

**Table S6 Predictive abilities of RR-BLUP B when a reduced subset of markers was used compared to the predictive abilities of RR-BLUP**

<b>Trait</b>	<b>RR-BLUP</b>	<b>RR-BLUP B</b>	<b>Subset length</b>
HT	0.38	0.38	4630
HTLC	0.45	0.45	3910
BHLC	0.49	0.50	1380
DBH	0.46	0.46	3800
CWAL	0.38	0.39	820
CWAC	0.48	0.47	590
BD	0.27	0.28	1110
BA	0.51	0.52	1040
Rootnum_bin	0.28	0.28	2550
Rootnum	0.23	0.24	3350
Rust_bin	0.29	0.33	310
Rust_gall_vol	0.23	0.37	100
StiffnessTree	0.43	0.44	1300
Lignin	0.17	0.17	4240
Latewood%4	0.24	0.24	3820
Density	0.20	0.24	240
C5C6	0.25	0.25	4790