

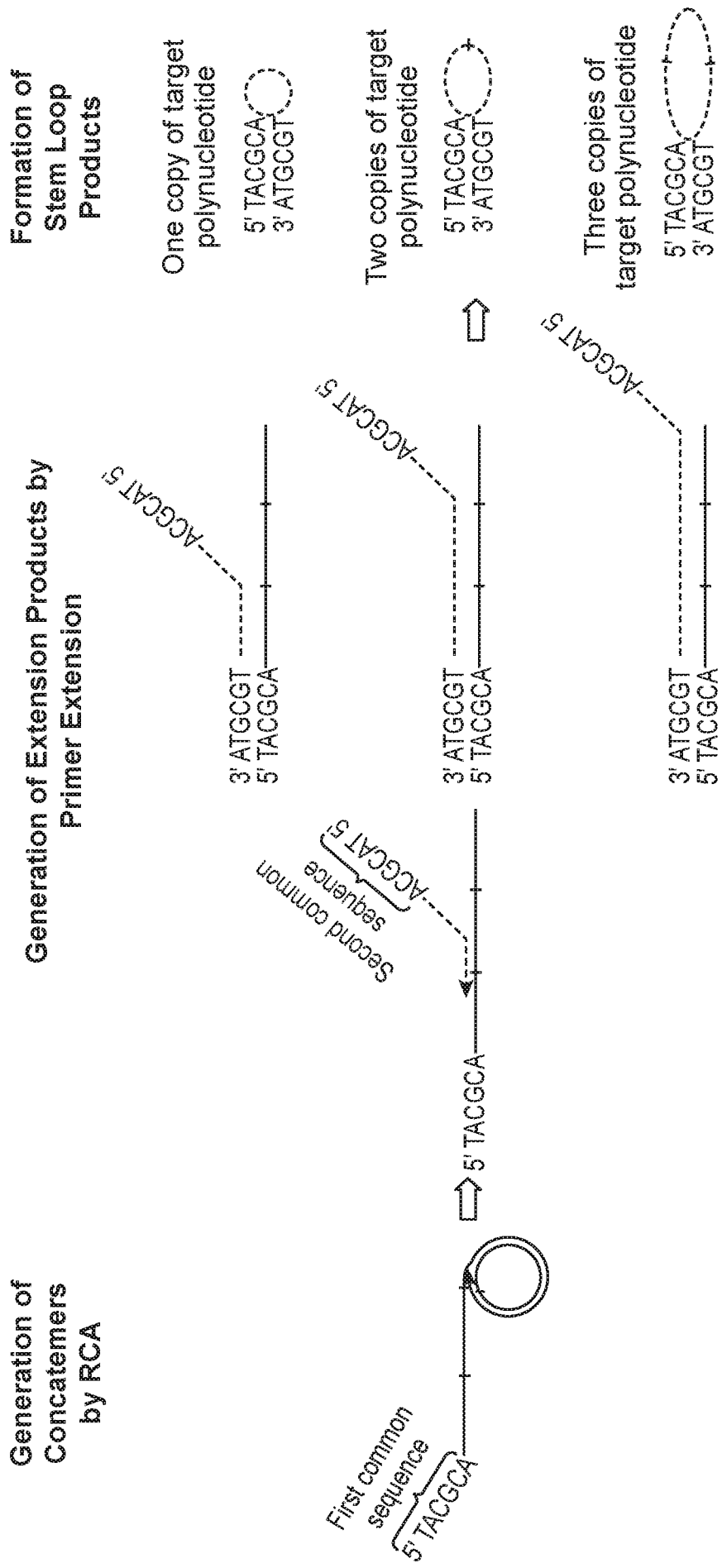
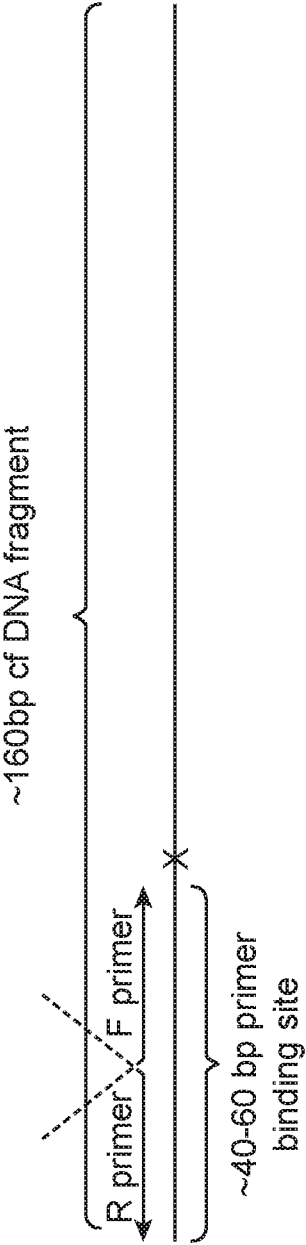


FIG. 1

• X: Point mutation or InDel (insertion/deletion)



• Fusion Gene:

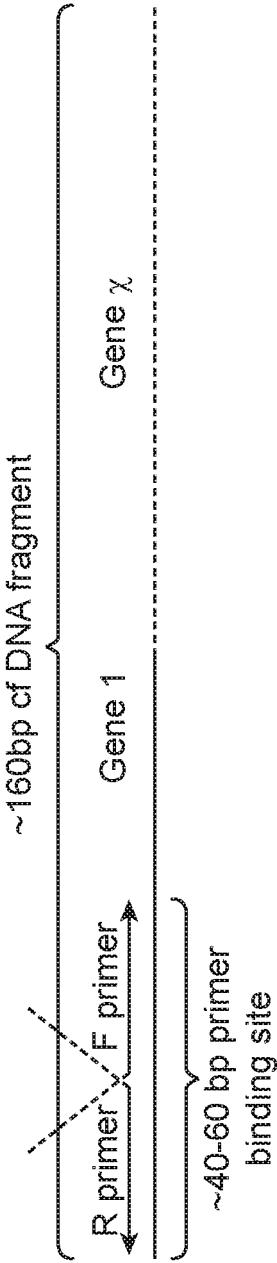


FIG. 2

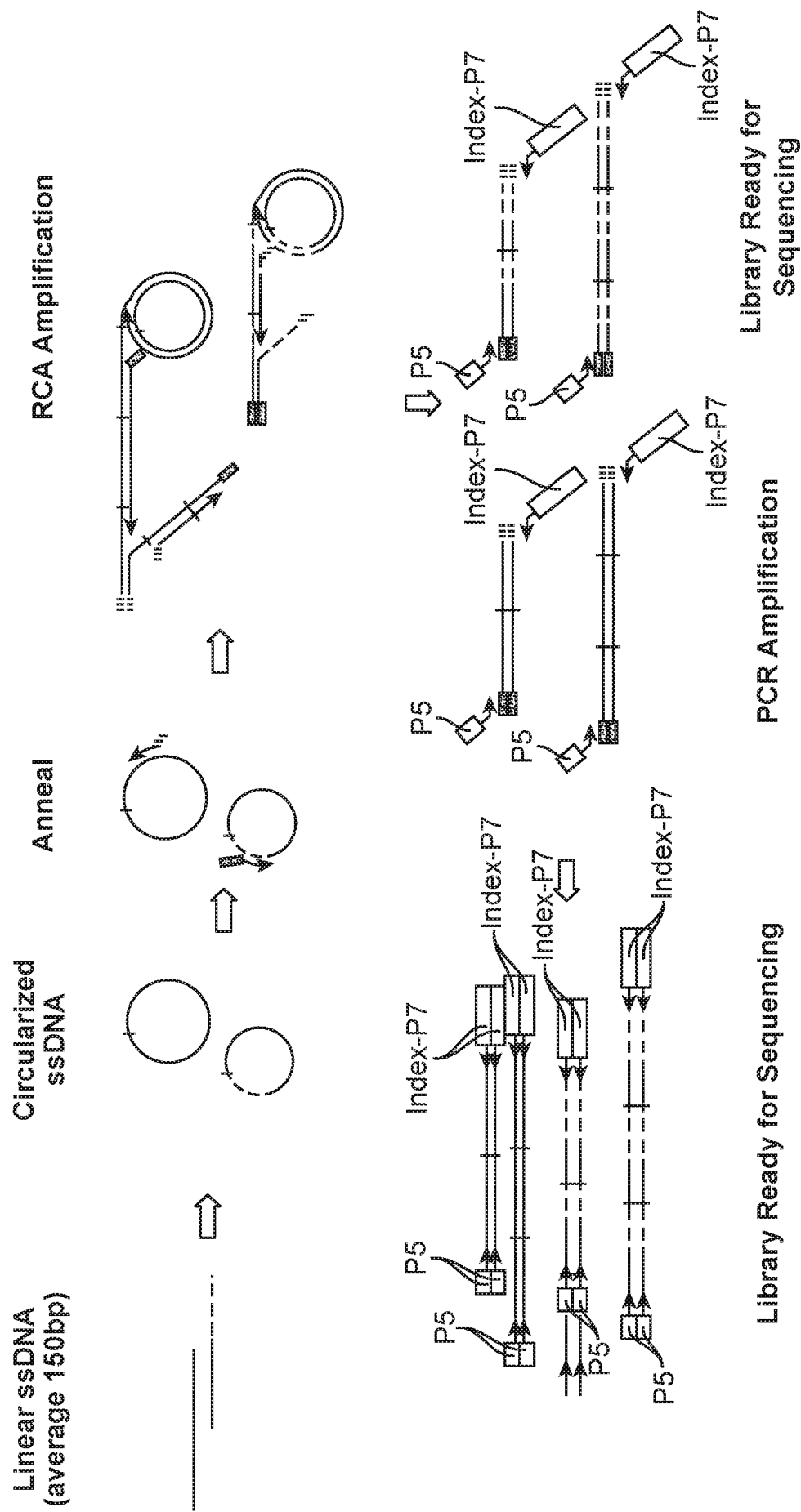


FIG. 3

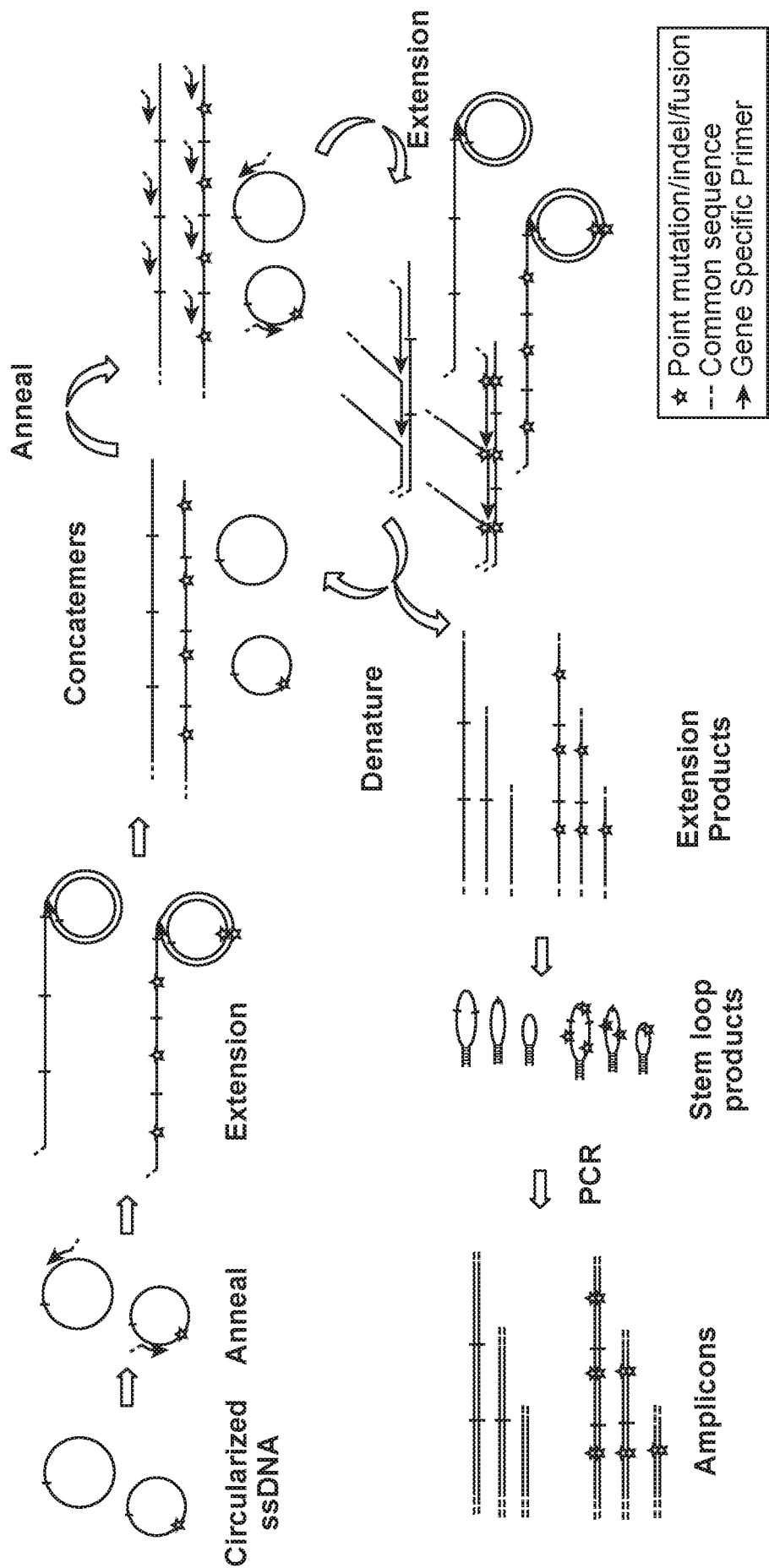


FIG. 4

5/11

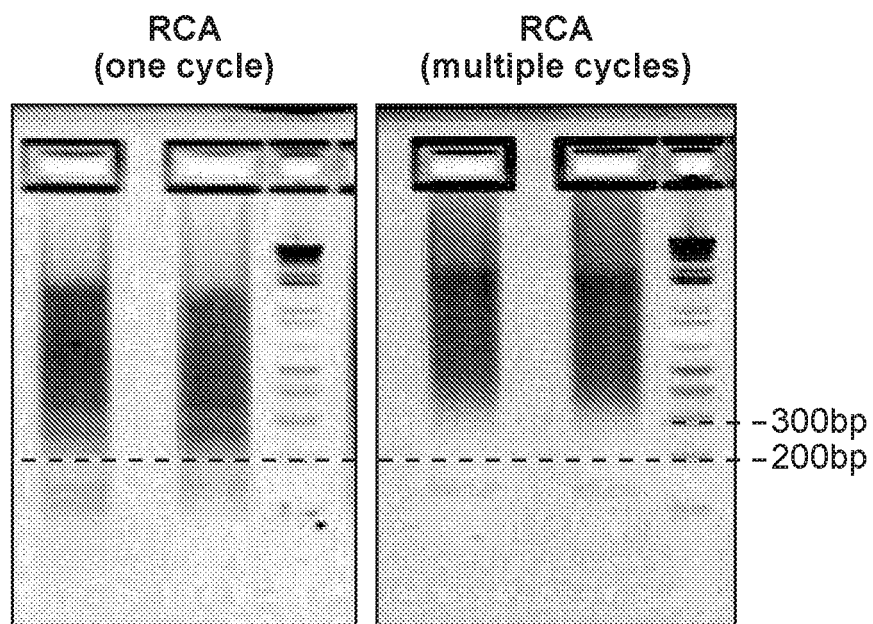


FIG. 5

Mass ratio	RCA (one cycle)	RCA (multiple cycles)
2 repeats:1 repeat	3.59	33.46
3 repeats:1 repeat	4.97	40.68

FIG. 6

7/11

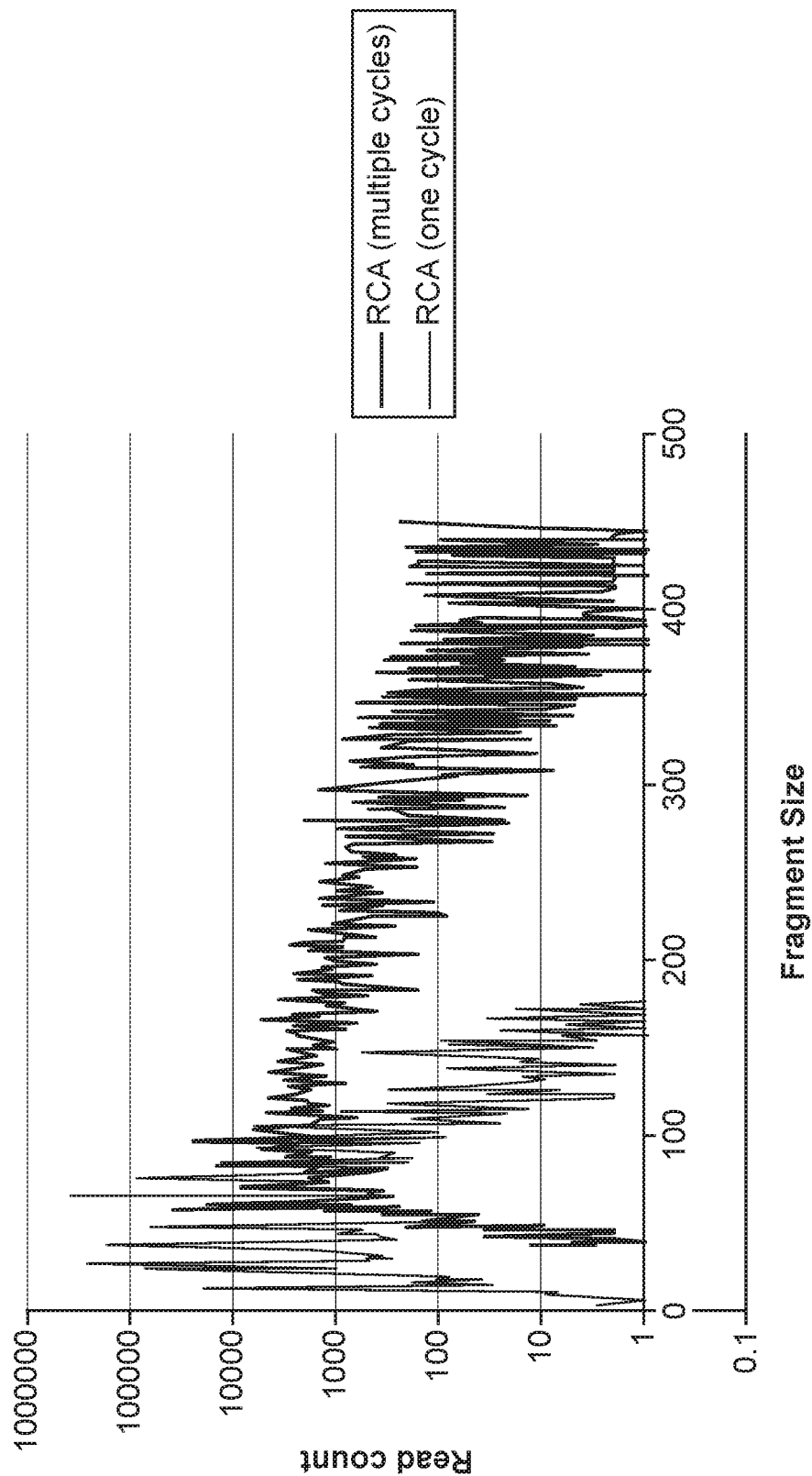


FIG. 7

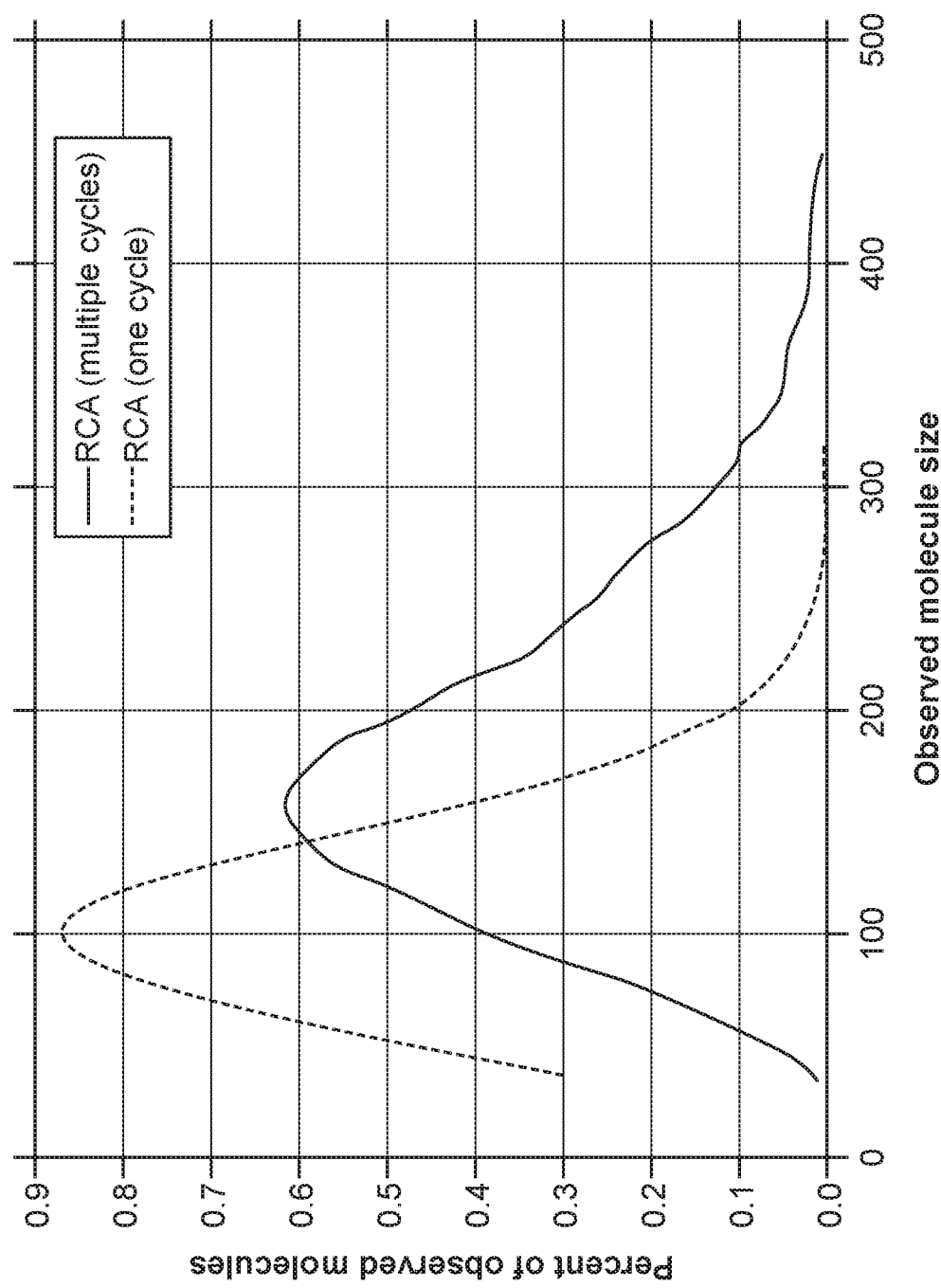


FIG. 8

Spike-In fusion allele frequency	2.50%	0.50%	0.05%	0.00%
ng* of Fusion DNA (HD664 ^a with 50% fusion allele)	0.50	0.12	0.01	0.00
ng* of Control DNA (wild type)	9.50	9.88	9.99	10.00
*ng of circularized DNA				
^a . HD664 refers to a 50% EML4/ALK DNA Reference Standard				

FIG. 9

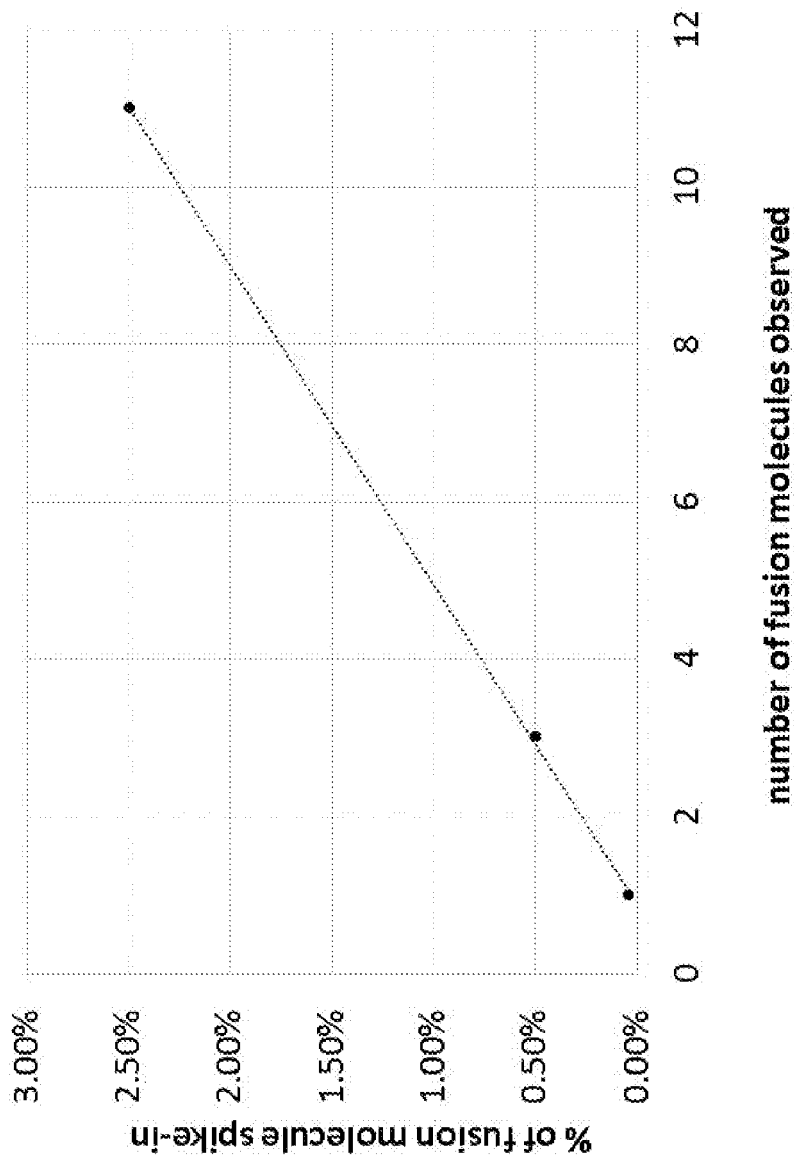


FIG. 10

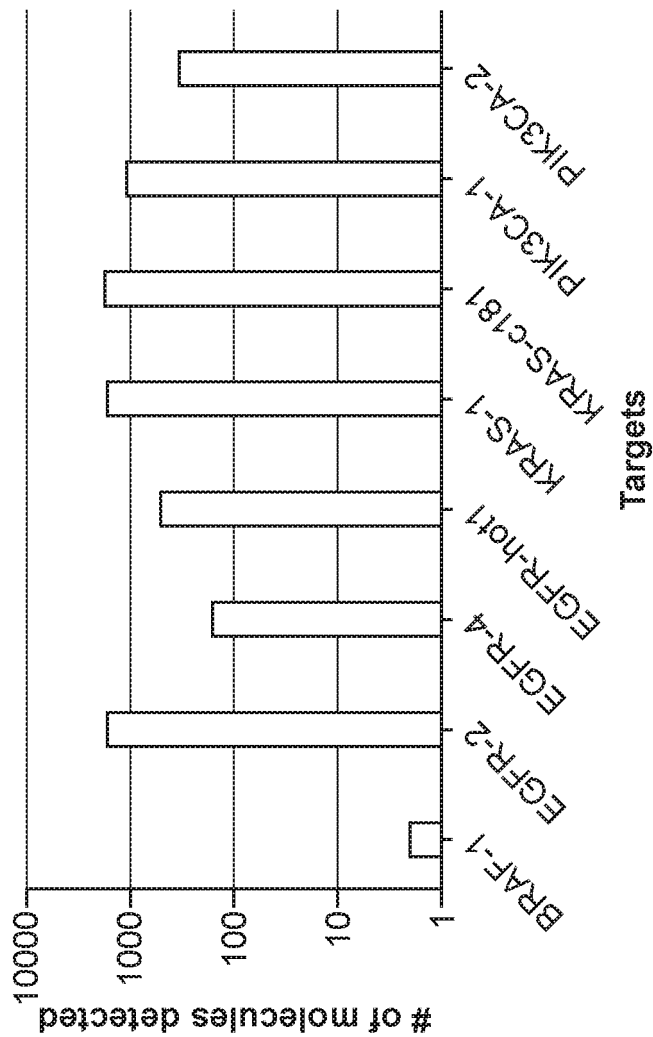


FIG. 11

Target List
BRAF-1
EGFR-2
EGFR-4
EGFR-hot1
KRAS-1
KRAS-c181
PIK3CA-1
PIK3CA-2