Supplementary Table 1. Polymorphisms within NOD1/CARD4 genomic sequence and their genomic context:

ND1-664	rs2736726	tatatgattgaatgtacttcttcagtgtga[g/a]taagtgacaactttctgtagcatgatatcc
ND1+233	rs2075817	tgcgagtgaggaggcgcagggaggcgggat[t/c]tgcgtgcgggcggaacgcagcgcggctctg
ND1+18915	rs2975632	aggtcgggaaaggagggatgaaggaagctg[t/c]gcaacacccctttcccagctttctaaagaat
ND1+21658	rs3020207	gaaaccccacaaccagtgggaggtggggtg[a/g]gctctttctgtagcttttgctttgctgatg
ND1+21984	rs2075818	caacttgctgaagaatgactacttctcggc[g/c]gaagatgcggagattgtgtgtgcctgcccc
ND1+25816	rs2235099	ggagctgctgctggaggagatctacatgga[c/t]accatcatggagctggttggcttcagcaat
ND1+26129	rs3020208	aagcactactgctacccagagcgggacccc[g/a]aggaggtgtttgccttcctgctgcgcttcc
ND1+27053	rs2075821	ttccagtgcctgcagggcagtggtccggcg[t/c]gggaagacctcttcaagaacaaggatcact
ND1+27606	rs2075822	ggccaggctcggagggcatcgggaatggca[t/c]catggaccaggatcccccaggactcatgac
ND1+32656	rs6958571*****	ggatgtatgtggtacaacctgctgtgtgtg[t-/gg]ggggggcgggccttgctgttcttttcatac
ND1+45343	rs2907748	gagggagggtgggctcctctacaggtagct[g/a]ggctaagaaataggagcccaggtacaggat
ND1+50150	rs5743368	gtttttttaaactttgctttagaacttgttt[g/a]gaacttgtcataaaatcgatcagtttggtg

***** This is the SNP Database reference for a t/g single base pair substitution at the same position without the accompanying insertion/deletion

Supplementary Table 2. Oligonucleotide primers employed for the massExtend™ genotyping:

ND1-664	rs2736726	acgttggatgtactcacaagcatcagtggc	acgttggatggtccataagggatatcatgc	attgaatgtacttcttcagtgtga
ND1+233	rs2075817	acgttggatgacccagagctcctccagag	acgttggatgaggccctttctgaggtcctg	cgttccgcccgcacgca
ND1+18915	rs2975632	acgttggatgaagcagtgagtaaaacgggc	acgttggatgctttagaaagctgggaaggg	ggagggatgaaggaagctg
ND1+21658	rs3020207	acgttggatgcccctgaagagatcaatgac	acgttggatgtagagaaaccccacaaccag	aaagcaaaagctacagaaagagc
ND1+21984	rs2075818	acgttggatgcaggcacacacaatctccgc	acgttggatgccgcaatactcagtgtctgg	cacacaatctccgcatcttc
ND1+25816	rs2235099	acgttggatgtcattgctgaagccaaccag	acgttggatgaagttcgtgctgtgctatgc	aagccaaccagctccatgatggt
ND1+26129	rs3020208	acgttggatgaggccatcgaaggtgaagag	acgttggatgtgctcttcaagcactactgc	cagcaggaaggcaaacacctcct
ND1+27053	rs2075821	acgttggatgggaagaggttggtgaactgg	acgttggatgtatcctcccttcctcccgttc	ttcttgaagaggtcttcccg
ND1+27606	rs2075822	acgttggatgaaggggagcaacaggtggg	acgttggatgaagggccatggtcatgagtc	gagggcatcgggaatggca
ND1+32656	rs6958571*****	acgttggatggtccttctggtgtactgatg	acgttggatggtatgtggtacaacctgctg	agcaaggcccgcccccc
ND1+45343	rs2907748	acgttggatgtacctgggctcctatttc	acgttggatgaatctgagggctcagcaaag	acctgggctcctatttcttagcc
ND1+50150	rs5743368	acgttggatgccaaactgatcgattttatg	acgttggatgaacacaggctcctcatacag	ctgatcgattttatgacaagttc

***** This is the SNP Database reference for a t/g single base pair substitution at the same position without the accompanying insertion/deletion

Supplementary Table 3A. Primers used for ND1+32656 genotyping:

NODfwd	ctgactgtcctcagggcttc
NODrvs	tccccaaaaggcaaatactg
Arms_del	ggatgtatgtggtacaccctgctgtgtgtat
Arms_ins	Gaacagcaaggcccgccccccctca

Supplementary Table 3B. Genotyping Conditions for ND1+32656

	1 reaction	Unit
dNTPs	0.5	µL
KCl Buffer (Sigma)	0.5	µL
Mg++ (25mM Sigma)	0.2	µL
NODrvs (100 µM)	0.02	µL
Arms_del (100 µM)	0.02	µL
NODfwd (100 µM)	0.01625	µL
Arms_ins (100 µM)	0.01625	µL
H2O	2.5525	µL
Taq Gold (Sigma)	0.175	Units
DNA template (2,5 -10ug)	1	µL
Total Volume	5	µL

Supplementary Table 3C. Reaction Conditions:

95°C for 15 min
94°C for 1 min
60°C for 1 min
72 °C for 1 min
go to step 2 and repeat 30 times
72°C for 10 min
End

Run in a 3% agarose gel for about 35 minutes (visualize with ethidium bromide)

Supplementary Table 4. Oligonucleotide primer sequences used for mRNA amplification

Fragment	Forward Primer	Reverse Primer
1	gaagagcagggccacagtgagatg	gagcagcttcccactgagcaggtt
2	ctcttcaccttcgatggcctggac	aggaagaggttggtgaactggaagtgat
3	atcacttccagttcaccaacctcttcct	tcttcatagactttggcctcctctggtt