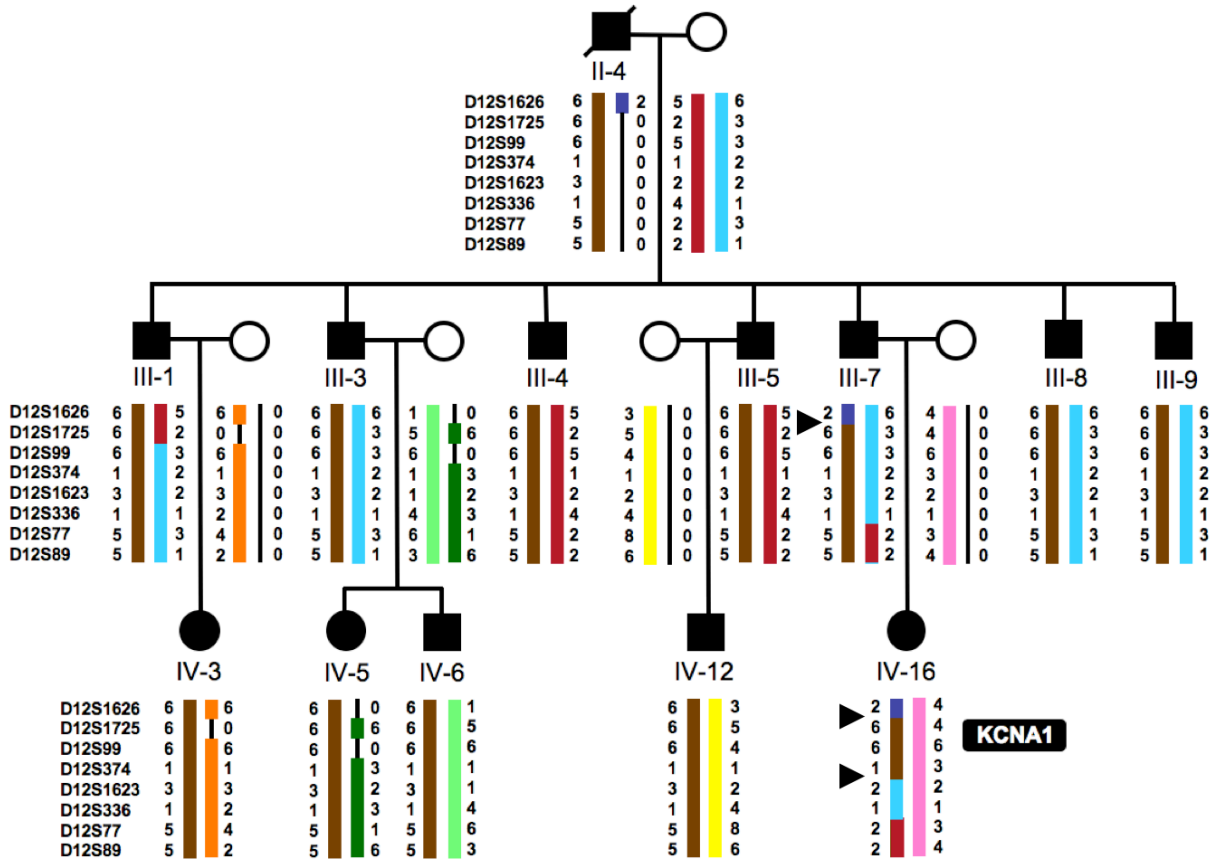
Supplemental Figure 1



Supplemental Figure 1 Haplotype analysis of the autosomal dominant hypomagnesemia locus on the short arm of chromosome 12 in the Brazilian family**.** Affected family members are shown in black; circles and squares refer to female and male individuals, respectively. A diagonal line indicates that the individual is deceased. Microsatellite markers are depicted on the left. The haplotypes are illustrated by different colors. The brown haplotype co-segregates with the disease. Critical recombinations are pinpointed by arrow heads (υ) in individuals III-7 (telomeric) and IV-16 (centromeric). *KCNA1* is located within the critical region between markers D12S1725 and D12S99 (black bar).

Supplemental Table 1 Overview of primers sets

Accession: BC101733	Forward primer (5' to 3')	Reverse primer (5' to 3')
Human *KCNA1* 1.1	GAGGGGGATTCCAAACTGAG	AACTTCTCCATGGCCTCCTC
Human *KCNA1* 1.2	GTACTTCTTCGACCGCAACC	CCCAGCGTGATGAAATAAGG
Human *KCNA1* 1.3	CCCTTCTTCATCGTGGAAAC	AGCAACTGAGCCTGCTCTTC
Human *KCNA1* 1.4	GACAATTGGAGGCAAGATCG	CCCAAAATCCTCAATGCAAC

These primer sets, overlapping the human *KCNA1* coding region, were used for mutation analysis based on GenBank accession code BC101733.