

Table S3. Principal Component Analysis in tomato fruit hybrids for different agronomic, physical, organoleptic, and bioactive traits.

	PC1	PC2	PC3	PC4	PC5	PC6
Eigenvalue	5.952	4.686	3.157	2.572	2.044	1.47
Variability (%)	24.802	19.524	13.153	10.715	8.517	6.123
Cumulative (%)	24.802	44.326	57.479	68.194	76.711	82.835
Factor loading						
Y	-0.311	-0.391	0.638	0.160	-0.101	-0.105
MFW	0.669	-0.420	0.284	0.374	-0.243	0.249
FN	-0.766	-0.019	0.234	-0.025	0.206	-0.227
ED	0.609	-0.367	0.335	0.412	-0.315	0.171
LD	0.158	-0.105	-0.576	-0.446	0.406	0.172
CH	0.446	-0.105	-0.200	-0.608	0.103	-0.122
HUE	-0.669	0.236	0.172	-0.031	-0.341	0.040
TSS	-0.194	0.034	-0.363	0.277	0.581	0.438
TA	-0.304	0.221	-0.072	0.601	0.300	0.295
VC	0.150	0.480	-0.502	0.248	0.189	-0.438
HC	0.523	0.465	-0.436	-0.026	-0.144	0.203
FO	0.467	0.595	-0.163	0.140	-0.367	-0.017
FA	0.159	0.630	0.289	-0.599	-0.261	0.033
GLC	0.366	0.344	0.123	0.584	-0.081	-0.511
FRT	0.285	0.560	-0.201	0.327	0.284	-0.483
LY	0.161	0.514	0.635	-0.196	0.439	0.057
PHF	0.689	0.021	0.516	-0.010	0.401	-0.005
CHL	-0.525	0.709	0.139	0.229	-0.080	0.283
PHE	0.844	0.108	0.350	0.010	0.226	0.096
BC	-0.619	-0.299	0.278	-0.191	0.111	-0.336
VIO	-0.845	0.392	0.102	-0.073	-0.086	0.047
LU	-0.409	0.779	0.009	0.235	-0.087	0.220