**Supplementary Data Table 1:** Seed suppliers of the 51 BFT strains used in the anti-parasitic screening tests.

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| **BFT**  **Strain** | **Seed provided by:** |
|
| Bull | Welter Seed & Honey Co. (Onslow, Iowa, USA) |
| Norcen | Welter Seed & Honey Co. (Onslow, Iowa, USA) |
| Bruce | Welter Seed & Honey Co. (Onslow, Iowa, USA) |
| Empire | Ernst Conservation Seeds (Meadville, PA, USA) |
| Leo | Ernst Conservation Seeds (Meadville, PA, USA) |
| Pardee | Seedway (Vermont Warehouse, Shoreham, VT, USA) |
| B1230 | Cornell University (Ithaca, NY, USA) |
| B0730 | Cornell University (Ithaca, NY, USA) |
| S3149 | Margot Forde Germplasm Centre (New Zealand) |
| 3428 | University of Minnesota (Minneapolis, MN, USA) |
| 162456 – 6556261 | USDA National Plant Germplasm Repository (NPGS, Pullman, WA, USA) |

1 Includes the 41 BFT accessions with 6-digit number