**Wheat Gene Catalogue – Introduction**

This Catalogue is a WORD extension of the MACGENE (National Institute of Genetics Japan ([*http://shigen.nig.ac.jp/wheat/komugi/genes/symbolClassList.jsp*](http://shigen.nig.ac.jp/wheat/komugi/genes/symbolClassList.jsp)) that was not continued after 2017. It is updated with all curated material up to 1 September 2024.

The Catalogue consists of the following sections:

 Introduction

Trait list

Section 1: Morphological and Physiological Traits – 107 pages

Section 2: Proteins – 78 pages

Section 3: Pathogenic Disease/Pest Reaction – 156 pages

Section 4: References – 241 pages

The material in the Catalogue has been collated since 1968 and major contributions were made by numerous people including Mike Gale, Gary Hart, Katrien Devos, Olin Anderson, John Rogers, Jorge Dubcovsky, Xianchun Xia, Yukiko Yamazaki, and John Raupp and many others who have discussed individual trait material. This is gratefully acknowledged and appreciated.

The Catalogue is not free from errors in curation and the various cycles of editing over years – please advise problems or suggestions for updating.

The documents presented are working files – items highlighted are for checking or currently cannot be traced.

Some items listed as ‘alleles’ would currently fit the description ‘haplotype’ as defined in Boden et al. (2023) ‘Updated guidelines for gene nomenclature in wheat’. Theoretical and Applied Genetics 136:72.[*https://doi.org/10.1007/s00122-023-04253-w*](https://doi.org/10.1007/s00122-023-04253-w).

References in the gene text can be traced by enclosing reference numbers below four digits in unique reference brackets, e.g. {1} to {999}; for reference numbers 1000 and above the number without brackets can be used, e.g. 1001 or 11700.

Until 2017 this Catalogue was prepared and maintained on behalf of the International Wheat Genetics Symposium.

R.A. McIntosh

1 September, 2024