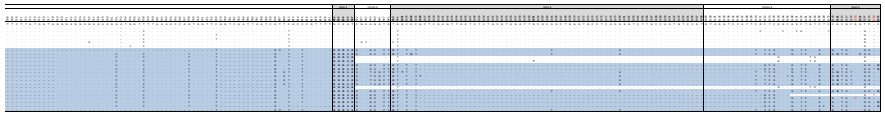
Supplemental Table 3. *MLuc2* and *MLuc2* haplotypes obtained by means of PCR-cloning and Sanger sequencing (PCS).

Haplotype	Pool 1	Pool 2	Ind. 1	Ind. 2	Ind. 3	Ind. 4	Ind. 5	Ind. 6	Ind. 7	Exon 1[1]: 16, 21, 26, 28, 30, 31, 33, 34, 39, 48, 52, 58, 61	Exon 1[1]: 64–97
PCS-M2.1	1									ACTGTTTGCGGAA	GAAAACTTTGAAGACATTGATCTTGTAGCTATAG
PCS-M2.2									1	....	....
PCS-M2.3	1									....	....
PCS-M2.4						1				C............	T*.................................
PCS-M2.5				1						C............	....
PCS-M2.6				1						....	....
PCS-M2.7				1						....	....
PCS-M2.8			1					1		....	....
PCS-M2.9					1					.T.....AA....	....
PCS-M3.1				1		1		3	1	.T.C......C.T	----------------------------------
PCS-M3.2									1	.T.C......C.T	----------------------------------
PCS-M3.3							3			.T.C......C.T	----------------------------------
PCS-M3.4	1									.T.C......C.T	----------------------------------
PCS-M3.5							1			.T.C......CGT	----------------------------------
PCS-M3.6							1			.T.C......CGT	----------------------------------
PCS-M3.7	1						1			.T.C......CGT	----------------------------------
PCS-M3.8							1			.T.C......C.T	----------------------------------
PCS-M3.9							1			.T.C......C.T	----------------------------------
PCS-M3.10									1	.T.C......C..	----------------------------------
PCS-M3.11	1									.T.C.........	----------------------------------
PCS-M3.12		1								.TCCAAA...C.T	----------------------------------
PCS-M3.13		1								.T.C......C.T	----------------------------------
PCS-M3.14		1								.........A...	----------------------------------
PCS-M3.15			1							.T.C......C..	----------------------------------

Haplotype	Intron 1[1]: 98–134	136, 140, 142	144–163	170, 171, 172, 173, 175, 180	185–192	194–208	210–214	215, 217, 218, 219, 220, 224, 228, 229, 232	233–236	240, 242, 244, 246, 248, 252, 253, 255	262, 263, 265, 268, 269, 270, 271, 272, 273, 274, 277, 280, 281, 282	283–287	288–298	306, 311, 312, 314, 315, 317, 319, 321, 326, 327	333, 334, 336, 337, 342, 343, 344
PCS-M2.1	GTGAGAGACTGGAAATATATTTGTAACTAGTAGCGAG	AAA	ATTTTTT---ACAAAGACTT	GCCAAT	T--ATCAA	TTATGAAGTCCAATT	AGGCT	TATCATGGG	----	TAACAAAC	TCACTTTTTATAAA	-----	AATTGAAAACG	TTCGTCTCAT	GAATTTA
PCS-M2.2	..........................A..........	G.-	.......T--.....A.T..	......	.--.....	....	..A..	....	----	......G.	.T......A.....	-----	.........A.	C......T..	CC.....
PCS-M2.3	....	...	.......---..........	......	.--.....	....	.....	....	----	....	....	-----	....	....	....
PCS-M2.4	..........................A.......A..	..-	.......T--..........	......	.--.....	....	.....	....	----	....	....	-----	....	....	C......
PCS-M2.5	..........................A.......A..	..-	.......T--..........	......	.--.....	....	.....	....	----	....	....	-----	....	....	C......
PCS-M2.6	..........................A..........	..-	.......T--..........	......	.--.....	....	.....	....	----	..C.....	....	-----	.........TA	....	C..A...
PCS-M2.7	..........................A..........	..-	.......T--..........	......	.--.....	....	.....	....	----	....	...........C..	-----	....	....	C......
PCS-M2.8	..........................A..........	..-	.......T--..........	......	.TTT....	....	....A	....	----	....	...........C..	-----	....	....	C...CCC
PCS-M2.9	......A...T...............A.......C.T	..-	.......---..........	TGT.T.	.--.....	...GA..........	.....	.....A..T	----	....	C.TT...G....--	-----	---------..	...AAG....	C.G..A.
PCS-M3.1	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC
PCS-M3.2	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC
PCS-M3.3	------------------------------------.	.CC	T....G.T--..........	A..G.A	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	G.ATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C.CA	C...CCC
PCS-M3.4	------------------------------------.	.CC	T....G.T--..........	A..G.A	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	G.ATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C.CA	C...CCC
PCS-M3.5	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAA.	TCGC	ACCA.G.T	....CCA..TAGC.	GTTGG	..A..GG..T.	CC....C..A	C...CCC
PCS-M3.6	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAA.	TCGC	ACCA.G.T	....CCA..TAGC.	GTTGG	..A..GG..T.	CC....C..A	C...CCC
PCS-M3.7	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAA.	TCGC	ACCA.G.T	....CCA..TAGC.	GTTGG	..A..GG..T.	CC....C..A	C...CCC
PCS-M3.8	------------------------------------.	.CC	T....G.T--..........	A..G.A	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	G.ATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C.CA	C...CCC
PCS-M3.9	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CCA...C..A	C...CCC
PCS-M3.10	------------------------------------.	.CC	C....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCAG..T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC
PCS-M3.11	------------------------------------.	.CC	T......TTT.......A..	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CC.
PCS-M3.12	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC
PCS-M3.13	------------------------------------.	.CC	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC
PCS-M3.14	------------------------------------.	.CC	T-------------------	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC
PCS-M3.15	------------------------------------.	..C	T....G.T--..........	A..G..	GAGCAACT	AGCAAGTCCAATTGA	CCTT.	GCATTGAAT	TCGC	ACCA...T	....CCA..TAGC.	GTTGG	..A...G..T.	CC....C..A	C...CCC

Haplotype	Exon 2: 353, 370	390–398	404, 429, 431, 441, 465, 466, 479, 480, 491	Intron 2: 504, 508, 510, 511	513–587	588–698	700, 705, 706, 707
PCS-M2.1	TA	GGTGGACAT	CCTGGCGAC	ACTT	AGAATTCATCGAAGGCTGGCTTTGAACGGCGTCTTCTGTGTTAAAAAGTATATGTCGCCTTCTGTGCTAAAAAGT	ATATGTCGTCGTTTTTAACTTTCCCAATCTGTGATTGCACAGATTATTTTGTTTCCACACAGTCCAATGTAGAGAACGTAGTATTCTTACTATGTTTCATACGACGTTCAA	AACC
PCS-M2.2	C.	....	....	....	....	....	....
PCS-M2.3	.G	---------	....	..A.	....---	---	....
PCS-M2.4	C.	....	....	..A.	....---	---	....
PCS-M2.5	C.	....	....	..A.	....---	---	....
PCS-M2.6	C.	....	....	..A.	....---	---	....
PCS-M2.7	C.	....	....	..A.	....---	---	....
PCS-M2.8	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M2.9	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.1	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.2	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.3	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.4	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.5	C.	....	TTGACAAGA	GAAA	---	---	.---
PCS-M3.6	C.	....	TTGACAAGA	GAAA	---	---	.---
PCS-M3.7	C.	....	TTGACAAGA	GAAA	---	---	.---
PCS-M3.8	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.9	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.10	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.11	C.	....	.TG.CAAGA	GAAA	---	---	G---
PCS-M3.12	C.	---------	.TGACAAGA	GAAA	---	---	.---
PCS-M3.13	C.	---------	.TGACAAGA	GAAA	---	---	.---
PCS-M3.14	C.	....	.TGACAAGA	GAAA	---	---	.---
PCS-M3.15	C.	....	.TGACAAGA	GAAA	---	---	.---

Note: Plain text, silent or intron mutation; Bold, nonsynonymous mutation; Red, nonsense*/frameshift mutation;
Light grey cell, exon; dot, same as first sequence; –, deletion. Vertical discontinuous lines indicate the limits of the region with available MPS data.
[1] Intron 1 boundaries of M3 sequences were not determined (see the results section);
Rows indicate name, number of clones and sequence variants of each haplotype;
Haplotype names include PCS- to indicate that were obtained using PCR-cloning and Sanger sequencing.