

			DGRPpool	DGRP2
REFERENCE			This study	(Mackay et al., 2012) (Huang, Massouras, et al., 2014)
DATA	DGRP lines		342	205
	DGRP studies		135 (43 fully curated)	12
	Phenotypes		1034 (840 unique)	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		<a href="https://dgrpools.epfl.ch/">https://dgrpools.epfl.ch/</a>	<a href="http://dgrp2.gnets.ncsu.edu/">http://dgrp2.gnets.ncsu.edu/</a>
	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 DGRPpool, 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 DGRPpool, such as the curation system, the possibility to publish new studies and the interactive plots. Of note, the “unique phenotypes” term describes the number of phenotypes regardless of the sex, while the total number counts the same phenotype separately for different sexes.