



**Figure 1** - *JAK2* V617F screening by PCR and *Bsa* XI digestion. Lanes 1-3: Patients with (1) essential thrombocythemia, ET; (2) polycythemia vera, PV; (3) idiopathic myelofibrosis, IMF. Lane 4: Control individual. (A) 460 bp undigested PCR product; lane M,  $\lambda$ -*Hind* III fragments (New England BioLabs Inc.); (B) *Bsa* XI digestion of the 460 bp PCR product yields 241 bp, 189 bp and 30 bp fragments from the wild-type allele; the fragment corresponding to the *JAK2* V617F mutation remains undigested: normal alleles in a patient with ET (1); a normal and a mutated allele in patients with PV (2) and IMF (3); normal alleles in a control individual (4). Lane M, 100 bp molecular weight ladder (New England BioLabs Inc.).