

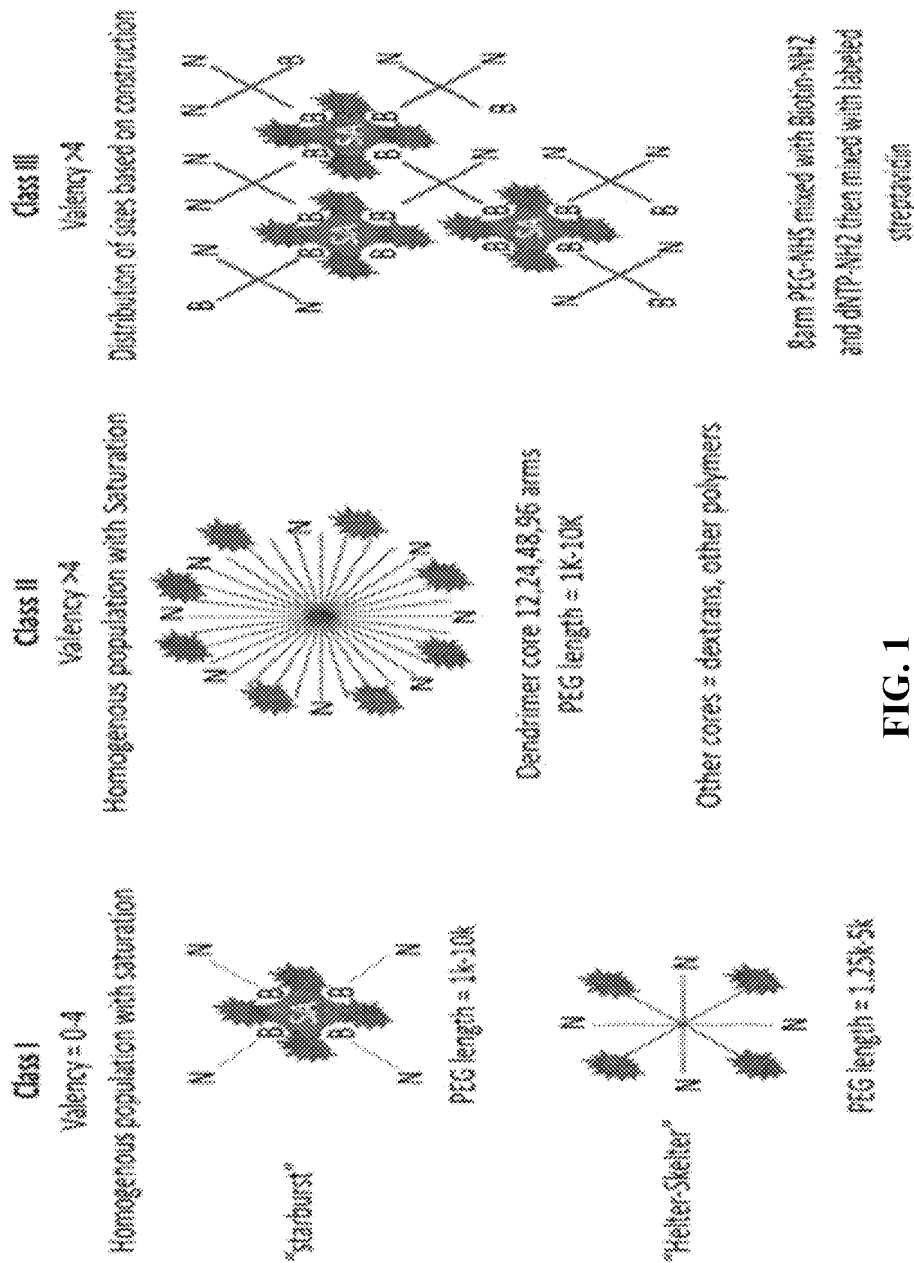


FIG. 1

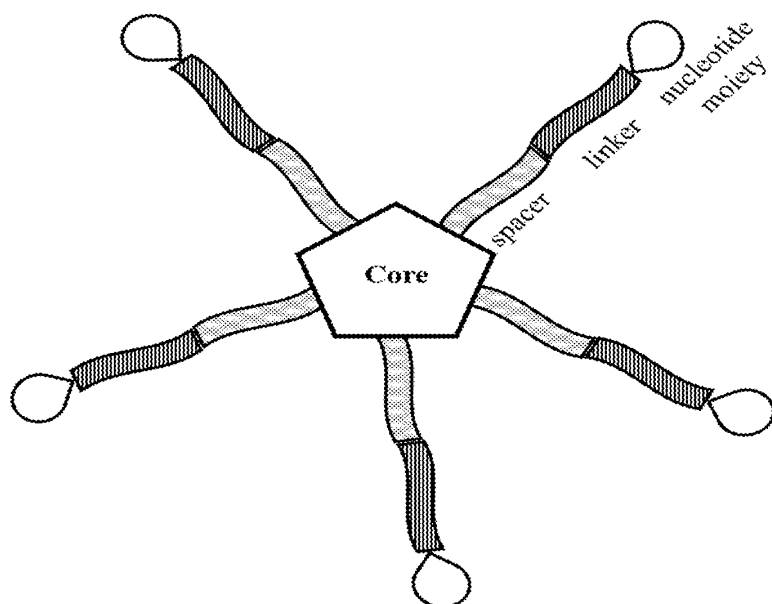


FIG. 2

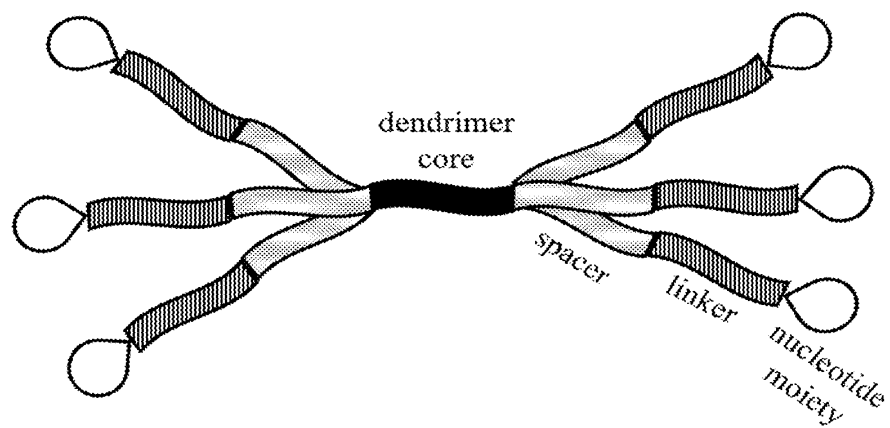


FIG. 3

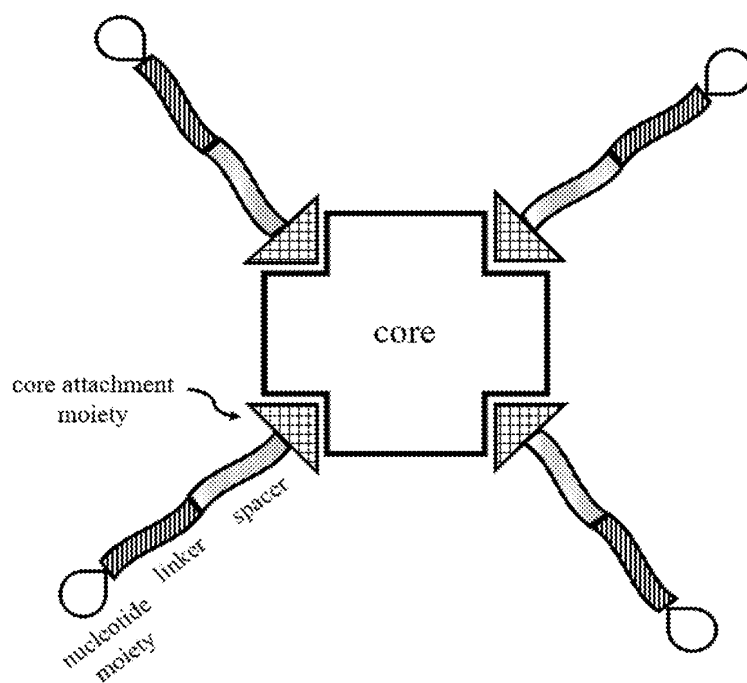


FIG. 4A

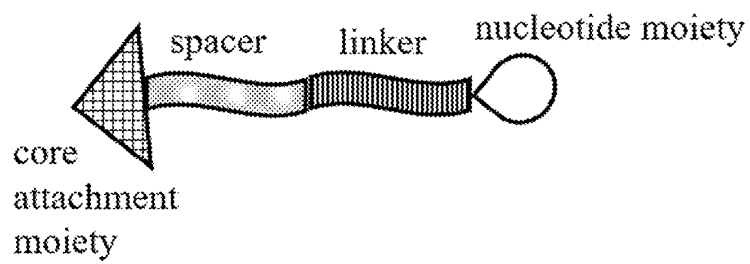


FIG. 4B

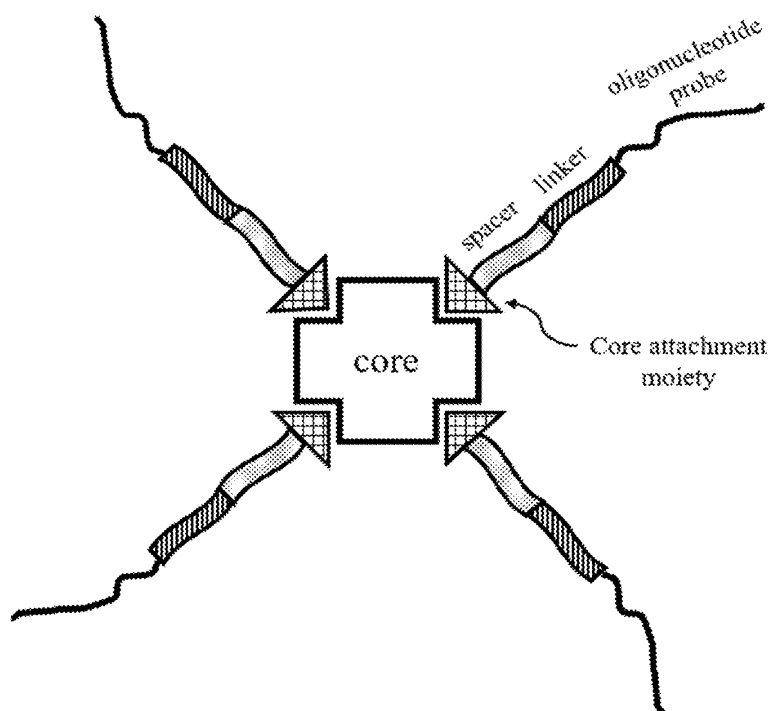


FIG. 5A

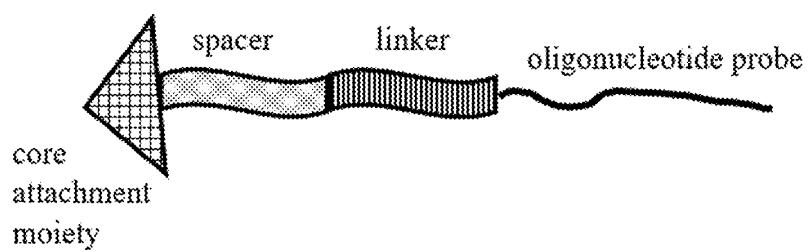
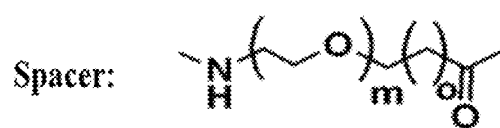
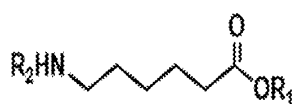


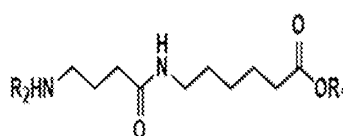
FIG. 5B

**Linkers:**

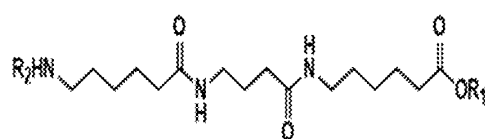
11 atom Linker:



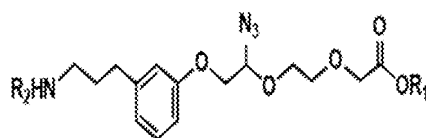
16 atom Linker:



23 atom Linker:



N3 Linker:

**FIG. 6**

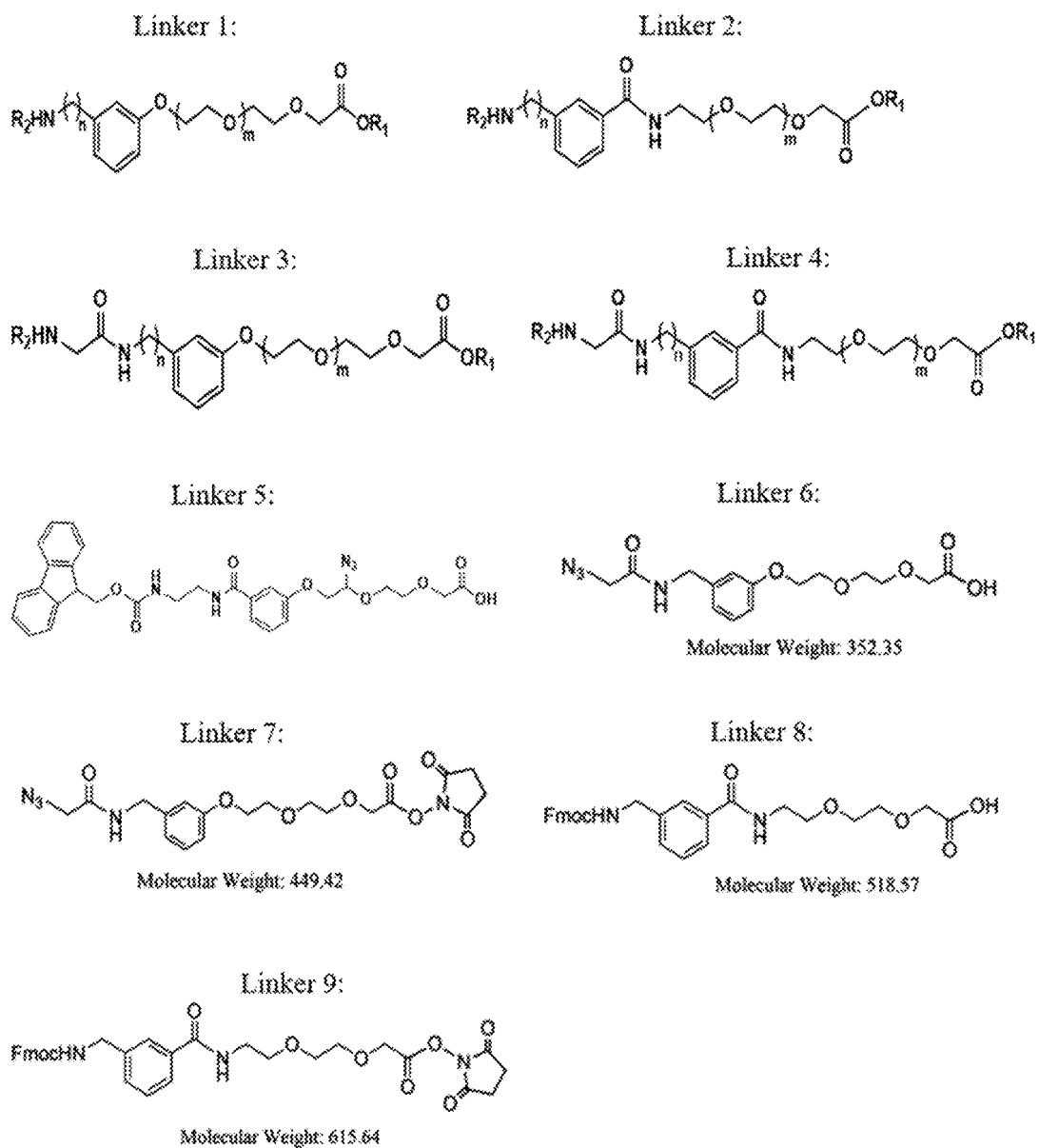
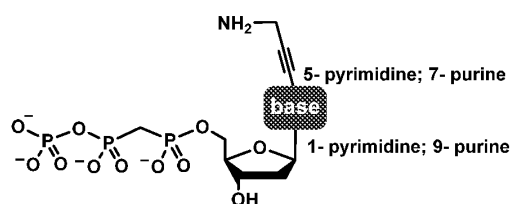
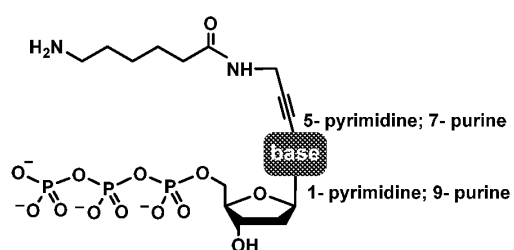
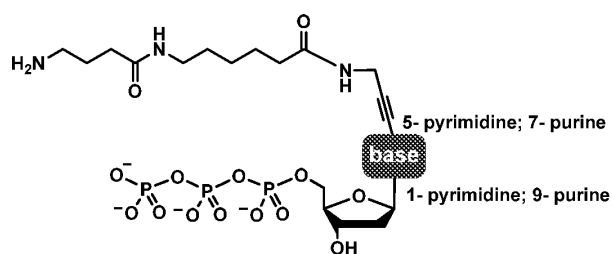
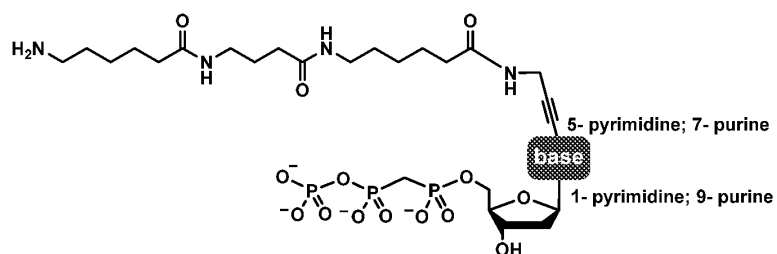
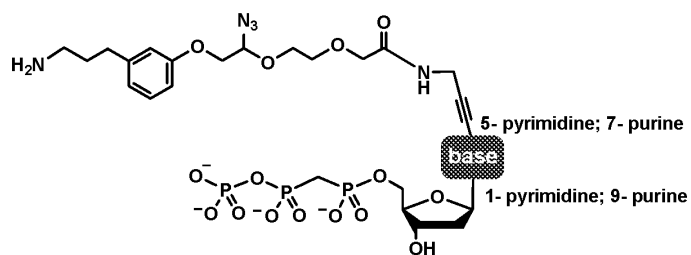
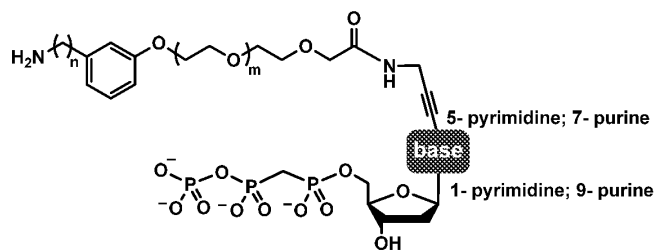
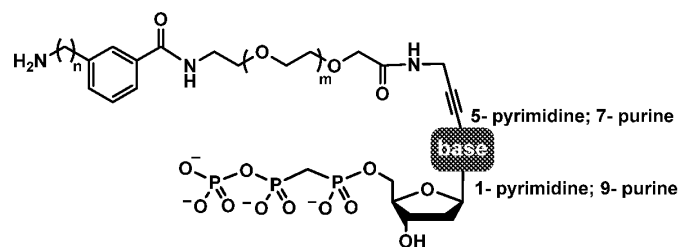
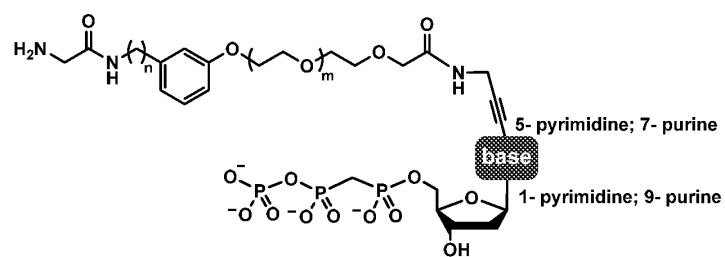


FIG. 7

dNTP-PA-NH₂:**dNTP-PA-11 Atom Linker-NH₂:****dNTP-PA-16 Atom Linker-NH₂:****FIG. 8**

dNTP-PA-23 Atom Linker-NH₂:**dNTP-PA-N3 Linker-NH₂:****dNTP-PA-Linker 1-NH₂:****FIG. 9**

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dNTP-PA-Linker 2-NH₂:**dNTP-PA-Linker 3-NH₂:****FIG. 10**

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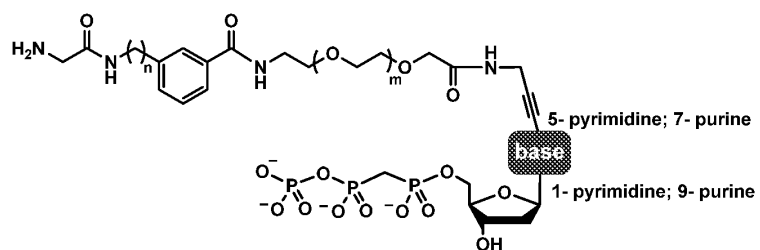
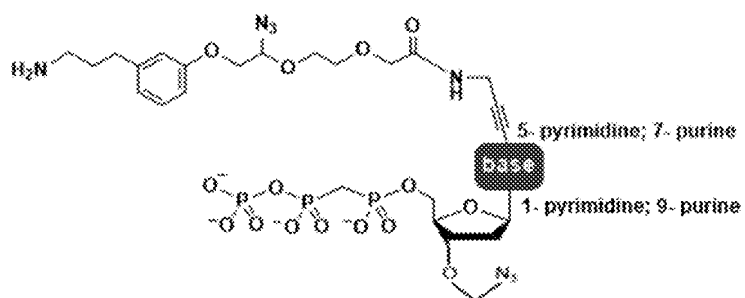
dNTP-PA-Linker 4-NH₂:**dNTP-PA-N3 Linker-NH₂:**

FIG. 11

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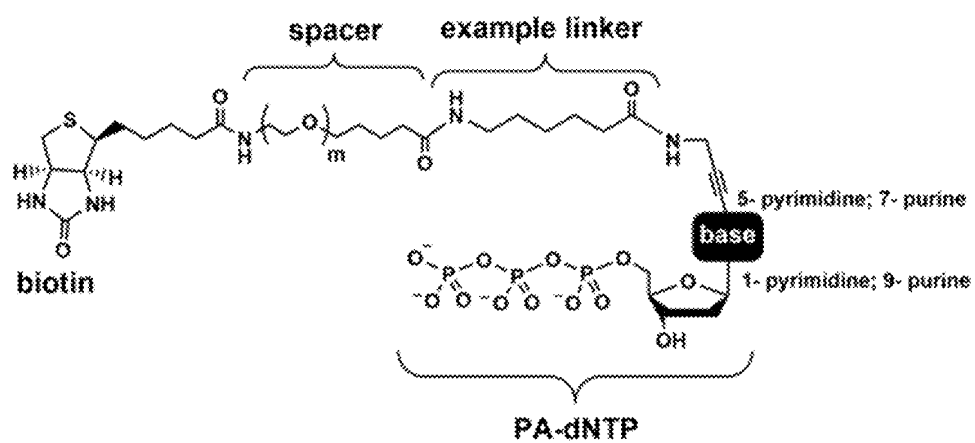


FIG. 12

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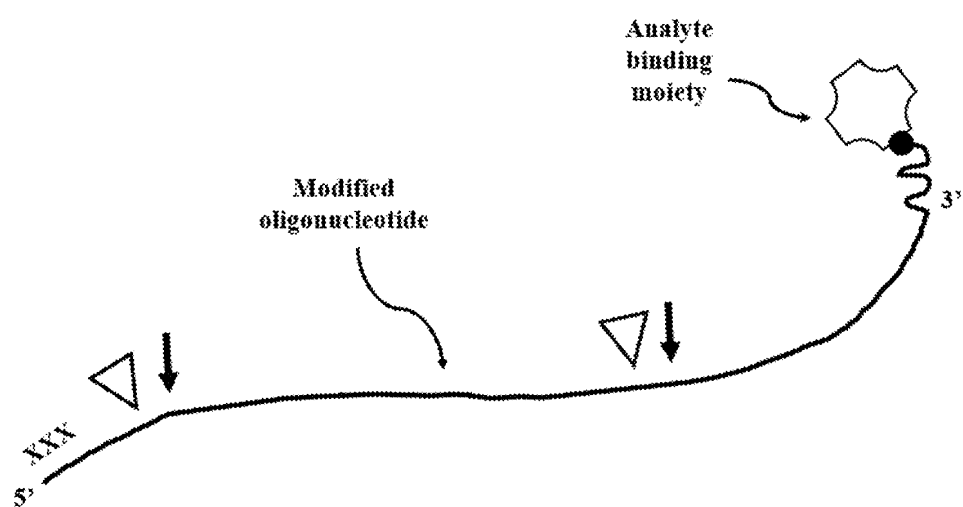


FIG. 13A

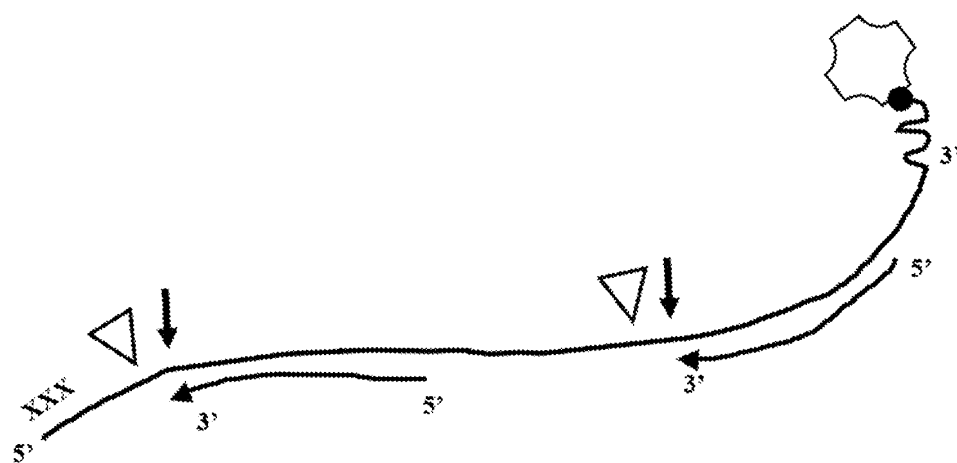


FIG. 13B

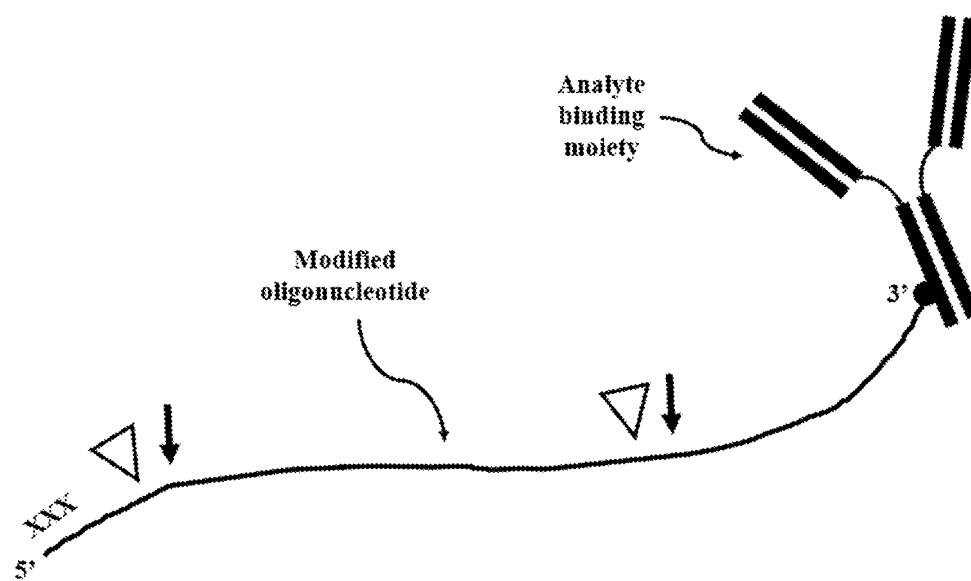


FIG. 14A

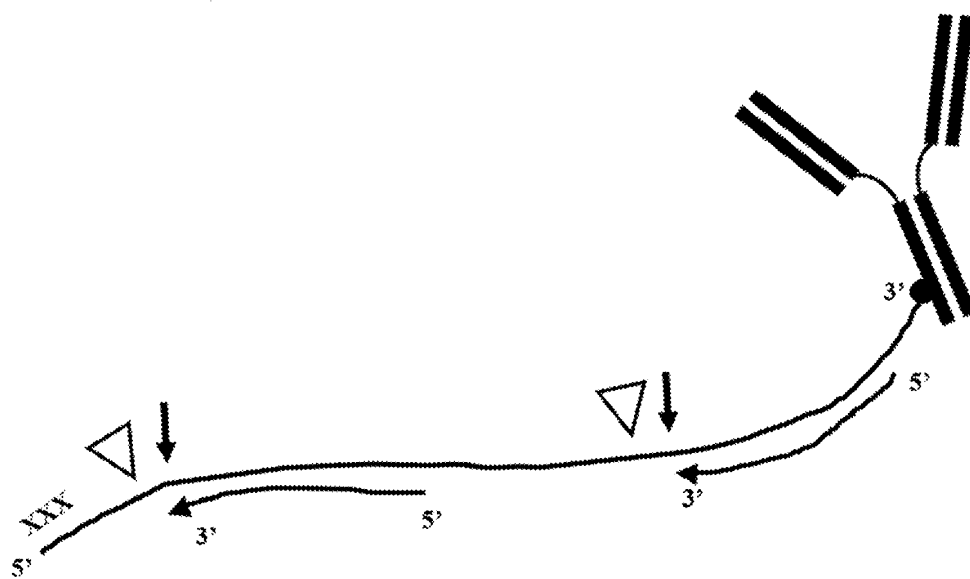


FIG. 14B

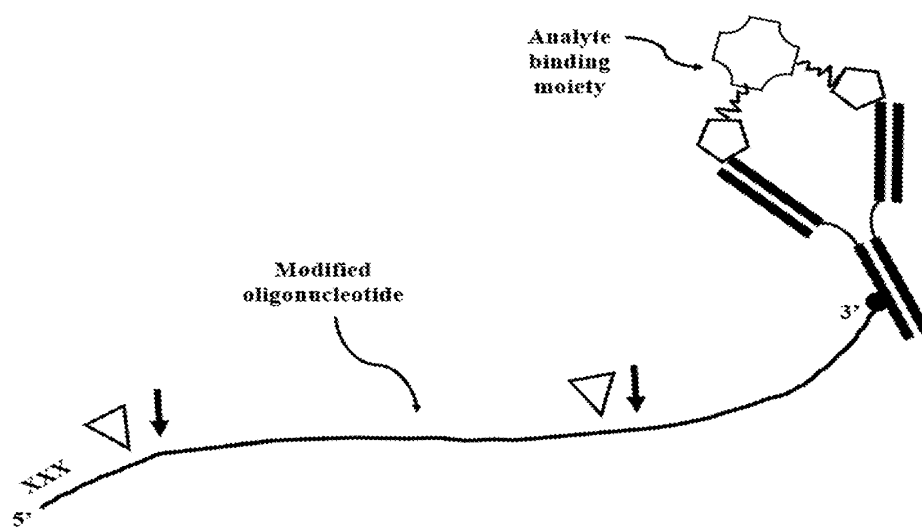


FIG. 15A

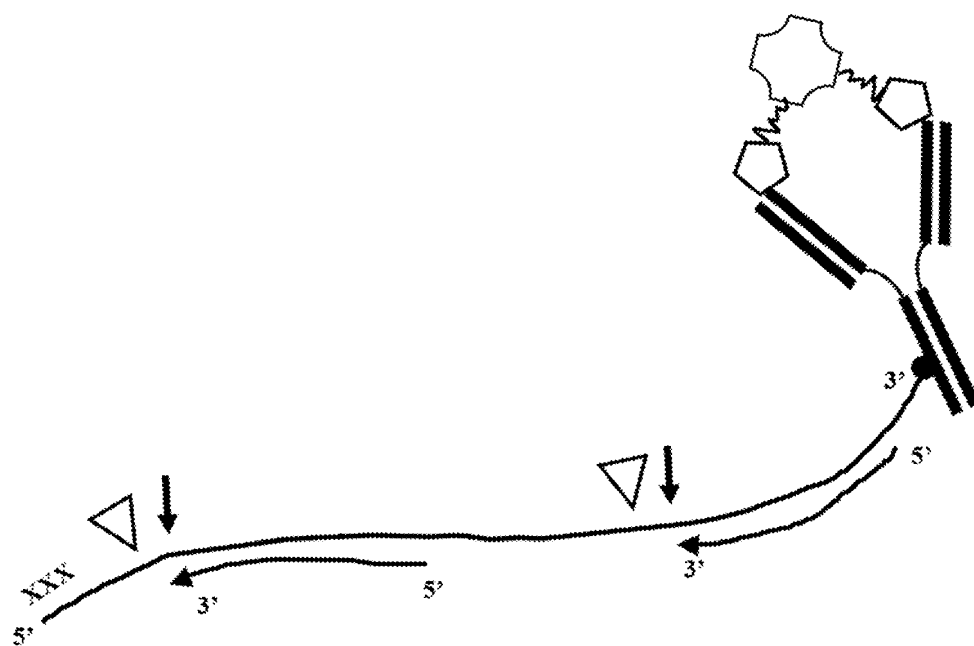


FIG. 15B

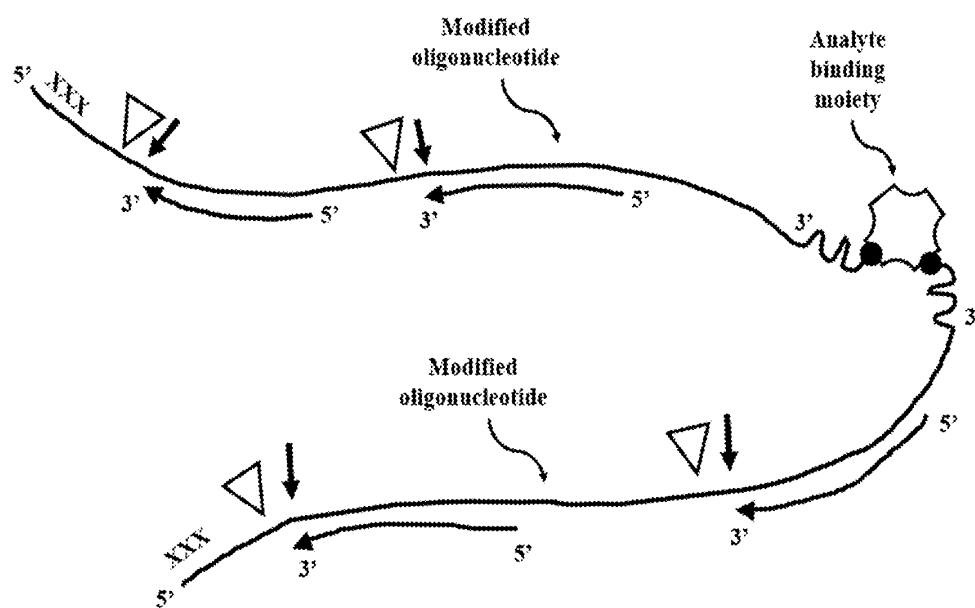


FIG. 16

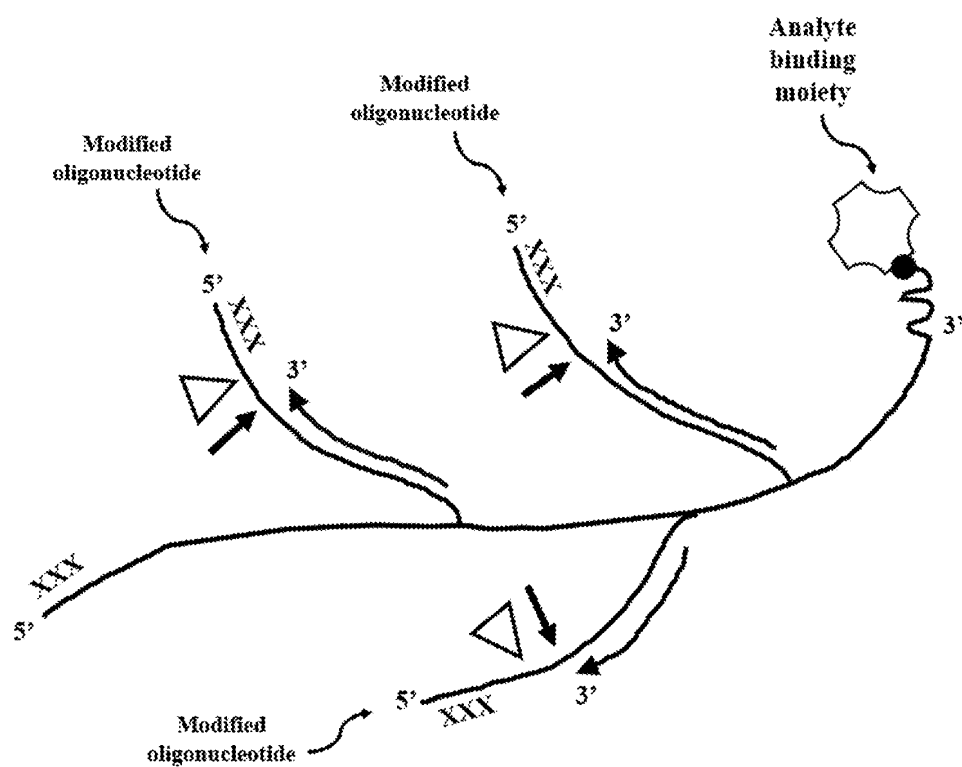


FIG. 17

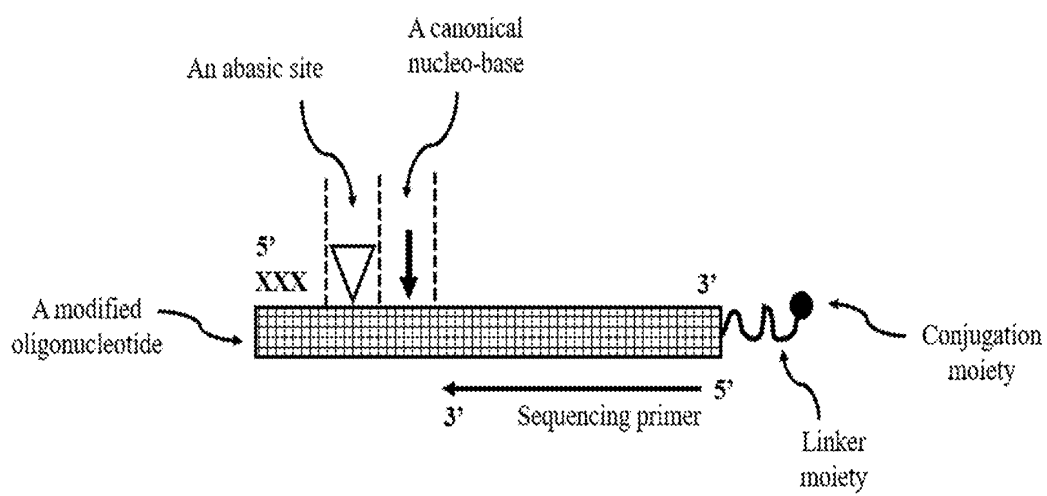


FIG. 18A

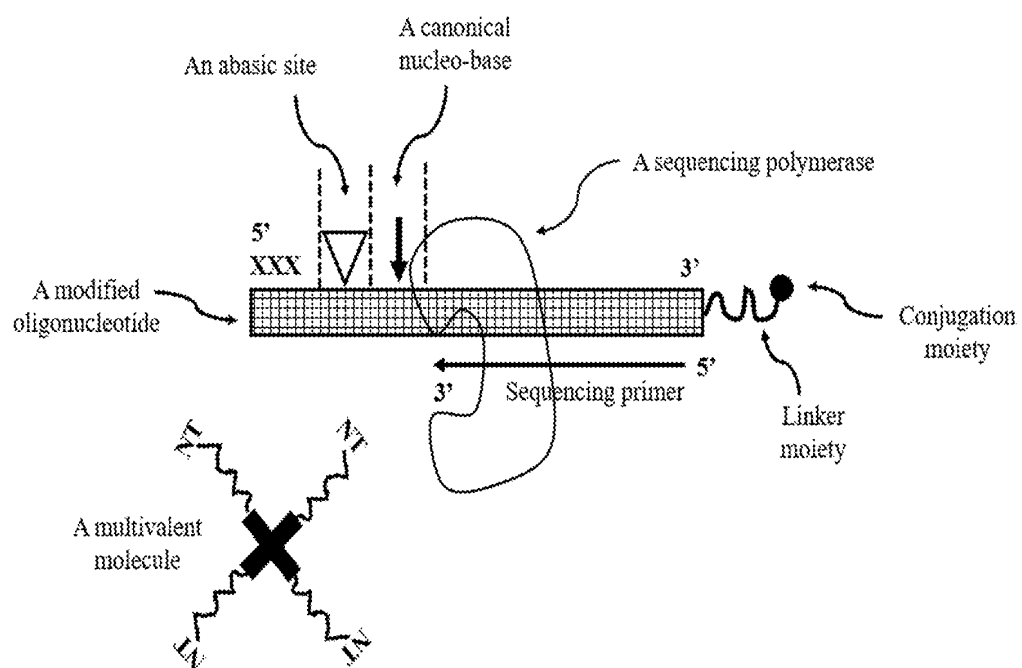


FIG. 18B

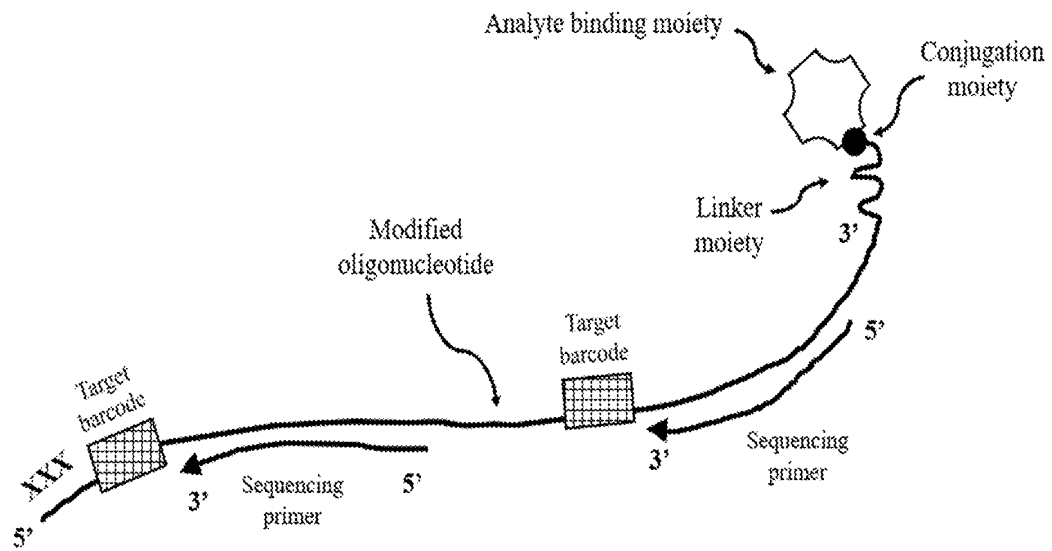


FIG. 19A

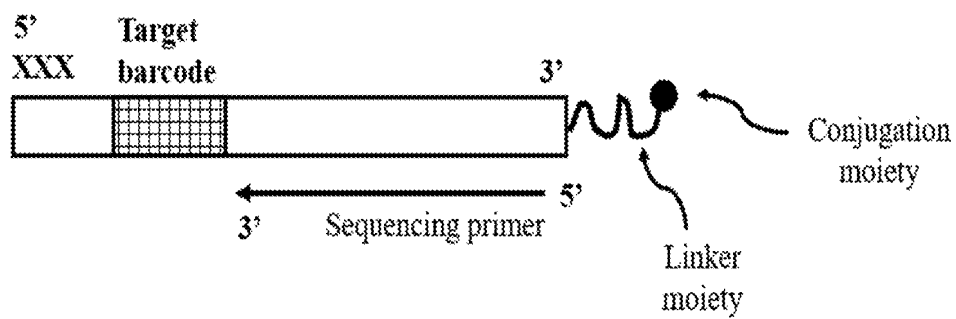


FIG. 19B

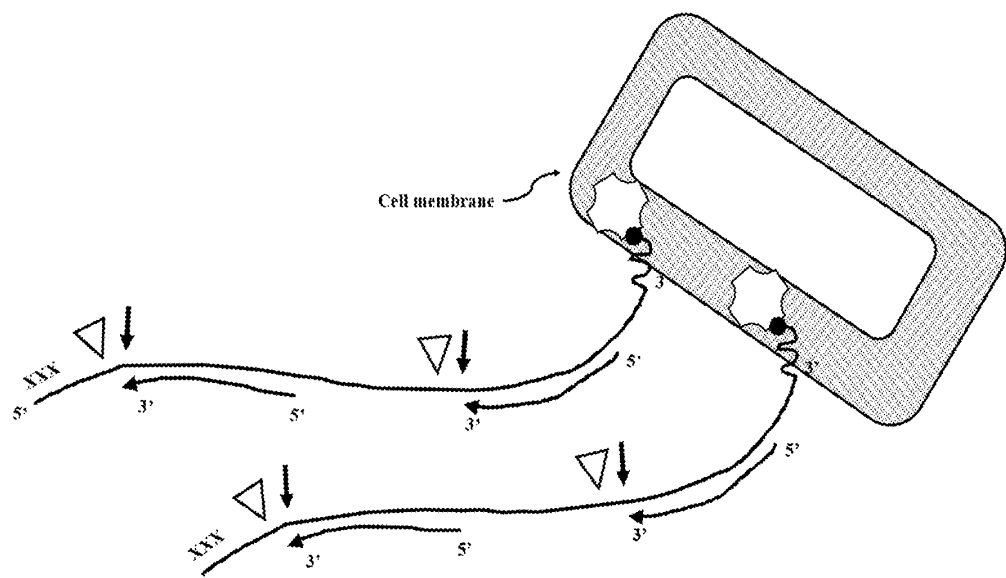


FIG. 20

	Base position in a target barcode (5' to 3' direction)											
	1	2	3	4	5	6	7	8	9	10	11	12
n-th barcode Target analyte												
1 st barcode Histone	C red	T green	A red	C red	C red	C red	G green	T green	G green	G green	T green	G green
2 nd barcode Tubulin	T green	C red	A red	A red	A red	A red	T green	G green	G green	G green	G green	T green
3 rd barcode HMOX1 (cytosol)	C red	A red	T green	C red	A red	C red	T green	G green	T green	G green	G green	G green
4 th barcode C Myc (nucleus)	C red	C red	C red	T green	C red	A red	G green	T green	G green	T green	G green	G green
5 th barcode GM130 (Golgi)	A red	A red	A red	C red	C red	T green	T green	G green	G green	T green	T green	T green

FIG. 21