Table 4. Factor loadings from the floral characters PCA

Flower character	Loading	
	Factor 1 (79.5%)	Factor 2 (16.7%)
Morphology		
Flower length (cm)	**0.96**	-0.25
Flower diameter (cm)	**0.95**	-0.26
Flower weight (g)	**0.95**	-0.24
Visual		
Reflectance (%) at 510 nm	**0.82**	-0.35
Receptor excitation – UV	-0.25	0.55
Receptor excitation – Blue	**0.94**	0.30
Receptor excitation – Green	**0.94**	0.27
Floral brightness	**0.92**	0.36
Gustatory		
Sucrose:hexose sugar ratio	**0.96**	-0.24
Standing crop (mL per	**-0.92**	0.22
Total sugar concentration (g	**-0.91**	0.35
Scent		
Emission rate (ng per flower	0.23	0.20
Monoterpenes (%)	0.70	-0.27
Sequiterpenes (%)	**0.92**	-0.25
Aromatics (%)	**0.87**	-0.11
Esters (%)	**-0.82**	0.18

The first two factors account for 96.2% of the sample variance. Loadings greater than 75% are shown in boldface. Floral morphological characters, reflectance and receptor excitations, sugar ratio, and the terpenoid and aromatic composition of the scent were highly correlated and positively loaded on Factor 1. In contrast, nectar standing crop, sugar concentration and the esters in the headspace were negatively correlated.