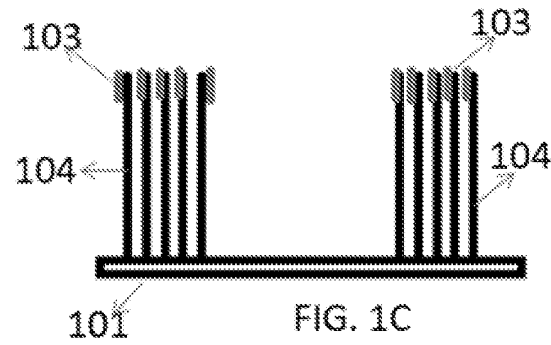
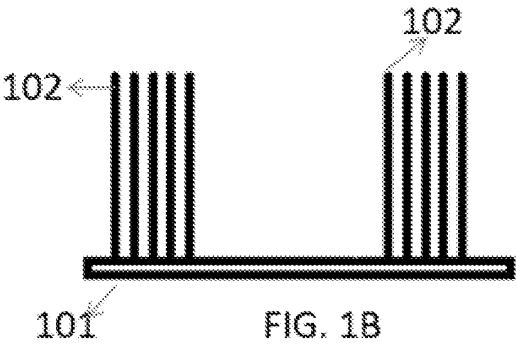
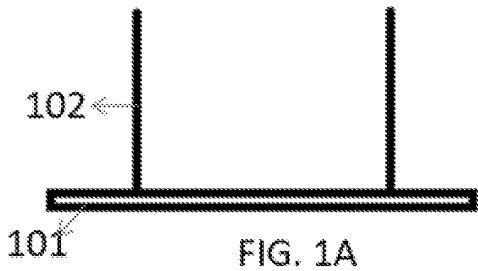
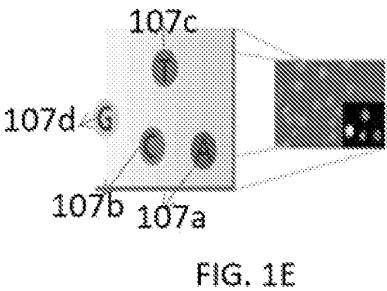
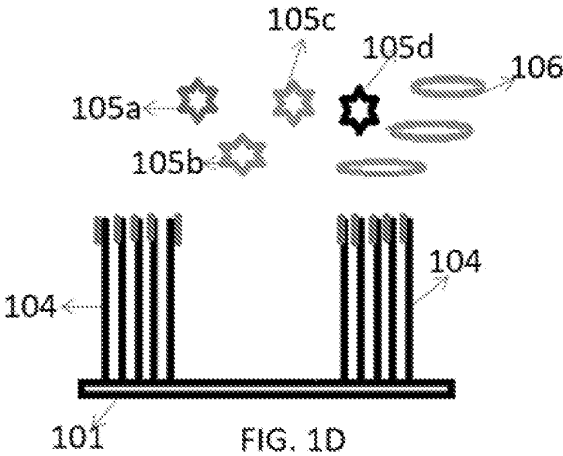






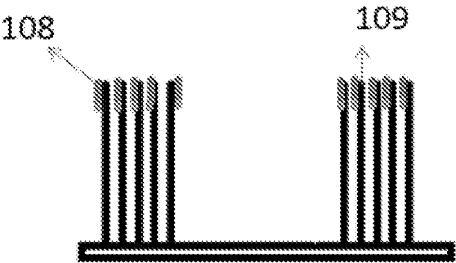


FIG. 1F

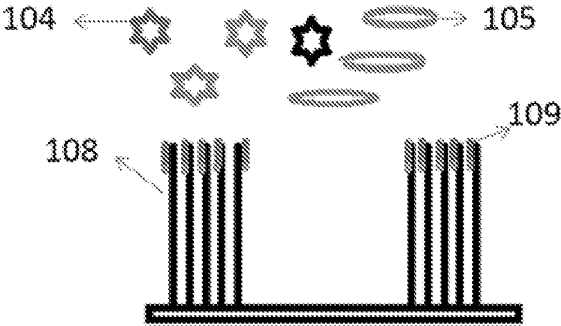


FIG. 1G

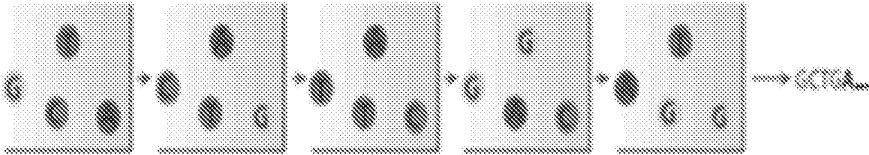


FIG. 1H

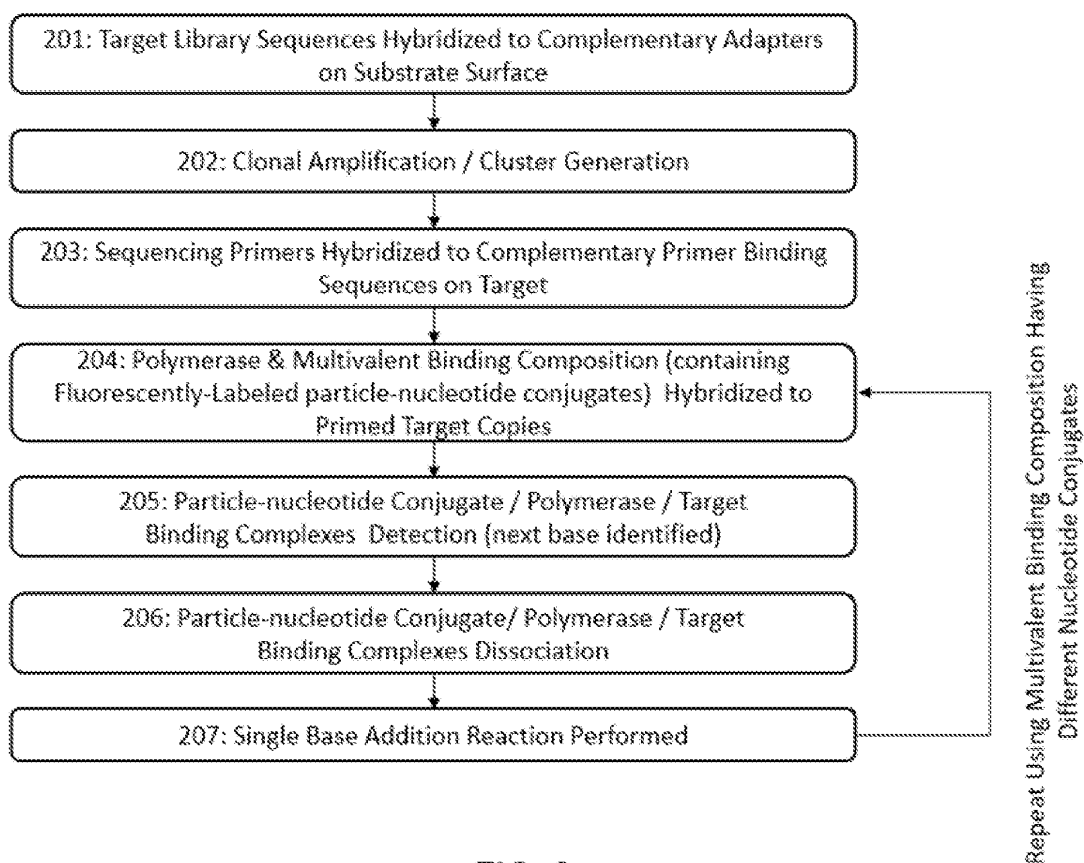


FIG. 2

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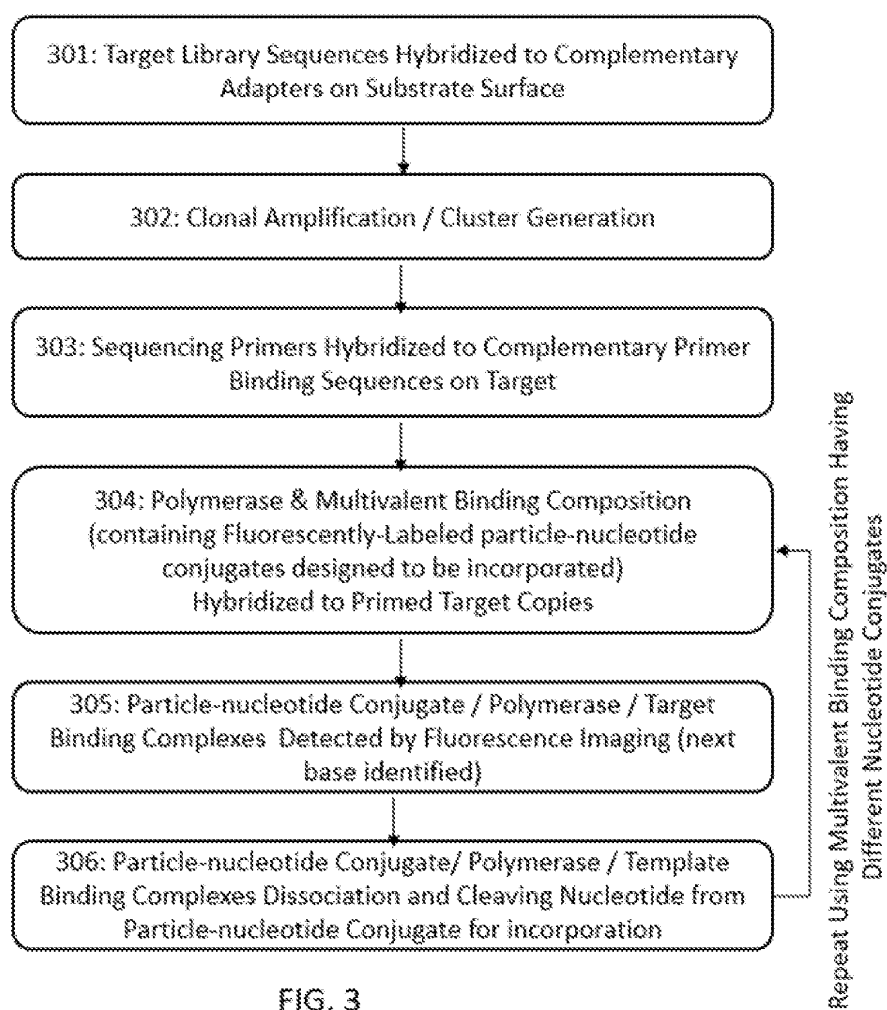


FIG. 3

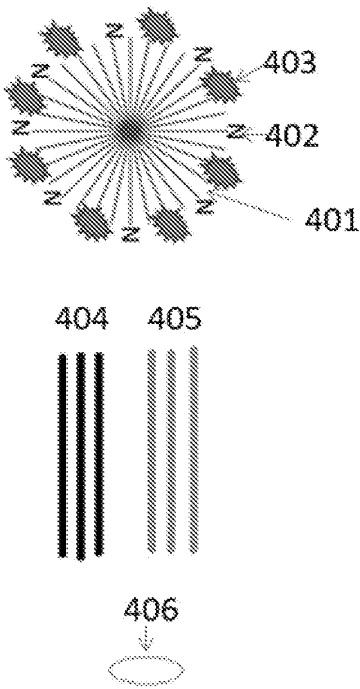


FIG. 4A

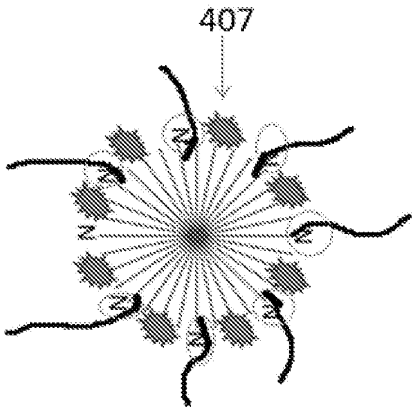
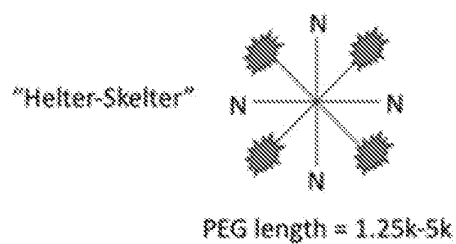
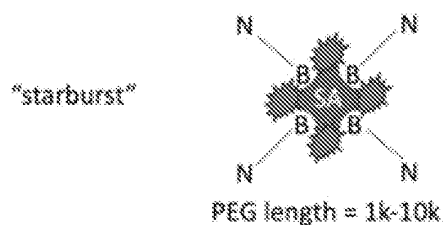


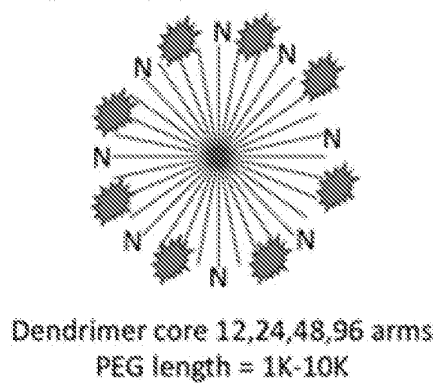
FIG. 4B

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Class I
Valency = 0-4
Homogenous population with saturation

**FIG. 5A**

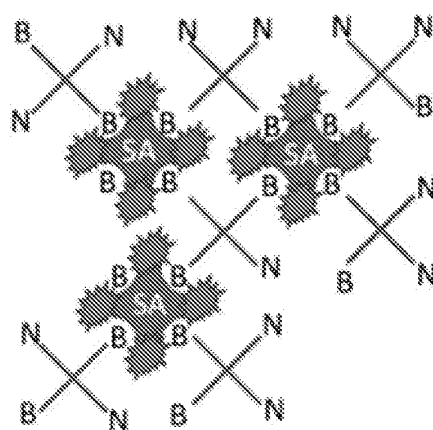
Class II
Valency >4
Homogenous population with Saturation



Other cores = dextrans, other polymers

FIG. 5B

Class III
Valency >4
Distribution of sizes based on construction



8arm PEG-NHS mixed with Biotin-NH₂
and dNTP-NH₂ then mixed with labeled
streptavidin

FIG. 5C

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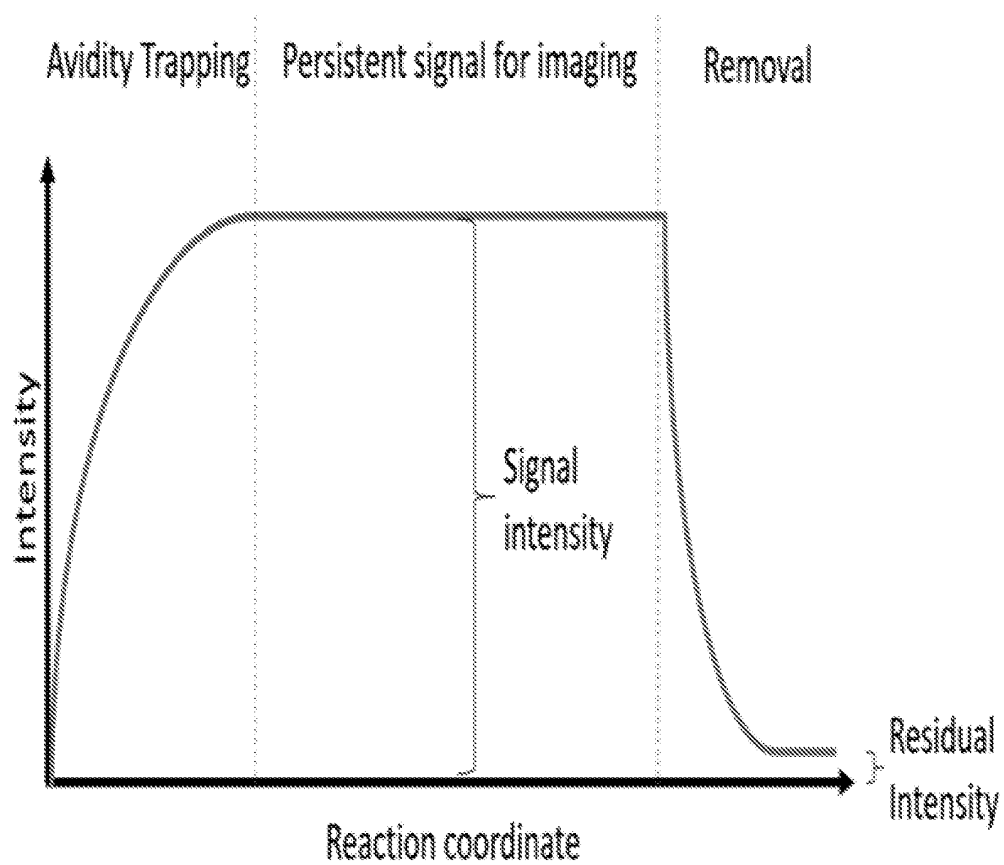
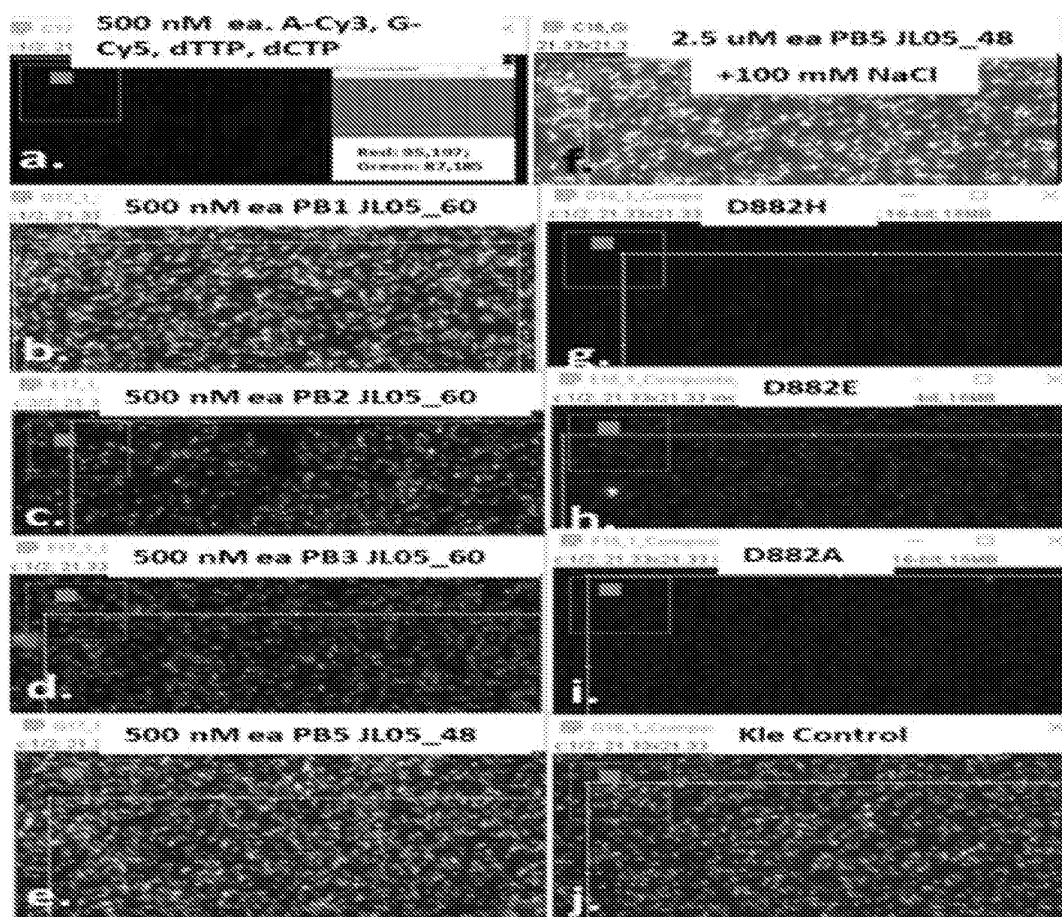


FIG. 6

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FIGS. 7A-7J

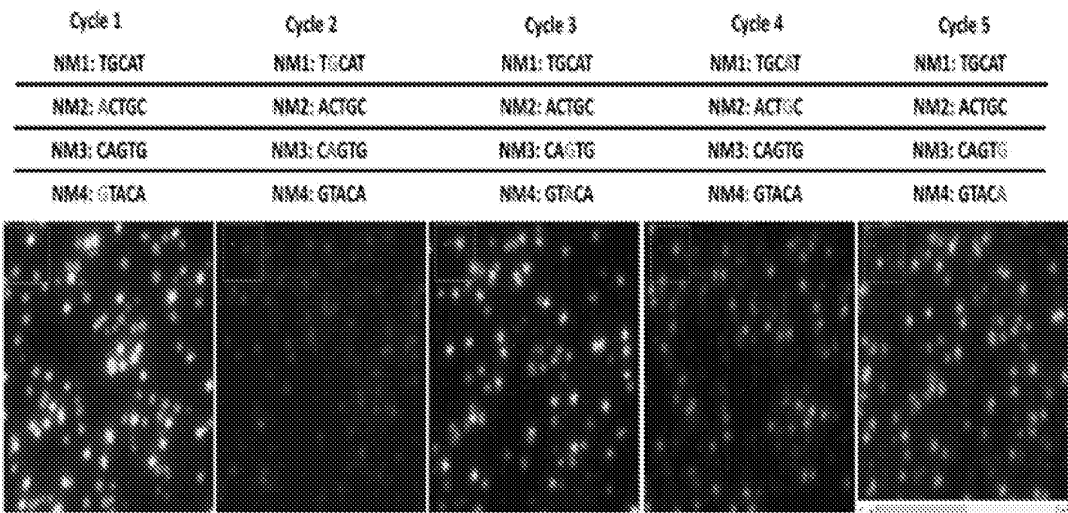
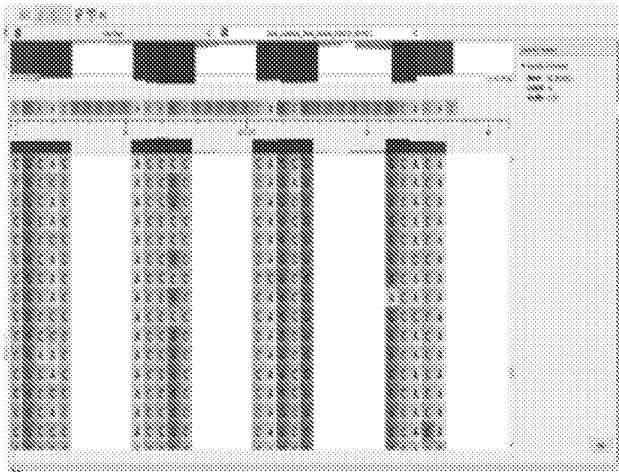


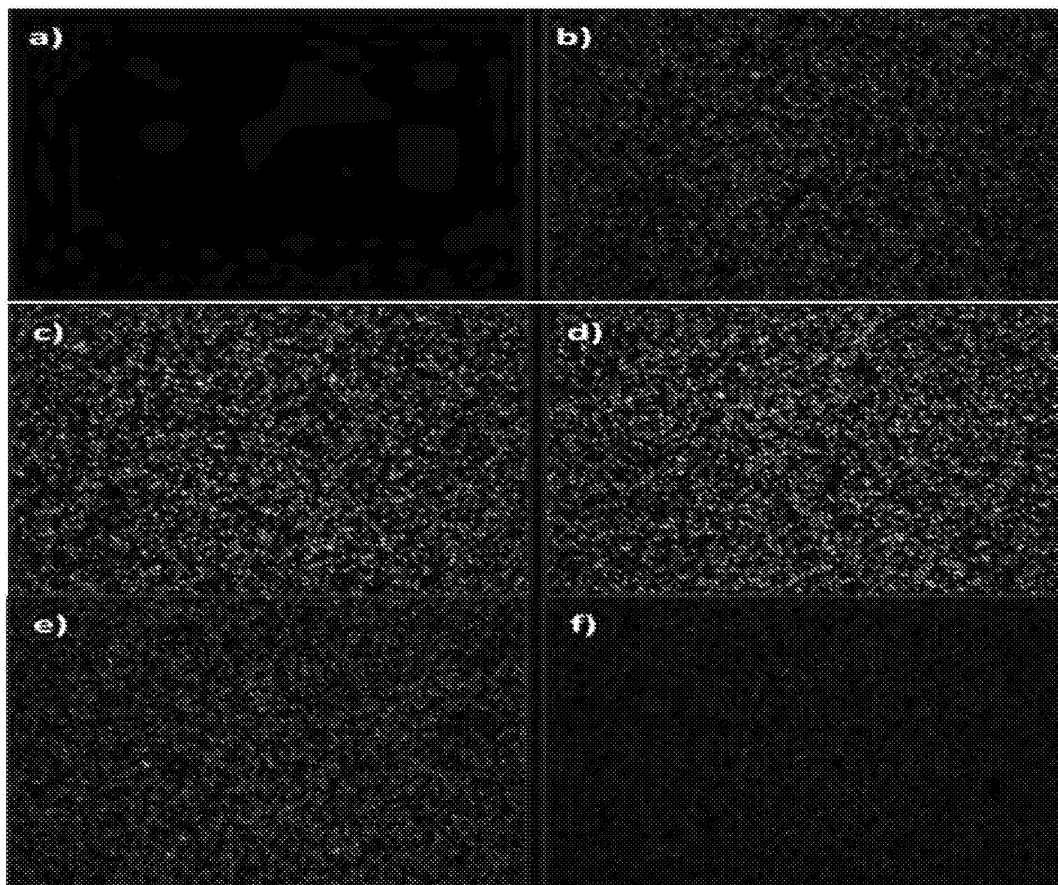
FIG. 8A

- 5 Cycles:
- G: Cy3 (Green)
- A: Cy5 (Red)
- C: dark bases (both C & T)



Expected Seq	#
CGCAC	1484
ACCGC	1466
CAGCG	1515
GCACA	1320
# correct	5785
total reads	10508
#read in FOV	9238
% correct	0.626218
allow 1 error	8727
%mapped	0.83051

FIG.8B



FIGS. 9A-9F

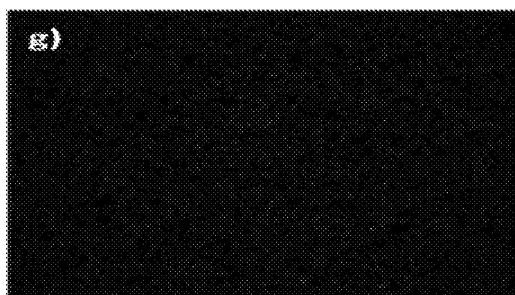


FIG. 9G

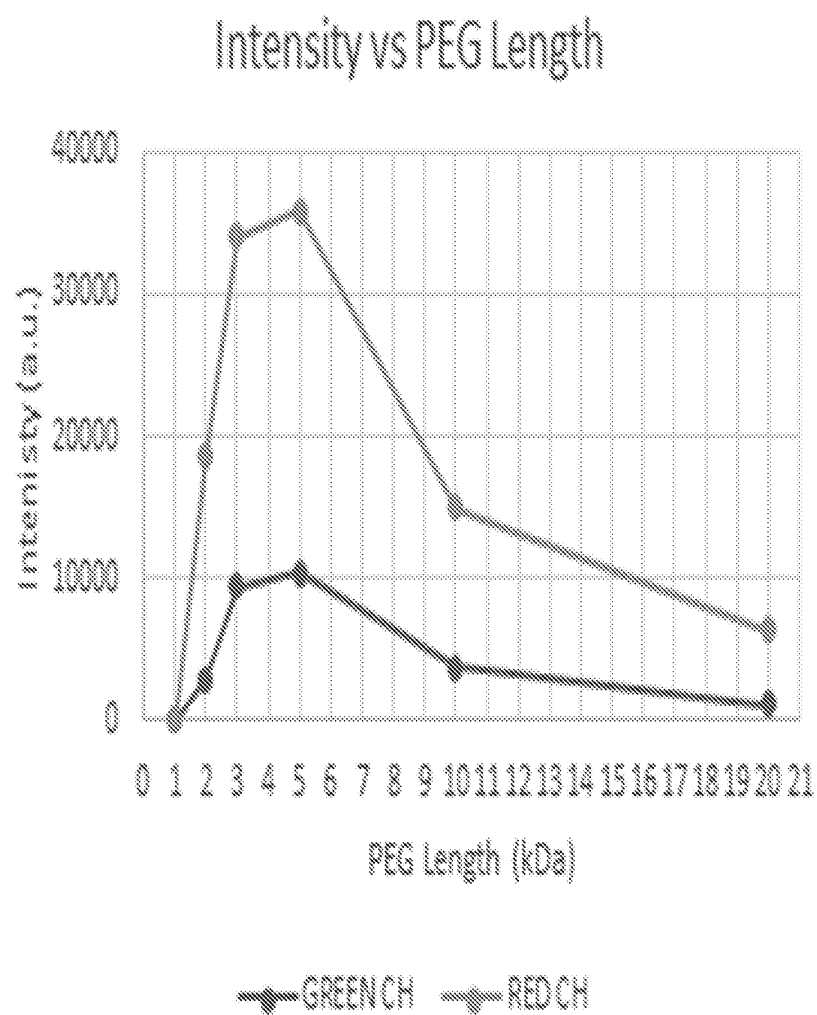


FIG. 10

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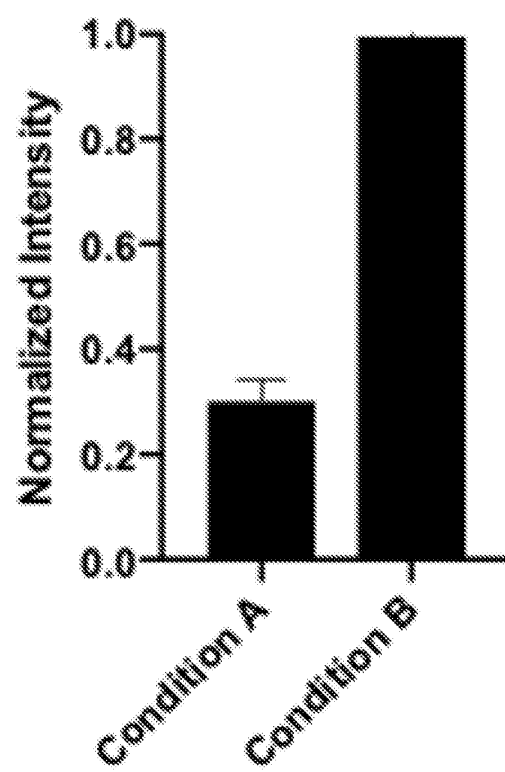


FIG.11

FIG.12A

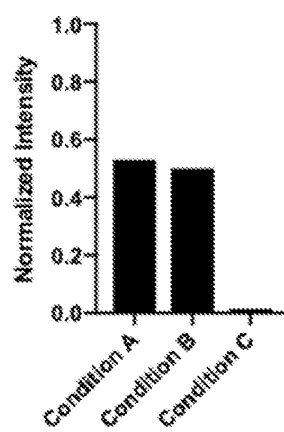


FIG.12B

