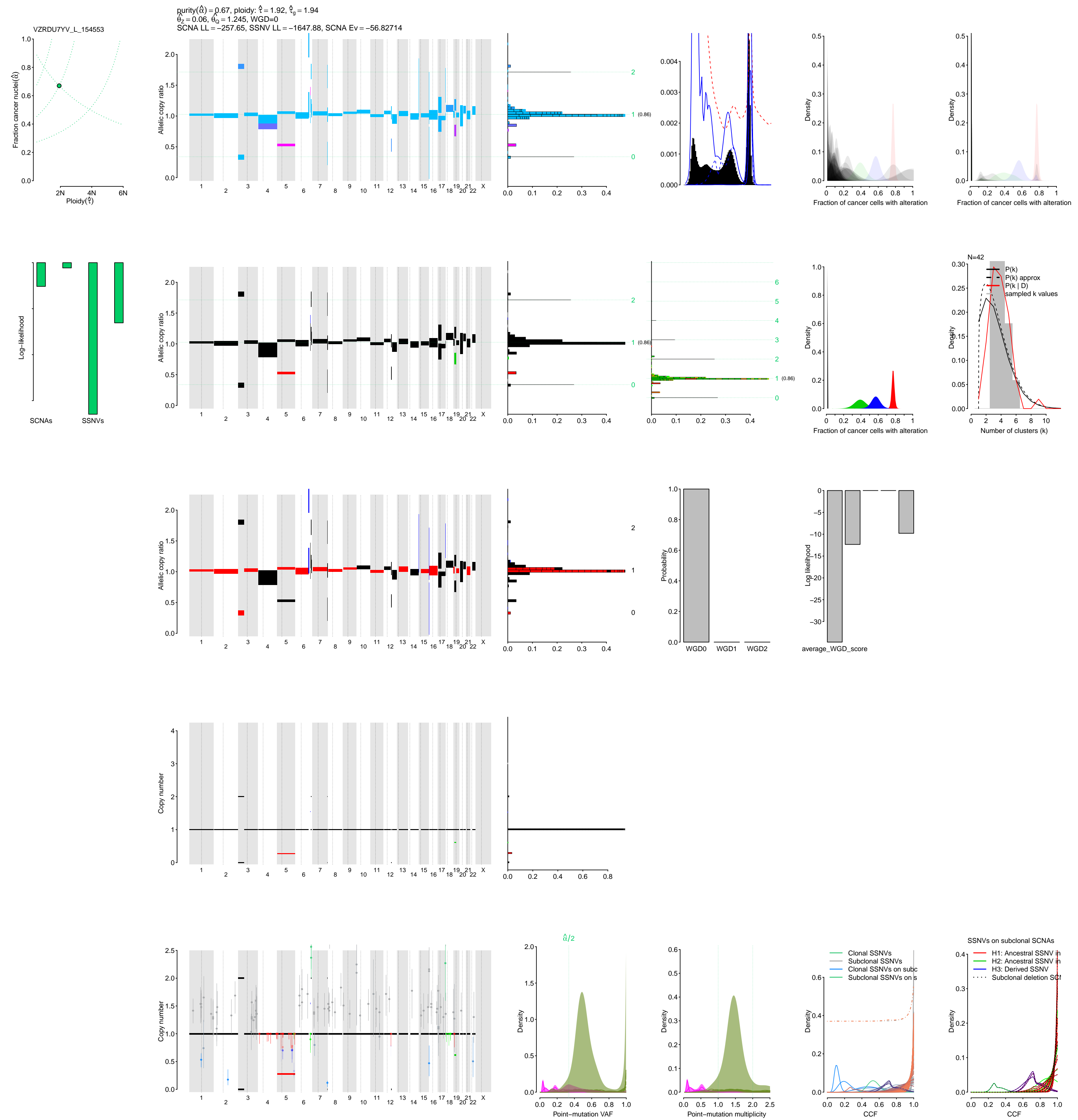


$\hat{\alpha} = 0.27$, ploidy: $\hat{\tau} = 1.79$, $\hat{\tau}_g = 2$
 $\theta_z = 0.05$, $\theta_Q = 1.456$, WGD=0
 SCNA LL = -241.51, SSNV LL = -5910.57, SCNA Ev = -33.49066

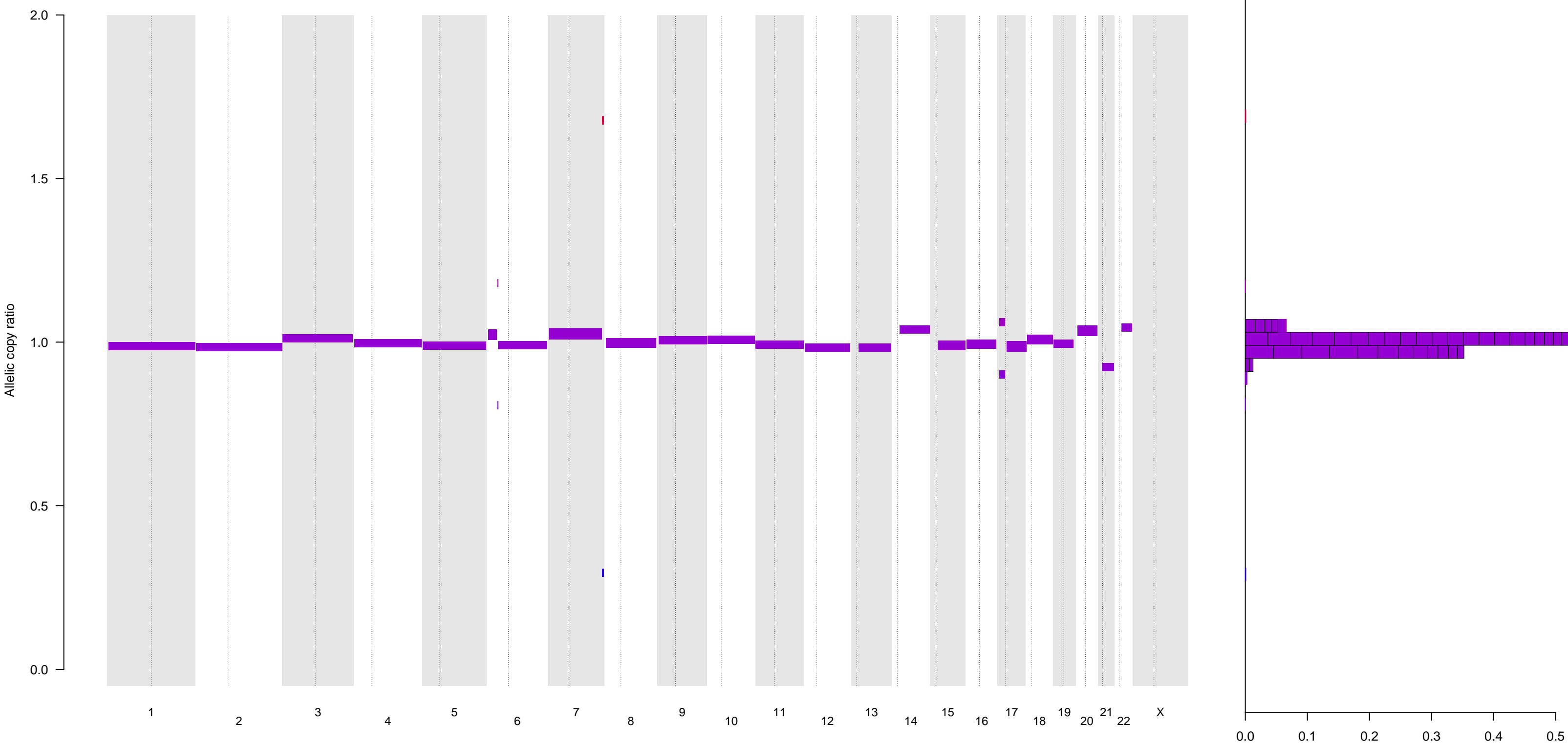


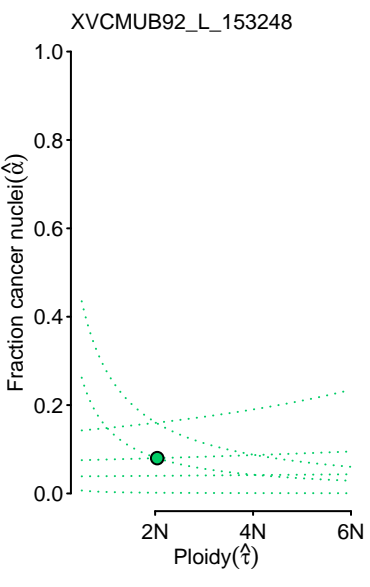
Sample 22



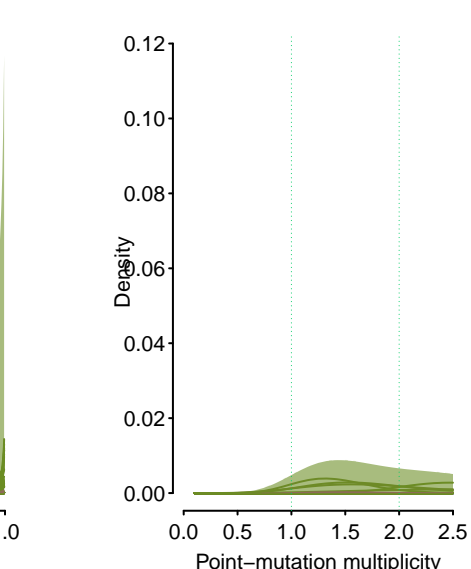
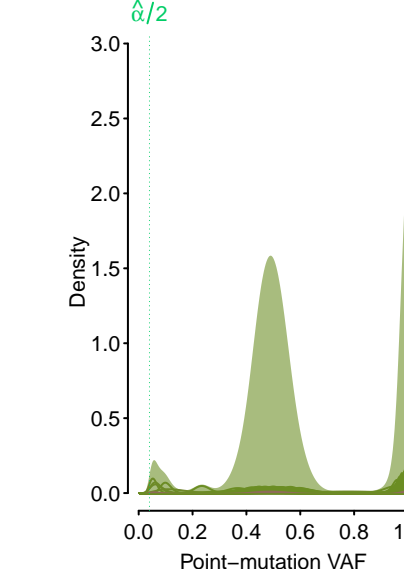
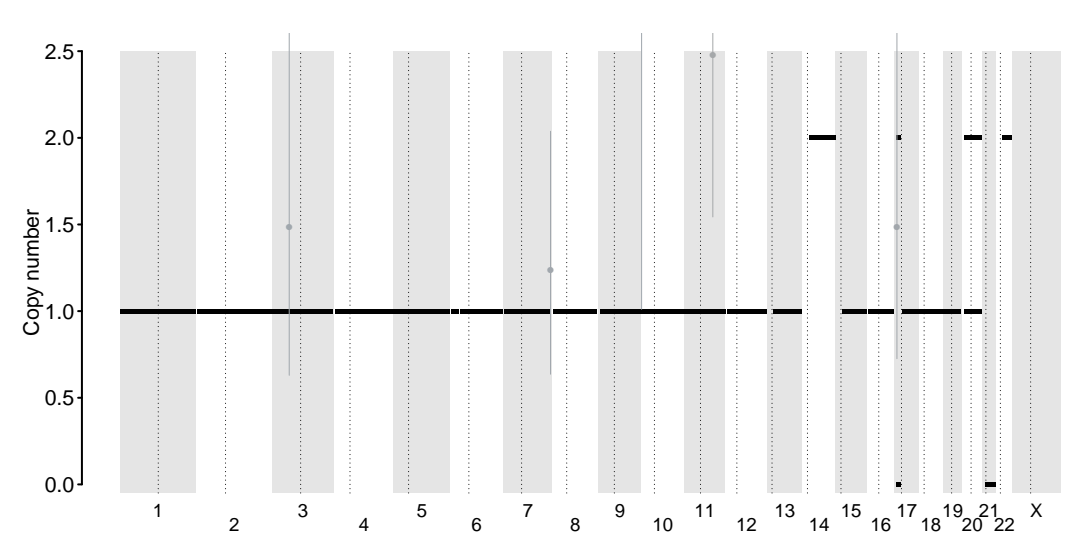
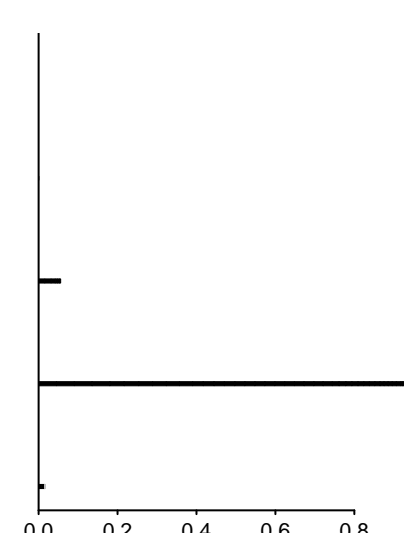
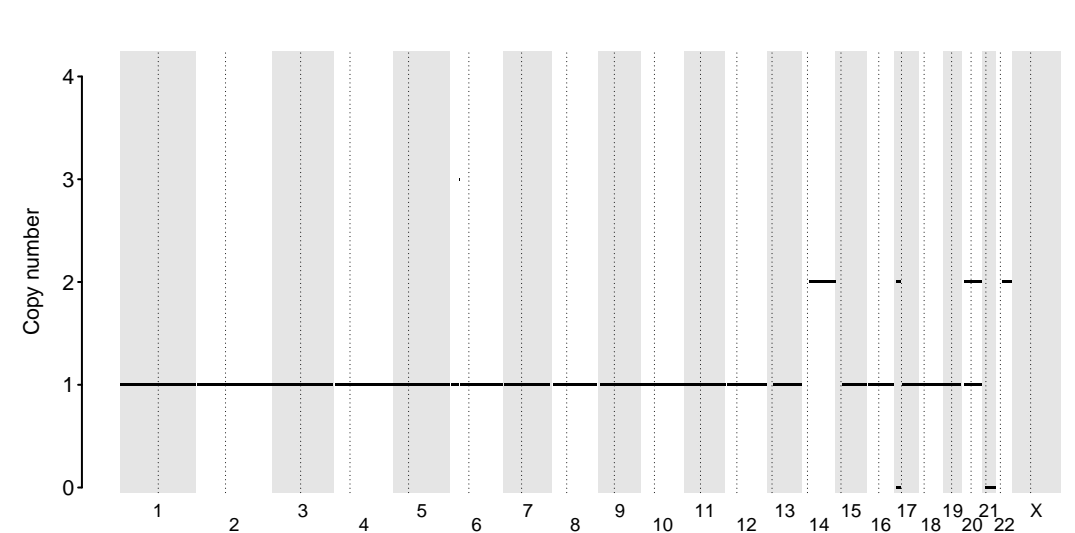
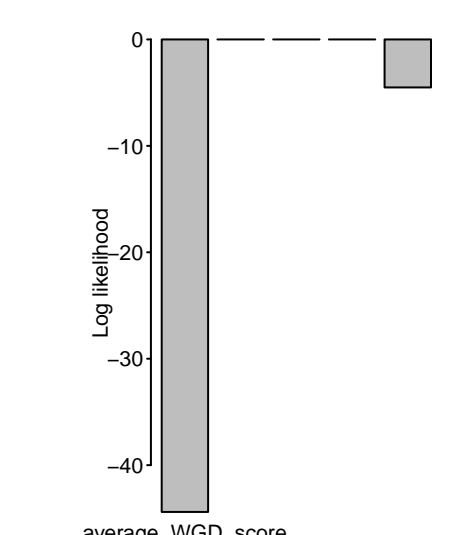
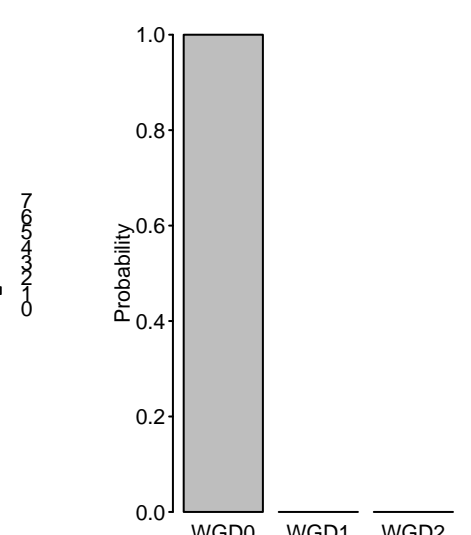
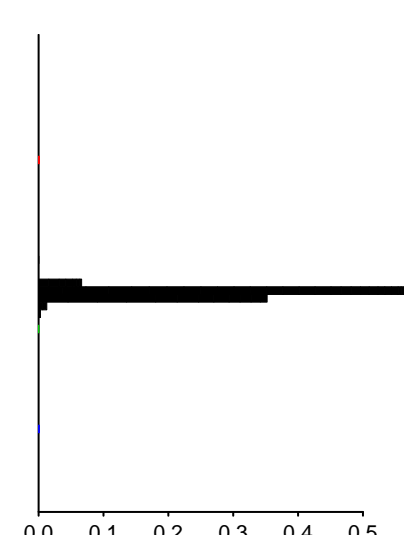
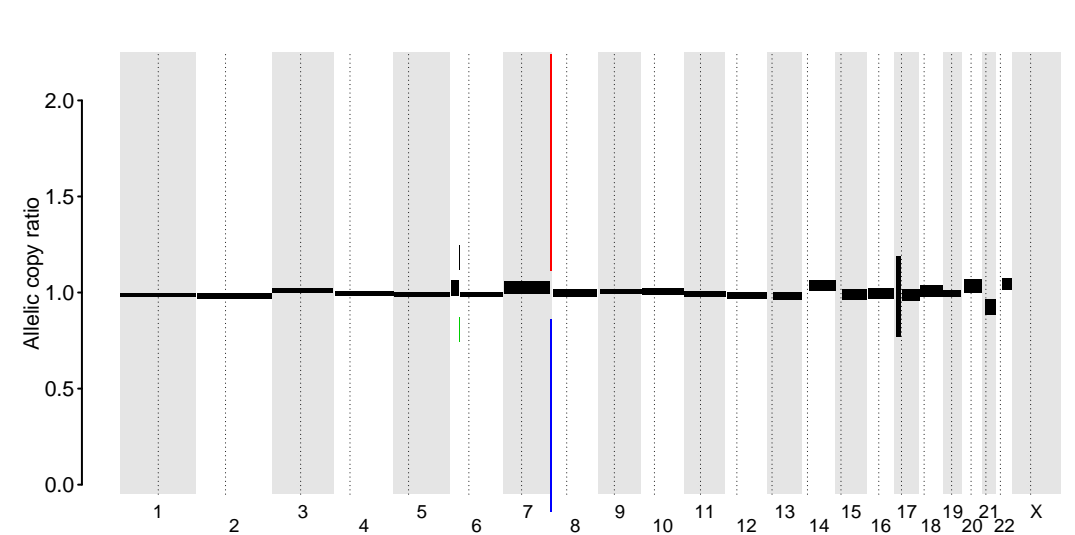
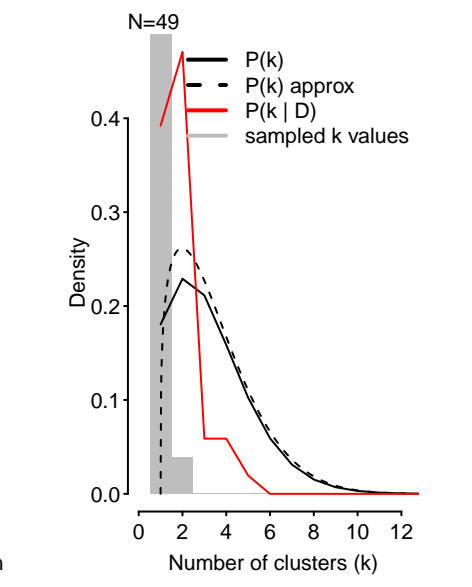
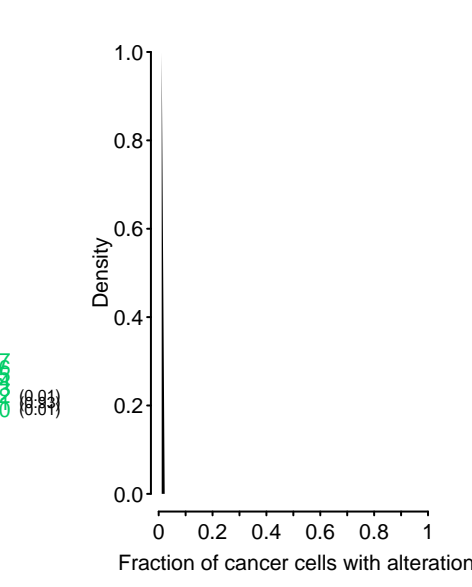
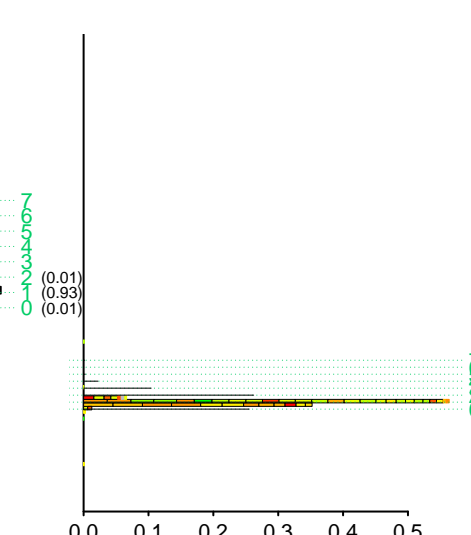
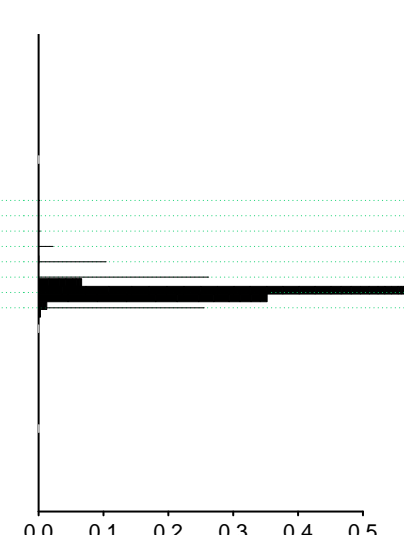
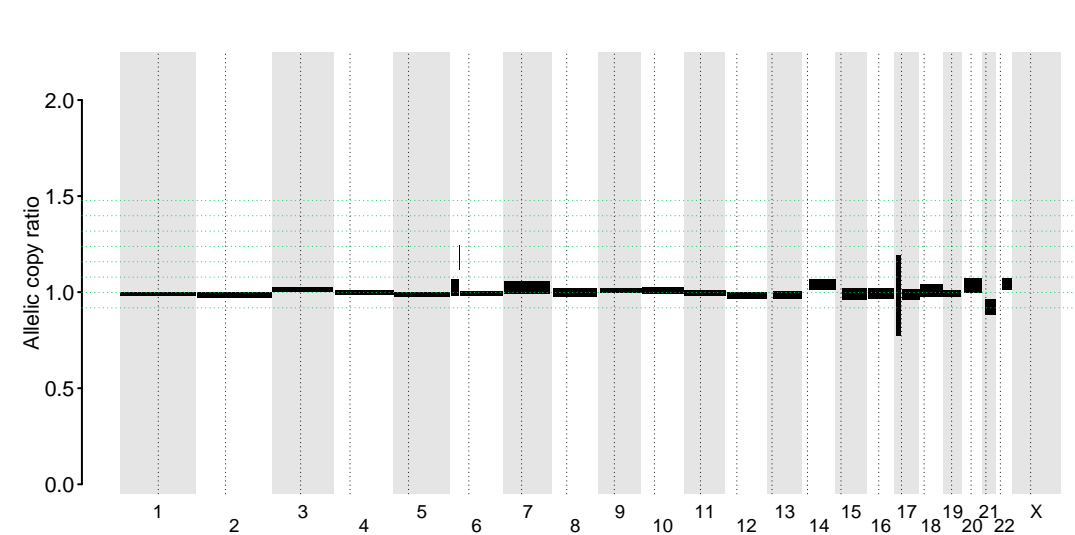
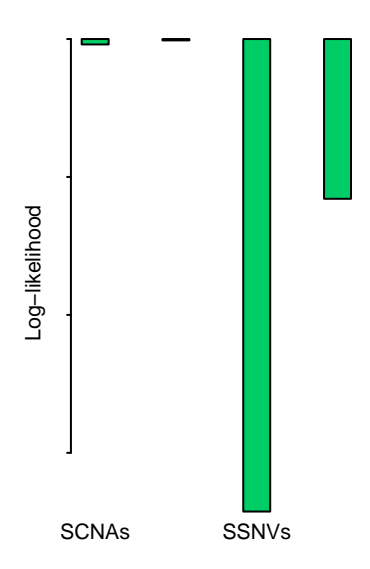
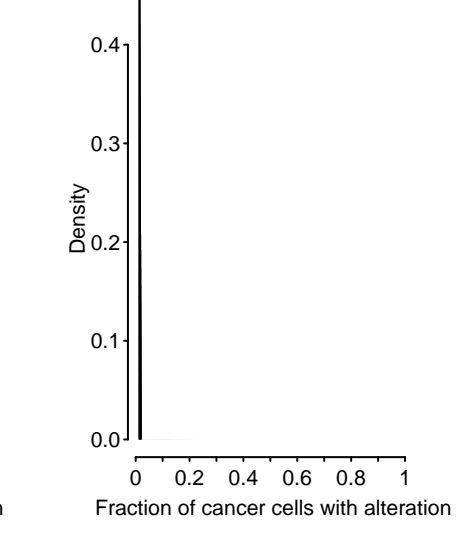
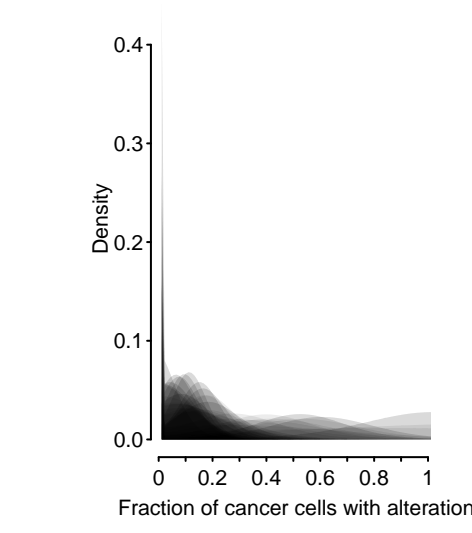
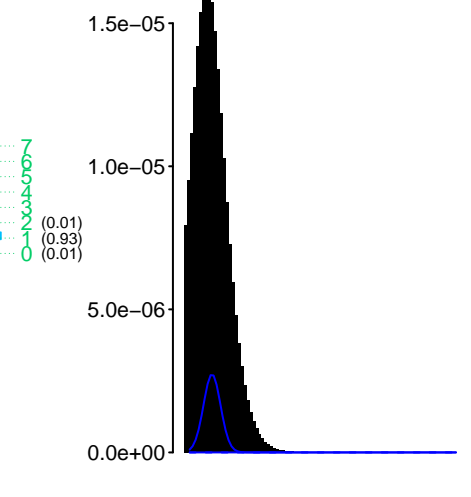
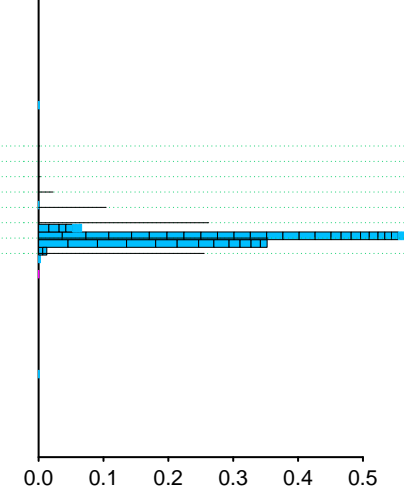
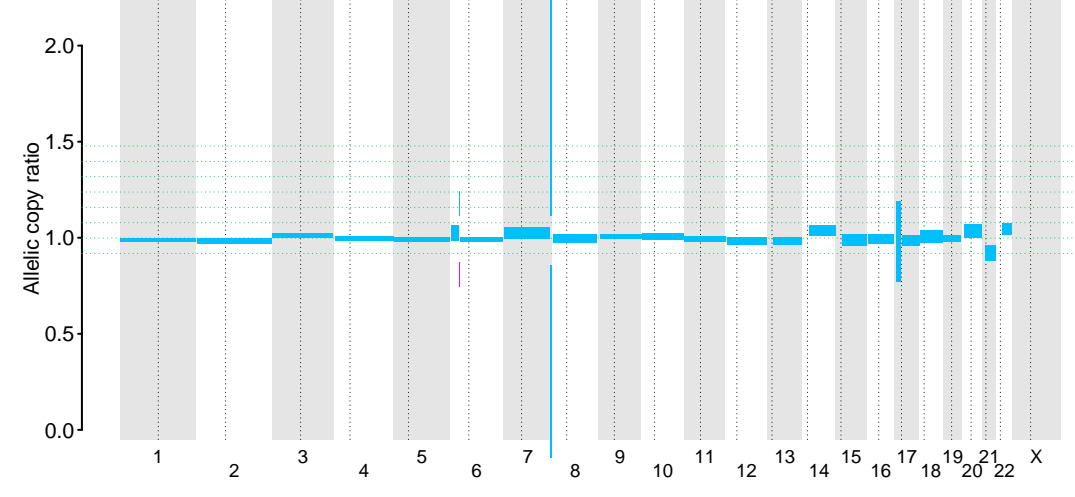


Sample 23

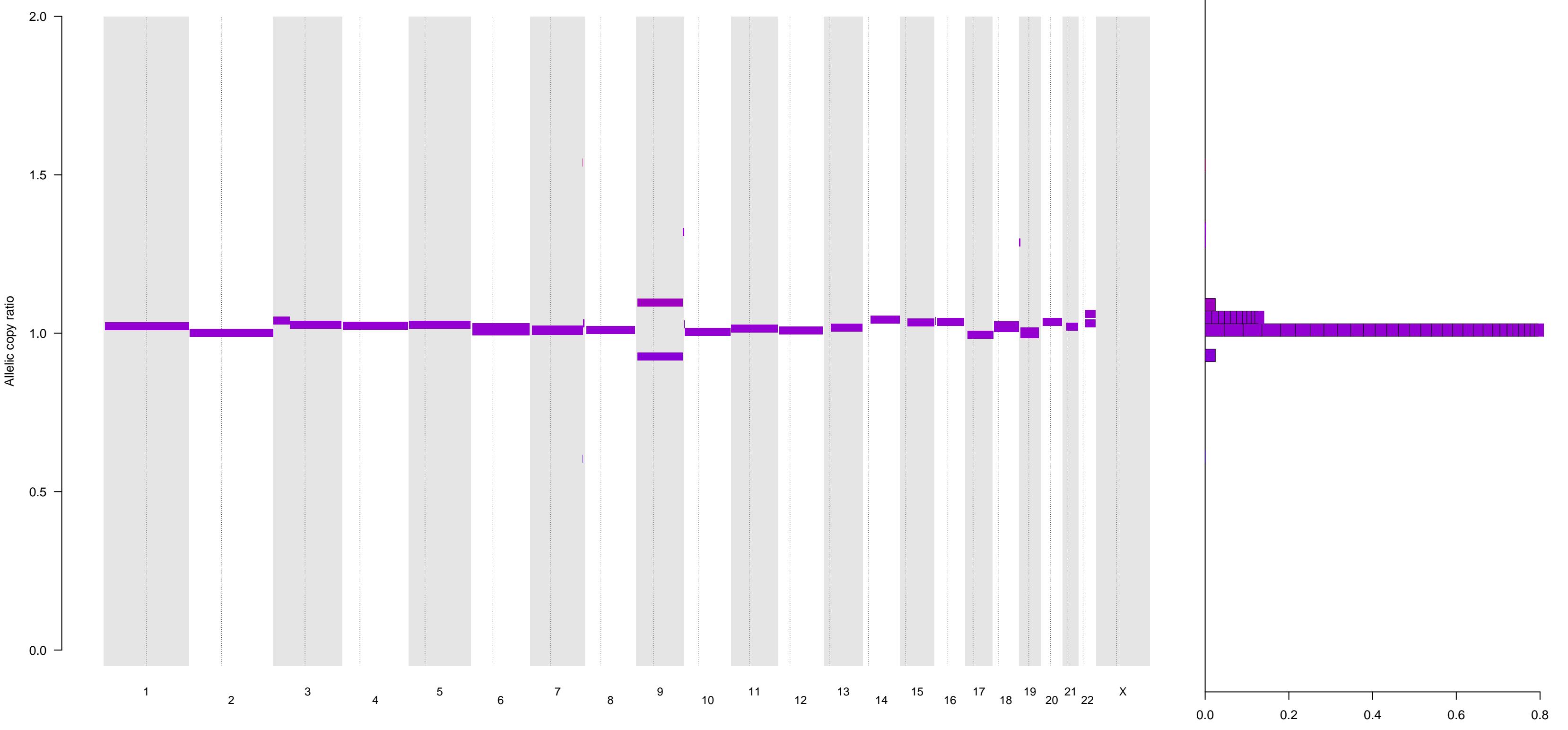




purity($\hat{\alpha}$) = 0.08, ploidy: $\hat{k} = 2.04$, $\hat{k}_g = 2.04$
 $\theta_z = 0$, $\theta_0 = 1.265$, WGD=0
 SCNA LL = -196.15, SSNV LL = -17128.09, SCNA Ev = -48.90816



Sample 24



$\text{purity}(\hat{\alpha}) = 0.07$, ploidy: $\hat{t} = 1.3$, $\hat{t}_g = 2.01$
 $\theta_z = 0.01$, $\theta_a = 1.94$, WGD=0
 SCNA LL = -239.39, SSNV LL = -14088.13, SCNA Ev = -37.36297

YWV8UB70_L_154517

