

Table S1. Summary of variants identified and phased in the reference library through Illumina Synthetic long read Sequencing.

Sample Name	SNP			INDEL			Total(%)
	Het	Phased Het (%)		Het	Phased Het (%)		
TN1503D1092(29058)	3,314,156	2,898,494	87.46%	398,626	357,830	89.77%	87.71%
TN1503D1093(12007)	4,000,577	3,161,407	79.02%	446,110	370,534	83.06%	79.43%
TN1505D2184(27214)	3,842,027	2,666,109	69.39%	429,455	322,914	75.19%	69.98%