

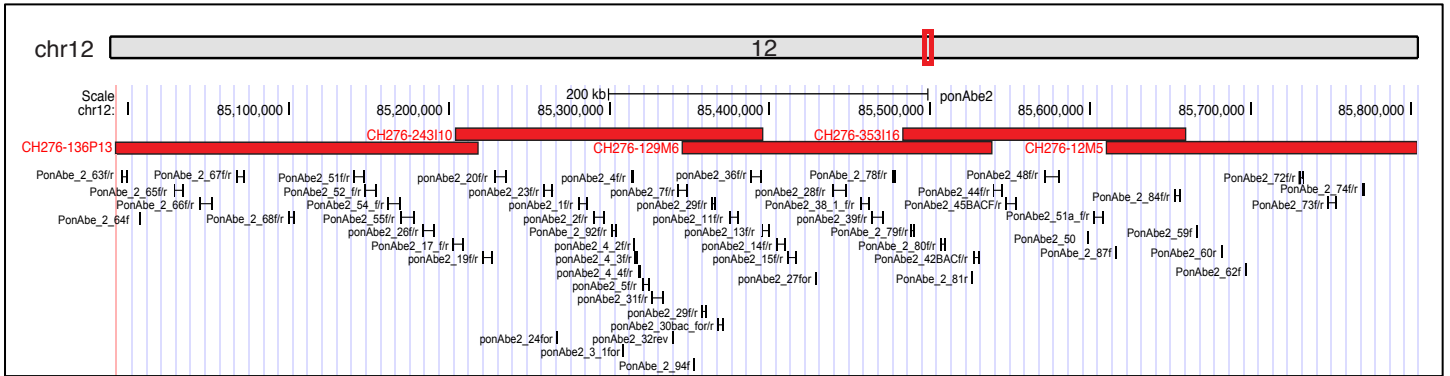
# Epigenetic origin of evolutionary novel centromeres

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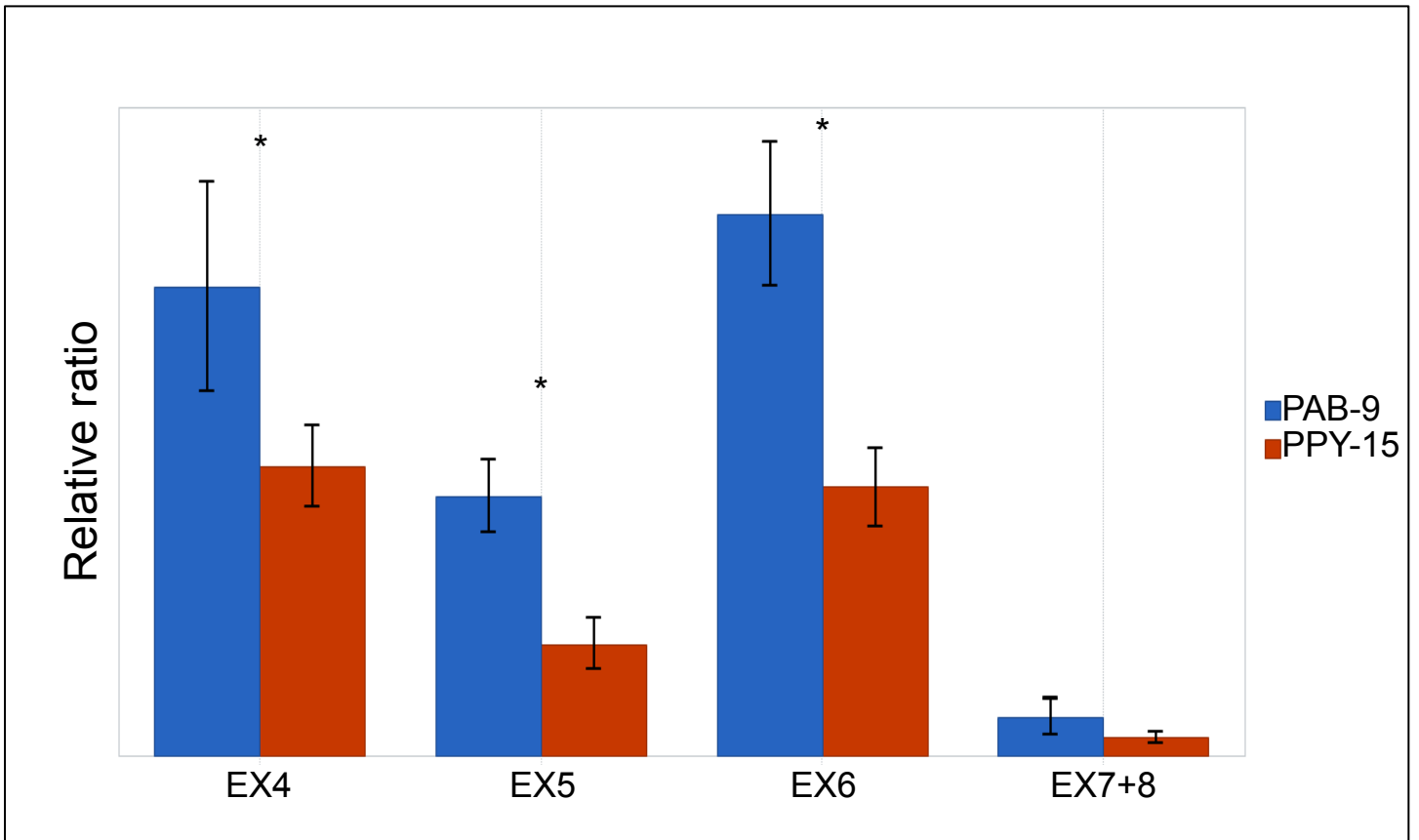
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**Supplementary Figure S1.** Distribution of Sanger sequenced LR-PCR ends (black vertical bars) with respect to the *ponAbe2* sequence of chromosome 12 and to the 5 sequenced BACs of the CH276 library (red rectangles). Some ends are not reported because of their low quality. On the left of each LR-PCR product are reported the corresponding primer names.



**Supplementary Figure S2.** Exon-specific reverse transcription quantitative PCR analysis of *SLC6A15*, performed in PPY-15 vs PAB-9. The statistical analysis was carried out using the LightCycler® 96 Software 1.1 (Roche). Asterisks indicate statistically significant results ( $p < 0.05$ ).



<b>primer name</b>	<b>sequence (5'-3')</b>	<b>map position (ponAbe2)</b>
SLC15_4F	TGGA ACTCTCTGTGGGTCAA	chr12:85,479,014-85,479,033
SLC15_4R	CCATACACCAATGCTGCCTC	chr12:85,478,984-85,479,003
SLC15_5F	CTCAGTCTTTTCAGCAACCCC	chr12:85,478,505-85,478,525
SLC15_5R	TTTCACCAAAGGACTGATCC	chr12:85,478,476-85,478,497
SLC15_6F	GGGCTTAAACTGGAAGATGACC	chr12:85,476,967-85,476,988
SLC15_6R	CAAGCAAACCATGACCCAGG	chr12:85,476,931-85,476,950
SLC15_7F	TCGCCACATGTTTACCCCTA	chr12:85,465,882-85,465,901
SLC15_8R	GCAGCTTCTCTCCAGACCTT	chr12:85,463,057-85,463,076

**Supplementary Table S3.** Primers used for RT-qPCR of the *SLC6A15* gene.