

Variability in porcine microRNA genes and its association with mRNA expression and lipid phenotypes

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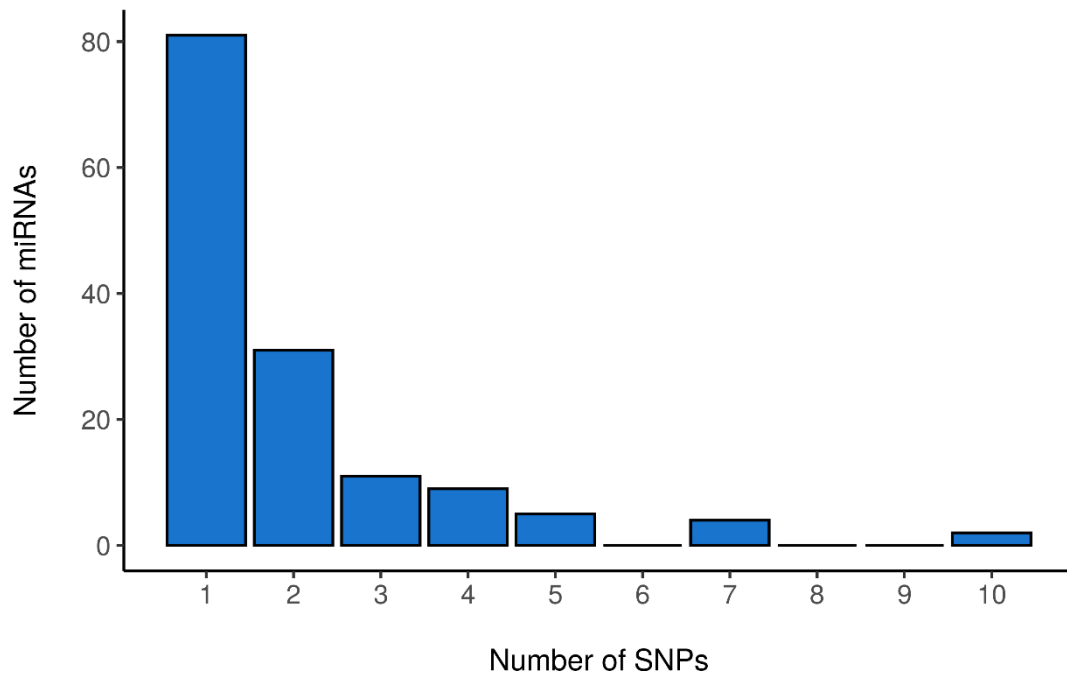
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Additional file 4: Fig. S1: Sequence homology between 12 porcine miRNAs harboring SNPs that have been genotyped in the Lipgen population (N = 345) and their corresponding human miRNA orthologous sequences.

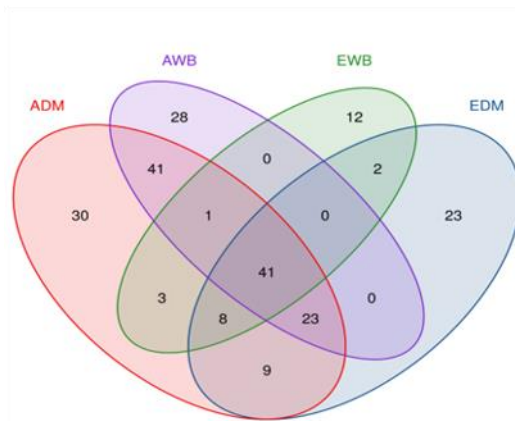
hsa-miR-339-5p	UCCUGUCUCCAGGAGCUCACG 	hsa-miR-326	CCUCUGGGCCCUUCCUCCAG
ssc-miR-339	UCCUGUCUCCAGGAGCUCA	ssc-miR-326	CCUCUGGGCCCUUCCUCCAG
hsa-miR-130a-3p	CAGUGCAAUGUAAAAGGGCAU 	hsa-miR-34c-5p	AGGCAGUGUAGUAGCUGAUUGC
ssc-miR-130a	CAGUGCAAUGUAAAAGGGCAU	ssc-miR-34c	AGGCAGUGUAGUAGCUGAUUGC
hsa-miR-23a-3p	AUCACAUUGCCAGGGAUUUCC 	hsa-miR-378a-3p	ACUGGACUUGGAGUCAGAAGGC
ssc-miR-23a	AUCACAUUGCCAGGGAUUUCC	ssc-miR-378-2	ACUGGACUUGGAGUCAGAAGGC
hsa-miR-30d-5p	UGUAAACAUCCCGACUGGAAG 	hsa-miR-15b-5p	UAGCAGCAUCAUGGUUUACA
ssc-miR-30d	UGUAAACAUCCCGACUGGAAG	ssc-miR-15b	UAGCAGCAUCAUGGUUUACA
hsa-miR-371a-5p	ACUCAACUGUGGGGGCACU 	hsa-miR-486-5p	UCCUGUACUGAGCUGCCCCGAG
ssc-miR-371-5p	ACUCAACUGUGGGGGCACUUU	ssc-miR-486	UCCUGUACUGAGCUGCCCCGAG
hsa-miR-429	UAAUACUGUCUGUAAAACCGU 	hsa-miR-335-5p	UCAAGAGCAAUAACGAAAAAUG
ssc-miR-429	UAAUACUGUCUGUAAUGCCGU	ssc-miR-335	UCAAGAGCAAUAACGAAAAAUG

Additional file 8: Fig. S2: Number of SNPs present in each of the annotated porcine miRNA loci that display at least 1 SNP.

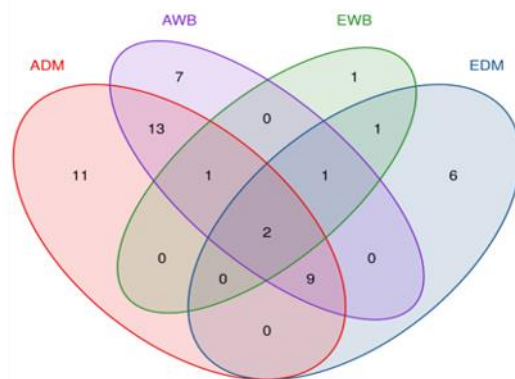


Additional file 9: Fig. S3: Venn Diagrams illustrating the sharing of SNPs located at the (a) *precursor*, (b) *mature* and (c) *seed* regions of miRNA loci among Asian domestic pigs (ADM), Asian wild boars (AWB), European domestic pigs (EDM) and European wild boars (EWB).

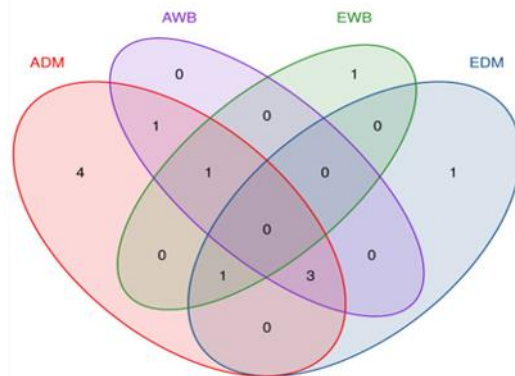
a



b



c



Additional file 12: Fig. S4: Boxplot distribution depicting whole-genome sequencing statistics for the five Duroc boars that sired the Lipgen population (N = 345).

