

## SUPPLEMENTARY MATERIAL

**Table S1.** Predicted genotypic values for the traits fiber yield and fiber length (FY | FL) evaluated in 16 cotton genotypes cultivated in 8 environments in the Mato Grosso State, Brazil.

Genotypes	Environment							
	1	2	3	4	5	6	7	8
BRS 286	2.17   31.68	4.03   31.38	1.85   30.01	1.25   29.84	3.02   31.23	3.36   30.18	1.34   31.76	1.96   31.03
BRS 293	2.39   32.08	4.27   31.65	2.03   29.72	1.32   29.48	3.28   31.44	3.63   29.97	1.43   32.18	2.16   31.16
BRS ARACA	2.29   32.15	3.97   31.85	1.96   30.49	1.33   30.32	3.08   31.70	3.39   30.66	1.43   32.23	2.08   31.50
BRS BURITI	2.53   33.00	3.83   32.52	2.20   30.35	1.46   30.08	3.22   32.28	3.45   30.62	1.58   33.12	2.32   31.97
BRS CEDRO	2.45   31.77	4.06   31.43	2.10   29.92	1.39   29.74	3.24   31.27	3.53   30.12	1.50   31.85	2.23   31.05
CNPA MT 042080	2.52   31.92	4.05   31.53	2.17   29.79	1.41   29.57	3.30   31.34	3.57   30.01	1.53   32.02	2.29   31.09
CNPA MT 042088	2.38   31.87	4.20   31.60	2.03   30.38	1.32   30.23	3.24   31.47	3.58   30.53	1.43   31.94	2.15   31.29
CNPA MT 051245	2.42   31.90	4.01   31.54	2.05   29.94	1.26   29.74	3.23   31.37	3.51   30.14	1.39   31.99	2.18   31.13
DELTA OPAL	2.29   32.48	3.27   32.08	2.02   30.29	1.36   30.07	2.84   31.89	3.01   30.52	1.47   32.58	2.12   31.63
FM 910	2.40   32.77	4.28   32.41	2.04   30.82	1.35   30.62	3.28   32.24	3.63   31.02	1.45   32.86	2.17   32.01
FM 993	2.46   32.28	4.40   31.97	2.07   30.52	1.30   30.35	3.39   31.81	3.74   30.71	1.42   32.37	2.21   31.60
FMT 701	2.43   31.53	4.11   31.18	2.08   29.62	1.37   29.42	3.25   31.01	3.55   29.82	1.48   31.62	2.20   30.78
IPRJATAI	2.33   32.20	3.82   31.78	2.00   29.88	1.30   29.65	3.07   31.58	3.34   30.12	1.41   32.31	2.11   31.30
LDCV 02	1.93   31.09	3.64   30.86	1.64   29.81	1.13   29.68	2.70   30.74	3.01   29.94	1.20   31.15	1.74   30.59
LDCV 05	2.39   31.42	4.15   31.07	2.04   29.47	1.32   29.27	3.24   30.89	3.56   29.67	1.43   31.51	2.16   30.66
NUOPAL	2.28   32.73	4.02   32.30	1.95   30.36	1.28   30.12	3.11   32.09	3.43   30.61	1.38   32.84	2.07   31.80