

FIGURE 1

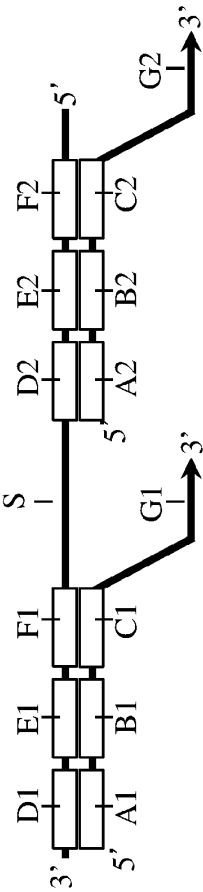


FIGURE 2

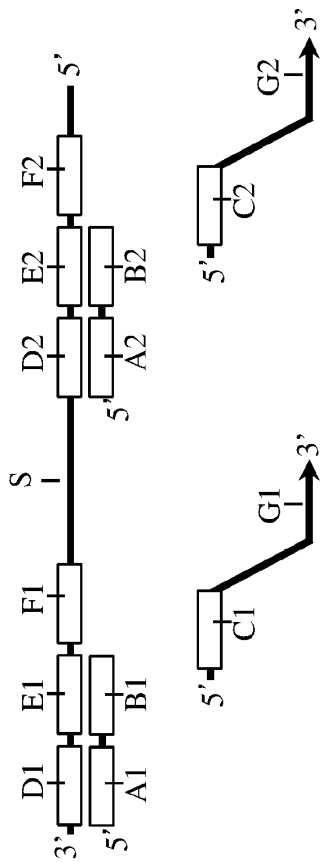


FIGURE 3

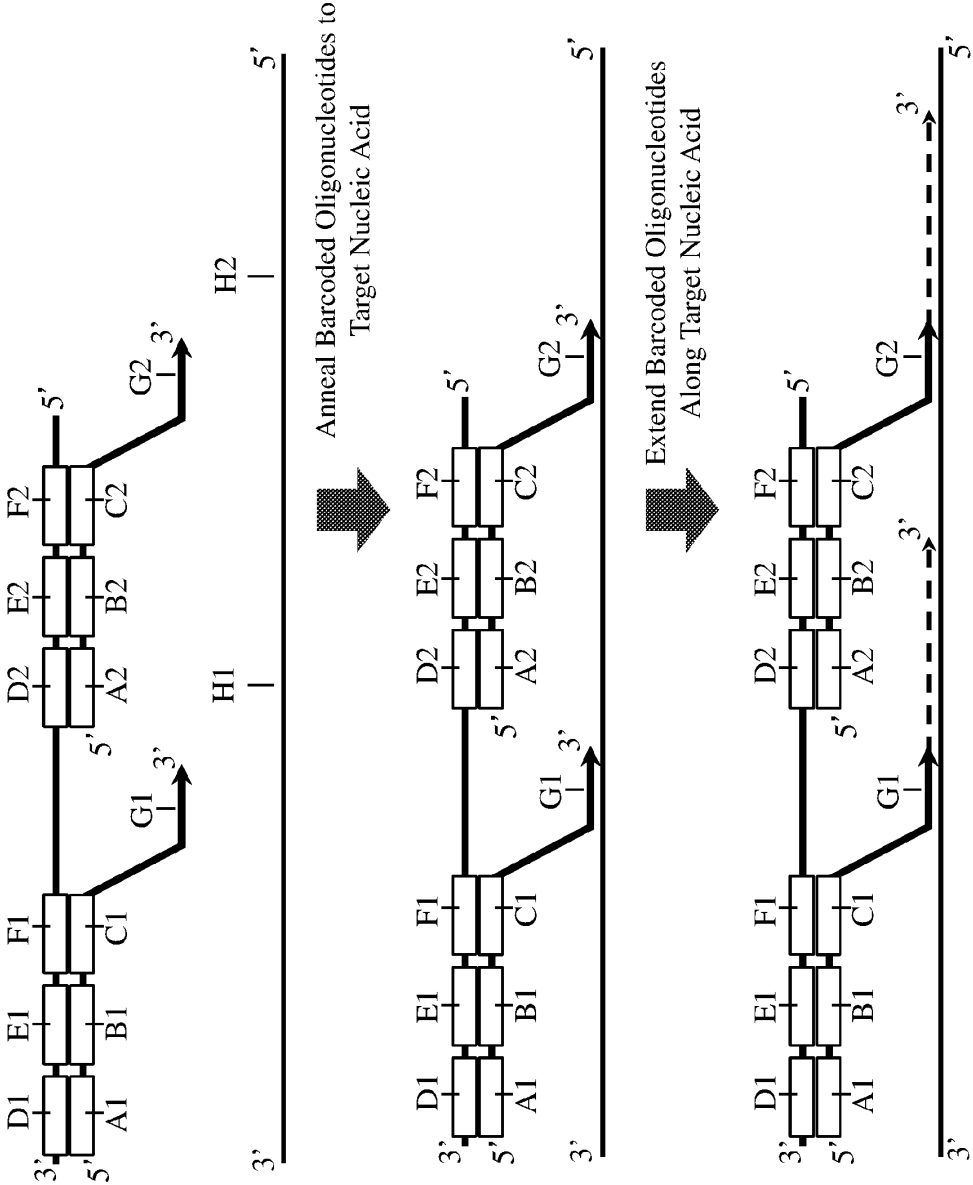


FIGURE 4

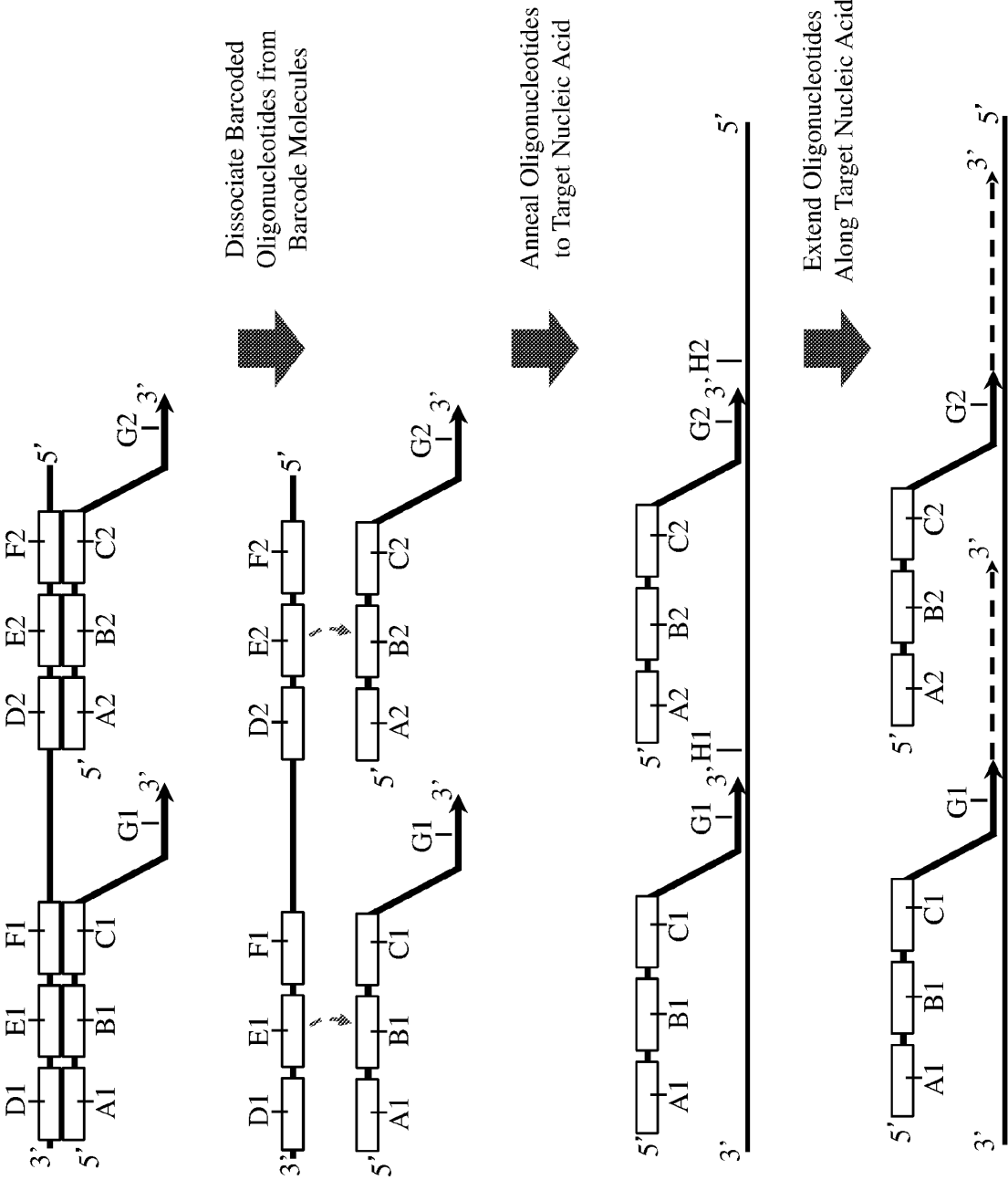


FIGURE 5

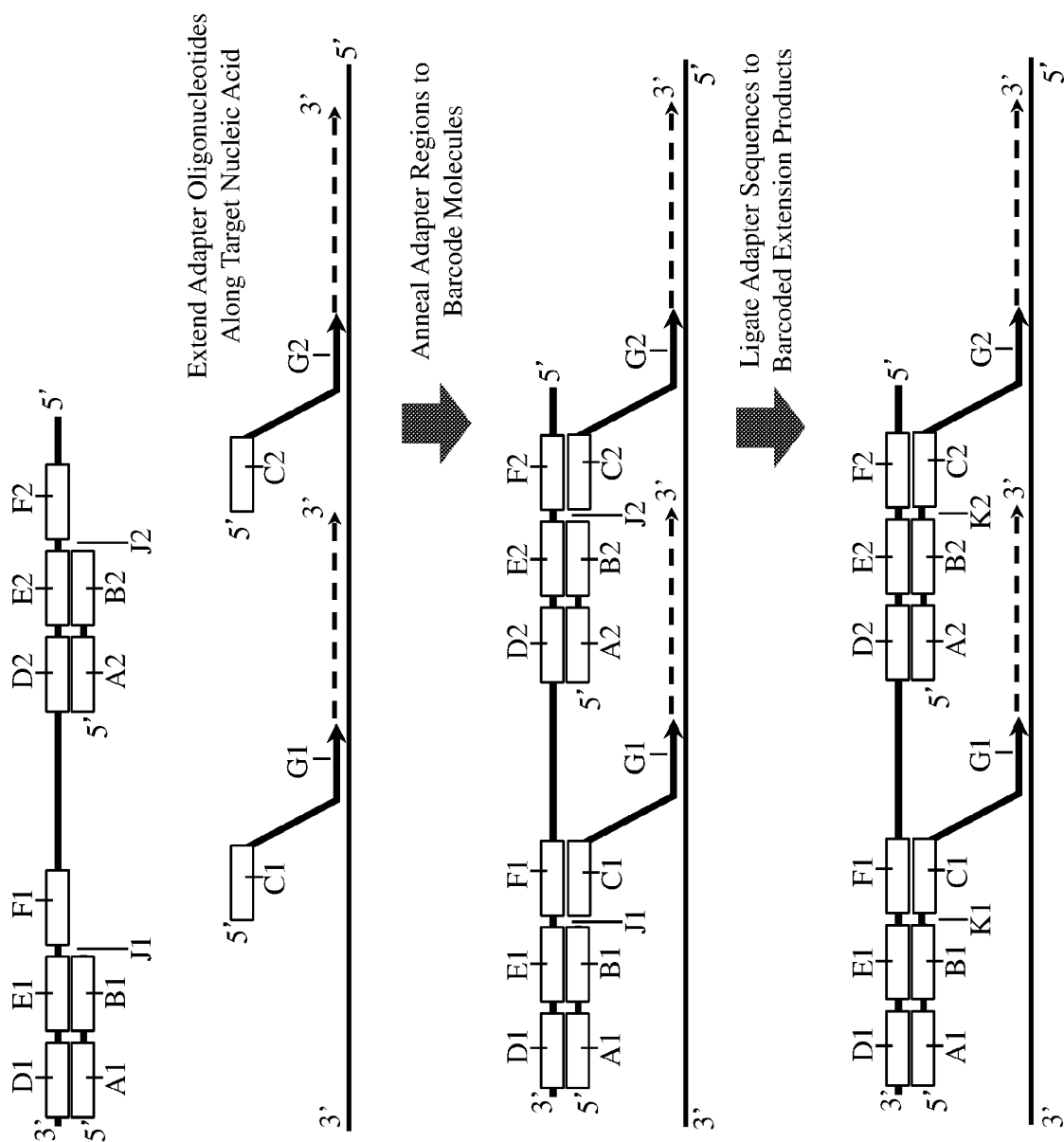


FIGURE 6

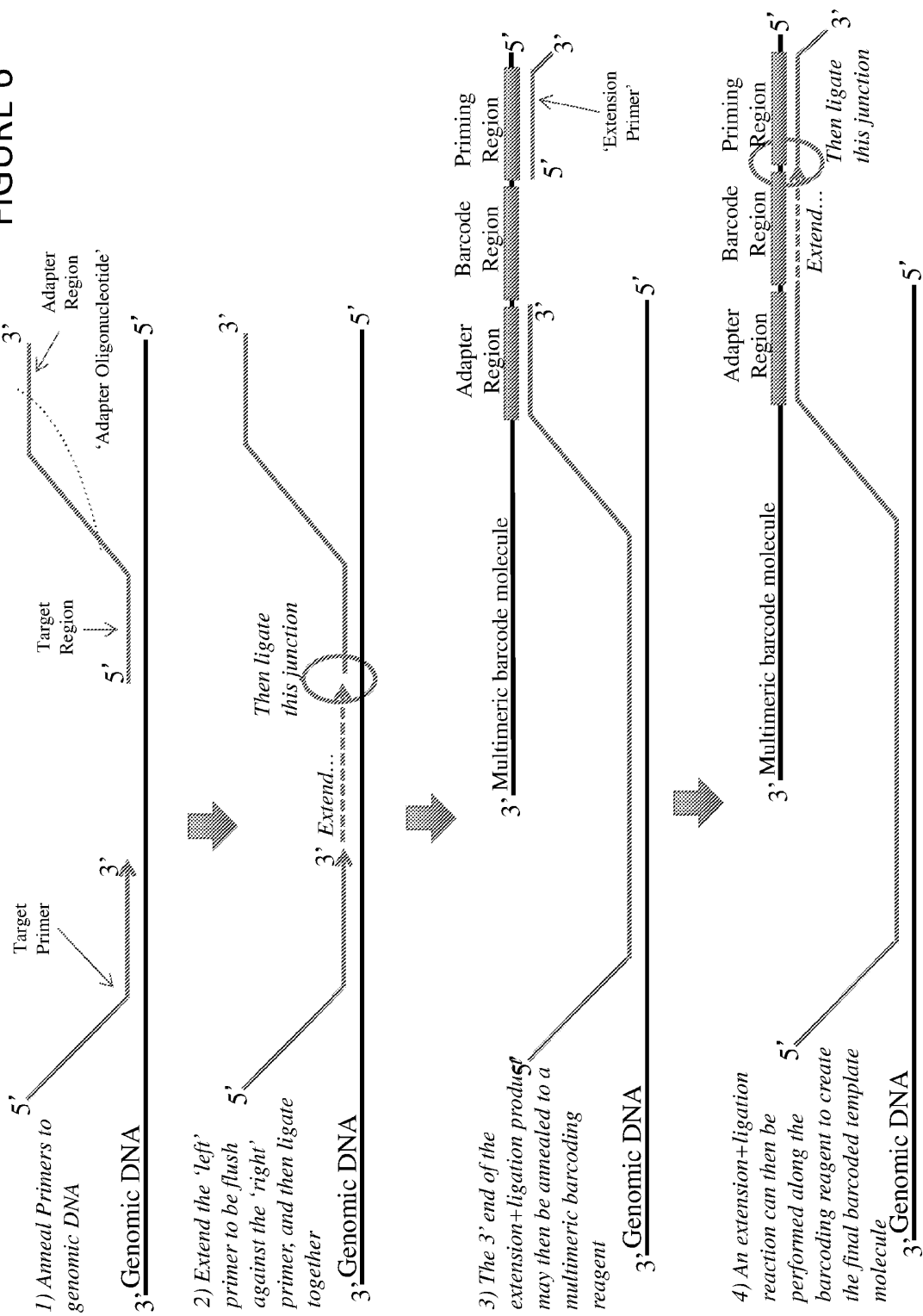


FIGURE 7

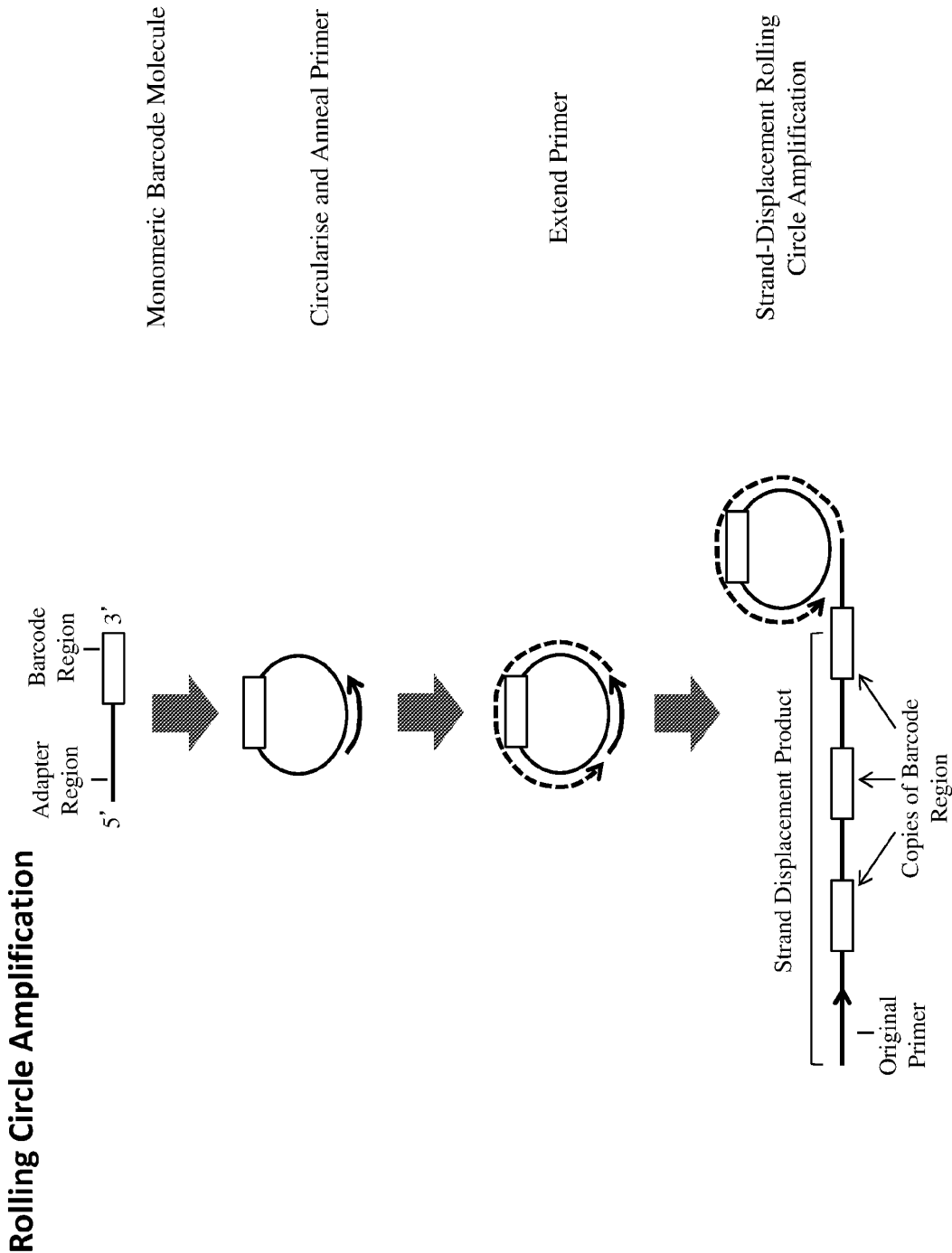


FIGURE 8

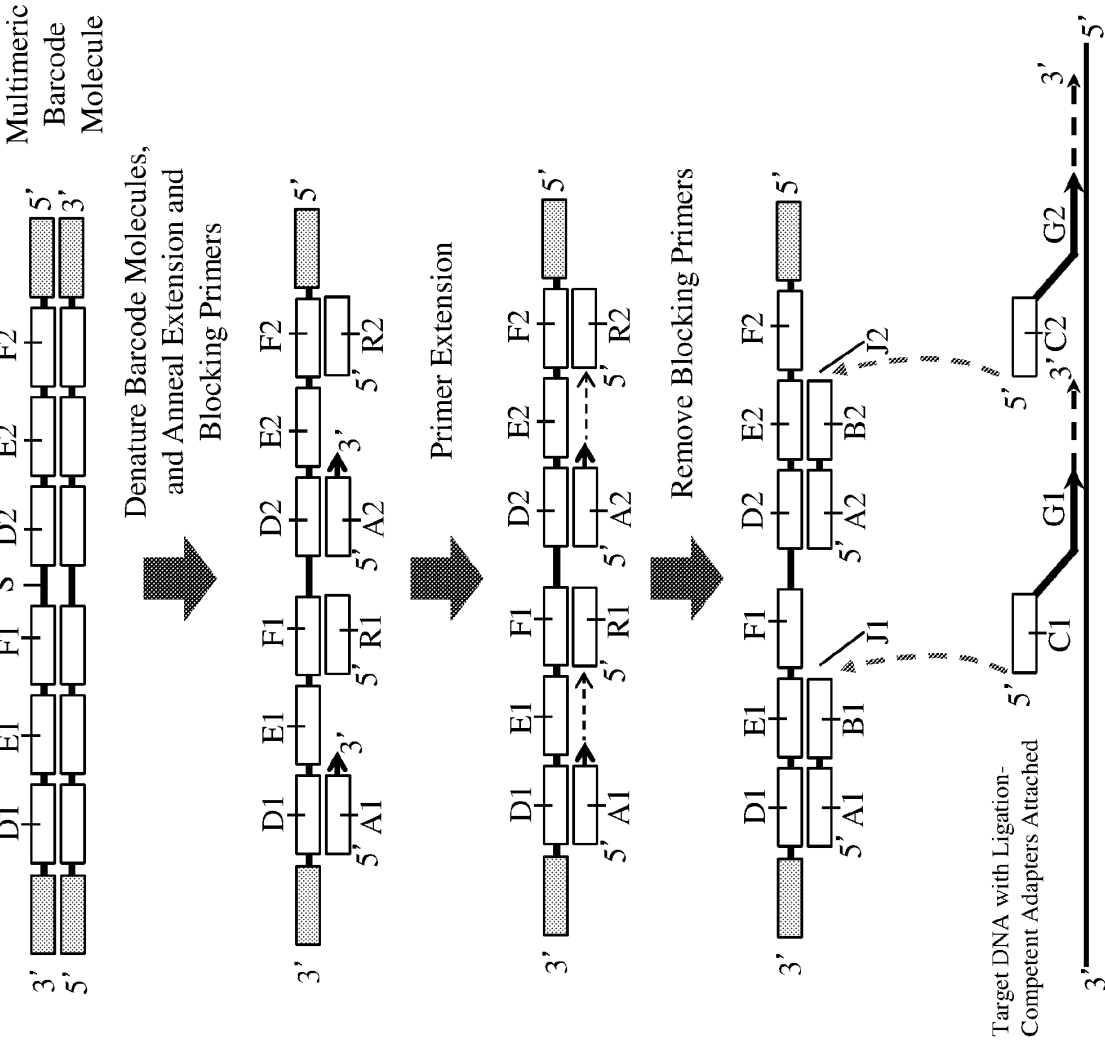


FIGURE 9

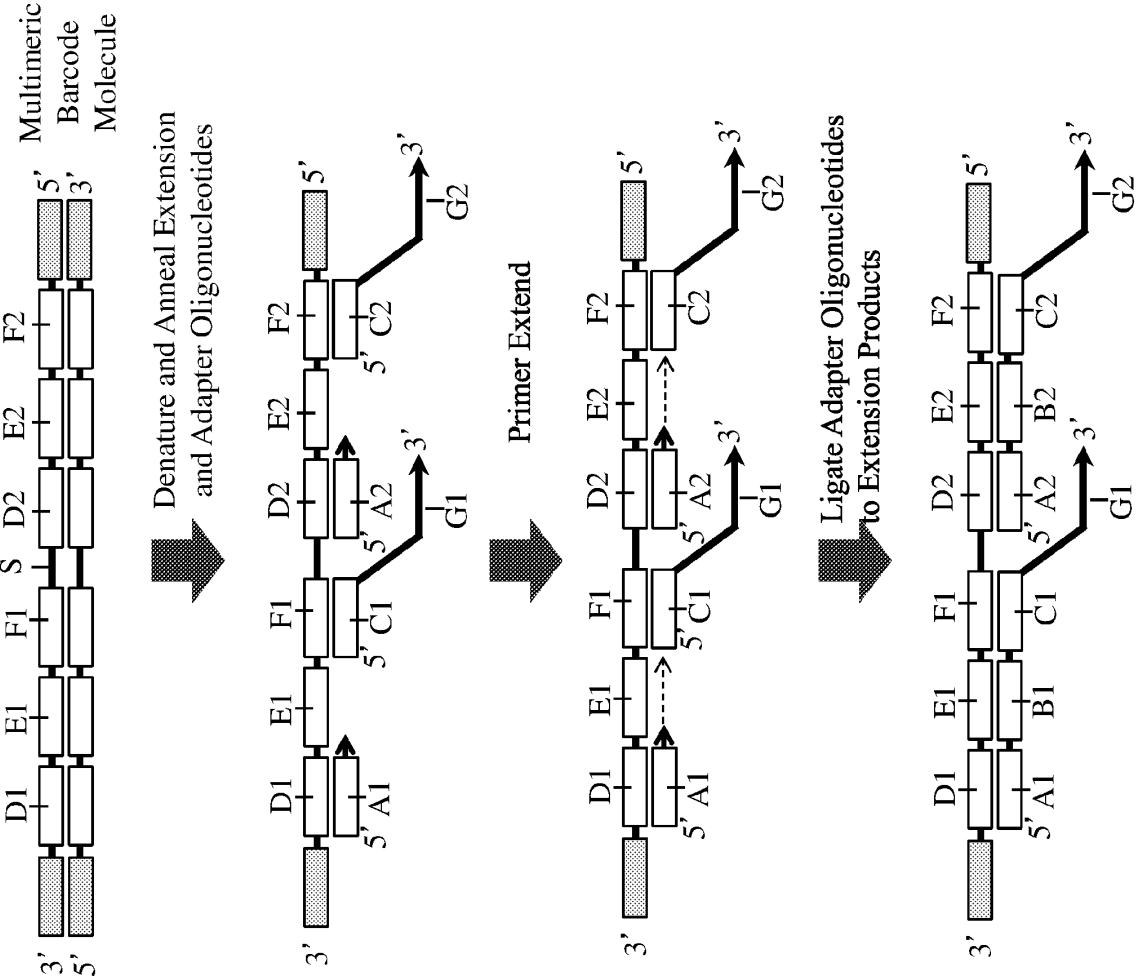


FIGURE 10

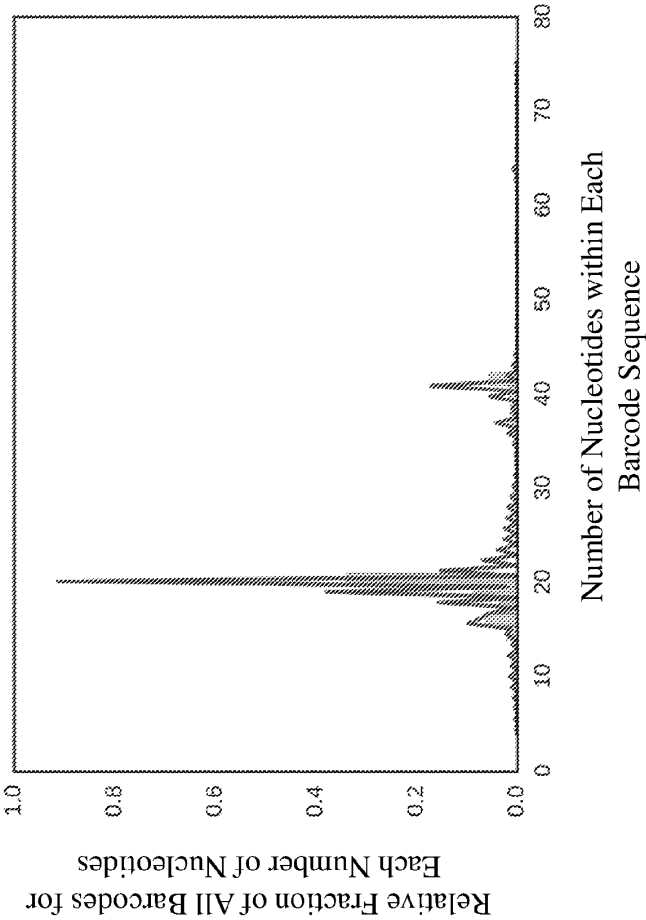


FIGURE 11

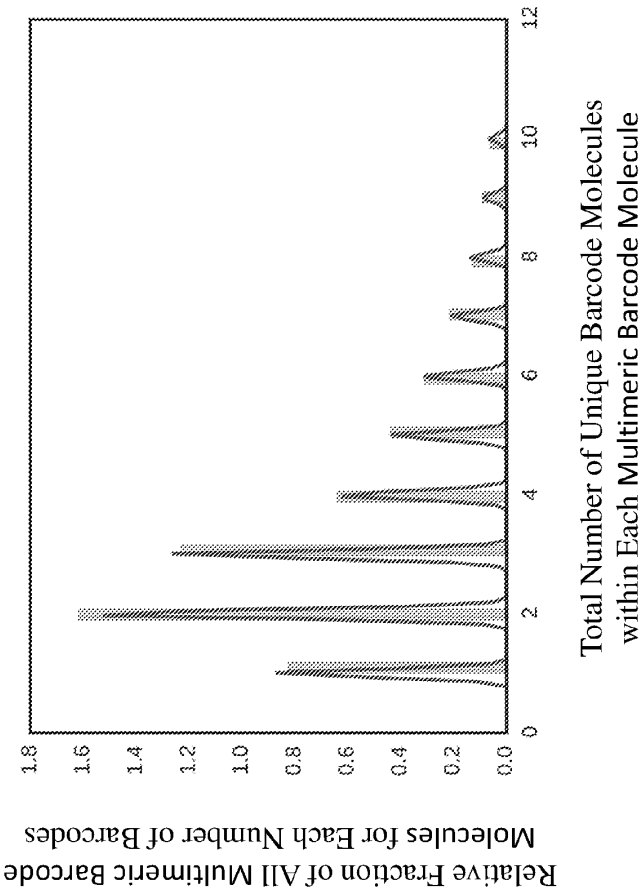


FIGURE 12

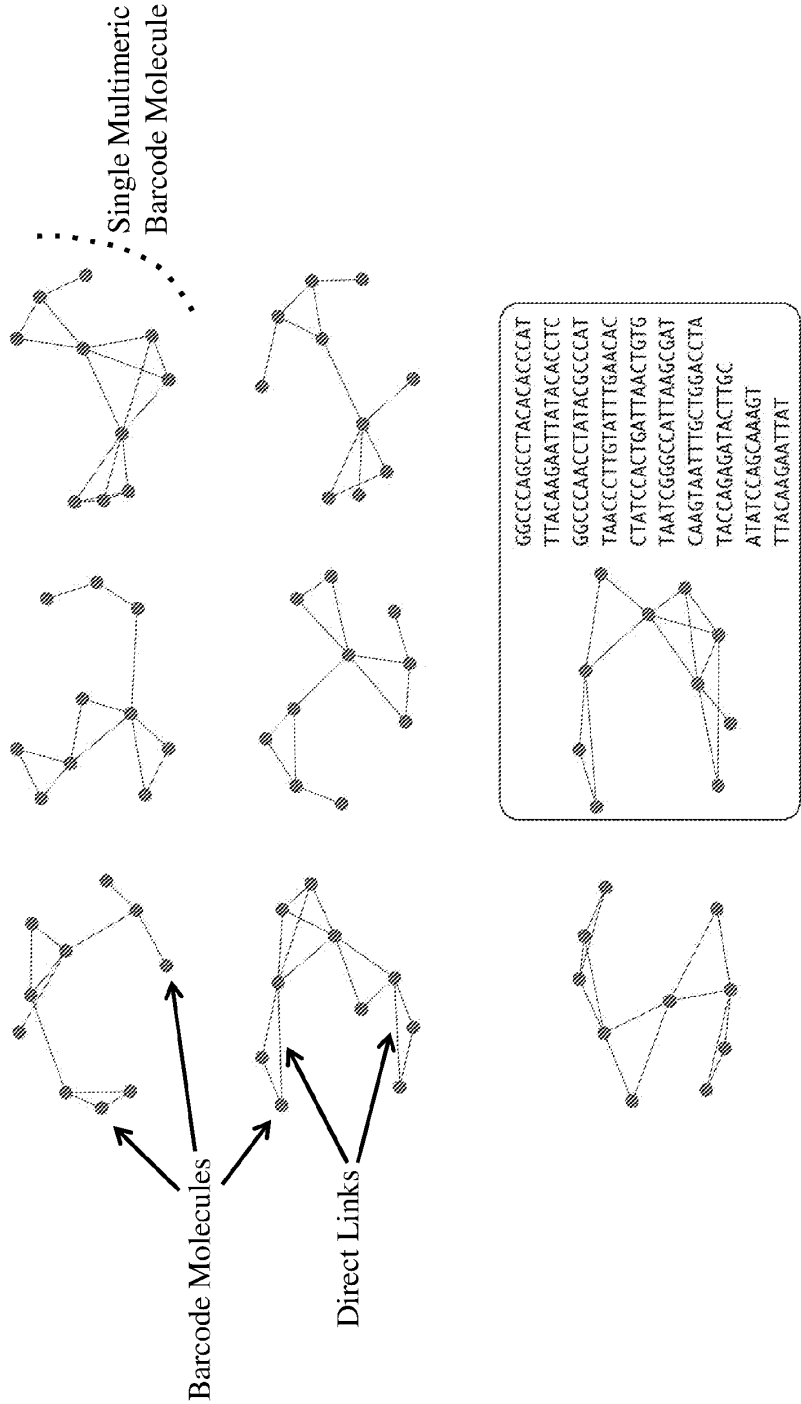


FIGURE 13

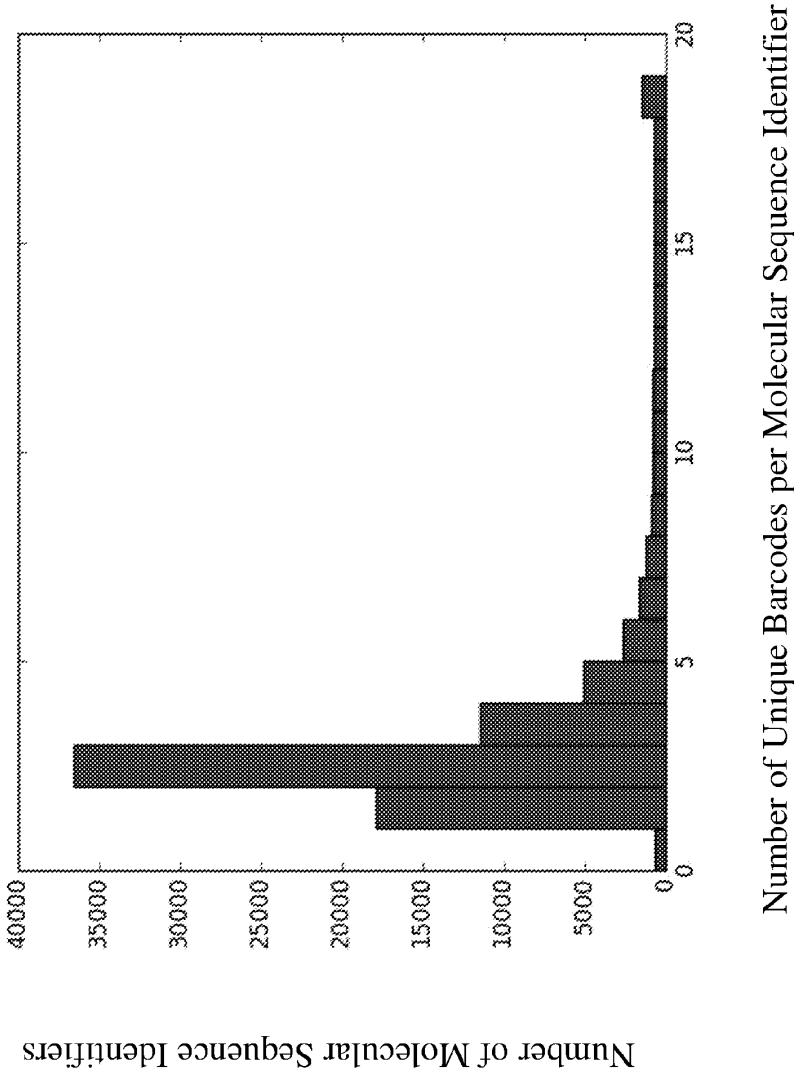


FIGURE 14

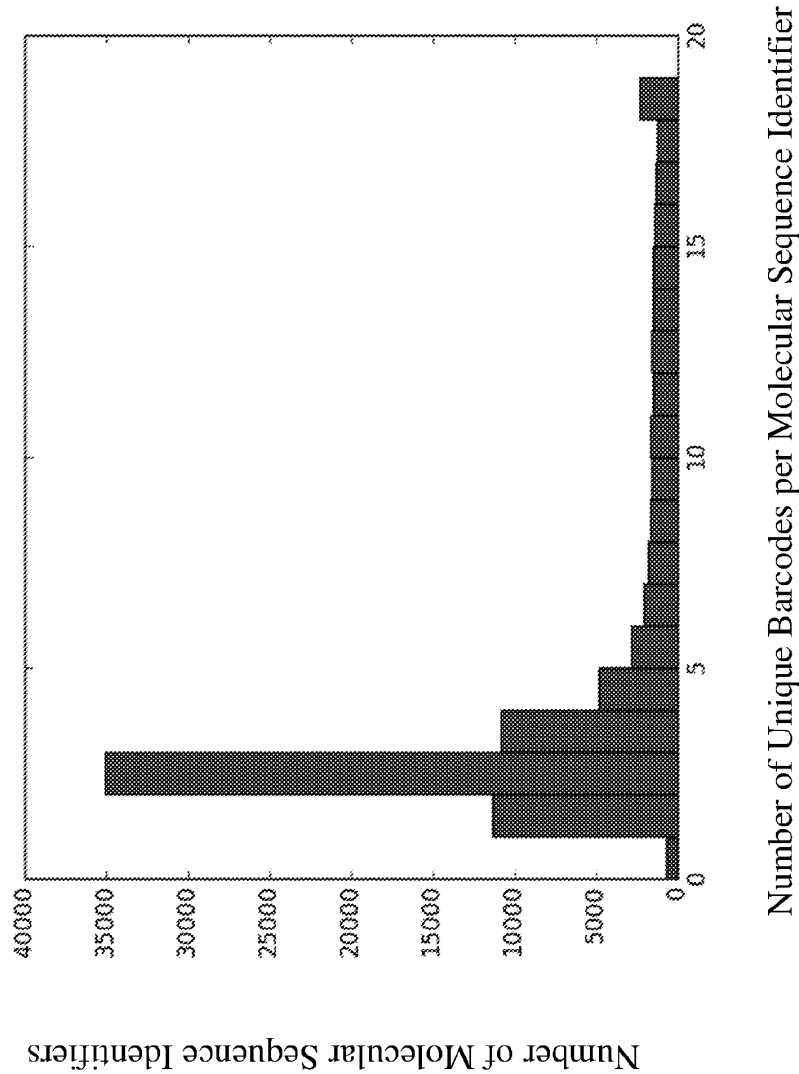


FIGURE 15

	Annealed to Genomic DNA Overnight	Annealed to Genomic DNA Overnight; Barcoding Reagents Denatured First	Annealed to Genomic DNA for 3 Hours	Annealed to Genomic DNA for 3 Hours; Barcoding Reagents Denatured First
HLA-A_ Exon2	153	62	103	50
HLA-A_ Exon3	2548	341	818	106
HLA-A_ Exon4	489	235	400	108
DQB1_ Exon2	557	627	285	635
DQB1_ Exon3	2186	1614	1085	221
BRCA1_US1	1771	941	1047	544
BRCA1_SNP7	2524	1261	90	43
BRCA1_SNP6	731	537	245	339
BRCA1_SNP1	10033	5787	2905	1813
BRCA1_DS1	4	103	5	0
BRCA_AMP6	81	69	37	24
BRCA_AMP7	731	391	40	472

On-Target Fraction:

81
%76
%82
%70
%

FIGURE 16

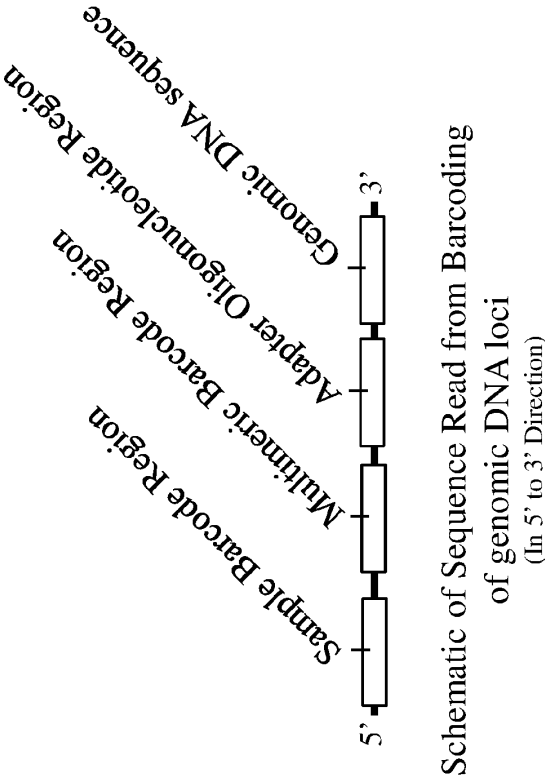


FIGURE 17

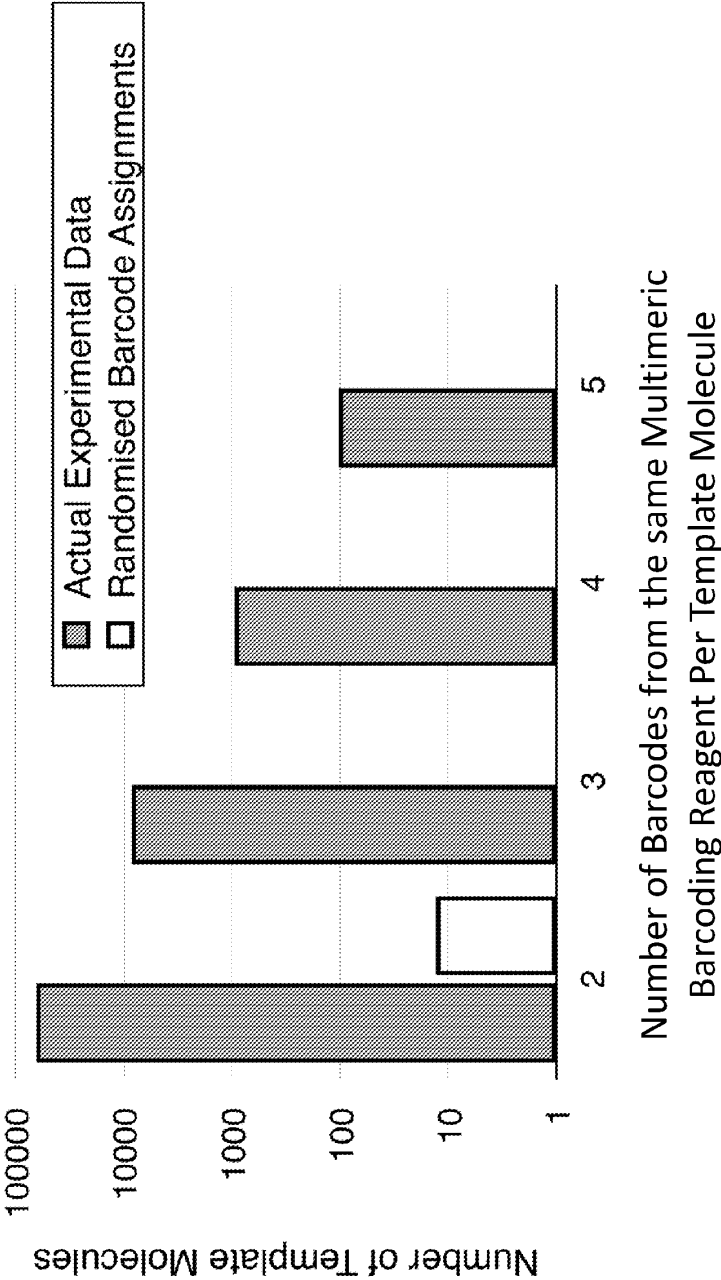
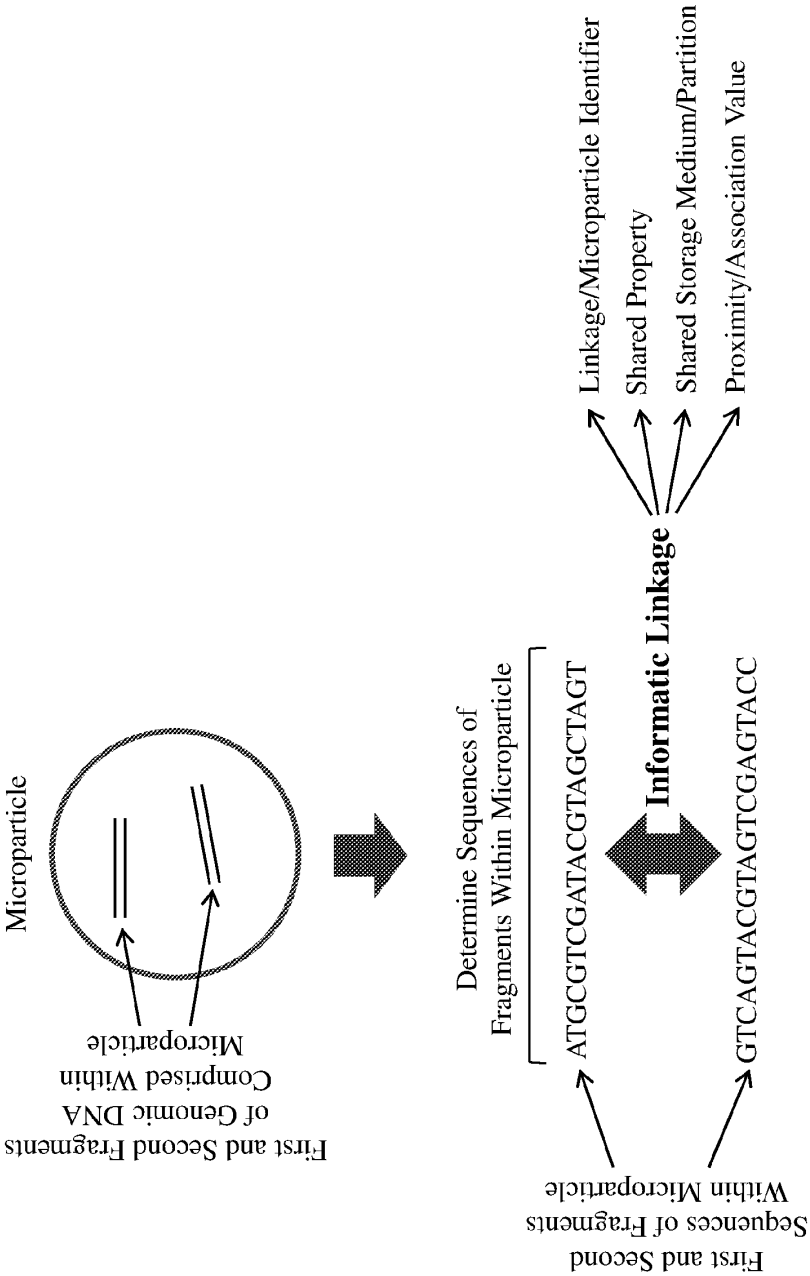
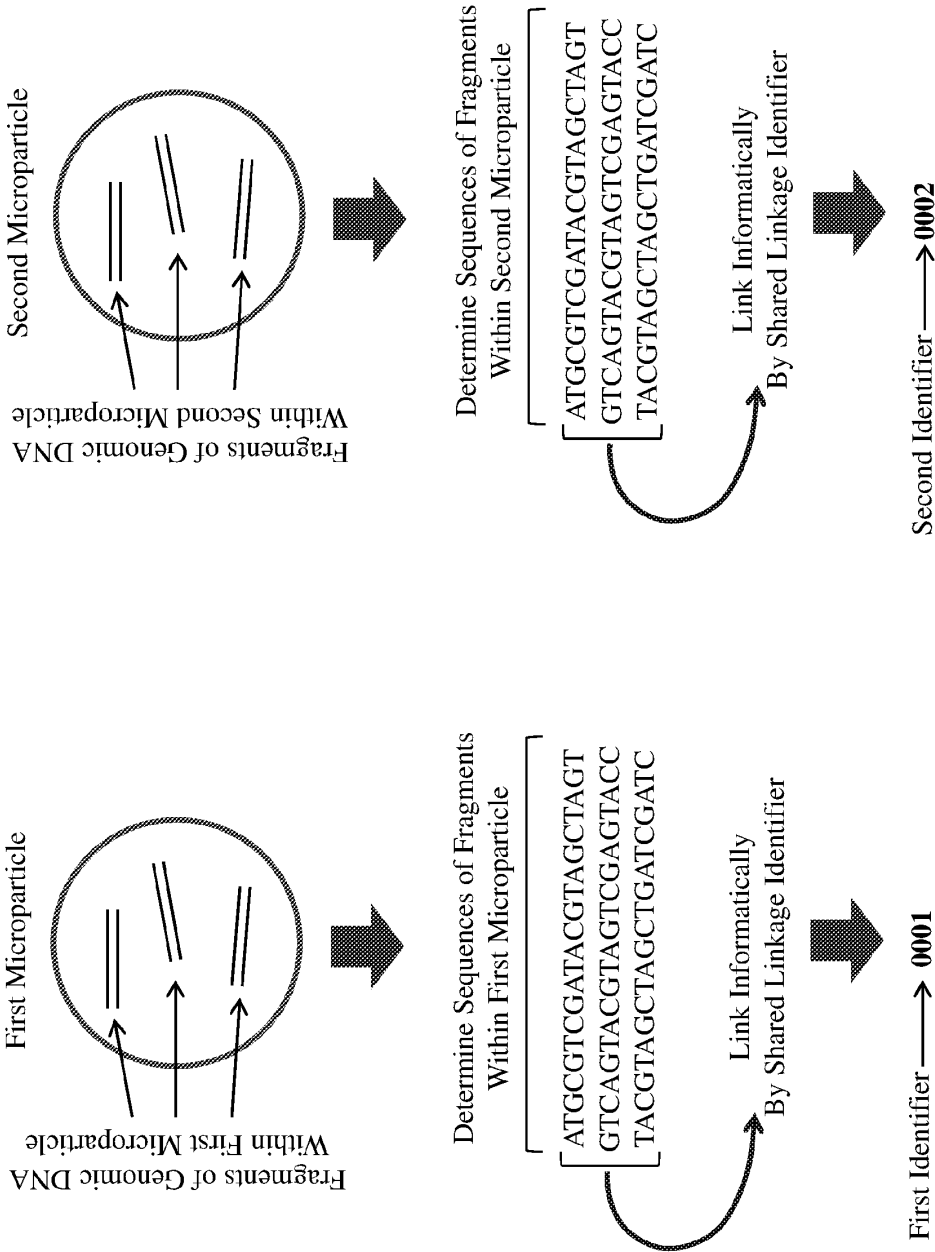


FIGURE 18

Overall Features linking

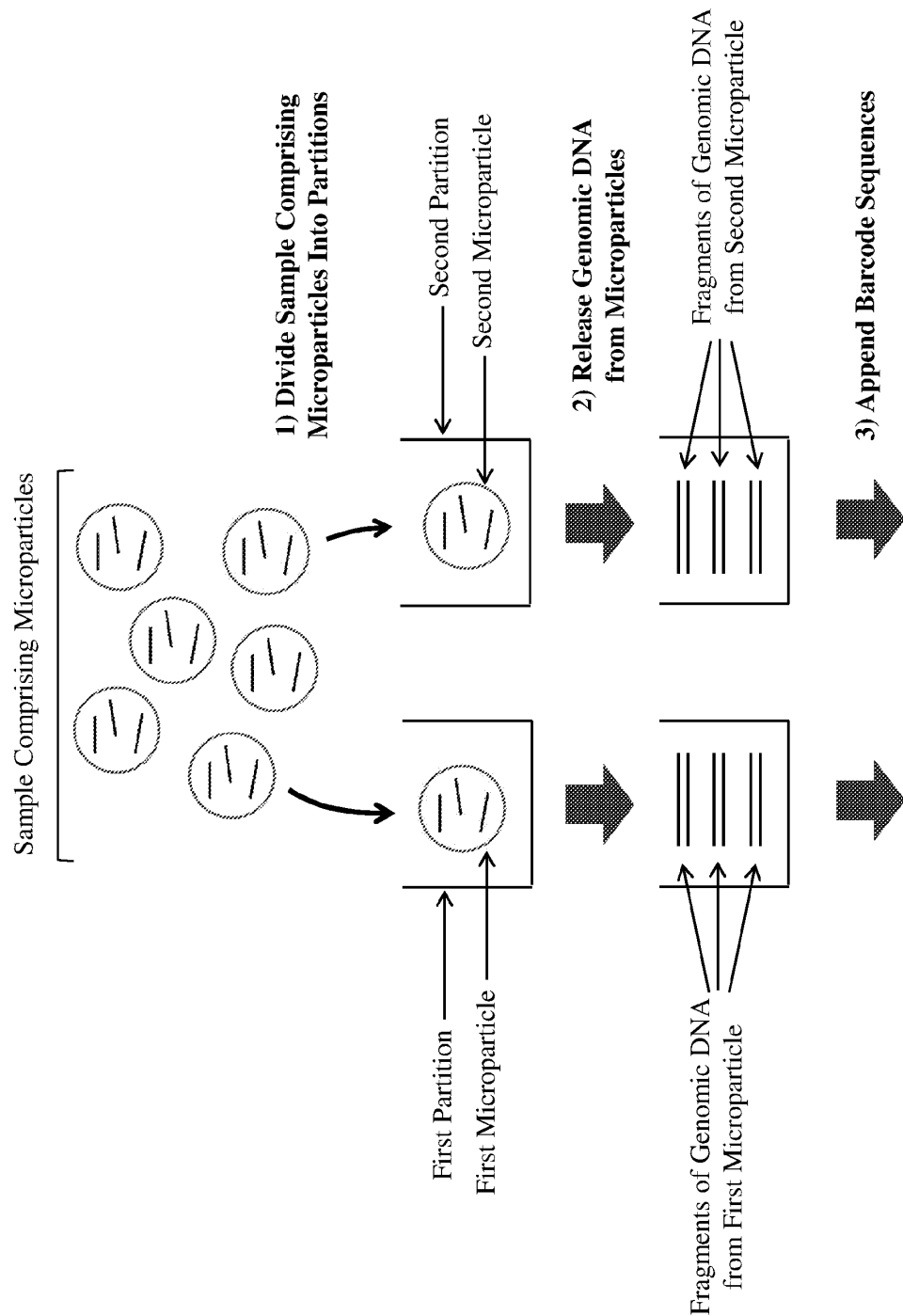


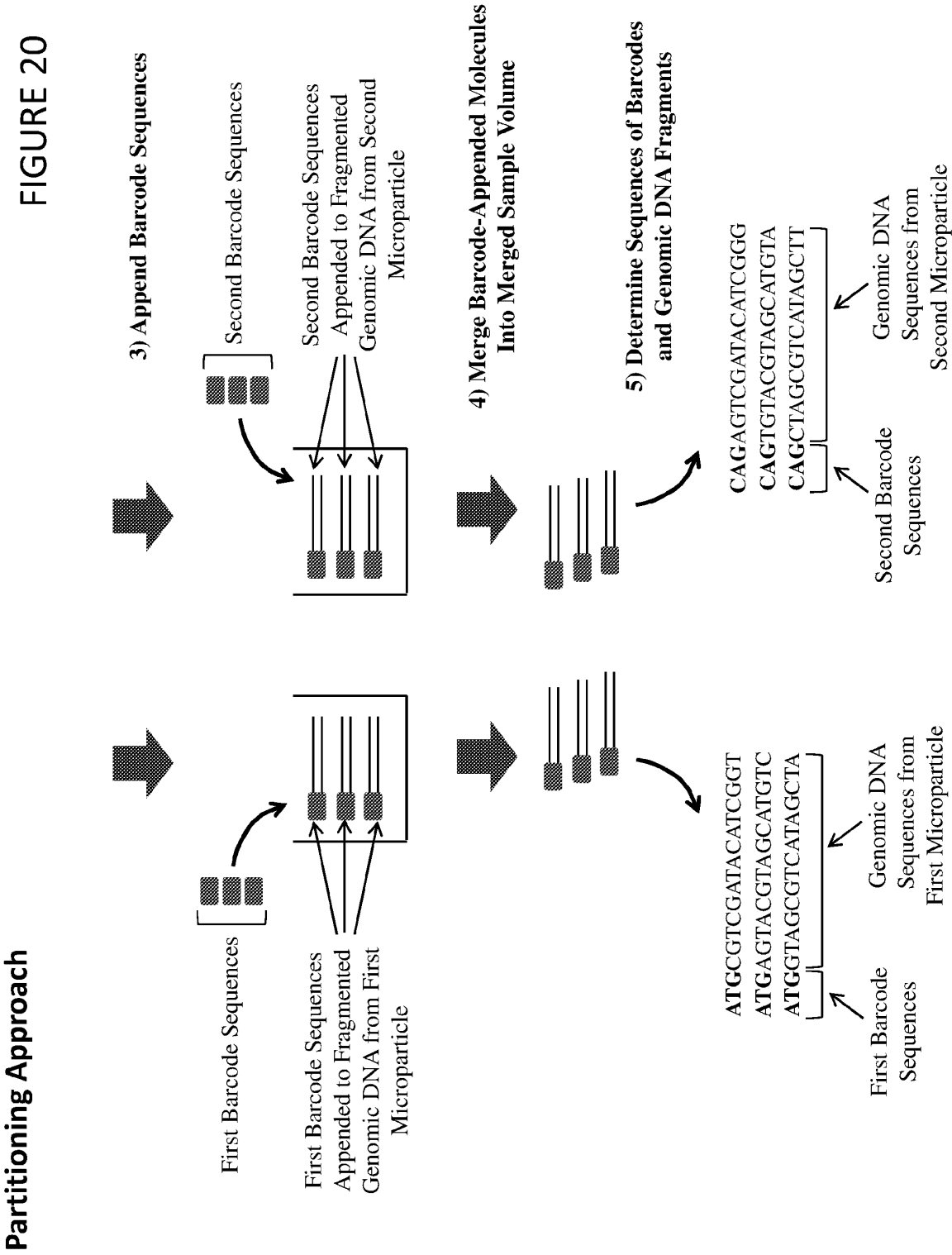
Informatic Linkage by Shared Identifiers **FIGURE 19**



Partitioning Approach

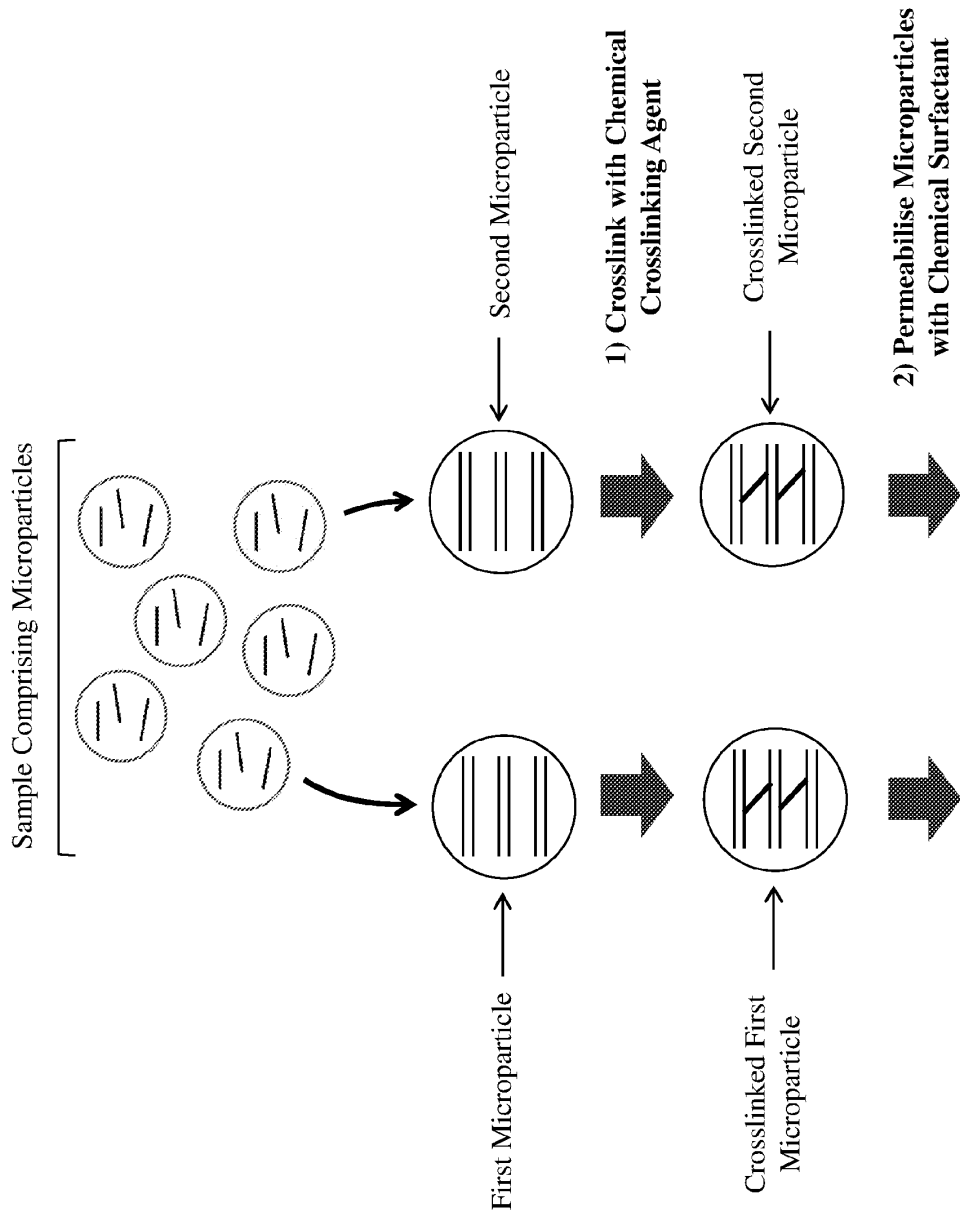
FIGURE 20





Multimeric Barcoding Reagent Approach

FIGURE 21



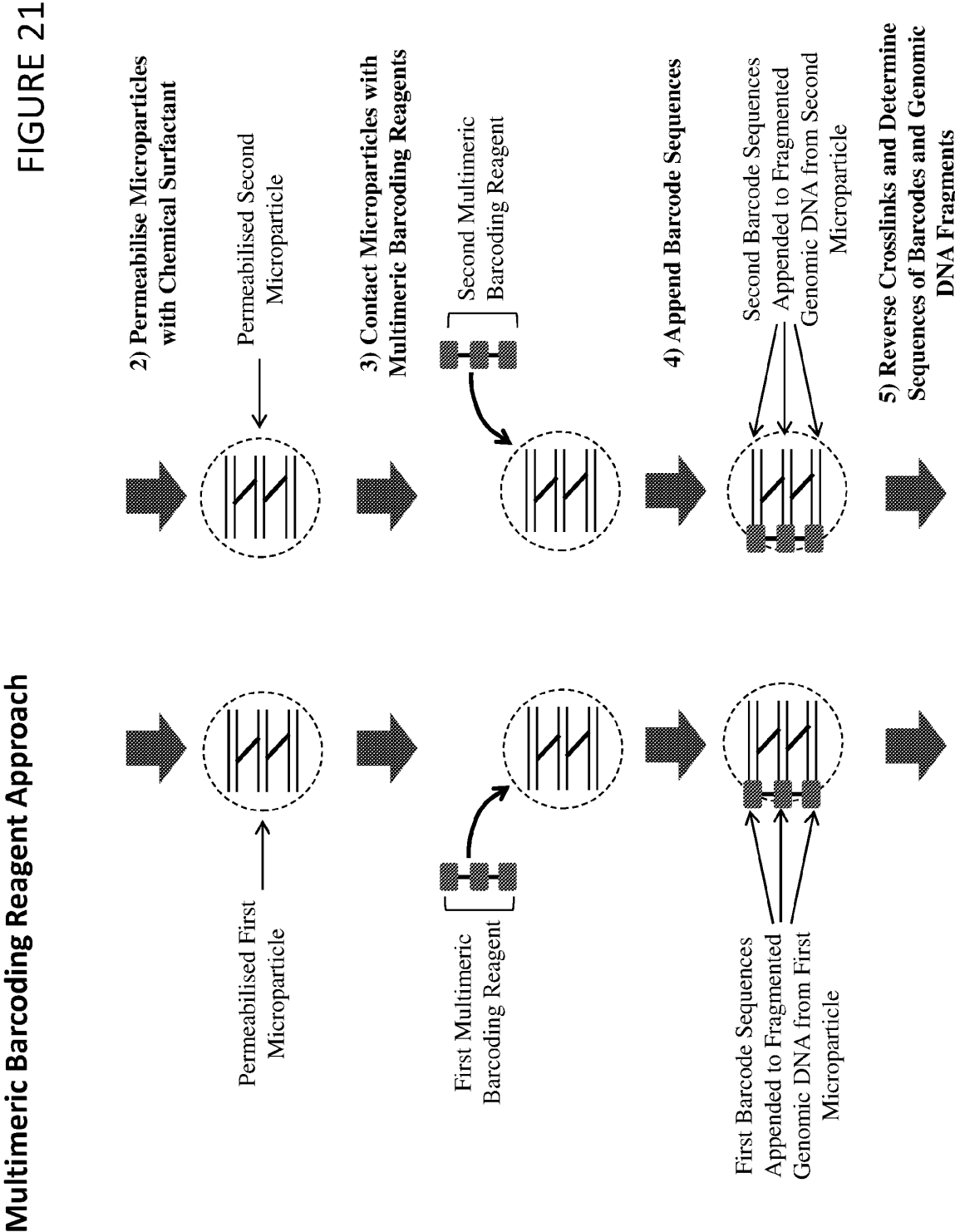


FIGURE 22

Appending/Inter-Molecular Ligation Approach

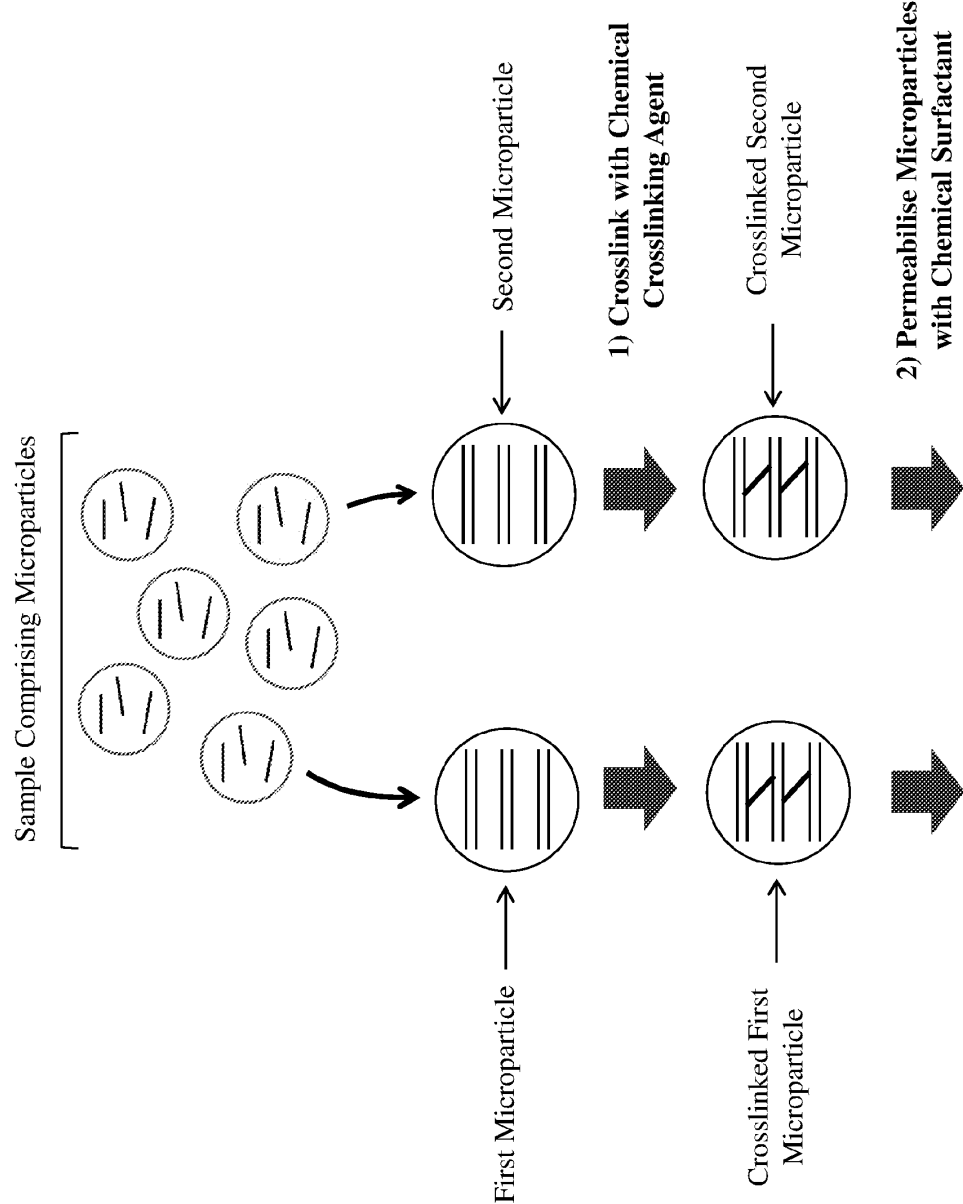
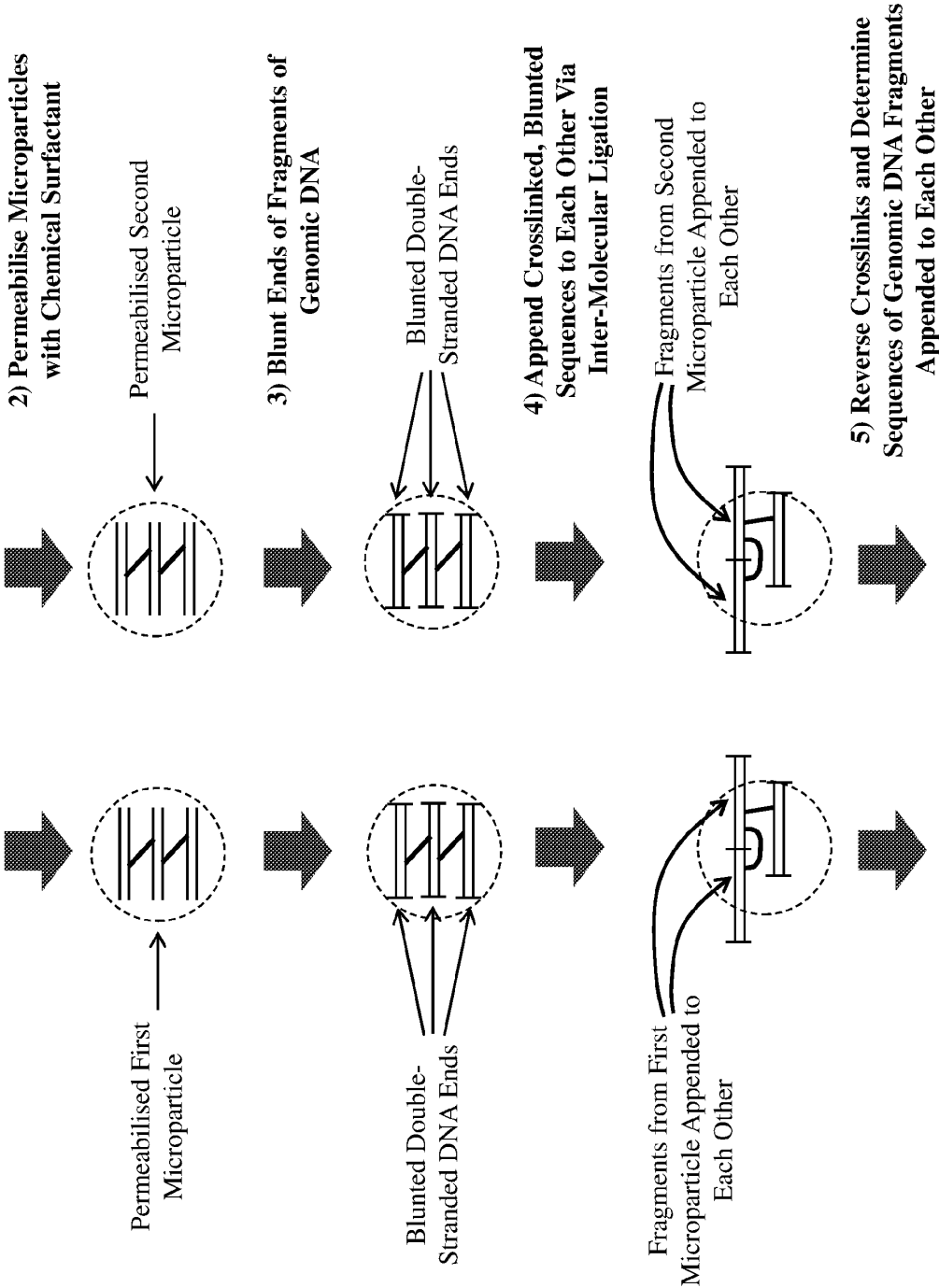


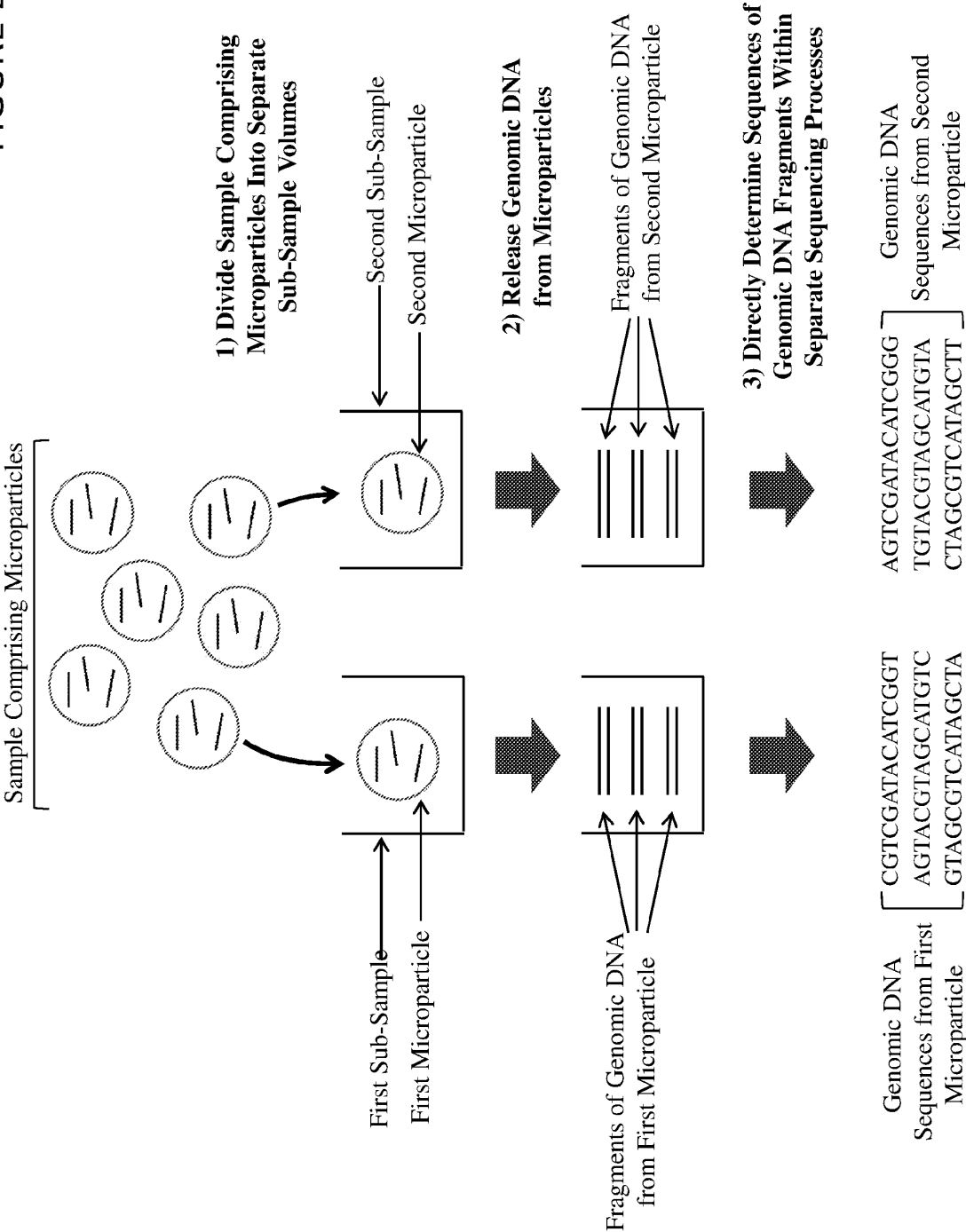
FIGURE 22

Appending/Inter-Molecular Ligation Approach

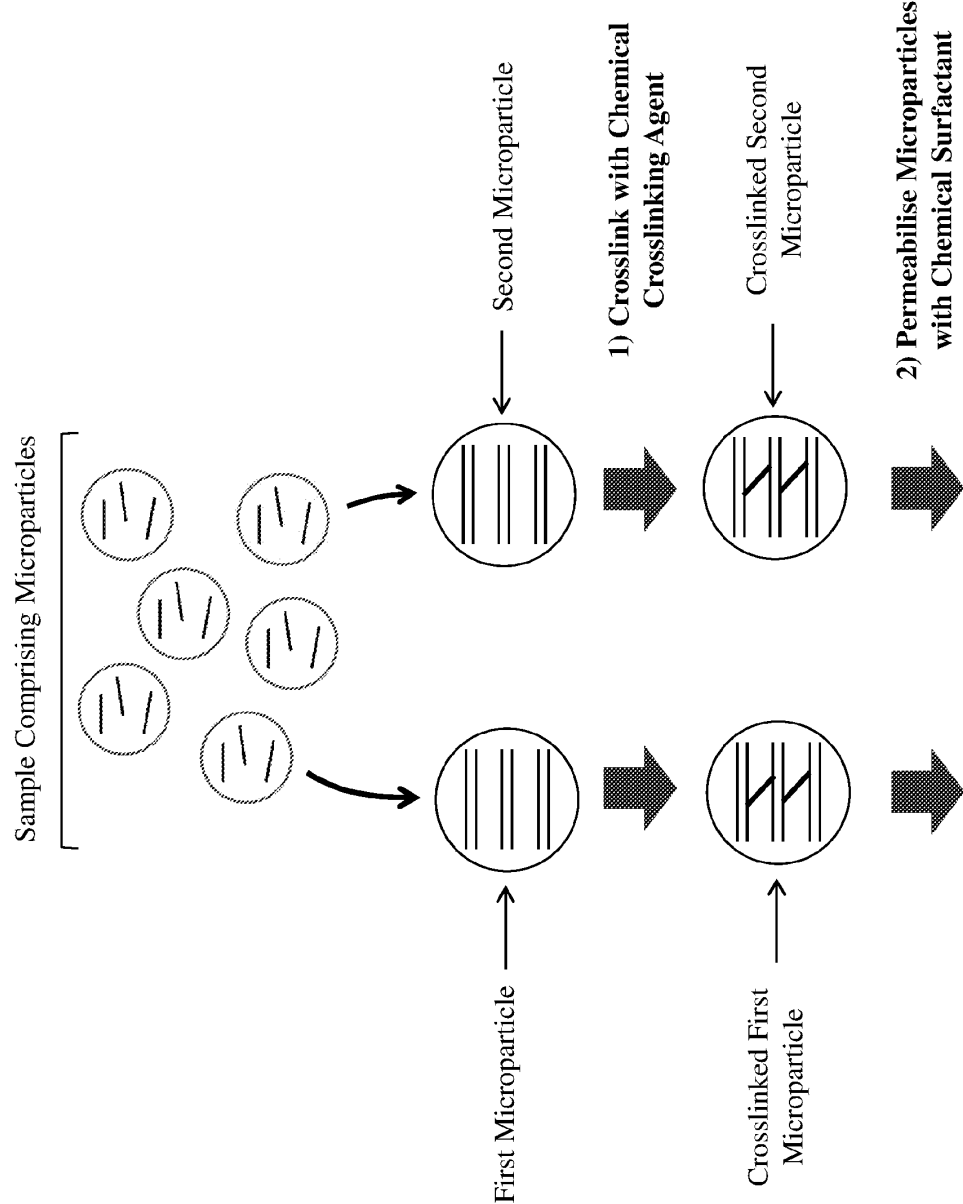


Separate Sequencing Approach

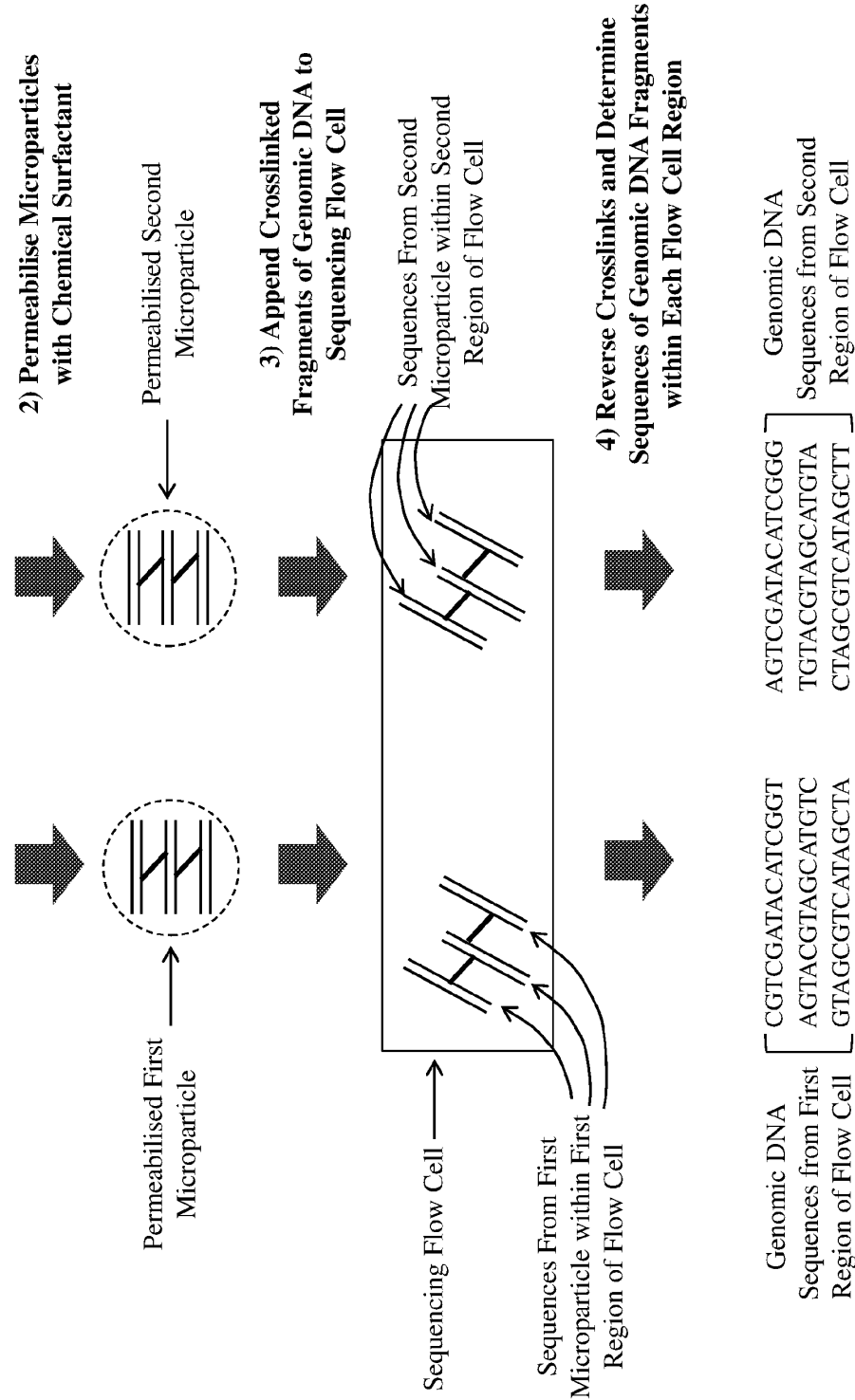
FIGURE 23



Spatial-Sequencing Approach **FIGURE 24**

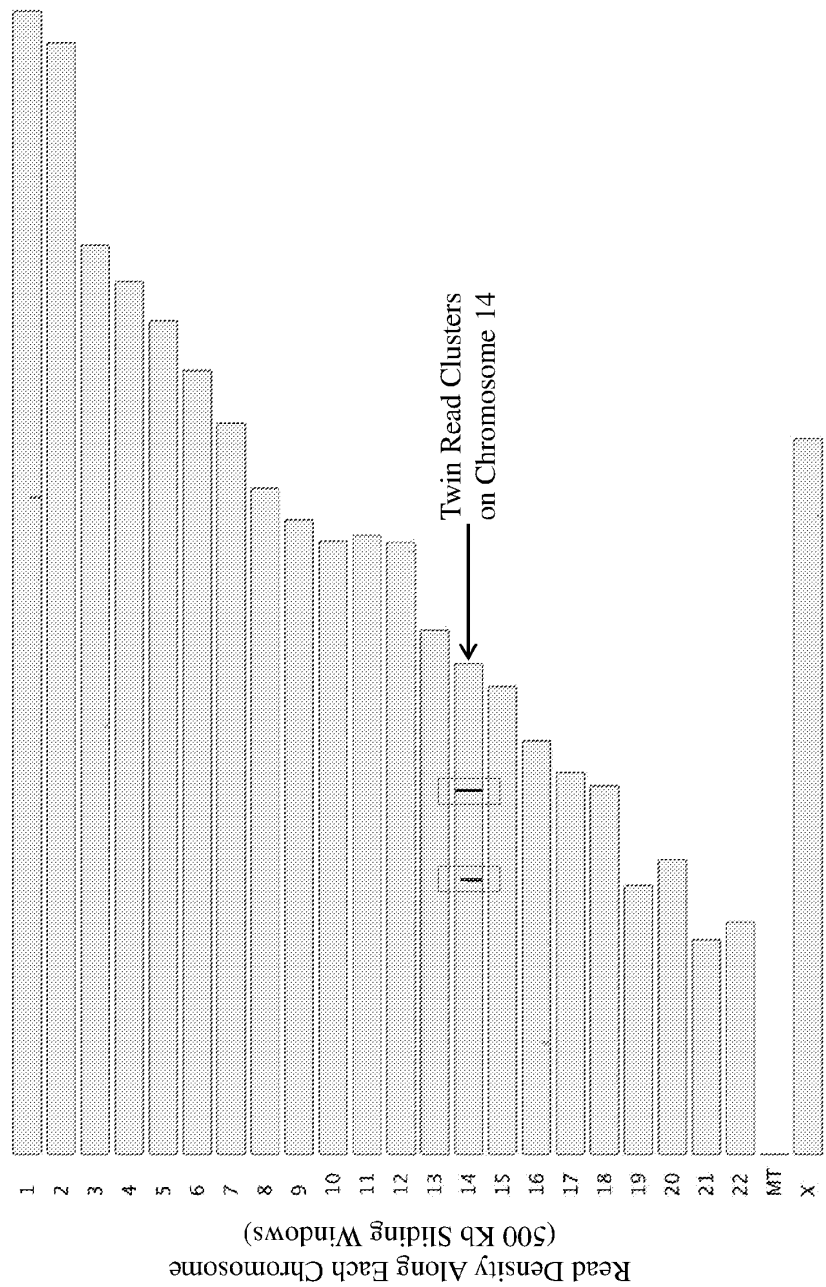


Spatial-Sequencing Approach **FIGURE 24**



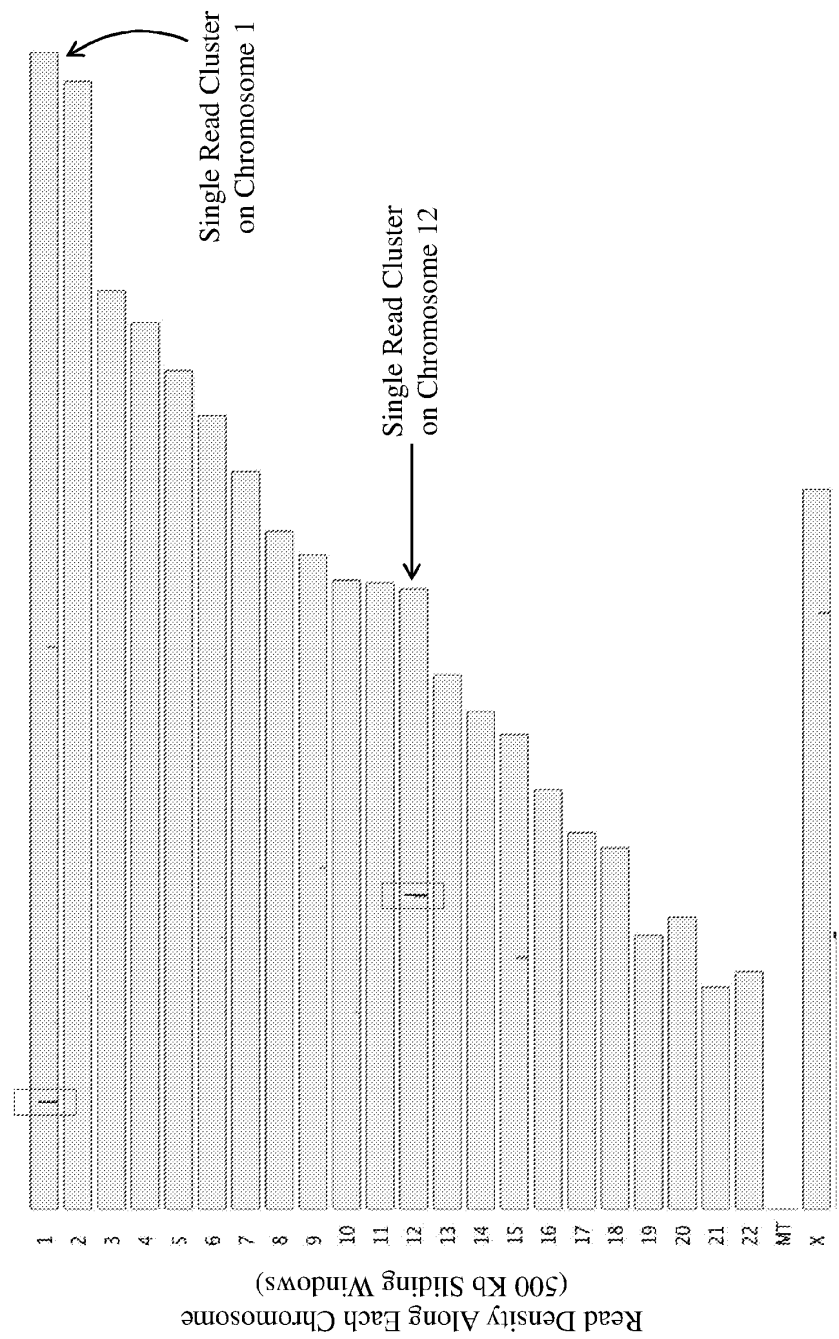
Linked Sequences from Circulating Microparticle – Variant A

FIGURE 25



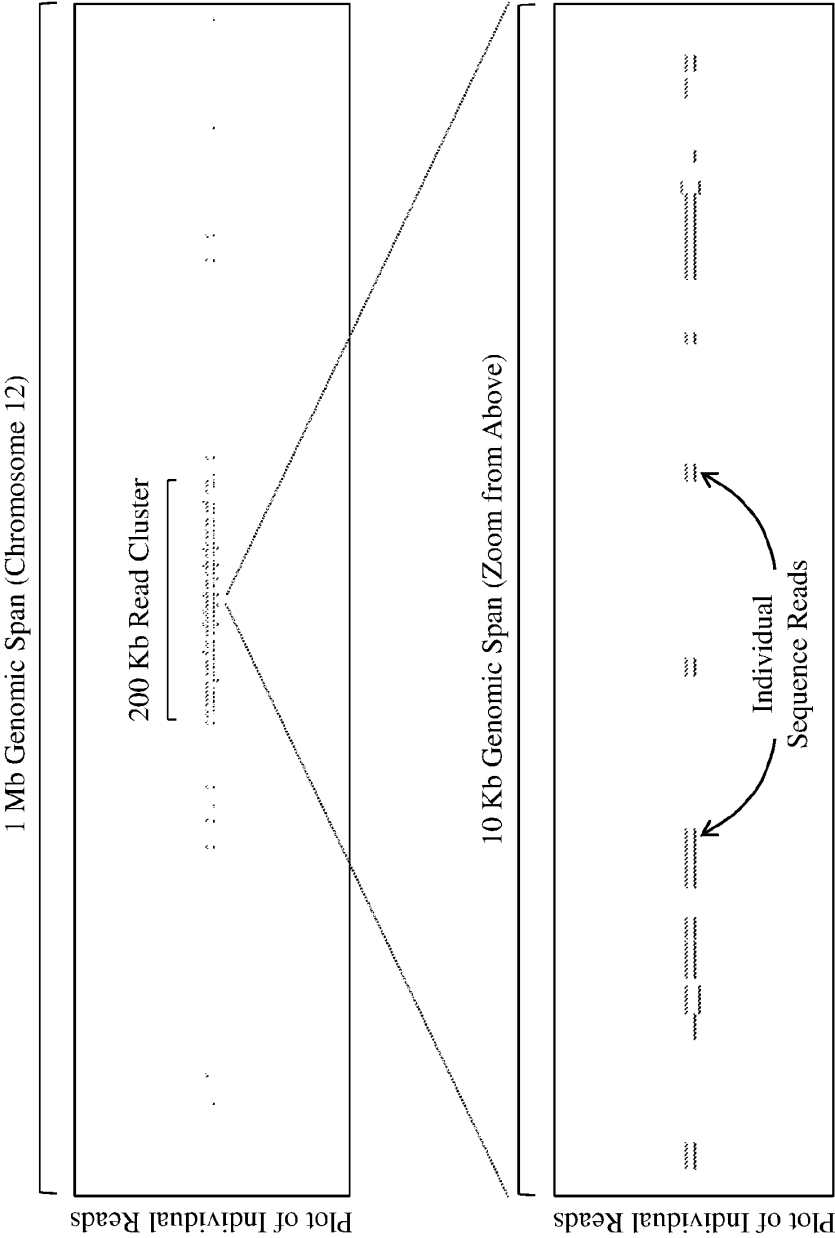
Linked Sequences from Circulating Microparticle – Variant B

FIGURE 26



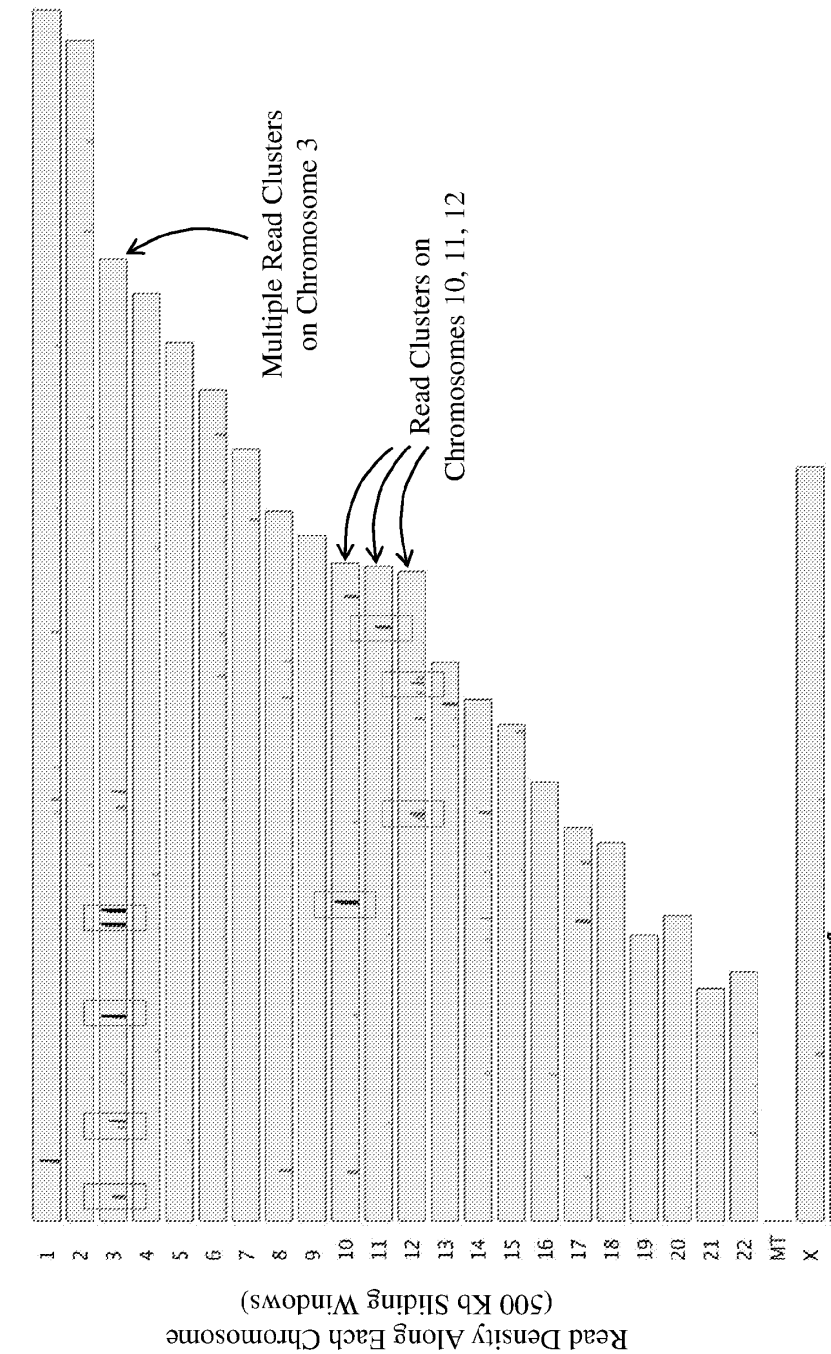
Linked Sequences from Circulating Microparticle Individual Read Cluster (Method Variant B)

FIGURE 27



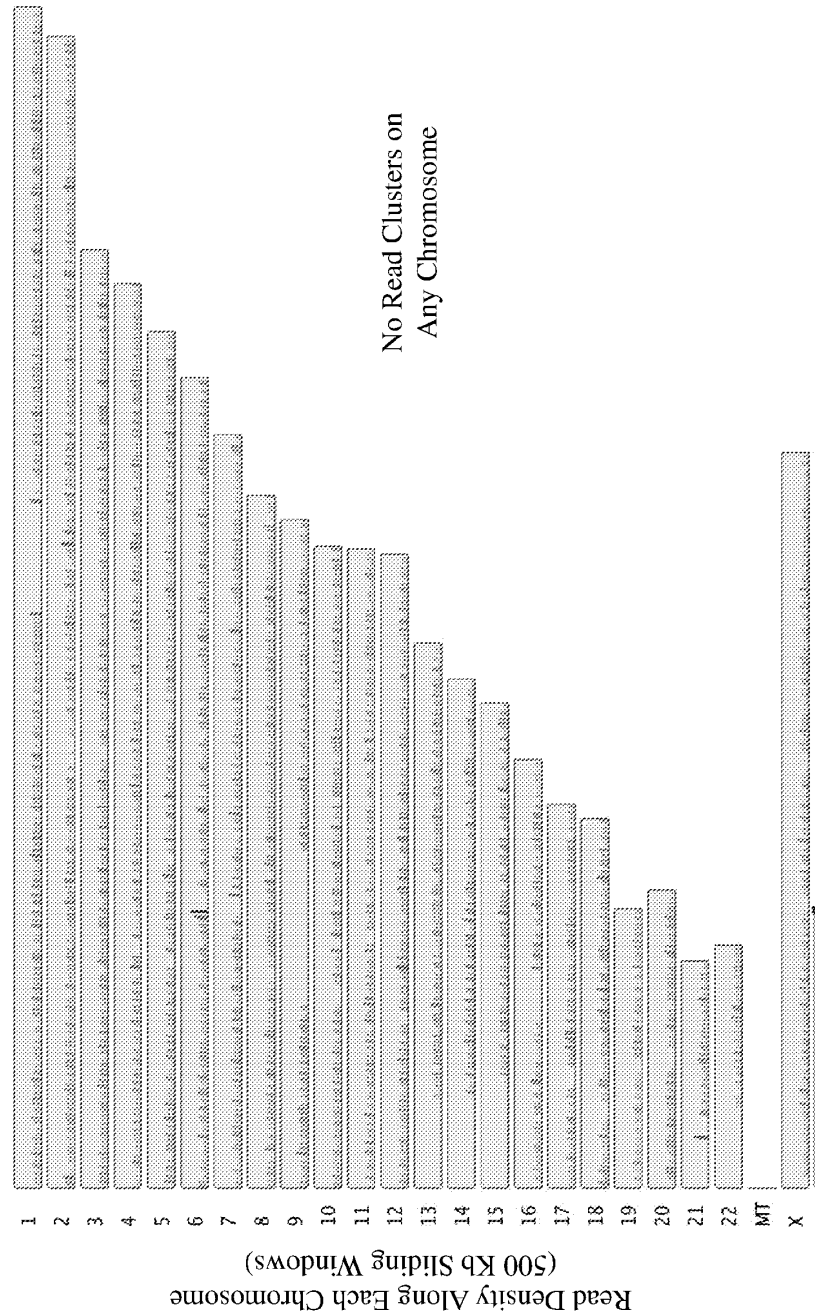
Linked Sequences from Circulating Microparticle – Variant C

FIGURE 28



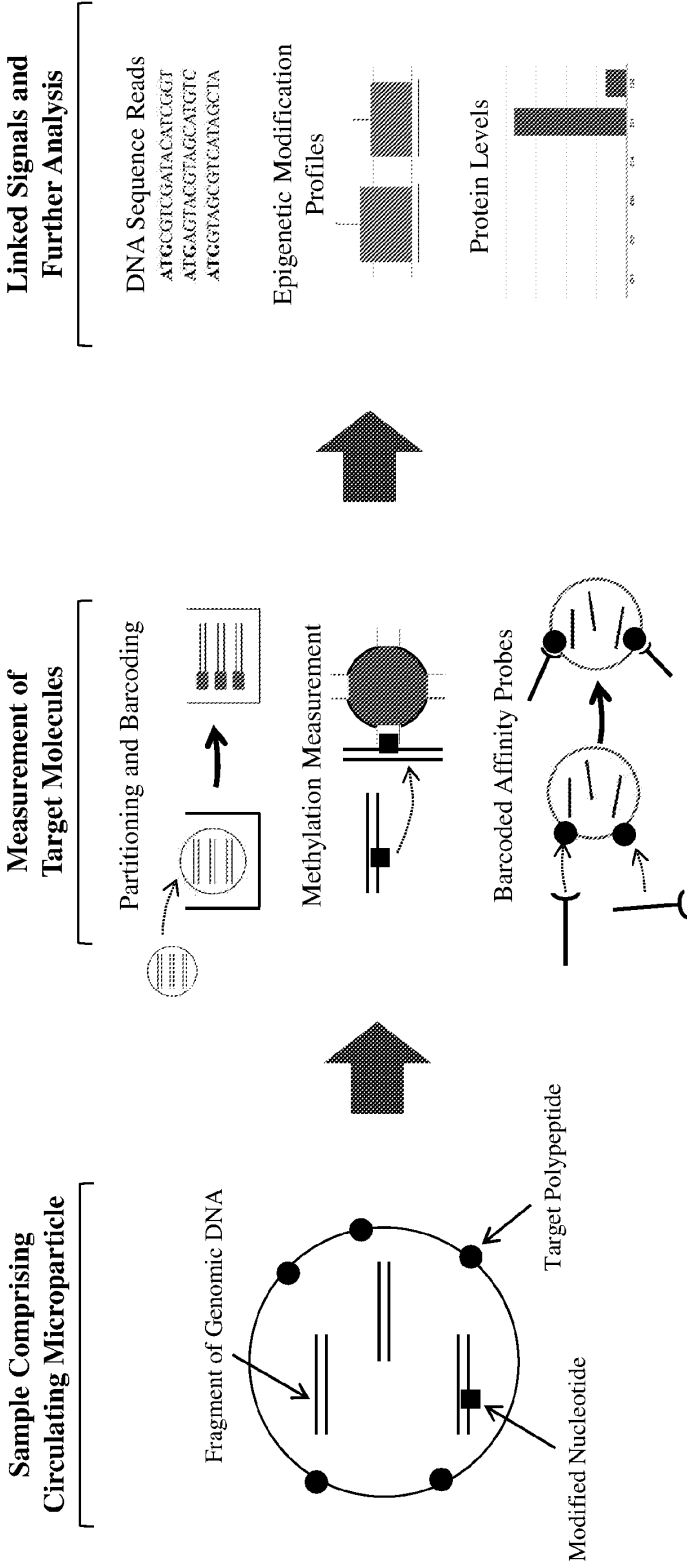
Linked Sequences from Circulating Microparticle – Negative Control
(Purified, Unlinked Sequences)

FIGURE 29

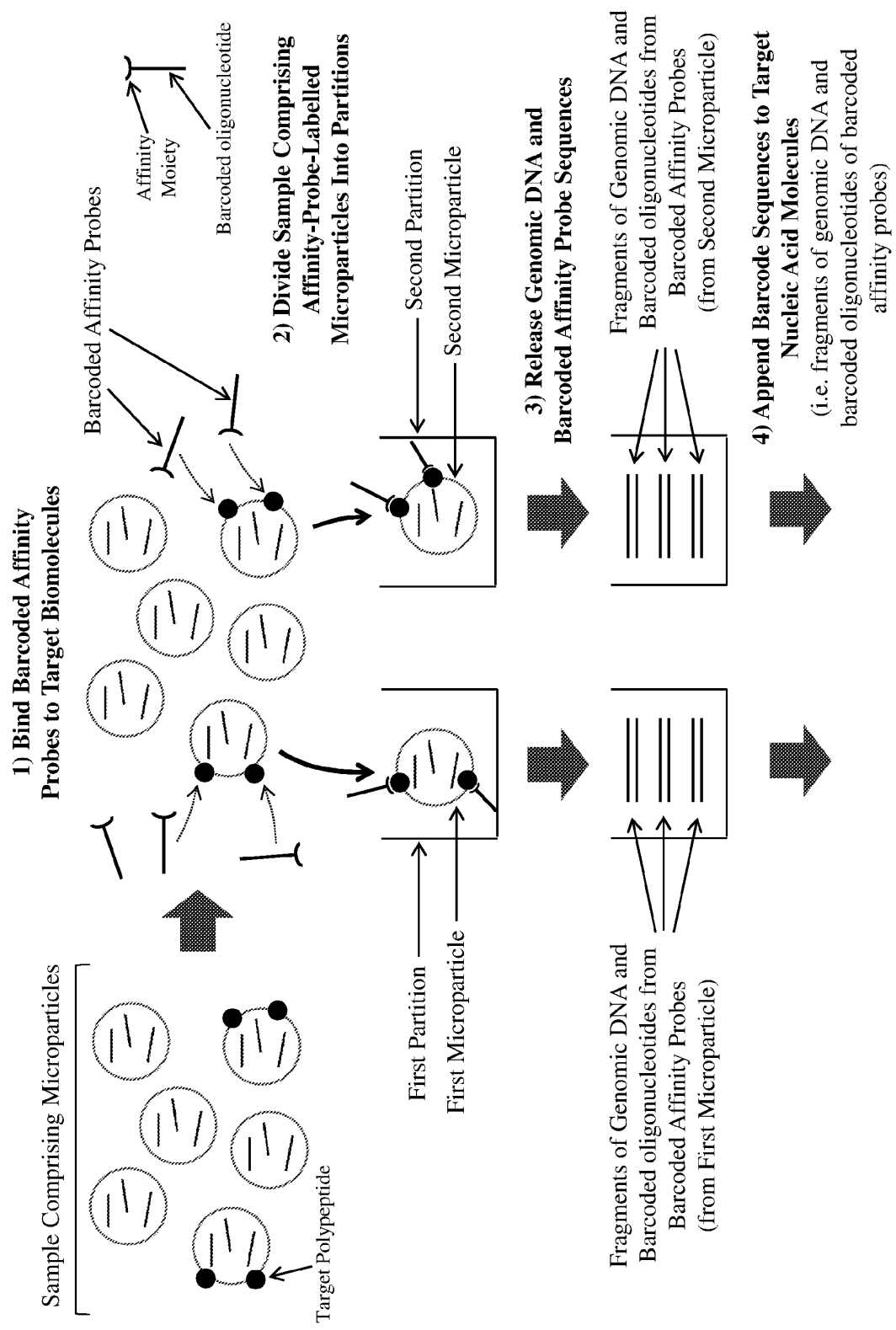


Multi-parametric measurement of target molecules in a single circulating microparticle

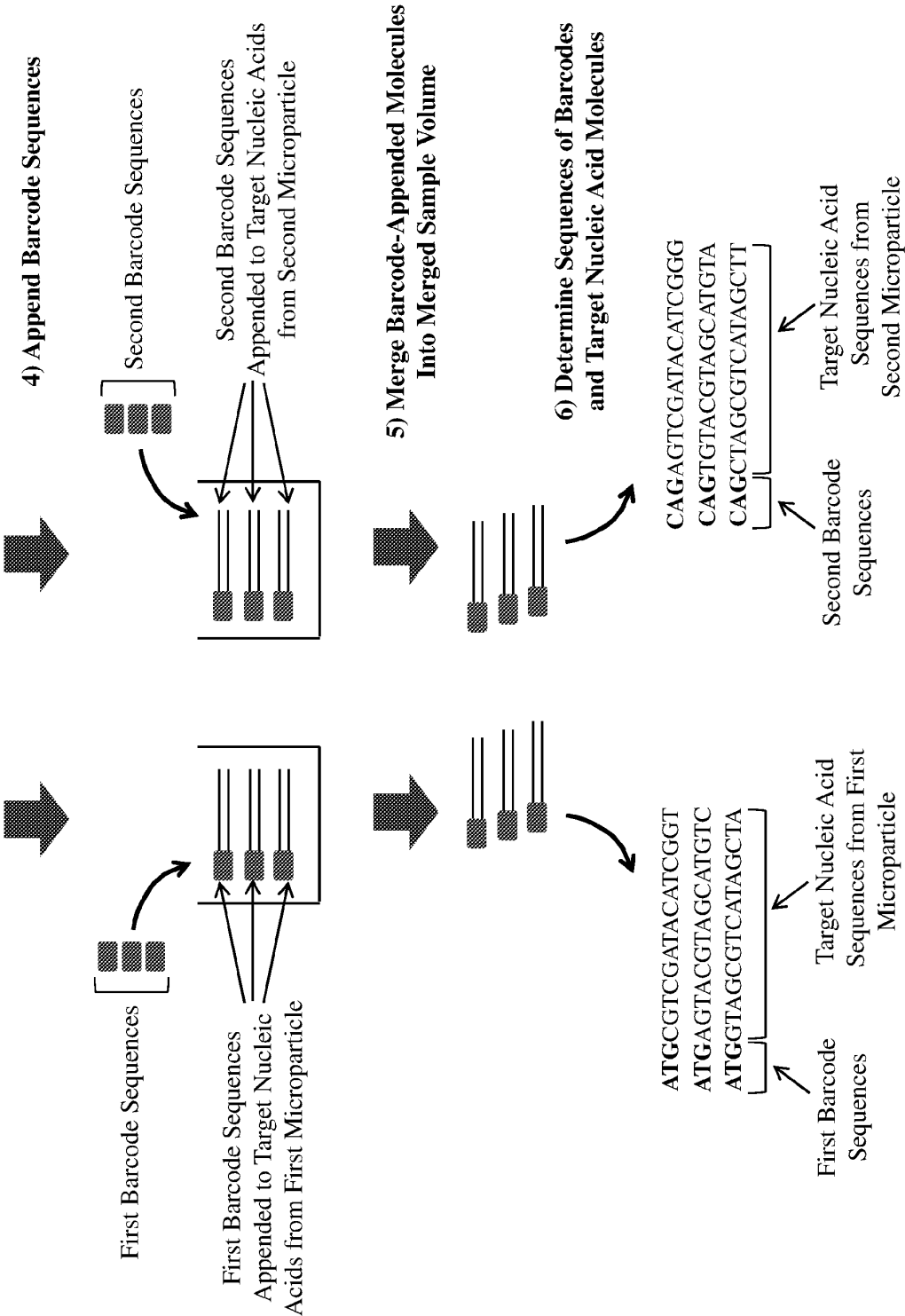
FIGURE 30



Measurement with Barcoded Affinity Probes (Example with partitioning) FIGURE 31

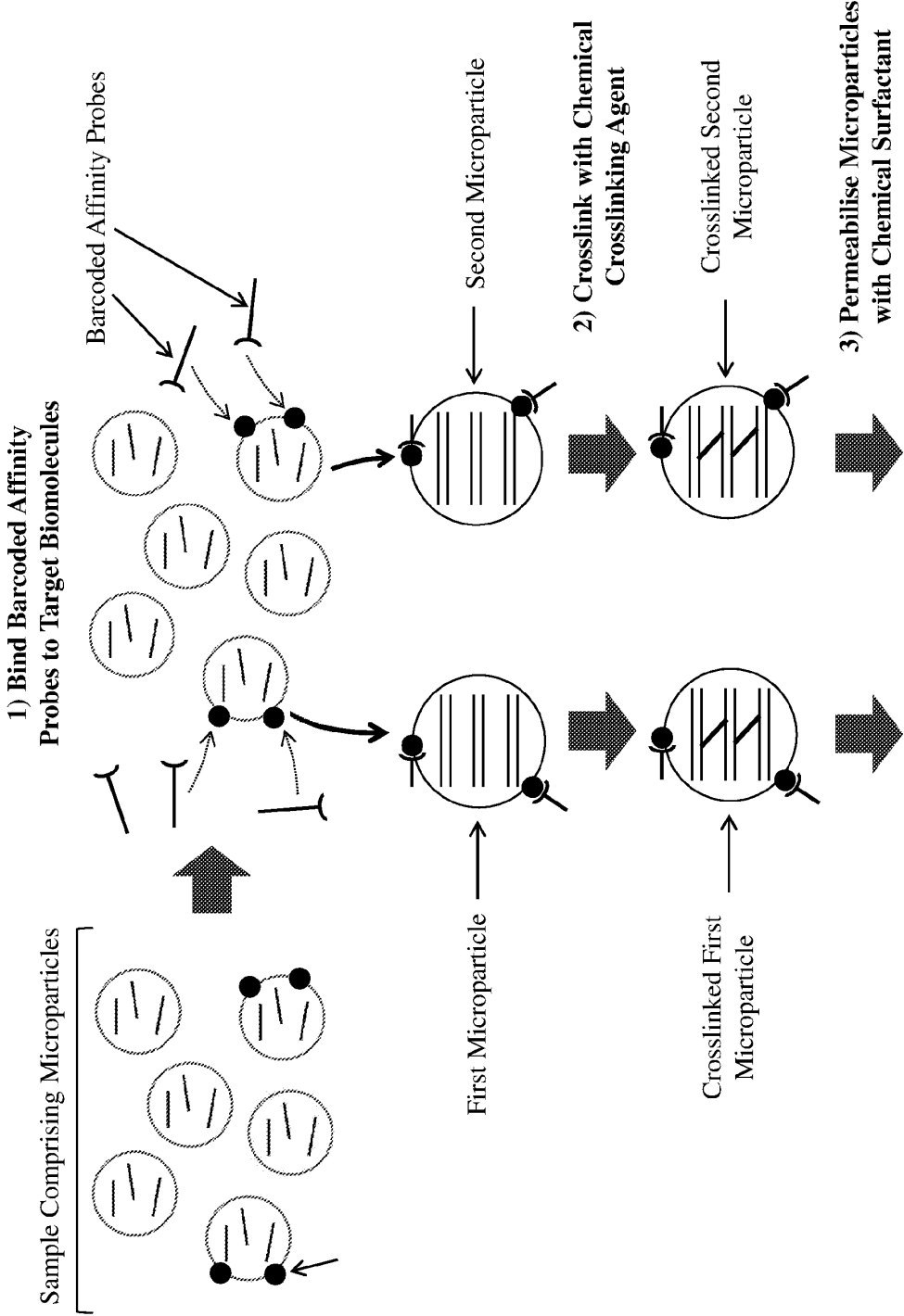


Measurement with Barcoded Affinity Probes (Example with partitioning) **FIGURE 31**



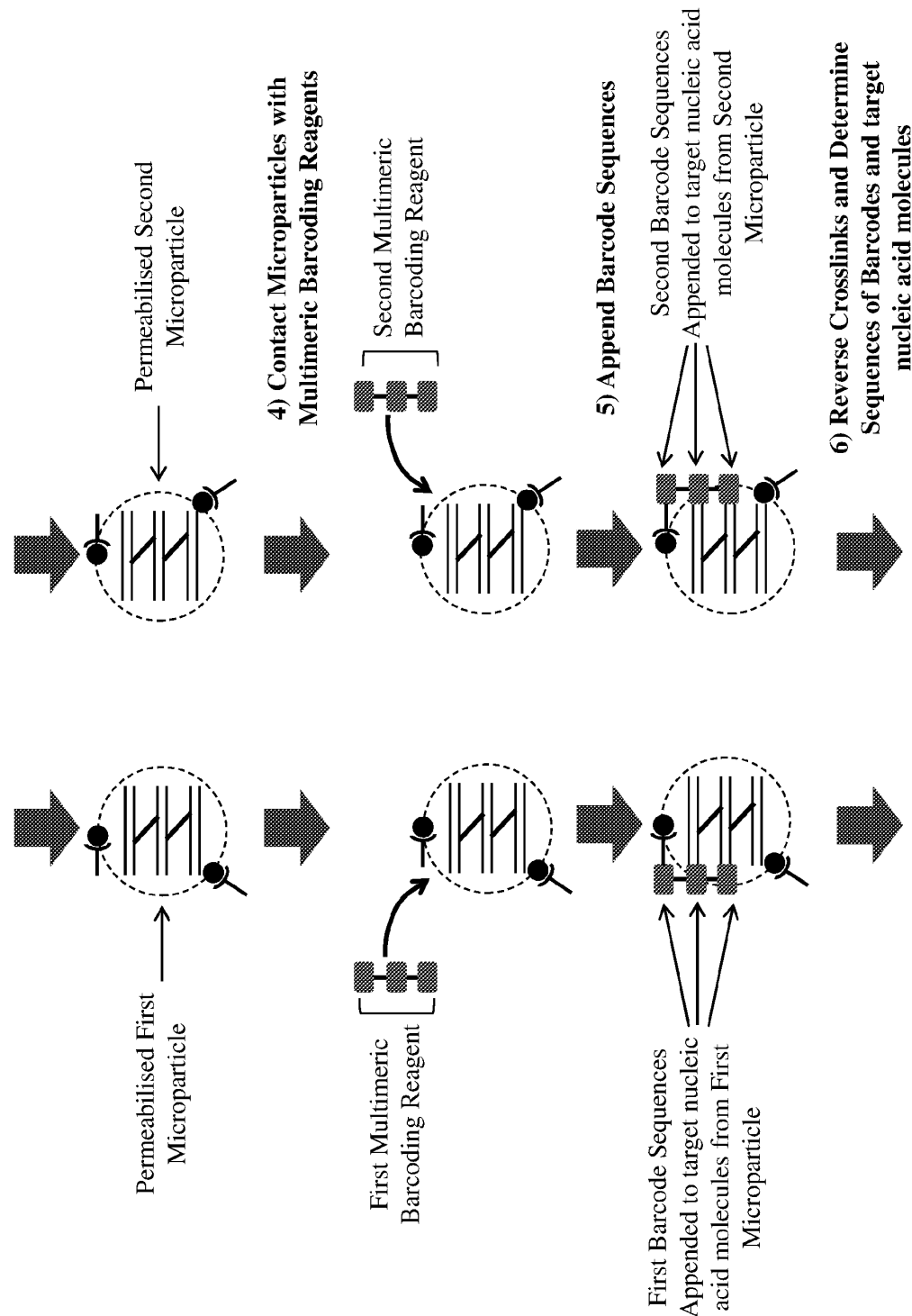
**Measurement with Barcoded Affinity Probes
(Example with Multimeric Barcoding Reagents)**

FIGURE 32



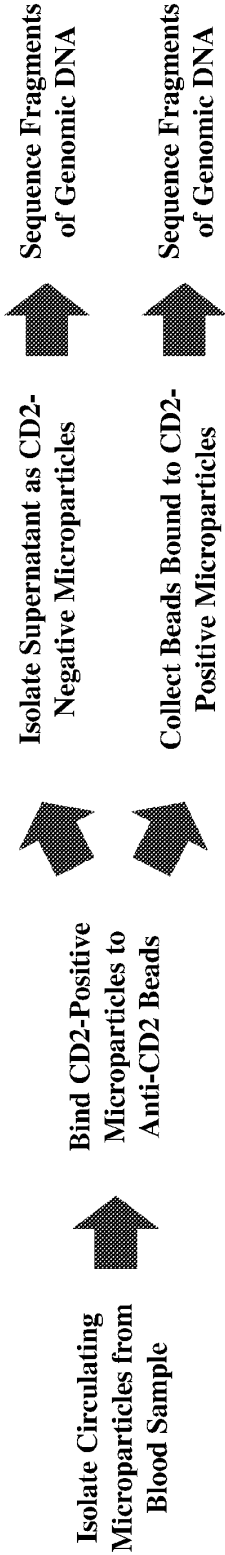
**Measurement with Barcoded Affinity Probes
(Example with Multimeric Barcoding Reagents)**

FIGURE 32

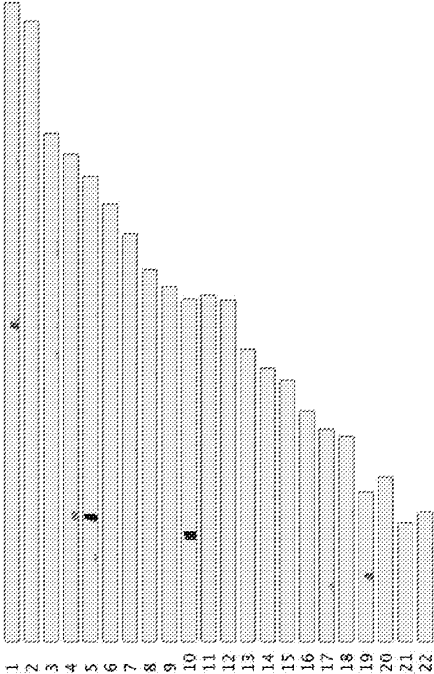


Measurement of Target Polypeptide and Fragments of Genomic DNA

FIGURE 33

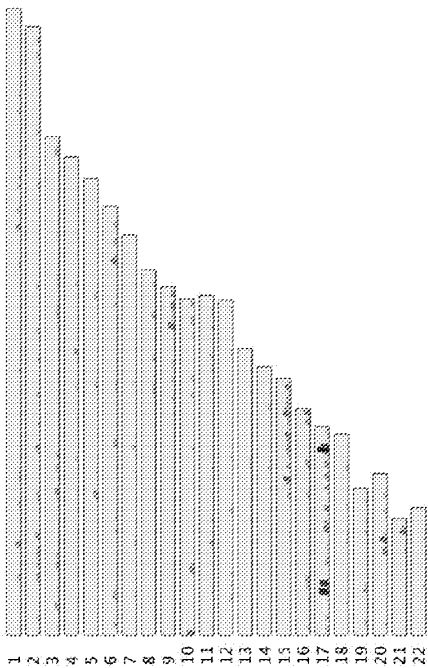


CD2 – Positive Microparticle



Read Density Along Each Chromosome
(2 Mb Sliding Windows)

CD2 – Negative Microparticle



Read Density Along Each Chromosome
(2 Mb Sliding Windows)

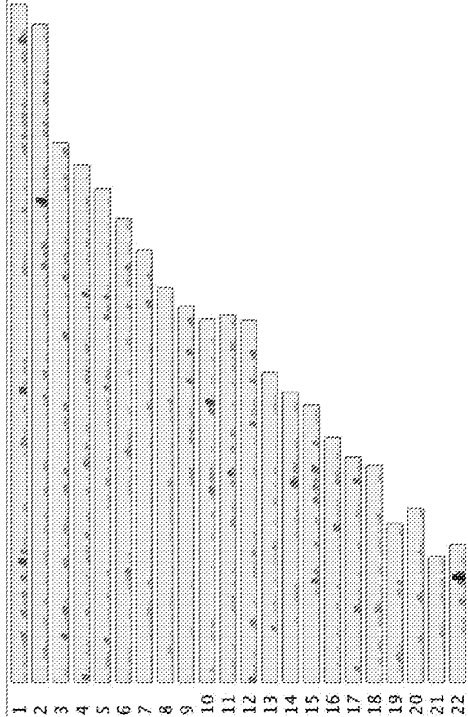
Measurement of Cytosine-Modified (5-mC) DNA and Target Polypeptide

FIGURE 34



CD2 – Negative Microparticle

Enriched for 5-Methylcytosine Genomic DNA with Methylation-Sensitive Enzyme Restriction Digestion (HpaII)



Depletion of Unmethylated DNA by HpaII Enzyme

