

A			Fst16-Fed		Fst48-Fed	
Gene symbol	Gene name	Metabolism	ratio	pvalue	ratio	pvalue
SCD	Stearoyl-CoA desaturase (delta-9-desaturase)	Fatty acid synthesis	-1.17	**	NS	NS
ACLY	ATP citrate lyase	Fatty acid synthesis	-0.99	***	-0.57	**
FASN	Fatty acid synthase	Fatty acid synthesis	-0.95	***	NS	NS
ME1	Malic enzyme 1,NADP(+) dependent, cytosolic	Fatty acid synthesis	-0.94	***	-0.60	**
PECI	Peroxisomal 3.2-trans-enoyl-CoA isomerase	Perox. β -oxydation	1.84	***	0.88	***
ACAA1	Acetyl-Coenzyme A acyltransferase 1	Perox. β -oxydation	1.21	***	0.93	***
ACOX1	Acyl-Coenzyme A oxidase 1, palmitoyl	Perox. β -oxydation	1.49	***	0.62	***
EHHADH	Peroxisomal bifunctional enzyme	Perox. β -oxydation	NS	NS	NS	NS
CPT1A	Carnitine palmitoyltransferase 1A (liver)	Mito. β -oxydation	2.11	***	0.59	***
HADHA	3-ketoacyl-CoA thiolase, alpha subunit	Mito. β -oxydation	1.33	***	0.38	**
ACAA2	Acetyl-CoA acyltransferase 2	Mito. β -oxydation	0.44	*	NS	NS
ACADL	Acyl-CoA dehydrogenase, long chain	Mito. β -oxydation	0.40	*	0.49	***
CRAT	Carnitine acetyltransferase	Mito. β -oxydation	0.37	**	0.46	**
CPT2	Carnitine palmitoyltransferase II	Mito. β -oxydation	0.26	*	NS	NS
PCK1	Phosphoenolpyruvate carboxykinase, cytosolic	Gluconeogenesis	1.48	***	NS	NS
FBP1	Fructose-1,6-bisphosphatase 1	Gluconeogenesis	0.95	***	0.58	***
FBP2	Fructose-1,6-bisphosphatase 2	Gluconeogenesis	0.74	***	0.53	***
HMGCL	3-hydroxy-3-methylglutarate-CoA lyase	Ketogenesis	2.32	***	0.61	**
ACAT1	Acetyl-CoA acetyltransferase 1	Ketogenesis	0.69	***	0.37	**
HMGCS2	HMG-Coenzyme A synthase 2 (mitochondrial)	Ketogenesis	NS	NS	NS	NS
HMGCS1	HMG-Coenzyme A synthase 1 (soluble)	Cholesterol synthesis	1.63	***	NS	NS
HMGCR	HMG-Coenzyme A reductase	Cholesterol synthesis	NS	NS	NS	NS
LSS	Lanosterol synthase	Cholesterol synthesis	-0.69	***	-0.76	***
CYP51A1	Lanosterol 14-alpha demethylase	Cholesterol synthesis	-0.80	**	NS	NS

