





C Hifiasm partially-phased assembly











Translocation localization

= Mapq 10-60, supplementary alignments chrX hap1
= 3603 bp deletion

0

chr10 Hap2 chrX Hap1

61,411,930 bp	61,411,940 bp		- 41 bp 61,411,950 bp	61,4	61,411,960 bp	
ONT						
154,023,807-15	4,027,075					
54,024,000 bp		154,025,000 bp	3,270 bp	154,026,000 bp	154,02	
haine			3603 bp			
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			* 1			



Ш 11 11111 11 1=LHOR organization in Super Families (SF0-3) 2=Specific variants for each haplotype 85-90% 90-95% 95-97% 97-98% 99-100% 100%

chr20

chr 19

chr 17

chr 18

Supplementary Figure 8

chr 21

chr 22

L

a IHORs Coverage





