

S1 Table. List of FISH probe Sets, probe locations and fluorophore signals for each

Oligo X Y 15 17 (OF4-0052-0100)		
Chromosome	Location	Fluorophore
X	Centromere, locus DXZ1	Red
Y	Yq12 Satellite III DNA	Green
15	Centromere, locus D15Z1	Gold
17	Centromere, locus D17Z1	Aqua
Oligo X Y 16 18 (OF4-0135-0100)		
Chromosome	Location	Fluorophore
X	Centromere, locus DXZ1	Red
Y	Yq12, locus DYZ1	Gold
16	Centromere, locus D16Z1	Green
18	Centromere, locus D18Z1	Aqua
Vysis MultiVysion PGT Multi-color Probe (05J32-080)		
Probe	Location	Fluorophore
Vysis LSI 13	13q14	Red
Vysis LSI 21	21q22.13-22.2	Green
Vysis CEP 18	18p11.1-q11.1 Alpha Satellite DNA	Aqua
Vysis CEP X	Xp11.1-q11.1 Alpha Satellite DNA	Blue
Vysis CEP Y	Yp11.1-q11.1 Alpha Satellite DNA	Gold
Vysis MultiVysion PB Multi-color Probe (05J31-085)		
Probe	Location	Fluorophore
Vysis LSI 13	13q14	Red
Vysis LSI 21	21q22.13-22.2	Green
Vysis LSI 22	22q11.2	Gold
Vysis CEP 16	16q11.2 Satellite II DNA	Aqua
Vysis CEP 18	18p11.1-q11.1 Alpha Satellite DNA	Blue