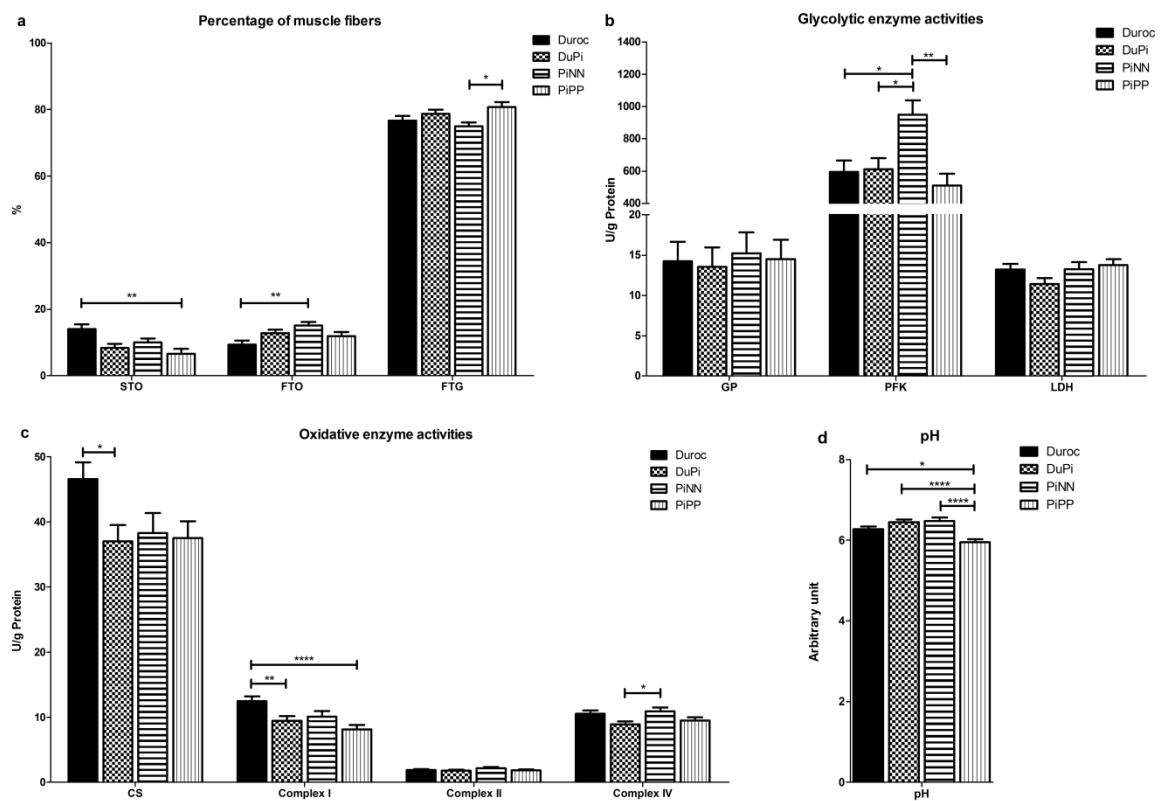


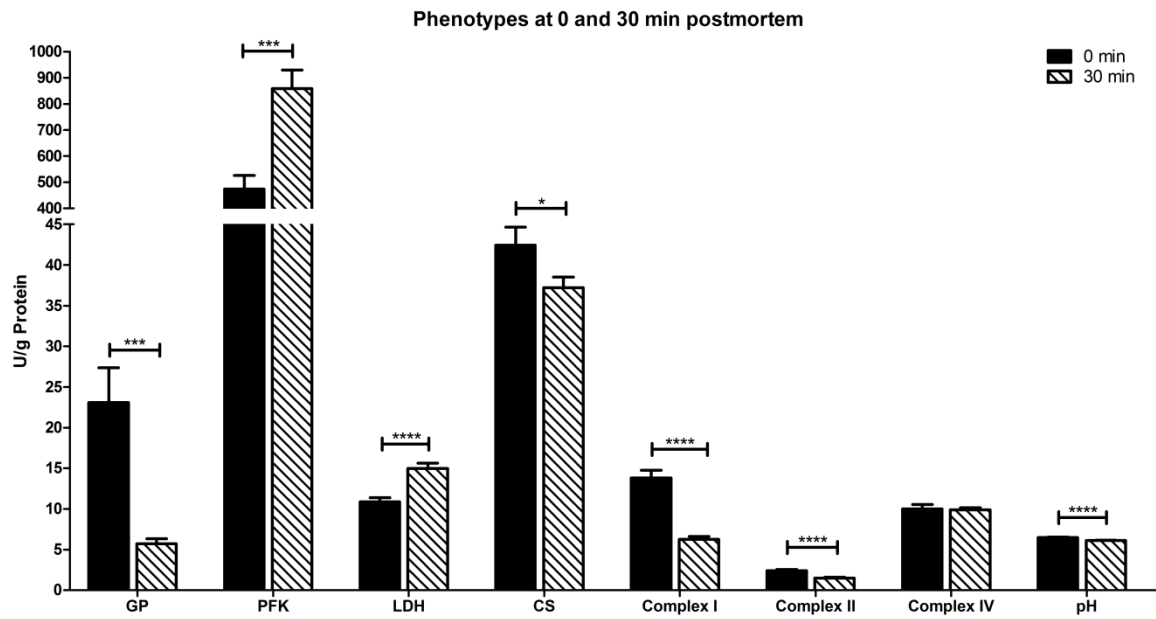
Mitochondrial-nuclear crosstalk, haplotype and copy number variation distinct in muscle fiber type, mitochondrial respiratory and metabolic enzyme activities

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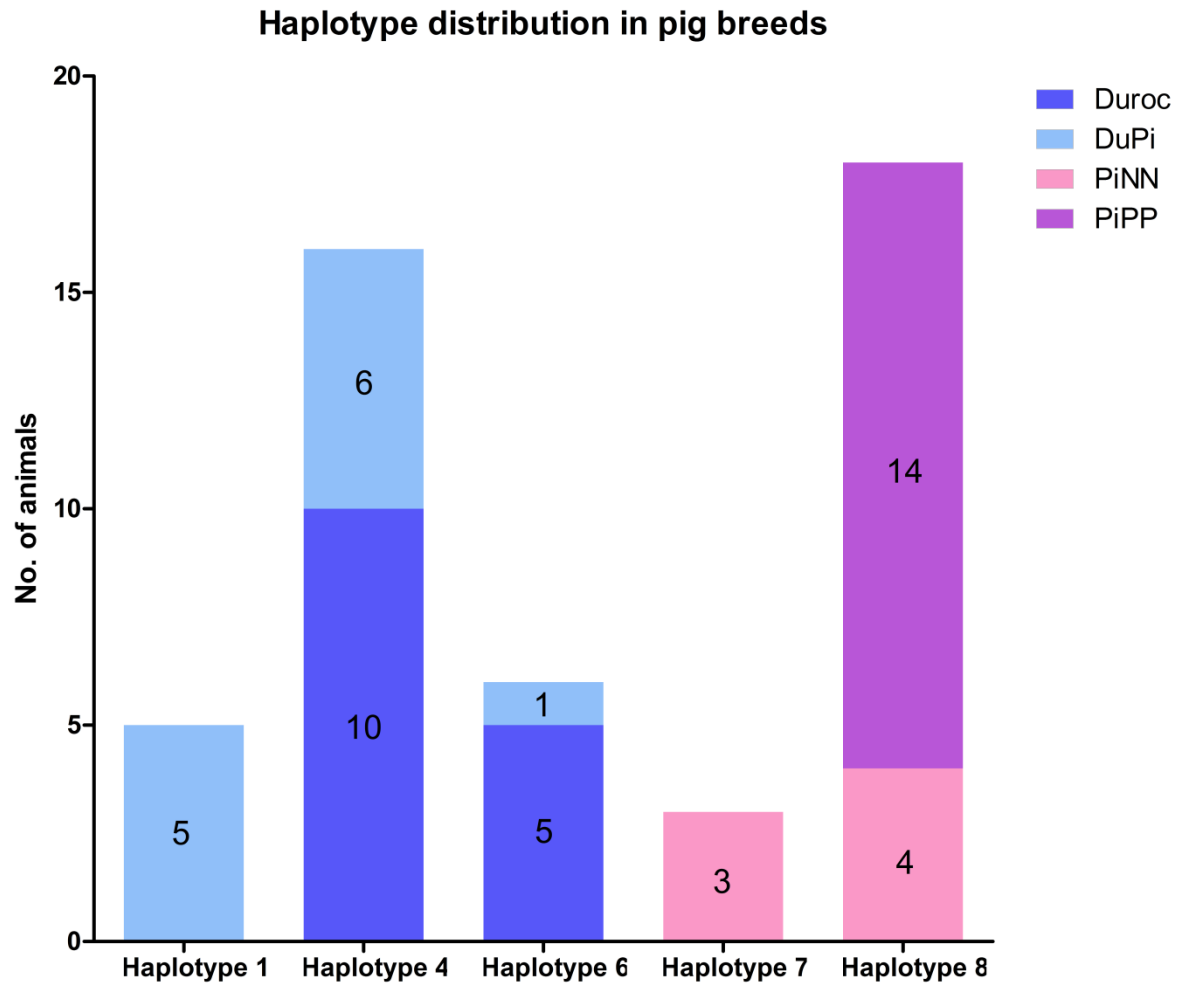
Supplementary Figure 1.

Phenotypes in longissimus muscles of Duroc, DuPi, PiNN and PiPP pig breeds. Least-square means with standard error (Lsmeans \pm SE) of (A) percentage of muscle fibers. (B) Glycolytic enzyme activities. (C) Oxidative enzyme activities (D) pH. * $p < 0.05$; ** $p < 0.01$; **** $p < 0.0001$.



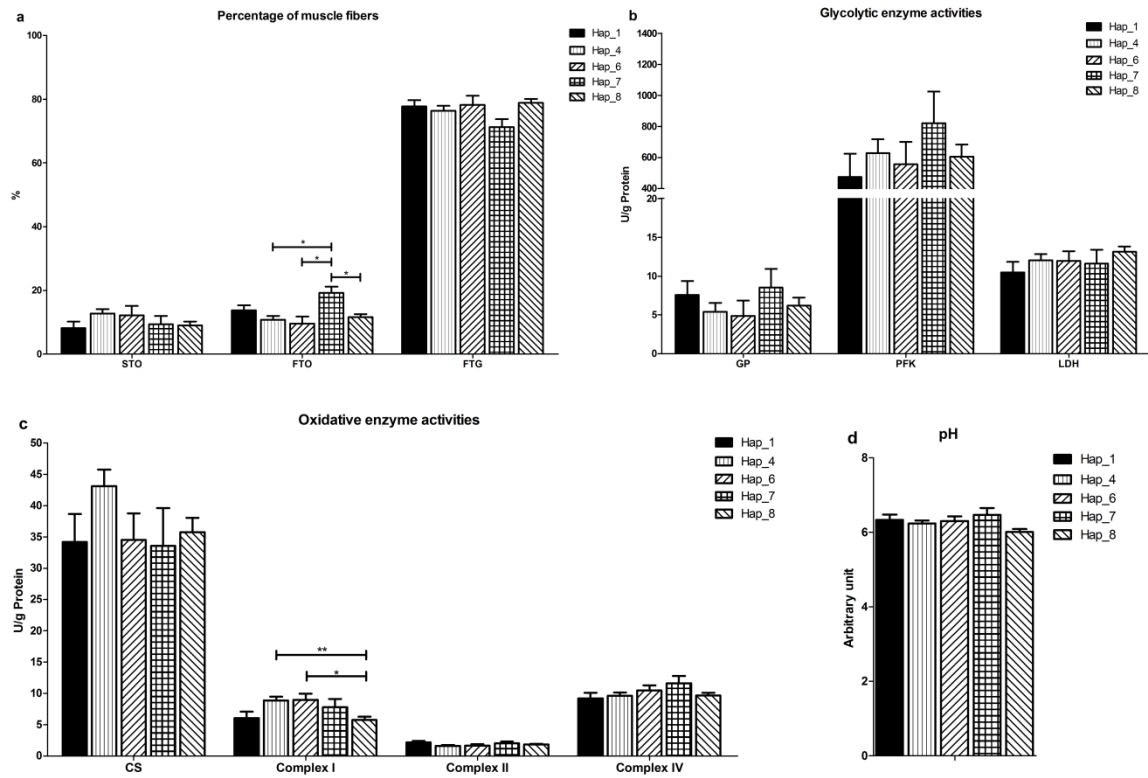
Supplementary Figure 2.

Phenotypes in longissimus muscles at 0 and 30 min postmortem. Least-square means with standard error (Lsmeans \pm SE) of the enzyme activities of glycogen phosphorylase (GP), phosphofructokinase (PFK), lactate dehydrogenase (LDH), citrate synthase (CS), complex I, complex II, complex IV and pH. * $p < 0.05$; *** $p < 0.001$; **** $p < 0.0001$.



Supplementary Figure 3.

Haplotype distribution in four pig breeds. Blue bar indicates breed Duroc; light blue bar indicates breed DuPi; pink bar indicates breed PiNN; purple bar indicates breed PiPP. The number labelled on each color bar indicates the no. of animals in one particular haplotype.



Supplementary Figure 4.

Phenotypes in longissimus muscles of different mitochondrial haplotypes. Least-square means with standard error (Lsmeans \pm SE) of (A) percentage of muscle fibers. (B) Glycolytic enzyme activities. (C) Oxidative enzyme activities (D) pH. * $p < 0.05$; ** $p < 0.01$.