

Table S8. Specific primers for the determinations of gene dosage, allelic frequency (GD1) and chromosome rearrangement boundaries

Name	Frame	Chr	Position	Sequence
GD ^a	+	3	8851426	5'-TCCTTGGATTCACGAGACCT-3'
	-	3	8851849	5'-GTTAAGGCTGCAAGGAAACG-3'
GD1a	+	3	7429651	5'-TGCCCATCATAACACAAAGC-3'
	-	3	7430170	5'-CAATTGGAAGGAGCAGAAGG-3'
GD2 ^a	+	3	8053193	5'-TGCGAATGATACACGCAACT-3'
	-	3	8053552	5'-CAATCAAGGCTGCAATTTCC-3'
GD3 ^a	+	3	8493139	5'-TTGAAGAAGCCTGGGGTAAG-3'
	-	3	8493454	5'-ACTTGCACCTGTTGGGAAAC-3'
ARR-5'+CitMul_1 ^b	+	3	6785140	5'-GGTGGATTGGGAACCTACAG-3'
	-	3	6791802	5'-CATCCTTGTCGGTAACACAC-3'
ARR-CitMul_1+3 ^b	+	3	6785486	5'-CTGGCTGCAATTGAACTCG-3'
	-	3	8686913	5'-AACTGTCACGGCTCAACCAT-3'
NER-Del8-A ^b	+	8	12601782	5'-ACGCCTCAGCTTGGTGATAC-3'
	-	8	13511756	5'-GTTCCGCAACTAGCTCCATC-3'
NER-Del8-B ^b	+	8	13566119	5'-TCAGATGCAAGAGCTTGTGAG-3'
	-	8	13636531	5'-CATGGGAATCAAGATGAGCA-3'
NER-5'-T(8;6) ^b	+	6	21997356	5'-ATTCATACCGGGCCCTAATC-3'
	-	8	13635261	5'-ATGCAGACTTTGCCGGTTAC-3'
NER-3'-T(8;6) ^b	+	8	13635106	5'-TTCATCCAAAGTGCTTGTGC-3'
	-	6	21998062	5'-GCGCTAGTGTTGAGTTGCTG-3'

^a Gene dosage/allelic frequency

^b Rearrangement boundaries