

Supplemental Table S1. Estimates of phenotypic (above diagonal), genetic (below diagonal) correlations and narrow-sense heritability (diagonal) of red flesh colour (WCI), astringency (ASTR), crispness (CRISP), firmness (FIRM), flesh browning disorder (FBD), juiciness (JUIC), sourness (SOUR) and sweetness (SWEET) in apples. NS= non-significant ($p > 0.01$).

	FIRM	CRISP	JUIC	SWEET	SOUR	ASTR	WCI	FBD
FIRM	0.60	0.71	0.18	0.14	-0.05 ^{ns}	0.19	-0.11	-0.14
CRISP	0.67	0.36	0.49	0.09 ^{ns}	-0.06 ^{ns}	0.12	-0.21	-0.12
JUIC	0.07 ^{ns}	0.55	0.71	-0.10	0.12	0.12	0.01 ^{ns}	0.07 ^{ns}
SWEET	0.38	0.46	0.06 ^{ns}	0.27	-0.50	-0.11	-0.16	-0.05 ^{ns}
SOUR	-0.30	-0.41	0.06 ^{ns}	-0.69	0.40	0.26	0.36	0.03 ^{ns}
ASTR	0.36	0.08 ^{ns}	0.04 ^{ns}	0.07 ^{ns}	0.22	0.52	0.27	0.07 ^{ns}
WCI	-0.12	-0.35	-0.07 ^{ns}	-0.42	0.61	0.51	0.57	0.32
FBD	-0.28	-0.43	-0.10	-0.58	0.39	0.08 ^{ns}	0.58	0.09