

Table 5 Soybean materials with different seed color used in this experiment

ZDD No.	Variety Name	Source	Seed Coat Color	Cotyledon Color	Group
ZDD00664	Daqingdou	Huadian, Jilin	Dark green	Green	DG
ZDD07524	Huinanwuxianqingdadou	Huinan, Jilin	Dark green	Green	DG
ZDD18014	Daqingdou	Preserved before 1949	Dark green	Green	DG
ZDD22812	Jiqing99	Jilin Academy of Agricultural Sciences	Green	Green	DG
ZDD22831	Jiqing155	Jilin Academy of Agricultural Sciences	Green	Green	DG
ZDD07529	Hailongtouxinlv	Hailong, Jilin	Green	Green	DG
ZDD07513	Helonglv Dadou	Helong, Jilin	Green	Green	DG
ZDD07521	Huinyanyaqingdou	Huinan, Jilin	Green	Green	DG
ZDD00674	Zaqingdou	Naiman, Inner Mongolia	Green	Green	DG
ZDD00662	Yaqingdou	Yongji, Jilin	Green	Green	DG
ZDD00711	Chamoshidou	Jilin	Dark brown	Yellow	BN
ZDD07580	Baichengmoshidou	Baichen, Jilin	Dark brown	Yellow	BN
ZDD07598	Dalaibianchamoshidou	Da'an, Jilin	Dark brown	Yellow	BN
ZDD07617	Chaganhuachamoshidou	Qianguo, Jilin	Dark brown	Yellow	BN
ZDD07610	Jinshanchamoshidou	Chaona, Jilin	Dark brown	Yellow	BN
ZDD07539	Yushuchangchadou	Yushu, Jilin	Dark brown	Yellow	BN
ZDD07535	Gong474	Preserved before 1949	Dark brown	Yellow	BN
ZDD07540	Nonganjiangsedou	Nongan, Jilin	Dark brown	Yellow	BN
ZDD00698	Chasedou	Jilin Academy of Agricultural Sciences	Dark brown	Yellow	BN
ZDD07541	Yongjichadou	Yongji, Jilin	Dark brown	Yellow	BN
ZDD00669	Tiejiaqing	Fusong, Jilin	Light green	Yellow	LG
ZDD00671	Xiaoliqing	Jian, Jilin	Light green	Yellow	LG
ZDD07517	Qianguohebao	Qianguo, Jilin	Light green	Yellow	LG
ZDD00666	Tiejiaqing	Tonghua, Jilin	Light green	Yellow	LG
ZDD00657	Qingpidou	Yitong, Jilin	Light green	Yellow	LG
ZDD07532	Changbaidaqingdou	Changbai, Jilin	Light green	Yellow	LG
ZDD18001	Qingpi	Preserved before 1949	Light green	Yellow	LG
ZDD18016	Qingdou	Preserved before 1949	Light green	Yellow	LG
ZDD18018	Qingmoshidou	Preserved before 1949	Light green	Yellow	LG
ZDD18025	Daqingdou	Preserved before 1949	Light green	Yellow	LG
ZDD18028	Qingpidou	Preserved before 1949	Light green	Yellow	LG
ZDD00681	Heidou	Jilin	Black	Yellow	BK
ZDD00709	Heimoshidou	Jilin	Black	Yellow	BK
ZDD00691	Heidadou	Antu, Jilin	Black	Yellow	BK
ZDD07599	Daanniheimoshidou	Daan, Jilin	Black	Yellow	BK
ZDD00678	Heipiqingrang	Huaide, Jilin	Black	Green	BK
ZDD07551	Jilinhuimaohaidou	Jilin, Jilin	Black	Yellow	BK
ZDD00686	Heidou	Jingyu, Jilin	Black	Yellow	BK
ZDD00689	Heidou	Tonghua, Jilin	Black	Yellow	BK
ZDD00717	Heimodou	Jilin Zhelimu League	Black	Yellow	BK

Note: DG: Dark green; BN: Brown; LG: Light green; BK: Black; YW: Yellow