

KEY: Blue=DNA Sequence , Green=Primer , Maroon=Mutated Allele

Diseased Allele: Alzheimer's Gene

5' CATAGCGATAGTGATCGTCA 3'
3' GTATCGCTATCACTAGCAGT 5'

Non-Diseased Allele: Alzheimer's Gene

5' CATAGCGACAGTGATCGTCA 3'
3' GTATCGCTATCACTAGCAGT 5'

Diseased Allele: Sickle Cell Gene

5' TCTTCTTGCCAGGTCACCC 3'
3' AGAAGAACCGGTCCAGTGGG 5'

Non-Diseased Allele: Sickle Cell Gene

5' TCTTCTTGCCAGGTCACCC 3'
3' AGAAGAACCGGTCCAGTGGG 5'