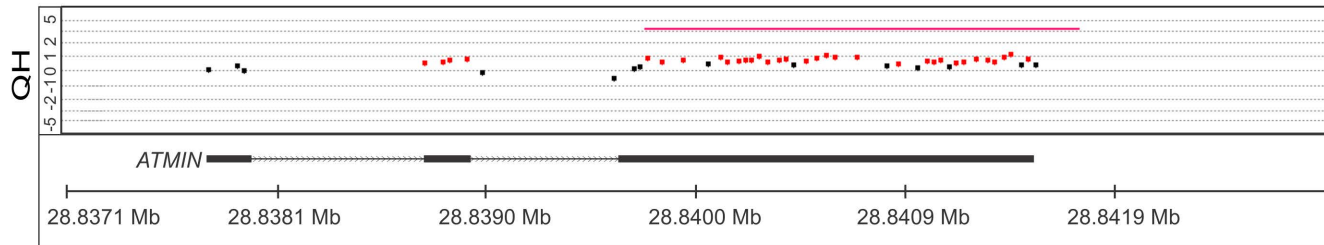
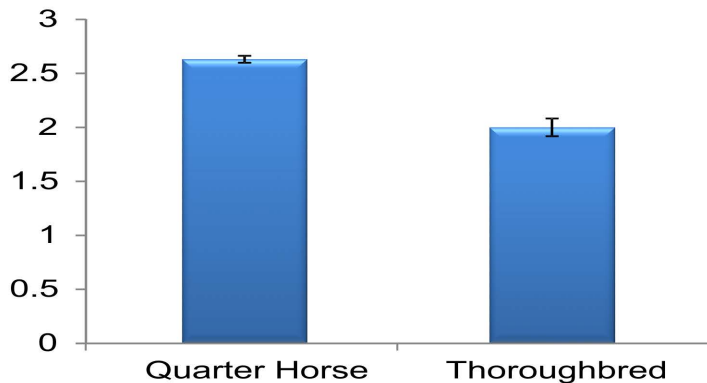
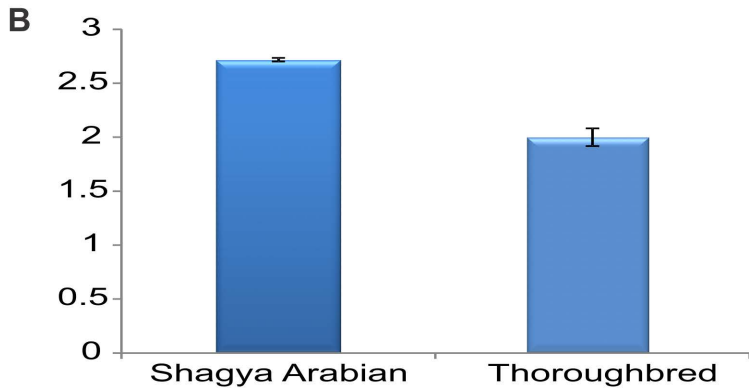
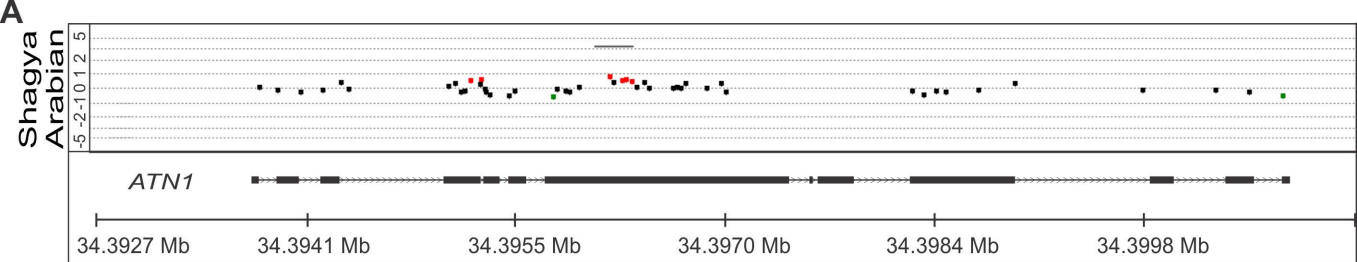
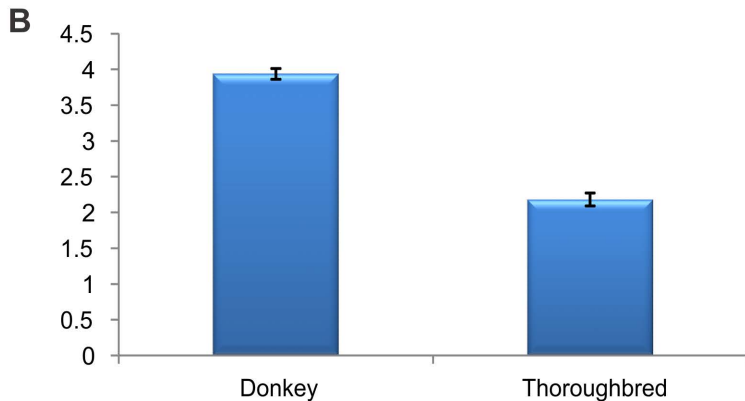
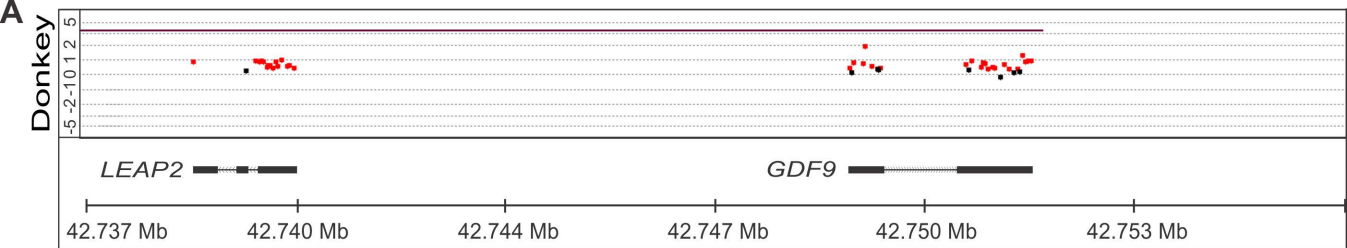


A**B**

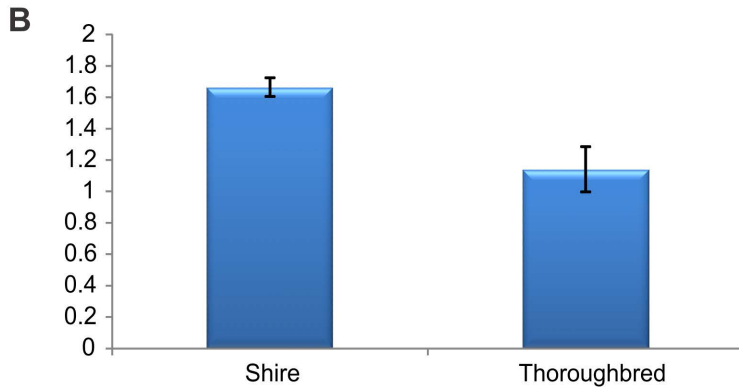
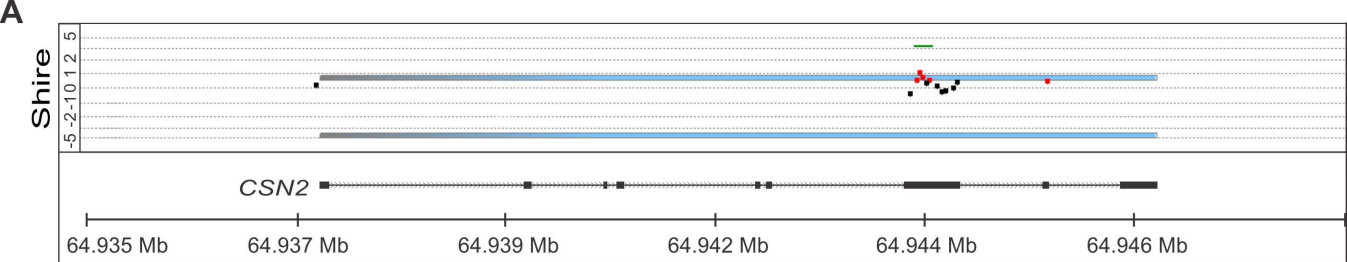
Supplementary Figure 1. Confirmation of duplication in *ATMIN* gene.



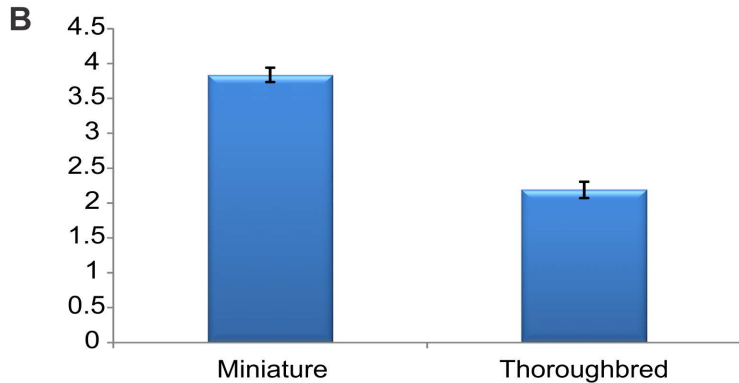
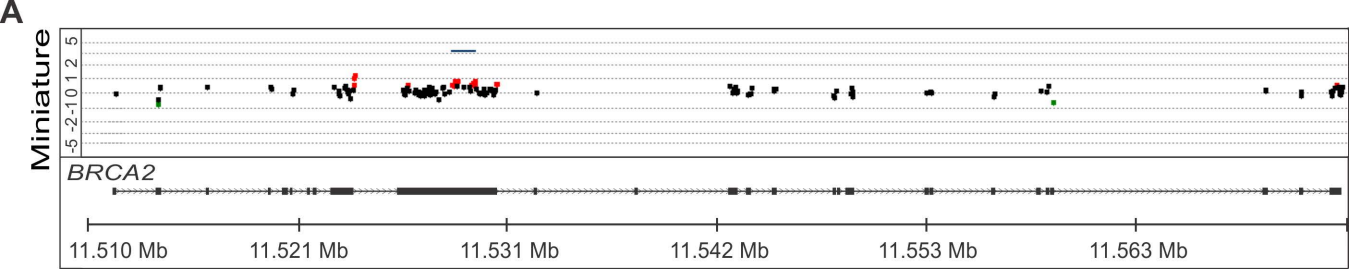
Supplementary Figure 2. Confirmation of duplication in *ATN1* gene.



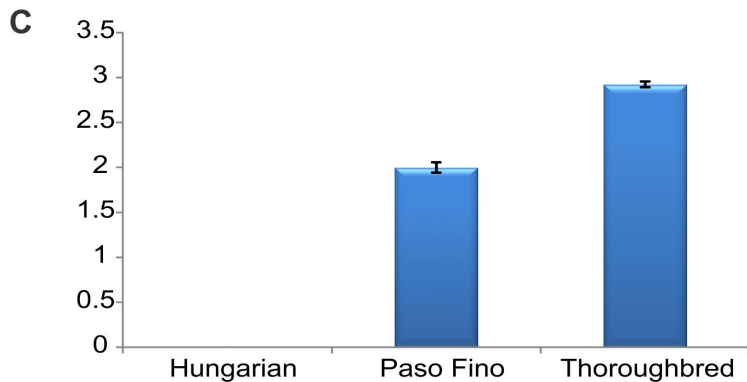
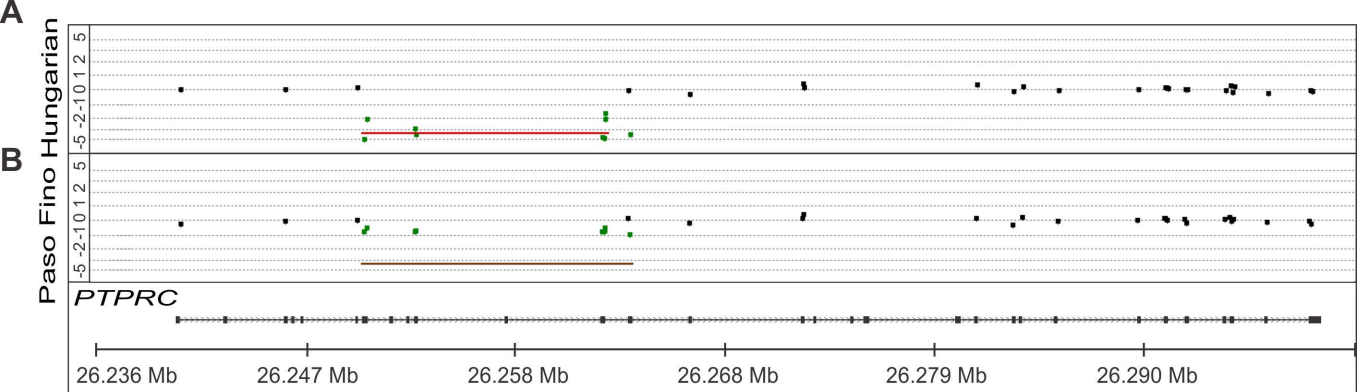
Supplementary Figure 3. Confirmation of duplication in *GDF9* gene.



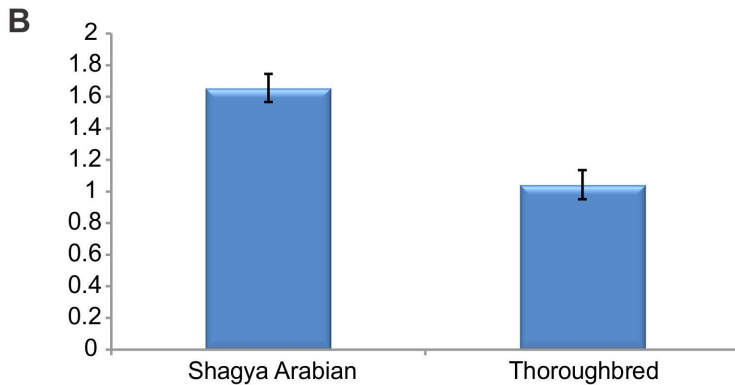
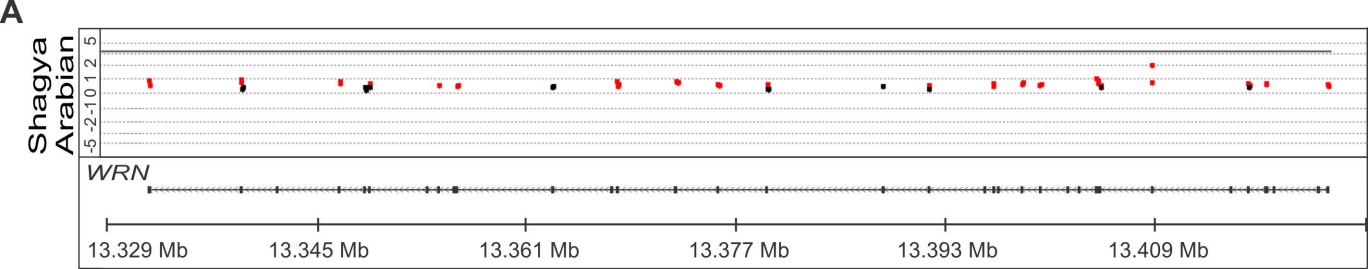
Supplementary Figure 4. Confirmation of duplication in *CSN2* gene.



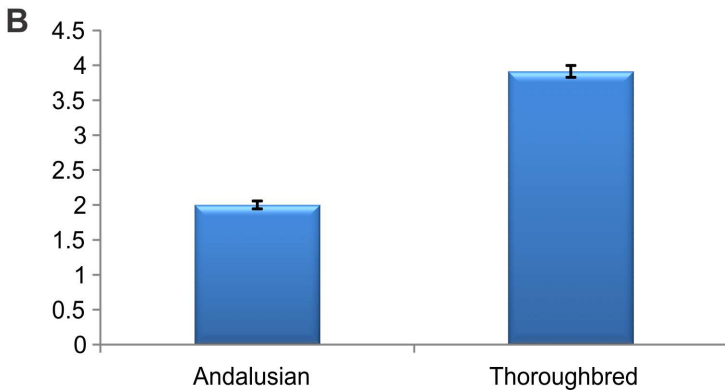
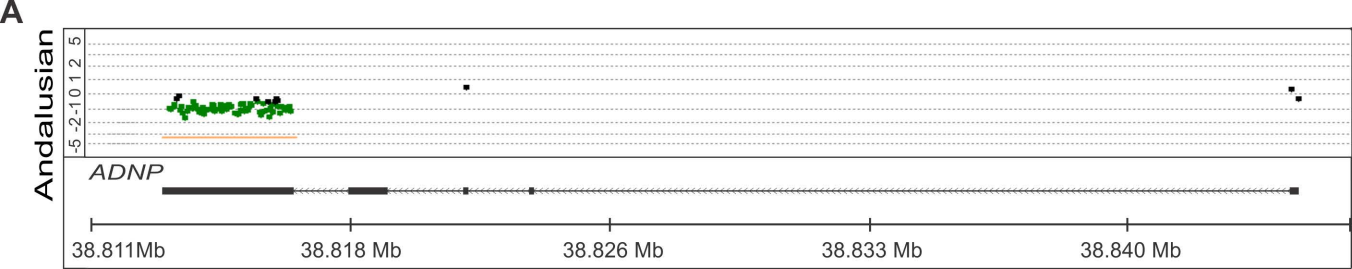
Supplementary Figure 5. Confirmation of duplication in *BRCA2* gene.



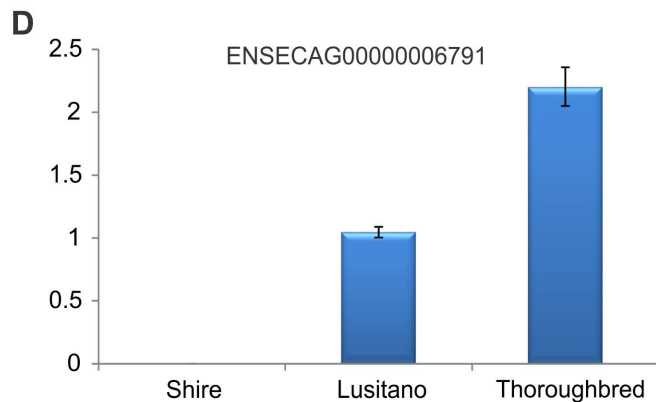
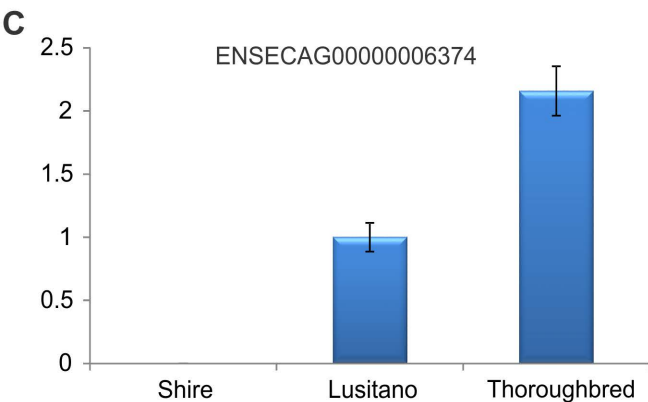
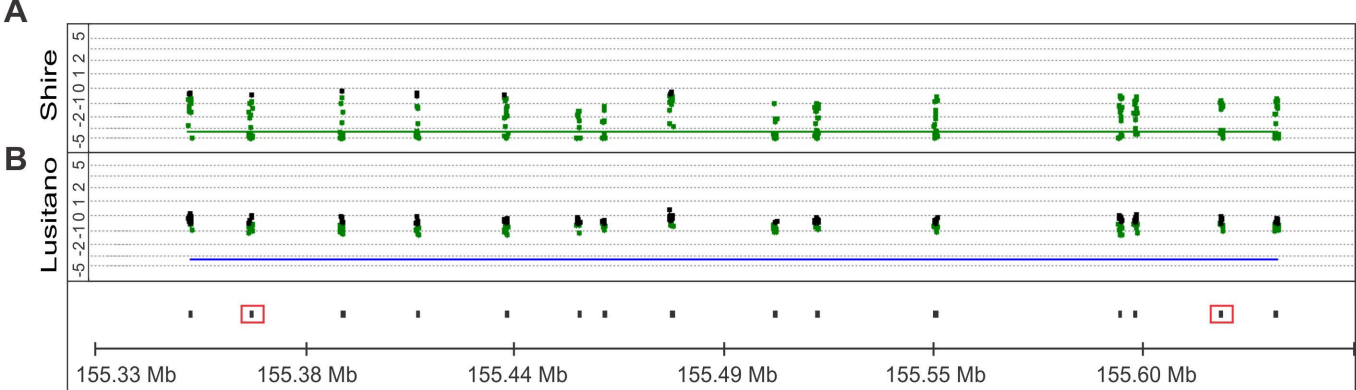
Supplementary Figure 6. Confirmation of deletion in *PTPRC* gene.



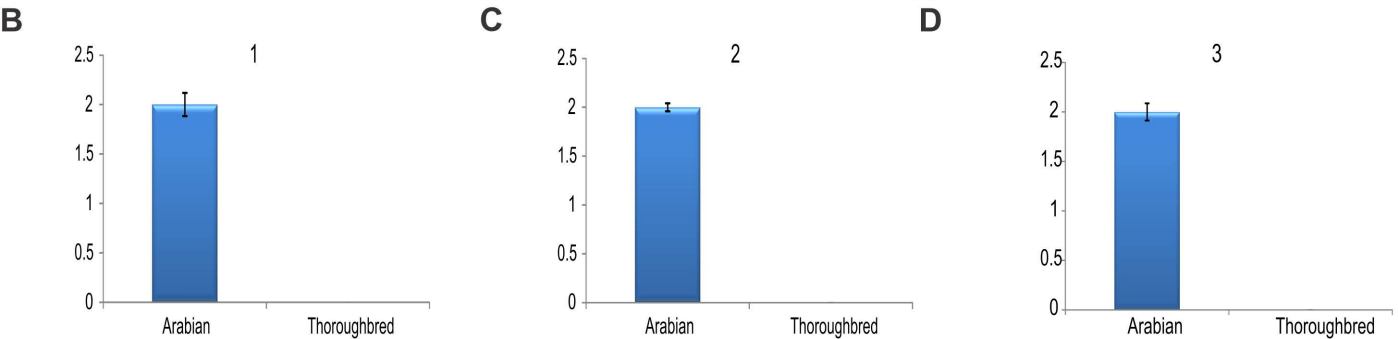
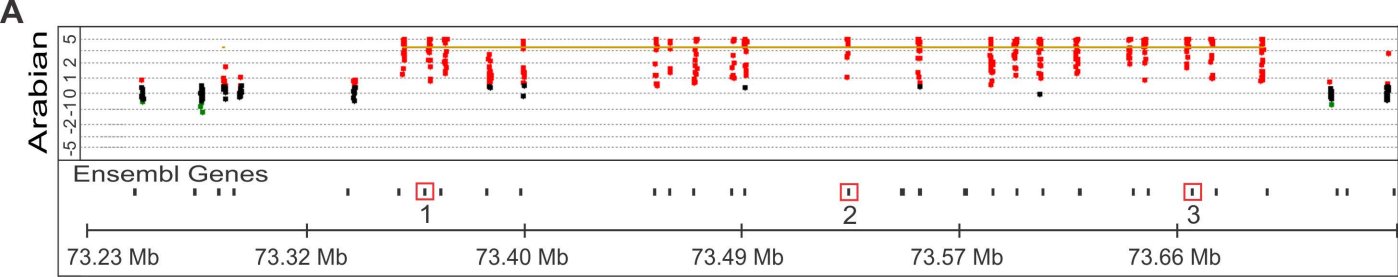
Supplementary Figure 7. Confirmation of duplication in *WRN* gene.



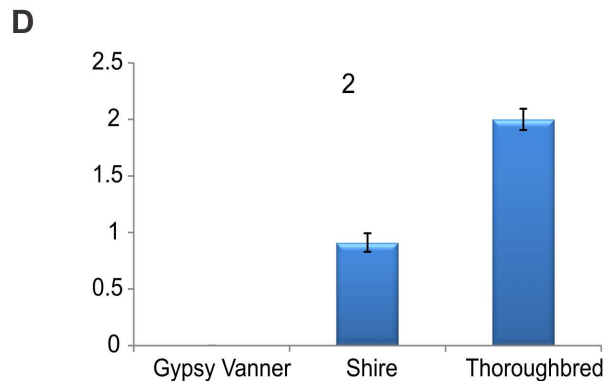
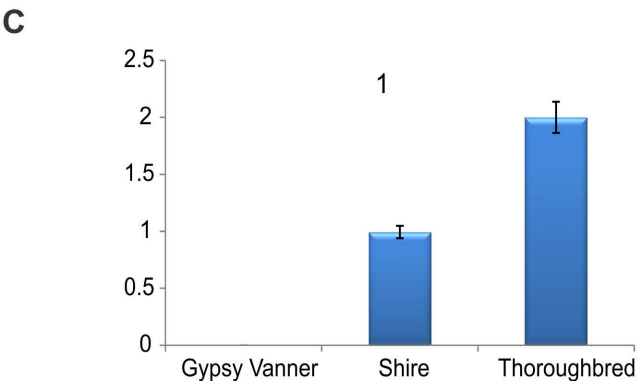
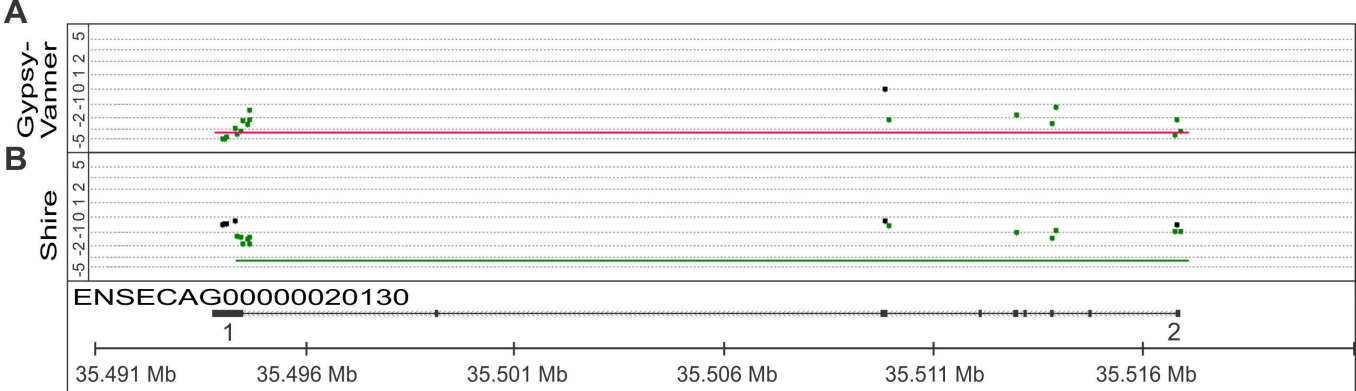
Supplementary Figure 8. Confirmation of CNV in *ADNP* gene.



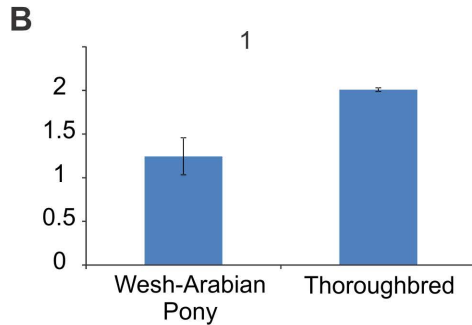
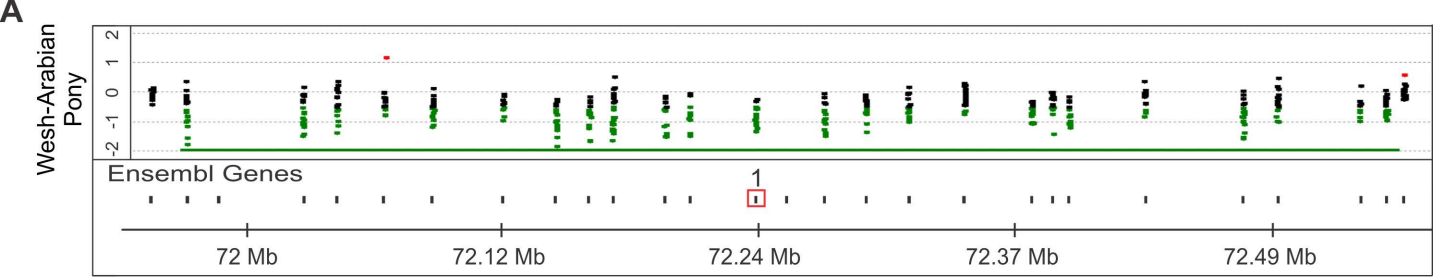
Supplementary Figure 9. Confirmation of deletion of olfactory receptor gene cluster.



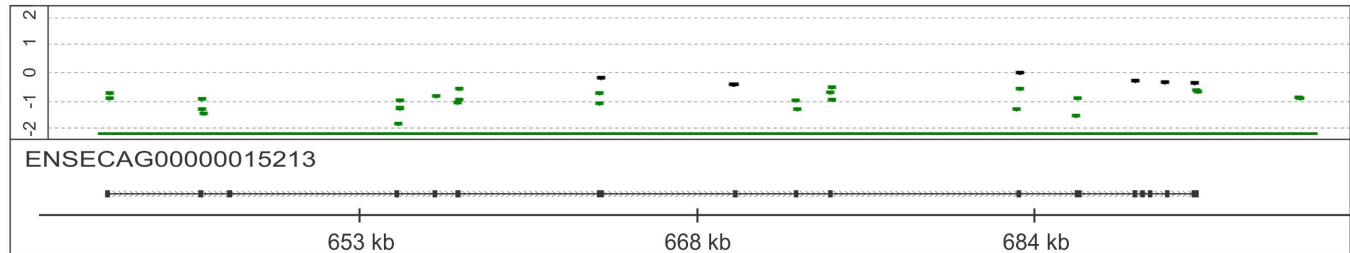
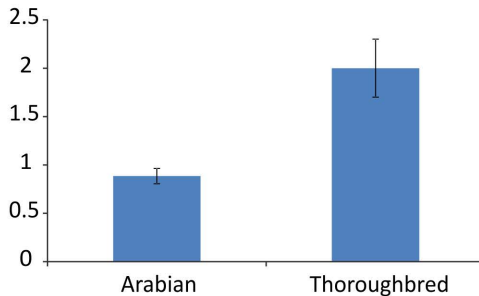
Supplementary Figure 10. Confirmation of deletion in olfactory receptor gene cluster.



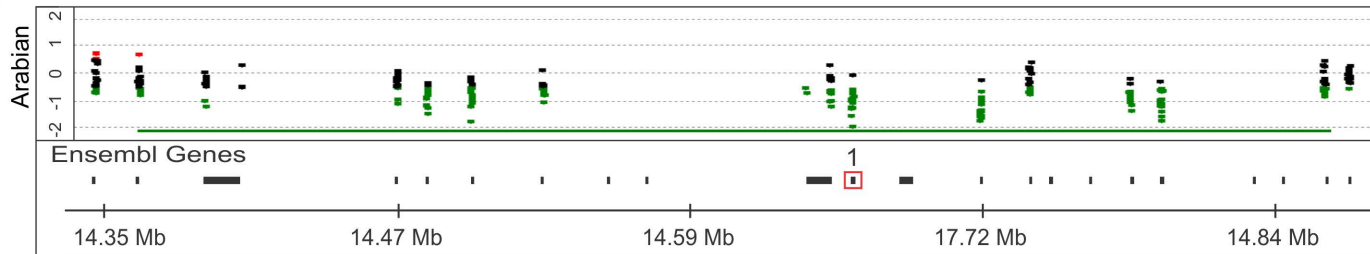
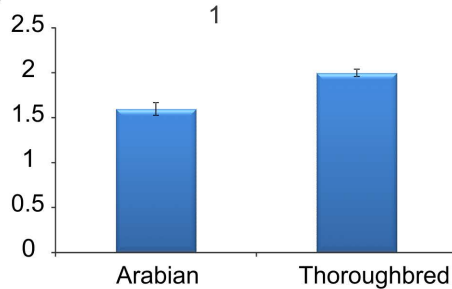
Supplementary Figure 11. Confirmation of deletion of *ABO* blood type gene.



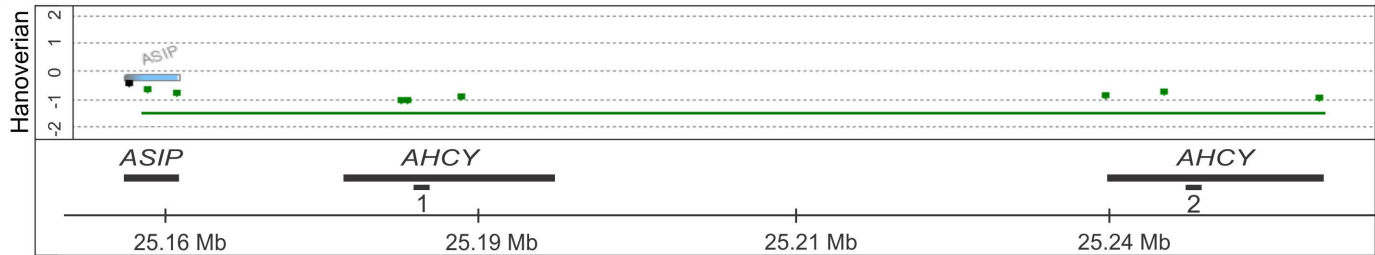
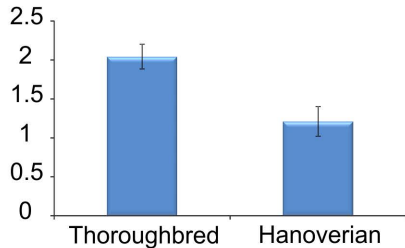
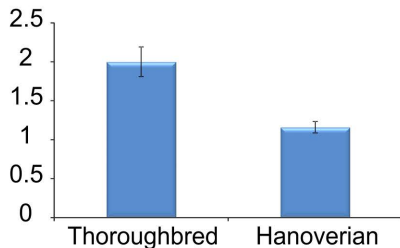
Supplementary Figure 12. Confirmation of loss in olfactory receptor gene cluster.

A**B**

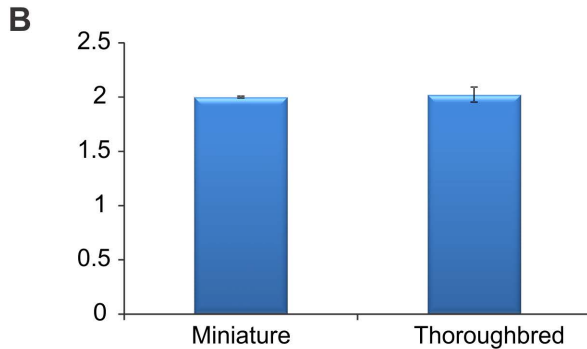
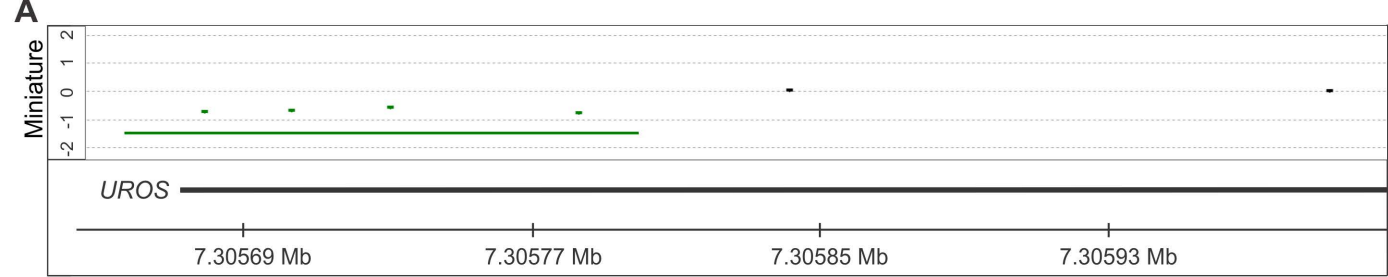
Supplementary Figure 13. Confirmation of heterozygous deletion CNV.

A**B**

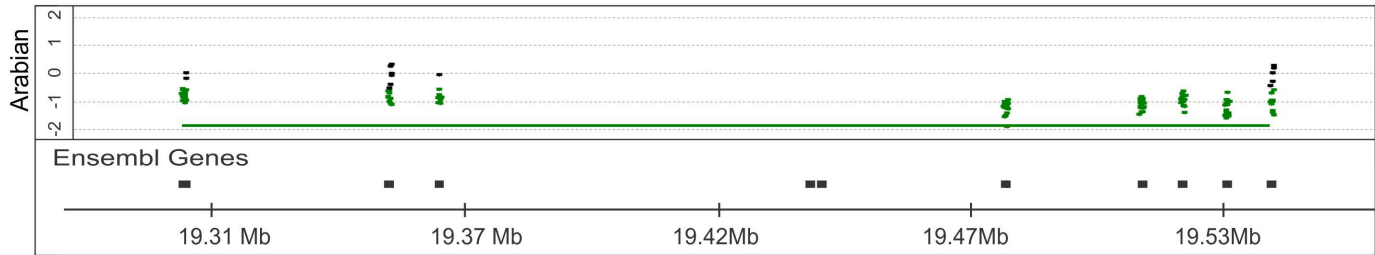
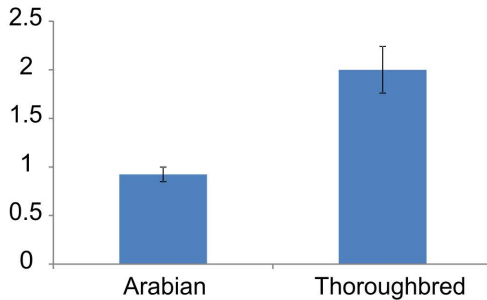
Supplementary Figure 14. Confirmation of loss in olfactory receptor gene cluster.

A**B****C**

Supplementary Figure 15. Confirmation of loss in ASIP locus.

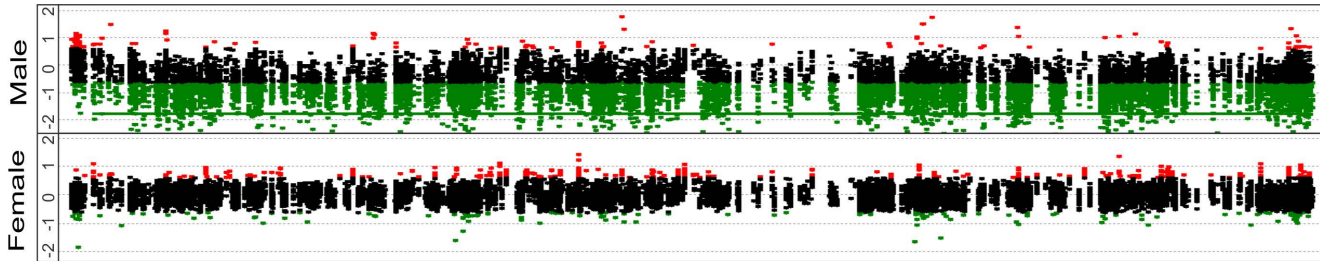


Supplementary Figure 16. CNV in *UROS* not confirmed by qPCR.

A**B**

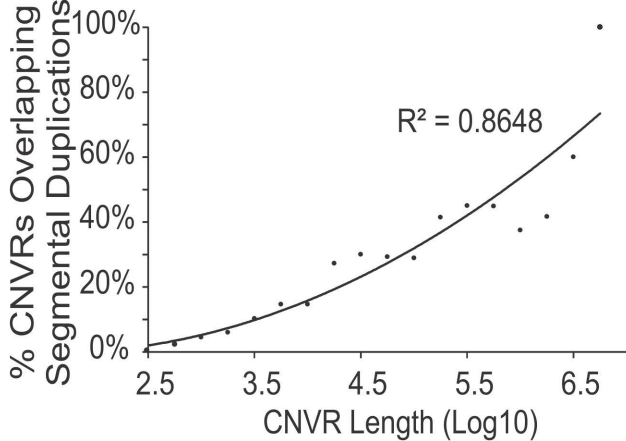
Supplementary Figure 17. Confirmation of loss in olfactory receptor cluster..

A



B

Supplementary Figure 18. Confirmation of sex in a male (a) and female (b) sample by CGH.



Supplementary Figure 19. CNVRs overlapping segmental duplications.