Supplementary Table SI Location and primer sequence information of promoter region, S1–S6 and S1(D).

Sequence name	Start site in the transcript	end site in the transcript	chr9 start	chr9 end	Sequence information	Primer information	
Promotor region	+50	−2000	33447560	33449609	CTGGGCAACATAGCAAGACCTCATTTTTACAACAGATTTTTAAAAATTAGCTGAGTGTCATGGTGGCACATAGT CCCTATAGTCCCATCCATTCTGGA GGCTGAGGTGGGAGGATCACTTGGGCCCAGGAGTTCGAGGCTACAGTGAGCTGTGATTGCACCACAGCCTGGGTGATGGAGCAAGACCCTA CTCTTTAAAAAGAGAGAGAGGGCAAGGTTGTCCCATGATCCCCCTCAGATAGGGCTGACTCCCCCATAATTAAGTTTGCTTAAAGAGGCAGA CTTGCTGGGCTCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGTGGATAACTTGTGGTCAGGAGTTCGAAATCAGCCTGG TCAACATGGTGAATCCCCATCTCCACTAAAAAAACAAAAATTAGCTGGGCATGGTGGTGTGCACCTGTAATCCCAGCT AATCGGGAGGCTGAAGCAGG AGAATCACTTGAACCTGGGAGGTGGAGGTTGCAGGGAGCCGAGATCACGCCATTGCACTCCACCTAGGCGACAGAGAGAGACTCCGTC TAAAAAAAAAAAAAGAGACAGACTCTTCCTTGGCTGGGGGTAAGTCAGATGGGAGAGGAGAGGGTTAAAAACAGCTGGGACTCAGCCTGCTGGCAAAC ATGTGGCATGTGGCATGTCGGGGCAACTGCAGCTCAGCCTCTGGAGCCATGTGAGCAATGCACGCAGGTACACGTGTGACAAGTAGGTCACCTAG CCATGTTCAACAGGCATGTGCACACGACGAGGAATGCCCAGCCGTACAATTAGGCACACAGGACATCCGCCATGTGTAGACACAGCTGTGGAC ATAGCTGGCCAGGACATGCGACACGACGTGCTCATAGCACAGGGAGAAGGGCCCATGAAGTCTGGTTGGAACTCAGCACGTG TGTCTGTGTGCCCACCTGAGTCTGGACTGCTGCCCCTCTGACACTAGCTGTCCCCTTGAAGGGTCGGTGCCTTATCTGTCCTGACAGAAGAGACA GTGTTGCTTCTCACTTGGGGCTCGCAGCCTCCTCCTCCTGCCTCGAACTGAGGATCTGTTGGGTCCAGTCATCCTGGAGAGATGCGGCC AGTTTCTTTCTGACAGGTCTCCTCCTGCCCGCAAGGAAGTGGGGTGATCACAGGGCGCAGGTGGTCTCTATGACAGCTGCATCCTCTCCAGCCATGG CCCTGAACCCTGCCTATAATCCCACCATTGGCTCTCAGATCTGCCTAAGCCTCTCAGCCCCCTTGACGTCCCCTCCCTTAAGCGCCCTCC GAAGGCCACCCGTCCCTCAAAGCTCCTCACACTCCATGCCCGCAGCTCCCTCCACCCGGCCGTCCGCACCCAGCCTCCCAGCCGAGGT GGGGCGGGGGCGAGGGGCGCGCACTCCTCGGCGCTCCGGGACTGCAGGGCG GGGCTGCAGGGCGGGGCGGGGCCCGTGTCTCCAGCG CTCCTATAAAGGGAGCCACCAGCGCTGGAGGCCGCTGCTCGCTGCGCCACCGCCTCCCGCCACCCCTG		
S1	+22	−245	33447588	33447854	CTCGTCGCCGGAGGTCGCGACCACCGAGGGAAATATCCTCGCGACCTCTGTGCCCG GGG CGGGCGGGACGTCGGGGCGGGACGTCAGGGCCTCGCGGCTCCTCACGCGCGG GGGAGCGGGGGCGGGGTGGAGCCGACCCTCCGACCACGCCTGCGGCCCACCTCCC TCGACGCCCGTACCTCACACTCCTCGAAACTCCCTGCCCACCGGAAGCCTCCCGCGA ATTCCCTCCCCTGCAGTTCCCCCGACTCTCCGAATCCGTCTAGA	Forward primer	TCCATGCCCGCAGCTCCCTCCA
						Reverse primer	CTCCAGCGCTGGTGGCTCCCTTTA
S2	−442	−615	33448054	33448226	CGCTCGGGGTTCACTCTTCGTTGTGACAGAGAAGACAGTCCTGTCTATTCCGTGGCT GGGAAGTTCCCCTGTCGATCACAGTCTCCCCGTCGTCAGGTCTGAGTCCACCCGTGT GTCTGTGTGCACGACTCAAGGTTGGTCTGAAGTACCCGGGAAGAGGGACACGATACTCG	Forward primer	CCAGGACATGCGACACACGA
						Reverse primer	AGCCCCAAGTGAGAAGCAAC
S3	−1211	−1416	33448382	33448503	ACGCACGTAACGAGTGTACCGAGGTCTCCGACTCGACGTCAACGGGGCTGTACGGTG TACGGTGTACAAACGGTCGTCCGACTCAGGGTCGACAAAAATTGGGAGAGGAGAGGG TAGACTGA	Forward primer	AGACTCTTCCTTGGCTGGG
						Reverse primer	ACCTGCGTGCATTGCTCAC
S4	−1214	−1439	33448825	33449050	CAGACGGAGAAATTCGTTTGAATTAATACCCCCTCAGTCGGGATAGACTCCCCCTAGTAC CCTGTTGGAACGGGAGAGAGAGAAAAATTTCTCATCCCAGAACGAGGTAGTGGGTCCGA CACCACGTTAGTGTCGAGTGACATCGGAGCTTGAGGACCCGGGTTCACTAGGAGGGT GGAGTCGGAGGTCTTACCTACCCTGATATCCCTGATCACGGTGGTACTG	Forward primer	GTCATGGTGGCACATAGTC
						Reverse primer	GTCTGCCTCTTTAAGCAAACT
S5	−1426	−1599	33449037	33449210	ACACGGTGGTACTGTGAGTCGATTAAAAATTTTTAGACAACATTTTTACTCCAGAACGAT ACAACGGGTCCAATCAGAGTTTGAGGACCGAAATTTGCTAGGAGGGTGGAGCCGGAGG GCTTCACGTTGGAACGGGAGATACGACGAAAATTATTGTTCCTTTGTAGACCACCG	Forward primer	GCCACCAGATGTTTCCTTG
						Reverse primer	TGTGCCACCATGACACTCA
S6	−1569	−1690	33449208	33449301	CCGGACCCTCGTTTGTTGTACGGGAATCCGACTCGAAGATACCGTCGTAACGGTCT CCTCTAGTTTCTTTAGTAAAAGGTCTCCCTGAATTAGG	Forward primer	TCCTCAGGGTCATTAGCCCA
						Reverse primer	CTGGGAGCAAACAACATGCC
S1 (D)	'CTGCAGGGCGGGCGGGGC CCGTGTCTCCAGCGCTCC TATAAAGGGAGCCA' was deleted in S1				CTCGTCGCCGGAGGTCGCGACCGGGGCGGGACGTCAGGGCCTCGCGGCTCCTCACGCG CGGGGGAGCGGGGGCGGGGTGGAGCCGACCCTCCGACCACGCCTGCGGCCCACCTCCC TCGACGCCCGTACCTCACACTCCTCGAAACTCCCTGCCCACCGGAAGCCTCCCGCGAATTCCCT CCCCTGCAGTTCCCCCGACTCTCCGAATCCGTCTAGA	supply by Gene Pharma company, Shanghai,China	