

**Table S1 Aberrations detected by GTG-analysis, i-FISH an Array-CGH**

Case	GTG-Analysis	i-FISH	Array-CGH compared to i-FISH ≥3 oligo-probe calls	Percent Abnormal by i-FISH	Array-CGH ≥1Mb	Size Mb		
1	46,XY[20]	nuc ish(S100A10x3,PNOCx2)[40/104]	dup 1q21.1q44	38.5	dup 1q21.1q44(142,721,294-247,190,744)	104.5		
		nuc ish(S100A10x4,PNOCx2)[33/104]	dup 1q21.1q44	32				
		nuc ish(FGFR3,IGH)x2[100]	No Change	0				
		nuc ish(MYEOV,IGH)x2[104]	No Change	0				
		nuc ish(ZBTB16x2,DLEU1x1)[68/103]	del 13q11q34	66			del 13q11q34(18,194,574-114,125,318)	95.9
		nuc ish(5'IGHVx2,3'IGHx1)(5'IGHV sep 3'IGHx1)[71/100]	del 14q24.1q32.33	71			del 14q24.1q32.33(68,144,107-105,602,632)	37.5
		nuc ish(IGHx2,MAFx1)[132/254]	del 16q11.2q24.3	52			del 16q11.2q24.3(45,058,272-88,729,431)	43.7
		nuc ish(TP53,CD37)x2[100]	No Change	0				
							del Xp22.33(10,319-2,705,404)	2.7
							dup 3p26.3q29(43,674-199,324,691)	WC
			dup 6p25.3q13(49,943-70,861,955)	70.8				
			dup 15q11.2q26.3(20,060,091-100,155,623)	WC				
			dup 19p13.3q13.11(202,077-37,984,420)	37.8				
2	46,XY[20]	nuc ish(S100A10x3,PNOCx2)[65/107]	dup 1q12q44	61	dup 1q12q44(141,559,496-247,190,744)	105.6		
		nuc ish(ZBTB16x2,DLEU1x1)[90/106]	del 13q11q34	85	del 13q11q34(18,194,574-114,125,318)	WC		
		nuc ish(IGHx1)[96/112]	del 14q11.1q32.33	86	del 14q11.1q32.33(18,149,503-106,358,521)	WC		
		nuc ish(TP53x2,CD37x1)[25/111]	No Change	23				
		nuc ish(TP53x1,CD37x2)[10/111]	No Change	9				
					del Xp22.33( 10,319-1,649,586)	1.6		
			del 1p36.33p32.2(6,389-57,211,684)	57.2				
			del 9p24.3p11.1(3,932-47,002,116)	50				
			del 16p13.3q24.3(3,015-88,729,431)	WC				
3	46,XX[20]	nuc ish(S100A10x3,PNOCx2)[88/107]	dup 1q12q44	82	dup 1q12q44(141,559,496-247,190,744)	105.6		
		nuc ish(FGFR3,IGH)x2[102 ]	No Change	0				
		nuc ish(MYEOV,IGH)x2[100 ]	No Change	0				
		nuc ish(ZBTB16x2,DLEU1x1)[104/112]	del 13q11q34	93	del 13q11q34(18,194,574-114,125,318)	WC		
		nuc ish(5'IGHVx2,3'IGHx1)(5'IGHV sep 3'IGHx1)[98/106]	del 14q24.1q32.33	92	del 14q24.1q32.33(68,383,642-105,590,671)	37.2		
		nuc ish(IGHx2,MAFx1)[76/105 ]	del 16p11.2q24.3	72	del 16p11.2q24.3(32,298,921-88,729,431)	56.4		
		nuc ish(TP53,CD37)x2[104]	No Change	0				
					del Xp22.33q28(10,319-154,886,048)	WC		
			del 2p11.2p11.1(88,988,234-91,129,969)	2.1				
4	46,XY[20]	nuc ish(S100A10x2,PNOCx1)[97/102]	del 8p23.3q24.3	95	del 8p23.3q24.3(150,880-146,264,210)	WC		
		nuc ish(ZBTB16x2,DLEU1x1)[98/106]	del 13q11q34	92	del 13q11q34(18,194,574-114,125,318)	WC		
		nuc ish(IGHx1)[90/107]	del 14q11.1q32.33	84	del 14q11.1q32.33(18,149,503-106,358,521)	WC		
		nuc ish(TP53x1,CD37x2)[100/130]	del 17p13.3q21.31	77	del 17p13.3q21.31(13,073-40,519,725)	40.5		
		nuc ish(TP53x1,CD37x3)[23/130]	del 17p13.3q21.31/No Change	18				
					del Xp22.33(10,319-2,705,404)	2.7		
					dup Xp22.33q22.1(2,754,731-98,731,391)	95.8		
					dup Xq22.1q28(98,600,122-154,582,4442)	55.9		
					del 2p25.3p24.1(7,049-20,532,717)	20.5		
					dup 5q23.2q35.3(123,233,694-180,614,669)	57.4		

					dup 9p24.3p11.2(63,679-44,669,621)	44.6
					del 12p13.33q24.33(93,179-132,268,952)	WC
					dup 15q15.2q26.3(40,821,296-100,155,623)	59.3
					del 22q11.1q13.33(14,441,236-49,571,093)	WC
5	46,XX[20]	nuc ish(S100A10x3,PNOCx2)[86/103] nuc ish(ZBTB16x2,DLEU1x1)[100/135] nuc ish(IGHx1)[10/115] nuc ish(TP53x2,CD37x3)[62/112] nuc ish(TP53x1,CD37x3)[17/112]	dup 1q12q44 del 13q11q34 del 14q32.33 dup 19p13.3q13.43 No Change/dup 19p13.3q13.43	83 74 9 56 15	dup 1q12q44(141,559,496-247,190,744) del 13q11q34(18,194,574-114,125,318)  dup 19p13.3q13.43(61,720-63,714,244)	105.6 WC  WC
					del Xp22.33q28(10,319-154,886,048)	WC
					dup 5p15.33q35.3(132,176-180,658,955)	WC
					dup 7p22.3q36.3(153,877-158,811,298)	WC
					dup 9p24.3q34.3(3,932-140,235,770)	WC
					dup 15q11.1q26.3(18,362,585-100,155,623)	WC
					del 17q11.2q21.31(25,538,030-38,990,118)	13.4
					dup 17q21.31q21.33(39,060,900-46,187,582)	7.1
					dup 17q22q23.2(47,699,730-56,508,953)	8.8
					del 17q24.1q25.3(60,760,558-78,563,591)	17.8
					dup 18p11.32q23(4,346-76,050,727)	WC
					dup 21p11.2q22.3(9,723,492-46,942,609)	WC
6	46,XX[20]	nuc ish(S100A10,PNOC)x2[105] nuc ish(FGFR3x2,IGHx1)[56/103 ] nuc ish(MYEOVx2,IGHx1)[45/119 ] nuc ish(ZBTB16,DLEU1)x2[106] nuc ish(IGHx1)[147/337] nuc ish(IGHx1,MAFx2)[46/115 ] nuc ish(TP53x2,CD37x1)[33/120]	No Change del 14q32.33 del 14q32.33 No Change del 14q32.33 del 14q32.33 No Change	0 54 38 0 44 40 28	      del 15q11.2(18,741,745-20,317,022)	      1.6
7	46,XX[20]	nuc ish(S100A10,PNOC)x2[140] nuc ish(FGFR3,IGH)x2[102] nuc ish(MYEOVx3,IGHx2)(MYEOV con IGHx1)[101] nuc ish(ZBTB16x2,DLEU1x1)[105] nuc ish(5'IGHVx1,3'IGHx2)(5'IGHV con 3'IGHx1)[104] nuc ish(MAF,IGH)x2[100 ] nuc ish(TP53,CD37)x2[112]	No Change No Change del 14q32.33 del 13q11q34 del 14q32.33 No Change No Change	0 0 100 100 100 0 0	   del 13q11q34(18,194,574-114,125,318)   del Xp22.33q28(10,319-154,886,048) del 2p25.3p16.1(724-57,590,450) del 2p11.2p11.1(88,988,234-91,179,436) dup 11q13.2q13.3(68,836,538-69,969,332) del 15q11.2(18,450,592-20,060,091)	   WC   WC 57.6 2.2 1.1 1.6
8	55,X,-X,+2,+3,+5,+7,-8 +der(8)t(8;?)(p11.2;?)x2 ,+9,+11,+15,+15,+19[2]/ 55,idem.-19,+20[2]/ 46,XX[47]	nuc ish(S100A10x2,PNOCx1)[100/102] nuc ish(FGFR3,IGH)x2[102 ] nuc ish(MYEOVx3,IGHx2)[103] nuc ish(ZBTB16x3,DLEU1x2)[100/102] nuc ish(5'IGHVx1,3'IGHx2)(5'IGHV con 3'IGHx1)[100] nuc ish(IGH,MAF)x2[104] nuc ish(TP53x2,CD37x3)[38/113]	No Change/ del 8p23.3p11.1 No Change dup 11p15.5q25/No Change dup 11p15.5q25/No Change del 14q32.33 No Change No Change/ dup 19p13.3q12	98 0 100 98 100 0 34	del 8p23.3p11.1(150,880-43,846,801)  dup 11p15.5q25(148,914-134,439,377)   dup 19p13.3q12(189,441-32,981,902) del Xp22.33q28(10,319-154,886,048)	43.7  WC   32.8 WC

					dup 2p25.3q37.3(724-242,632,464)	WC
					dup 3p26.3q29(43,674-199,324,691)	WC
					dup 5p15.33q35.3(132,176-180,658,955)	WC
					dup 7p22.3q36.3(153,877-158,811,298)	WC
					dup 8q11.1q24.3(47,087,100-146,264,210)	99.2
					dup 9p24.3q34.3(3,932-140,235,770)	WC
					dup 15q11.1q26.3(18,362,585-100,155,623)	WC
					dup 20p13q13.33(9,037-62,387,676)	WC
9	46,XY[6]	nuc ish(S100A10x3,PNOCx2)[101/110]	dup 1q21.1q44/No Change	92	dup 1q21.1q44(143,781,155-247,190,744)	103.4
		nuc ish(S100A10x4,PNOCx2)[3/110]	dup 1q21.1q44/No Change	3		
		nuc ish(FGFR3,IGH)x2[102]	No Change	0		
		nuc ish(MYEOV,IGH)x2[112]	No Change	0		
		nuc ish(ZBTB16x2,DLEU1x2)[101]	No Change	0		
		nuc ish(5'IGHVx1,3'IGHx2)(5'IGHV con 3'IGHx1)[100/109]	del 14q32.33	99		
		nuc ish(IGH,MAF)x2[108]	No Change	0		
		nuc ish(TP53x2,CD37x3)[101/122]	dup 19p13.3q13.43	83	dup 19p13.3q13.43(183,147-63,714,244)	WC
					dup 5p15.33q35.3(132,176-180,658,955)	WC
					dup 7p22.3q36.3(153,877-158,811,298)	WC
					dup 9p24.3q34.3(3,932-140,235,770)	WC
					dup 10q21.3(68,858,976-70,195,786)	1.3
					dup 15q11.2q26.3(20,010,589-100,155,623)	WC
					del 22q11.23q12.1(23,095,913-24,523,336)	1.4
					del 22q13.32q13.33(47,899,937-49,571,093)	1.7
10★	46,XY[20]	nuc ish(S100A10x5~7,PNOCx4)[118]	dup 1q21.1q44/No Change	100	dup 1q21.1q44(143,778,819-247,190,744)	103.4
		nuc ish(ZBTB16x4,DLEU1x2)[103/114]	No Change/ del 13q11q34	90	del 13q11q34(18,194,574-114,125,318)	WC
		nuc ish(ZBTB16x3,DLEU1x2)[8/114]	No Change / del 13q11q34	7		
		nuc ish(IGHx2)[102]	del 14q11.1q32.33	100	del 14q11.1q32.33(18,149,503-106,358,521)	WC
		nuc ish(TP53x4,CD37x4)[83/107]	No Change	78		
		nuc ish(TP53x4,CD37x3)[16/107]	No Change	15		
		nuc ish(TP53x3,CD37x4)[8/107]	No Change	7		
					del 1p36.33q12(128,255-141,559,496)	141.4
					dup 2p21p16.1(44,313,566-55,684,217)	11.4
					dup 2p15q37.3(63,439,827-242,632,464)	179.2
					del 4p16.3q35.2(6,168-191,223,063)	WC
					del 6q22.1q27(117,005,713-170,780,492)	53.8
					del 10p15.3p13(126,391-12,669,785)	12.5
					del 10p12.1q11.21(26,255,187-43,609,287)	17.4
					del 10q11.21q21.1(44,629,472-56,448,746)	11.8
					del 16p11.2q24.3(31,851,289-88,729,431)	56.9
11	46,XY[20]	nuc ish(S100A10x3,PNOCx2)[23/112]	No Change	21		
		nuc ish(ZBTB16x4,DLEU1x2)[110/118]	dup 11q13.1q25/No Change	93	dup 11q13.1q25(65,916,071-134,439,377)	68.5
		nuc ish(IGH)x2[103]	No Change	0		
		nuc ish(TP53x2,CD37x3)[70/108]	No Change/ dup 19q13.32q13.42	65	dup 19q13.32q13.42(52,299,705-60,957,935)	8.5
					del Xp22.33(348,253-1,649,586)	1.3
					dup 3p26.3q29(43,674-199,324,691)	WC
					dup 4q31.21q35.2(142,089,495-191,219,176)	49.1
					dup 5p15.33q35.3(132,176-180,658,955)	WC
					del 7p22.3p21.2(153,877-15,105,984)	15
					dup 7p21.2p15.2(15,178,655-27,203,053)	12.0

				dup 7p15.2q11.21(27,213,410-61,549,417)	34.3
				del 7q11.21(62,003,519-65,010,902)	3
				dup 7q11.22(66,309,177-67,832,293)	1.5
				dup 8q11.21q24.3(49,178,904-146,264,210)	97.1
				dup 9p24.3q34.3( 3,932-140,235,770)	WC
				dup 11p15.5p15.1(182,380-20,761,412)	20.6
				dup 11p14.3q13.1(24,765,745-65,823,737)	41.1
				dup 15q11.2q26.3(19,465,389-100,155,623)	80.7
				del 16p13.3p13.2(18,824-6,328,679)	6.3
				del 16p13.2(7,820,626-9,182,000)	1.4
				dup 16p13.12p13.11(12,920,046-16,628,303)	3.7
				dup 16p12.2p12.1(21,192,103-25,033,300)	3.8
				del 16p12.1(25,417,679-27,422,584)	2
				dup 16p12.1p11.2(27,465,116-30,308,490)	2.8
				dup 19p13.3q13.32( 61,720-50,807,934)	50.7
				del 22q11.21q11.23(17,364,490-24,035,286)	6.7
				del 22q12.1q13.1(25,067,022-37,504,530)	12.4
				del 22q13.2q13.33(41,629,931-49,571,093)	7.9
12	46,XY[5]	nuc ish(S100A10x3,PNOcx2)[19/105]	No Change	18	
		nuc ish(FGFR3x2,IGHx3)[103 ]	No Change	100	
		nuc ish(MYEOV,IGH)x3(MYEOV con IGHx2)[113]	No Change	100	
		nuc ish(ZBTB16x2,DLEU1x1)[108]	No Change/ del 13q11q34	100	del 13q11q34(18,194,574-114,125,318)
		nuc ish(5'IGHVx2,3'IGHx2)(5'IGHV sep 3'IGHx1)[115/119]	No Change	97	WC
		nuc ish(IGHx3,MAFx1)[118]	No Change/ del 16p11.2q24.3	100	del 16p11.2q24.3(31,851,289-88,729,431)
		nuc ish(TP53x1,CD37x2)[114/115]	del 17p13.2p13.1/No Change	99	del 17p13.2p13.1(4,691,625-8,959,302)
					dup Xq23q28(114,437,377-154,886,048)
					del 1p13.2p12(112,216,670-118,447,882)
					del 1p12q21.1(120,410,317-143,642,039)
					del 1q23.3q25.3(161,161,689-179,781,134)
					del 1q32.1q32.2(203,690,653-205,871,102)
					del 1q32.2q32.3(207,809,375-211,926,454)
					del 1q41(212,957,023-213,997,627)
					dup 1q42.13q42.2(225,131,010-229,114,603)
					del 2p25.3p23.2(724-27,986,709)
					dup 3p21.31(47,976,987-50,424,832)
					del 3p21.31p12.3(50,477,753-79,386,648)
					del 3p12.3p12.1(80,571,691-86,581,962)
					del 6q16.1q27(92,916,587-170,780,492)
					del 8q24.21q24.3(128,832,363-146,264,210)
					del 9p23(10,276,957-12,716,945)
					del 9q33.1(118,358,837-121,340,663)
					dup 9q33.1q34.3(121,432,957-140,202,315)
					del 10p15.3p12.31( 126,391-22,572,688)
					dup 10p12.31p12.1(22,656,915-25,737,445)
					del 10p12.1p11.22(26,255,187-32,365,226)
					del 10p11.21(35,342,572-38,090,915)
					del 10q23.33q26.3(96,941,867-130,923,085)
					del 12p13.33q24.33(93,179-132,268,952)
					del 14q22.2q31.3(53,945,257-87,898,558)
					del 15q11.2(18,450,592-20,317,022)
					del 15q26.1(87,017,337-91,414,509)

					del 16p13.3p13.2(33,655-9,466,547)	9.4
					del 17p13.3p13.2(13,073-3,835,631)	3.8
					del 17q11.1q11.2(22,963,241-24,108,458)	1.1
					del 17q11.2(24,976,891-26,473,749)	1.5
					del 17q12(29,317,694-31,151,547)	1.8
					del 17q12(31,196,154-33,675,637)	2.5
					del 17q12q21.31(35,320,530-39,414,944)	4.1
					del 22q11.1q13.2(14,441,236-41,693,398)	27.3
13	46,XY[20]	nuc ish(S100A10x3,PNOcx2)[107/131] nuc ish(ZBTB16,DLEU1)x2[121] nuc ish(IGH)x2[104] nuc ish(TP53x1,CD37x2)[99/127]	dup 1p12q41/No Change No Change No Change del 17p13.2p11.2/No Change	81 0 0 78	dup 1p12q41(120,282,290-217,949,659)	97.7
					del 17p13.2p11.2(6,319,486-16,153,452)	9.8
					dup Xq28(150,794,887-154,886,048)	4.1
					dup 1q44(243,292,891-247,190,744)	3.9
					del 4p11q12(49,008,250-55,711,430)	6.7
					del 7q11.21q11.23(63,592,692-73,367,633)	9.8
					dup 9p24.3q34.3(3,932-140,193,696)	WC
					del 14q24.2q32.11(72,639,328-90,078,392)	17.4
					del 17p13.2p11.2(6,319,486-16,153,452)	9.8
					del 20q12q13.2(38,252,937-54,143,777)	15.0
					del 22q11.1q12.3(14,441,236-32,476,978)	18
					del 22q13.31q13.33(46,395,254-48,785,471)	2.4
14	46,XX[20]	nuc ish(S100A10x4~14,PNOcx2)[106/107] nuc ish(FGFR3,IGH)x3(FGFR3 con IGHx2)[102/112 ] nuc ish(MYEOVx2,IGHx3)[106] nuc ish(ZBTB16x2,DLEU1x1)[99/101] nuc ish(5'IGHVx2,3'IGHx2)(5'IGHV sep 3'IGHx1)[123/134] nuc ish(IGHx3,MAFx2)[116/119] nuc ish(TP53x2,CD37x3~5)[97/113] nuc ish(TP53x3~4,CD37x3~5)[11/113]	dup 1q21.1q23.3/No Change No Change No Change No Change/ del 13q11q34 No Change No Change No Change/ dup 19p13.3q13.43 No Change/ dup 19p13.3q13.43	99 91 100 98 92 97 86 11	dup 1q21.1q23.3(142,721,294-162,863,111)	20.1
					del 13q11q34(18,194,574-114,125,318)	WC
					dup 19p13.3q13.43(61,720-63,714,244)	WC
					del Xp22.33q25(10,319-121,546,453)	121.5
					del 1p33q12(50,455,859-141,559,496)	91.1
					dup 1q21.1q23.3(142,721,294-162,863,111)	20.1
					dup 1q23.3q44(162,866,701-247,190,744)	84.3
					del 4p16.1p12(7,865,068-46,193,547)	38.3
					del 6q16.1q27(94,643,251-170,780,492)	76.1
					dup 8p11.21q11.21(39,937,237-48,650,245)	8.7
					del 8q24.13q24.21(126,419,979-128,672,773)	2.2
					dup 9q32q33.1(114,592,070-121,664,607)	7.1
					dup 9q33.2q34.3(124,930,814-140,151,293)	15.2
					dup 10q26.3(133,386,798-135,275,161)	1.9
					dup 11p15.5p12(175,779-39,125,592)	39
					dup 15q22.31q24.1(64,115,001-73,081,744)	9
					dup 15q26.1q26.3(89,666,037-100,155,623)	10.4
					del 16p11.2(32,187,075-33,527,492)	1.3
					del 17q21.2q21.31(37,193,922-39,678,472)	2.4
					del 17q25.3(75,498,182-77,536,640)	2
					del 20p13p12.2(9,037-10,553,283)	10.5
15	46,XY[20]	nuc ish(S100A10x2,PNOcx1)[75/122]	No Change/ del 8p23.3p11.21	62	del 8p23.3p11.21(150,880-42,014,428)	41.9

		nuc ish(ZBTB16,DLEU1)x2[137]	No Change	0		
		nuc ish(IGH)x3[91/107]	dup 14q32.32q32.33	85	dup 14q32.32q32.33(102,539,856-105,251,496)	2.7
		nuc ish(TP53x3~5,CD37x3)[102/122]	dup 17p13.1/dup 19p13.3q13.43	84	dup 19p13.3q13.43(61,720-63,714,244)	WC
					del 2p11.2p11.1(87,131,092-91,429,639)	4.3
					dup 3q24q25.1(147,954,160-150,751,463)	2.8
					dup 3q25.1q25.2(152,702,584-153,707,027)	1.0
					dup 3q26.1q26.2(168,733,357-171,960,803)	3.2
					dup 3q26.31q27.1(176,951,105-184,728,455)	7.8
					del 3q27.1q29(184,831,327-199,324,691)	14.5
					dup 4p16.3q35.2(6,168-191,258,361)	WC
					dup 7p22.3p11.2(160,671-56,131,904)	56
					dup 7q21.12q34(86,261,174-140,281,470)	54
					dup 7q35q36.3(146,129,853-156,495,930)	10.4
					dup 8q11.1q24.3(47,087,100-146,264,210)	99.2
					dup 9p24.3q34.3(3,932-140,235,770)	WC
					del 14q11.1q11.2(18,149,503-19,851,470)	1.7
					dup 14q31.1q31.2(79,400,146-82,838,080)	3.4
					dup 14q31.3(87,179,588-88,558,206)	1.3
					dup 14q32.13q32.31(93,221,390-100,890,435)	7.7
					dup 17p13.3(282,251-2,250,975)	2
					del 17p13.3(2,257,292-3,462,518)	1.2
					dup 17p13.3p13.2(3,505,113-6,261,330)	2.8
					del 17p13.1p11.2(7,534,488-16,397,656)	8.9
					dup 17p11.2q11.2(16,469,174-24,108,458)	7.6
					dup 17q12(28,908,884-34,829,557)	5.9
					dup 17q21.31q21.32(41,564,438-44,732,420)	3.2
					dup 17q21.33q25.3(46,126,179-78,563,591)	32.4
					del 22q11.21q11.23(20,138,964-21,959,422)	1.8
					dup 22q11.23q12.1(23,033,976-24,678,497)	1.6
					del 22q12.1(25,067,022-26,518,064)	1.5
					dup 22q12.2(28,679,892-29,922,404)	1.2
16	46,XX[20]	nuc ish(S100A10,PNOC)x2[100]	No Change	0		
		nuc ish(FGFR3x2,IGHx4)[29/52]	No Change/dup 14q32.33	56		
		nuc ish(FGFR3x2,IGHx3)[23/52]	No Change/dup 14q32.33	44		
		nuc ish(MYEOV,IGH)x4(MYEOV con IGHx3)[38/65]	dup 11q24.3q25/dup 14q32.33	58	dup 11q24.3q25(129,268,330-130,507,199)	1.2
		nuc ish(MYEOV,IGH)x3(MYEOV con IGHx2)[27/65]	dup 11q24.3q25/dup 14q32.33	42		
		nuc ish(ZBTB16x2,DLEU1x1)[101]	No Change/ del 13q11q34	100	del 13q11q34(18,194,574-114,125,318)	WC
		nuc ish(5'IGHVx1,3'IGHx3)(5'IGHV sep 3'IGHx1)[72/106]	dup 14q32.33	68		
		nuc ish(5'IGHVx1,3'IGHx2)(5'IGHV sep 3'IGHx1)[34/106]	dup 14q32.33	32		
		nuc ish(IGHx4,MAFx2)[31/52]	dup 14q32.33/No Change	60		
		nuc ish(IGHx3,MAFx2)[21/52]	dup 14q32.33/No Change	40		
		nuc ish(TP53,CD37)x2[111]	No Change	0		
					del Xp22.33q28(10,319-152,816,963)	WC
					del 20p13q13.33(9,037-62,387,676)	WC
					del 22q11.1q13.33(14,441,236-49,571,093)	WC
17	46,XX[20]	nuc ish(S100A10x3,PNOCx2)[80/109]	dup 1q12q44/No Change	73	dup 1q12q44(141,559,496-247,190,744)	105.6
		nuc ish(ZBTB16x2,DLEU1x1)[79/111]	No Change/ del 13q11q34	71	del 13q11q34(18,194,574-114,125,318)	WC
		nuc ish(IGH)x2[109]	No Change	0		
		nuc ish(TP53x2,CD37x3)[70/110]	No Change/ dup 19p13.3q13.43	64	dup 19p13.3q13.43(61,720-63,714,244)	WC

					dup 3p26.3q29(43,674-199,324,691)	WC
					dup 7p22.3q36.3(153,877-158,811,298)	WC
					dup 9p24.3q34.3(3,932-140,235,770)	WC
					dup 15q11.1q26.3(18,362,585-100,155,623)	WC
18	46,XY[20]	nuc ish(S100A10x2,PNOCx3)[82/103]	No Change/ dup 8p23.3q24.3	80	dup 8p23.3q24.3(150,880-146,264,210)	146.1
		nuc ish(FGFR3,IGH)x2[100]	No Change	0		
		nuc ish(MYE OVx4,IGHx2)91/101]	dup 11p15.5q25/No Change	90		
		nuc ish(ZBTB16x4,DLEU1x2)[57/104]	dup 11p15.5q25/ dup 13q11q34	55	dup 11p15.5q25(148,914-134,439,377)	WC
		nuc ish(ZBTB16x4,DLEU1x3)[31/104]	dup 11p15.5q25/ dup 13q11q34	30	dup 13q11q34(18,194,574-114,125,318)	WC
		nuc ish(5'IGHVx1,3'IGHx2)(5'IGHV con 3'IGHx1)[59/106]	del 14q32.33	56		
		nuc ish(IGH,MAF)x2[107]	No Change	0		
		nuc ish(TP53x2,CD37x3)[58/109]	No Change/ dup 19p13.3q13.43	53	dup 19p13.3q13.43(61,720-63,714,244)	WC
					dup 3p26.3q29(43,674-199,324,691)	WC
					dup 5p15.33q35.3(132,176-180,658,955)	WC
					dup 6p25.3q27(49,943-170,780,492)	WC
					dup 7p22.3q36.3(153,877-158,811,298)	WC
					dup 9p24.3q34.3(3,932-140,235,770)	WC
					dup 15q11.1q26.3(18,362,585-100,155,623)	WC
					dup 21p11.2q21.2(9,723,492-25,576,176)	15.9
19	46,XX[20]	nuc ish(S100A10x3,PNOCx2)[16/102]	No Change	16		
		nuc ish(FGFR3x2,IGHx3)[78/112]	No Change	70		
		nuc ish(MYE OVx2,IGHx3)[82/125]	No Change	66		
		nuc ish(ZBTB16,DLEU1)x2[108]	No Change	0		
		nuc ish(5'IGHVx2,3'IGHx2)(5'IGHV sep 3'IGHx1)[73/111]	No Change	66		
		nuc ish(IGH,MAF)x3(MAF con IGHx2)[74/110]	No Change	67		
		nuc ish(TP53,CD37)x2[107]	No Change	0		
					del 2p11.2p11.1(88,891,050-91,129,969)	2.2
20	46,XX(20)	nuc ish(S100A10,PNOC)x2[100]	No Change	0		
		nuc ish(ZBTB16,DLEU1)x2[100]	No Change	0		
		nuc ish(TP53,CD37)x2[100]	No Change	0		
		nuc ish(IGH)x2[100]	No Change	0		
					del 16p11.2p11.1(32,187,075-34,584,822)	2.4

★ = Near-tetraploid, dup = duplication, del = deletion, i-FISH = interphase fluorescent in-situ hybridisation, Array-CGH comparative genomic hybridisation microarray, WC = Whole chromosome