

QTLs detected for yield components and fiber quality in F₂ population of upland cotton. The new

QTLs were in bold

Traits	QTL	Location	Marker interval	Nearest marker	Position	LOD	R ²	A	D	Mode
BN	qBN-c20-1	Chr20	HAU-J6117-HAU-DJ-I102	DHL0442	74.31	5.17	14.55%	-1.57	0.08	A
	qBN-c20-2	Chr20	MON_COT119-MON_CGR6110	HAU1224	107.68	5.64	14.88%	1.92	-0.64	FD
SCW	qSCW-c7-1	Chr7	HAU1693-HAU-D5478	ACATGC-1100	56.79	4.49	11.61%	-0.09	0.22	OD
	qSCW-c7-2	Chr7	HAU-D5478-HAU-J5712	HAU-D5478	61.96	4.95	12.27%	0.06	0.42	OD
LW	qLW-c20	Chr20	GTGTTG-800-HAU-DJ-S174	BNL3948	38.89	4.67	11.50%	0.09	-0.01	A
	qLW-c8-1	Chr8	TACATA-600-Gh390	HAU3346	47.7	4.78	11.04%	-0.06	0.02	PD
	qLW-c8-2	Chr8	Gh390-AGTGCT-900	CGTGTC-1500	48.45	4.59	10.62%	-0.07	0.03	FD
	qLW-c8-3	Chr8	HAU-DJ-I087-TGTGGA-700	AGCGGG-250	49.42	4.44	10.41%	-0.06	0.02	FD
	qLW-c8-4	Chr8	BNL3257-AGCACG-520	ATATCT-1300	52.72	4.39	10.31%	-0.06	0.03	FD
	qLW-c8-5	Chr8	TCATGC-200-MON_CGR5161	TCATGC-200	56.16	4.22	9.80%	-0.06	0.03	FD
SI	qSI-c7	Chr7	HAU1693-HAU-D5478	ACATGC-1100	56.88	4.50	12.15%	-0.29	0.45	OD
	qSI-c26	Chr26	NAU3305-HAU-DJ-I061	CAGTCG-120	17.92	4.26	13.19%	0.37	-0.44	OD
	qSI-c8-1	Chr8	TGCCCA-1050-AAGATT-300	Gh390	48.14	5.01	14.09%	-0.31	-0.06	FD
	qSI-c8-2	Chr8	TAGAGC-160-CTGGAT-100	CCTCGG-1000	52	4.96	13.91%	-0.36	0.00	A
	qSI-c8-3	Chr8	AGCACG-520-TAGAAC-480	CATCCA-1100	53	4.28	12.26%	-0.31	-0.03	A
LP	qLP-c20	Chr20	TATAGC-760-DHL0026	Gr-Gh012	83.67	5.77	13.43%	0.92	-0.65	FD
	qLP-c13	Chr13	HAU-D5117-SSCPHAU-DJ-S421	HAU-DJ4943	19.28	4.53	10.70%	-0.66	-0.35	FD
LI	qLI-Ig1	LG1	TMB0670-HAU1792	AACGTC-400	45.69	4.49	10.16%	0.19	-0.10	FD
	qLI-c20	Chr20	CIR043-HAU-DJ-S077	BNL3948	38.89	7.83	16.62%	0.24	-0.07	PD
	qLI-c25-1	Chr25	HAU4595-HAU-J5872	HAU4814	11.39	6.14	12.41%	-0.23	0.03	FD
FL	qLI-c25-2	Chr25	HAU-J5872-CAGTAT-400	CAGGAT-450	21.13	6.91	14.35%	-0.25	0.11	FD
	qFL-c21	Chr21	TMB1276-CAATGG-1000	GAAGTA-360	83.74	4.11	7.59%	0.06	0.46	OD
	qFL-c14	Chr14	CAGATT-280-MON_SHIN-1411	HAU-DJ-I056	72.77	6.32	13.38%	0.62	-0.45	FD
	qFL-c10	Chr10	CIR305-TATAAG-1080	CIR305	6.01	9.57	37.09%	1.16	1.15	D
FS	qFS-Ig9-1	LG9	HAU-DJ4982-HAU2688a	HAU2689	38.19	4.13	18.88%	0.51	1.06	OD
	qFS-Ig9-2	LG9	HAU2688a-HAU-DJ-I091	HAU2688a	41.74	4.74	23.23%	0.57	1.76	OD
FE	qFE-c22-1	Chr22	HAU-D5397-SSCPHAU087	HAU-D5397-SSCP	17.21	4.05	10.08%	-0.14	0.02	A
	qFE-c22-2	Chr22	HAU087-NAU5046	HAU-D5527	32.43	4.63	13.92%	-0.11	-0.13	D
MV	qMV-c22	Chr22	HAU-D5527-TMB0206	NAU5046	37.67	5.38	12.24%	0.06	0.18	OD
	qMV-c21	Chr21	HAU-DJ-S150-TGTGGT-350	TGTGGT-350	15.01	4.31	18.92%	0.01	0.23	OD
	qMV-c24	Chr24	TTGTGT-200-HAU-DJ-S042	GGATAT-680	21.48	4.24	10.23%	-0.13	-0.04	PD
	qMV-c14-1	Chr14	NBRI_HQ527580-NAU5467	NAU5467	6.42	4.04	8.72%	0.00	-0.15	OD
	qMV-c14-2	Chr14	NAU5467-TTAGGA-650	STV030	7.83	4.12	8.85%	-0.01	-0.15	OD