

Supplemental Table 1: QPCR primer pairs

Gene	Sense (5' – 3')	Antisense (5' – 3')
Creb5	CCAAGTCCAGCCAATGCAT	GAGTCAGCGCAGCCTTCAGT
Aqp1	GGGCTGTGGTGGCTGAGTT	AAGCCTAGGGCAGAACCAATG
Fkbp9	TGGCTGTGAGCTCGGAACTT	ACCGTGCGCGGACACT
Abcg2	GCACCTCAACCTGCCATT	TCAGGGTGCCCATCACAAC
Snca	AGTGGAGGGAGCTGGGAATATAG	TCCTCACCCCTTGCCCATCT
Gng12	AGACTCATCAAAGATGTCCAGCAA	TCCTGGCTTGGGCTATGC
Il12rb2	GCCTGCCCTGTGATTCC	AGCCTTGCTTGGGATTCAAG
Vamp8	CAAGTGCTCCGAGACATGGA	AGGTTCTAACTCGGTCATTTCC
Retsat	TCCTCCATTGCCCTTGAC	CGGCAGAATGGAGAGAAACG
Alms1	GTGGAGCATCTGGGCAAGA	CTTGATATGATGACTGCTGCCATAC
Mgl1	CTGCAACACGTGGACACCAT	GAGTGGCCAGGAGGAAGA
Apobec1	TGTTTATTTACATAGCACGGCTTTATC	TGCTAATAAGGTCCCTGAGTCCTT
Fabp1 – Exon 1/2	CCAGGAGAACTTTGAGCCATTC	TGTCCTTCCCTTTCTGGATGA
Fabp1 – Exon 3/4	GGTGACAACTTTCAAAGGCATAAA	TGTCGCCCAATGTCATGGTA
Cnr1	CTTAGACGGCCTTGACAGATACC	GAATGTCATTTGAGCCCACGTA
Cnr2	GAGAACATGGCCGTGCTCTATAT	GAACAGGTACGAGGGCTTTCTG
Faah1	CAGCATCCGGTTCCTTCT	GCTGAGGCGGTTCCAGTA
Naa	CCTGGCTGACGGTATCTTGGT	GGCCACAATACTGGTGCAGAA
Napepld	GAGAGGCTGGCTTACGAGTCA	GAGCTCGTCCATTTCCACCAT
Trpv1	CCCTCTTGGTGGAGAATGGA	CCCTTTGGTTTTCTTGAAGAAGTC
PPAR alpha	TATTCGGCTGAAGCTGGTGTAC	CTGGCATTGTTCCGGTCT
Cpt1a	TGAGTGGCGTCCCTCTTTGG	CAGCGAGTAGCGCATAGTCATG
Acadm	TGACGGAGCAGCCAATGA	ATGGCCGCCACATCAGA
Acadl	GGCTGGTTAAGTGATCTCGTGAT	ATGGGCAGGCGATCGA
Ucp2	TCACTGTGCCCTTACCATGCT	AGGCATGAACCCCTTGTAGAAG
Gapdh	TGTGTCCGTCGTGGATCTGA	CCTGCTTACCACCTTCTTGA

Supplemental Table 2: Informative Chromosome 6 Markers (C57BL/6 vs 129/SvJ)

Marker	Approx. Location (cM)	Forward	Reverse
D6Mit268	15.6	AGTCAGAATATGGCAAGTCAGTG	TTTCAGAGTCTTTCTTTTCAGTATCTCC
D6Mit77	15.8	TGAGGTGCAAACAACACACA	GCTGCCCTTAAAGACAGCAC
D6Mit272	19.0	CTGACCTTAATGCTTGGAATCT	ACTGTAACCTTATGTAAACTGGTGTGTG
D6Mit33	25.5	ACACATGTGCGCATAACACACACA	TTTTATCTGGAAACCTATGGATT
D6Mit94	29.0	AAGAGATCAGACAATGAAAGGTTG	ACAAATTAACAACCTTACACCTTATGG
D6Mit123	29.5	GGAAGGAGCAGGTCCAATAC	CTCCAACCACCAAGACCTA
D6Mit188	32.5	CTTTAGTCATTATTAGGATTGCCTATG	TGGGATAGCATTGGAAACGT
D6Mit9	38.0	GTCTGTTTTGGCATATGGCA	TCTGGGTANCCAACCATGTT
D6Mit36	48.9	ACCATCTGCATGGACTCACA	GTTGAAGAGGACGACCAAGTG
D6Mit199	68	GCCCTTCCTACTCAAATAAATACC	GGGTAGTTCAAATTAACCTGGG
D6Mit373	77.7	TTCTGGGGTGAGAGGCAG	AGAACATTGACAAAAAGTGATTGTG

Approximate marker location is listed in Centimorgans. Primer sequences are 5'→3'.