Supplementary information Table 2. The primers used in this work

Genomic DNA primers were designed to specifically amplify ~450 bp DNA fragments flanking each target site. Primers MCPH1-1F/R were used to amplify the MCPH1-T1 target site; primers MCPH1-2F/R were used to amplify the MCPH1-T2 and MCPH1-T3 target sites; and WT -test -F/R were used to amplify the wild-type allele.

Genomic DNA primers	MCPH1-1F	AATCCCTGACTTCGTGGATCCACCTG
	MCPH1-1R	ACTCAATGCCCACAGGCCCAACTG
	MCPH1-2F	AGCAGTGTTATGCATTCCTTCGAGT
	MCPH1-2R	TAGGTATTACAGTACGCCCATGTTT
WT primers	WT -test -F	TCTTCAAAGATGGCTACCAGAGCAC
	WT -test -R	TCTGTGATCTGTGCAAAATATCTCCA
Off target DNA primers	intron mcph1-off 1F	TACTCATGGTCACTTCCTGACCCTGTT
	intron mcph1-off 1R	TAACCTATGTGTAGCCTCTGTCATGAG
	intron mcph1-off 2F	AGCCTCTTGAATACTCTAGGCTTGTCTCCA
	intron mcph1-off 2R	AATTCCTTGCAGGTGAGACTAGGTATAT
	intron mcph1-off 3F	ACAATCCAAGTTCAAACTCATCAAC
	intron mcph1-off 3R	AACTCAGGTCTGGTCTGACACTAGA
	intron mcph1-off 4F	TGTTCATATTATGGAGAAGGAATTGAGTGG
	intron mcph1-off 4R	ACAATCGCTTTACTGCTGGACTAGTAA
	intron mcph1-off 5F	ACGCATTTATACTTTTATATACCTGTG
	intron mcph1-off 5R	ATAGACACATCATGGTCAATTGATAAA
	intron mcph1-off 6F	TCACACTCTCCTGATCAAAAGTGAAACATT
	intron mcph1-off 6R	TCCAGCCACTTATTTACAAGAGTAGTA
	intron mcph1-off 7F	CCCTTGGAGAGGACCTTGACTTCAGG
	intron mcph1-off 7R	TGGGGCTGAGCTCAACTGATCAAACT
	intron mcph1-off 8F	GGAGAGACTGAACAATTGTGTGAAGAGGA
	intron mcph1-off 8R	TGAAGAAATGGGGAATGCTGCACGAGACA
	intron mcph1-off 9F	AATCTAAATGTCAGTCTTTTCGTTGT

	intron mcph1-off 9R	TATACAAATGCATTCGTGCTGAAGCGAAC
	intron mcph1off 10F	AACCTGGGCTTCTTTCAGCTTTTCCTATT
	intron mcph1-off 10R	AACAACCTATGAGTTGTATTTCACTCACT
	intron mcph1-off 11F	TTGTTGAATACAAATGCTTAAACAC
	intron mcph1-off 11R	CCAATCTGAATGTTTTTGTTGCTTTAG
	intron mcph1-off 12F	ACAGGCCACACCTGCTTGTAACTCTTTGG
	intron mcph1-off 12R	TTACACAGTTTTAACTATAGCCATCTT
	intron mcph1-off 13F	AGATCATCGTTAACTATAGTCATTCTA
	intron mcph1-off 13R	CAAAGGTAGTTCTCTAAAGAAAATGTGTA
	exon mcph1-off 1R	TTCTTTCAAGAACTTCAGAAATTC
	exon mcph1-off 2F	TCTTAAGAAAACTCTGAAGGAAAC
	exon mcph1-off 3F	TTCAGCACCTTGTTGATTCAGTAT
	exon mcph1-off 3R	AATCTCTTGTGGATTTTGTTTGTAC
	exon mcph1-off 4F	TGCTGGAAAGGAAGAAACTCAT
	exon mcph1-off 4R	ACTCGTGCACTTAAAACGTATCAGTT
	exon mcph1-off 5F	TTTATGATGGCTCGGCAGTACAGTC
	exon mcph1-off 5R	GGCGTGTCAGTGTTCTCACAG
	exon mcph1-off 6F	CTTGTCCTGCAGGTGTAGCAAT
	exon mcph1-off 6R	CCATCTGTCCCCATGAGAAGCTGCAT
	exon mcph1-off 7F	GTCTATGAAGTACACGATTCAGATG
	exon mcph1-off 7R	AGCTCATTATCTTCCAGAAATAAGA
	exon mcph1-off 8F	TTCAGGTATACTCATTCTTTGCTCAT
	exon mcph1-off 8R	CCAGATCCACTCCTACCAGAAACC
	exon mcph1-off 9F	GATAATTCACCCTAATAAGCACACAAT
	exon mcph1-off 9R	TGATAAACTCTGTTGATGCATATCT
	exon mcph1-off 10F	TGACAGGCAATGGAAACATTTGCTA
	exon mcph1-off 10R	CAAGCACAAATGCTAGAAACGAGAG
	exon mcph1-off 11F	CGATCTGGCCACCGCTCATCCCACCTTT
	exon mcph1-off 11R	TGGAGTCAATCACACCCACTGTCTTGA
	exon mcph1-off 12F	TGAGTGAAAGTCTACTCTGAATGATATC

	exon mcph1-off 12R	TATGAACTAAAAGGCCCAAGCCAACAA
	exon mcph1-off 13F	ACAATACCTCCCACGCCATGAAGCACTT
	exon mcph1-off 13R	CAGATGCACAGTGTATTTTGAAAGCA
	exon mcph1-off 14F	TCAGGAGAGAATGACTTCATTGGCC
	exon mcph1-off 14R	TTTATTTGATTTTCTACCAGTGTTAA
	exon mcph1-off 15F	CTCTAGGTAAAATATTACCTGCGTTTTAGTA
	exon mcph1-off 15R	CACCAAAATAGTAAGTTAAAAATAAGC
	exon mcph1-off 16F	TTCCGCCTCCTCAGTACTTTGAAAC
	exon mcph1-off 16R	TATGGAACATTTCCACCACTGCAGA
	exon mcph1-off 17F	ATTTTGATGACTTGTTTAAAGACTTTGGCTT
	exon mcph1-off 17R	CCATATTTCCTCTTCGTTGAGTGACAGT
	exon mcph1-off 18F	TGGTGACTGAAGACACCTCAAGGGTT
	exon mcph1-off 18R	CAGCAGTGAGAGTGATTCCCCTTTCTC