

Supplementary Material

1 SUPPLEMENTARY DATA

Raw sequencing data and SNP sets for each species can be found at <http://cucurbitgenomics.org/v2/> .

1.1 Figures

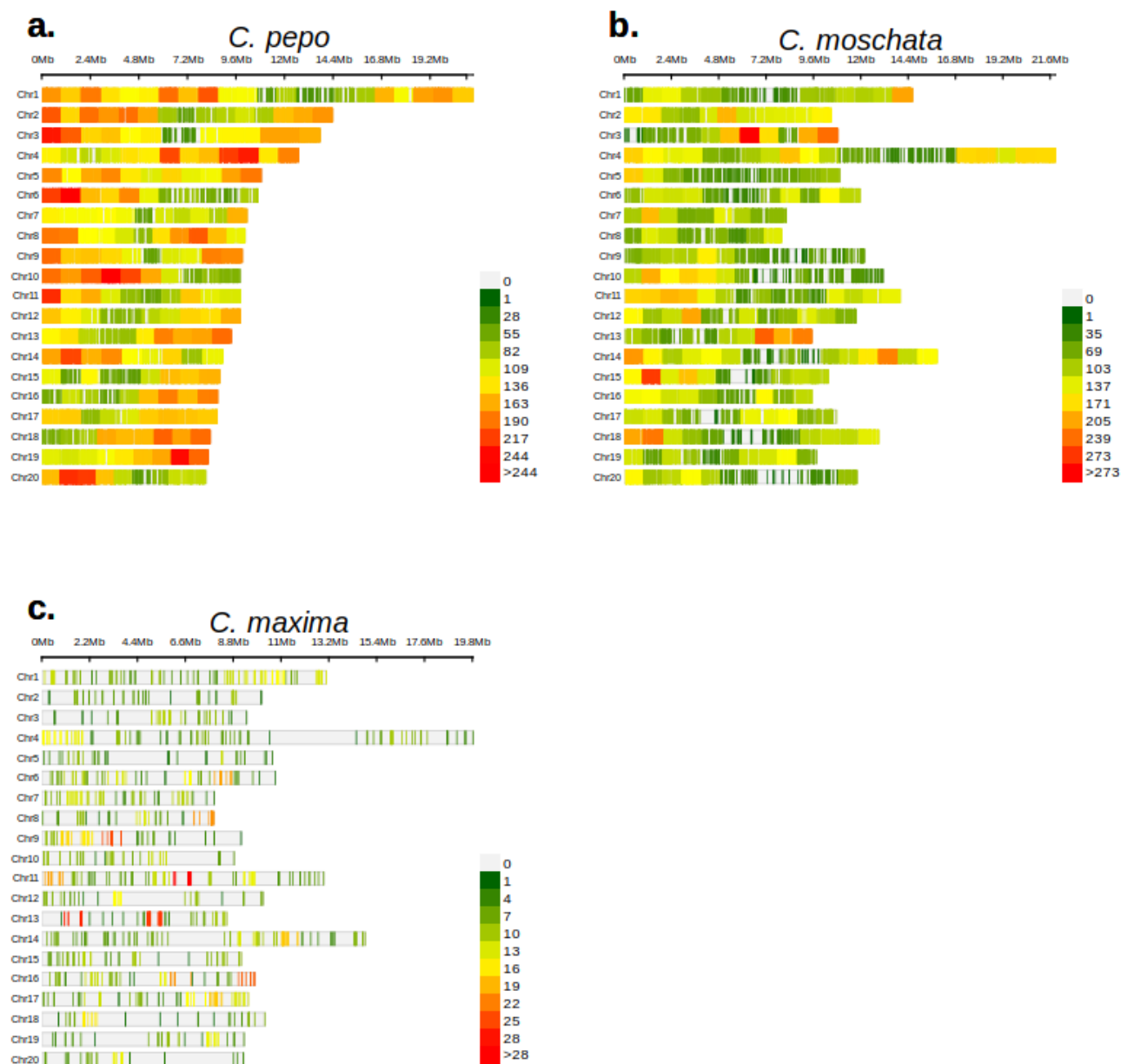


Figure S1. SNP distribution across chromosomes for **Panel a.** *C. pepo*, **Panel b.** *C. moschata*, and **Panel c.** *C. maxima*.

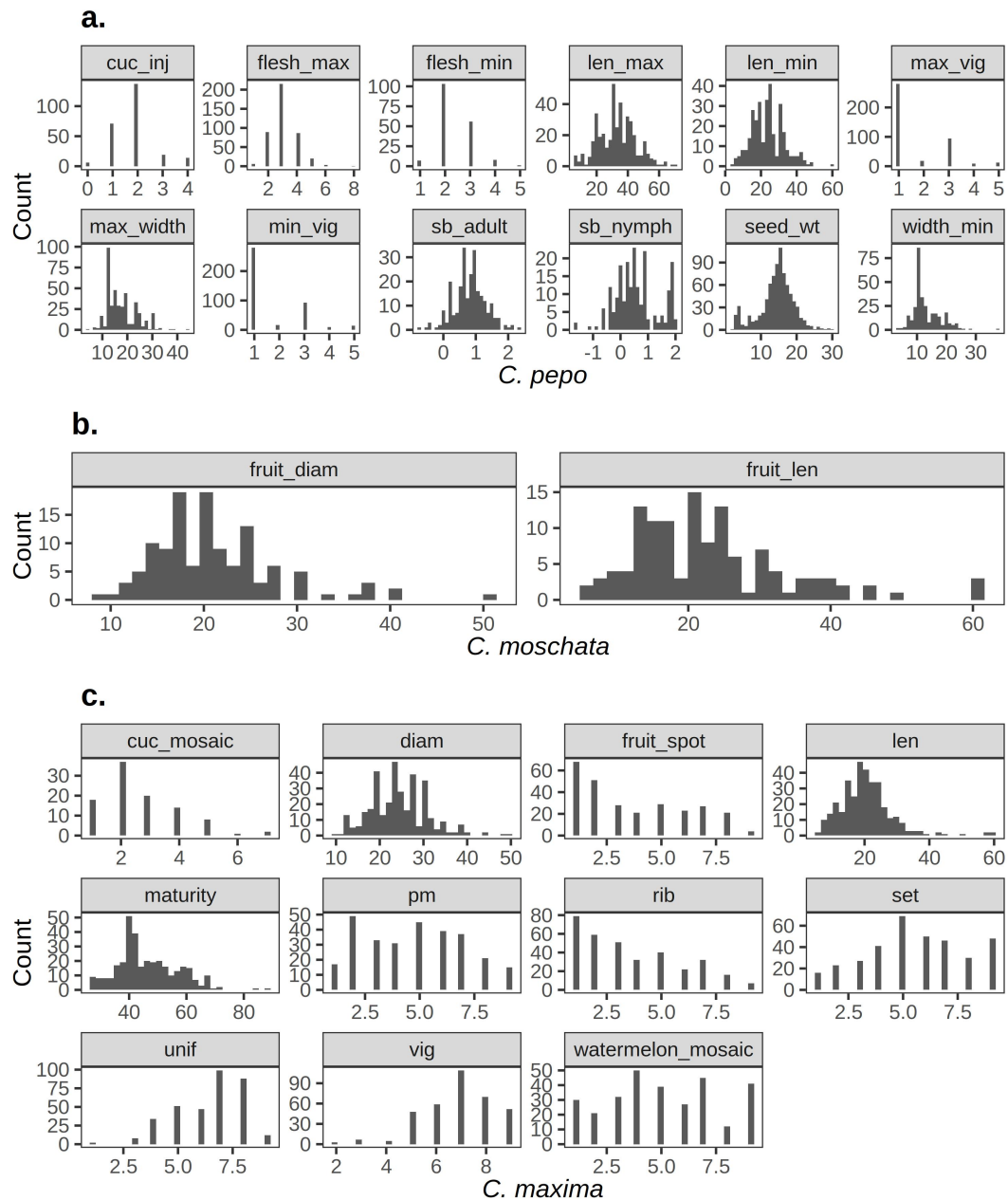


Figure S2. Histograms of continuous and ordinal traits for **Panel a.** *C. pepo*, **Panel b.** *C. moschata*, and **Panel c.** *C. maxima*.

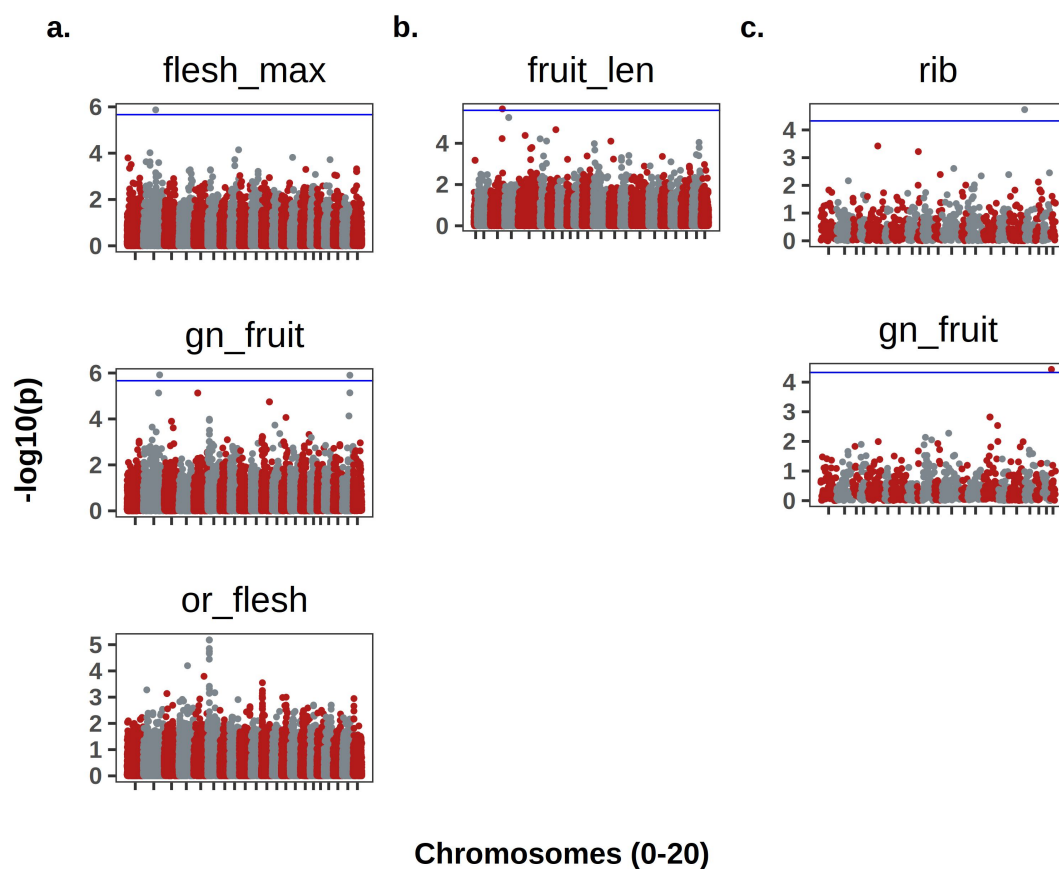


Figure S3. GWAS results for **Panel a.** *C. pepo*, **Panel b.** *C. moschata*, and **Panel c.** *C. maxima*.

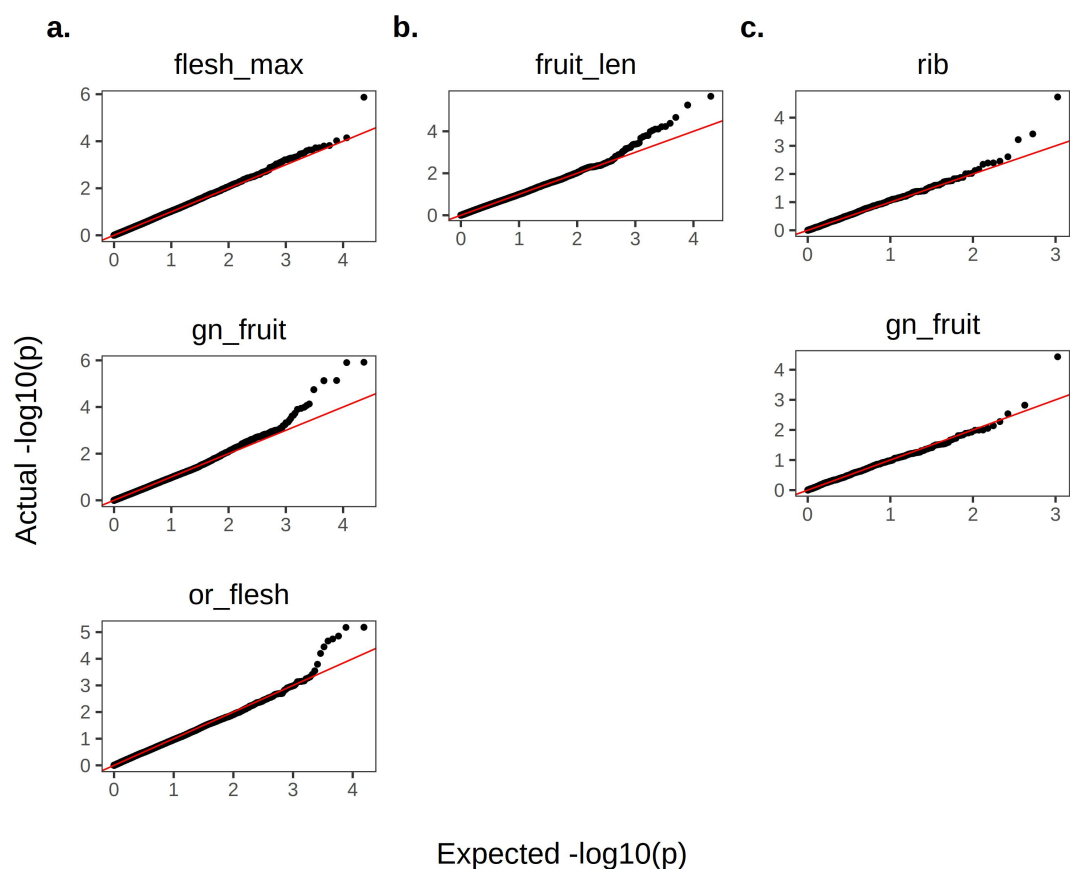


Figure S4. Q-Q plots for GWAS results for **Panel a.** *C. pepo*, **Panel b.** *C. moschata*, and **Panel c.** *C. maxima*.

1.2 Tables

Trait	Species	Chrom	Pos	Alleles
plant_type	<i>C. pepo</i>	6	3962527	G/C
		10	3507098	C/T
		10	3507179	G/T
		10	3507087	A/G
		10	3507387	C/T
plant_type2	<i>C. pepo</i>	10	679593	A/C
		10	753000	T/C
		10	768265	T/C
		10	666810	T/C
		10	974041	G/A
gn_fruit	<i>C. pepo</i>	1	17395123	C/T
		19	6509248	A/G
		19	6509202	T/C
		1	16658797	G/C
		4	5142030	C/T
or_flesh	<i>C. pepo</i>	5	1075625	A/T
		5	1075652	T/G
		5	1074883	T/C
		5	1072306	G/T
		5	1115573	C/T
flesh_max	<i>C. pepo</i>	1	10063336	C/T
		7	9444225	T/A
		1	5697024	C/T
		13	2248185	G/A
		0	1463850	G/A
fruit_len	<i>C. moschata</i>	2	9116220	T/C
		3	5539269	T/A
		3	5539270	T/A
		6	10461612	C/T
		4	6338885	C/T
rib	<i>C. maxima</i>	17	76012	T/C
		4	8332568	C/T
		8	1759117	A/T
		11	6776288	A/G
		19	8123733	A/C
gn_fruit	<i>C. maxima</i>	20	1087480	G/A
		14	9051301	G/T
		14	9051304	A/T
		14	14410557	C/T
		11	3829766	C/T

Table S1. The position and allele are shown for the top five association results for each trait for which there was a GWAS signal.