

FIG. 1

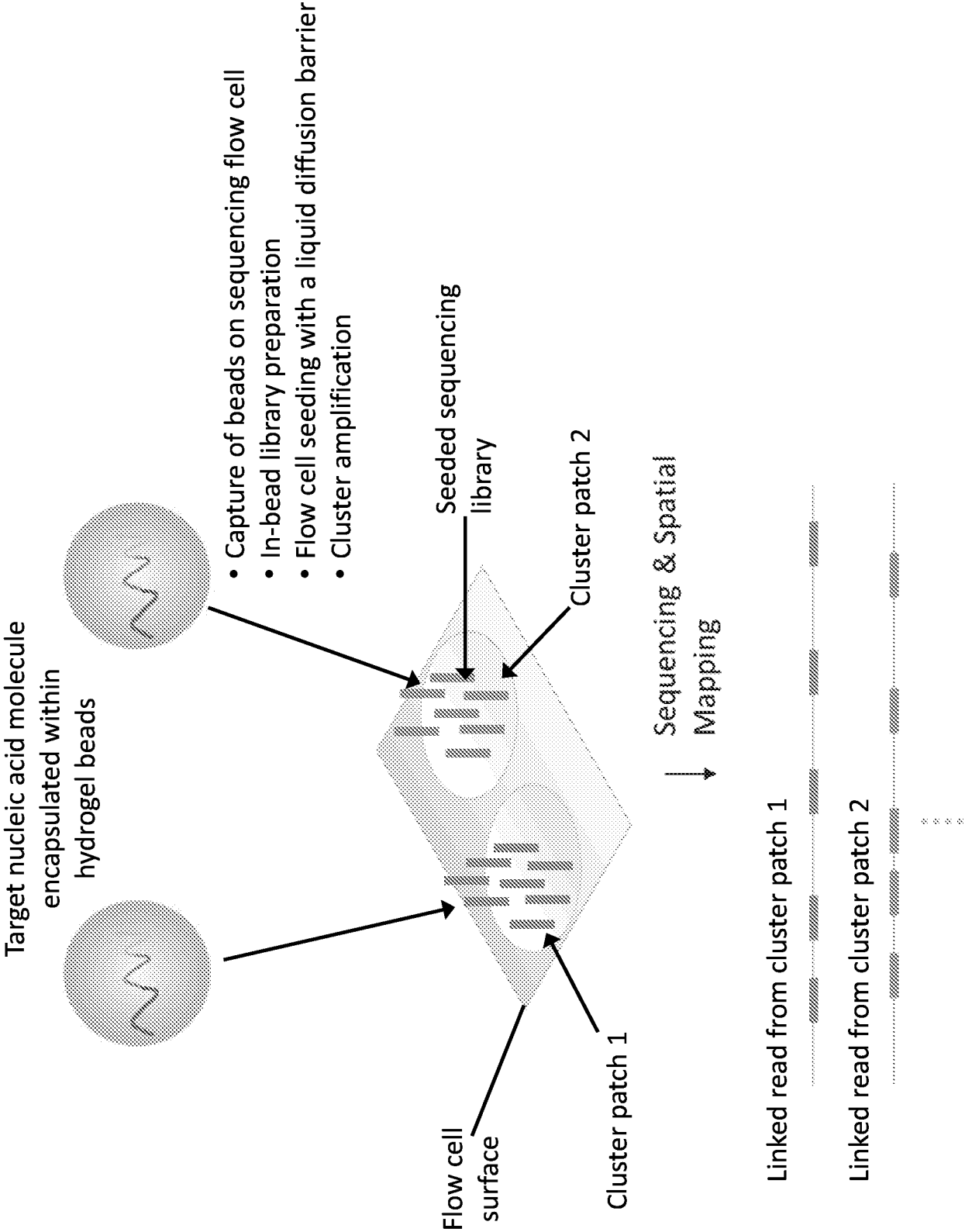


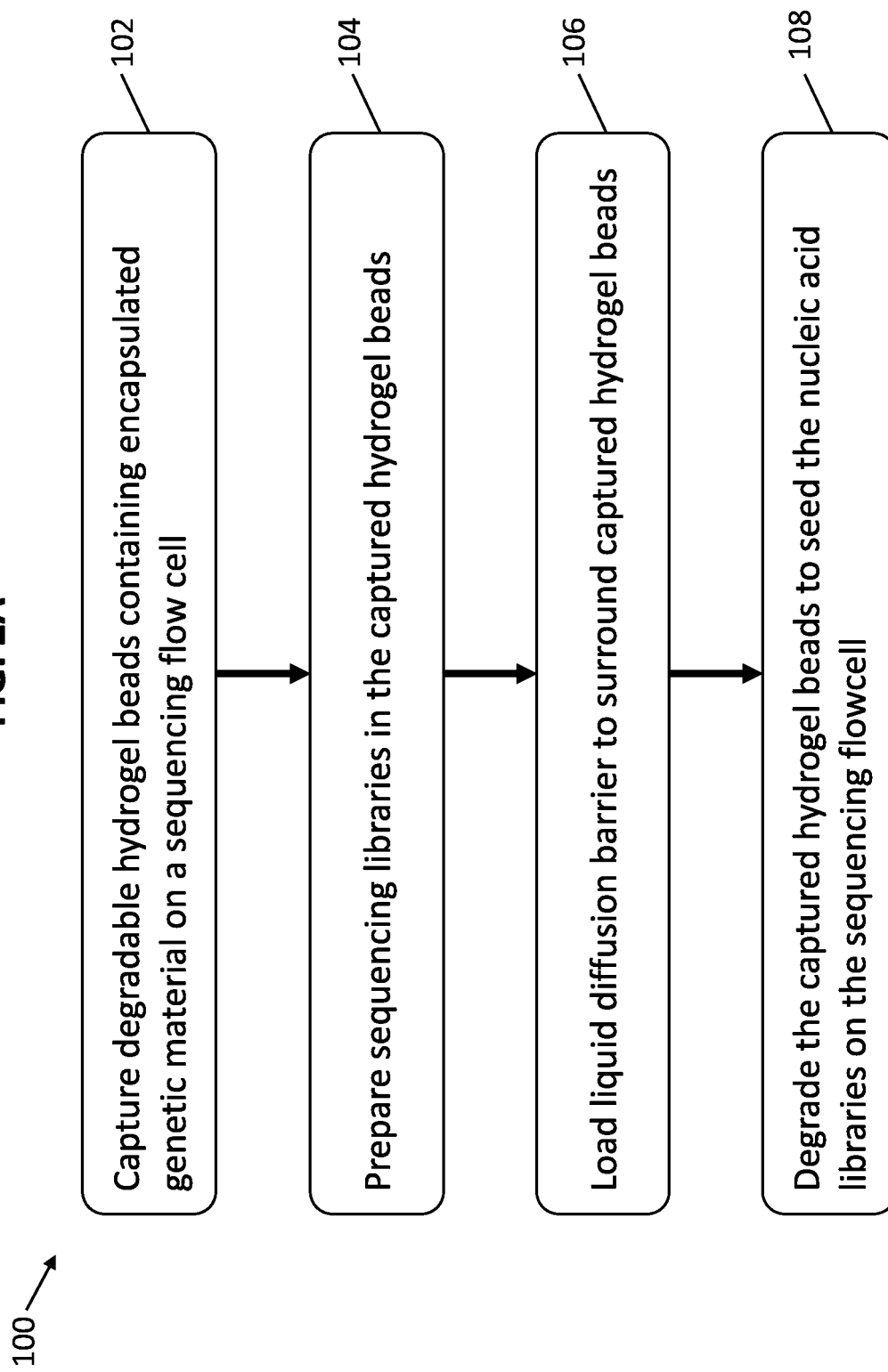
FIG. 2A

FIG. 2B

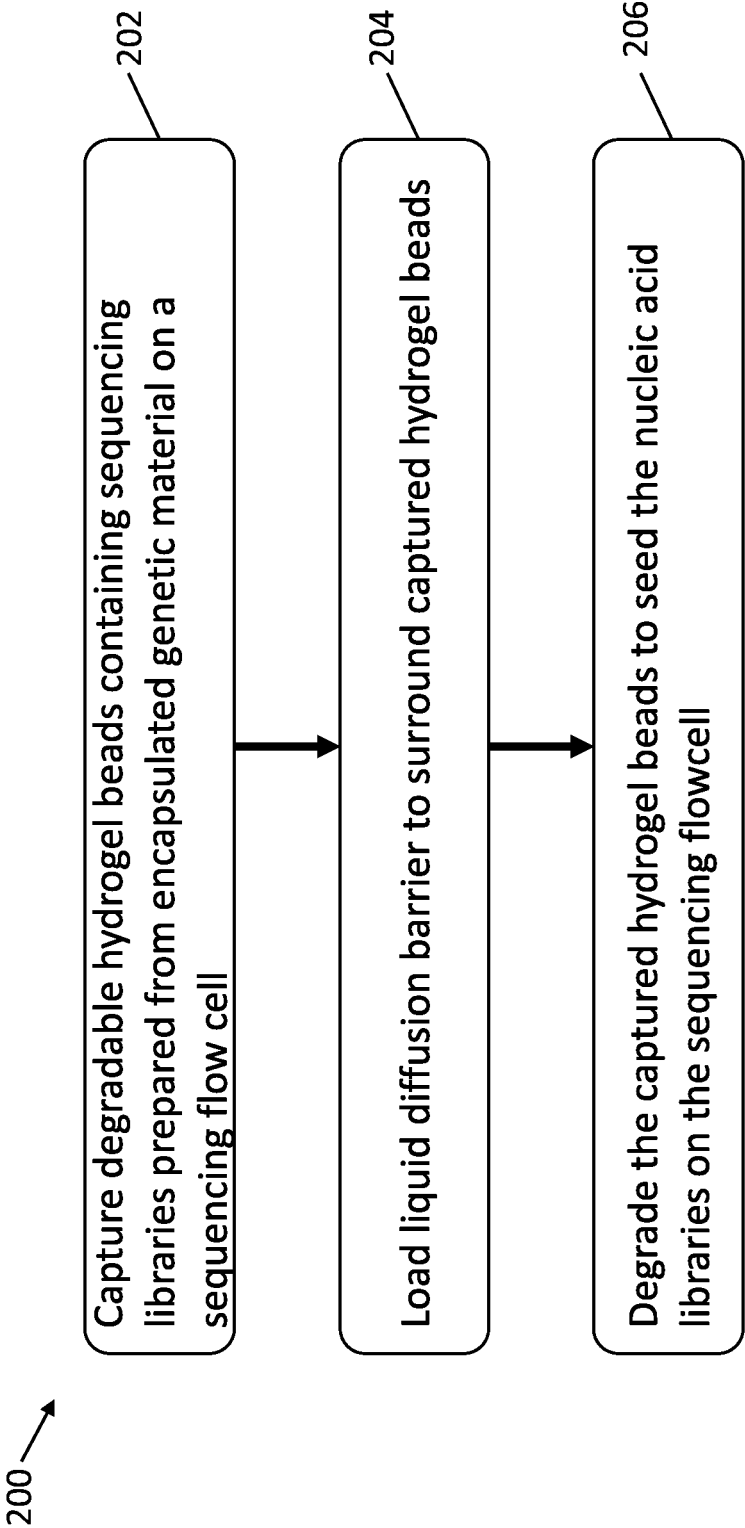


FIG. 3B

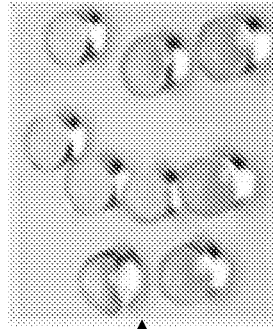


FIG. 3A

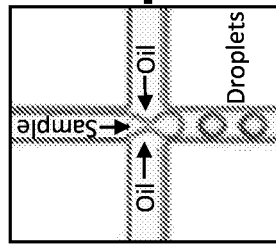


FIG. 3D

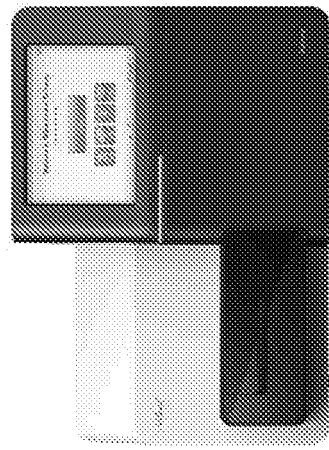


FIG. 3C

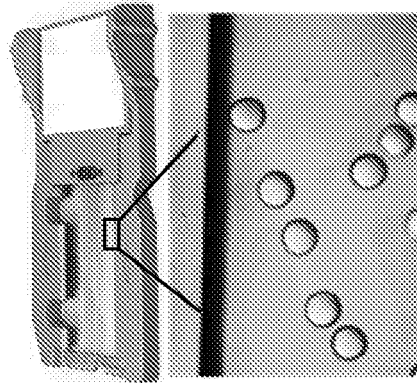


FIG. 4A

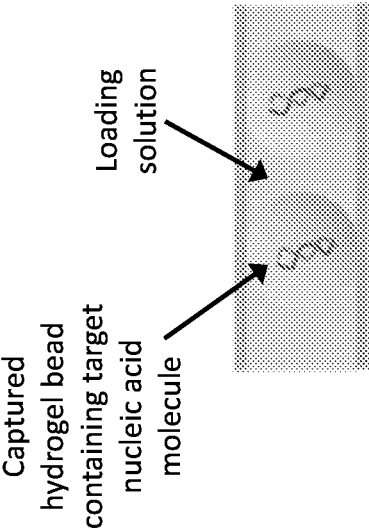


FIG. 4B

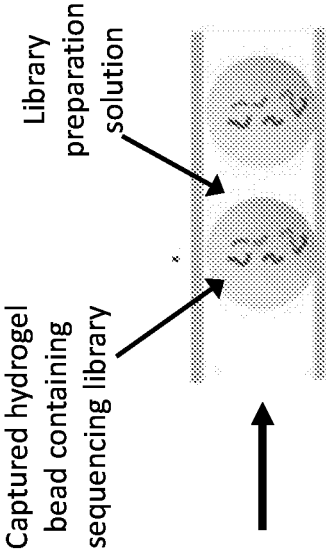


FIG. 4C

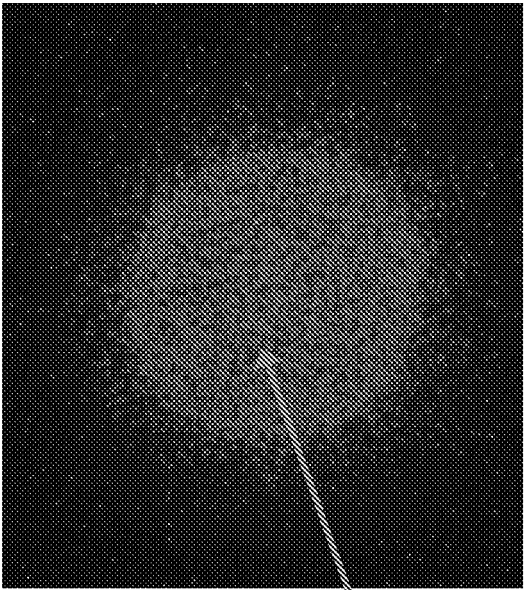
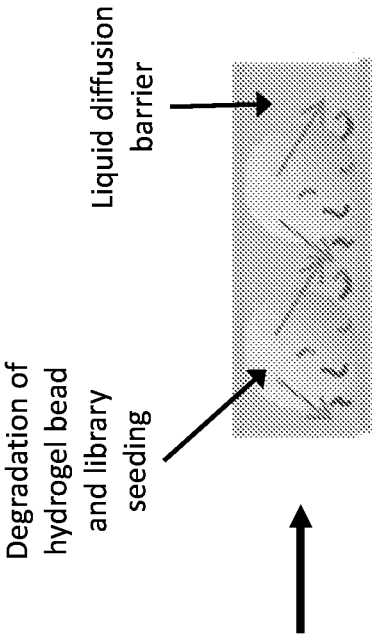


FIG. 5A

~100 kb genomic fragment
in hydrogel bead



No MDA

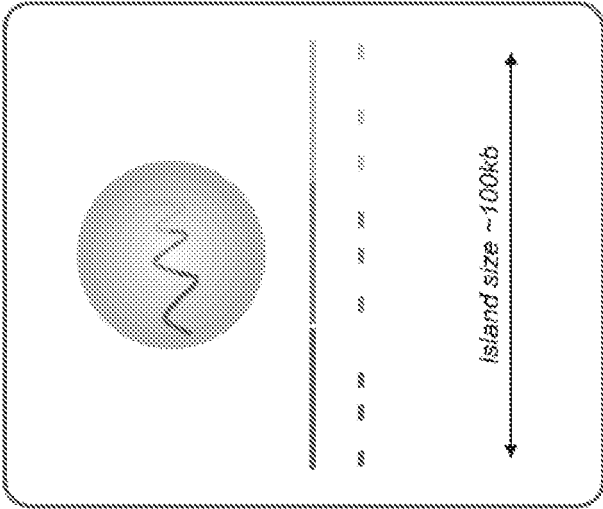


FIG. 5B

~100 kb genomic fragment in
hydrogel bead



MDA in Hydrogel

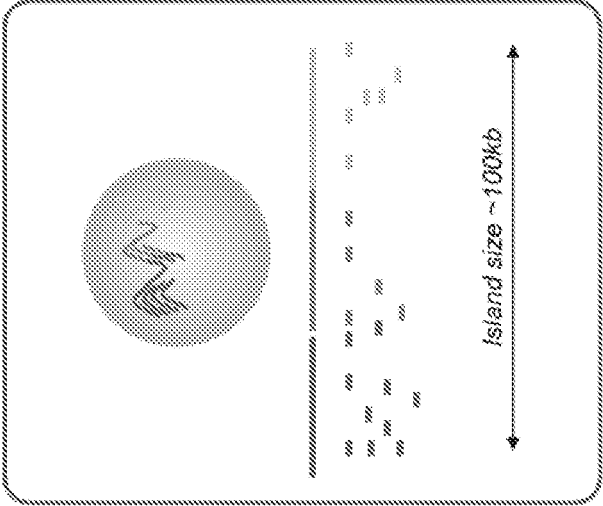


FIG. 5C

10-20 kb genomic fragment
in hydrogel bead



MDA in Hydrogel

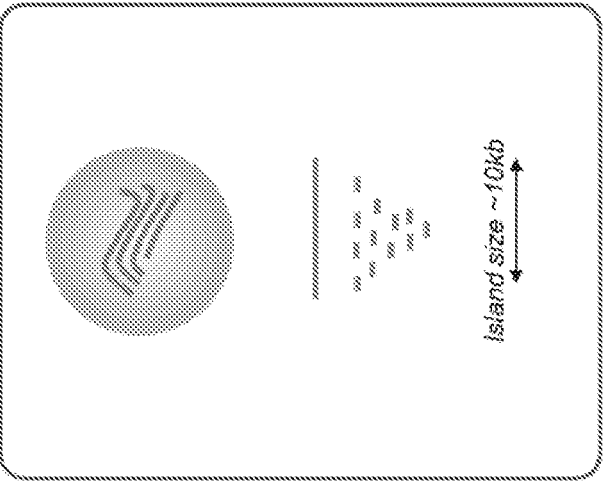


FIG. 6

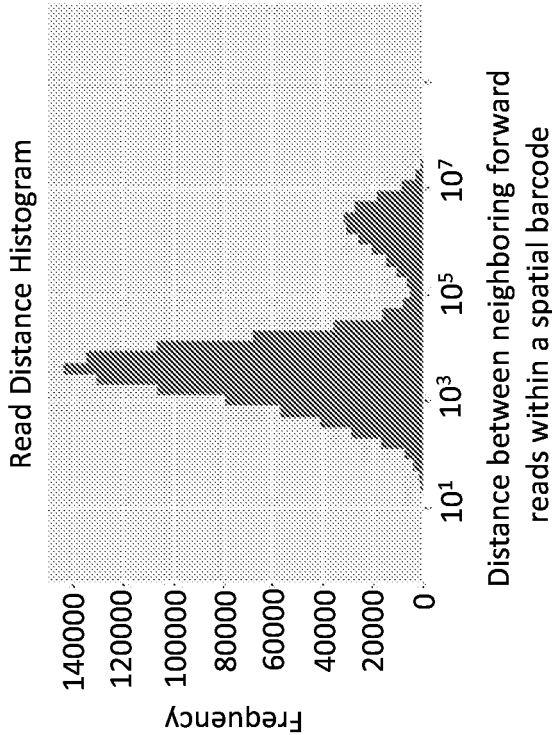
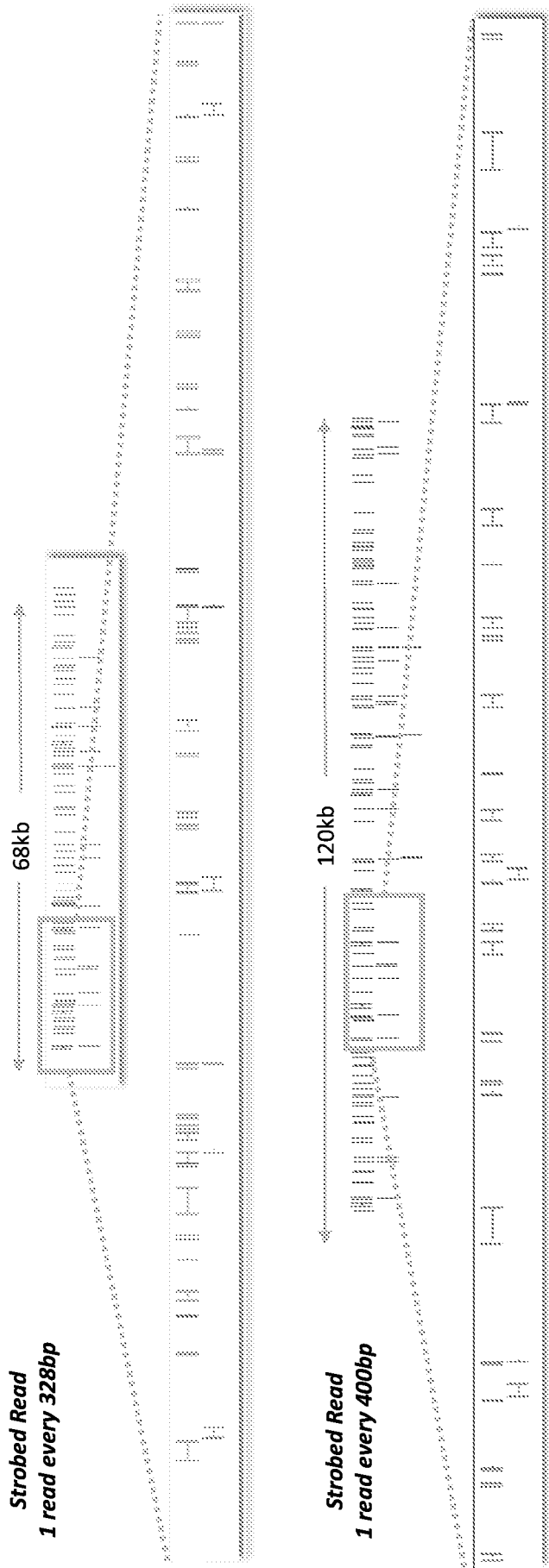


FIG. 7
Sequence reads from a single bead

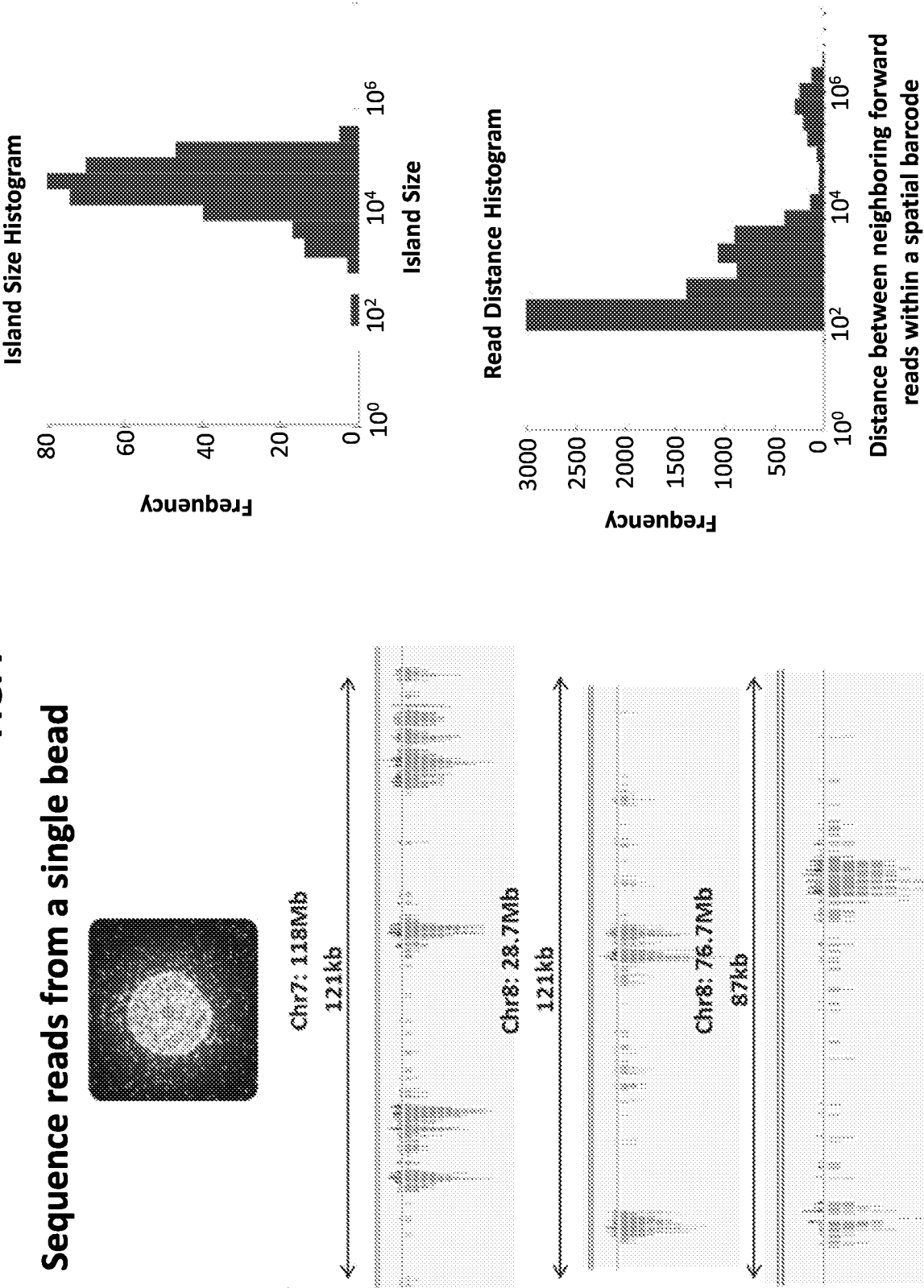


FIG. 8

Sequence reads from a single bead

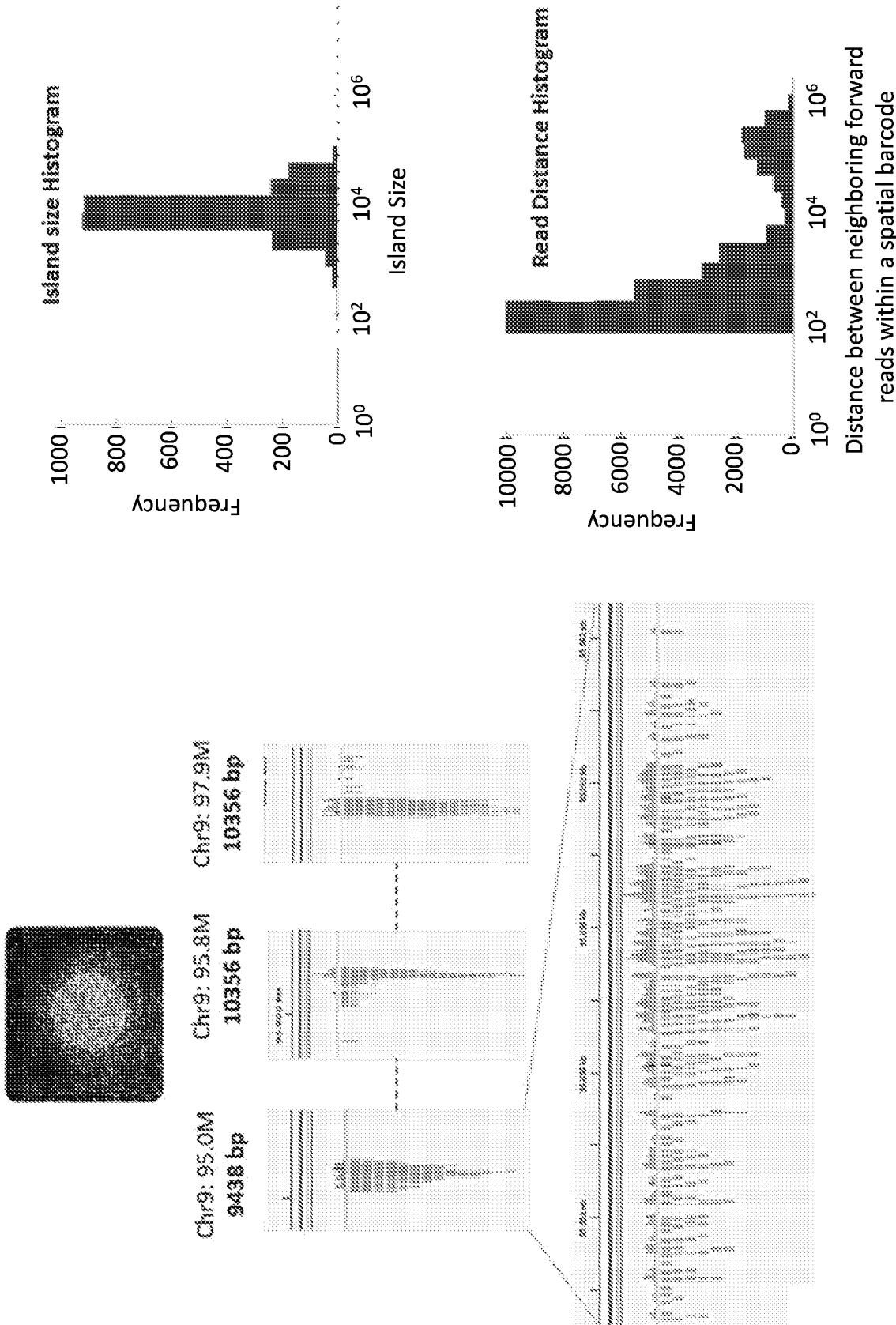


FIG. 9A

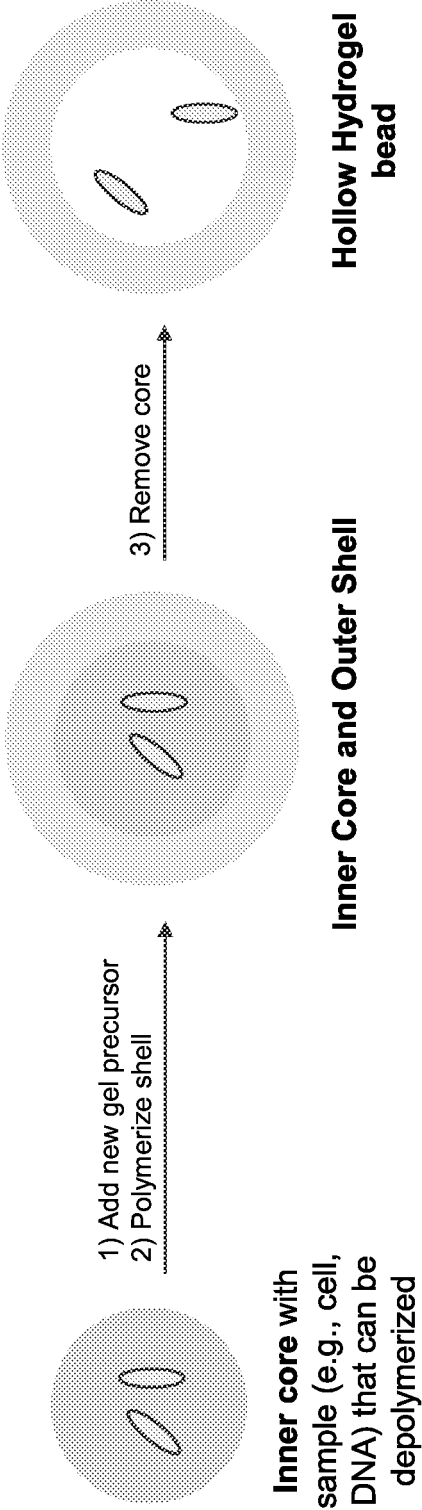


FIG. 9B

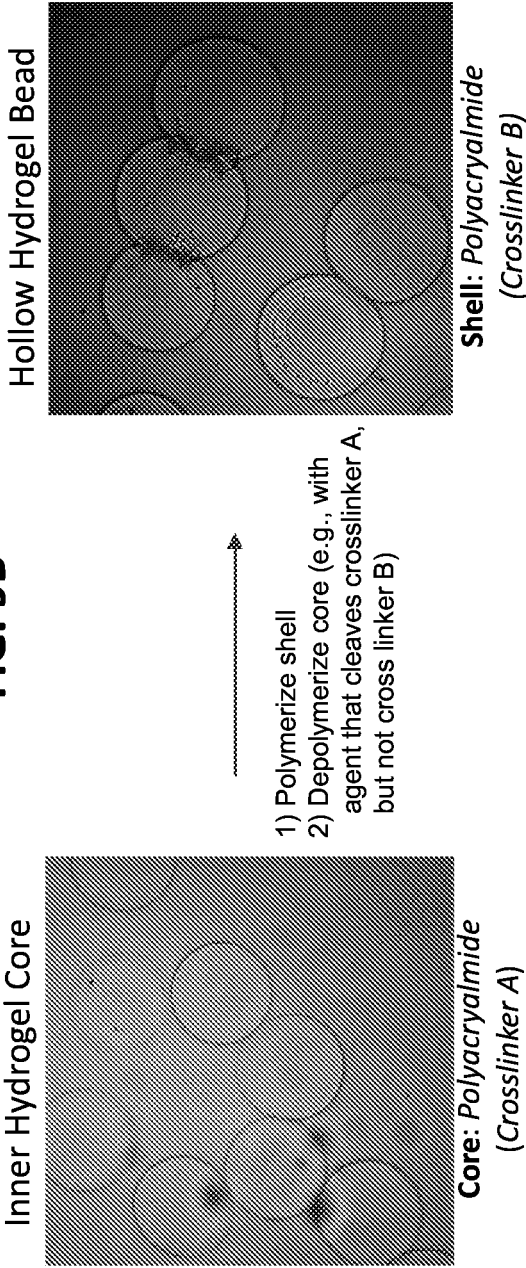


FIG. 9C

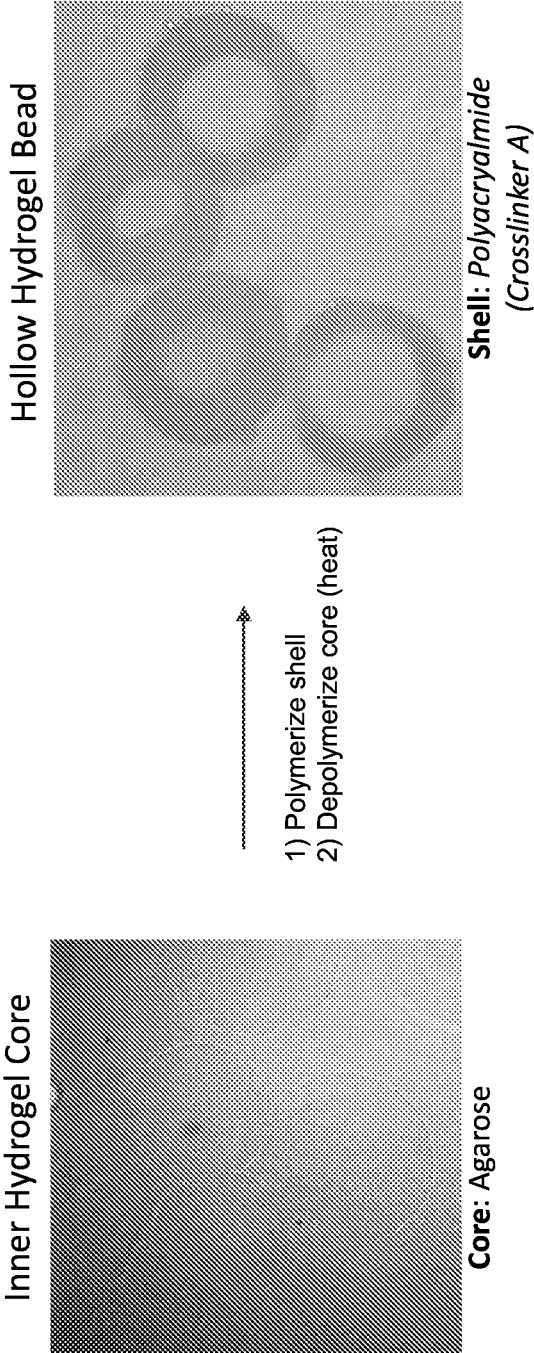


FIG. 10A

Exemplary workflow using direct cell lysate input

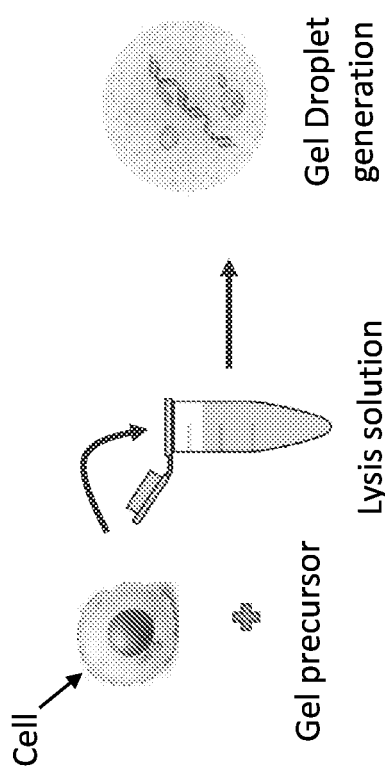


FIG. 10B

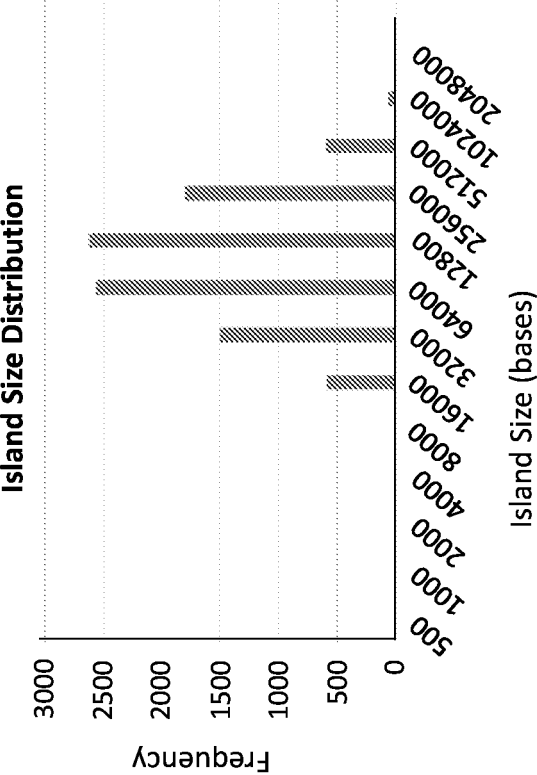


FIG. 10C

Longest islands observed

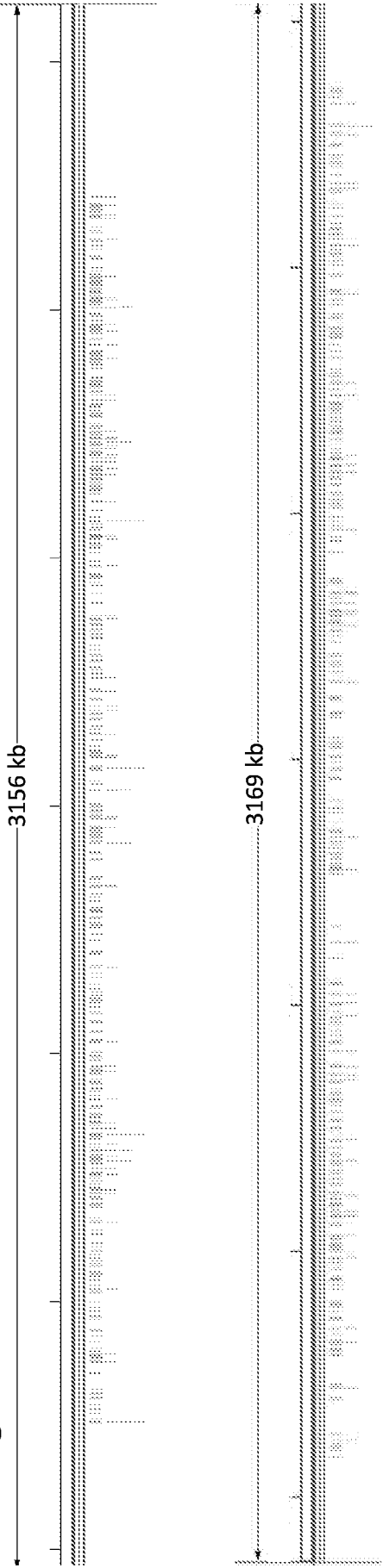


FIG. 11
Sequential bead loading and processing
for multiplex sample Indexing

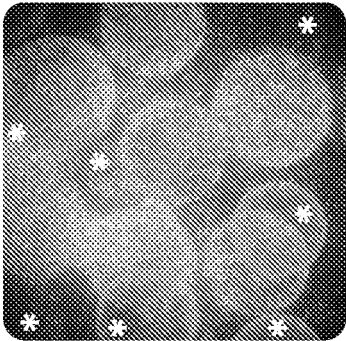
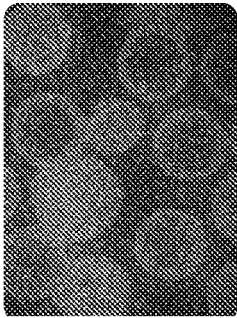


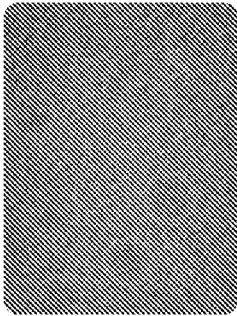
FIG. 12A



Seeded library using hydrogel beads
for spatial indexing
(before seeding of interstitial space)

↑
Seed additional library to
utilize interstitial space

FIG. 12B



Seeded library using hydrogel beads
for spatial indexing
(after seeding of interstitial space)

FIG. 13A

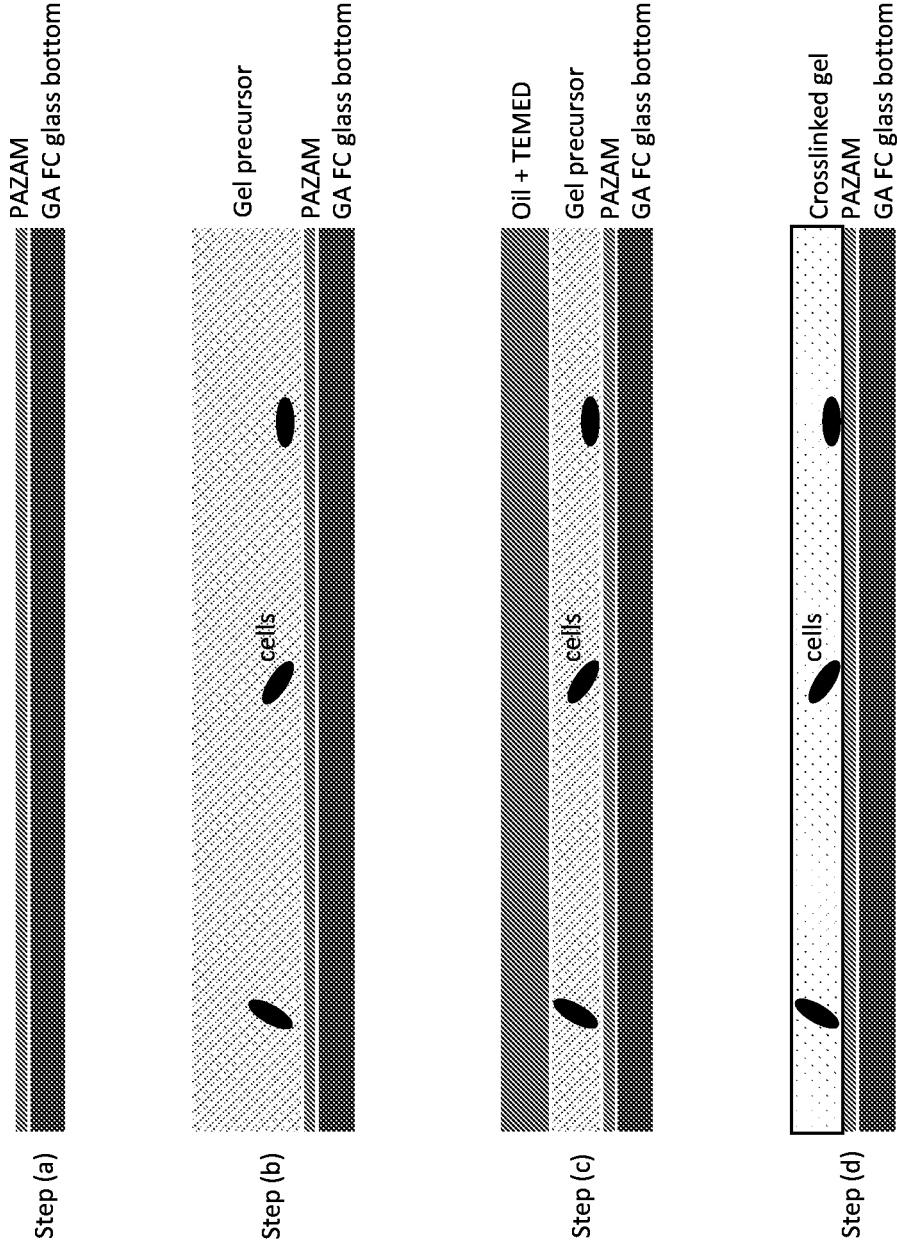
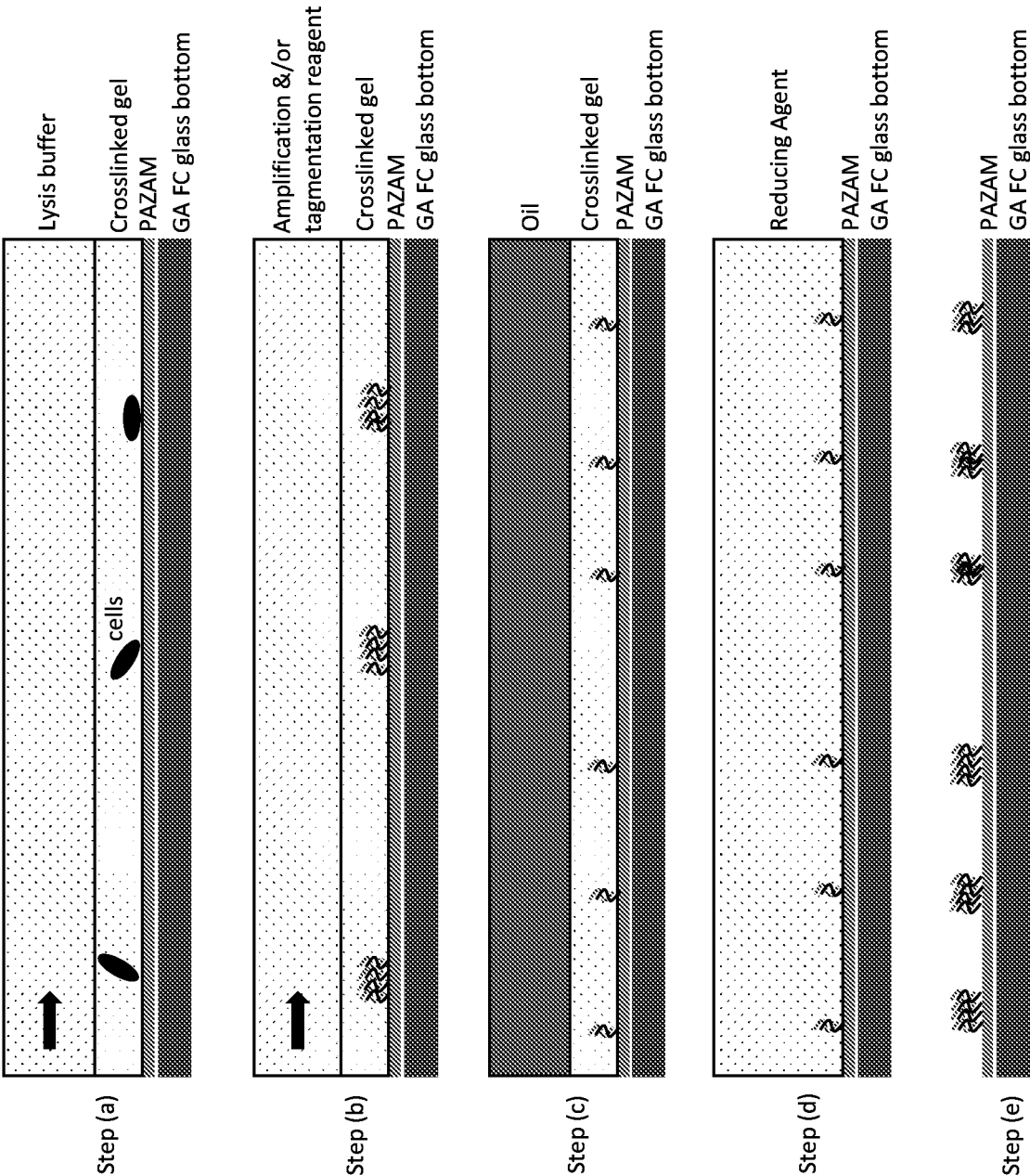


FIG. 13B



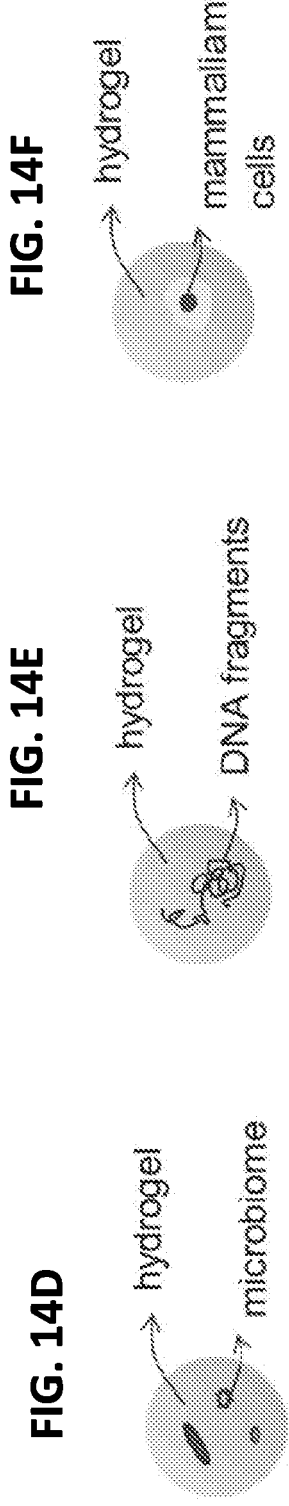
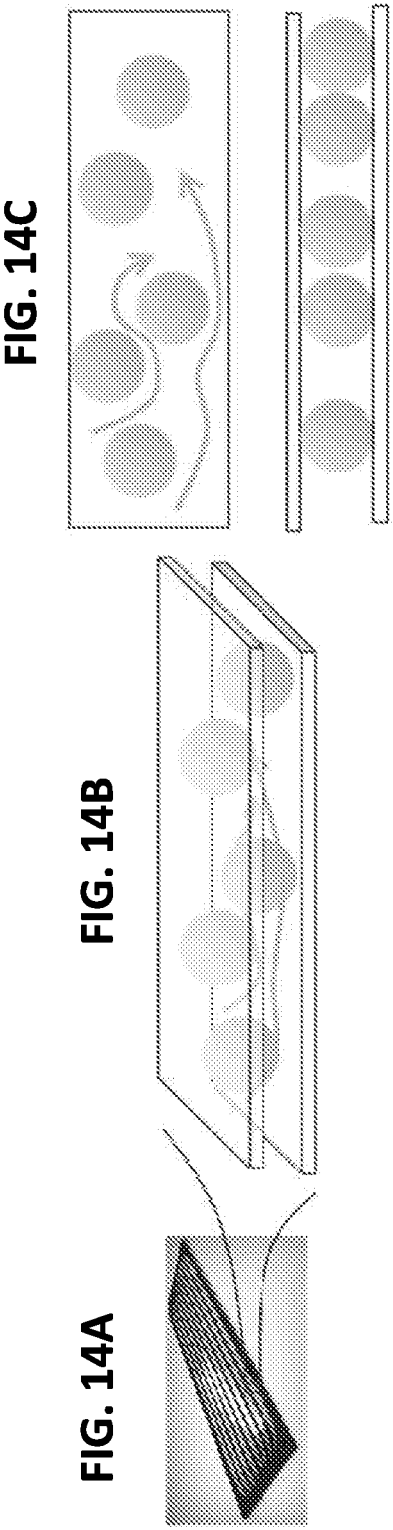


FIG. 15C

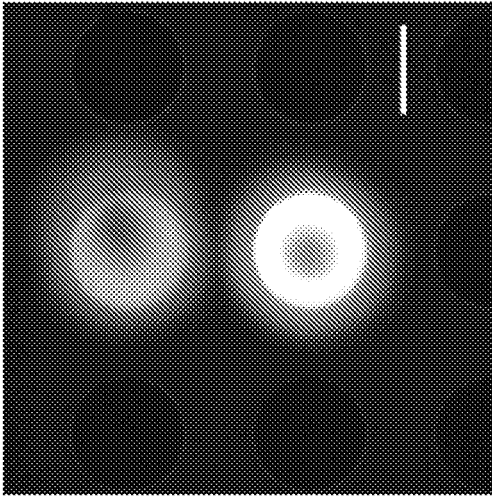


FIG. 15B

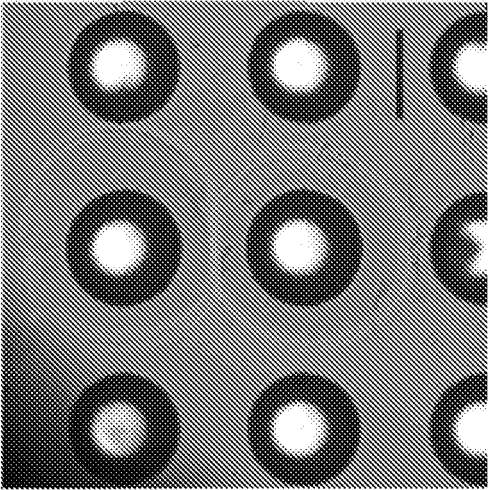


FIG. 15A

**pattern flow cell surface
to array the hydrogel
bead pillars**

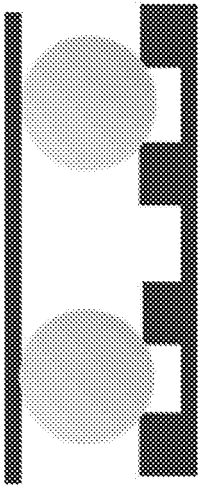


FIG. 16B

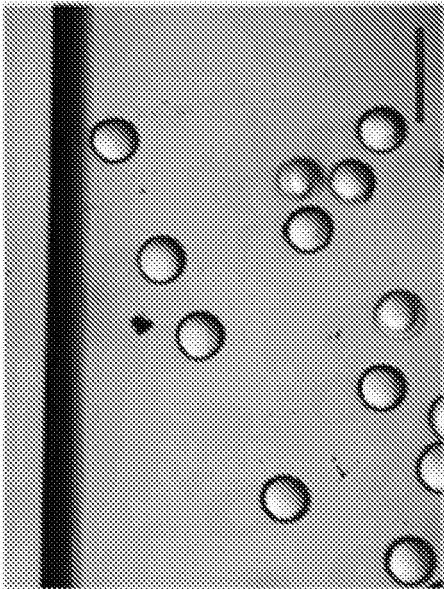


FIG. 16A

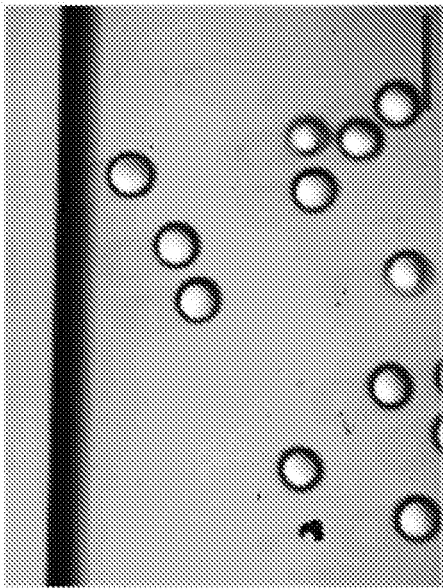


FIG. 16C

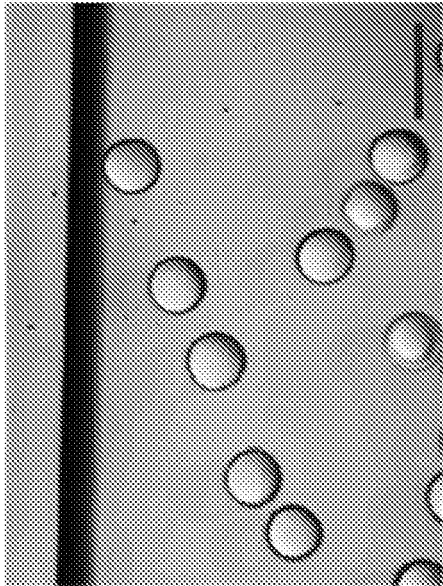


FIG. 17

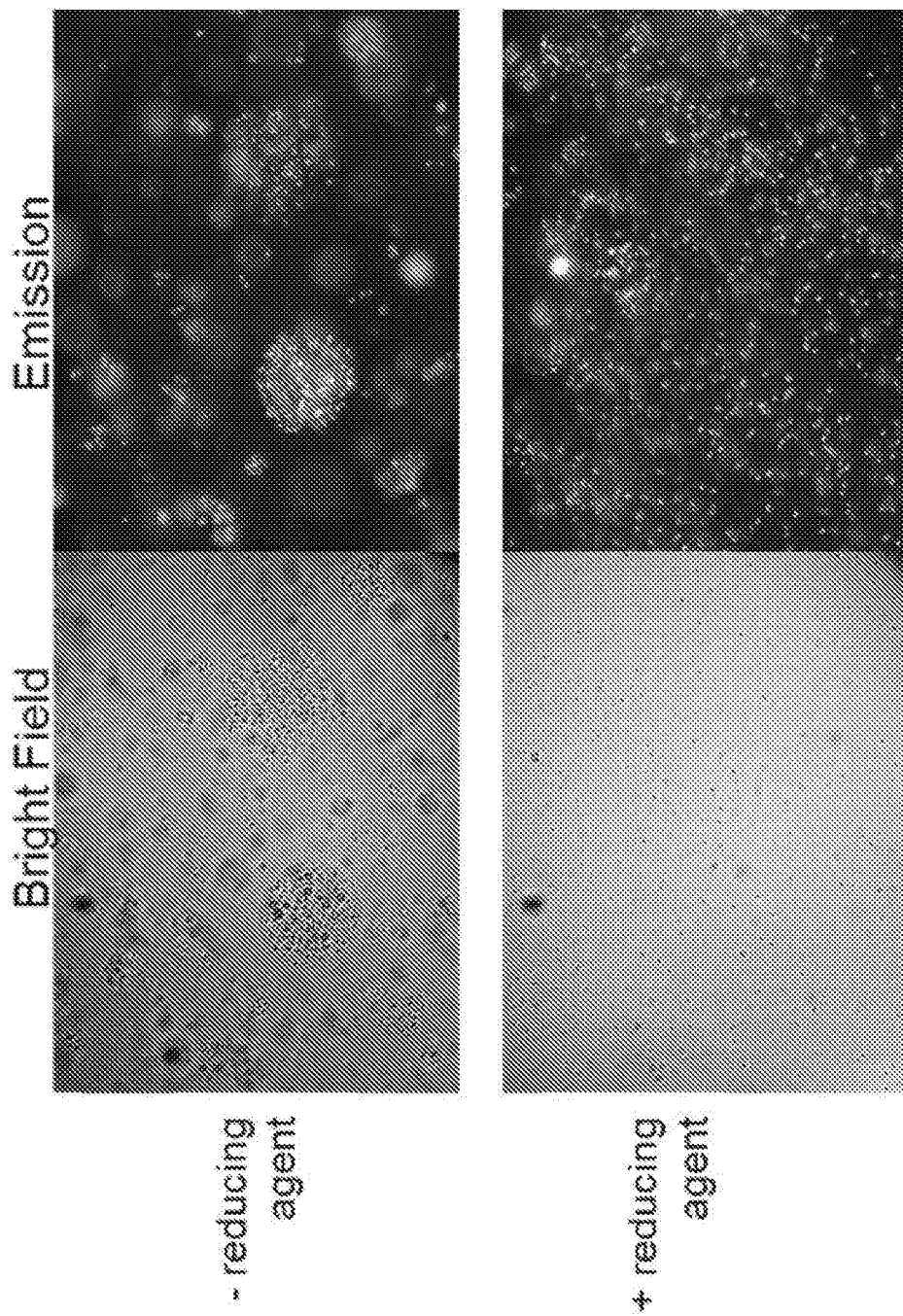


FIG. 18A

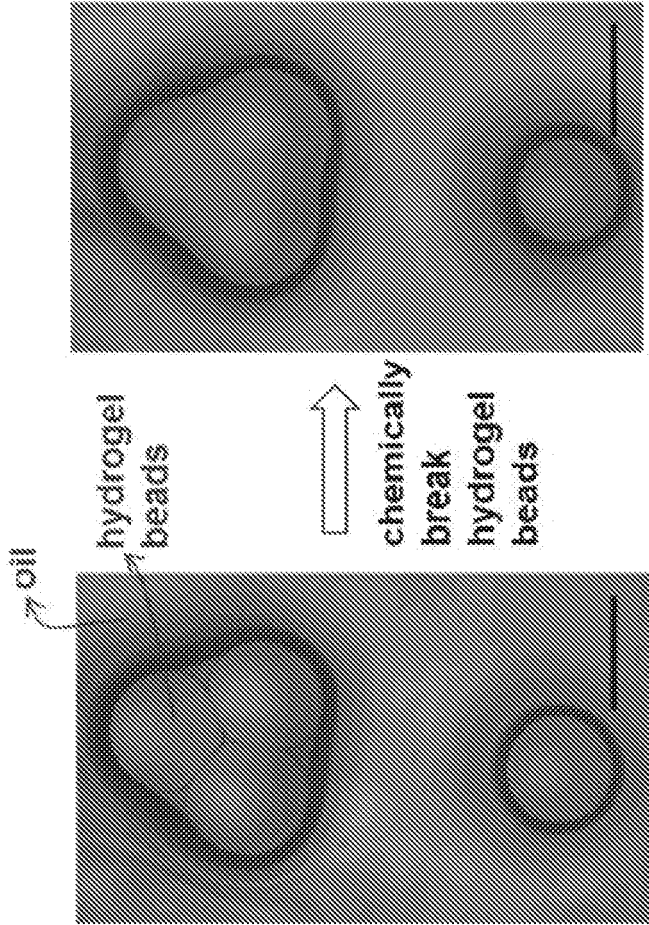


FIG. 18B

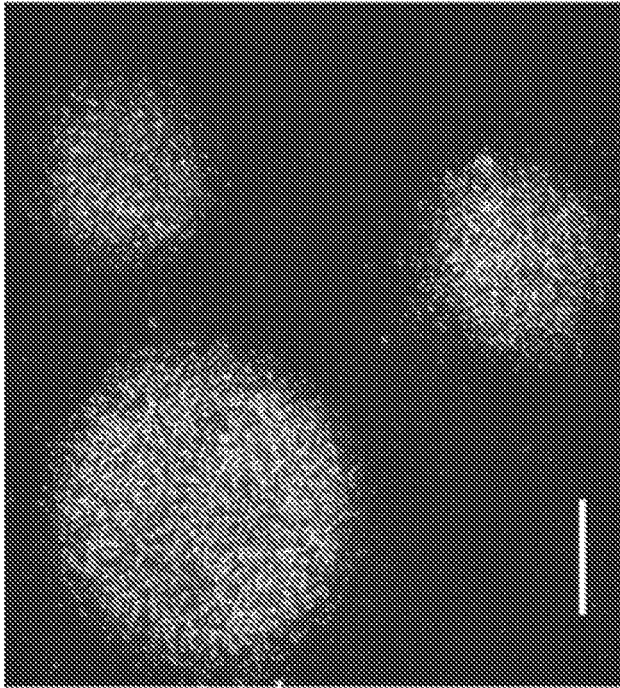


FIG. 19B

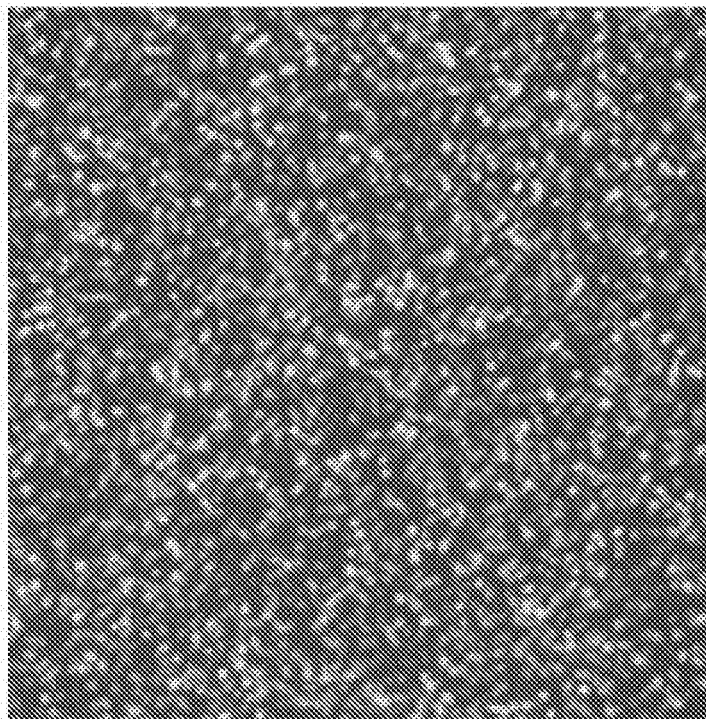
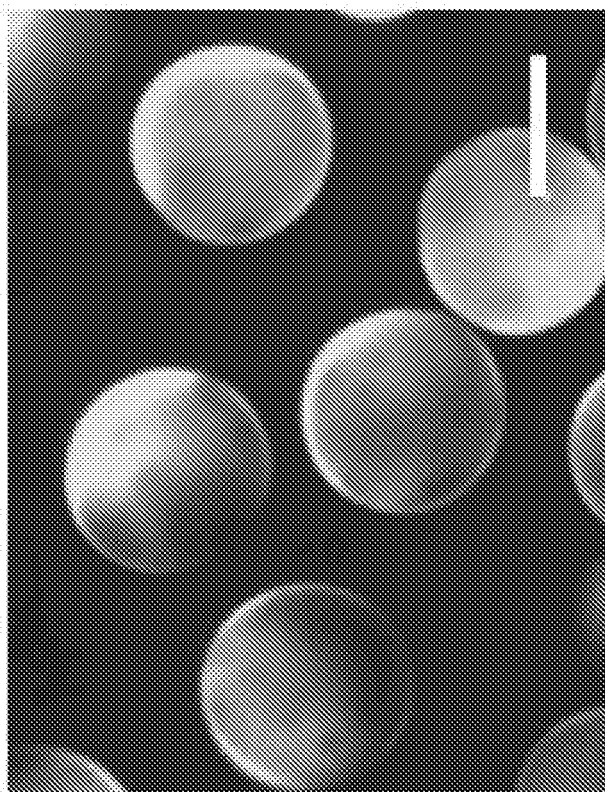


FIG. 19A



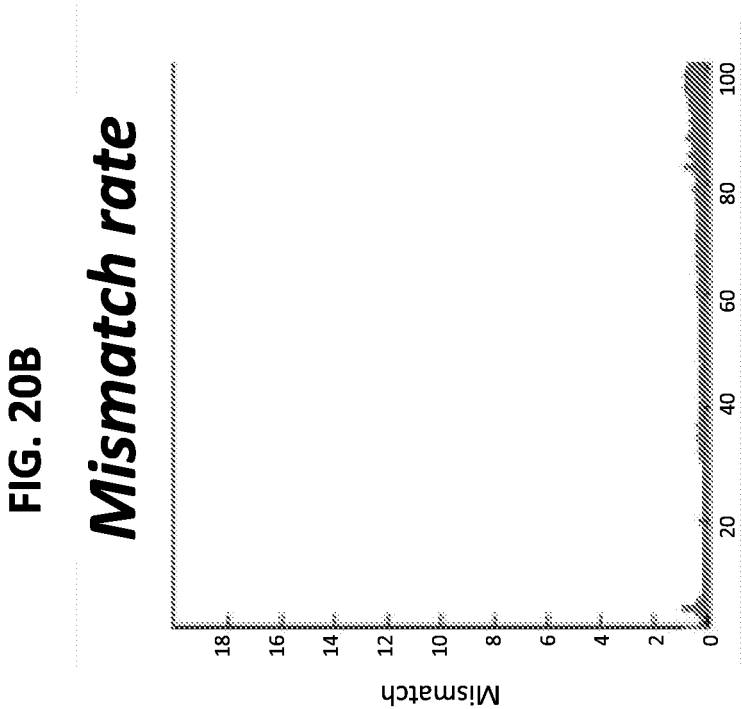
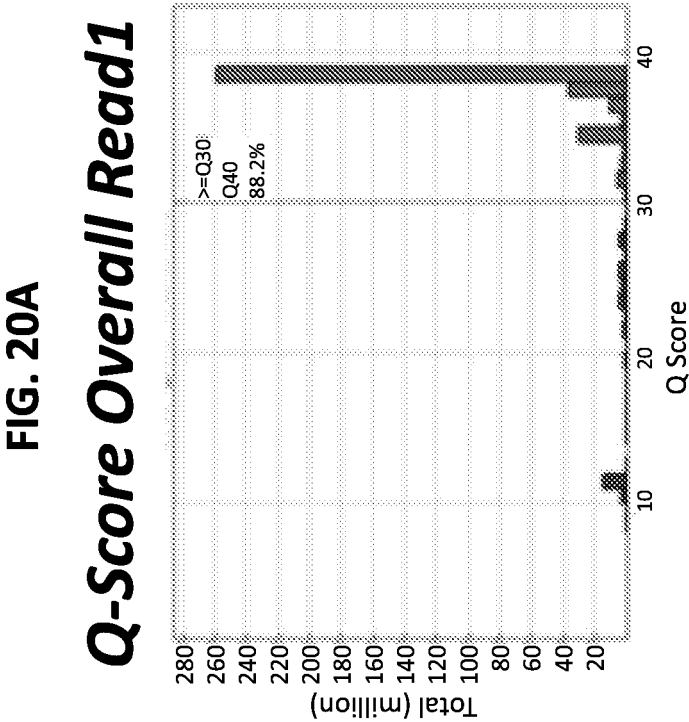


FIG. 21A

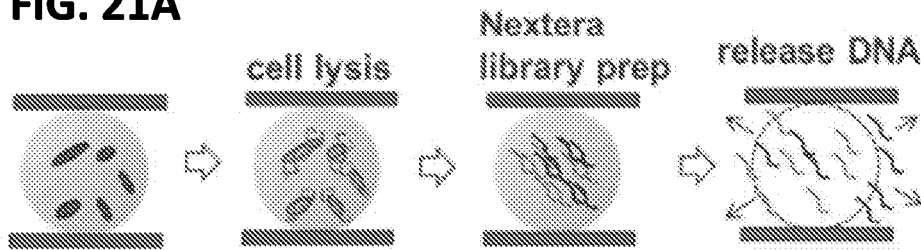


FIG. 21B

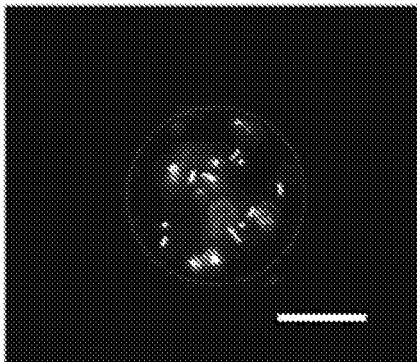


FIG. 21C

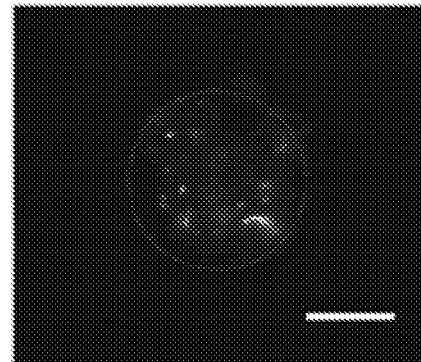


FIG. 21D

