

List of DEGs (FDR<0.01) and the log fold changes in whole blood of DL and Landrace piglets

Sus scrofa Ensemble ID	Gene	Description	FDR<0.01	Fold change (Landrace/DPL)
ENSSSCG00000000045	NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa [Sus scrofa]	0.0058	3.08 down
ENSSSCG00000000047		NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6-like [Sus scrofa]	0.0012	5.67 up
ENSSSCG00000000572	CMAS	Cytidine monophosphate N-acetylneuraminic acid synthetase [Sus scrofa]	0.0012	1.66 up
ENSSSCG00000000712	VWF	Von Willebrand factor [Sus scrofa]	0.0061	2.68 up
ENSSSCG00000001735	RHAG	Rh-associated glycoprotein [Sus scrofa]	0.0002	2.13 up
ENSSSCG00000002033	CEBPE	CCAAT/enhancer binding protein (C/EBP), epsilon [Sus scrofa]	1.28E-05	2.27 down
ENSSSCG00000002471	ISG12(A)	Putative ISG12(a) protein [Sus scrofa]	1.88E-09	2.76 down
ENSSSCG00000003586	EPB41	Erythrocyte membrane protein band 4.1 [Sus scrofa]	0.0034	1.81 up
ENSSSCG00000003714	HRH4	Histamine H4 receptor [Sus scrofa]	3.51E-08	4.07 down
ENSSSCG00000003746		40S ribosomal protein SA [Sus scrofa]	0.0036	Inf up
ENSSSCG00000004541	FECH	Ferrochelatase [Sus scrofa]	1.53E-06	2.28 up
ENSSSCG00000004875	CYB5A	Cytochrome b5 type A (microsomal) [Sus scrofa]	0.0003	2.07 up
ENSSSCG00000006140	CA2	Carbonic anhydrase II [Sus scrofa]	2.52E-05	2.15 up
ENSSSCG00000006788	ADORA3	Adenosine A3 receptor [Sus scrofa]	0.0023	2.59 down
ENSSSCG00000007115	THBD	Thrombomodulin [Sus scrofa]	0.0004	2.67 down
ENSSSCG00000007140	SMOX	Spermine oxidase [Sus scrofa]	0.0060	1.48 up
ENSSSCG00000007181		Tyrosine-protein phosphatase non-receptor type substrate 1-like, partial [Sus scrofa]	0.0004	2.09 up
ENSSSCG00000007229	BCL-XL	BCL2-like 1 [Sus scrofa]	0.0001	2.06 up
ENSSSCG00000008012	HAGH	Hydroxyacylglutathione hydrolase, mitochondrial-like [Sus scrofa]	0.0008	1.71 up
ENSSSCG00000008205		Ig kappa chain V-I region HK102-like [Sus scrofa]	0.0002	5.98 up
ENSSSCG00000008216	RMND5A	Required for meiotic nuclear division 5 homolog A [Sus scrofa]	0.0002	1.92 up
ENSSSCG00000008228	GNLY	Granulysin [Sus scrofa]	0.0012	1.81 up
ENSSSCG00000008842	KIT	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog [Sus scrofa]	0.0011	3.92 up
ENSSSCG00000009561	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide [Sus scrofa]	5.32E-08	7.47 up
ENSSSCG00000009610	NPM2	Nucleophosmin/nucleoplasmin 2 [Sus scrofa]	0.0023	3.76 down
ENSSSCG00000009675	PNOC	Prepronociceptin [Sus scrofa]	0.0067	1.66 up
ENSSSCG00000010340	FAM213A	Family with sequence similarity 213, member A[Sus scrofa]	8.44E-06	2.14 up
ENSSSCG00000010399	NCOA4	Nuclear receptor coactivator 4 [Sus scrofa]	0.0006	1.96 up
ENSSSCG00000010772	ADAM8	ADAM metallopeptidase domain 8 [Sus scrofa]	0.0039	1.47 down
ENSSSCG00000010806	RGS2	Regulator of G-protein signaling 2 [Sus scrofa]	0.0015	1.58 down
ENSSSCG00000011387		Ring finger protein 123 [Sus scrofa]	0.0008	1.70 up
ENSSSCG00000012060	RIPPLY3	Ripply transcriptional repressor 3 [Sus scrofa]	3.65E-05	Inf up
ENSSSCG00000012076	MX2	Myxovirus (influenza virus) resistance 2 (mouse) [Sus scrofa]	0.0039	1.56 down
ENSSSCG00000013882	FAM129C	Family with sequence similarity 129, member C [Sus scrofa]	0.0039	1.76 up
ENSSSCG00000014441	CSF1R	Colony stimulating factor 1 receptor [Sus scrofa]	0.0038	1.53 up

ENSSSCG00000014851	SLCO2B1	Solute carrier organic anion transporter family, member 2B1 [Sus scrofa]	2.77E-06	2.64 down
ENSSSCG00000014965	ENDOD1	Endonuclease domain containing 1 [Sus scrofa]	6.17E-08	2.50 up
ENSSSCG00000015056	REXO2	RNA exonuclease 2 [Sus scrofa]	0.0031	1.89 up
ENSSSCG00000015102	CCDC84	Coiled-coil domain containing 84 [Sus scrofa]	0.0008	1.83 down
ENSSSCG00000015287	TMCC2	Transmembrane and coiled-coil domain family 2 [Sus scrofa]	0.0008	1.72 up
ENSSSCG00000015617	G0S2	G0/G1 switch 2 [Sus scrofa]	0.0012	6.00 down
ENSSSCG00000016056	GLS	Glutaminase [Sus scrofa]	2.65E-06	2.68 down
ENSSSCG00000016676	INMT	Indolethylamine N-methyltransferase [Sus scrofa]	1.06E-09	2.85 up
ENSSSCG00000016902	GZMA	Granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) [Sus scrofa]	0.0004	5.36 down
ENSSSCG00000016903	GZMA	Granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) [Sus scrofa]	2.65E-06	2.10 down
ENSSSCG00000017358	SLC4A1	Solute carrier family 4 (anion exchanger), member 1 (Diego blood group) [Sus scrofa]	0.0001	1.91 up
ENSSSCG00000017359	RUNDC3A	RUN domain containing 3A [Sus scrofa]	0.0001	1.93 up
ENSSSCG00000017446		L antigen family member 3-like [Sus scrofa]	0.0018	Inf up
ENSSSCG00000017923	ALOX15	Arachidonate 15-lipoxygenase [Sus scrofa]	0.0004	2.9 down
ENSSSCG00000020882		Apolipoprotein L3-like [Sus scrofa]	0.0010	1.93 up
ENSSSCG00000021627	SMIM5	Small integral membrane protein 5 [Sus scrofa]	5.19E-06	2.57 up
ENSSSCG00000021803	RANBP10	RAN binding protein 10 [Sus scrofa]	0.0039	1.55 up
ENSSSCG00000022351	GSTO1	Glutathione S-transferase omega 1 [Sus scrofa]	0.0040	2.44 up
ENSSSCG00000022485		Signal transducer and activator of transcription 6-like [Sus scrofa]	1.21E-09	Inf up
ENSSSCG00000022737	MYD88-2	Myeloid differentiation primary response protein MyD88-like [Sus scrofa]	0.0001	Inf up
ENSSSCG00000022912	NT5C3A	5'-nucleotidase, cytosolic IIIA [Sus scrofa]	0.0036	1.57 up
ENSSSCG00000023108		Essential MCU regulator, mitochondrial-like [Sus scrofa]	5.27E-06	3.86 up
ENSSSCG00000023157	HAGH	Hydroxyacylglutathione hydrolase [Sus scrofa]	0.0002	1.83 up
ENSSSCG00000023383		GPI transamidase component PIG-S-like [Sus scrofa]	0.0004	-Inf down
ENSSSCG00000023456		Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member [Sus scrofa]	0.0014	2.29 up
ENSSSCG00000023710	REEP1	Receptor accessory protein 1 [Sus scrofa]	3.95E-11	3.06 up
ENSSSCG00000024791	CD59	CD59 molecule, complement regulatory protein [Sus scrofa]	8.64E-05	2.42 down
ENSSSCG00000024973	GBP5	Guanylate-binding protein 5 [Sus scrofa]	0.0006	2.32 down
ENSSSCG00000025972	NTAN1	Protein N-terminal asparagine amidohydrolase [Sus scrofa]	0.0040	1.67 up
ENSSSCG00000026352		Protein unc-119 homolog A [Sus scrofa]	0.0005	-Inf down
ENSSSCG00000026701	PHOSPHO1	Phosphatase, orphan 1 [Sus scrofa]	0.0042	2.32 up
ENSSSCG00000027995		Indolethylamine N-methyltransferase [Sus scrofa]	0.0002	2.53 up
ENSSSCG00000028274	FAM131B	Family with sequence similarity 131, member B [Sus scrofa]	0.0039	2.17 up
ENSSSCG00000028299	ACAA	3-ketoacyl-CoA thiolase, peroxisomal-like [Sus scrofa]	0.0067	Inf up
ENSSSCG00000028664	NPG1	Protegrin 1 [Sus scrofa]	8.44E-06	3.64 up
ENSSSCG00000028998		La ribonucleoprotein domain family, member 7-like [Sus scrofa]	0.0003	3.48 down
ENSSSCG00000029075		Long-chain-fatty-acid--CoA ligase 5-like [Sus scrofa]	8.64E-05	Inf down

ENSSSCG00000029889	CST3	Cystatin C [Sus scrofa]	0.0011	1.66 up
ENSSSCG00000029901	UBE2O	Ubiquitin-conjugating enzyme E2O [Sus scrofa]	5.98E-05	2.33 up
