

Table 3 Principle component analysis of different quality and morphological traits in cotton

	PC I	PC II	PC III	PC IV	PC V
Eigen value	2.04	1.72	1.17	1.15	1.06
% of total variance	18.5	15.6	10.6	10.5	9.7
Cumulative variance %	18.5	34.2	44.8	55.3	65.0
Continuation (Factor loadings by various traits)					
Variable	PC I	PC II	PC III	PC IV	PC V
DFS	0.581	0.273	-0.257	0.094	0.041
DFD	0.588	0.224	-0.244	0.093	0.089
CLCuD%	0.184	-0.196	0.272	-0.417	0.386
PH (cm)	-0.273	0.547	-0.169	-0.013	0.139
NFFF	0.294	0.111	0.377	-0.301	0.045
MPP	-0.270	0.377	-0.060	0.200	0.405
SPP	-0.072	0.316	0.216	-0.551	0.162
BW (g)	-0.015	-0.174	-0.021	0.240	0.764
GOT (%)	0.162	-0.370	-0.000	0.117	0.167
SL(mm)	0.039	0.020	0.581	0.488	0.009
FF ($\mu\text{g}/\text{inch}$)	-0.126	-0.341	-0.491	-0.253	0.135