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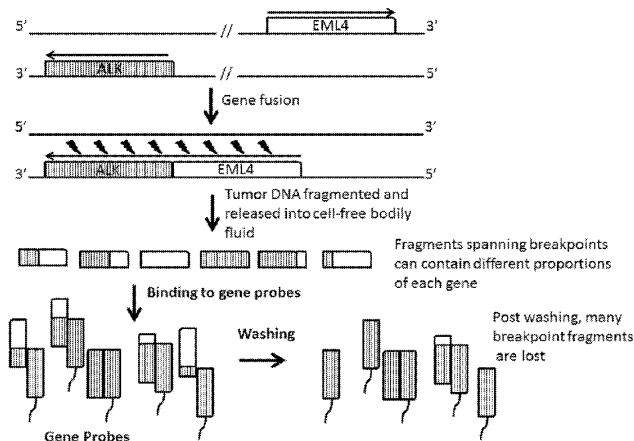
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(54) Title: LOCKED NUCLEIC ACIDS FOR CAPTURING FUSION GENES

FIGURE 1



(57) Abstract: Provided herein is a method for enriching a sample for polynucleotides comprising a breakpoint of a fusion gene, comprising: a) contacting a probe set comprising a plurality of polynucleotide probes, each probe configured to specifically hybridize to a fusion gene, wherein the set comprises one or more high affinity polynucleotide probes (e.g., a polynucleotide comprising one or more locked nucleic acid nucleotides), with a mixture of polynucleotides under hybridization conditions to produce probe-captured polynucleotides; and b) isolating the probe-captured polynucleotides from the mixture, to produce a sample enriched with polynucleotides comprising breakpoint fragments of the fusion gene.