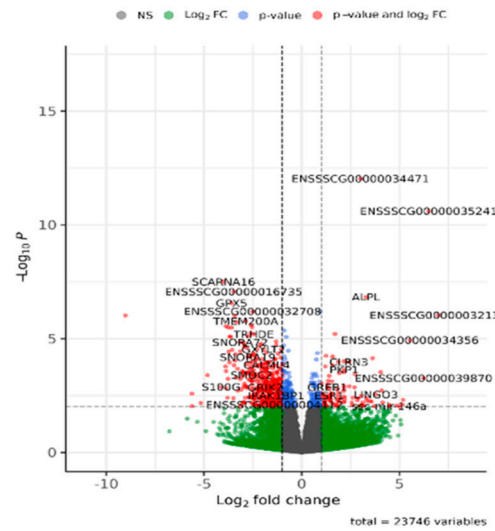
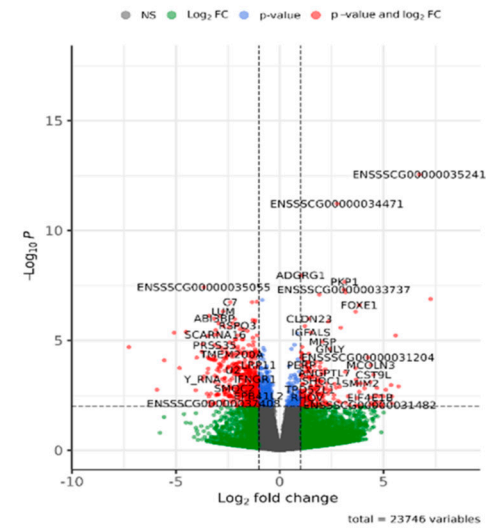


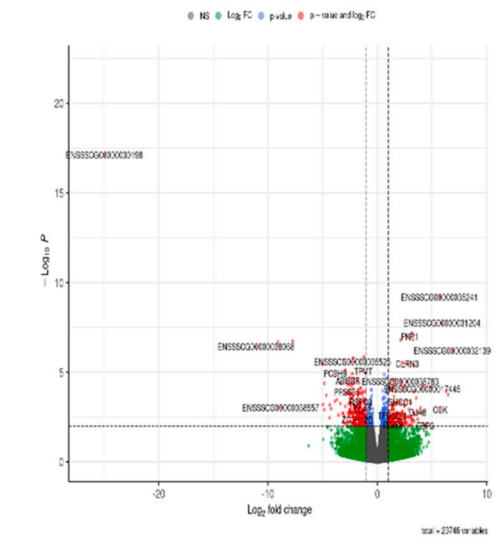
## A Large litter (AI) vs Wild boar



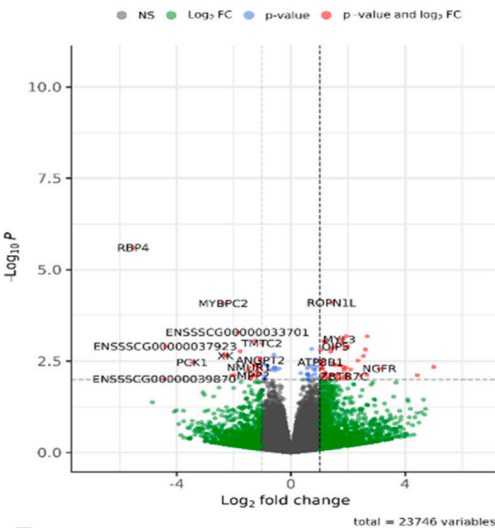
**B** Large litter (ET) vs Wild boar



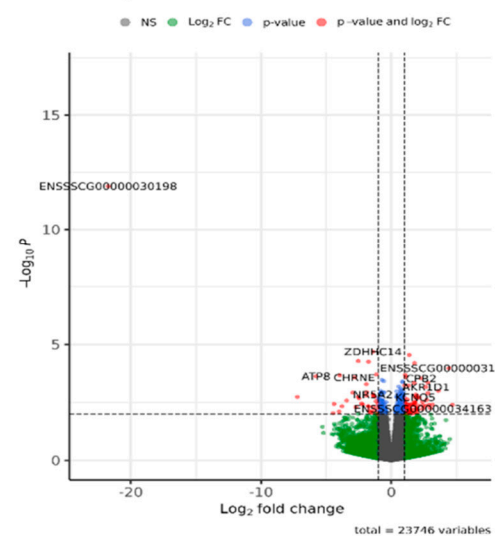
**C** Small litter (ET) vs Wild boar



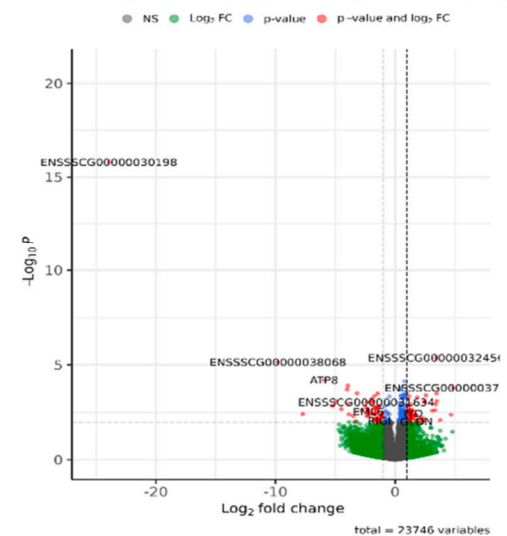
#### D Large litter (ET) vs Small litter (ET)



**E** Large litter (AI) vs Small litter (ET)



F Large litter (AI) vs Large litter (ET)



**Figure S1.** Volcano plots showing differentially expressed genes' comparison in the placentas with (A) the large litter obtained by artificial insemination (AI) vs wild boar, (B) large litter obtained by embryo transfer (ET) vs wild boar, (C) small litter (ET) vs wild boar, (D) large litter (ET) vs small litter (ET), (E) large litter (AI) vs small litter (ET) and (F) large litter (AI) vs large litter (ET). The most variable genes are identified by red dots.

**Table S1.** List of primers for real-time quantitative PCR.

Gene	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Fpn</i>	TCGCCTAGTGTCATGACCAG	CAGAAACACAGACACCGCAA
<i>Tfr1</i>	GCCGAAGTGGCTGGTCATC	CAGACTCAGACCCATCTCCCT
<i>Dmt1</i>	GCAGGTGGTTGACGTCTGTA	CACGCCCCCTTTGTAGATGT
<i>Lft</i>	TGTTTGGACGGAACAGACCC	CTCATGGCTGGTCGGCAATA
<i>Rpl4</i>	CTCAGCGAATGAGAGCTGGT	GTGTTTCGGCGCATTGTCTT
<i>Cp</i>	AGGTCCACAACCTTCATGCCG	GTGCGTGTTTCACCTGGTACT
<i>HephL</i>	CTGTGCTTACCCACGTTGTC	GAAGGAAGGGACAAGGTCA
<i>Heph</i>	TCGCATCTTTCCAGCCACCT	GTGCTTGCATGCCACCTTTC
<i>Atp7b</i>	TGGGATCGGCTGCAAAGTCA	GGCCGCATCTGTTTCTGAGG
<i>Sod1</i>	AAGGCCGTGTGTGTGCTGAA	TGCACTGGTACAGCCTTGTGT

**Table S2.** List of antibodies.

	protein		dilution		dilution
Western blotting	Fpn	FPN1 Polyclonal antibody, #PA5-22993 (Invitrogen)	1:1000	Goat anti-rabbit polyclonal, #A6154 (Sigma-Aldrich)	1:10000
	$\beta$ -Actin	Mouse monoclonal, #MA5-11869, (Thermo Fisher)	1:1000	Goat anti-mouse polyclonal, #A5278 (Sigma-Aldrich)	1:10000
	L-Ft	Rabbit polyclonal, #ab69090, (Abcam)	1:1000	Goat anti-rabbit polyclonal, #A6154 (Sigma-Aldrich)	1:10000
	Cp	Goat-anti human, #C0911, (Sigma- Aldrich)	1:1000	Donkey anti-goat, polyclonal, #sc-2020 (Santa Cruz Biotechnology)	1:10000
	DMT1	Rabbit polyclonal, #NRAMP22-A, Alpha Diagnostic,	1:1000	Goat anti-rabbit polyclonal, #A6154 (Sigma-Aldrich)	1:1000
Immunofluorescence (IF) staining	Heph	Mouse monoclonal, Santa Cruz Biotechnology), sc-365365	1:100	Goat anti-mouse conjugated with Alexa488® fluorochrome (Jackson ImmunoResearch)	1:500
	Cp	Rabbit polyclonal anti-Cp antibody (Dako) Q0121	1 : 100	Goat anti-rabbit conjugated with Cy3® fluorochrome (Jackson ImmunoResearch)	1:500
	Zp	Rabbit polyclonal, US Biological, No. 036510	1:100	Goat anti-rabbit conjugated with Cy3® fluorochrome (Jackson ImmunoResearch)	1:500
	Fpn	Goat polyclonal, Invitrogen, #PA5-143047	1:150	Donkey anti-goat conjugated with Alexa Fluor Plus 488 fluorochrome (Invitrogen)	1:500
	Fpn	Rabbit polyclonal, Alpha Diagnostic, #MTP11-A	1: 150	Goat anti-rabbit conjugated with Cy3® fluorochrome (Jackson ImmunoResearch)	1:500