

Figure 1

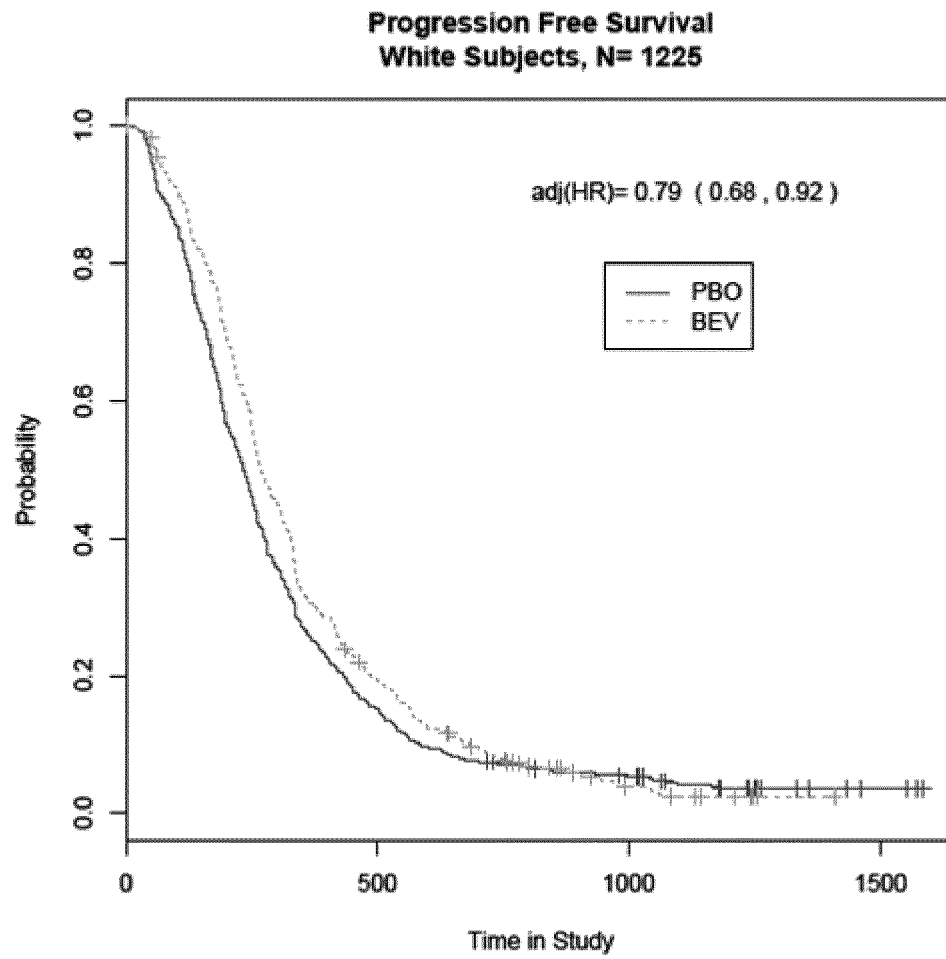


Figure 2

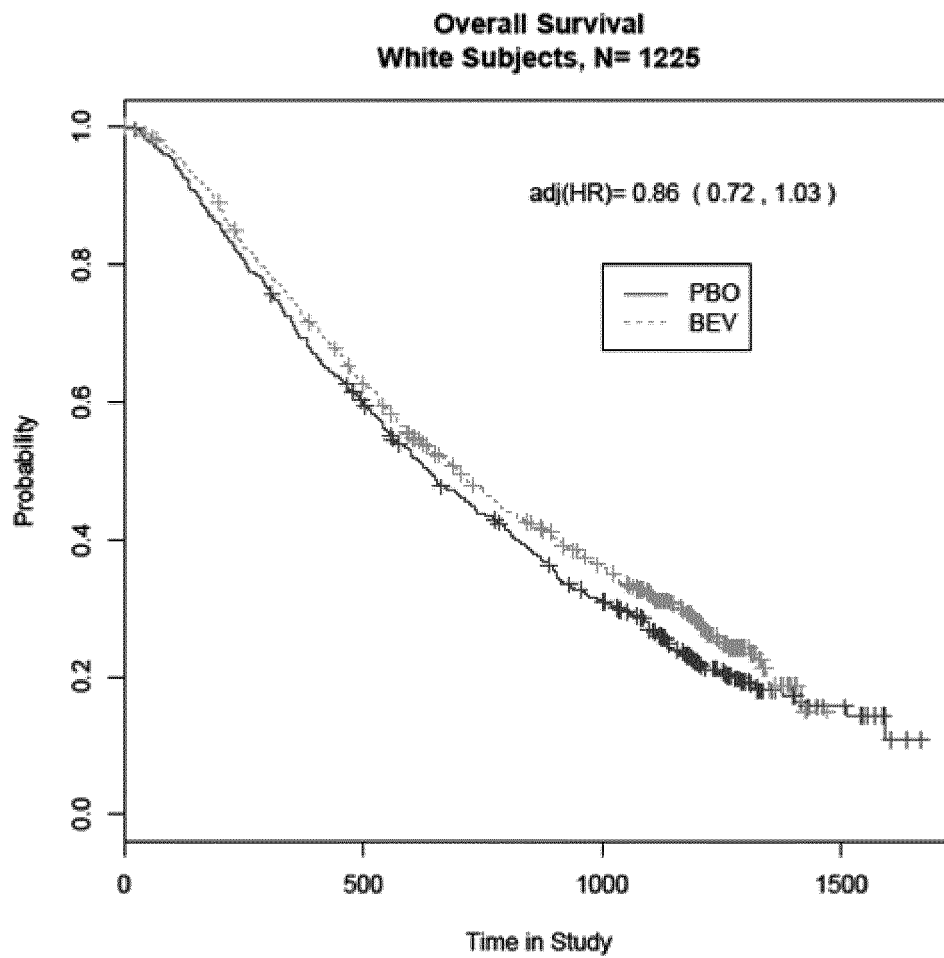


Figure 3

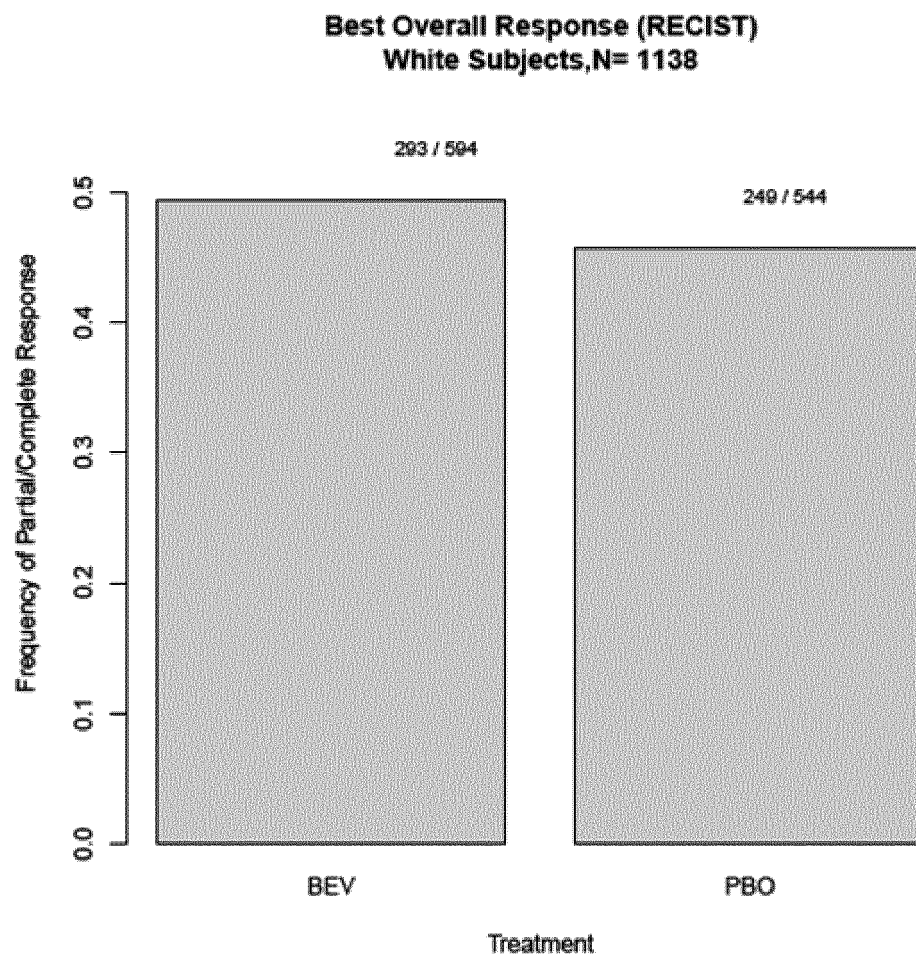
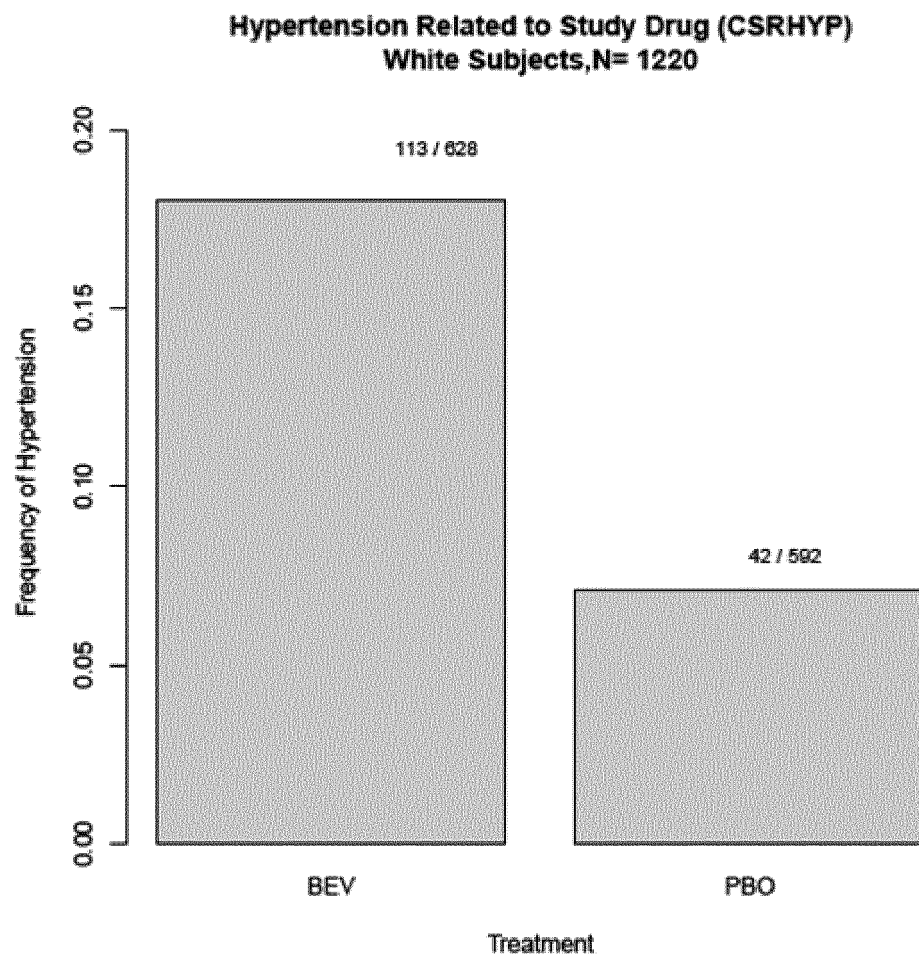


Figure 4



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Figure 5

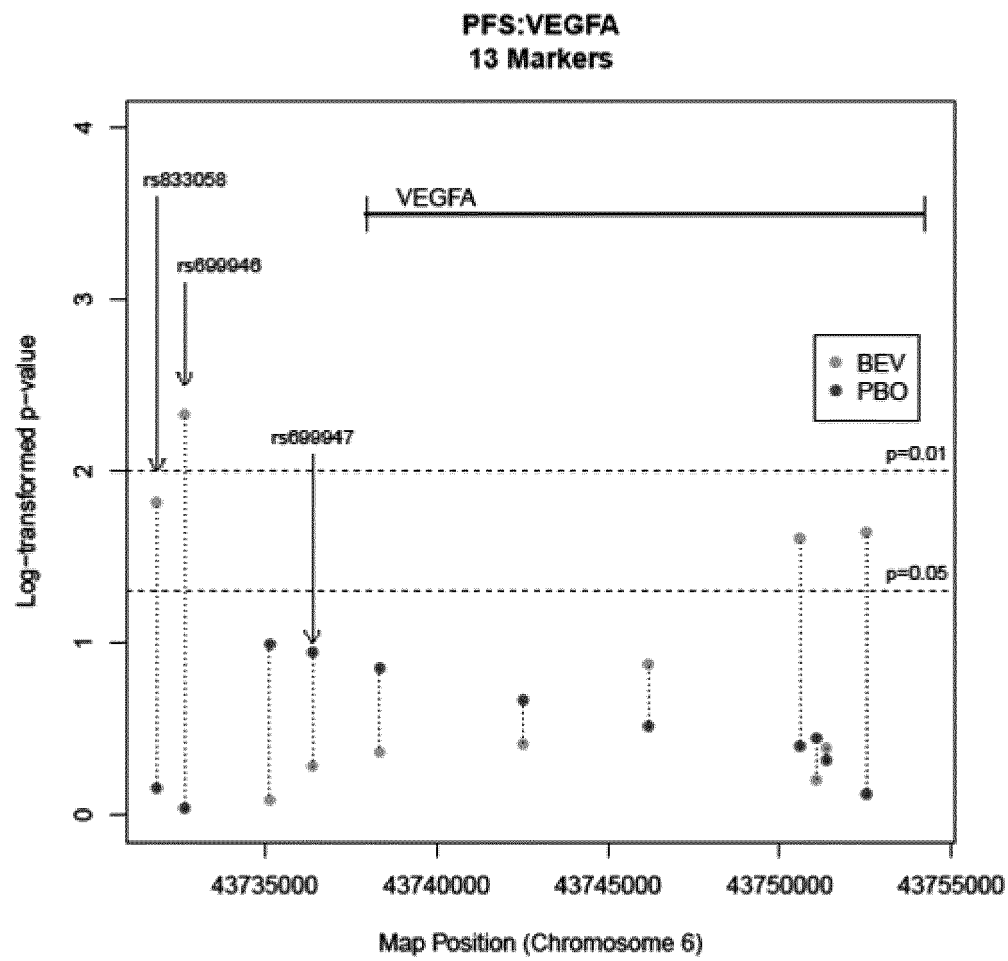
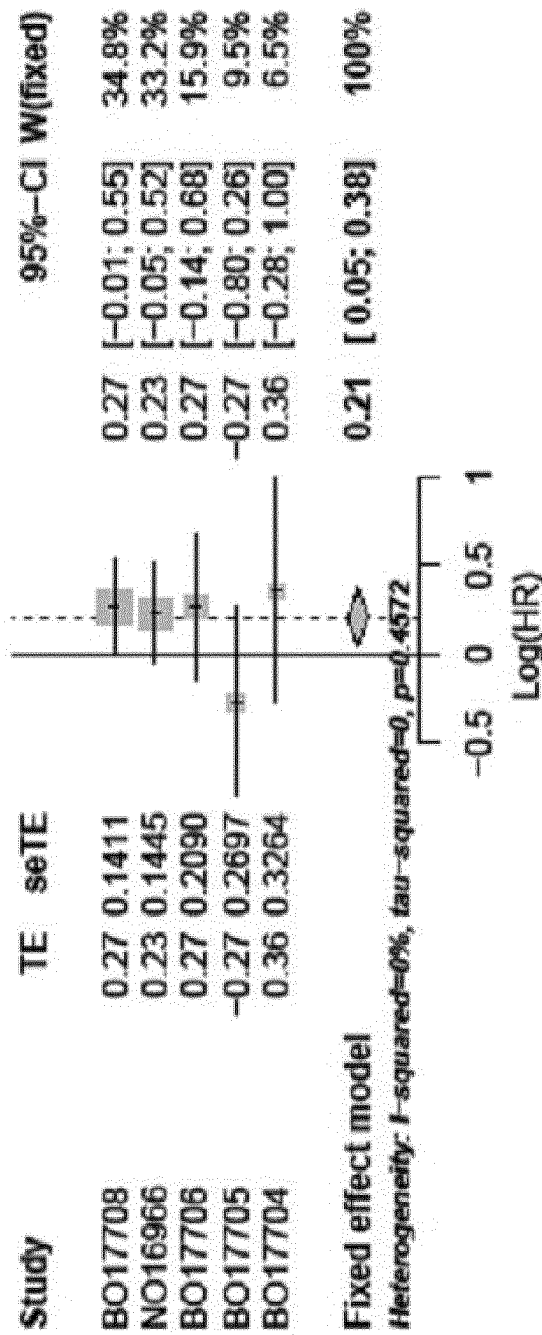
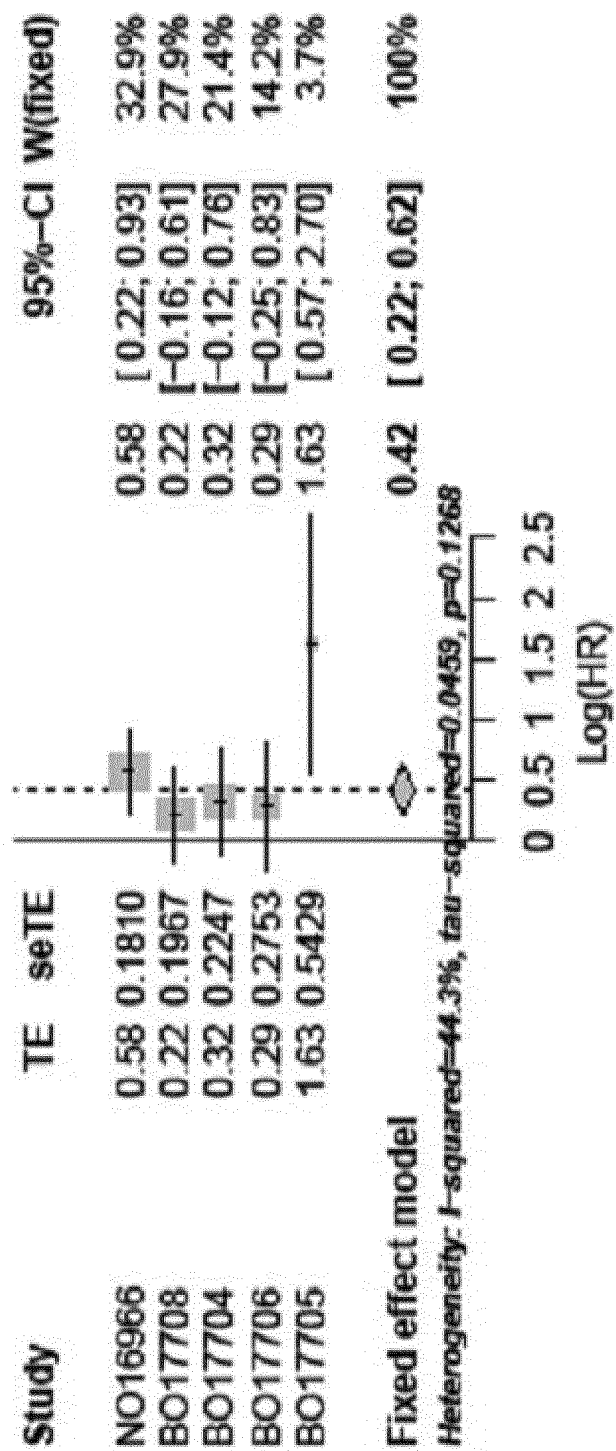


Figure 6



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Figure 7



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Figure 8

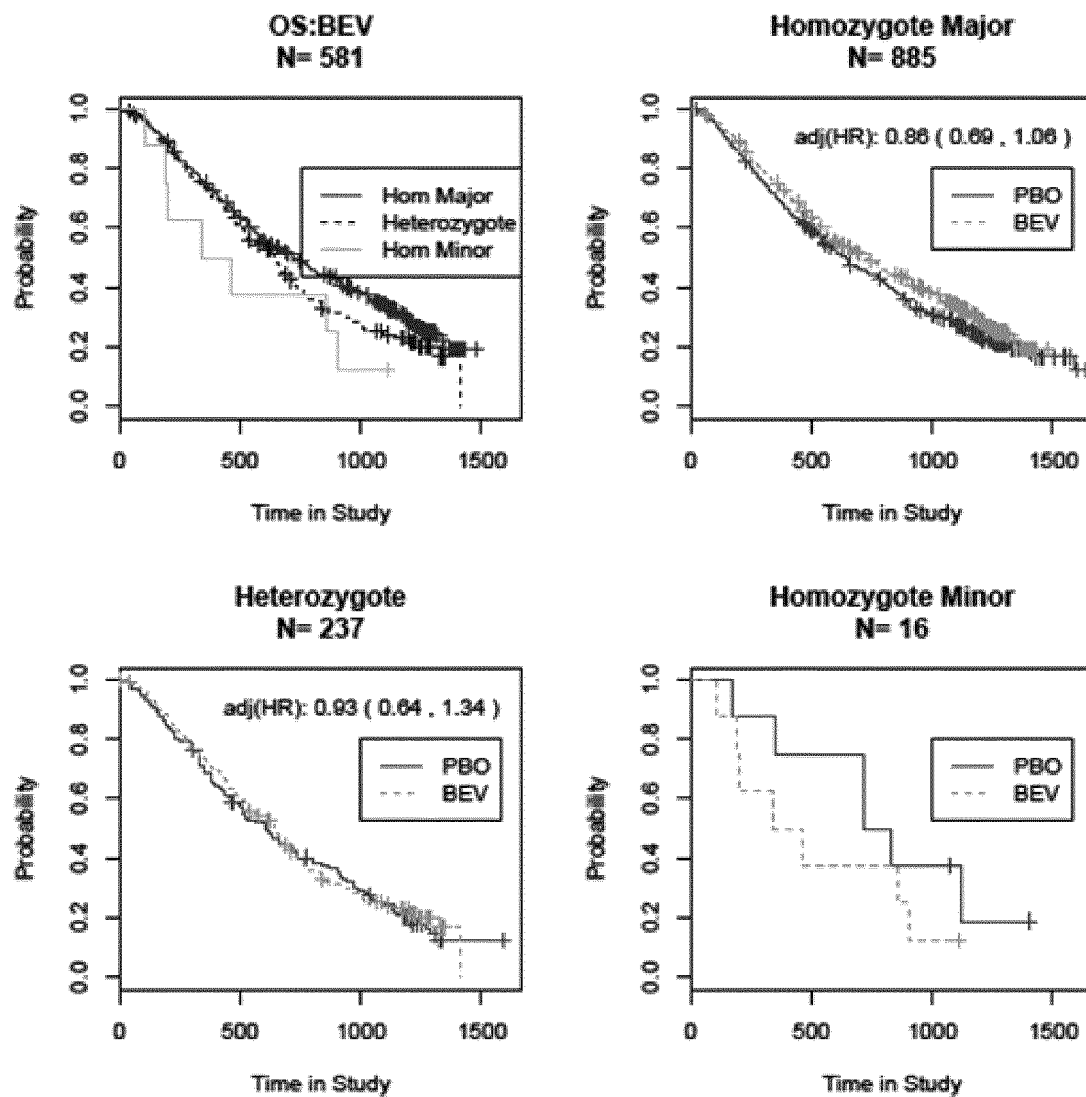


Figure 9

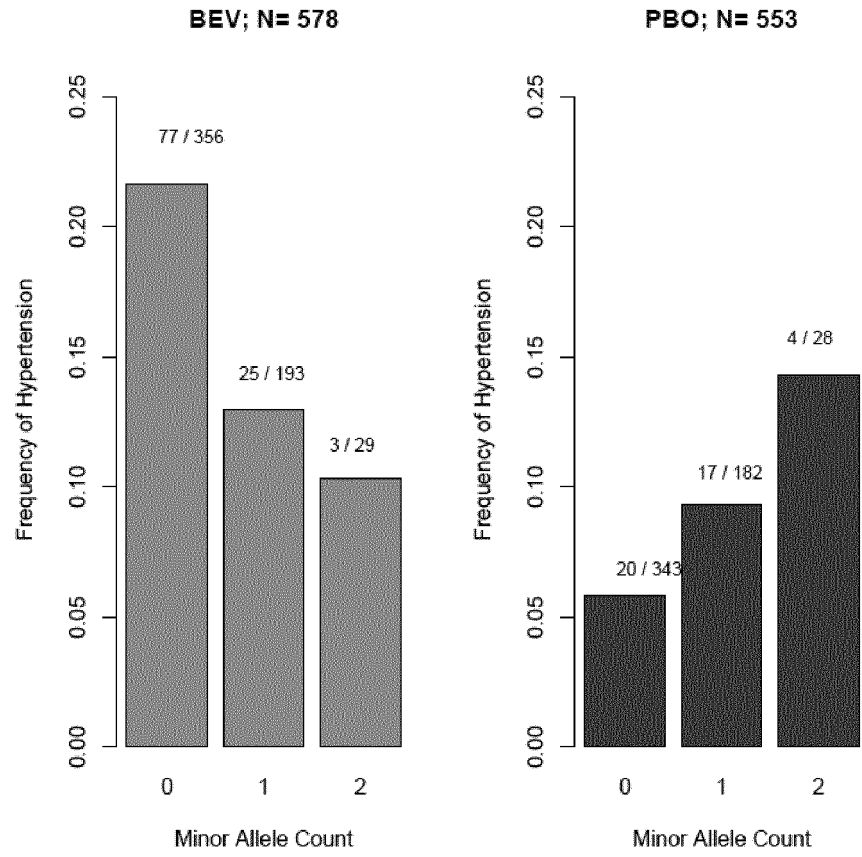
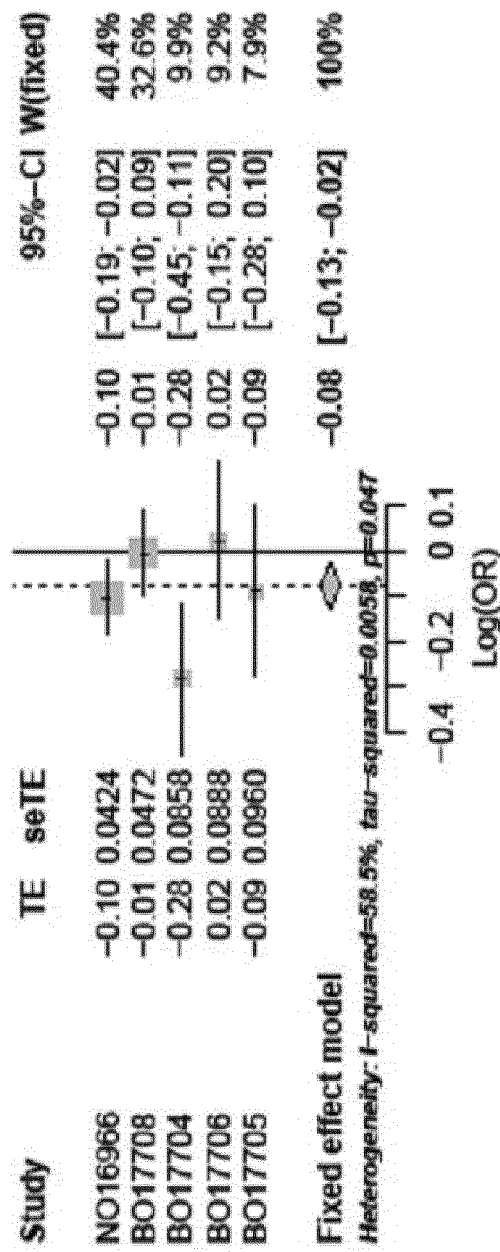


Figure 10



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Figure 11

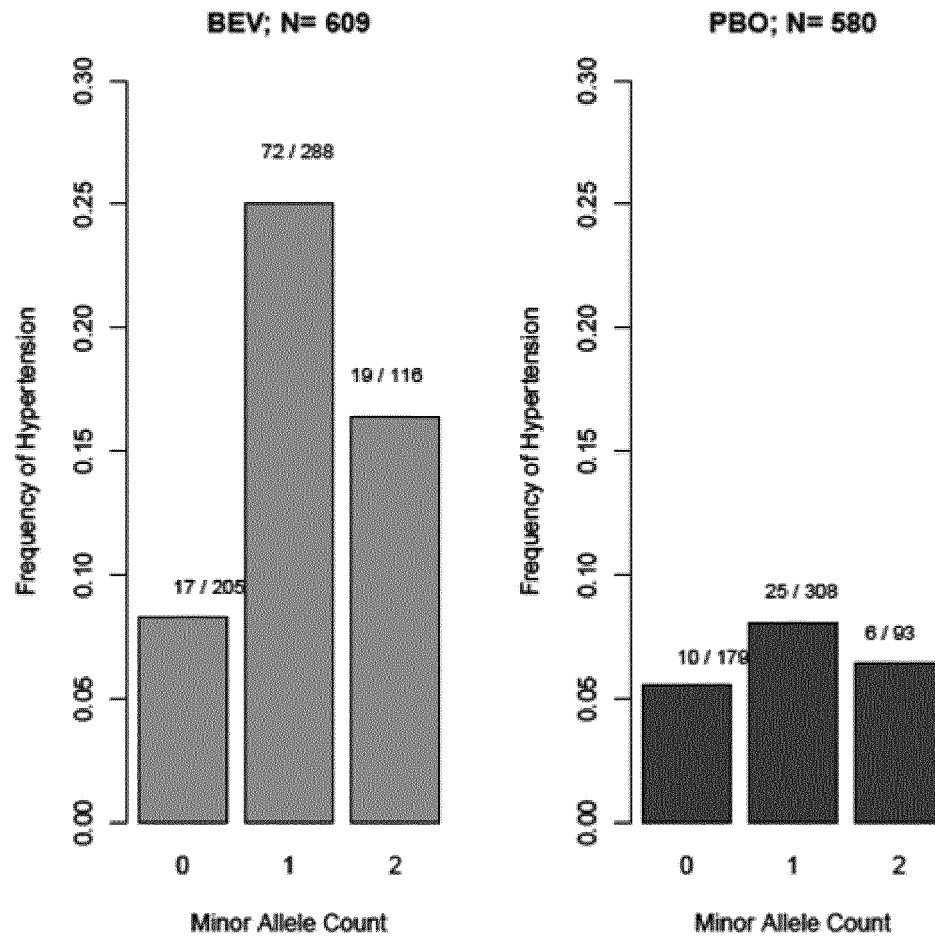


Figure 12

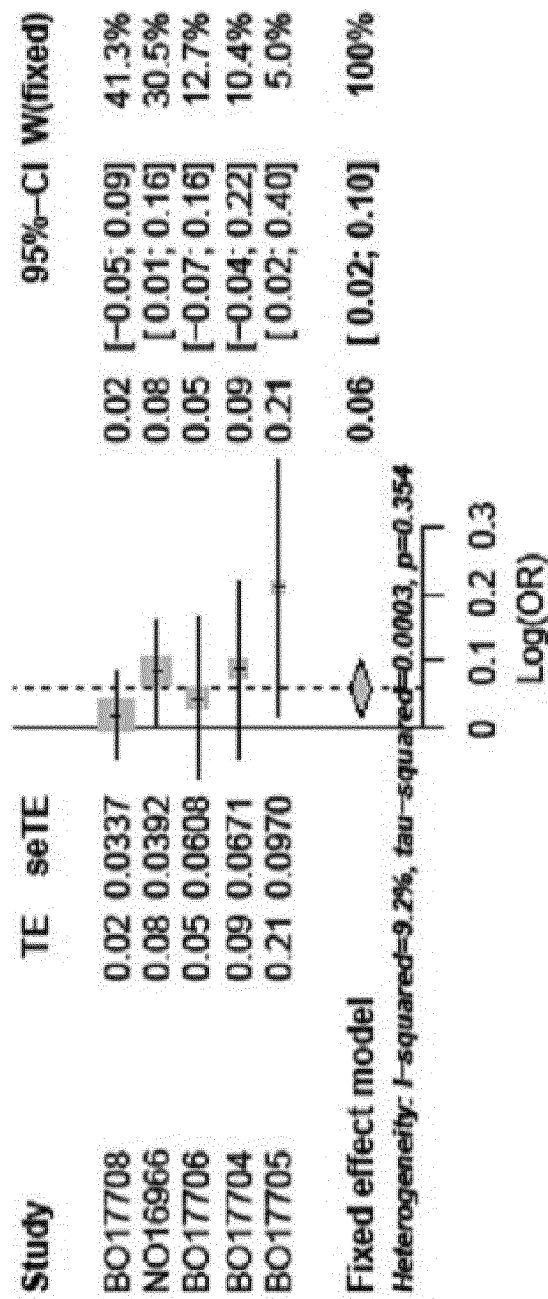


Figure 13

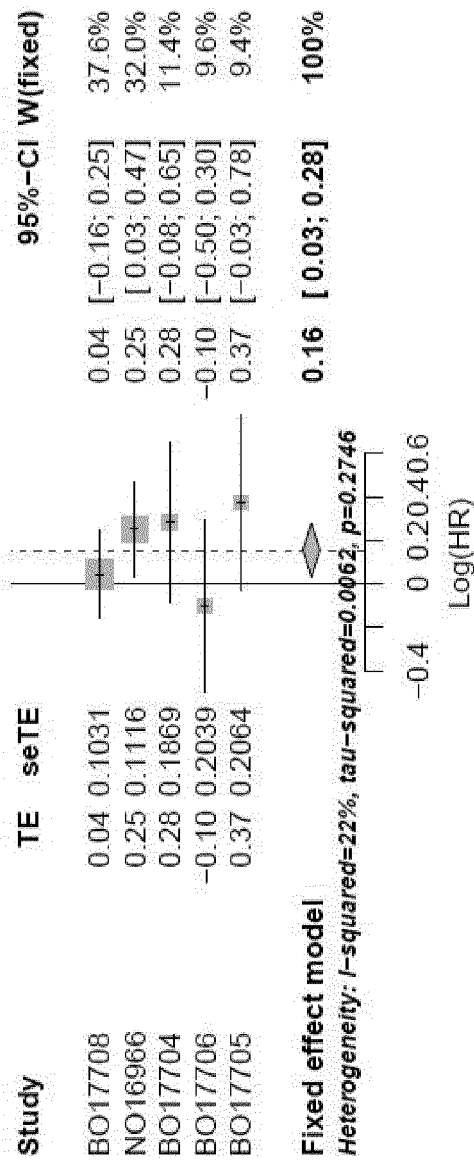


Figure 14

	SNP_ID	Rare diagnostic allele	SEQUENCE
SEQ ID NO:1	rs699946	G	AGCTGGACCTACCACTAGTGTGGCTTGTTTAAATTCTCTGACAGAGACA[A/G]ACTGTCCC GGGGGGCGGGGAAGGCAGTGTGGAGCTCA CCCCTTGAGGGAG
SEQ ID NO:2	rs12505758	C	CTAATAAGCTTATACATTTGAAAATATGTCAA CATATCTCGATGCAATAC[C/T]TGGCATCATA GATTTGGCAGAGTAAGGGACCAAAATCTAGACTTTGAGA
SEQ ID NO:3	rs2305949	T	TCAGAACCCACATCATAAATCCTATACCCCTAGAGCAAGTAAATTGAAAAAA[C/T]AGAACATGA GAGAGCAAATAAGCCTATAACTTTGCACAGATTTATTTTT
SEQ ID NO:4	rs4444903	A	GAGGAATCGTATCTCCATATTTCTTCTTTCA GCCCCCAATCCAA GGGTTGT[A/G]GCTGGAACT TTCCATCAGTTCTTCCTTTCTTTTCTCTCTCTAA GCCTTTG
SEQ ID NO:5	rs11133360	C	GCTTGAATCTCAGAGAGATAACATTTCA CATTGCTATGCCCAACACATC[C/T]CATCAAGCA TTCTCAGAGTGCTTCATAATAGTCAGTCAAAGTGAAGAAAG