

Supplementary Table S1. Whole chromosome (WCP or XCP), centromere- (CEP or SE), band- (MCB), arm- (pcp) or locus-specific (LSI) FISH probes used to identify chromosomes and chromosomal regions involved in the rearrangements (except probes listed in Materials and Methods, Table 1).

Case	Probe	Chromosome localisation	Manufacturer
2	WCP6	Chr. 6	Applied Spectral Imaging
	WCP10	Chr. 10	Applied Spectral Imaging
	XCP16	Chr. 16	Metasystems
3	WCP4	Chr. 4	Homemade
	WCP9	Chr. 9	Applied Spectral Imaging
	WCP10	Chr. 10	Homemade
	WCP12	Chr. 12	Homemade
	WCP22	Chr. 22	Homemade
	WCPX	Chr. X	Applied Spectral Imaging
	MCB7	Chr. 7	Homemade
	MCB10	Chr. 10	Homemade
4	LSI ELN / LSI D7S486, D7S522	7q11.23, 7q31.1-31.3	Abbott Molecular
	LSI: RP11-90N9	7q21.11	Homemade
	LSI: RP11-313N23	7q21.2	Homemade
5	WCP12	Chr. 12	Homemade
	WCP14	Chr. 14	Homemade
	LSI ELN / LSI D7S486, D7S522	7q11.23, 7q31	Abbott Molecular
	MCB7	Chr. 7	Homemade
	WCP1	Chr. 1	Applied Spectral Imaging
6	LSI 1p36	1pTEL, 1p36, 1q25	Abbott Molecular
	MCB1	Chr. 1	Homemade
	MCB10	Chr. 10	Homemade
	pcp1p	1p	Homemade
	pcp10q	10q	Homemade
	WCP1	Chr. 1	Applied Spectral Imaging
7	WCP2	Chr. 2	Kreatech
	WCP3	Chr. 3	Applied Spectral Imaging
	WCP9	Chr. 9	Applied Spectral Imaging
	WCP16	Chr. 16	Applied Spectral Imaging
	WCP17	Chr. 17	Applied Spectral Imaging
	LSI 1p36	1pTEL, 1p36, 1q25	Abbott Molecular
	LSI N-MYC	2p24	Abbott Molecular
	CEP17 (D17Z1)	17p11.1-q11.1 Alpha Satellite DNA	Abbott Molecular
	LSI: TelVision 17q	17qTEL (D17S928)	Abbott Molecular
	LSI: TelVision 3p and 3q	3pTEL (D3S4559), 3qTEL (D3S4560)	Abbott Molecular
	LSI: TelVision 16p and 16q	16pTEL, 16qTEL	Abbott Molecular
8	WCP 1	Chr. 1	Applied Spectral Imaging
	WCP 3	Chr. 3	Applied Spectral Imaging
	WCP 13	Chr. 13	Abbott Molecular
	CEP 1 (D1Z5)	1p11.1-q11.1 Alpha Satellite DNA	Abbott Molecular

CEP 3 (D3Z1)	3p11.1-q11.1 Alpha Satellite DNA	Abbott Molecular
SE13/21	13p11.1-q11.1, 21p11.1-q11.1	Kreatech
LSI 1p36	1pTEL, 1p36, 1q25	Abbott Molecular
WCP2	Chr. 2	Kreatech
WCP6	Chr. 6	Applied Spectral Imaging
WCP9	Chr. 9	Applied Spectral Imaging
WCP11	Chr. 11	Applied Spectral Imaging
WCP14	Chr. 14	Applied Spectral Imaging
XCP16	Chr. 16	Metasystems
WCPX	Chr. X	Applied Spectral Imaging
pcp2q	2q	Homemade
pcp6p	6p	Homemade
pcp6q	6q	Homemade
pcp11p	11p	Homemade
MCB2	Chr. 2	Homemade
MCB6	Chr. 6	Homemade
MCB11	Chr. 11	Homemade
MCB14	Chr. 14	Homemade
MCBX	Chr. X	Homemade
LSI/CEP/pcp: Subcentromere-oriented mix 9	Chr. 9	Homemade
LSI: ZytoLight® SPEC EML4 Dual Color Break Apart Probe	2p21	ZytoVision GmbH
LSI: ZytoLight® SPEC FOXO1/PAX3 Dual Color Single Fusion Probe	2q36.1, 13q14.11	ZytoVision GmbH
LSI: RP11-130P22	2p21	Homemade
LSI: RP11-134D9	2p16.3	Homemade
LSI: RP11-355B11	2p15	Homemade
LSI: RP11-576F1	2p21	Homemade
LSI: RP11-438B23	9p21	Homemade
LSI: RP11-503K16	9p22.1	Homemade
LSI: RP11-513M16	9p22.1	Homemade
LSI: RP11-6K5	11p15	Homemade
LSI: RP11-140J4	11p15	Homemade