Supplementary information

Refeeding with different levels of dietary carbohydrate modulates epigenetic stability through global DNA (de)methylation and histone modifications in juvenile and adult Nile tilapia (*Oreochromis niloticus*)

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Table S1. Nucleotide sequences of genes related to epigenetic modulators

Genes	Information	
dnmt1	**ENSEMBL NO.**	ENSONIG00000001574
	NCBI NO.	XM_025906327.1
	Position of CDS in NCBI	139-4671
	Primer F (5'-3')	CTCACACTGCGCTGTCTTGT
	Primer R (5'-3')	ACAACGCTGAGAGAGCAAGC
	Liver tissue sequences	GTGTACCTTTGGTGTCTTGCAGGCCGGTCAGTACGGTGTTGCGCAGACCC GGCGCAGGGCCATCATCCTGGCTGCTGCTCCTGGAGAGAAGCTGCCACGC TATCCTGAGCCTCTGCATGTGTTTGCCCCCAGAGCTTGCTCTCTCAGCGT TGT
	Muscle tissue sequences	CTTTGGTGTCTTGCAGGCCGGTCAGTACGGTGTTGCGCAGACCCGGCGCA GGGCCATCATCCTGGCTGCTGCTCCTGGAGAGAAGCTGCCACGCTATCCT GAGCCTCTGCATGTGTTTGCCCCCAGAGCTTGCTCTCTCAGCGTTGT
dnmt3aa	**ENSEMBL NO.**	ENSONIG00000005542
	NCBI NO.	XM_005475084.4
	Position of CDS in NCBI	357-2885
	Primer F (5'-3')	CCAACAACCACGAGCAGGAA
	Primer R (5'-3')	TGCCGACAGTGATGGAGTCT
	Liver tissue sequences	GTTGTATCCTCCAGTTGCAGCAGAGAAGAGGCAACCAATCAGAGTCCTCT CTTTATTCGACGGCATTGCCACAGGTCTTCTGGTGCTGAAAGATTTGGGC ATCCAGGTCGAAAAGTATGTTGCATCAGAAGTGTGTGAAGACTCCATCAC TGTCGGCA
	Muscle tissue sequences	GTTGTATCCTCCAGTTGCAGCAGAGAAGAGGCAACCAATCAGAGTCCTCT CTTTATTCGACGGCATTGCCACAGGTCTTCTGGTGCTGAAAGATTTGGGC ATCCAGGTCGAAAAGTATGTTGCATCAGAAGTGTGTGAAGACTCCATCAC TGTCGGCA
dnmt3ab	**ENSEMBL NO.**	ENSONIG00000001050
	NCBI NO.	XM_005477258.3
	Position of CDS in NCBI	280-3228
	Primer F (5'-3')	GCCGCAGCTTAGAGGACATC
	Primer R (5'-3')	CACACATGAGCACCTCTCGTC
	Liver tissue sequences	CCTGTGGAAGTCTGAATGTTAGCCTTGAGCACCCTCTTTTTGCTGGAGGA ATGTGTCAGAGTTGCAAGAACTGCTTCCTAGAATGTGCTTATCAATACGA CGACGATGGCTACCAGTCATACTGC
	Muscle tissue sequences	GAAGTCTGAATGTTAGCCTTGAGCACCCTCTTTTTGCTGGAGGAATGTGT CAGAGTTGCAAGAACTGCTTCCTAGAATGTGCTTATCAATACGACGACGA TGGCTACCAGTCATACTGC
dnmt3ba	**ENSEMBL NO.**	ENSONIG00000016781
	NCBI NO.	XM_025901732.1
	Position of CDS in NCBI	184-4581
	Primer F (5'-3')	GCTGCTGCAGATGCTACTGT
	Primer R (5'-3')	TTGCGCTGTTGTTGGCAAAG
	Liver tissue sequences	GTGTGAACATCCTGGTGGGCCCAGAAACCTTTGATAAGCTGAAAGATGTCG ATCCGTGGAGCTGCTACATGTGCAAGCCATCACAGTGTGAAGGAAACCTCA AACTCAGGGCAGACTGGAGTGTGAAGGTCCAAGACTTCTTTGCCAACAACA GCGCAA
	Muscle tissue sequences	TGAACATCCTGGTGGGCCCAGAAACCTTTGATAAGCTGAAAGATGTCGATC CGTGGAGCTGCTACATGTGCAAGCCATCACAGTGTGAAGGAAACCTCAAAC TCAGGGCAGACTGGAGTGTGAAGGTCCAAGACTTCTTTGCCAACAACAGCG CAA
dnmt3bb	**ENSEMBL NO.**	ENSONIG00000014841
	NCBI NO.	XM_025901790.1

	Position of CDS in NCBI	378-2843
	Primer F (5'-3')	TGCAGGAGTTCTTCGCCAAC
	Primer R (5'-3')	TGCCACATACTGACCCACCT
	Liver tissue sequences	GAGTTTGAGAAACCAAAGATTTACCCAGCAGTCCCTGCAGAGCAGAGACGACCAATCAGAGTCCTGTCCCTGTTTGACGGCATTGCCACAGGCTACCTGGTCCTGAGAGATCTGGGTTTTAAGGTGGGTCAGTATGTGGCA
	Muscle tissue sequences	GTTTGAGAAACCAAAGATTTACCCAGCAGTCCCTGCAGAGCAGAGACGACCAATCAGAGTCCTGTCCCTGTTTGACGGCATTGCCACAGGCTACCTGGTCCTGAGAGATCTGGGTTTTAAGGTGGGTCAGTATGTGGCA
tet1	**ENSEMBL NO.**	ENSONIG00000033407
	NCBI NO.	XM_025897345.1
	Position of CDS in NCBI	300-6794
	Primer F (5'-3')	CATCCAGTCCCAGCACAACC
	Primer R (5'-3')	CTCTATTTGGCGTGCGCTGA
	Liver tissue sequences	ACAATCCTCTGAAAGGAGCGCCTGTGTCAGCTATCAAATACAACTACAAATCCCAGCAGCCCCCCAGTCAGAAAACACCTGTCAGGAAGAAAACGAAAGCTACGCCTTCCAAGCCCAGAAAGAAGAAAACTGATGGAATAAATCAGCGCACGCCAAATAGAGA
	Muscle tissue sequences	AAAGGAGCGCCTGTGTCAGCTATCAAATACAACTACAAATCCCAGCAGCCCCCCAGTCAGAAAACACCTGTCAGGAAGAAAACGAAAGCTACGCCTTCCAAGCCCAGAAAGAAGAAAACTGATGGAATAAATCAGCGCACGCCAAATAGAGA
tet2	**ENSEMBL NO.**	ENSONIG00000028706
	NCBI NO.	XM_005457001.3
	Position of CDS in NCBI	545-5947
	Primer F (5'-3')	GCAGCTGCCAACAAGAATGC
	Primer R (5'-3')	TGTTGCTGCTGCTGATGGAC
	Liver tissue sequences	TGGAAAGCTCCAATGATAAAGGAGAGAAGGCCAAATCAAAAGCTGGCACTTTTGAGAATTCTACTCAGAGCAATCCAATGGCAGGACTTAATCCAGGTGCTGTAGGAGCAACCCGTCAGTCATGTCAGCCACAACACCCCCTAGGGGTCCATCAGCAGCAGCAACA
	Muscle tissue sequences	CTCCAATGATAAAGGAGAGAAGGCCAAATCAAAAGCTGGCACTTTTGAGAATTCTACTCAGAGCAATCCAATGGCAGGACTTAATCCAGGTGCTGTAGGAGCAACCCGTCAGTCATGTCAGCCACAACACCCCCTAGGGGTCCATCAGCAGCAGCAACA
tet3	**ENSEMBL NO.**	ENSONIG00000015843
	NCBI NO.	XM_019365521.2
	Position of CDS in NCBI	3585-9461
	Primer F (5'-3')	GCAAGCCAACCAACCAAACC
	Primer R (5'-3')	GATGTGTTGGCTCCGACCTG
	Liver tissue sequences	ACCCAGGCCCCAGTTTATAGCCAATCCCGTCCTTCCTCTGCCTCCTCTGAGTCCTCCAACAGAGGCACGCCGGTCATCAAACAGGAGCCTATGGATGTGCCAGTCTATGAAGGCACGCTGCCGAACCAGGTCGGAGCCAACACATC
	Muscle tissue sequences	GGCCCCAGTTTATAGCCAATCCCGTCCTTCCTCTGCCTCCTCTGAGTCCTCCAACAGAGGCACGCCGGTCATCAAACAGGAGCCTATGGATGTGCCAGTCTATGAAGGCACGCTGCCGAACCAGGTCGGAGCCAACACATC
setd1a	**ENSEMBL NO.**	ENSONIG00000009854
	NCBI NO.	XM_005468973.4
	Position of CDS in NCBI	62-6679
	Primer F (5'-3')	GGAACTCCGGTCTGGATGGT
	Primer R (5'-3')	CGAAGCTGCCCATCTGTGTT
	Liver tissue sequences	TTGTTTTTGAAGAAGACTTATGAGAAGCTGCTGCAGGATGACCATAGCTCTGACTGGCTCAATGACACTCATTGGGTCAACCATACTATAACCAATTTGCCAAATCCTCGCCGCAAAAAGAAGAACACAGATGGGCAGCTTCG

	Muscle tissue sequences	TTGTTTTTGAAGAAGACTTATGAGAAGCTGCTGCAGGATGACCATAGCTCTGACTGGCTCAATGACACTCATTGGGTCAACCATACTATAACCAATTTGCCAAATCCTCGCCGCAAAAAGAAGAACACAGATGGGCAGCTTCG
setd1ba	ENSEMBL NO.	ENSONIG00000013898
	NCBI NO.	XM_005470275.4
	Position of CDS in NCBI	890-6325
	Primer F (5'-3')	AAGACAGGGAGGCAGCAGAA
	Primer R (5'-3')	CCTCAGGACTGGGAGGTCTG
	Liver tissue sequences	GACTGCAAAGATGCTGCGACCTCCTCATCTTCTTCATCCTCTACATCTTCATCTTCTGAGGATGAGGAGGAGGGGGAAGAGGCAGAGGCTAAGCCTCCGAGCTCTCCTGCAGTACCAATCCCAGAGGTCAAGGAGGAGCACATACGCAGACCTCCCAGTCCTGAGG
	Muscle tissue sequences	GTTGACTGCAAAGATGCTGCGACCTCCTCATCTTCTTCATCCTCTACATCTTCATCTTCTGAGGATGAGGAGGAGGGGGAAGAGGCAGAGGCTAAGCCTCCGAGCTCTCCTGCAGTACCAATCCCAGAGGTCAAGGAGGAGCACATACGCAGACCTCCCAGTCCTGAGG
kmt2a	ENSEMBL NO.	ENSONIG00000006229
	NCBI NO.	XM_013274782.3
	Position of CDS in NCBI	50-13726
	Primer F (5'-3')	AGAGCAGGAAAGCCAACAGC
	Primer R (5'-3')	CACTGGGCGTAGTTGTGGTC
	Liver tissue sequences	AGTCCTTTTTCATCCGGCAAATGGACCGAACCTTTCCATGGTTCAAAGTGAAAGAGTCCAGATTCTGGGAAAGCCAAAAAGTCTCTGCCAACAGTGGGCTCCTCCCCAACGCTGTGCTGCCGCCGTCCCTAGACCACAACTACGCCCAGTG
	Muscle tissue sequences	AGTCCTTTTTCATCCGGCAAATGGACCGAACCTTTCCATGGTTCAAAGTGAAAGAGTCCAGATTCTGGGAAAGCCAAAAAGTCTCTGCCAACAGTGGGCTCCTCCCCAACGCTGTGCTGCCGCCGTCCCTAGACCACAACTACGCCCAGTG
kmt2ba	ENSEMBL NO.	ENSONIG00000019760
	NCBI NO.	XM_013275905.3
	Position of CDS in NCBI	95-9511
	Primer F (5'-3')	ACTCTGAGGGACCTGGAGGA
	Primer R (5'-3')	AGAGGAGGTGAAGCCGATCC
	Liver tissue sequences	GGCCTCGGAGGCTCTCGTCAAGAAGCCGTTGCAGCTCCTCGCCATCAGAGAGCGACCCGTCCGTACCGATGACACTCCGCTCTGGCGGCACGGTCCACTCCCGATGTGCCCTATTCAGCTCTCCTCCAAGGGCATCGAACTTCGGATCGGCTTCACCTCCTCT
	Muscle tissue sequences	CTCGGAGGCTCTCGTCAAGAAGCCGTTGCAGCTCCTCGCCATCAGAGAGCGACCCGTCCGTACCGATGACACTCCGCTCTGGCGGCACGGTCCACTCCCGATGTGCCCTATTCAGCTCTCCTCCAAGGGCATCGAACTTCGGATCGGCTTCACCTCCTCATA
kmt2bb	ENSEMBL NO.	ENSONIG00000002752
	NCBI NO.	XM_013277028.3
	Position of CDS in NCBI	76-11661
	Primer F (5'-3')	GCTCCCGTCAGTGTGTCTTC
	Primer R (5'-3')	TCTGGCTCCAACCCAGTCAA
	Liver tissue sequences	GGTCTACTGCTACAAACACCGACATCTCATCAGTGGCAGGATGATAACGGGTCAGGAATTTGAAGTAAACCGCAGAGTGTATGTTGATTTTGAGGGGATCAGTCTCCGCAGAAAGTTCTTGACTGGGTTGGAGCCAGA
	Muscle tissue sequences	ACTGCTACAAACACCGACATCTCATCAGTGGCAGGATGATAACGGGTCAGGAATTTGAAGTAAACCGCAGAGTGTATGTTGATTTTGAGGGGATCAGTCTCCGCAGAAAGTTCTTGACTGGGTTGGAGCCAGA
kdm5a	ENSEMBL NO.	ENSONIG00000009761

	NCBI NO.	XM_005451728.4
	Position of CDS in NCBI	1028-6253
	Primer F (5'-3')	TCTGGCCACAGAGGAGTTGT
	Primer R (5'-3')	GTGACGTGGCTCTGCTGAAA
	Liver tissue sequences	GGCGAAGCTGTCTGTGCTGAGCCAGCGTATGGTTGAGCAGGCTGCGAGGG AGAAAACGGAGAAGATCATCAACGCTGAGCTGCAGAAAGCCGCTGCCAAT CCTGACTTACAGGGTCATATCCAAACTTTCCAGCAGTCTGGTTTCAGCAG AGCCACGTCAC
	Muscle tissue sequences	CCCTGGCGAAGCTGTCTGTGCTGAGCCAGCGTATGGTTGAGCAGGCTGCG AGGGAGAAAACGGAGAAGATCATCAACGCTGAGCTGCAGAAAGCCGCTGC CAATCCTGACTTACAGGGTCATATCCAAACTTTCCAGCAGTCTGGTTTCA GCAGAGCCACGTCAC
kdm5ba	**ENSEMBL NO.**	ENSONIG00000019223
	NCBI NO.	XM_003441348.2
	Position of CDS in NCBI	541-5001
	Primer F (5'-3')	TCTCAGAGCAGAGGGCATCC
	Primer R (5'-3')	GACCGATGTCACACCTTGG
	Liver tissue sequences	ACTGGAGGCCCTTGTCAGTGATGTCCAGAGCTGGAAGGAGACGGCCACAA AGACATTCCTATTAAAAAACTCCCCTTTCTCACTTCTAGAGGTCCTCTGC CCAAGGTGTGACATCGGGTC
	Muscle tissue sequences	GACTGGAGGCCCTTGTCAGTGATGTCCAGAGCTGGAAGGAGACGGCCACA AAGACATTCCTATTAAAAAACTCCCCTTTCTCACTTCTAGAGGTCCTCTG CCCAAGGTGTGACATCGGGTC
kdm5bb	**ENSEMBL NO.**	ENSONIG00000016770
	NCBI NO.	XM_003439103.5
	Position of CDS in NCBI	249-4889
	Primer F (5'-3')	CATCCCTGCCTACCTCCCAA
	Primer R (5'-3')	AAGGCTCCAGGTGGACTTGA
	Liver tissue sequences	ACCATCAGAAAAGCCCGAGAGTGGCTGCAAGAAGCTGAGGAGCTTCAGGT CAGTGGCTGCATCCCGATGGTGGACACCCTCTCTGACATGGTGCTACGAG GACAAGCCATTCAAGTCCACCTGGAGCCTT
	Muscle tissue sequences	ACCATCAGAAAAGCCCGAGAGTGGCTGCAAGAAGCTGAGGAGCTTCAGGT CAGTGGCTGCATCCCGATGGTGGACACCCTCTCTGACATGGTGCTACGAG GACAAGCCATTCAAGTCCACCTGGAGCCTT
kdm5c	**ENSEMBL NO.**	ENSONIG00000016838
	NCBI NO.	XM_005448517.4
	Position of CDS in NCBI	551-5311
	Primer F (5'-3')	CTCTCCACCCTGGAGGCAAT
	Primer R (5'-3')	AGCTACCAGGCCCTCCAAAT
	Liver tissue sequences	CTTATCCCAGTCACGTTGCCCAACATTTTGGCTCTACAGGGGTGCCTTAC TCGAGCTCGGGCATGGGTAACAGACTTGGAGGAAATTCAGAATGGGGAGC ATTACCCATGTATGGATGATTTGGAGGGCCTGGTAGCTA
	Muscle tissue sequences	CAACTTATCCCAGTCACGTTGCCCAACATTTTGGCTCTACAGGGGTGCCT TACTCGAGCTCGGGCATGGGTAACAGACTTGGAGGAAATTCAGAATGGGG AGCATTACCCATGTATGGATGATTTGGAGGGCCTGGTAGCTA
riox1	**ENSEMBL NO.**	ENSONIG00000005898
	NCBI NO.	XM_005475002.4
	Position of CDS in NCBI	96-1727
	Primer F (5'-3')	CCACCTGGCACACAAGGATT
	Primer R (5'-3')	TCCGGCTTCTACCACCACAT
	Liver tissue sequences	TGATGACATTGAAGCCTTTGTGGTTCAGCTGGAGGGGAAGAAACGCTGGC GAGTGTACAGCCCAAGATCAGACGATGAGGTCTTGCCTGTGCTTTCGAGT CCAAACTTCGACCAGGCAGACATTGGTAAGCCGATCCTAGATGTGGTGGT AGAAGCCGGA

	Muscle tissue sequences	TTATGATGACATTGAAGCCTTTGTGGTTCAGCTGGAGGGGAAGAAACGCTGGCGAGTGTACAGCCCAAGATCAGACGATGAGGTCTTGCCTGTGCTTTCGAGTCCAAACTTCGACCAGGCAGACATTGGTAAGCCGATCCTAGATGTGGTGGTAGAAGCCGGA
suv39h1b	**ENSEMBL NO.**	ENSONIG00000011649
	NCBI NO.	XM_003459875.5
	Position of CDS in NCBI	87-1322
	Primer F (5'-3')	TCCAACGCATGGCCTACAAC
	Primer R (5'-3')	CTTGATGTGCTGCAGTGTGC
	Liver tissue sequences	GGTCCGGATTCGGCCTGGACAGCCAATATATGAGTGCAACTCCCGCTGCAGCTGTGGGCCTGACTGTCCCAACAGAGTTGTGCAGAATGGAATCCAGTTCGATCTGTGTATCTTTAAAACGGAGAATGGCCGGGGATGGGGAGTCCGCACACTGCAGCACATCAAG
	Muscle tissue sequences	GGATTCGGCCTGGACAGCCAATATATGAGTGCAACTCCCGCTGCAGCTGTGGGCCTGACTGTCCCAACAGAGTTGTGCAGAATGGAATCCAGTTCGATCTGTGTATCTTTAAAACGGAGAATGGCCGGGGATGGGGAGTCCGCACACTGCAGCACATCAAG
kdm4aa	**ENSEMBL NO.**	ENSONIG00000007297
	NCBI NO.	XM_005457300.3
	Position of CDS in NCBI	179-3472
	Primer F (5'-3')	CGGATGCGAACCAAACCTCT
	Primer R (5'-3')	GGCTGGATCGACACCGTAAC
	Liver tissue sequences	GTGTTTCACCACCACCACAGAGGACGACGCTGAGTGTGAAGAGCAACCGGTCCCTCCTCGTCTGGAAGAAGATGGAACCAGTCTCCTCATCAGCTGCTCACAGTGCAGCGTGAGAGTTCATGCATCCTGTTACGGTGTCGATCCAGCC
	Muscle tissue sequences	TGTGTTTCACCACCACCACAGAGGACGACGCTGAGTGTGAAGAGCAACCGGTCCCTCCTCGTCTGGAAGAAGATGGAACCAGTCTCCTCATCAGCTGCTCACAGTGCAGCGTGAGAGTTCATGCATCCTGTTACGGTGTCGATCCAGCC
kdm4ab	**ENSEMBL NO.**	ENSONIG00000010525
	NCBI NO.	XM_005476068.4
	Position of CDS in NCBI	208-3738
	Primer F (5'-3')	TCTGTTCAGGGAGGCACACA
	Primer R (5'-3')	GCCTGTTGGCCCATCTGTTT
	Liver tissue sequences	ATTTATACGTAGATGTGCAGGTCATCCAAGAGGAGAAAGAGGAGTGGGCAAAGCCGCTAACCCAGTTATGGCAGTGTCTGCCATTTAACCCTGATGCAGAGAGGGAATATAACAAACAGATGGGCCAACAGGC
	Muscle tissue sequences	TCCAAGAGGAGAAAGAGGAGTGGGCAAAGCCGCTAACCCAGTTATGGCAGTGTCTGCCATTTAACCCTGATGCAGAGAGGGAATATAACAAACAGATGGGCCAACAGGC
kdm4b	**ENSEMBL NO.**	ENSONIG00000012580
	NCBI NO.	XM_005453970.4
	Position of CDS in NCBI	184-3897
	Primer F (5'-3')	TGCTCGCTCTTCTGTCCGTA
	Primer R (5'-3')	AGCAGATCAGGAGGCTGGTT
	Liver tissue sequences	TCCGCTGATAACGAAACCATGGGCGCTTCATTTCCCCGTCATGGCAGCTTGACACGTCCACTGGTCCCAGAGATGTGCTTCAGCGTGGGAGCAGGAAACACGGAGCCACCGCCCACCAACTATCACATTGGGGAGGATGGAACCAGCCTCCTGATCTGCT
	Muscle tissue sequences	GTCTCCGCTGATAACGAAACCATGGGCGCTTCATTTCCCCGTCATGGCAGCTTGACACGTCCACTGGTCCCAGAGATGTGCTTCAGCGTGGGAGCAGGAAACACGGAGCCACCGCCCACCAACTATCACATTGGGGAGGATGGAACCAGCCTCCTGATCTGCT
kdm4c	**ENSEMBL NO.**	ENSONIG00000008824
	NCBI NO.	XM_005456806.2

	Position of CDS in NCBI	231-5135
	Primer F (5'-3')	CCTGCAGAGGAATGCAGTGG
	Primer R (5'-3')	GCACAGGTGCAATCTGGTGA
	Liver tissue sequences	GGAGCCTGCAGATAAGGTTGGAATTTGCCCTTTGCCACCTGTACTGACCCAAGAGATGCCCTCGCTAACGCCTGCTGATGATGGCCTGACTGATTTTTCAAAATCTCGATCGTGTAGTCACCAGATTGCACCTGTGC
	Muscle tissue sequences	CTCCGGAGCCTGCAGATAAGGTTGGAATTTGCCCTTTGCCACCTGTACTGACCCAAGAGATGCCCTCGCTAACGCCTGCTGATGATGGCCTGACTGATTTTTCAAAATCTCGATCGTGTAGTCACCAGATTGCACCTGTGC
setd2	ENSEMBL NO.	ENSONIG00000003077
	NCBI NO.	XM_019364854.2
	Position of CDS in NCBI	351-8159
	Primer F (5'-3')	AGGCAGCGATGACTTCAAGC
	Primer R (5'-3')	ATCTTGTGGCGTCCCACTCT
	Liver tissue sequences	AAGAGGTGAAGGAAAAACCTGATTTGGTTGTGGAAGAGAAGGACTCGGATATGAAAGAAGTCAAAAGTGAAGATCAGGCAGATGAGCTGGAACCACCAAAAGAGCCAGTTGAAACACAAGAGAGTGGGACGCCACAAGAT
	Muscle tissue sequences	ACCTCCAACTGAAGAGGTGAAGGAAAAACCTGATTTGGTTGTGGAAGAGAAGGACTCGGATATGAAAGAAGTCAAAAGTGAAGATCAGGCAGATGAGCTGGAACCACCAAAAGAGCCAGTTGAAACACAAGAGAGTGGGACGCCACAAGAT
kat2a	ENSEMBL NO.	ENSONIG00000001102
	NCBI NO.	XM_025906390.1
	Position of CDS in NCBI	163-2559
	Primer F (5'-3')	CACTGACCCTGCTGCTATGC
	Primer R (5'-3')	GTAGGCCAACCAGCCACATC
	Liver tissue sequences	AATCTGCTGACACCAAATGCTGCCCGTGATGAGACTGCAAGGCTGGAGGAGAGACGTGGTATCATAGAGTTTCATGTCATTGGAAACTCACTTTCCCAGAAATCAAACAAGAAGATCCTGATGTGGCTGGTTGGCCTAC
	Muscle tissue sequences	GACTAATCTGCTGACACCAAATGCTGCCCGTGATGAGACTGCAAGGCTGGAGGAGAGACGTGGTATCATAGAGTTTCATGTCATTGGAAACTCACTTTCCCAGAAATCAAACAAGAAGATCCTGATGTGGCTGGTTGGCCTAC
kat2b	ENSEMBL NO.	ENSONIG00000002420
	NCBI NO.	XM_003444058.3
	Position of CDS in NCBI	493-2871
	Primer F (5'-3')	GGCCTTTCATGGAGCCTGTG
	Primer R (5'-3')	CTCGCTCTCTGGAGGGTTGT
	Liver tissue sequences	CCTGGGTACTACCAAGTCATACGCTTCCCCATGGACCTCAAGACAATGAGTGAGCGTCTAAAGAGCCGGTACTACACGACACGGAAGCTTTTTATGGCCGACATGCAGCGAATTTTCACAAACTGTCGTGAATACAACCCTCCAGAGAGCGAG
	Muscle tissue sequences	ACCTGGGTACTACCAAGTCATACGCTTCCCCATGGACCTCAAGACAATGAGTGAGCGTCTAAAGAGCCGGTACTACACGACACGGAAGCTTTTTATGGCCGACATGCAGCGAATTTTCACAAACTGTCGTGAATACAACCCTCCAGAGAGCGAG
kat6a	ENSEMBL NO.	ENSONIG00000015837
	NCBI NO.	XM_005472980.3
	Position of CDS in NCBI	865-7641
	Primer F (5'-3')	CATCCCGTCCACTGCTTTCC
	Primer R (5'-3')	CCTGTTCACGCTACCACCAC
	Liver tissue sequences	TTCTTCCACCTCAGGGCCCCGGGCCCCGCAGTCCCGGCCTCAGGACACGGATATGGGTGACAGAGAGGAAGACGATGATGATGAGGAAAGGGAGGAAGAGGAGTGTGGCAGCATGGGCAGTGGTGGTGGTAGCGTGAACAGG

	Muscle tissue sequences	CCTCAGGGCCCCGGGCCCCGCAGTCCCGGCCTCAGGACACGGATATGGGTGACAGAGAGGAAGACGATGATGATGAGGAAAGGGAGGAAGAGGAGTGTGGCAGCATGGGCAGTGGTGGTGGTAGCGTGAACAGG
gtf3c4	**ENSEMBL NO.**	ENSONIG00000013016
	NCBI NO.	XM_003440231.5
	Position of CDS in NCBI	43-2358
	Primer F (5'-3')	CTTGTGGCGGTTCAAGCTCT
	Primer R (5'-3')	GGCTCGCCTTCCTCTTTCAC
	Liver tissue sequences	CTTCACCAGTCACTGCAGTCACCTAACACAGAAAACAACTGGAAACCTGCAAAAGAGGGAAGCAAGGTGTTCATAAGAGATGAGGAAGAGGAGGAGGATGGAGAAGACAAAGAAGATGCTGTGAAAGAGGAAGGCGAGCC
	Muscle tissue sequences	CTTCACCAGTCACTGCAGTCACCTAACACAGAAAACAACTGGAAACCTGCAAAAGAGGGAAGCAAGGTGTTCATAAGAGATGAGGAAGAGGAGGAGGATGGAGAAGACAAAGAAGATGCTGTGAAAGAGGAAGGCGAGCC
sirt2	**ENSEMBL NO.**	ENSONIG00000016619
	NCBI NO.	XM_003449264.5
	Position of CDS in NCBI	153-1301
	Primer F (5'-3')	GCGAGTCTAGTCAGCAGGGT
	Primer R (5'-3')	CCCAGAAGATCAGCTAGAGCCA
	Liver tissue sequences	CCCCAGACTGCTCATTAACATGGAGAAAGCAGGGCAGGTTAATCCCATGATGGGTTTGTTTGGTTTCGGAGAAGGGATGGACTTTGACTCAGACAAGGCTTACAGAGATGTCGCTCACATTAGTACATGTGATGATGGATGTTTGGCTCTAGCTGATCTTCTGGG
	Muscle tissue sequences	CCCAGACTGCTCATTAACATGGAGAAAGCAGGGCAGGTTAATCCCATGATGGGTTTGTTTGGTTTCGGAGAAGGGATGGACTTTGACTCAGACAAGGCTTACAGAGATGTCGCTCACATTAGTACATGTGATGATGGATGTTTGGCTCTAGCTGATCTTCTGGG
sirt5	**ENSEMBL NO.**	ENSONIG00000006380
	NCBI NO.	XM_003457306.5
	Position of CDS in NCBI	154-1059
	Primer F (5'-3')	ATTTGCCCAGGTGTGAGCAG
	Primer R (5'-3')	GAGCAAACATGGCTGCAGGA
	Liver tissue sequences	TCTCCTTAGACCAGCTGTGGTTTGGTTTGGAGAGACTCTGGATGCTGACATCCTCACCCGTGCAGAGAAAGTGTTGGACAGCTGTGACCTCTGCCTCGTGGTCGGTACTTCATCCGTCGTGTATCCTGCAGCCATGTTTGCTC
	Muscle tissue sequences	GGTCTCCTTAGACCAGCTGTGGTTTGGTTTGGAGAGACTCTGGATGCTGACATCCTCACCCGTGCAGAGAAAGTGTTGGACAGCTGTGACCTCTGCCTCGTGGTCGGTACTTCATCCGTCGTGTATCCTGCAGCCATGTTTGCTC