

Table S4. The mean accuracy and bias of genomic prediction using different densities of SNPs and INDELs (Mean $\pm$ bias)

Trait	Variants type	Marker density							
		1K	3K	7K	10K	30K	100K	500K	1000K
BL	SNP	0.425 $\pm$ 1.003	0.467 $\pm$ 0.995	0.484 $\pm$ 1.003	0.488 $\pm$ 1.004	0.504 $\pm$ 1.007	0.501 $\pm$ 1.006	0.504 $\pm$ 1.006	0.506 $\pm$ 1.007
	INDEL	0.432 $\pm$ 1.011	0.478 $\pm$ 1.010	0.480 $\pm$ 1.009	0.481 $\pm$ 1.001	0.494 $\pm$ 1.004	0.502 $\pm$ 1.004	0.500 $\pm$ 1.005	0.503 $\pm$ 1.005
	SNP+INDEL	0.453 $\pm$ 1.006	0.491 $\pm$ 1.003	0.491 $\pm$ 1.007	0.491 $\pm$ 1.002	0.502 $\pm$ 1.006	0.502 $\pm$ 1.005	0.503 $\pm$ 1.006	0.505 $\pm$ 1.006
BH	SNP	0.407 $\pm$ 1.011	0.446 $\pm$ 1.009	0.451 $\pm$ 1.004	0.466 $\pm$ 1.004	0.476 $\pm$ 1.000	0.478 $\pm$ 1.001	0.479 $\pm$ 1.000	0.482 $\pm$ 1.002
	INDEL	0.420 $\pm$ 1.014	0.462 $\pm$ 1.001	0.468 $\pm$ 1.005	0.461 $\pm$ 1.005	0.478 $\pm$ 1.000	0.476 $\pm$ 0.998	0.479 $\pm$ 1.001	0.480 $\pm$ 1.001
	SNP+INDEL	0.438 $\pm$ 1.014	0.469 $\pm$ 1.003	0.467 $\pm$ 1.005	0.468 $\pm$ 1.004	0.479 $\pm$ 1.000	0.478 $\pm$ 1.000	0.480 $\pm$ 1.001	0.481 $\pm$ 1.002
CC	SNP	0.420 $\pm$ 0.999	0.482 $\pm$ 1.008	0.485 $\pm$ 1.005	0.490 $\pm$ 1.012	0.497 $\pm$ 1.012	0.493 $\pm$ 1.011	0.498 $\pm$ 1.011	0.498 $\pm$ 1.011
	INDEL	0.431 $\pm$ 1.015	0.486 $\pm$ 1.021	0.475 $\pm$ 1.014	0.479 $\pm$ 1.010	0.490 $\pm$ 1.012	0.494 $\pm$ 1.010	0.494 $\pm$ 1.010	0.496 $\pm$ 1.011
	SNP+INDEL	0.445 $\pm$ 1.007	0.498 $\pm$ 1.016	0.487 $\pm$ 1.010	0.489 $\pm$ 1.011	0.496 $\pm$ 1.012	0.494 $\pm$ 1.011	0.497 $\pm$ 1.011	0.497 $\pm$ 1.011
WC	SNP	0.419 $\pm$ 1.003	0.485 $\pm$ 1.002	0.487 $\pm$ 1.007	0.497 $\pm$ 1.005	0.501 $\pm$ 1.007	0.495 $\pm$ 1.008	0.500 $\pm$ 1.010	0.501 $\pm$ 1.010
	INDEL	0.434 $\pm$ 1.018	0.483 $\pm$ 1.014	0.480 $\pm$ 1.017	0.485 $\pm$ 1.006	0.491 $\pm$ 1.011	0.499 $\pm$ 1.010	0.498 $\pm$ 1.010	0.499 $\pm$ 1.010
	SNP+INDEL	0.447 $\pm$ 1.012	0.497 $\pm$ 1.008	0.490 $\pm$ 1.012	0.495 $\pm$ 1.006	0.498 $\pm$ 1.009	0.498 $\pm$ 1.009	0.500 $\pm$ 1.010	0.500 $\pm$ 1.010
AC	SNP	0.419 $\pm$ 1.008	0.483 $\pm$ 1.007	0.491 $\pm$ 1.001	0.491 $\pm$ 1.007	0.497 $\pm$ 1.005	0.492 $\pm$ 1.005	0.496 $\pm$ 1.006	0.496 $\pm$ 1.006
	INDEL	0.437 $\pm$ 1.013	0.482 $\pm$ 1.011	0.471 $\pm$ 1.007	0.475 $\pm$ 1.005	0.487 $\pm$ 1.009	0.494 $\pm$ 1.007	0.495 $\pm$ 1.006	0.495 $\pm$ 1.006
	SNP+INDEL	0.450 $\pm$ 1.012	0.497 $\pm$ 1.008	0.488 $\pm$ 1.004	0.487 $\pm$ 1.006	0.494 $\pm$ 1.007	0.494 $\pm$ 1.006	0.496 $\pm$ 1.006	0.496 $\pm$ 1.006
LMA	SNP	0.400 $\pm$ 1.045	0.413 $\pm$ 1.043	0.440 $\pm$ 1.052	0.426 $\pm$ 1.036	0.436 $\pm$ 1.056	0.432 $\pm$ 1.062	0.432 $\pm$ 1.058	0.432 $\pm$ 1.057
	INDEL	0.386 $\pm$ 1.058	0.420 $\pm$ 1.074	0.418 $\pm$ 1.044	0.426 $\pm$ 1.061	0.426 $\pm$ 1.060	0.423 $\pm$ 1.060	0.427 $\pm$ 1.058	0.427 $\pm$ 1.058
	SNP+INDEL	0.407 $\pm$ 1.052	0.425 $\pm$ 1.058	0.433 $\pm$ 1.049	0.429 $\pm$ 1.049	0.432 $\pm$ 1.058	0.428 $\pm$ 1.061	0.430 $\pm$ 1.058	0.430 $\pm$ 1.057
LMD	SNP	0.408 $\pm$ 1.031	0.424 $\pm$ 1.038	0.446 $\pm$ 1.040	0.439 $\pm$ 1.025	0.448 $\pm$ 1.046	0.441 $\pm$ 1.050	0.442 $\pm$ 1.045	0.442 $\pm$ 1.045
	INDEL	0.405 $\pm$ 1.045	0.431 $\pm$ 1.060	0.422 $\pm$ 1.040	0.431 $\pm$ 1.048	0.431 $\pm$ 1.048	0.431 $\pm$ 1.048	0.434 $\pm$ 1.045	0.434 $\pm$ 1.045
	SNP+INDEL	0.422 $\pm$ 1.038	0.435 $\pm$ 1.049	0.439 $\pm$ 1.041	0.438 $\pm$ 1.037	0.441 $\pm$ 1.047	0.436 $\pm$ 1.049	0.439 $\pm$ 1.045	0.439 $\pm$ 1.045
BF	SNP	0.358 $\pm$ 1.020	0.340 $\pm$ 1.025	0.384 $\pm$ 1.044	0.352 $\pm$ 1.043	0.367 $\pm$ 1.051	0.364 $\pm$ 1.059	0.368 $\pm$ 1.053	0.372 $\pm$ 1.054
	INDEL	0.322 $\pm$ 1.030	0.364 $\pm$ 1.072	0.357 $\pm$ 1.050	0.357 $\pm$ 1.057	0.356 $\pm$ 1.060	0.362 $\pm$ 1.054	0.366 $\pm$ 1.058	0.367 $\pm$ 1.057
	SNP+INDEL	0.356 $\pm$ 1.035	0.362 $\pm$ 1.050	0.376 $\pm$ 1.046	0.357 $\pm$ 1.050	0.363 $\pm$ 1.056	0.364 $\pm$ 1.057	0.368 $\pm$ 1.056	0.369 $\pm$ 1.056