

Supplementary Figure 1: PHI-base 5 advanced search feature, Examples E to G.

Examples are: (E) searching for genes in an interaction annotated with a specific PHIPO phenotype, with a specified experimental variable (high temperature); (F) searching for genes that are associated with less virulent forms of pneumonia (where the gene is either wild-type or mutated); (G) searching for genes in wild-type interaction phenotypes that are used as control cases for mutant interaction phenotypes; (H) searching for genes in all publications published in a single year. Vertical dots indicate that search results have been omitted for brevity.

E. Searching by experimental condition

Search Criteria		→	Results	
Ontology term	decreased rate of hyphae formation		Gene	Species
Experimental condition	high temperature	sdhB	Corynespora cassiicola	
		SdhD	Corynespora cassiicola	
			⋮	

F. Searching by disease

Search Criteria		→	Results	
Disease	pneumonia		Gene	Species
High level term	Reduced virulence	omp38	Acinetobacter baumannii	
		rcsB	Klebsiella pneumoniae	
			⋮	

G. Searching by phenotype with wild-type controls

Search Criteria		→	Results	
Annotation type	Pathogen-host interaction phenotype		Gene	Species
Annotation Extension type	compared_to_control	See1	Botrytis cinerea	
		Erg27	Botrytis cinerea	
			⋮	

H. Searching by publication date

Search Criteria			→	Results	
Publication year	Single	2010		Gene	Species
			AVR-Pita1	Magnaporthe oryzae	
			popW	Ralstonia solanacearum	
				⋮	