

<b>Marker</b>	<b>Forward primer</b>	<b>Reverse primer</b>	<b>Genotyping method</b>
BM70A7SSR.18	CCTCCCTCCTTCTCTCTTCC	GGACTTGCCATGTGGATCTT	B6 allele > NOD, 3bp
rs3158127	TTAGTGGGACAGCGATCTGA	GCAGGCTGTTGCTACTTTCA	Requires that the amplified product be digested with restriction endonuclease Ssp1 from New England Biolabs (UK) Cat# R0132
Ptgfrn_Int-1_SNP2	GGGACGCTCGTCTATCCTTT	GGCTCACTTTTCCTTGAAGC	The genotype of Ptgfrn_int-1_snp2 is determined by sequencing the amplified product
AL672281_7	GAACCAAGGCAGGCATTA	TTACTGCCCCCTTCTCCTTT	NOD allele > B6, 2bp
AL645930.10.6	AAAAACCCAGGACCAGACAA	AGGAAAGGCCTAATGTCAACC	B6 allele > NOD, 2bp
AL645930.10.10	GGAAGGATCCAGTGCCTAT	GAACCTTGCATTCCCTCAAGC	Agarose resolvable B6 allele > NOD
2410_micro-1	AGGAGAATCTTCTCAGAGCCTTA	TGAATCTTTATAGACATGTGATGGA	Agarose resolvable B6 allele > NOD
2410_P_SNP-5	AGCAAGATCTTTAGCTGTTGTTAAT	AGTTTGCTGTCTTGGGACAT	Requires that the amplified product be digested with restriction endonuclease Ava1 from New England Biolabs (UK) Cat# R0152
163Gothic_2 CD101KO	CAGCCACCTTTGCTTTCTG TCAGTGGGCTGAAAACCACA	GTCACATCCACAAGGCACAC CAAATGCACAGTGCCCA	163Gothic_2 and CD101KO are used to detect the wild type and targeted Cd101 alleles, respectively

**Supplemental Table 1: Novel genotyping primers used in this study**