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ABBREVIATIONS AND SYMBOLS

| | |
|--------------------|--|
| α | alpha |
| β | beta |
| bp | base pairs |
| $^{\circ}\text{C}$ | degree celsius |
| δ | delta |
| dNTPs | deoxynucleotide triphosphates |
| DNA | deoxyribonucleic acid |
| DW | distilled water |
| ϵ | epsilon |
| EtOH | ethyl alcohol |
| EDTA | ethylenediamine tetraacetic acid |
| FC | F cell |
| FITC | fluorescence isothiocyanate |
| γ | gamma |
| g/dl | gram/decilitre |
| Hct | hematocrit |
| Hb | hemoglobin |
| HbCS | hemoglobin Constant Spring |
| HbE | hemoglobin E |
| HPLC | high performance liquid chromatography |
| HS 1-5 | hypersensitive site 1-5 |
| HS-40 | hypersensitive site-40 |
| IVS | intervening sequence |
| Kb | kilobase |

| | |
|-------------------|---|
| LCR | locus control region |
| MgCl ₂ | magnesium chloride |
| Mg ⁺⁺ | magnesium ion |
| μl | microlitre |
| μM | micromolar |
| ml | millilitre |
| mM | millimetre |
| mM | millimolar |
| min | minute |
| MS-PCR | mutagenically separated polymerase chain reaction |
| ng | nanogram |
| nm | nanometre |
| OD | optical density |
| % | percent |
| PBS | phosphate buffered saline |
| PCR | polymerase chain reaction |
| KCl | potassium chloride |
| ψ | pseudo |
| rpm | revolution per minute |
| NaOAc | sodium acetate |
| SEA | southeast asian |
| TSR | template suppression reagent |
| θ | theta |
| UTR | untranslated region |
| v/v | volume by volume |
| ζ | zeta |