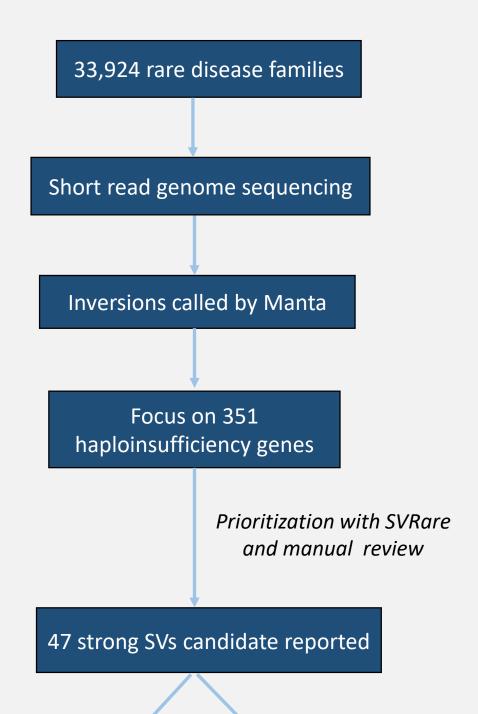
INVERSION PIPELINE



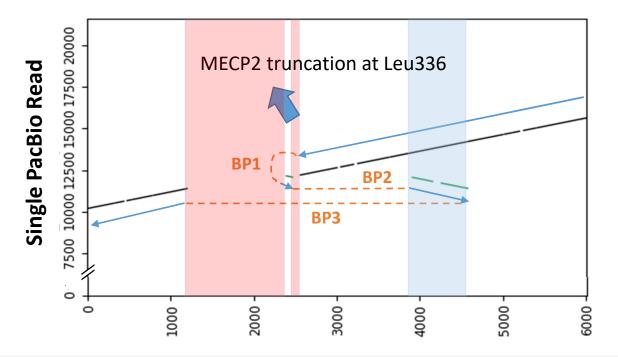
2 SVs are VUS

45 SVs considered likely diagnostic

VALIDATION

DNA validation of SVs

- Variety of orthogonal approaches (incl. retrospective exome analysis)
- Long-read sequencing for 2 ambiguous SVs altered clinical interpretation



RNAseq supported diagnosis in 6 cases

- Effects included expression outlier, allelic imbalance, truncation, fusiongene creation and exon skipping
- Genes affected were DYRK1A, APC, KMT2B, MLH1, PHEX and PTEN

Skipping of PTEN exons 6-8

