|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **DGRPool** | **DGRP2** |
| **REFERENCE** | | | This study | (Mackay et al., 2012)  (Huang, Massouras, et al., 2014) |
| **DATA** | *DGRP lines* | | 341 | 205 |
| *DGRP studies* | | 125 (41 fully curated) | 12 |
| *Phenotypes* | | 935 | 31 |
| *Gene Expression data* | | External links |  |
| **TOOLS** | **GWAS** | *Calculated on all phenotypes* |  |  |
| *User upload* |  |  |
| *Method* | Plink2 | FastLMM |
| *Covariates* | *Wolbachia* + 5 Insertions | *Wolbachia* + 5 Insertions |
| *Boxplot of REF vs ALT* |  |  |
| ***PheWAS*** *of top variants* |  |  |
| ***Phenotype correlation*** | *Calculated on all phenotypes* |  |  |
| *User upload* |  |  |
| WEB | *URL* | | https://dgrpool.epfl.ch/ | http://dgrp2.gnets.ncsu.edu/ |
| *Backend* | | Ruby-on-rails + PostgreSQL | NA |
| *Frontend* | | Javascript, Plotly | NA |
| **FEAT.** | Curation system & tools | |  |  |
| Publish new studies | |  |  |
| Interactive plots | |  |  |

**Table 1**. **Overview of state-of-the-art web portals organizing DGRP phenotyping data.** This table compares different features available in DGRPool, with DGRP2, the current main resource for DGRP data. It separates the features into 1) **Data**, which summarizes the available phenotyping data, 2) **Tools**, which list the available tools and options, mainly GWAS, PheWAS and phenotype correlation, 3) **Web**, which describe the website itself, and 4) **Additional features**, that are available in DGRPool, such as the curation system, the possibility to publish new studies and the interactive plots.

**REFERENCES**