

Supplemental Table S1. Accuracy statistics for randomly split HRC panel. MAF range and mean/median/standard deviation (S.D.) of genotype R2 are shown in the columns.

PROTOCOL	MAF	MEAN	MEDIAN	S.D.
CENTRAL	[0,5e-05]	0.062972	0	0.230872
UNPHASED (NO AUGMENT)	[0,5e-05]	0.051237	0	0.209658
UNPHASED (AUGMENTED)	[0,5e-05]	0.048074	0	0.199794
PHASED (AUGMENTED)	[0,5e-05]	0.022232	0	0.137568
PHASED (NO AUGMENT)	[0,5e-05]	0.031435	0	0.166595
RESHAPE	[0,5e-05]	0.034167	0	0.17165
CENTRAL	(5e-05,0.0001]	0.20893	0	0.302913
UNPHASED (NO AUGMENT)	(5e-05,0.0001]	0.173236	0	0.279238
UNPHASED (AUGMENTED)	(5e-05,0.0001]	0.174911	0	0.281598
PHASED (AUGMENTED)	(5e-05,0.0001]	0.132568	0	0.254929
PHASED (NO AUGMENT)	(5e-05,0.0001]	0.127843	0	0.252102
RESHAPE	(5e-05,0.0001]	0.146489	0	0.270426
CENTRAL	(0.0001,0.00025]	0.324257	0.2499	0.312571
UNPHASED (NO AUGMENT)	(0.0001,0.00025]	0.277137	0.1763	0.29738
UNPHASED (AUGMENTED)	(0.0001,0.00025]	0.285161	0.1998	0.300703
PHASED (AUGMENTED)	(0.0001,0.00025]	0.239542	0.111	0.289518
PHASED (NO AUGMENT)	(0.0001,0.00025]	0.229679	0.0999	0.285477
RESHAPE	(0.0001,0.00025]	0.255896	0.1249	0.300271
CENTRAL	(0.00025,0.0005]	0.497144	0.4999	0.293036
UNPHASED (NO AUGMENT)	(0.00025,0.0005]	0.447736	0.4443	0.291736
UNPHASED (AUGMENTED)	(0.00025,0.0005]	0.457533	0.4499	0.293353
PHASED (AUGMENTED)	(0.00025,0.0005]	0.412442	0.3997	0.291657
PHASED (NO AUGMENT)	(0.00025,0.0005]	0.399227	0.3807	0.290379
RESHAPE	(0.00025,0.0005]	0.43107	0.4181	0.305777
CENTRAL	(0.0005,0.001]	0.621626	0.6624	0.2604
UNPHASED (NO AUGMENT)	(0.0005,0.001]	0.573084	0.6047	0.268562
UNPHASED (AUGMENTED)	(0.0005,0.001]	0.583083	0.617	0.270586
PHASED (AUGMENTED)	(0.0005,0.001]	0.546025	0.5783	0.273325
PHASED (NO AUGMENT)	(0.0005,0.001]	0.528156	0.5618	0.272035
RESHAPE	(0.0005,0.001]	0.569436	0.6121	0.286405
CENTRAL	(0.001,0.01]	0.757697	0.8142	0.208326
UNPHASED (NO AUGMENT)	(0.001,0.01]	0.716735	0.768	0.224874
UNPHASED (AUGMENTED)	(0.001,0.01]	0.726481	0.7831	0.22511
PHASED (AUGMENTED)	(0.001,0.01]	0.700683	0.7571	0.233323
PHASED (NO AUGMENT)	(0.001,0.01]	0.683743	0.7364	0.233685
RESHAPE	(0.001,0.01]	0.721944	0.7896	0.237459
CENTRAL	(0.01,0.05]	0.891892	0.9623	0.139612
UNPHASED (NO AUGMENT)	(0.01,0.05]	0.863341	0.9385	0.161181
UNPHASED (AUGMENTED)	(0.01,0.05]	0.870687	0.9472	0.157736
PHASED (AUGMENTED)	(0.01,0.05]	0.859945	0.9399	0.165583
PHASED (NO AUGMENT)	(0.01,0.05]	0.846851	0.9217	0.17163
RESHAPE	(0.01,0.05]	0.874575	0.9562	0.160557
CENTRAL	(0.05,1]	0.98246	0.9958	0.054243
UNPHASED (NO AUGMENT)	(0.05,1]	0.963762	0.9826	0.065466
UNPHASED (AUGMENTED)	(0.05,1]	0.972466	0.9896	0.061211
PHASED (AUGMENTED)	(0.05,1]	0.972207	0.9894	0.063144
PHASED (NO AUGMENT)	(0.05,1]	0.96269	0.9834	0.069436
RESHAPE	(0.05,1]	0.980076	0.9954	0.060488