Genomic Screening Methods
Weighing each factor

Test	Coverage	Cost	TAT	Sensitivity	Resolution	Utility
G-Banded Karyotyping	Entire genome	**	Average (7-10d)	Average (≥14%)	Poor (≥5Mb)	Excellent
SKY (Spectral Karyotyping)	Entire genome	***	Average (7-15d)	Poor (≥14-41%)	Poor (≥5Mb)	Limited
FISH (Fluorescence *In Situ* Hybridization)	Targeted region(s) of interest	*	Average (7-10d)	Excellent (≥5-10%)	Excellent (≥50-100kb)	Average
PCR (Polymerase Chain Reaction)	Targeted region(s) of interest	*	Excellent (3-4d)	Average (≥5-30%)	Excellent (<100bp)	Average
CMA (Chromosomal Microarray)	Entire genome	**	Average (7-15d)	Average (≥20%)	Excellent (≥400kb)	Excellent
nCounter Karyotyping	Entire genome	*	Excellent (1-3d)	Average (≥20-30%)	Poor (Whole-chromosome)	Limited
NGS (Next-Generation Sequencing)	Entire genome	***	Poor (Weeks)	Average (≥20%)	Excellent (≥1bp)	Excellent