Table S1. Primer sequences used for gene identification, synthesis of complete coding sequence and for shRNA gene silencing

Mouse gene	Gene ID	Primer Sequence	Product size (bp)
Primer sequences used for gene identification in the Quantitative-PCR method			
Chemerin	NM_027852	Fw TACAGGTGGCTCTGGAGGAGTTC Rv CTTCTCCCGTTTGGTTTGATTG	195 bp
CMKLR1	NM_008153	Fw CGAGTTCTCAAACCCTGAAGTCGC Rv CAAGTCCACAAAGTAGCCAAAGCC	222 bp
PPARγ	NM_011146	Fw TCGCTGATGCACTGCCTATG Rv GAGAGGTCCACAGAGCTGATT	102 bp
CD36	NM_007643	Fw GAACCACTGCTTTCAAAAACTGG Rv GTCCTGAGTTATATTTTCCTTGG	178 bp
Adiponectin	NM_009605	Fw AGCCGCTTATATGTATCGCTCA Rv TGCCGTCATAATGATTCTGTTGG	118 bp
ccna2	NM_009828.2	Fw ACATTCACACGTACCTTAGGGA Rv CATAGCAGCCGTGCCTACA	242 bp
ccnb2	NM_007630.2	Fw GCCAAGAGCCATGTGACTATC Rv CAGAGCTGGTACTTTGGTGTTC	114 bp
ccnd2	NM_009829.3	Fw TGTGGATTGTCTCAAAGCCTG Rv CAACATCCCGCACGTCTGTA	149 bp
CyclophilinA	X52803	Fw GAGCTGTTTGCAGACAAAGTTC Rv CCCTGGCACATGAATCCTGG	124 bp
Primer sequences used in the synthesis of cDNA for the generation of expression vector			
Chemerin	NM_027852	Fw AAAAGGATCCGACTGAGGTGAAGCCATGAAGTGC Rv AAAAGAATTCTTATTTGGTTCTCAGGGCCCTGGAGAA	
CMKLR1	NM_008153	Fw AAAAGGATCCGAGATGGAGTACGACGCTTACAAC Rv AAAATCTAGAATTCCCAGGTGAGGTTCAGAGGG	
PPARγ	NM_011146	Fw AAAAGGTACCTATGCTGTTATGGGTGAAACTCTGG Rv AAAACTCGAGCCTGCTAATACAAGTCCTTGTAGATC	
Oligonucleotide sequences used for shRNA gene silencing			
Chemerin	NM_027852	GGAGTTGCAATGCATTAAGAT	
CMKLR1	NM_008153	GGAAGATAACCTGCTTCAACA	
PPARγ	NM_011146	GCCCTTTACCACAGTTGATTT	

Fw, Forward; Rv, reverse; Restriction sites used for cloning are underlined.

Table S2. Primer sequences used for chemerin promoter analysis and chromatin immunoprecipitation (ChIP)

Primer	Position	Primer Sequence
Primer sequences used for generating chemerin promoter constructs, -4459/+38 and -600/+38		
Chem(-4459/+38)-Fw	-4459/-4435	AAAAACGCGTACATGAGTAAACCACCATTGCTTGC
Chem(-600/+38)-Fw	-600/-578	AAAAACGCGTGACTGATGCCAGCCAGTCAAAGC
Chem-Rv	+16/+38	AAAACTCGAGCTCCTCTCTCTTGGTCCCCAAAG
Primer sequences used for generating direct repeat 1 (DR1) constructs, pDR1 (-61/-49) and dDR1 (-472/-460)		
pDR1-Fw	-125/-104	AAAACTCGAGGTCTCATTTGGTGCTCCAGGC
pDR1-Rv	-12/+9	AAAAAGATCTCCTTTTCCCACTGACCCTTCTC
dDR1-Fw	-566/-546	AAAACTCGAGGGCTGTGAACAAACCCGAGAC
dDR1-Rv	-394/-371	AAAAAGATCTTGACCAGGTGATCTTCCACTAGAA
Primer sequences used for generating promoter constructs with mutations in the DR1 elements		
ΔpDR1-Fw		GCTCAATGCAAGAGGAGGTACCGGGAACTTTGGGAAACAGAAAACTC
ΔpDR1-Rv		GAGTTTTCTGTTTCCCAAAGTTCCCGGTACCTCCTCTTGCATTGAGC
ΔdDR1-Fw		GGAGCTCTCTCACTGGACACACGGTACCAACTGAAGCAACAGACC
ΔdDR1-Rv		GGTCTGTTGCTTCAGTTGGTACCGTGTGTCCAGTGAGAGAGCTCC
Primer sequences used for identifying the specific binding of chemerin promoter target sequences to PPARγ in the CHIP assay		
CHIP-target region-Fw	-138/-115	TATTCAGCCTGCAGTCTCATTTGG
CHIP-target region-Rv	-35/-13	CCAGAGTCCGGAGTTTTGGAGTT
CHIP-nontarget region-Fw	-3693/-3670	AGAAGAACAGAGACCACGGGTATG
CHIP-nontarget region-Rv	-3529/-3505	GGACTTGAACTGAGAGAAATGGCAG

Fw, Forward; Rv, reverse; Restriction sites used for cloning are underlined.