

Supplemental S1: Major Abnormal FISH Signal Patterns with Corresponding Abnormalities and Cut-off Values.

<b>FISH probes/ Signal patterns</b>	<b>Abnormality</b>	<b>Cut-off (%)</b>
<b><i>CDKN2C/CKS1B</i></b>		
2R1G	Loss of one copy of CDKN2C	<6.5
3R2G	Gain of one copy of CKS1B	<9.9
4R2G	Gain of two copies of CKS1B	<3.5
3R1G	Gain of one copy of CKS1B and loss of one copy of CDKN2C	<1.4
<b><i>IGH/FGFR3</i></b>		
1R1G2F	IGH::FGFR3 rearrangement	<0.5
3R2G	Gain of one copy of FGFR3	<1.0
2R3G	One extra signal of IGH or IGH rearrangement	<3.0
<b><i>MYC</i></b>		
1R1G1F	MYC rearrangement	<4.7
1R2F	Gain of 5'MYC / MYC rearrangement	<0.7
3F	Gain of one copy of MYC	<4.0
<b><i>CDKN2A/CEP9</i></b>		
3R3G	Trisomy 9	<0.5
4R4G	Tetrasomy 9	<2.2
1R2G	Loss of one copy of CDKN2A	<3.8
<b><i>IGH/MYEOV-CCND1</i></b>		
1R1G2F	IGH::CCND1/MYEOV rearrangement	<0.5
3R2G	Gain of one copy of MYEOV-CCND1	<3.8
2R3G	One extra signal of IGH or IGH rearrangement	<10.6
<b><i>RB1/13q34</i></b>		
1R2G	Loss of one copy of RB1	<5.1
1R1G	Monosomy 13	<5.1
<b><i>IGH/MAF</i></b>		
1R1G12F	IGH::MAF rearrangement	0.0
2R3G	One extra signal of IGH or IGH rearrangement	<1.4
1R2G	Loss of one copy of MAF	<0.5
<b><i>TP53/CEP17</i></b>		
1R2G	Loss of one copy of TP53	<7.9
1R1G	Monosomy 17	<4.9