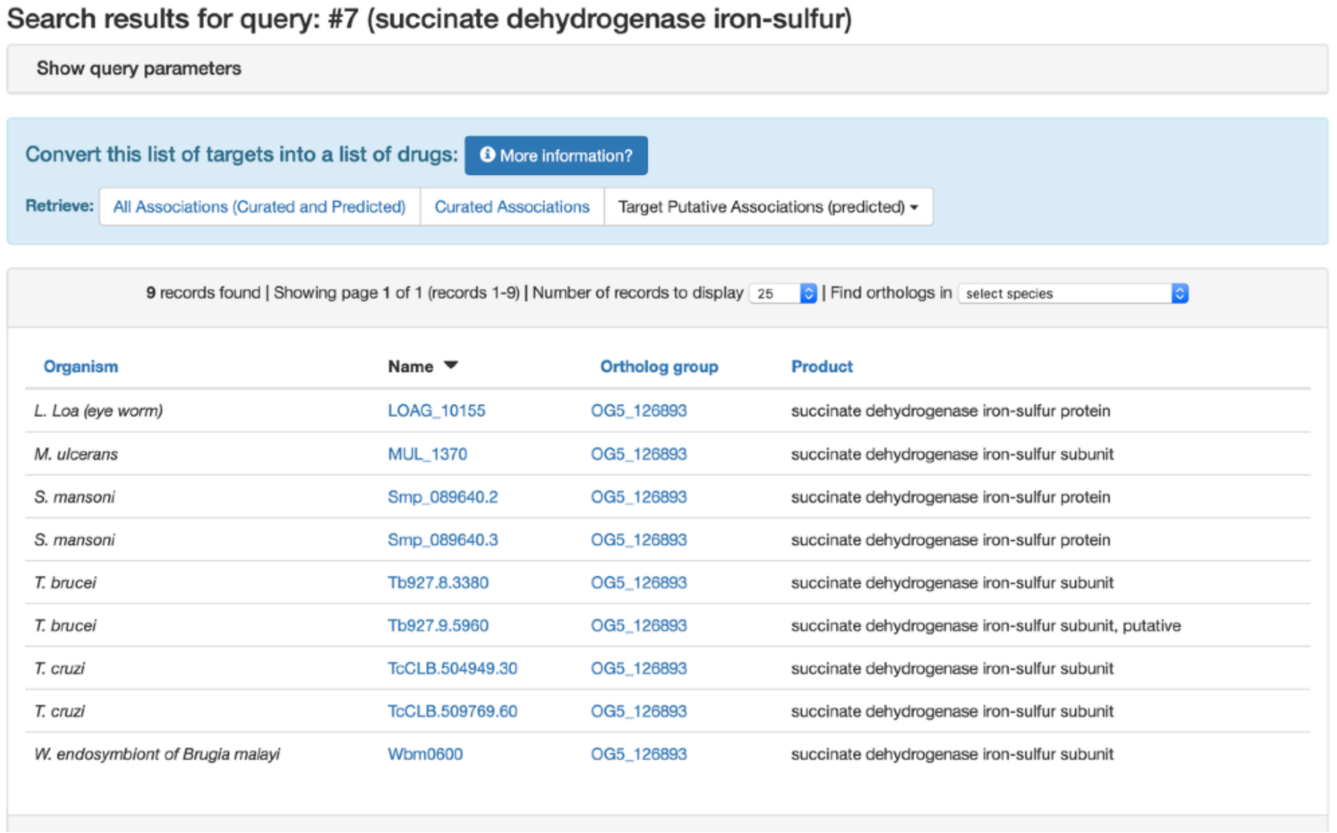
- A few of the hits had “iron-sulfur subunit” in the name. The iron-sulfur subunit is B, one of those next to the ubiquinone binding site.
- Try a “Quick Search…” for “succinate dehydrogenase iron-sulfur”.



Search results for query: #7 (succinate dehydrogenase iron-sulfur)

Show query parameters

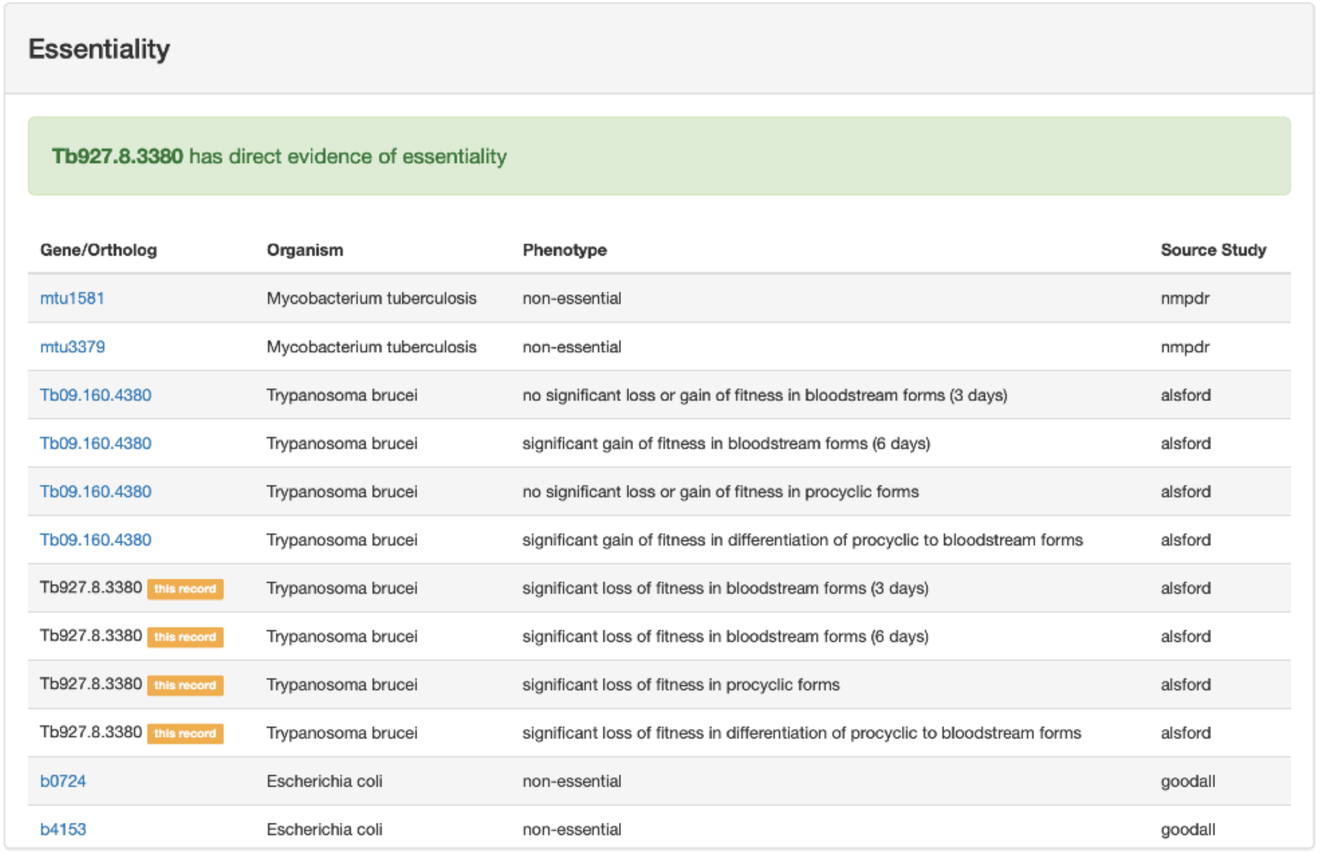
Convert this list of targets into a list of drugs: More information?

Retrieve: All Associations (Curated and Predicted) | Curated Associations | Target Putative Associations (predicted)

9 records found | Showing page 1 of 1 (records 1-9) | Number of records to display 25 | Find orthologs in select species

Organism	Name	Ortholog group	Product
L. Loa (eye worm)	LOAG_10155	OG5_126893	succinate dehydrogenase iron-sulfur protein
M. ulcerans	MUL_1370	OG5_126893	succinate dehydrogenase iron-sulfur subunit
S. mansoni	Smp_089640.2	OG5_126893	succinate dehydrogenase iron-sulfur protein
S. mansoni	Smp_089640.3	OG5_126893	succinate dehydrogenase iron-sulfur protein
T. brucei	Tb927.8.3380	OG5_126893	succinate dehydrogenase iron-sulfur subunit
T. brucei	Tb927.9.5960	OG5_126893	succinate dehydrogenase iron-sulfur subunit, putative
T. cruzi	TcCLB.504949.30	OG5_126893	succinate dehydrogenase iron-sulfur subunit
T. cruzi	TcCLB.509769.60	OG5_126893	succinate dehydrogenase iron-sulfur subunit
W. endosymbiont of Brugia malayi	Wbm0600	OG5_126893	succinate dehydrogenase iron-sulfur subunit

- Click on Tb927.8.3380 and scroll down to Essentiality Data
- Suppose that we discover a SDH inhibitor in our SBDD campaign against the ubiquinone binding site of *P. Aeruginosa*. Based on these data, which other species would be most worth testing its efficacy against? Which would be least worth testing?



Essentiality

Tb927.8.3380 has direct evidence of essentiality

Gene/Ortholog	Organism	Phenotype	Source Study
mtu1581	Mycobacterium tuberculosis	non-essential	nmpdr
mtu3379	Mycobacterium tuberculosis	non-essential	nmpdr
Tb09.160.4380	Trypanosoma brucei	no significant loss or gain of fitness in bloodstream forms (3 days)	alsford
Tb09.160.4380	Trypanosoma brucei	significant gain of fitness in bloodstream forms (6 days)	alsford
Tb09.160.4380	Trypanosoma brucei	no significant loss or gain of fitness in procyclic forms	alsford
Tb09.160.4380	Trypanosoma brucei	significant gain of fitness in differentiation of procyclic to bloodstream forms	alsford
Tb927.8.3380 this record	Trypanosoma brucei	significant loss of fitness in bloodstream forms (3 days)	alsford
Tb927.8.3380 this record	Trypanosoma brucei	significant loss of fitness in bloodstream forms (6 days)	alsford
Tb927.8.3380 this record	Trypanosoma brucei	significant loss of fitness in procyclic forms	alsford
Tb927.8.3380 this record	Trypanosoma brucei	significant loss of fitness in differentiation of procyclic to bloodstream forms	alsford
b0724	Escherichia coli	non-essential	goodall
b4153	Escherichia coli	non-essential	goodall