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(54) Title: HLA ALLELES ASSOCIATED WITH ADVERSE DRUG REACTIONS AND METHODS FOR DETECTING SUCH

HLA-B*1502^{xxx}exon2+3-546-bp

function intron-245-bp

GCT·CCC·ACT·CCA·TGA·GCT·ATT·TCT·ACA·CCG·CCA·TGT·CCC·GGC·CCG·GGC·GGG·AGC·CCC·GCT·TCA·TCG·CAG·TGG·
GCT·ACG·TGG·ACG·ACA·CCC·AGT·TGG·TGA·GCT·TGG·ACA·GGC·ACG·CCG·CGA·GTC·CCA·GGA·TGG·CGC·CCC·GGG·CGC·CAT·
GGA·TAG·AGC·AGG·AGG·GGC·CCG·AGT·ATT·GGG·ACC·GG¹(A·C)·A·CAC·AGA·TCT²(CCA·AGA)·CCA·ACA·CAC·AGA·CTT·ACC·GAG·
AGA·GCC·TGC·GGA·AGC·TGC·GGC·GCT·ACT·ACA·ACC·AGA·GGC·AGG·CCG·GCT·CTC·ACA·TCA³·TCC·AGA·GGA·TGT·A⁴(T)G·
Contain 245 bp in the bahuk region (not listed in detail)
GCT·GGC·ACG·TGG·GGC·CCG·ACG·GGC·GGC·TCC·TCC·GGC·CGT⁵(T)·ATG·ACC·AGT·CCG·CCT·ACG·ACG·GCA·AGG·ATT·ACA·TCG·CCC·
TGA·ACG·AGG·ACC·TGA·GCT·CCT·GGA·CCG·CCG·CCG·ACA·CCG·CCG·CTC·AGA·TCA·CCC·AGC·GCA·ACT·GGG·AGG·CCG·CCC·
GTC·AGG·CCG·AGC·AG⁶(CT)GA·GAG·CCT·ACC·TGG·AGG·GGC·TGT·GGC·TGG·AGT·GGC·TCC·GCA·GAT·ACC·TGG·ACA·ACG·GGA·AGG·
ACA·CCG·TGC·AGC·GGC·CCG·

(57) Abstract: This invention relates to a method of determining the presence of certain HLA alleles, such as HLA-B*1502 or HLA-B*5801, and a kit for carrying out this method. Also disclosed is a method for assessing whether a patient is at risk for developing adverse drug reactions (e.g., Stevens-Johnson syndrome, toxic epidermal necrolysis, or hypersensitivity syndrome) based on the presence or absence of a genetic marker (e.g., HLA-B*1502, HLA-B*5801, or HLA-B*4601).

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