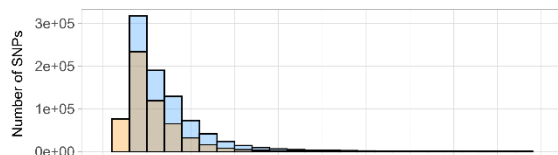


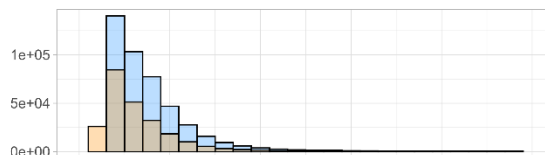
Additional file 8. Distribution of SNPs supported by different coverage depths before (left) and after (right) gold standard filtering using Freebayes (blue) and GATK (orange) at different sequencing coverages (1-5X and 20X). The data represent one SNP dataset from each coverage level of the parental A. For each sequencing coverage-SNP caller combination, the lower and higher values, as well as the first, second (median), and third quartiles, along with the mean, are reported.



1X

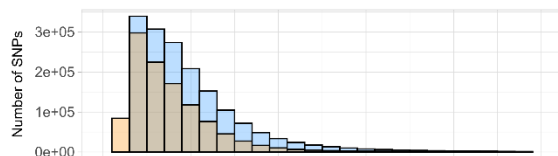
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	2.000	3.000	4.403	4.000	578.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	2.00	2.00	3.53	4.00	494.00



Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	2.000	3.000	4.854	5.000	578.000

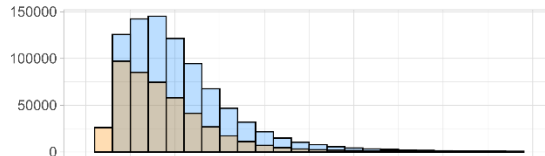
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	4.502	4.000	494.000



2X

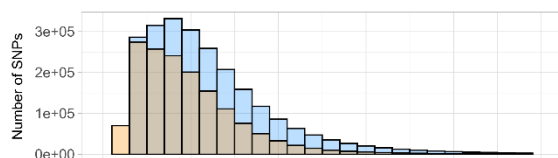
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	5.796	6.000	1131.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	3.000	4.679	5.000	921.000



Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	3.000	5.000	6.574	7.000	1131.000

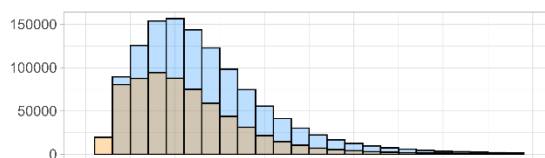
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	2.000	4.000	6.029	6.000	921.000



3X

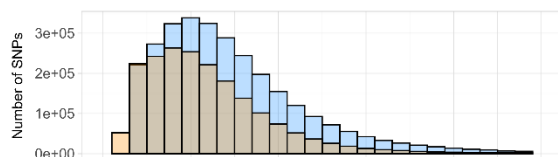
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	7.139	8.000	1710.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	4.000	5.847	6.000	1430.000



Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	4.000	6.000	8.241	9.000	1710.000

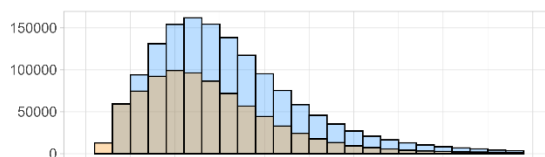
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	7.567	8.000	1430.000



4X

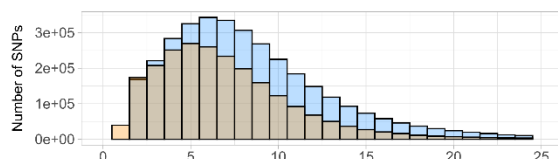
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	6.000	8.487	10.000	2263.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	3.000	5.000	7.041	8.000	1884.000



Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.000	5.000	7.000	9.899	11.000	2263.000

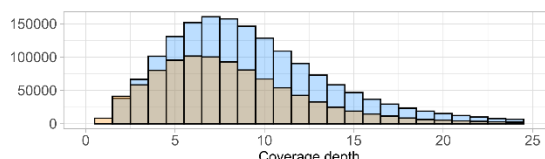
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	6.000	9.104	9.000	1884.000



5X

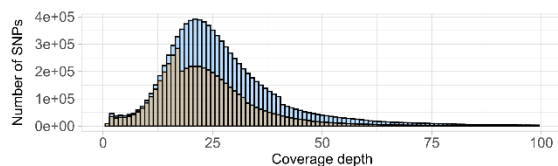
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	5.000	8.000	9.812	11.000	2777.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.000	4.000	6.000	8.243	9.000	2293.000



Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.00	6.00	9.00	11.56	12.00	2777.00

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	5.00	8.00	10.64	11.00	2293.00



20X

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
2.00	18.00	25.00	30.93	33.00	11581.00

Dataset
freebayes
gatk