

- 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
<a href="#">mtu1581</a>	Mycobacterium tuberculosis	non-essential	nmpdr
<a href="#">mtu3379</a>	Mycobacterium tuberculosis	non-essential	nmpdr
<a href="#">Tb09.160.4380</a>	Trypanosoma brucei	no significant loss or gain of fitness in bloodstream forms (3 days)	alsford
<a href="#">Tb09.160.4380</a>	Trypanosoma brucei	significant gain of fitness in bloodstream forms (6 days)	alsford
<a href="#">Tb09.160.4380</a>	Trypanosoma brucei	no significant loss or gain of fitness in procyclic forms	alsford
<a href="#">Tb09.160.4380</a>	Trypanosoma brucei	significant gain of fitness in differentiation of procyclic to bloodstream forms	alsford
<a href="#">Tb927.8.3380</a> <small>this record</small>	Trypanosoma brucei	significant loss of fitness in bloodstream forms (3 days)	alsford
<a href="#">Tb927.8.3380</a> <small>this record</small>	Trypanosoma brucei	significant loss of fitness in bloodstream forms (6 days)	alsford
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<a href="#">Tb927.8.3380</a> <small>this record</small>	Trypanosoma brucei	significant loss of fitness in differentiation of procyclic to bloodstream forms	alsford
<a href="#">b0724</a>	Escherichia coli	non-essential	goodall
<a href="#">b4153</a>	Escherichia coli	non-essential	goodall

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- The inhibitor should be tested against *T. brucei* and *T. gondii*. It probably won't be effective against *M. tuberculosis* and *P. berghei*.

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