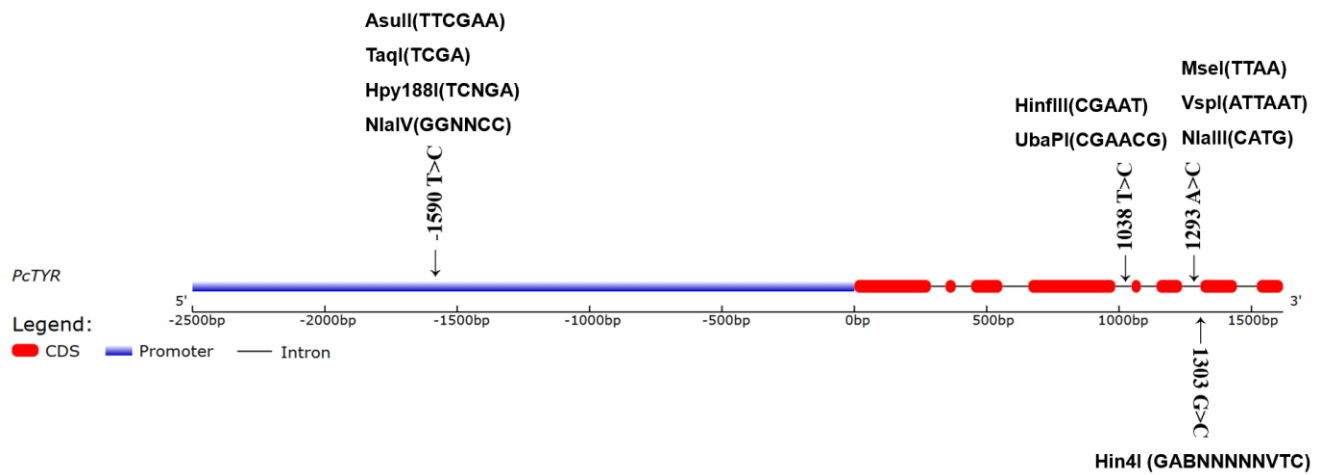


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Note: The upper case letters represent the exons and the lower case letters represent the introns. The grey shading represents the promoter region. The red letters represent the mutation sites. The superscript character represents the base in the white strain.



**Figure S1.** Four SNPs in white and non-white strains and the cleavage sites present at each SNP. What we chose in the experiment was the common, cheap, and easy to operate marker development. dCAPS labeling development requires the introduction of one or two mismatched bases, and the restriction sites can be modified and selected in the dCAPS Finder 2.0 website.