

Figure S1: Workflow showing a schematic of the genome update pipeline used in TDR6

Figure S2: Molecular weight and Polar surface distribution for compounds in the database

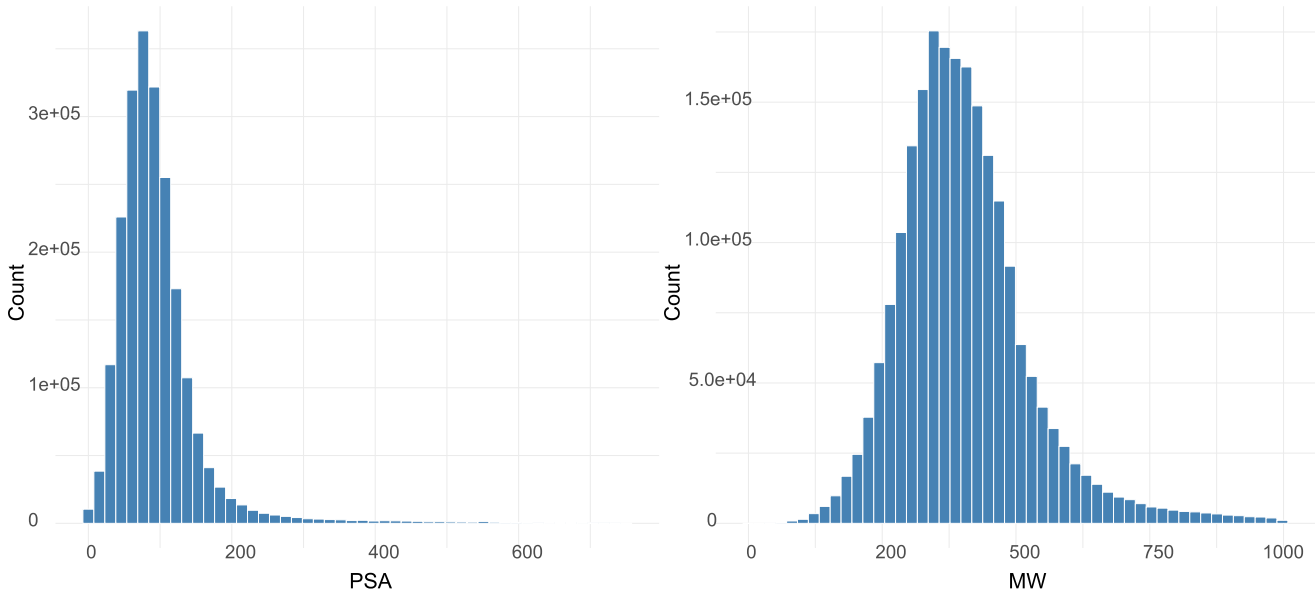
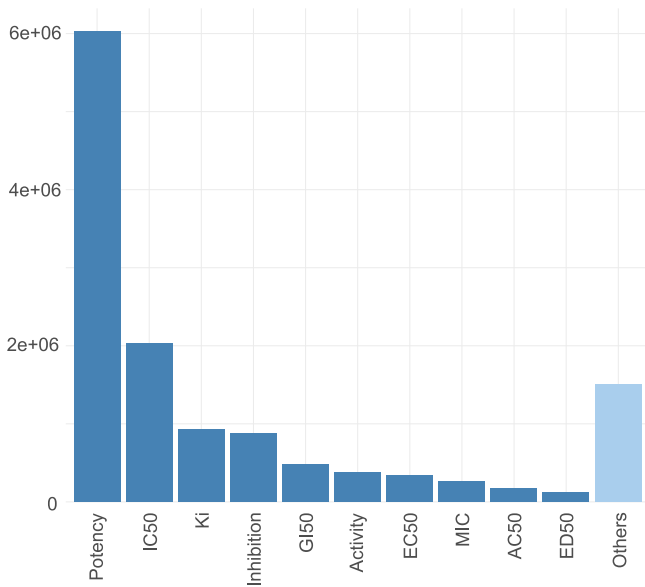
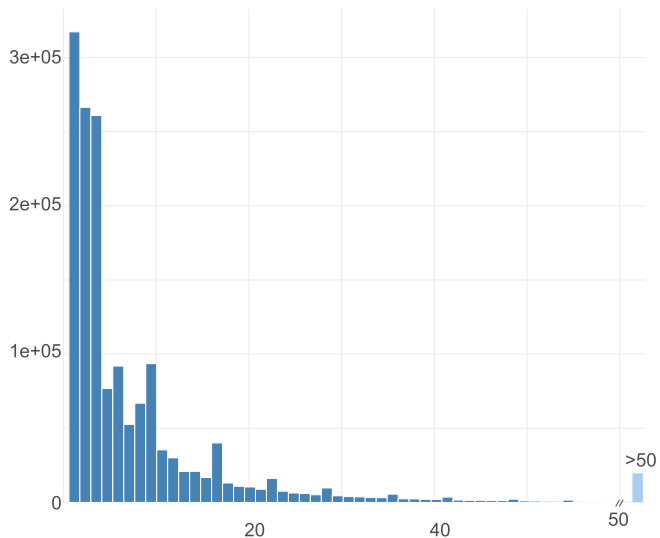


Figure S3: Number of activities by assay type and number of activities per compound in the database



Number of activities per Activity type



Number of activities per compound

Table S1: List of species, strains and sources used to populate the database and the chemogenomic repurposing network

Type	Parent Group	Species	Strain	Source
Model	Plant	<i>Arabidopsis thaliana</i>		GenBank
Model	Helminth	<i>Caenorhabditis elegans</i>		GenBank
Model	Fungi	<i>Candida albicans</i>		GenBank
Model	Early Branching Eukaryote	<i>Dictyostelium discoideum</i>		GenBank
Model	Arthropoda	<i>Drosophila melanogaster</i>		GenBank
Model	Bacteria	<i>Escherichia coli</i>	K12	GenBank
Model	Mammal	<i>Homo sapiens</i>		GenBank
Model	Mammal	<i>Mus musculus</i>		GenBank
Model	Plant	<i>Oryza sativa</i>		GenBank
Model	Fungi	<i>Saccharomyces cerevisiae</i>	S288C	GenBank
Model	Helminth	<i>Schmidtea mediterranea</i>	S2F2	SmedGD
Pathogen	Apicomplexa	<i>Babesia bovis</i>	T2Bo	PiroplasmaDB
Pathogen	Apicomplexa	<i>Cryptosporidium hominis</i>	TU502	CryptoDB
Pathogen	Apicomplexa	<i>Cryptosporidium parvum</i>	Iowa II	CryptoDB
Pathogen	Early Branching Eukaryote	<i>Entamoeba histolytica</i>	HM-1:IMSS	AmoebaDB
Pathogen	Helminth	<i>Giardia lamblia</i>	isolate WB	GiardiaDB
Pathogen	Trypanosomatid	<i>Leishmania braziliensis</i>	MHOM/BR/75/M2903	TriTrypDB
Pathogen	Trypanosomatid	<i>Leishmania donovani</i>	BPK28	TriTrypDB
Pathogen	Trypanosomatid	<i>Leishmania infantum</i>	JPCM5	TriTrypDB
Pathogen	Trypanosomatid	<i>Leishmania major</i>	Friedlin	TriTrypDB
Pathogen	Trypanosomatid	<i>Leishmania mexicana</i>	MHOM/GT/2001/U1103	TriTrypDB
Pathogen	Bacteria	<i>Mycobacterium leprae</i>	TN	GenoList
Pathogen	Bacteria	<i>Mycobacterium tuberculosis</i>	H37Rv	GenoList
Pathogen	Apicomplexa	<i>Plasmodium berghei</i>	ANKA	PlasmoDB
Pathogen	Apicomplexa	<i>Plasmodium falciparum</i>	3D7	PlasmoDB
Pathogen	Apicomplexa	<i>Plasmodium knowlesi</i>	H	PlasmoDB
Pathogen	Apicomplexa	<i>Plasmodium vivax</i>	Sal-1	PlasmoDB
Pathogen	Apicomplexa	<i>Plasmodium yoelii</i>	17XNL	PlasmoDB
Pathogen	Apicomplexa	<i>Theileria parva</i>	Muguga	PiroplasmaDB
Pathogen	Apicomplexa	<i>Toxoplasma gondii</i>	ME49	ToxoDB
Pathogen	Early Branching Eukaryote	<i>Trichomonas vaginalis</i>	G3	TrichDB
Pathogen	Trypanosomatid	<i>Trypanosoma brucei</i>	TREU927	TriTrypDB
Pathogen	Trypanosomatid	<i>Trypanosoma cruzi</i>	CL Brener	TriTrypDB
Pathogen	Apicomplexa	<i>Neospora caninum</i>	Liverpool	ToxoDB
Pathogen	Trypanosomatid	<i>T. brucei gambiense</i>	DAL972	TriTrypDB
Pathogen	Trypanosomatid	<i>Trypanosoma congolense</i>	IL3000	TriTrypDB
Pathogen	Bacteria	<i>Chlamydia trachomatis</i>	D/UW-3/CX	GenBank
Pathogen	Helminth	<i>Onchocerca volvulus</i>	Cameroon	Wormbase Parasite
Pathogen	Helminth	<i>Loa Loa</i>	Cameroon	GenBank
Pathogen	Bacteria	<i>Mycobacterium ulcerans</i>	Agy99	GenBank
Pathogen	Bacteria	<i>Wolbachia Brugia malayi</i>	TRS	GenBank
Pathogen	Helminth	<i>Echinococcus granulosus</i>	G1	GeneDB
Pathogen	Helminth	<i>Echinococcus multilocularis</i>	Java	GeneDB
Pathogen	Helminth	<i>Schistosoma japonicum</i>	China/Anhui	GeneDB
Pathogen	Helminth	<i>Brugia malayi</i>	TRS	GenBank
Pathogen	Helminth	<i>Schistosoma mansoni</i>	Puerto Rico	GenBank
Pathogen	Bacteria	<i>Treponema pallidum</i>	Nichols	GenBank