Transcript ID <sup>a</sup>	Gene Symbol	Gene Description <sup>b</sup>	GenBank <sup>c</sup>	P-value <sup>d</sup>
15263546	ALKBH7	AlkB, alkylation repair homolog 7	XM_003123112	0.002
15184804	AMD1	Adenosylmethionine decarboxylase 1	XM_003121345	0.001
15314841	ATP6V1G2	Atpase, H+ transporting, lysosomal 13 kda, V1 subunit G2	NM_001145380	0.003
15314665	C7H6orf136	Chromosome 6 open reading frame 136	NM_001243459	0.009
15229626	CCDC25	Coiled-coil domain containing 25	NM_001243572	0.006
15184906	CD164	CD164 molecule	XM_001924626	0.005
15296214	CFAP20	Cilia and flagella associated protein 20	NM_001244786	0.002
15255767	CFD	Complement factor D (adipsin)	XM_003122985	0.003
15332101	CHIT1	Chitinase 1 (chitotriosidase)	XM_003130296	0.010
15329843	CHORDC1	Cysteine and histidine-rich domain (CHORD) containing 1	NM_001113446	0.001
15259346	CHSY3	Chondroitin sulfate synthase 3	XM_003123906	0.002
15220865	CIDEC	Cell death-inducing DFFA-like effector c	NM_001112689	0.006
15286963	CLCA2	Chloride channel accessory 2	XM_003125930	0.010
15202461	CNTFR	Ciliary neurotrophic factor receptor	XM_003130672	0.008
15209728	CNTROB	Centrobin, centrosomal BRCA2 interacting protein	XM_003358269	0.006
15319886	CPEB2	Cytoplasmic polyadenylation element binding protein 2	NM_001185049	0.001
15248533	CST9L	Cystatin-9 like	XM_003134304	0.008
15215166	CXCR6	Chemokine (C-X-C motif) receptor 6	NM_001001623	0.001
15255294	DBX1	Developing brain homeobox 1	XM_003122916	0.004
15202526	DNAJA1	Dnaj (Hsp40) homolog, subfamily A, member 1	NM_001244163	0.000
15267072	DND1	DND microrna-mediated repression inhibitor 1	XM_003124043	0.004
15246704	EIF2	Eukaryotic translation initiation factor 2	XM_005672861	0.002
15249075	EIF2	Eukaryotic translation initiation factor 2	XM_005672861	0.002
15276460	ERLEC1	Endoplasmic reticulum lectin 1	XM_003125147	0.009
15288283	ESYT1	Extended synaptotagmin-like protein 1	XM_003126262	0.006
15297540	FUT1	Fucosyltransferase 1	NM_214068	0.004
15194689	GABPB1	GA binding protein transcription factor, beta subunit 1	XM_005659610	0.005
15288427	GPR182	G protein-coupled receptor 182	XM_003126290	0.001
15216623	H1FOO	Oocyte-specific H1 histone	NM_001205063	0.007
15251282	HOXA11B	Homeobox A11	AF453292	0.001
15251306	HOXA4	Homeobox A4	XM_003134841	0.003
15313557	HSP90AA1	Heat shock protein 90kda alpha (cytosolic), class A member 1	NM_213973	0.009
15310151	HSP90AB1	Heat shock protein 90kda alpha (cytosolic), class B member 1	NM_001244433	0.005

Supplemental Table S1 A list of genes or gene transcripts that were differentially expressed among pigs fed three different diets

15204824	HSPH1	Heat shock 105kda/110kda protein 1	NM_001097504	0.008
15276892	LCLAT1	Lysocardiolipin acyltransferase 1	NM_001142845	0.003
15302843	LGALS13	Lectin, galactoside-binding, soluble, 13	NM_001142841	0.005
15253268	LOC100625033	Uncharacterized	XM_003360198	0.009
15185014	ME1	Malic enzyme 1, NADP <sup>+</sup> -dependent, cytosolic	XM_001924333	0.005
15245225	MFAP3	Microfibrillar-associated protein 3	XM_003134126	0.003
15263058	MIR3187	Microrna 3187	NR_036154	0.006
15337580	MORF4L2	Mortality factor 4 like 2	XM_003135267	0.010
15292502	MYL6	Myosin, light chain 6	NM_001163997	0.007
15194051	MYO5B	Myosin VB	XM_003121434	0.001
15198805	PDCL	Phosducin-like	XM_001927696	0.003
15286002	PHGDH	Phosphoglycerate dehydrogenase	NM_001123162	0.000
15268536	PSPH	Phosphoserine phosphatase	NM_001243221	0.006
15260400	RASSF7	Ras association domain family member 7	XM_003122393	0.004
15235102	RND3	Rho family gtpase 3	NM_214296	0.007
15228053	SCD	Stearoyl-coa desaturase (delta-9-desaturase)	NM_213781	0.007
15221605	SERP1	Stress-associated endoplasmic reticulum protein 1	NM_001243260	0.003
15270271	SLC9A2	Solute carrier family 9, subfamily A (NHE2, cation proton antiporter 2), member 2	NM_001100189	0.005
15259768	TMCO6	Transmembrane and coiled-coil domains 6	XM_003124040	0.004
15194165	TXNL1	Thioredoxin-like 1	NM_001244276	0.007
15218159	UBE2B	Ubiquitin-conjugating enzyme E2B	NM_001257356	0.010
15321630	UBE2D3	Ubiquitin-conjugating enzyme E2D 3	NM_001078673	0.006
15227915	UBTD1	Ubiquitin domain containing 1	XM_003359315	0.007
15284156	XKR4	XK, Kell blood group complex subunit-related family, member 4	XM_003355057	0.006
15221539	ZIC1	Zic family member 1	XM_003358599	0.005
15225194	ZMAT5	Zinc finger, matrin-type 5	XM_001929010	0.004
15302378	ZNF181	Zinc finger protein 181	NM_001244818	0.001
15344815				0.000
15345937				0.000
15349723				0.000
15347387				0.001
15182061				0.001
15258761				0.001
15233088				0.001
15240879				0.002
15332195				0.002

15076172		0.002
152/01/5	 	0.002
15180499	 	0.002
15232252	 	0.002
15195023	 	0.002
15272119	 	0.002
15342067	 	0.002
15346419	 	0.003
15351163	 	0.003
15209896	 	0.003
15181739	 	0.003
15344923	 	0.003
15290393	 	0.003
15341709	 	0.003
15181633	 	0.004
15342887	 	0.004
15279019	 	0.004
15182949	 	0.004
15347493	 	0.004
15181475	 	0.005
15182773	 	0.005
15345617	 	0.005
15256666	 	0.005
15347037	 	0.005
15339967	 	0.005
15340953	 	0.006
15182761	 	0.006
15350707	 	0.006
15350863	 	0.006
15184164	 	0.006
15282393	 	0.006
15286988	 	0.006
15273431	 	0.000
15280254	 	0.000
15230810		0.007
15351703		0.007
15551475	 	0.007
13314/18	 	0.007

15341149		 0.007
15286729		 0.007
15326843		 0.007
15332776		 0.007
15349625		 0.008
15349601		 0.008
15182561		 0.008
15249513		 0.008
15347693		 0.008
15221666		 0.008
15182789		 0.008
15344477		 0.008
15244806		 0.008
15349439		 0.008
15346091		 0.009
15340753		 0.009
15182951		 0.009
15339581		 0.009
15281243		 0.009
15245843		 0.009
15339337		 0.009
15271887		 0.010
15279096		 0.010
15182455		 0.010
15342033		 0.010
15253611		 0.010

<sup>a</sup> The gene transcript ID were retrived from the NetAffx calssification system (Affymetrix, Inc.).

<sup>b</sup> The "---" signs indicate that no annotation had been made to the corresponding DNA or RNA sequences of porcine origin.

<sup>c</sup> The accession number for the gene sequences resided in the GenBank database (http://www.ncbi.nlm.nih.gov).

<sup>d</sup> *P*-value was obtained from the ANOVA test using the Partek Genomics Suite (PGS) software.