

Table 4 The quantitative distribution of the key traits of the domestic bred varieties in Northern Xinjiang

	I	II	III	IV	V
Boll number each plant	3.3~4.5	4.7~5.7	6.2~7.2	7.8~8.2	9.5~9.7
Variety number	6	11	15	4	2
Rate (%)	15.8	28.9	39.5	10.5	5.3
Name	2, 5, 23, 27, 31, 37	1, 4, 10, 12, 18, 22, 26, 30, 34, 35, 39	3, 7, 9, 11, 14, 15, 16, 17, 20, 21, 24, 25, 28, 29, 36	6, 13, 19, 33	8, 32
Boll weigh	5~5.7	5.9~6.4	6.5~7.1	7.4~7.6	8~8.4
Variety number	6	7	19	4	2
Rate (%)	15.8	18.4	50	10.5	5.3
Name	1, 2, 3, 5, 18, 36	9, 10, 11, 13, 15, 19, 22	4, 6, 7, 8, 12, 14, 16, 17, 21, 23, 25, 27, 28, 30, 32, 33, 34, 35, 37	20, 29, 31, 39	24, 26
Lint	35.2~36.3	36.8~39.2	39.3~40.9	41.8~43.1	44.2~45.2
Variety number	5	16	8	7	2
Rate (%)	13.2	42.1	21.1	18.4	5.3
Name	20, 29, 30, 31, 32	1, 2, 3, 5, 8, 15, 17, 21, 22, 24, 27, 28, 33, 34, 37, 39	4, 10, 11, 13, 16, 23, 35, 36	6, 7, 9, 12, 18, 19, 26	14, 25
Boll weight	9.7~10.4	10.5~11.4	11.5~12.5	12.6~13.1	13.9
Variety number	7	14	12	4	1
Rate (%)	18.4	36.8	31.6	10.5	2.6
Name	2, 5, 6, 9, 13, 21, 36	1, 7, 8, 10, 11, 17, 20, 22, 23, 25, 26, 30, 34, 35	3, 12, 14, 15, 16, 18, 19, 27, 28, 31, 37, 39	4, 24, 29, 32	33
Fibre length	27.7~28.8	28.9~30.8	31.5~32.6	33.4~34.6	-
Variety number	5	19	6	8	-
Rate (%)	13.2	50	15.8	21.1	-
Name	5, 6, 7, 18, 19	1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 17, 23, 32, 33, 34, 36, 37	21, 22, 25, 26, 30, 35	16, 20, 24, 27, 28, 29, 31, 39	-
Micronaire	3.2~3.6	3.7~4	4.1~4.5	4.6~5	5.1~5.2
Variety number	3	7	14	12	2
Rate (%)	7.9	18.4	36.8	31.6	5.3
Name	29, 30, 31	5, 16, 17, 20, 22, 24, 39	7, 8, 9, 12, 14, 23, 25, 27, 28, 32, 33, 34, 36, 37	1, 3, 4, 6, 11, 13, 15, 18, 19, 21, 26, 35	2, 10
Strength	26~27.1	27.4~29.6	30~32.5	33.8~35.3	35.9~37.2
Variety number	2	16	14	3	3
Rate (%)	5.3	42.1	36.8	7.9	7.9
Name	8, 18	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 19, 23	17, 21, 22, 25, 26, 28, 30, 31, 32, 33, 34, 35, 36, 37	16, 27, 39	20, 24, 29

Note: The digital code in variety column presented the serial number of Xinluzao