

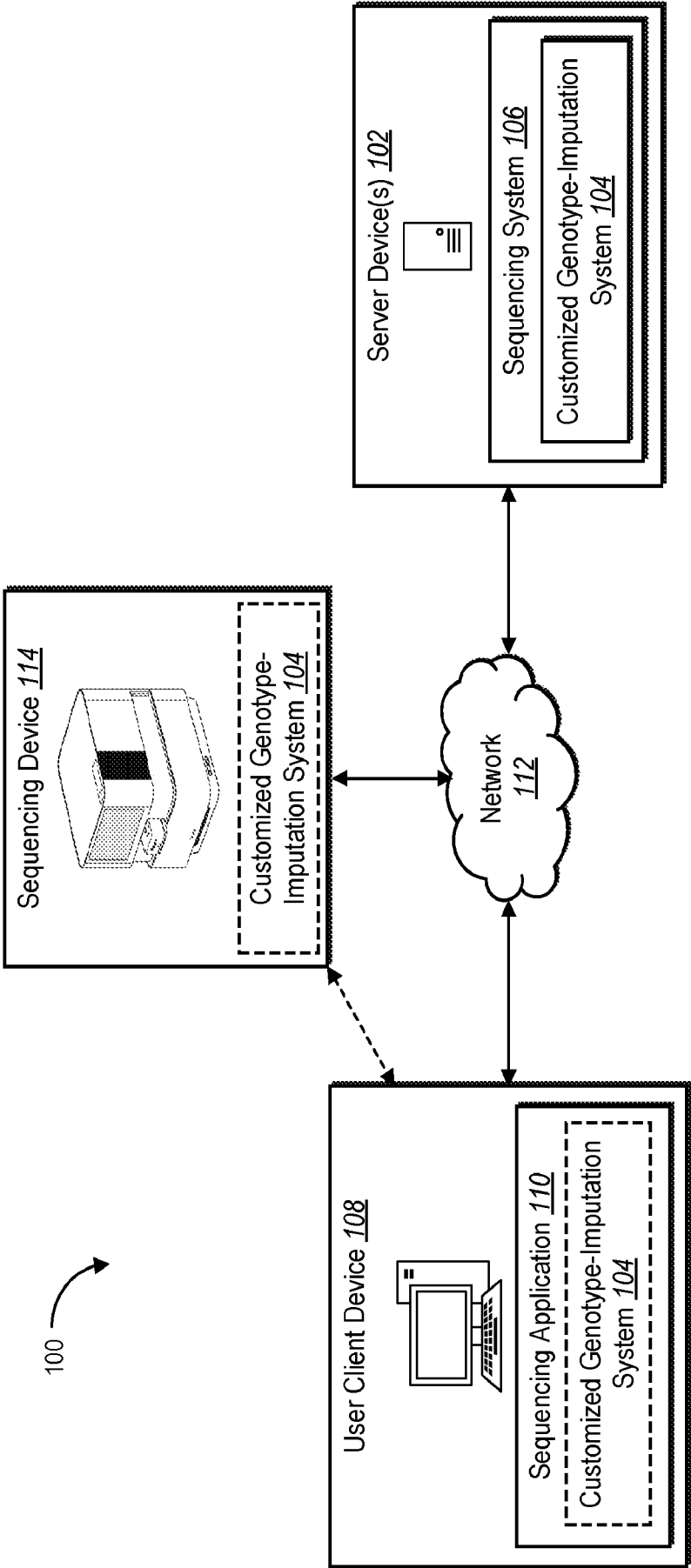


Fig. 1

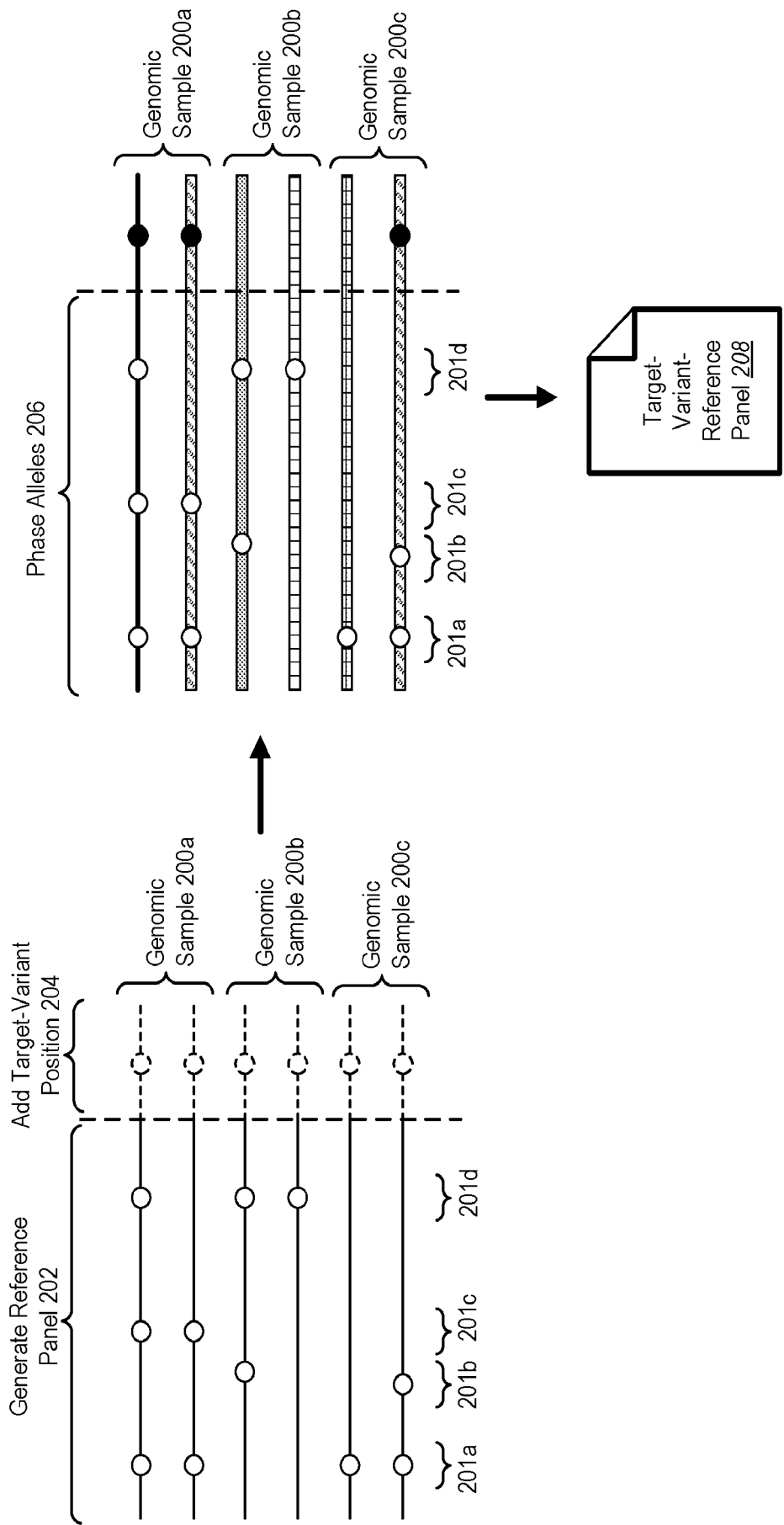


Fig. 2A

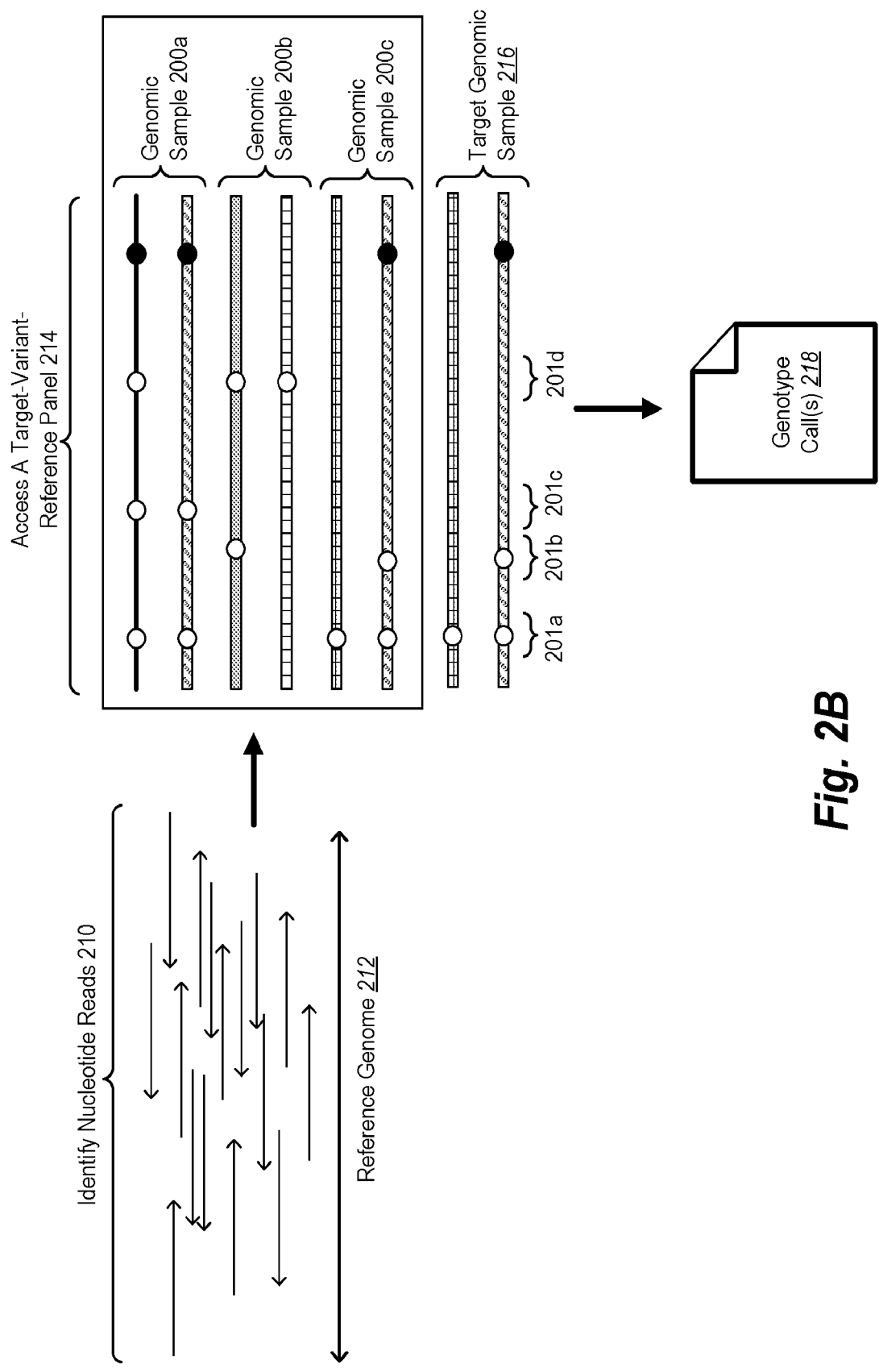


Fig. 2B

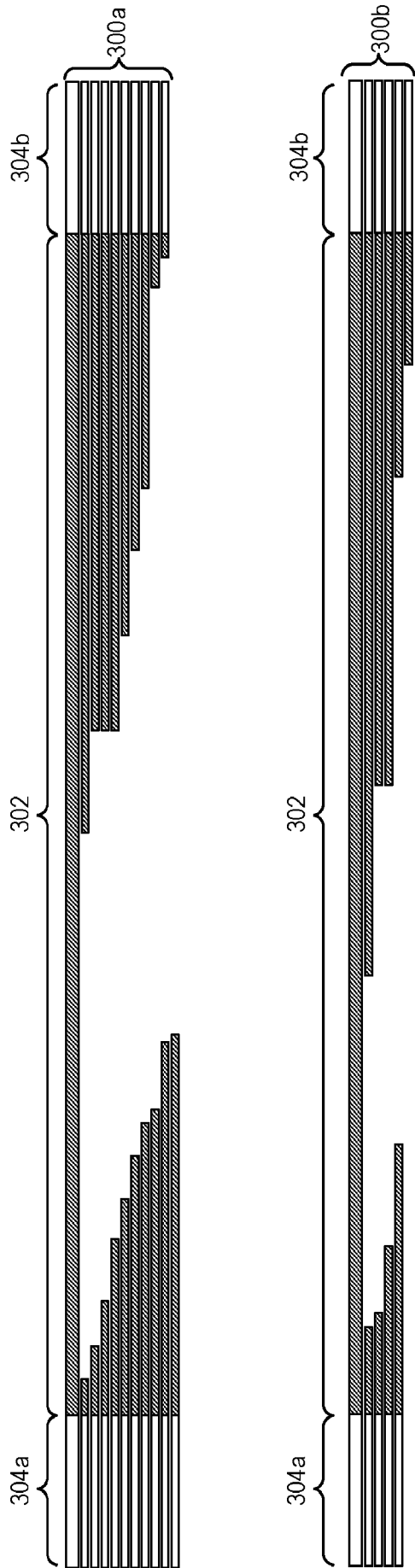


Fig. 3

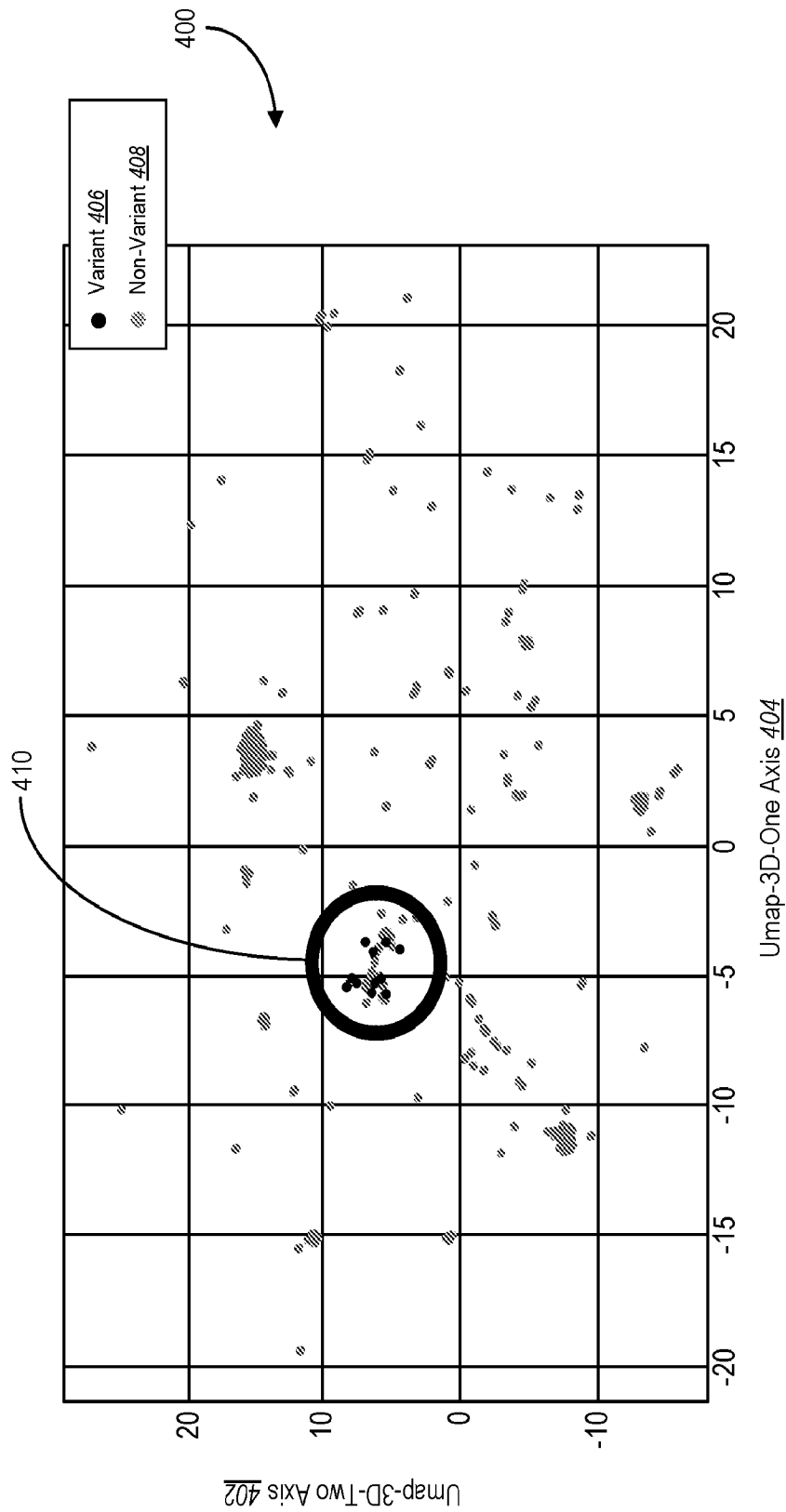
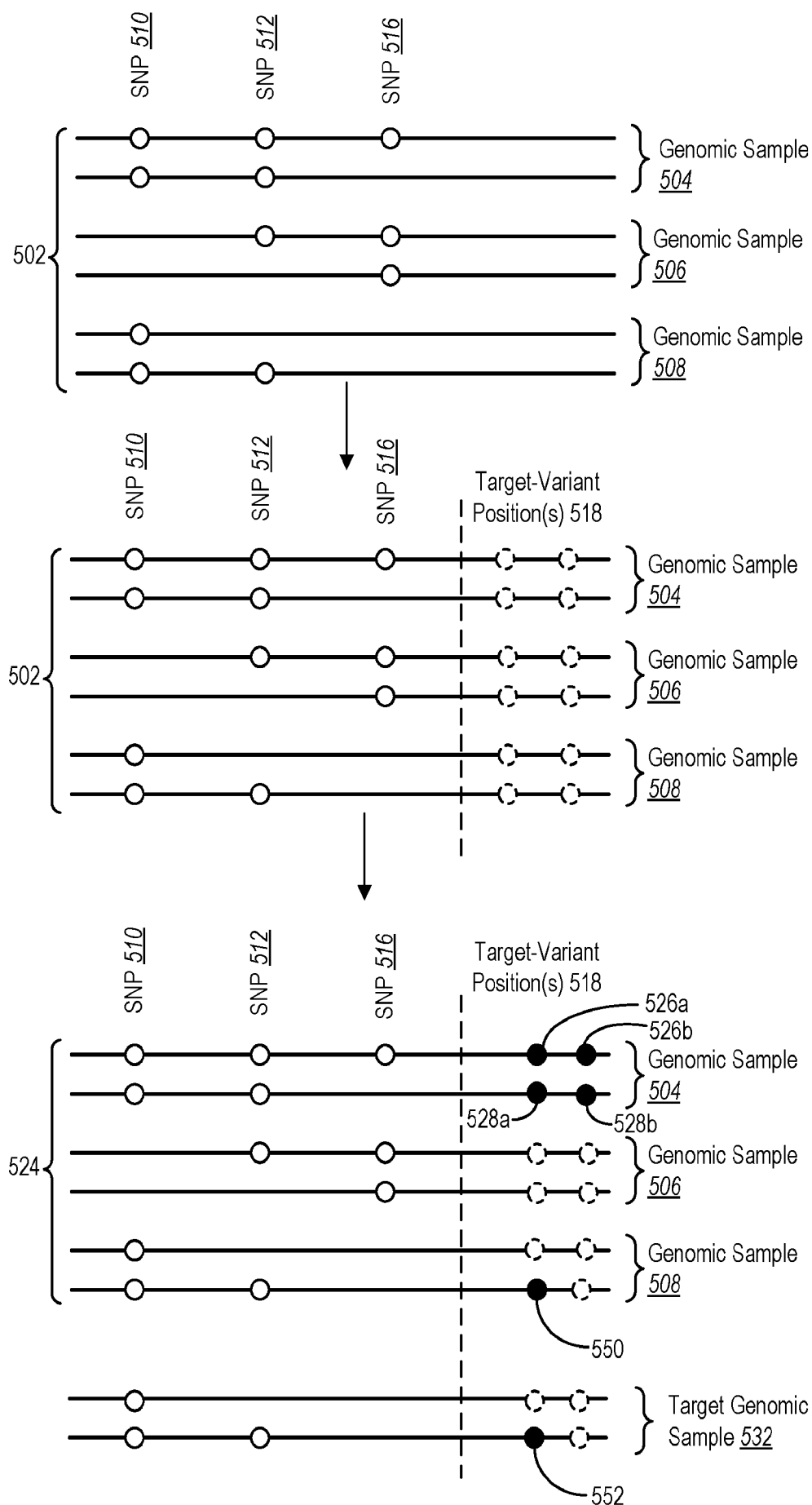


Fig. 4

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**Fig. 5**

600

#CHROM 602	POS 604	ID 605	REF 606	ALT 608	Format 610	HG00096	HG00097	HG00099	HG00100	HG00101
chr4	39348321	•	G	A	GT	110	011	110	011	011
chr4	39348322	•	C	G	GT	010	010	010	010	010
chr4	39348336	•	T	C	GT	010	010	010	010	010
chr4	39348362	•	G	A	GT	010	010	010	010	010
chr4	39348370	•	C	T	GT	010	010	010	010	010
chr4	39348377	•	T	A	GT	010	010	010	010	010
chr4	39348379	•	C	T	GT	010	010	010	010	010
chr4	39348391	•	C	G	GT	010	010	010	010	011
chr4	39348404	•	C	T	GT	010	010	010	010	010
chr4	39348414	•	C	G	GT	010	010	010	010	010
chr4	39348417	•	T	G	GT	010	010	010	010	010
chr4	39348423	•	A	G	GT	010	010	010	010	010
chr4	39348424	•	A	G	GT	010	010	010	010	010
chr4	39348425	RFC1 RE	T	G	GT	111	010	011	010	010
chr4	39348427	•	A	C	GT	010	010	010	010	010
chr4	39348427	•	A	G	GT	010	010	010	010	010
chr4	39348428	•	A	G	GT	010	010	010	010	010
chr4	39348429	•	G	C	GT	010	010	010	010	010

601

Fig. 6

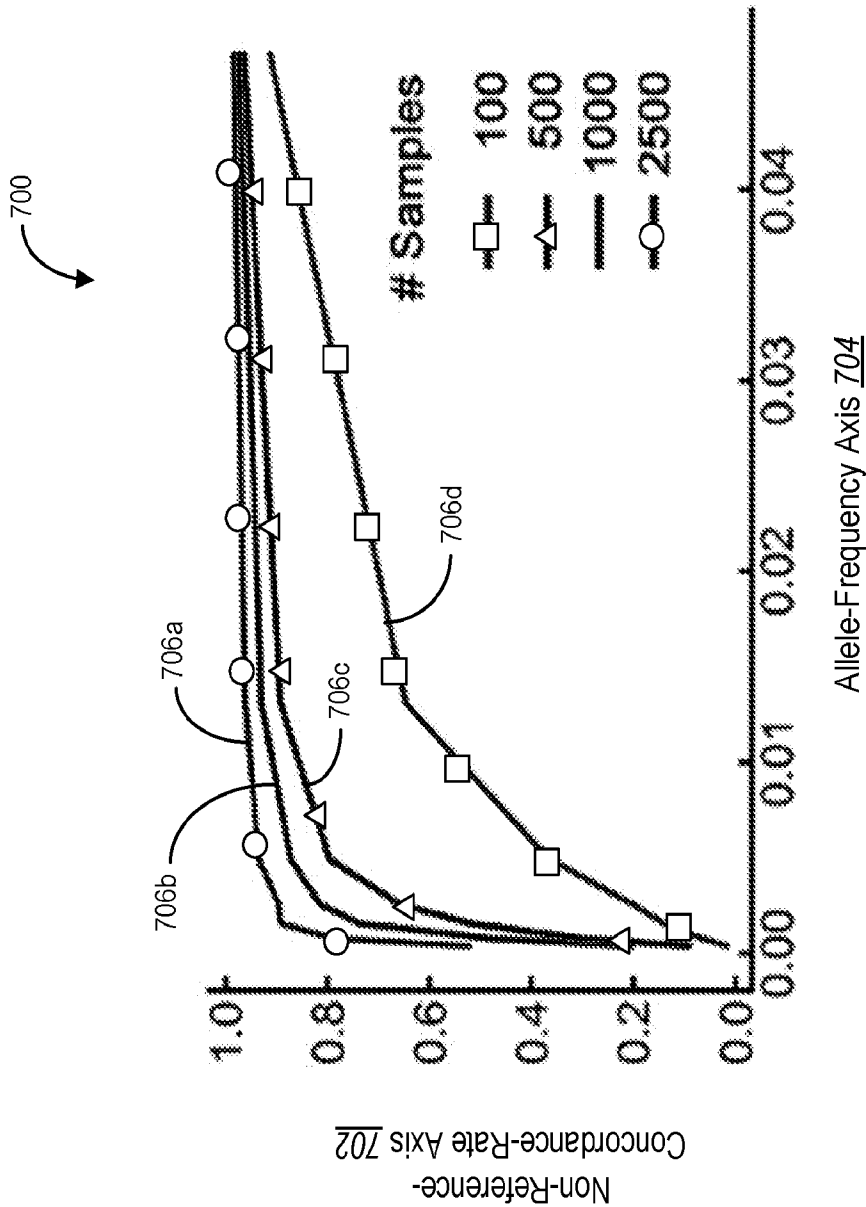
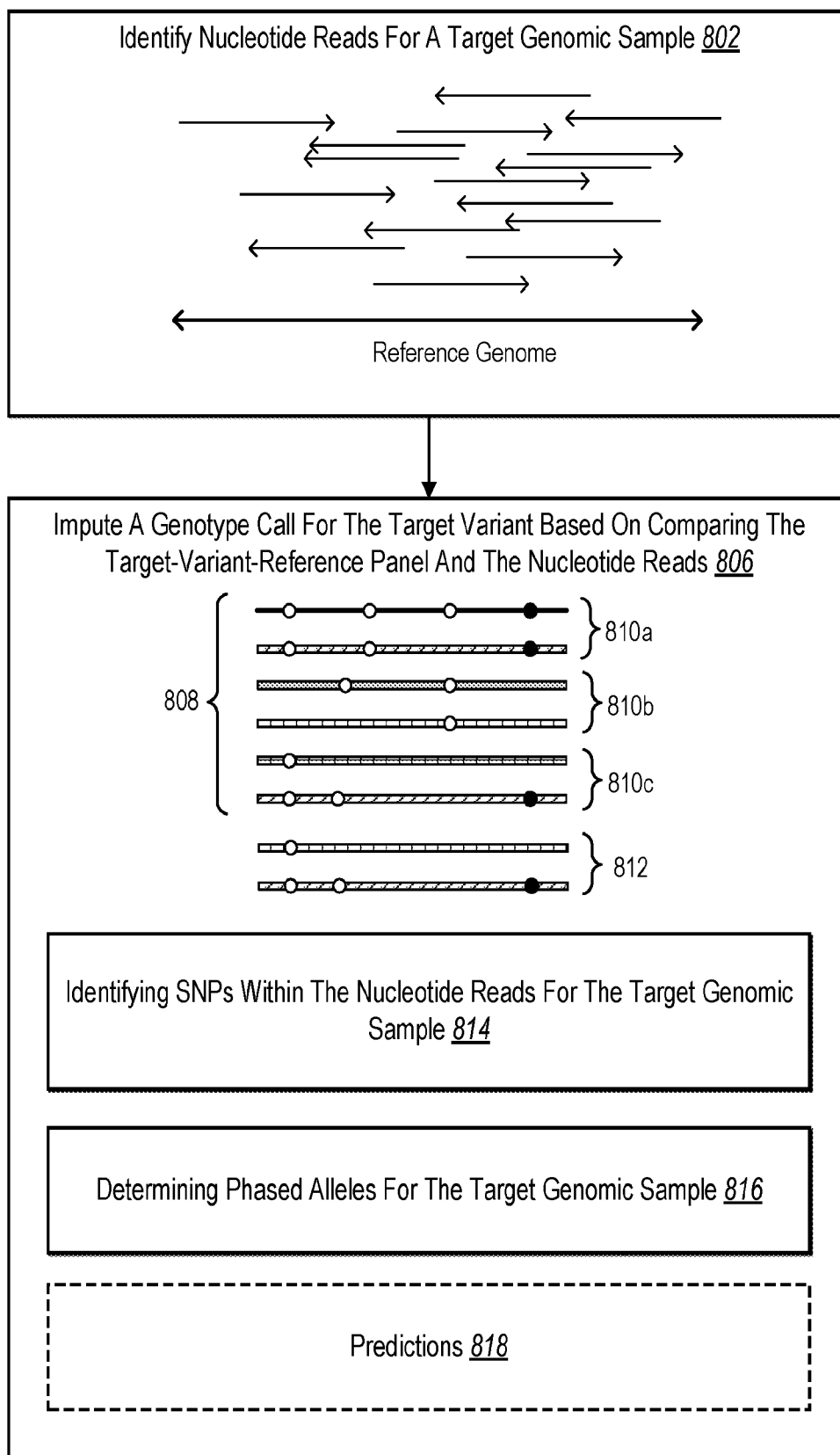


Fig. 7

**Fig. 8**

900

901

Target Variant <u>902</u>	Gene <u>904</u>	Carrier Frequency <u>906</u>
chr4: 39, 297, 456-39... Predicted: Case	RFC1	0.7% - 4%
chr22: 42, 126, 499-42... Predicted: Carrier	CYP2D6	~5%

Fig. 9

1000

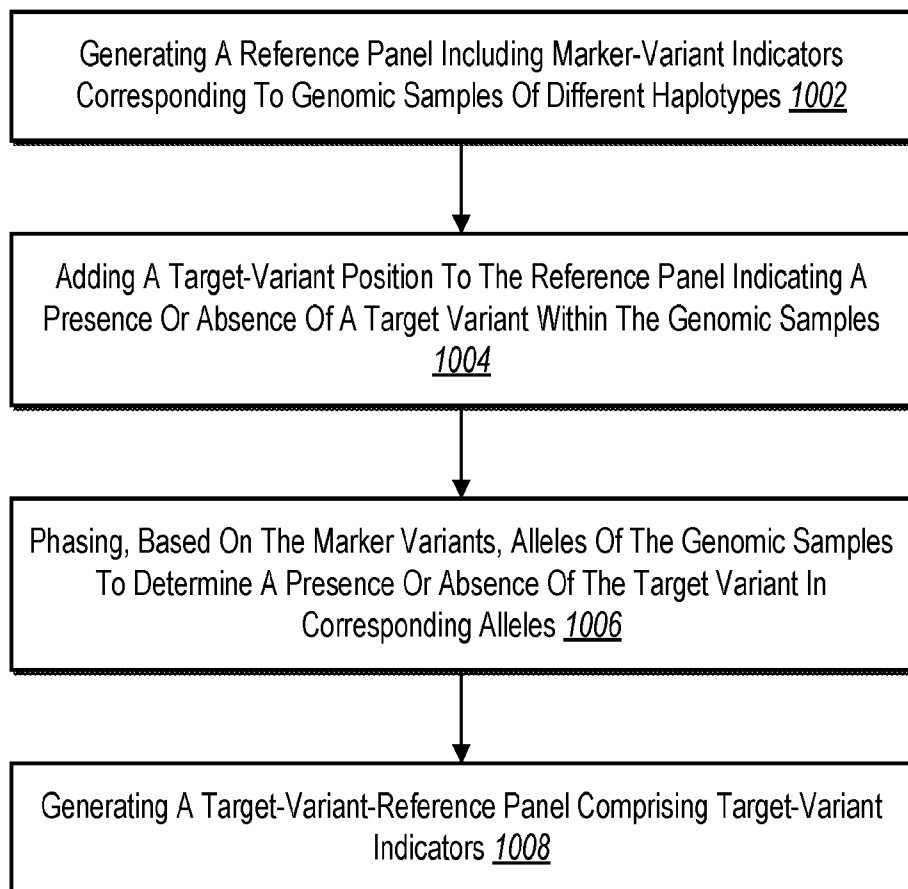
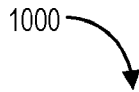


Fig. 10

1100

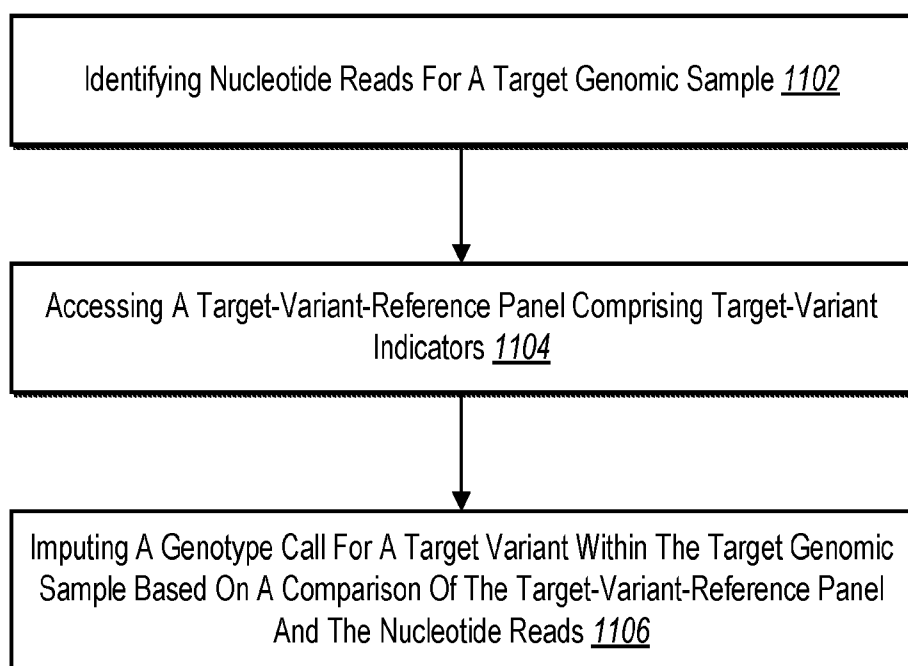
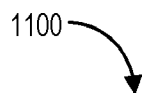
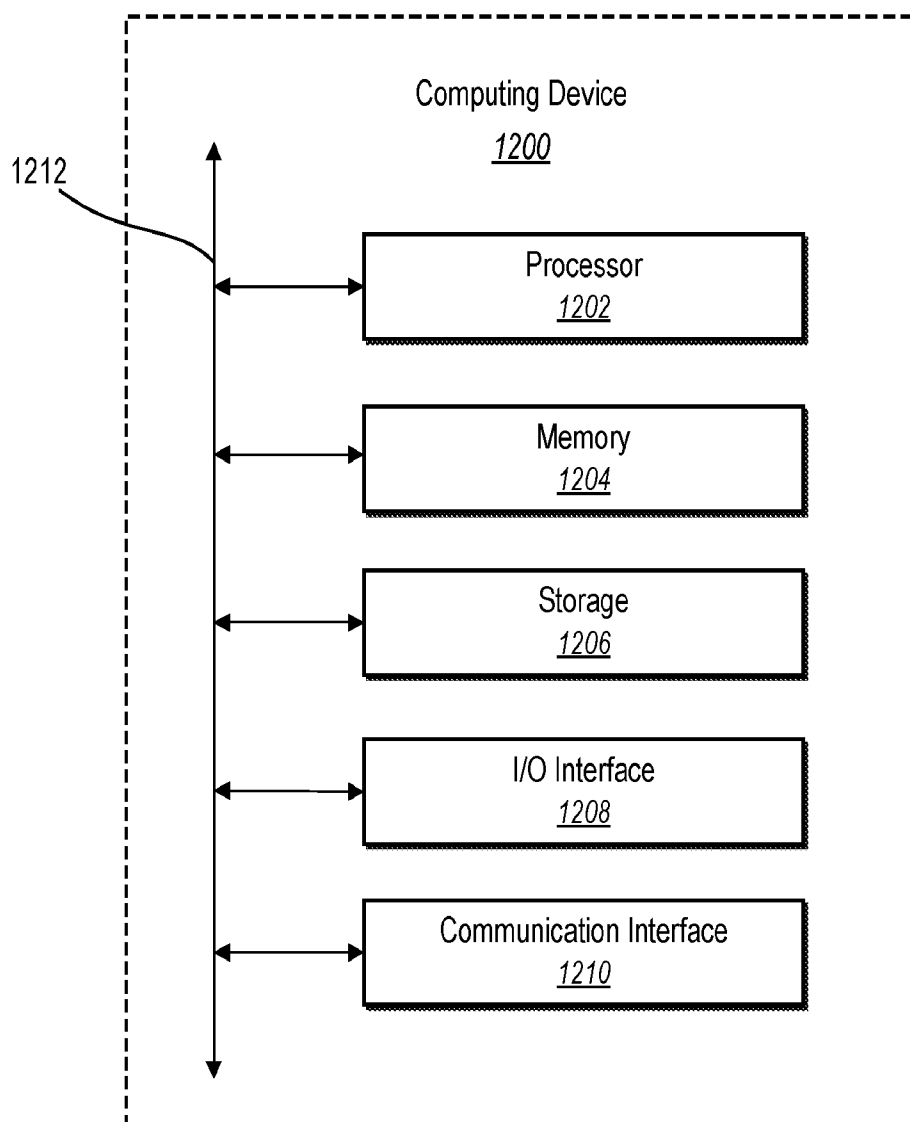


Fig. 11

**Fig. 12**