Table S5. Fraction of local heritability explained in WTCCC1 simulated phenotypes.

| A: | # Low-frequency typed causals: | | | | |
	1	2	3	5	10
h^2_{GWAS}	100%	81%	70%	55%	37%
$h^2_{\mathrm{GWAS,joint}}$	101%	86%	75%	60%	46%
h^2_g local (se)	**60%** (3%)	**66%** (3%)	**71%** (3%)	**71%** (2%)	**87%** (3%)
$h^2_{g\mathrm{LD}}$ local (se)	102% (4%)	107% (3%)	106% (3%)	103% (3%)	103% (4%)
$h^2_{g\mathrm{LD}}/h^2_{\mathrm{GWAS}}$	1.03	**1.32**	**1.52**	**1.86**	**2.76**

| B: | # Common typed causals: | | | | |
	1	2	3	5	10
h^2_{GWAS}	100%	82%	70%	56%	37%
$h^2_{\mathrm{GWAS,joint}}$	101%	84%	71%	58%	45%
h^2_g local (se)	106% (3%)	104% (2%)	102% (2%)	**109%** (3%)	**110%** (2%)
$h^2_{g\mathrm{LD}}$ local (se)	97% (3%)	89% (3%)	92% (3%)	100% (3%)	102% (5%)
$h^2_{g\mathrm{LD}}/h^2_{\mathrm{GWAS}}$	0.98	1.09	**1.32**	**1.79**	**2.70**

| C: | # Low-frequency untyped causals: | | | | |
	1	2	3	5	10
h^2_{GWAS}	39%	32%	29%	21%	14%
$h^2_{\mathrm{GWAS,joint}}$	40%	35%	34%	24%	20%
h^2_g local (se)	28% (2%)	29% (2%)	31% (2%)	24% (2%)	23% (3%)
$h^2_{g\mathrm{LD}}$ local (se)	47% (3%)	49% (3%)	52% (3%)	41% (3%)	37% (4%)
$h^2_{g\mathrm{LD}}/h^2_{\mathrm{GWAS}}$	1.21	**1.51**	**1.80**	**1.93**	**2.57**

| D: | # Common untyped causals: | | | | |
	1	2	3	5	10
h^2_{GWAS}	66%	55%	46%	39%	26%
$h^2_{\mathrm{GWAS,joint}}$	68%	58%	46%	42%	32%
h^2_g local (se)	80% (3%)	80% (2%)	75% (2%)	84% (2%)	80% (2%)
$h^2_{g\mathrm{LD}}$ local (se)	77% (3%)	69% (3%)	66% (3%)	78% (3%)	77% (4%)
$h^2_{g\mathrm{LD}}/h^2_{\mathrm{GWAS}}$	**1.16**	**1.25**	**1.44**	**1.99**	**2.89**