

Primer name	Primer location	Primer Sequence 5'–3'	Annealing temperature (°C)	Product size (bp)
G2-1F	Intron 3–4	TGTAAAACGACGGCCAGT GAGCGAGACATCACCCATCCC	61	598
G2-1R	Exon 3	CAGGAAACAGCTATGAC CCCCCTGGAGGCCCACTCTCTG		
G2-2F	Intron 5–6	TGTAAAACGACGGCCAGT CTTCCCAAGCCAAAGCCCAAGC	59	253
G2-2R	Intron 4–5 & Exon 5	CAGGAAACAGCTATGAC CCCTGCCTTGCCCTCCCAAGTC		
G2-3F	Exon 6	TGTAAAACGACGGCCAGT TAACTGCTGGCAGGCTGCTG	59.5	584
G2-3R	Intron 5–6	CAGGAAACAGCTATGAC CCAGTGGGACACAATTCCTGG		
G2-4F	Exon 5 & Intron 5–6	TGTAAAACGACGGCCAGT CGCAGTCCACTCACATTGTGCAGCTTG	59.5	593
G2-4R	Intron 4–5	CAGGAAACAGCTATGAC CCGGACACTGACTCACCCAGGA		

G2-1, G2-2, G2-3 and G2-4 primers were used to PCR amplify and sequence the *GATA2* mutations in patients 1,2,3 and 4 respectively. Shown are the primer names, location and specific conditions used to amplify each product. The M13 tag used for all the primers is in bold. Primers are also described on the NCBI probe assembly (<http://www.ncbi.nlm.nih.gov/projects/genome/prob>).