

**Table S1.** Detailed information on the radish accessions that were tested in this study

Accession	Cultivar Name	Source (cities, provinces/countries)	Disease Index <sup>a</sup>	Resistance
<i>Group 1. Cultivars that were collected from North China</i>				
CRR1	Bai pi chang luo bo	Gaoyi, Hebei	89.81±2.33	HS
CRR2	Da hong luo bo	Tangshan, Hebei	71.23±4.69	HS
CRR3	Da wu ye luo bo	Weichang, Hebei	67.76±4.54	HS
CRR4	Da wu ye luo bo	Weichang, Hebei	44.91±3.51	S
CRR5	Liu ying luo bo	Weichang, Hebei	66.67±2.70	HS
CRR6	Wu qiang qing	Wuqiang, Hebei	78.52±3.07	HS
CRR7	Xi pi bai luo bo	Baoding, Hebei	53.09±2.77	S
CRR8	Xiang ya bai	Zanhuang, Hebei	67.97±1.13	HS
CRR9	Xiang ya bai	Yuanshi, Hebei	75.33±0.80	HS
CRR10	Xiang ya bai	Zhaoxian, Hebei	73.81±0.30	HS
CRR11	Zhuo zhou luo bo	Zhuozhou, Hebei	78.61±5.15	HS
CRR12	Qing luo bo	Tianjin, Tianjin	89.30±6.43	HS
CRR13	Wei qing	Tianjin, Tianjin	68.79±4.95	HS
CRR14	Wei qing	Tianjin, Tianjin	29.53±4.69	MR
CRR15	Xiao wa wa lian	Tianjin, Tianjin	57.61±4.85	S
CRR16	Xin li mei	Beijing, Beijing	76.85±0.93	HS
CRR17	Man tang hong	Beijing, Beijing	54.89±8.60	S
CRR18	Chun zao hong	Beijing, Beijing	57.67±3.33	S
CRR19	Da hong pao	Beijing, Beijing	71.34±1.77	HS
CRR20	Xin li mei	Beijing, Beijing	34.41±4.53	S
CRR21	Bai zui tou	Hunyuan, Shanxi	57.09±2.17	S
CRR22	Dong bu qiu	Wenxi, Shanxi	58.67±5.11	S
CRR23	Jiang xian bai	Jiangxian, Shanxi	85.19±7.41	HS
CRR24	Long ci	Linfen, Shanxi	44.45±1.12	S
CRR25	Shui luo bo	Lingqiu, Shanxi	81.77±5.23	HS
CRR26	Shui luo bo	Puxian, Shanxi	70.53±5.18	HS
CRR27	Bai gu niang	Quwo, Shanxi	71.65±3.72	HS
CRR28	Bai pi luo bo	Ruicheng, Shanxi	71.11±6.67	HS
CRR29	Shui luo bo	Taiyuan, Shanxi	62.91±6.42	HS
CRR30	Shui luo bo	Changzhi, Shanxi	79.63±4.11	HS
CRR31	Da qing luo bo	Chifeng, Inner Mongolia	47.36±6.55	S
CRR32	Min shui luo bo	Huhe, Inner Mongolia	76.38±1.88	HS
CRR33	Qing pi cui	Linxi, Inner Mongolia	87.47±3.46	HS
CRR34	Xiang ya bai	Hangjin, Inner Mongolia	82.88±4.98	HS
CRR35	Chang bai luo bo	Chifeng, Inner Mongolia	61.23±7.36	HS
<i>Group 2. Cultivars that were collected from Northeast China</i>				
CRR36	Xiao hong pao	Jiangsheng, Heilongjiang	54.01±5.52	S
CRR37	Da hong pao	Jiangwang, Heilongjiang	83.67±4.99	HS
CRR38	Tong yuan qing	Dongfeng, Jilin	54.50±1.28	S
CRR39	Da hong pao	Changchun, Jilin	85.24±2.64	HS
CRR40	Da hong luo bo	Yingkou, Liaoning	78.50±2.26	HS
CRR41	Xin li mei	Nongke, Liaoning	81.60±6.90	HS
CRR42	Da hong pao	Chaoyang, Liaoning	67.59±3.59	HS
CRR43	Xiao wu ying	Dalian, Liaoning	70.53±3.71	HS

*Group 3. Cultivars that were collected from East China*

CRR44	Zong yang	Zongyang, Anhui	58.65±1.64	S
CRR45	Da qing luo bo	Shouxian, Anhui	59.26±3.32	S
CRR46	Da qing luo bo	Hefei, Anhui	75.98±6.23	HS
CRR47	Da zi luo bo	Huoqiu, Anhui	59.01±4.07	S
CRR48	Ding di bai	Liuan, Anhui	64.20±7.84	HS
CRR49	Ding di bai	Liuan, Anhui	62.16±5.95	HS
CRR50	Fen jiang	Huoqiu, Anhui	56.28±7.34	S
CRR51	Gao chun yuan	Wuhu, Anhui	82.72±4.94	HS
CRR52	Hen di zuan	Huoqiu, Anhui	60.85±3.82	HS
CRR53	Hua ye bai	Shexian, Anhui	73.99±2.67	HS
CRR54	Jiu ying hong	Huainan, Anhui	79.41±4.79	HS
CRR55	Lu jiang zao	Lujiang, Anhui	0.00±0.00	I
CRR56	Qing tou	Funan, Anhui	64.62±4.62	HS
CRR57	Qing tou nen	Liuan, Anhui	89.89±3.54	HS
CRR58	Qiu hong luo bo	Huainan, Anhui	62.53±8.64	HS
CRR59	Shi tai luo bo	Shitai, Anhui	46.91±8.02	S
CRR60	Tai ping bai	Taiping, Anhui	52.22±2.88	S
CRR61	Tai ping bai	Taiping, Anhui	21.64±7.32	MR
CRR62	Wu yue hong	Huainan, Anhui	74.44±1.70	HS
CRR63	Su xian qing	Suxian, Anhui	76.38±4.89	HS
CRR64	Yi xian hong	Huaiyuan, Anhui	59.79±7.69	S
CRR65	Chang feng qing	Changfeng, Anhui	48.09±1.55	S
CRR66	Zhi huang	Shexian, Anhui	52.87±5.86	S
CRR67	Ya dan qing	Chaoxian, Anhui	76.35±3.64	HS
CRR68	Da luo bo	Huoqiu, Anhui	74.07±2.62	HS
CRR69	Sj10Q	Sheng, Shandong	78.70±6.48	HS
CRR70	Bai luo bo	Shanghe, Shandong	76.67±3.57	HS
CRR71	Che tou hong	Xintai, Shandong	75.93±5.48	HS
CRR72	Chuan xin hong	Cangshan, Shandong	61.32±6.59	HS
CRR73	Chun luo bo	Qingzhou, Shandong	89.20±1.88	HS
CRR74	Da hong pao	Danxian, Shandong	17.20±2.76	MR
CRR75	Da hong pao	Xintai, Shandong	75.37±5.52	HS
CRR76	Da hong pao	Jiaxiang, Shandong	59.96±4.12	S
CRR77	Dong ling bai	Liangshan, Shandong	80.25±3.49	HS
CRR78	Fan zhen qing	Taian, Shandong	55.80±0.86	S
CRR79	Hong pi luo bo	Yanzhou, Shandong	83.92±3.07	HS
CRR80	Xin li mei	Sheng, Shandong	38.89±2.70	S
CRR81	Xin li mei	Sheng, Shandong	3.65±1.95	HR
CRR82	Hong xin luo bo	Taishan, Shandong	75.49±1.16	HS
CRR83	Chuan xin hong	Yanzhou, Shandong	79.63±2.62	HS
CRR84	Dao ba luo bo	Jimo, Shandong	87.55±7.22	HS
CRR85	Da hong pao	Jining, Shandong	76.26±2.43	HS
CRR86	Da hong pao	Jiaxiang, Shandong	76.59±5.48	HS
CRR87	Hong pi hong xin	Juxian, Shandong	78.95±3.51	HS
CRR88	Wang cheng	Laixi, Shandong	86.67±6.79	HS
CRR89	Lao shan Qing	Laoshan, Shandong	89.95±1.05	HS
CRR90	Li jin qing	Lijin, Shandong	77.25±5.03	HS
CRR91	Peng lai qing pi	Penglai, Shandong	71.54±3.95	HS
CRR92	Qing yuan cui	Jinan, Shandong	6.30±2.52	R

CRR93	Qing yuan cui	Jinan, Shandong	86.42±6.87	HS
CRR94	Da hong pao	Rushan, Shandong	51.19±6.95	S
CRR95	Si ying luo bo	Pingyi, Shandong	81.67±3.14	HS
CRR96	Si shui wu ying	Sishui, Shandong	70.06±8.04	HS
CRR97	Tian zheng 1hao	Sheng, Shandong	78.02±3.33	HS
CRR98	Wan yao bai	Shenxian, Shandong	45.56±6.19	S
CRR99	Wan yao bai	Shenxian, Shandong	83.87±3.03	HS
CRR100	Wei xian qing	Weicheng, Shandong	57.70±2.82	S
CRR101	Wei xian qing	Weifang, Shandong	53.79±1.25	S
CRR102	Wei xian qing	Weifang, Shandong	55.84±6.75	S
CRR103	Wu ying han	Jiaxiang, Shandong	76.13±9.70	HS
CRR104	Lu ba fen	Wucheng, Shandong	64.63±9.07	HS
CRR105	Xin li mei	Taishan, Shandong	80.74±2.10	HS
CRR106	Lu tou huang	Yangxin, Shandong	90.61±5.07	HS
CRR107	Da jian zui	Yishui, Shandong	65.74±6.07	HS
CRR108	Qing gang	Yishui, Shandong	94.26±2.87	HS
CRR109	Yi shui qing	Yishui, Shandong	73.50±1.08	HS
CRR110	Zhu cheng hong	Zhucheng, Shandong	71.98±0.86	HS
CRR111	Jin ma luo bo	Zichuan, Shandong	87.65±1.75	HS
CRR112	Qing tou	Zouxian, Shandong	25.57±5.05	MR
CRR113	Lu ba fen	Wucheng, Shandong	74.64±6.43	HS
CRR114	Bai yang hua	Jurong, Jiangsu	85.43±1.93	HS
CRR115	Chun bai luo bo	Taizhou, Jiangsu	90.74±6.68	HS
CRR116	Da qing luo bo	Ganyu, Jiangsu	79.37±3.85	HS
CRR117	Da shui luo bo	Ganyu, Jiangsu	48.31±4.95	S
CRR118	Da tou hong	Yangzhou, Jiangsu	71.85±3.23	HS
CRR119	Dang di yan	Huaiyin, Jiangsu	71.08±2.82	HS
CRR120	Dang di yan	Huaiyin, Jiangsu	49.61±5.78	S
CRR121	Fu bai	Jurong, Jiangsu	75.80±5.43	HS
CRR122	La zhu tai	Lianyun, Jiangsu	58.79±0.61	S
CRR123	Liu shi ri	Rudong, Jiangsu	83.33±7.06	HS
CRR124	Si ji hong	Nanjing, Jiangsu	49.85±6.42	S
CRR125	Wu yue hong	Nanjing, Jiangsu	0.31±0.31	HR
CRR126	Xiao hong luo bo	Changzhou, Jiangsu	72.63±2.04	HS
CRR127	Ya dan tou	Yangzhou, Jiangsu	79.01±7.51	HS
CRR128	Zao zi bai	Changzhou, Jiangsu	75.06±6.35	HS
CRR129	Zhe da chang	Nanjing, Jiangsu	17.50±1.23	MR
CRR130	Zhong qiu hong	Nanjing, Jiangsu	72.02±2.58	HS
CRR131	Bai shi	Linhai, Zhejiang	63.81±3.66	HS
CRR132	Zhe da chang	Hangzhou, Zhejiang	80.39±6.50	HS
CRR133	Zhe da chang	ZJU, Zhejiang	12.95±1.27	R
CRR134	Sha bu	Huangyan, Zhejiang	20.83±3.01	MR
CRR135	Tai hu wan	Huzhou, Zhejiang	54.32±1.55	S
CRR136	Deng pao bai	Tongxiang, Zhejiang	62.50±2.50	HS
CRR137	Da ling tou	Linhai, Zhejiang	52.24±1.29	S
CRR138	Jin xiang	Wenzhou, Zhejiang	56.87±4.71	S
CRR139	Xiao gou bai	Hangzhou, Zhejiang	83.88±4.36	HS
CRR140	Shang hang	Shanghang, Fujian	27.16±3.27	MR
CRR141	100Tian	Minhou, Fujian	52.78±3.99	S
CRR142	Yuan tong	Fuqing, Fujian	73.77±4.85	HS

CRR143	Nan qiao	Ganzhou, Jiangxi	12.96±7.65	R
CRR144	Yan zhi	Ji'an, Jiangxi	74.38±3.13	HS
CRR145	Tu zhou luo bo	Nanchang, Jiangxi	59.98±2.42	S
<i>Group 4. Cultivars that were collected from South Central China</i>				
CRR146	Han luo bo	Boai, Henan	84.20±1.86	HS
CRR147	Ban jie qing	Dengfeng, Henan	66.67±6.79	HS
CRR148	Lu tou qing	Dengxian, Henan	70.85±1.42	HS
CRR149	Huai yang guan	Huaiyang, Henan	59.23±7.74	S
CRR150	Pao dan	Linying, Henan	21.63±3.32	MR
CRR151	Zhu gan qing	Lushan, Henan	9.90±3.99	R
CRR152	You guan	Luohe, Henan	11.77±4.25	R
CRR153	Lu tou qing	Miyang, Henan	20.71±0.22	MR
CRR154	Zhu gan qing	Minquan, Henan	65.26±7.92	HS
CRR155	Lu tou qing	Ningling, Henan	13.98±6.46	R
CRR156	Lu tou qing	Ningling, Henan	67.57±6.23	HS
CRR157	Qing pi luo bo	Pingyu, Henan	73.15±7.04	HS
CRR158	Da qing	Qixian, Henan	74.44±1.70	HS
CRR159	Pao dan	Qixian, Henan	91.40±4.32	HS
CRR160	Pao dan	Qixian, Henan	43.36±9.18	S
CRR161	Yuan ying	Boai, Henan	66.67±6.42	HS
CRR162	Da hong pao	Queshan, Henan	80.21±4.22	HS
CRR163	Qing tou	Shangcheng, Henan	62.02±7.42	HS
CRR164	Shui luo bo	Shangcheng, Henan	53.70±4.04	S
CRR165	Yuan tou	Shangcai, Henan	56.44±2.94	S
CRR166	Zhu gan qing	Sheqi, Henan	68.89±2.57	HS
CRR167	Shi jin bai	Tangyin, Henan	69.65±0.43	HS
CRR168	Ban jie hong	Tanghe, Henan	67.41±8.25	HS
CRR169	Zhu gan qing	Tanghe, Henan	87.59±6.41	HS
CRR170	Zhe da chang	Zhengzhou, Henan	88.42±7.89	HS
CRR171	Wu gang guan	Wugang, Henan	70.37±3.04	HS
CRR172	Xi hua da qing	Xihua, Henan	68.33±6.19	HS
CRR173	Qing ba fen	Xihua, Henan	52.94±7.64	S
CRR174	Lu tou qing	Shiping, Henan	72.49±5.82	HS
CRR175	Lu tou qing	Shiping, Henan	44.93±2.00	S
CRR176	Lu tou qing	Xixia, Henan	74.07±4.32	HS
CRR177	Niu tui	Xiangxian, Henan	81.48±3.70	HS
CRR178	Ban jie gang	Xinzheng, Henan	77.16±2.16	HS
CRR179	Lu tou qing	Xinzheng, Henan	60.99±1.18	HS
CRR180	Ban jie qing	Xiuyu, Henan	32.31±7.27	S
CRR181	Da hong pao	Yongcheng, Henan	84.26±4.58	HS
CRR182	Zhu gan qing	Yuxian, Henan	56.05±4.43	S
CRR183	Lu tou qing	Yuanyang, Henan	90.17±2.56	HS
CRR184	Jin hua tai	Zhengzhou, Henan	81.36±4.59	HS
CRR185	Bai luo bo	Shennong, Hubei	51.23±4.34	S
CRR186	Bai luo bo	Yichang, Hubei	11.11±1.11	R
CRR187	Bai luo bo	Dongshi, Hubei	74.71±5.09	HS
CRR188	Bai luo bo	Dongshi, Hubei	69.96±5.54	HS
CRR189	Bai luo bo	Xuandong, Hubei	35.77±2.33	S
CRR190	Bai luo bo	Changyang, Hubei	21.98±3.05	MR
CRR191	Bai luo bo	Changyang, Hubei	39.07±4.57	S

CRR192	Bai luo bo	Changyang, Hubei	60.97±6.34	HS
CRR193	Bai luo bo	Wufeng, Hubei	65.32±4.48	HS
CRR194	Cai luo bo	Fangxian, Hubei	63.33±3.96	HS
CRR195	Hong luo bo	Dongshi, Hubei	72.59±3.23	HS
CRR196	Hong luo bo	Dongshi, Hubei	28.61±4.43	MR
CRR197	Hong luo bo	Lichuan, Hubei	76.33±4.07	HS
CRR198	Hong pi luo bo	Xiantao, Hubei	59.57±1.51	S
CRR199	Hua tai	Dongshi, Hubei	62.22±2.00	HS
CRR200	Huang jin	Xianfeng, Hubei	5.56±5.56	R
CRR201	Huang zhou	Wuhan, Hubei	80.56±4.33	HS
CRR202	Lu tou qing	Baokang, Hubei	16.30±3.63	MR
CRR203	Pao dan	Fangxian, Hubei	5.98±2.16	R
CRR204	Qing tou	Wuchang, Hubei	92.28±2.36	HS
CRR205	Re luo bo	Fangxian, Hubei	61.80±4.48	HS
CRR206	Shui luo bo	Changyang, Hubei	21.07±7.70	MR
CRR207	Wan luo bo	Wufeng, Hubei	42.91±6.42	S
CRR208	Xi ma zhuang	Fangxian, Hubei	70.79±5.47	HS
CRR209	Xia lu	Sheng, Hubei	67.70±7.48	HS
CRR210	Xiao hong	Zhushan, Hubei	87.30±6.61	HS
CRR211	Xing shan hong	Xingshan, Hubei	56.79±7.51	S
CRR212	Yuan luo bo	Zigui, Hubei	78.40±2.69	HS
CRR213	Yuan zhui	Changyang, Hubei	78.08±3.51	HS
CRR214	Yuan zhui	Fangxian, Hubei	37.72±3.84	S
CRR215	Yuan zhui	Zhuxi, Hubei	39.20±2.69	S
CRR216	Chang tiao	Zhuxi, Hubei	74.19±1.59	HS
CRR217	Chang tiao	Shennong, Hubei	0.00±0.00	I
CRR218	Xin tian da bai	Xintian, Hunan	74.07±5.66	HS
CRR219	Sha guan zi	Shaoyang, Hunan	65.43±7.51	HS
CRR220	Yuan luo bo	Changsha, Hunan	58.15±3.16	S
CRR221	Yuan luo bo	Ningyuan, Hunan	0.00±0.00	I
CRR222	Hong pi luo bo	Xiangxi, Hunan	71.36±4.39	HS
CRR223	Jin xian diao hu lu	Linxiang, Hunan	72.05±3.25	HS
CRR224	Sheng tong	Changsha, Hunan	31.97±3.57	S
CRR225	Nan pan zhou	Chenghai, Guangdong	82.72±4.90	HS
CRR226	Bai yu wan	Chenghai, Guangdong	89.21±2.23	HS
CRR227	Bai sha dong ye	Chenghai, Guangdong	56.69±4.38	S
CRR228	Niu tui	Yulin, Guangxi	21.93±2.52	MR
CRR229	Nan pan zhou	Beiliu, Guangxi	77.40±4.17	HS
<i>Group 5. Cultivars that were collected from Southwest China</i>				
CRR230	Bai da	Youyang, Sichuan	11.88±7.96	R
CRR231	Bai luo bo	--, Sichuan	43.66±4.47	S
CRR232	Bai luo bo	--, Sichuan	80.01±4.14	HS
CRR233	Ban tou hong	Ya'an, Sichuan	21.85±1.93	MR
CRR234	Chi luo bo	Liangping, Sichuan	80.11±7.24	HS
CRR235	Chu yang	--, Sichuan	65.33±3.97	HS
CRR236	Chu yang	--, Sichuan	14.10±5.73	R
CRR237	Da yuan	Xingwen, Sichuan	87.09±5.50	HS
CRR238	Dong luo bo	Wushan, Sichuan	64.14±1.62	HS
CRR239	Fen tuan	Hanyuan, Sichuan	75.95±5.21	HS
CRR240	Hong xian	Hongxian, Sichuan	0.00±0.00	I

CRR241	Guan zi	--, Sichuan	22.22±2.49	MR
CRR242	Hong luo bo	Wuxi, Sichuan	54.14±3.14	S
CRR243	Jin tiao zi	Luzhou, Sichuan	68.21±4.79	HS
CRR244	Hong pi luo bo	Fengdong, Sichuan	57.41±4.14	S
CRR245	Hong pi luo bo	Pengshan, Sichuan	73.95±6.09	HS
CRR246	Hong pi luo bo	Dazu, Sichuan	61.73±1.97	HS
CRR247	Hong pi yuan	Quxian, Sichuan	43.90±5.47	S
CRR248	Hong sha guo	Jiangjin, Sichuan	35.34±4.30	S
CRR249	Man shen hong	Chengdong, Sichuan	97.04±2.96	HS
CRR250	Mei zi luo bo	Fengjie, Sichuan	65.26±1.84	HS
CRR251	Pi pa ying	Mianyang, Sichuan	51.32±1.09	S
CRR252	Qing luo bo	Fengjie, Sichuan	15.28±1.79	MR
CRR253	Qing pi gua	Quxian, Sichuan	32.01±4.28	S
CRR254	Tie gan zi	Pixian, Sichuan	65.14±4.17	HS
CRR255	Tuan luo bo	Fengdong, Sichuan	20.50±2.58	MR
CRR256	Yuan tou	Fengdong, Sichuan	5.29±5.29	R
CRR257	Yuan luo bo	Fengdong, Sichuan	84.02±2.46	HS
CRR258	Yuan luo bo	Fengdong, Sichuan	82.72±3.27	HS
CRR259	Pi pa ye	Pengxian, Sichuan	88.27±0.62	HS
CRR260	Ban tou hong	Yaan, Sichuan	69.04±8.15	HS
CRR261	Qing chang	Nanchong, Sichuan	5.76±5.76	R
CRR262	Yuan bai	Xichong, Sichuan	45.93±5.34	S
CRR263	Yuan bai	Neijiang, Sichuan	66.57±3.06	HS
CRR264	Qing tou	Ya'an, Sichuan	14.48±3.52	R
CRR265	Qing tou	Ya'an, Sichuan	79.42±1.65	HS
CRR266	Da yuan	Xingwen, Sichuan	73.71±0.92	HS
CRR267	Hong pi	Pengshan, Sichuan	5.70±3.21	R
CRR268	Ban tou hong	Pixian, Sichuan	86.15±1.62	HS
CRR269	Bai da luo bo	Beichuan, Sichuan	43.59±2.22	S
CRR270	Hong sha guo	Jiangjin, Sichuan	83.92±6.18	HS
CRR271	Luo bo	Xuanhan, Sichuan	22.90±7.63	MR
CRR272	Piao dong	Jiangan, Sichuan	29.47±4.61	MR
CRR273	Shuang dian	Fengjie, Sichuan	40.62±2.68	S
CRR274	Yuan luo bo	Wushan, Sichuan	0.00±0.00	I
CRR275	Ma zhuang	Yuexi, Sichuan	71.08±6.88	HS
CRR276	Tong guan	Huili, Sichuan	78.57±3.22	HS
CRR277	Chi yuan gen	Wenjiang, Sichuan	62.13±7.89	HS
CRR278	Ban shen hong	Mianning, Sichuan	39.11±1.01	S
CRR279	Shui jin luo bo	Ziyang, Sichuan	81.48±0.74	HS
CRR280	60zao luo bo	Leshan, Sichuan	72.96±4.81	HS
CRR281	Yan zhi hong	Fuling, Sichuan	0.00±0.00	I
CRR282	Ban jie hong	Kunming, Yunnan	12.87±6.87	R
CRR283	Chun zi luo bo	Gejiu, Yunnan	56.54±3.46	S
CRR284	Chun zi luo bo	Gejiu, Yunnan	89.14±5.50	HS
CRR285	Dong luo bo	Xuanwei, Yunnan	82.41±1.19	HS
CRR286	Shui luo bo	Midong, Yunnan	73.09±4.69	HS
CRR287	Si ji bai	Kunming, Yunnan	61.11±3.21	HS
CRR288	Suan pan zi	Kaiyuan, Yunnan	78.70±0.93	HS
CRR289	Xiang ya	Huize, Yunnan	36.67±5.41	S
CRR290	Xiang ya	Huize, Yunnan	19.57±2.52	MR

CRR291	Yan zhi	Anshun, Guizhou	73.52±3.40	HS
CRR292	Yan zhi	Si'nan, Guizhou	73.03±1.04	HS
CRR293	Dan zhai ma zhuang	--, Guizhou	67.71±6.05	HS
CRR294	Hong pi ma zhuang-1	Jinsha, Guizhou	75.54±7.62	HS
CRR295	Hong pi ma zhuang-4	Jinsha, Guizhou	31.81±7.39	S
CRR296	Sha guan	Zun'yi, Guizhou	86.67±7.14	HS
CRR297	La sa da luo bo	Lasa, Tibet	0.00±0.00	I
CRR298	Cui xue	Geleshan, Chongqing	84.36±7.85	HS

*Group 6. Cultivars that were collected from Northwest China*

CRR299	Bao ji hong	Baoji, Shanxi	66.05±5.27	HS
CRR300	Chun bu lao	Hanzhong, Shaanxi	6.58±3.51	R
CRR301	Hong pi dong	Ningqiang, Shaanxi	69.84±4.76	HS
CRR302	Hong re	Lanzhou, Shaanxi	77.78±0.00	HS
CRR303	Lan tian cheng chui	Lantian, Shaanxi	68.43±5.35	HS
CRR304	Qian yang hong pi	Qianyang, Shaanxi	64.35±6.20	HS
CRR305	Qing feng-1	NWAFU <sup>b</sup> , Shaanxi	42.18±4.79	S
CRR306	Qing feng-2	NWAFU <sup>b</sup> , Shaanxi	72.99±5.23	HS
CRR307	Lu tou qing	Shangxian, Shaanxi	40.18±2.42	S
CRR308	Lu tou qing	Shangxian, Shaanxi	67.63±4.06	HS
CRR309	Xi xiang shan	Xixiang, Shaanxi	74.07±3.06	HS
CRR310	Xi xiang shan	Xixiang, Shaanxi	12.92±0.95	R
CRR311	Xi ma zhuang	Ankang, Shaanxi	30.69±2.64	S
CRR312	Bai dan zi	Wulu, Xinjiang	88.89±3.70	HS
CRR313	Da bai dan zi	Kashi, Xinjiang	71.24±3.90	HS
CRR314	Hong dan zi	Kashi, Xinjiang	3.70±3.70	HR
CRR315	Hong dan zi	Wuxian, Xinjiang	77.23±2.76	HS
CRR316	Shui luo bo	Yumin, Xinjiang	56.30±2.41	S
CRR317	Xin li mei	Shihezi, Xinjiang	68.90±5.44	HS
CRR318	Xin sheng 1hao	Shihezi, Xinjiang	70.88±1.49	HS
CRR319	Gou tou guan	Pingliang, Gansu	79.90±3.69	HS
CRR320	Bai yuan dan	Minqin, Gansu	78.92±2.72	HS
CRR321	Zheng ning re	Zhengning, Gansu	53.12±6.27	S
CRR322	Jin ta dong	Jinta, Gansu	86.79±1.52	HS
CRR323	Niu jiao hua ye	Guyuan, Ningxia	40.12±5.76	S
CRR324	Hong bang zi	Yinchuan, Ningxia	54.84±4.87	S
CRR325	Ban ye bai	Zhongning, Ningxia	67.92±3.68	HS
CRR326	Hua ye bai	Zhongning, Ningxia	63.58±5.51	HS
CRR327	Hong dan dan	Zhongwei, Ningxia	32.69±4.58	S
CRR328	Ge dong mu	Gedong, Qinghai	72.38±2.01	HS

*Group 7. Cultivars that were collected from other countries*

CRR329	Qiu jie	Japan	76.85±6.07	HS
CRR330	Shan tian da gen	Japan	0.00±0.00	I
CRR331	Ying dao da wan	Japan	0.00±0.00	I
CRR332	Yi zhe heng ding	Japan	9.60±2.49	R
CRR333	Zyz-89	Spain	3.70±1.85	HR
CRR334	Bgv001198	Spain	1.85±1.85	HR
CRR335	Bgv001199	Spain	10.00±4.21	R
CRR336	Hukyopkuwolmun	North Korea	15.28±1.24	MR
CRR337	Hukyopkuwolmun	North Korea	64.13±1.55	HS
CRR338	Chongpimun	North Korea	6.42±3.24	R

CRR339	Chongpimun	North Korea	53.07±2.16	S
CRR340	Xia bai yu	South Korea	0.00±0.00	I
CRR341	Bai guang chun	South Korea	0.00±0.00	I
CRR342	Han guo luo bo	South Korea	0.00±0.00	I
CRR343	Xin bai yu	South Korea	66.46±1.04	HS
CRR344	4r -x11	Russia	55.80±1.48	S
CRR345	Тожев	Russia	63.36±5.83	HS
CRR346	Валланте	Russia	0.00±0.00	I
CRR347	Саша	Russia	18.33±5.34	MR
CRR348	5R	Russia	0.00±0.00	I
CRR349	Oil radish	Germany	0.00±0.00	I

*Cultivar 791 used as susceptible controls*

S <sub>CK</sub>	791	Zhengzhou, Henan	90.53±3.66	HS
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<sup>a</sup>Means the average DI of three replicates, ± followed by standard error

<sup>a</sup>Means Northwest A&F University