

IWYP Assets for Wheat Breeding

IWYP Funders have enabled selected international scientific teams to make large numbers of discoveries of novel genetic variation that could be important for increasing the grain yields of wheat. Many are already published in nearly 100 scientific papers (<https://iwyp.org/publications/>). IWYP collates, advertises, and promotes the scientific accomplishments and physical assets delivered by the researchers, along with those that have been validated and delivered by the IWYP Hubs, to maximize uptake by public and private breeding programs around the world. The number and kinds of outputs that have been delivered by the IWYP Science Program exceeds the expectations of 5 years ago when IWYP was initiated. The types of assets that are delivered can be categorized into:

- 📄 Germplasm with defined novel traits (currently 226 lines, 5 traits)
- 📄 Trait-linked molecular genetic markers for marker assisted selection (currently 56)
- 📄 Protocols, methods, and technologies for breeding with the traits (currently 16)

IWYP creates and maintains a catalogue of these IWYP output assets, available to anyone, that includes descriptive information and links to data, as well as signposting where they can be obtained. IWYP gathers information to manage the asset catalogue from:

- 📄 Detailed reviews of Project Annual Technical Reports submitted by the Projects
- 📄 The IWYP Program Conference presentations and discussions
- 📄 Regular exchanges with IWYP Research Project Leaders and Hub managers
- 📄 Tracking IWYP related publications and presentations at scientific conferences

View and Request from the Lists of Assets

Lists are available from the main page of the IWYP website (www.iwyp.org) and are updated biannually as new discoveries and germplasm become available. While these assets are available to anyone, IWYP Members have a 6-month lead time to access and request these outputs after which date the output lists on the website are updated with those newly available.



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