

Table 1. Parental germplasm for the food barley doubled haploid genomic selection project.

Name	Pedigree	Attribute	Row type	Hull	Starch	Grain color	Origin
1 BCD47	Orca/Harrington	Yield, BSR and scald resistance	2	Hulled	Non-Waxy	White	OSU
2 Bison 1,4,5	Baronesse/BCD12//Baronesse/BCD47	BSR resistance	2	Hulled	Non-Waxy	White	OSU
3 Tetonia	88ab2323/baronesse	Adapted to Idaho	2	Hulled	Non Waxy	White	ARS-Idaho
4 Transit	10/Azhul//HB340	High beta glucan	2	Hull-less	Waxy	White	ARS-Idaho
5 Charles	MT81616/81AB1697	Adapted to Idaho	2	Hulled	Non-Waxy	White	ARS-Idaho
6 2Ab11-W06Bg60-18	02AB170/02HR4590	High beta glucan	2	Hull-less	Waxy	White	ARS-Idaho
7 2Ab09-X05W048-378HL	02AB170/CDC ALAMO	High beta glucan	2	Hull-less	Waxy	White	ARS-Idaho
8 DZ100289	Complex cross	loose smut resistance	2	Hull-less	Non-Waxy	White	Muller -Germany
9 DZ100341	Complex cross	loose smut resistance	2	Hull-less	Non-Waxy	White	Muller -Germany
10 09OR-55	Strider/Merlin//Strider	High beta glucan	6	Hulled	Waxy	White	OSU
11 09OR-56	Strider/Merlin//Strider	High beta glucan	6	Hulled	Waxy	White	OSU
12 OBADV10-13	Strider/Doyce	High beta glucan	6	Hull-less	normal	White	OSU
13 09OR-59	Strider/Merlin//Strider	High beta glucan	6	Hull-less	Waxy	White	OSU
14 Color-SSD-017	Chame 14//Luca/Merlin//Luca	Color*	2	Hull-less	**	Color	OSU - HI
15 Color-SSD-034	Tibet violet 1//Luca/Merlin//Luca	Color	2	Hull-less	**	Color	OSU - HI.
16 Color-SSD-043	Tibet Violet 1//Luca/W//Luca	Color	2	Hull-less	**	Color	OSU - HI
17 Color-SSD-092	Tibet Black 8// Luca/Merlin//Luca	Color	2	Hull-less	**	Color	OSU - HI
18 Color-SSD-138	Tibet Black 8// Luca/Merlin//Luca	Color	2	Hull-less	**	Color	OSU - HI
19 Color-SSD-148	OWB-D/Calisib//Luca/Merlin//Luca	Color	2	Hull-less	**	Color	OSU
20 Color-SSD-151	OWB-D/Calisib//Luca/Merlin//Luca	Color	2	Hull-less	**	Color	OSU
21 DH 10.0655	KW2-849 x (Luca/Waxbar/Luca)	Color/High beta glucan	2	Hull-less	**	White	OSU
22 DH 10.0969	KW2-849 x (Luca/Waxbar/Luca)	Color/High beta glucan	2	Hull-less	**	White	OSU
23 DH 10.1126	Fridericus//Maja/Legacy//Maja/3/Doyce	Color/High beta glucan	2	Hull-less	**	Color	OSU
24 Alba	Strider/Orca	Yield, BSR and scald resistance	6	Hulled	Non-Waxy	White	OSU
25 PO71DH-87	P713/OR71	Cold tolerance	6	Hulled	Non-Waxy	White	OSU/UMN
26 OR101	StabBC 42-3-9/3/Kab51/Legacy//Kab51	Cold tolerance	6	Hulled	Non-Waxy	White	OSU/UMN
27 NO71DH-86	NB3437F/OR71	Cold tolerance	6	Hulled	Non-Waxy	White	OSU/UMN
28 12OR019	NB3437F/OR76	Cold tolerance	6	Hulled	Non-Waxy	White	OSU/UMN
29 Tamalpais	Ataco/Achira//Higo//UC960	High beta glucan	6	Hull-less	Non-Waxy	White	UC Davis
30 Karma	Landrace	Flavor	6	Hull-less	Waxy	Color	Tibet via NSGC

Abbreviations: BSR: Barley Stripe Rust; OSU: Oregon State University; UMN: University of Minnesota; HI: Himalayan Introgression; NSGC: National Small Grains Collection.

*Color is being quantified – ranges from brown to purple

**Starch type is being characterized