

# Reveal the hidden regions of the genome with optical genome mapping technology

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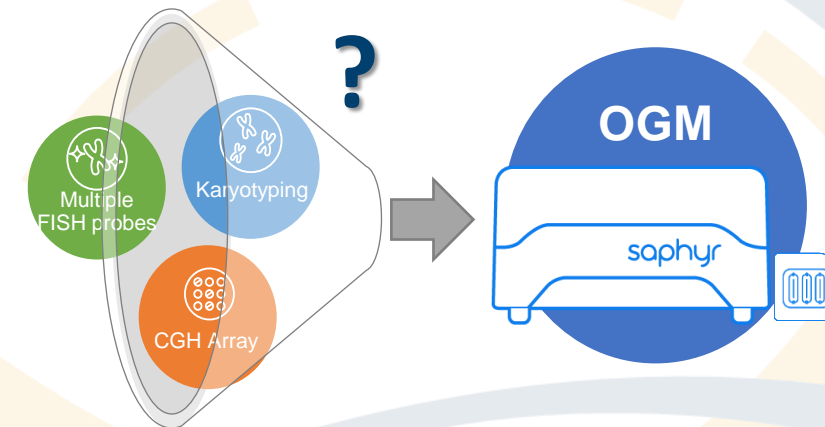
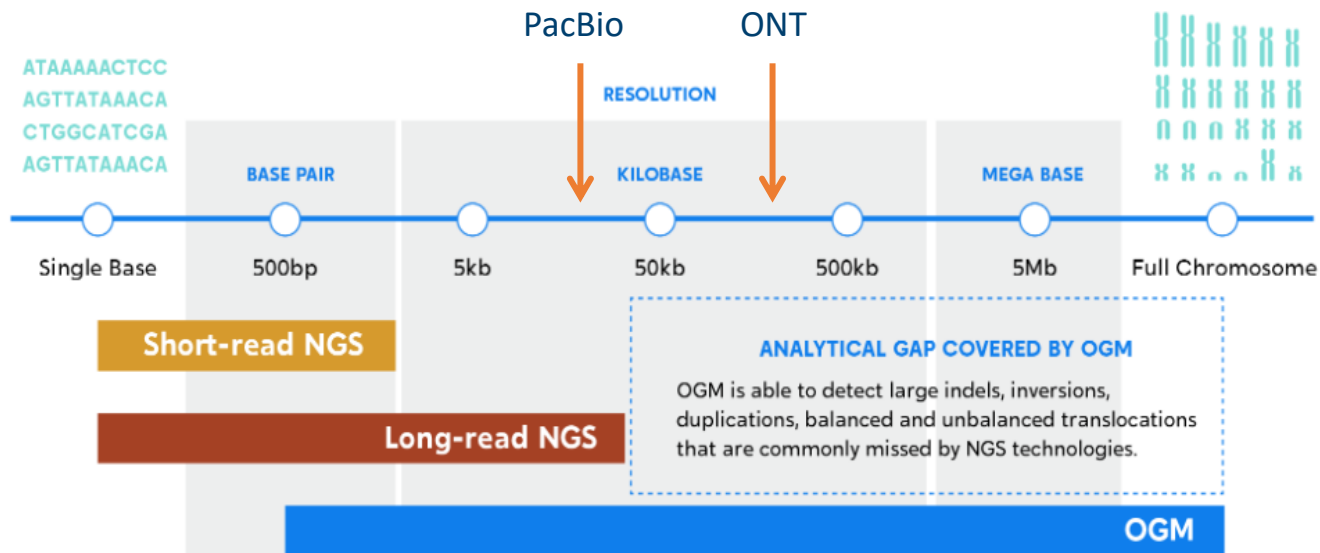


# Bridge the gap between cytogenetics & sequencing

OGM fills the gaps of other methods:

- higher resolution (10,000x higher than karyotyping)
- genome-wide coverage
- all classes of structural variants detected

## ➤ Powerful combination of approaches

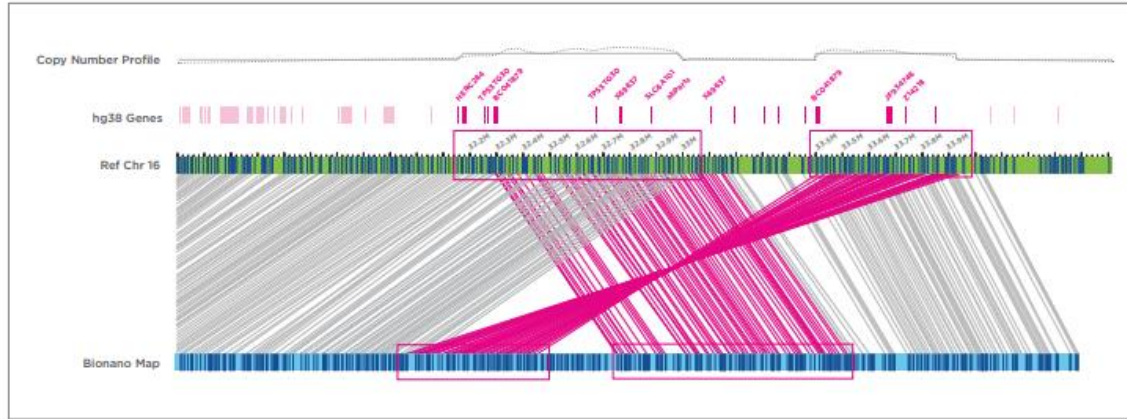


OGM and Sequencing are friends, not competitors 😊

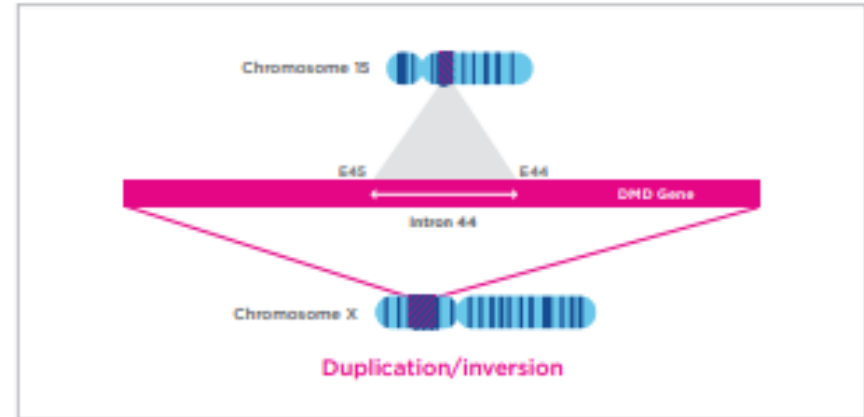
# Detect all classes of structural variants

VARIANT TYPE	KARYOTYPE	FISH	CMA	NGS	OGM
Aneuploidy	✓	✓ Targeted	✓	✓	✓
Deletion	✓ > 5-10 Mbp	✓ Targeted	✓	✓	✓
Duplication	✓ > 5-10 Mbp	✓ Targeted	✓	✓	✓
Translocation	✓ > 5-10 Mbp	✓ Targeted	✗	✓ Restricted to targeted panels	✓
Inversion	✓ > 5-10 Mbp	✓ Targeted	✗	✗	✓
AOH	✗	✗	✓	✓	✓ Germline
Repeat expansion	✗	✗	✗	✓ Limited to short repeats	✓ Limited to large repeats
Repeat Contraction	✗	✗	✗	✗	✓
SNV	✗	✗	✗	✓	✗

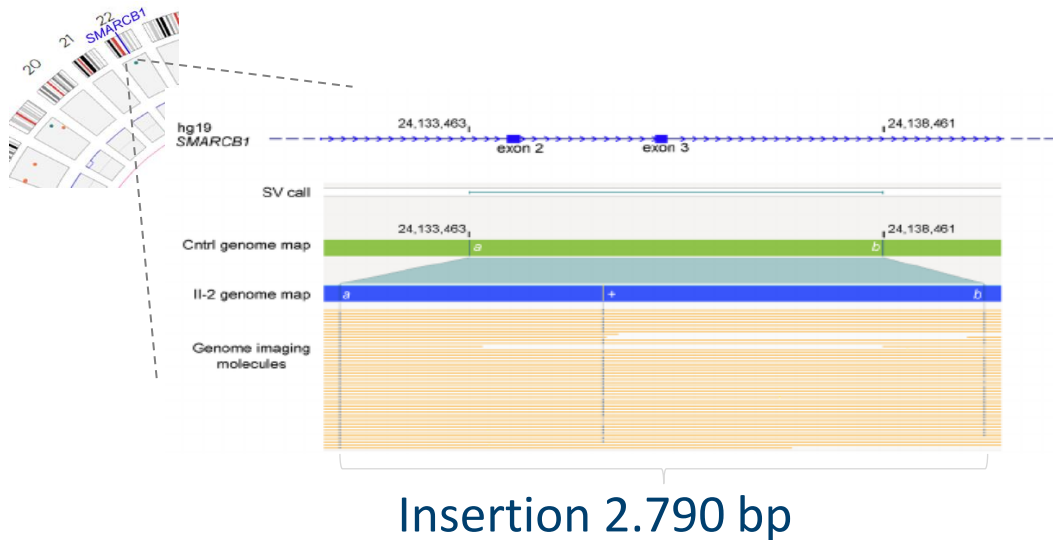
## Find New Candidate Genes



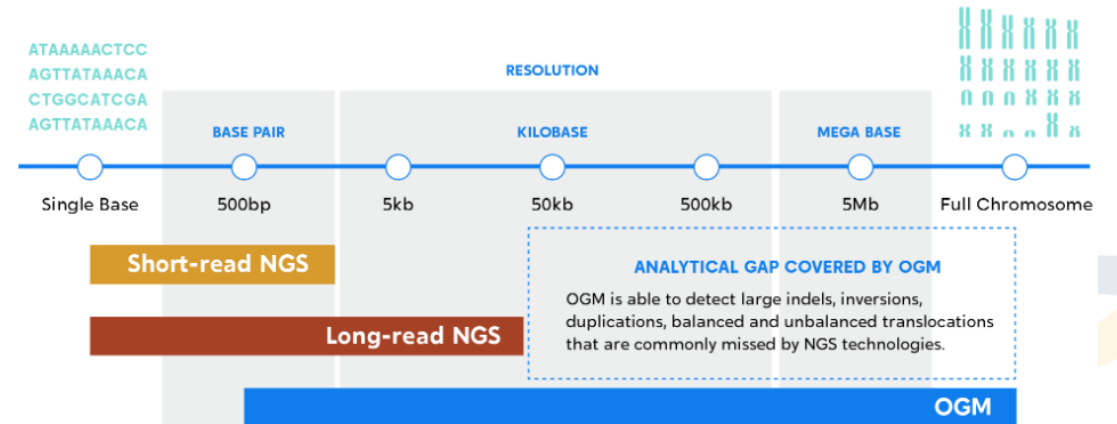
## Identify New Variants in Known Genes



## Find Variants Other Technologies Can't See

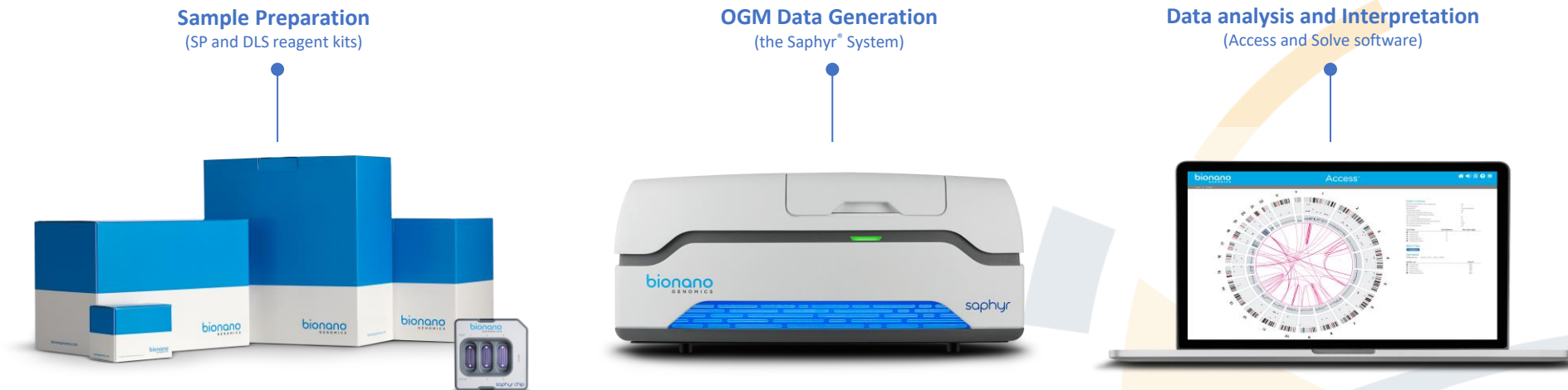


## Combine with NGS



# Find out why to OGM with IAB

- Experienced expert team
- Sample-specific preparation
- Customized outcomes / data output
- Complete workflow in house
- Workshop included
- Best in class price / value ratio



Acquiring OGM data has never been easier



Ask for full presentation [here](#) and explore the whole OGM sphere!

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