

Table 5 The QTL detected with fiber quality in RIL(F_{2:9}) population

Traits	QTL name	Generation	Linkage group/ Chromosome	Position	Left marker	Right marker	LOD	Additive effect	Contribution rate (%)
Fiber strength	<i>qFS-3-1</i>	RIL (F _{2:3})	3/A6	30	HAU2064	HAU2349	2.75	-0.52	5.10
Fiber micronaire value	<i>qFM-3-1</i>	RIL (F _{2:3})	3/A6	30	HAU2064	HAU2349	2.54	0.07	5.29
	<i>qFM-5-1</i>	RIL (F _{2:3})	5/A7	66	SWU10174	SWU18696	4.55	0.08	7.51
Fiber uniformity	<i>qFU-3-1</i>	RIL (F _{2:3})	3/A6	50	SWU21660	HAU2710	3.33	-0.30	6.38
Fiber elongation	<i>qFE-6-1</i>	RIL (F _{2:9})	6/A(D)9	1	CGR6806	NAU3414	3.86	-0.24	7.42
	<i>qFE-1-1</i>	RIL (F _{2:9})	1/A1	17	DPL0187	SWU11630	5.65	0.17	10.26