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(54) Title: PRIMERS AND ASSAYS FOR LINKING REGIONS USING POLYMERASES

(57) Abstract: Particular forward and reverse primers may be used to link distant regions of the same large DNA molecule into a smaller DNA molecule. A reverse primer R1 can have a first portion complementary to an ending sequence of region A and can have a second portion having an overlapping sequence. A forward primer F2 can have a first portion complementary to a starting sequence of region B, where the forward primer includes a complementary overlapping sequence (e.g., the same first portion or a second portion) that is complementary to the overlapping sequence. The first portion of F2 may be the entire primer. The smaller DNA molecules can be used to determine haplotypes of regions. Kits including the particular forward and reverse primers are also described.



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