SUPPLEMENT Table 1: Primers used in qRT-PCR analyses

Target	Accession #	Primer_Forward (Fw)	Primer_Reverse (Rv)
Oct 3/4	NM_013633	GTTTCTCCACCCAGGAACTAGGCT	ATAAGACCTGCACCCAGGCTCCA
"DNA segment, Chr 19, Wayne State University 57	NM_138595	CTGTGCCACAGACACAACAAGA	ACCCCCCTATATTTGGCTCG
"DNA segment, Chr X, Celltech Chiroscience 3"	BC027376	TCACCTGCCCACTTGAGGTT	GCCTTCGGGTGTTTCGAA
"Elovl1: elongation of very long chain fatty acids	NM_019422	ACTGAGAAGCATGGCCTAGACAT	GCCCTGGTCACGGGTGTAG
"EST, similar to cNT1"	BC061230	GCAGCAGATGCCTTTACCCA	TCACCCCTGAGTGCCAGG
"EST, similar to DKFZP564G2022 protein"	NM_173734	TGCGTGGCTTCAGGTGTCT	CTGCAGCAAACACGGGTG
"EST,similar to MTF2_HUMAN/now it is Zfp110"	AA163083	CAGTTCACGAGGCAGGATGTC	TGCCTGTTTGCTCTCACTAGCT
"Eukaryotic translation initiation factor 2, subunit 2"	AK012338	CACTTGTCACACATGCCGGT	TGGCAACAGA GCATCGAGAA
1200008O12 gene	BC03139	AAGTCCCAGTGCTGCACTCA	ATTCGACATGGACAAGCAGGT
1200016D23 gene	BI408065	ATCGAGGCCTACGTGGAGC	GCCACAATGGAATTGCTGGT
2400008B06 gene	NM_028030	TTCGCTTTGATCCGGAGAAC	GGTGGGATTTGGTGTCGCTAT
2410146L05 gene	BC062245	TAACGTCCTGCCTGTGTCCC	CCACCCAGGCTTCCATGTAG
2610024N01 gene	BC008995	TGACCCTCAGCCGGAGAGT	GCGTACGTTCACTG TCCTTTGA
2610305D13 gene	Bm198522	ACAGGGCAATGAGGAAGGAGA	CACGTCAATGTGACAAATGATTTATT
3200002M19 gene	NM_027532	AGGAAACTGAGGCCCAGAGAG	GGTGGACATGGCTCCTAAGC
9430093H08 gene	NM_145462	TGGAAATGCATCGCCTCAT	TGGAAATGCATCGCCTCAT
Amd1	NM_009665	TTGGTTGTTCGCTAGTCTCACG	TTGCGTCGGACTGCTGTCT
ARM1	NM_019968	GAGTTCAAGCGGGTACCTCAGT	TCAGTCTTGGGCTCCTGCAT
Brachyury	NM_009309	AGGCTCCCCTGCACATTACA	AGCAGCCCCTTCATACATCG
BTK	NM_013482	GCCAACAGCAGCACCAATCT	CGCCCTTTCGCAATTGTAAG
CBP300	AK042627	CTCCAGTTGCCGCAGGAA	CTTGTGAGCATGTAAAAGGAGAACA
Cdca3	BC002006	CAACAAGCAAGTGGCTCGAG	CTGGTAGGCTTGGCTGTGGA
cDNA E130314M08 gene	NM_175554	GAAGCCTTGAAGCAACGTTTCT	GTGCCCAAGTCCTTCACGAT
Coxvib2	NM_183406	CCCTAACCAGAACCAGACGC	CGCAGGGTTGTGTGCTCTTT
D11Moh45	NM_176983	TGGTTGCCTTTTGCAGTTTG	TGAAAGACAGAAAGGACCGGA
D11Moh45 DNA segment	NM_176983	TGGTTGCCTTTTGCAGTTTG	TGAAAGACAGAAAGGACCGGA
DEAD/H box polypeptide 21 (RNA helicase II/Gu)	NM_019553	CATGTGTCCTACTCATCCTTCAAAGT	GATGCCAAGGAATGCAAACA
Dhrs10	BC064042	CTTGCCCCTGCTCCTAACCT	GCGAACAGCACATTCATCCA
DNA methyltransferase 3B	AF151969	TCAATCCTGCCCGCAAAG	ACGGTTGTCGCCCTCCTT
Epb4.9	NM_013514	GCTGGGATTGCTAATGTGAACTC	CCGCGTTTTCTCAGGAATCT
EST	AI427584	GACCCCAAGCCAAAATCTACTG	TGATTCTGTAATGAGCACACCACC
EST	NM_053252	GACCCCAAGCCAAAATCTACTG	TGATTCTGTAATGAGCACACCACC
Eukaryotic translation elongation factor 1 alpha 1	AW210535	ATTCATTTAGCCTTCTGAGCTTTCTG	AGACAGTTGCTGTGGGTGTCAT
FOXJ2	NM_021899	ACCAAGTGAACTCTTACGGGCA	GCGGTTGTATCCTGCTGAGTC

FOXM1	NM_008021	CCCAAAGCCCAAGAAGTCCT	ATCGGCTCACCTCCCTTTTC
Foxp4: forkhead box P4	BC052407	CAGGCCCCCCTTCACCTA	TAGGCGAACATCCTGGTGAAC
Fshprh1 FSH primary response 1	NM_145924	TGAGCAATGGCTTAGCTCCA	CATGCACTTCAATATCCGTGAGTT
Human H1F0	BC029046	CCTCGCGCCAGTCCATT	AGGCGCTTGATGGACAACTT
Human Mybl2	X13293	GCAGAGGGATAGCAAGTGCAA	TCCAGTCCTGCTGTCCAAACT
IGF1R	NM_010513	ATCCTGAAGGGCAATCTGATT	ACGTAGCCGGTCACCACCT
IGF2	BC058615	GGGAAGTCGATGTTGGTGCT	TCAACAAGCTCCCCTCCG
IGF2BP1	AV233540	CGAAGTTCCAGTGAGGAATCCT	ACAACCCAAGCTATGATTGCAA
IGF2R147	NM_010515	GGGAAGTCGATGTTGGTGCT	TCAACAAGCTCCCCTCCG
Incenp	NM_016692	CTGTTTTGATGTTGGGCTGGT	CCTCCCAACAGGTCTGGGA
INSL2	BC023874	GCACCCAAGGAAGGTCTTTG	AGTTCCTTCATGGAGCAGCCT
Kcnk6 [D7Ertd764e]	AK036882	CGTGTTGCAGACTTTCCGC	CATCCTCATCCTGGCTGAGG
KU80/X-ray repair complementing defective repair	NM_009533	CTCCGCAGCCCGTTCA	TTGTCGATTGGAAAAGGCAAA
LEFTY	MMAJ82	AAAGAGGCTGTCCCCACACA	TGGACACGAGCCTAGAATCGA
Lin-28	NM_145833	CTGCGGTGGGCTAGACCA	GACACGAGGCCACCATATGG
Magel-2	NM_013779	ACCTGGCCCCTCTTCTCTAGA	CACCAATGAACATGCGCTCT
MAZ	MUSPUR	GACATAAGCTGTCGCATTCGG	ATGTGAGCGCACGTGGTAAC
Mcm3	BC031706	TTGCGTGGTTGGCACTTGT	CGGCTCTCTCAGCACAGTGA
Mcm5	NM_008566	TCAAGCGGCATTACAACCTG	CGGCTGTTTATGCAAGTGGTC
MDK1	NM_010784	GGAGACCATCCGCGTGACTA	GGCTCTCTGGCCTCCTGACT
Mkrn1	BC003329	GTCACGAAACCCAAGCTTTCC	GGGCAGTACGGCCACAGTAG
mouse EST	AK028828	TGTCCGTCCTGAGGAAGGTG	CAAGATGGATTCCTGCTGAGC
Mtf2	NM_013827	TTTTCAGGTGATTGAGCTGC	GTATATGGGCCAGGAGGACG
Mus musculus cAMP responsive element binding protein 1 (Creb1)	NM_133828	AGTGCCAACCCCCATTTACC	CCTGTACCCCATCCGTACCA
Mus musculus cAMP responsive element binding protein 3-like 3	NM_145365	GGTCCAGTCAACCAGCAAGC	AGTTGAAAGGGCTGATGGAGG
Mus musculus myeloblastosis oncogene, mRNA	BC011513	AGGAGGTGGAGTCGCCAACT	AGGAGACGCCTGCGAGAAC
Mus musculus TATA-binding protein associated factor	AY038601	GGCTCCTTCCGGGATGAT	CAACTCAGAGTTTGTGGCCAATAT
MYBL2	NM_008652	GTGAGGCAGTTTGGACAGCAA	GGATTCAAAACCCTCAGCCA
myeloblastosis oncogene_like 2 (Mybl2)	NM_008652	TGCAGTTCCTGGGAACGTGC	TGCAGTTCCTGGGAACGTGC
Nanog	AK010332	TTTCAGAAATCCCTTCCCTCG	CGTTCCCAGAATTCGATGCT
Nanog	AK010332	TTCAGATAGGCTGATTTGGTTGG	ATCATAGAAAGAAGAGTTAAATGTCTAATGC
NEDD8	NM_008683	AccccAAccTgggAAgAAgA	R161ccTTgATTcgcTccAccTTg
Nvl nuclear VCP-like	BC031847	AGGCGGTTAGCCCTCTTTTC	TCCACCGGGAGTTTTGTCAA
Oct 3/4	NM_013633	cAATgccgTgAAgTTggAgA	gcTTcAgcAgcTTggcAAAc
Pea3 (Etv4)	NM_008815	GGCGAACGCTACGTGTACAA	CGGTCAAACTCAGCCTTCAGA
Reduced expression 3	NM_009052	GAACCCCACCATCTGGAAGA	TTTGGTATGGCCCAGAGAAAGT
Reduced expression 3	AF097438	ACTCCATTACTCCTGGGCCTATC	AGAGCGGAGCAGGTCTGAGA
SIRT1	NM_019812	ATGACAGAACGTCACACGCC	AGGATCGGTACCAATCATGA
SIRT6	NM_181586	TGCCTGCCTCAGCCTCTACT	GGACCTGGACAAGGGACACA
SIRT7	NM_153056	ACTGCCCTTCACCGACACC	TGCCCTAATGTCCCCCTCTC
SOP 9	AF071313	TCAACCAACAACCCGTCTGA	GACGACAGGCACTGCTTCAC
Sox2	NM_011443	AGATGCACAACTCGGAGATCAG	CTTCTCGGTCTCGGACAAAAGT
Sparc (osteonectin)	NM_009242	GGAACATTGCACCACACGTTT	TTGTTGATGTCCTGCTCCTTGA
STK38	NM_134115	GTGAGGTGCGGCTTGTTCA	GTCACGCTCCGCACGAAT

Tata- box binding protein	BC016476	TACCGTGAATCTTGGCTGTAAACTT	TTCTCATGATGACTGCAGCAAA
Tcof1	U81030	CCTTAGCTTCTTCTGCCCCG	CCTACCGGTTTTAGGGAGTGC
t-complex testis expressed 1	M25825	GGCCGAGTAGAGATGGAAGACTT	CCGATGGCGCTTTCTATAGC
Tdh L-threonine dehydrogenase	NM_021480	GTGGCGTTCTCAGCATCCA	TCTGTGCAGTCCCATTGACC
Tk1	NM_009387	GCATGGAGTGCTTCCGAGAA	GCGGCACACGGAGTGATACT
Tumor-associated calcium signal transducer 1	BC005618	CGTCTAAATGCTTGGCGATGA	GTCGTACAGCCCATCGTTGTT
Uhrf1	NM_010931	CACTCTCAGAGCAGCAGGCTAA	GATCTGGTACGGCCCATCCT
ZFP42	NM_009556	CAGCAGCTCCTGCACACAGA	GATCCGCAAACACCTGCTTT