|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **DGRPool** | **Dgrp2** |
| **REFERENCE** | | This study | (1) |
| **DATABASE** |  |  |  |
| *DGRP lines* | 341 |  |
| *DGRP studies* | 41 (+81 under curation) | 12 |
| *Phenotypes* | 938 | 31 |
| *Gene Expression data* |  |  |
|  |  |  |
| **Tools** | *GWAS – across studies* |  |  |
| *GWAS – user upload* |  |  |
| *GWAS tool* | Plink2 | FastLMM |
| *Phenotype correlation – across studies* |  |  |
| *Phenotype correlation – user upload* |  |  |
| **WEB SERVER** | *Hosted server or local install* | https://dgrpool.epfl.ch/ | http://dgrp2.gnets.ncsu.edu/ |
| *Prog. language* | Ruby-on-rails |  |
|  |  |  |
| **PORTAL FEATURES** | Curation system |  |  |
| Publish new studies |  |  |
| Interactive plots |  |  |
|  |  |  |
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**Table 1. Overview of state-of-the-art web portals organizing DGRP phenotyping data.** There are mainly two available tools. **HCA**: Human Cell Atlas**. Benchmarking tools:** The ability to monitor all the tools on the platform for computing time and/or RAM usage. **Cell-type annotation:** The ability to interactively annotate clusters/cell types.

\*A remote website was also available but seemed to mostly serve as an example, since no job queuing system was implemented, the website became inaccessible every time a step was launched

\*\*SingleCellExplorer “Click here to Launch” remote server was not functioning at the time of this paper

**REFERENCES**