

Supplementary Table 1 Estimation of genetic component of variance for nutritional traits in cucumber genotypes

Trait	$\sigma^2$ GCA (Line)	$\sigma^2$ GCA (Tester)	$\sigma^2$ GCA (Average)	$\sigma^2$ SCA (L × T)	$\sigma^2$ A	$\sigma^2$ D	$\sigma^2$ A/ $\sigma^2$ D (Variance ratio)
Dry matter (%)	0.09**	-0.0002	0.02**	0.04**	0.04	0.04	1.11
Ascorbic acid (mg/100 g)	0.13	0.04	0.06	0.24**	0.13	0.24	0.53
Protein (mg/g FW)	0.003	0.01*	0.01	0.02***	0.01	0.02	0.66
Total phenol (mg/100 g)	0.02	0.00	0.01	0.02**	0.01	0.02	0.50
Phosphorus (mg/g DW)	1.48	0.22	0.52	2.21**	1.03	2.21	0.47
Potassium (mg/g DW)	19.13	2.11	6.04	53.51**	12.08	53.51	0.23
Sodium (mg/g DW)	1.84	6.57**	5.48**	7.35**	10.97	7.35	1.49
Calcium (mg/g DW)	5.76	1.15	2.22	12.26**	4.43	12.26	0.36
Iron (mg/g 100 g DW)	1.87	0.20	0.58	4.22**	1.17	4.22	0.28
Zinc (mg/g 100 g DW)	0.50	0.02	0.13	1.09**	0.26	1.09	0.23