

Supplemental Table ST2. Germplasm Information. The nineteen germplasm used in this experiment are listed in this table, along with their identifier (used in figures and the manuscript), common name, genus, species, cultivar (where applicable), accession number (where applicable) and source.

Identifier	Common Name	Genus	Species	Cultivar	Accession/Catalog #	Source
TaG	Wheat	<i>Triticum</i>	<i>aestivum</i>	spring	GH15-01	USDA-ARS, GGD
TaB	Wheat	<i>Triticum</i>	<i>aestivum</i>	Hard red spring	GWH-7570	Commercial
Tm	Wheat, white einkorn	<i>Triticum</i>	<i>monococcum</i>	none	GHW-7531	Commercial
Tt	Wheat, durum	<i>Triticum</i>	<i>turgidum</i>	spp turanicum	GWH-7550	Commercial
Sc	Rye	<i>Secale</i>	<i>cereale</i>	Merced	PI535153	NSGC
Hv	Barley, hulless	<i>Hordeum</i>	<i>vulgare</i>	Ethiopian	GBA-7230	Commercial
As	Oat, hulless	<i>Avena</i>	<i>sativa</i>	Monico	PI652941	NSGC
Fa	Tall fescue	<i>Festuca</i>	<i>arundinacea</i>	Mojave	PI601242	GRIN
Bd	Brachypodium	<i>Brachypodium</i>	<i>distachyon</i>	none	PI321403	GRIN
SbA	Sorghum	<i>Sorghum</i>	<i>bicolor</i>	Atx642	PI656029	GRIN
SbH	Sorghum	<i>Sorghum</i>	<i>bicolor</i>	BTx623	PI564263	Commercial
Sl	Sorghum	<i>Sorghum</i>	<i>laxiflorum</i>	none	PI562254	US NPGS
Sn	Indian grass	<i>Sorghastrum</i>	<i>nutans</i>	none	PI434347	US NPGS
Ms	Miscanthus	<i>Miscanthus</i>	<i>sinensis</i>	none	NA	Commercial
Bb	Purple plume grass	<i>Bothriochloa</i>	<i>bladhii</i>	none	PI 300848	US NPGS
Zm	Maize	<i>Zea</i>	<i>mays</i>	M017	NA	USDA-ARS, PGEC
Pa	Millet, pearl	<i>Pennisetum</i>	<i>americanum</i>	none	GMI-7295	Commercial
Et	Tef	<i>Eragrostis</i>	<i>tef</i>	Ruby silk love grass	NA	Commercial
Out	Tomato	<i>Solanum</i>	<i>lycopersicum</i>	Super sweet cherry tomato	NA	Commercial