

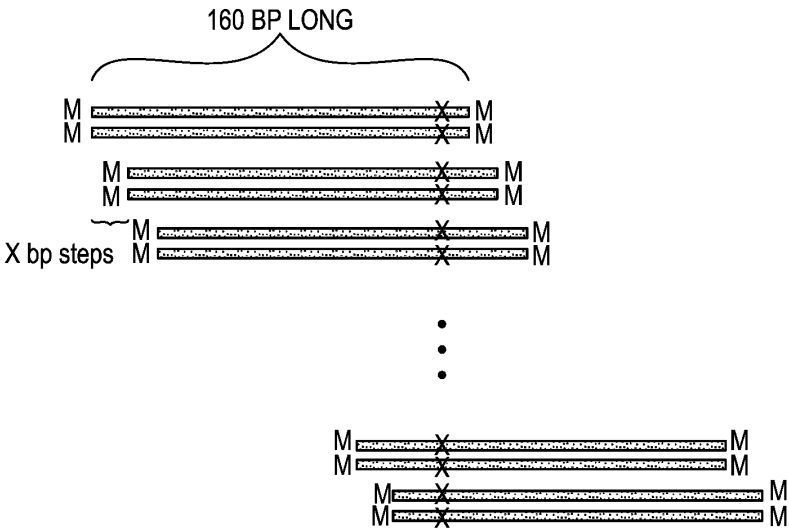


FIGURE 1

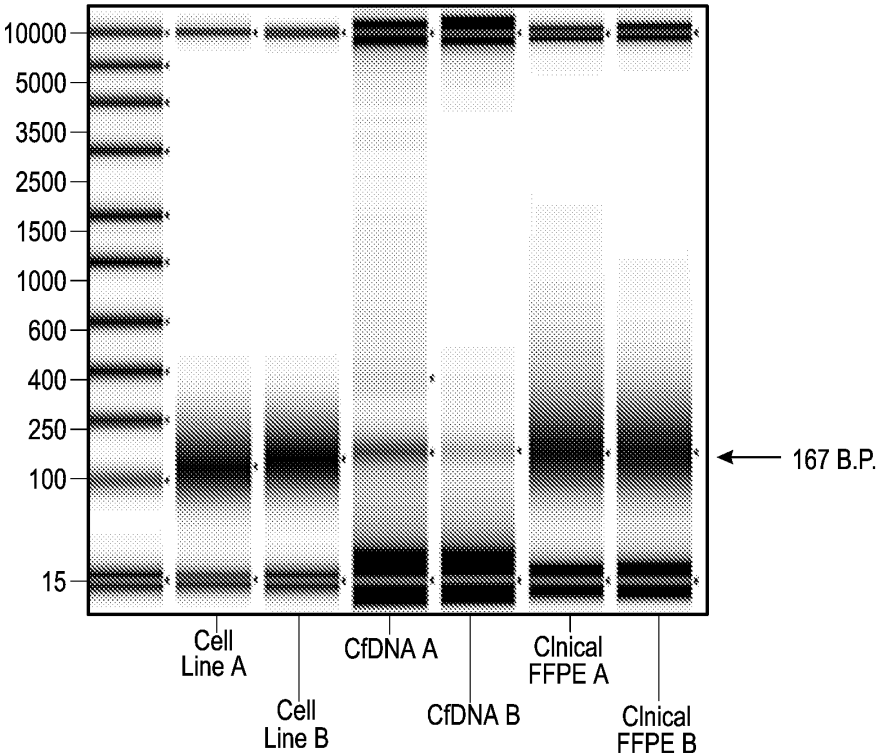


FIGURE 2

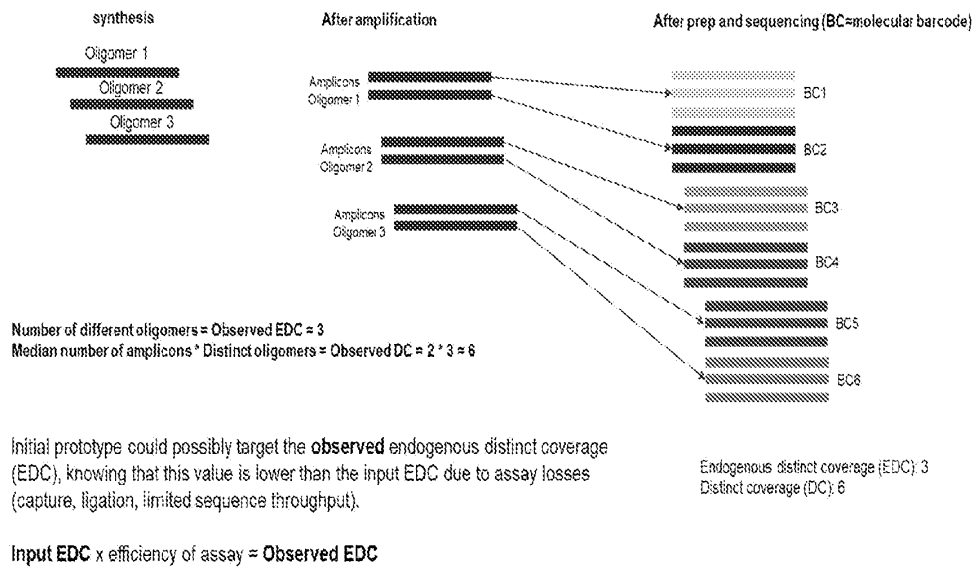


FIGURE 3

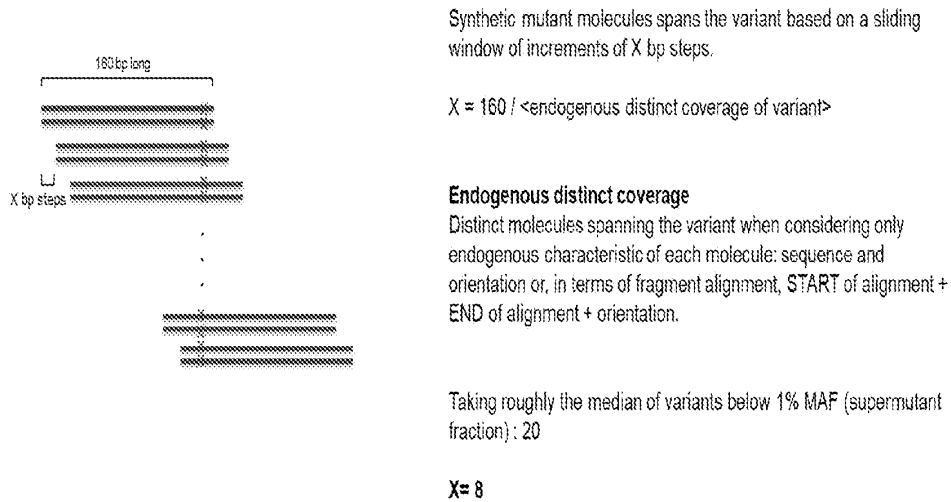
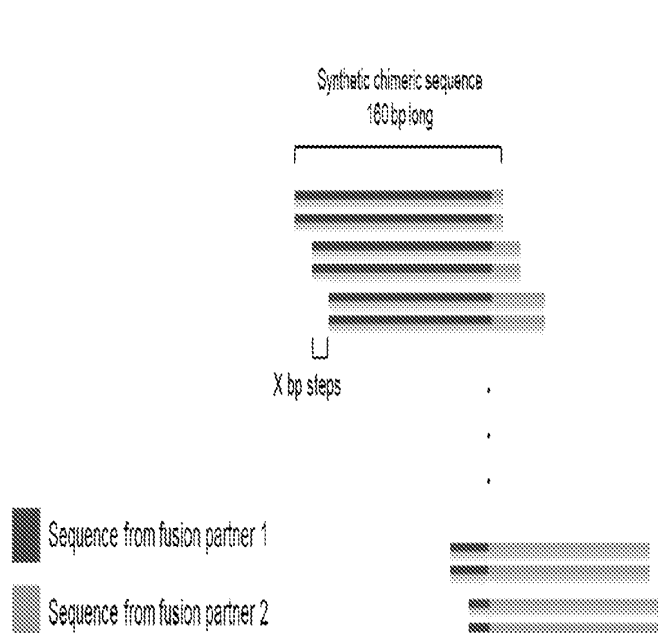


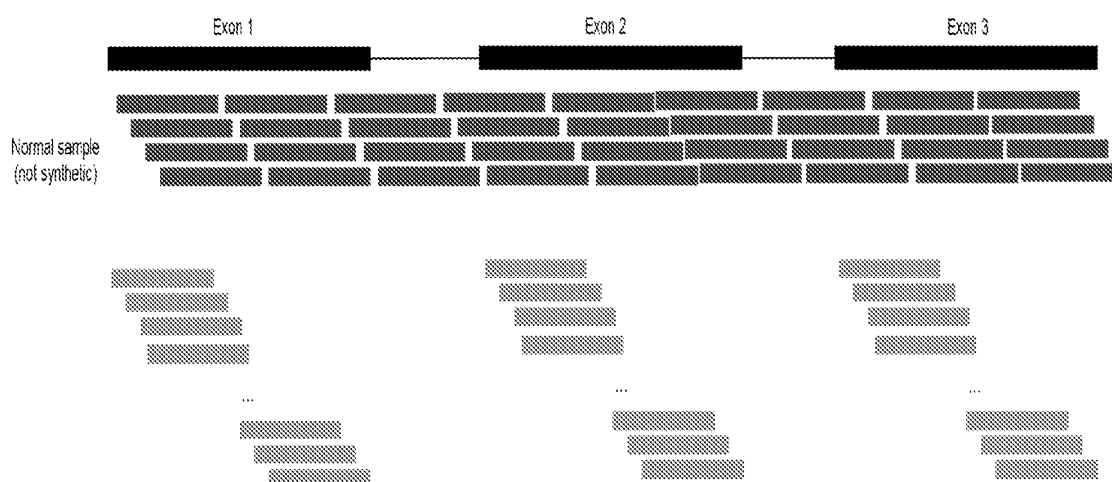
FIGURE 4



Same strategy as SBS/indels.

Synthetic mutant molecules spans the variant based on a sliding window of increments of X bp steps.

FIGURE 5



- Synthetic sample can be restricted to coding exons of genes affected by CNV
- CNV methods does not require distinct coverage. We still recommend applying sliding windows approach, in case distinct coverage is eventually taken into account by CNV detections methods.
- Different proportions of normal and mutant dictates the CNV fold change

FIGURE 6

Dilutions should be performed with the assumption that the molecular weight of the genome equivalent for synthetic sample and normal are very different.

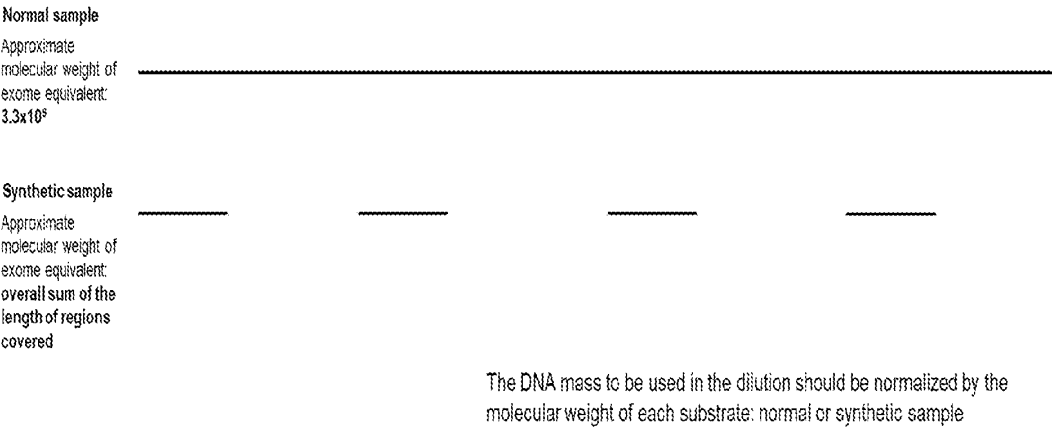


FIGURE 7

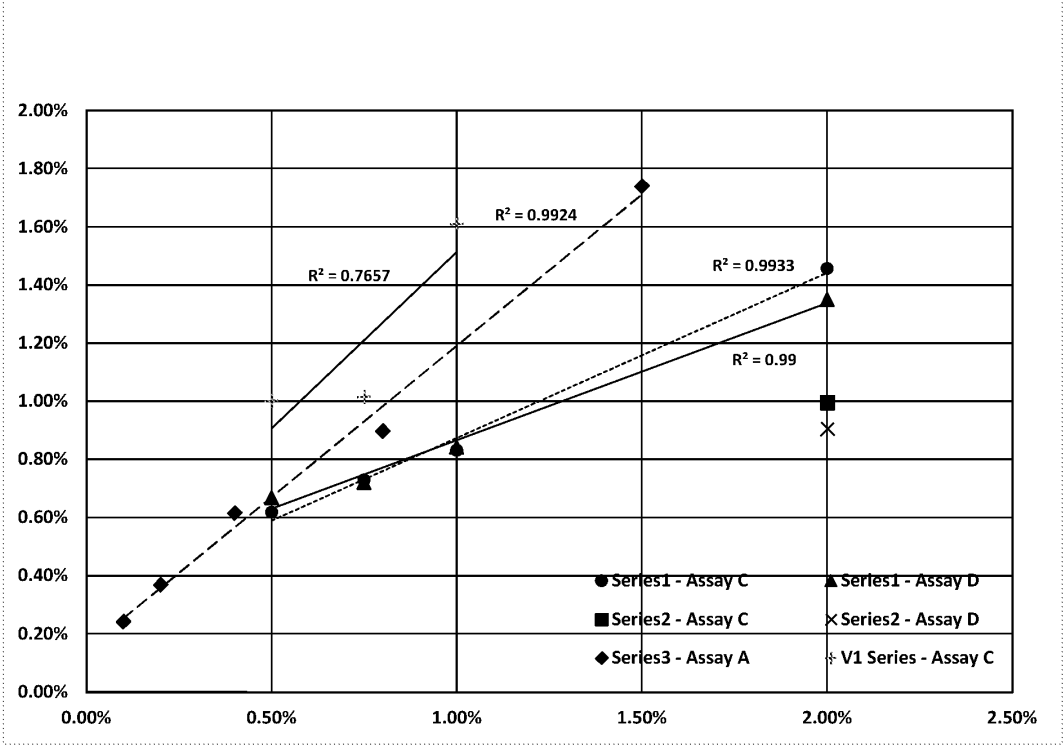


FIGURE 8

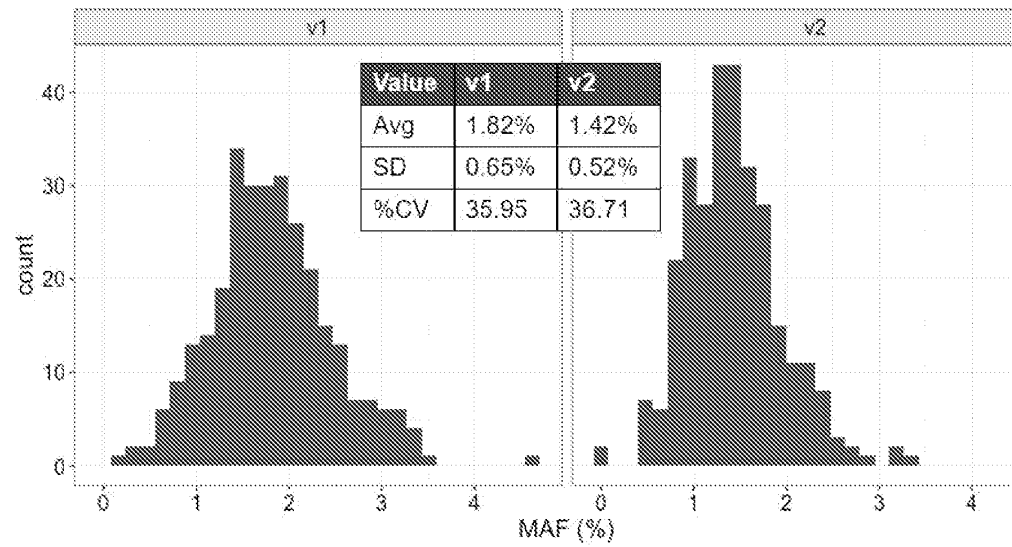


FIGURE 9

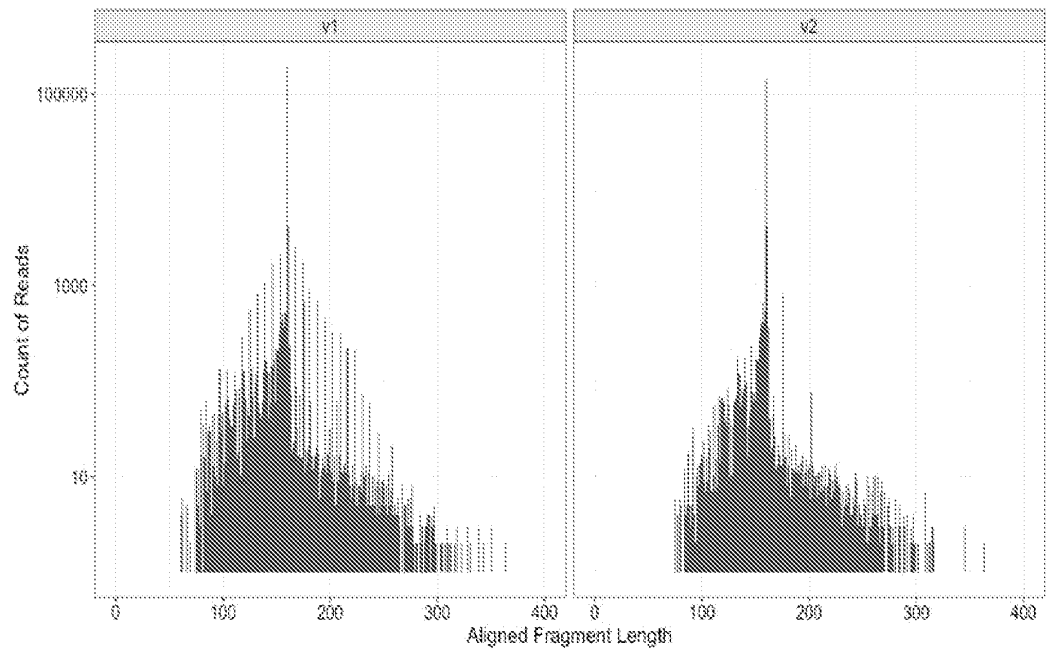
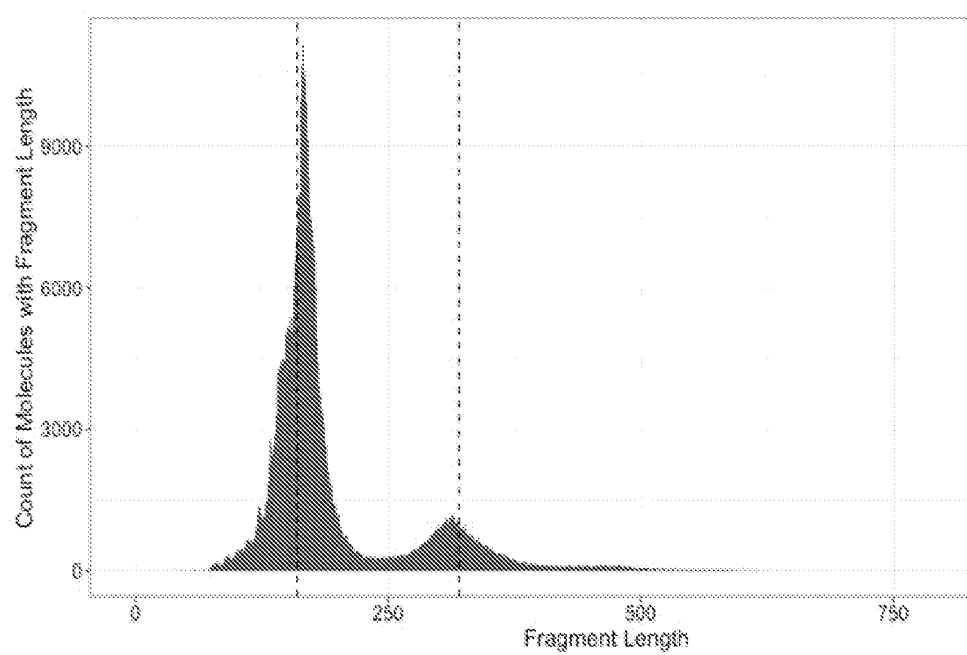


FIGURE 10

**FIGURE 11**