

Table 1 Historical genetic gains

Trait <sup>a</sup>	$\hat{H}^2$ <sup>b</sup>	$\sigma_{G \times Y}^2 / \sigma_P^2$ <sup>c</sup>	Benchmark <sup>d</sup>	EMM <sub>1</sub>	EMM <sub>2</sub>	$\Delta G$	$\Delta G$ (%) <sup>e</sup>	$Pr > t^f$
Yield (g/plant)	0.88	0.06	Elite x Elite	1091.3	36.7	1054.6	2873.6	0.003
			Elite x Wild		16.2	1075.1	6636.4	0.002
Count	0.92	0.04	Elite x Elite	40.4	2.6	37.8	1453.9	0.002
			Elite x Wild		1.0	39.4	3940.0	0.002
Weight (g/fruit)	0.93	0.02	Elite x Elite	41.7	12.7	29.0	228.3	0.004
			Elite x Wild		6.9	34.8	504.3	0.006
Firmness (kg-force)	0.75	0.04	Elite x Elite	1.39	0.41	0.98	239.0	0.006
			Elite x Wild		0.16	1.23	768.8	0.003
TSS (%)	0.59	0.13	Elite x Elite	15.2	5.5	9.7	176.4	0.110
			Elite x Wild		7.4	7.8	105.4	0.146
TA (%)	0.82	0.07	Elite x Elite	1.16	0.57	0.59	103.5	0.096
			Elite x Wild		0.64	0.52	81.3	0.094
TSS/TA	0.70	0.06	Elite x Elite	18.9	6.2	12.7	204.8	0.020
			Elite x Wild		7.7	11.2	145.5	0.011
Anthocyanin (ng/mL)	0.75	0.00	Elite x Elite	241.8	47.8	194.0	405.9	0.020
			Elite x Wild		45.4	196.4	432.6	0.019