

**Table S1 Oligonucleotides used in this study (see also Figure S5).**

Oligo name	DNA sequence (5'→3')	Used in
ry-PvuI-F	CAAGGCGTATTTTCGATCGGGTCAGCC	0.2-kb donor construction AA, BX deletion detection
ry-9350-R	AATAGCCGGATTTCAGGCTAGAGC	0.2-kb donor construction
ry-8981-F	CGGAAACGGCCACGGATAAAGTA	0.5-kb donor construction
ry-9532-R	GTAGGCTGACATTGAACTCCCCG	0.5-kb donor construction
ry-8788-F	AATCGGGAGAATCGCTGGCGGAAAC	1.0-kb donor construction
ry-9720-R	GCAATTCGAATGCGTGCCGATGTGG	1.0-kb donor construction <i>KpnI</i> site polymorphism
ry-genomic-R	GCGAAGATCTCGTCTCATAACCTGAG	AA deletion detection SA deletion detection <i>HaeIII</i> site polymorphism <i>DpnII</i> site polymorphism
ry-10320-R	ACACACTTACCAATCAGCGGACG	BX deletion detection
ry-506-7640-F	CACCAGCTCGTGGAGCGCGTG	BP deletion detection
ry-PvuI-R	GGCTGACCCGATCGAAATACGCCTTG	BP deletion detection
ry-NdeI-F	GGAAAATCCATATGTAGGTTTCTTTATGCATACC	SA deletion detection
ry-9085-F	GGAATGGCCGTACTGGATGCGTG	<i>HaeIII</i> site polymorphism <i>DpnII</i> site polymorphism
ry-EcoRI-F	GAGCGCAGCGAATTCAGCCCTTG	<i>PvuII</i> site polymorphism
ry-1460-R	CCGAGCGGCTCTTTGGGCC	<i>PvuII</i> site polymorphism
ry-BstNI-F	CACCAAGCTGGATGCCAGTGAAG	<i>BstNI</i> site polymorphism
ry-NdeI-R	GGTATGCATAAAGAAACCTACATATGGATTTTCC	<i>BstNI</i> site polymorphism
ry-6000-F	GTGGGCTTCACCAAGGAGGGTC	<i>KpnI</i> site polymorphism
ry-842-FLP-F	5HEX/CCTTTTAGATTAAGAAAAATTCATGG	<i>HaeIII</i> site polymorphism
ry-842-FLP-R	TTCATCGGAAAACCTTGCTCA	<i>HaeIII</i> site polymorphism
ry-1985-FLP-F	56-FAM/CCATAACGGCAGCACACTG	Polymorphism at +195
ry-1985-FLP-R	CTCAACGCCACCAATCAA	Polymorphism at +195

The last 4 entries were used in assays by high-resolution length analysis of the PCR products, and the forward primer (F) carried a fluorescent label in each case.