explanation

Yeast\_complex\_portal\_2022.tsv is the latest complex information downloaded from complex portal. This file and complex portal website are the most import reference, and uniprot and SGD is for supplement.

* First, compare the file with yeast-GEM to find the complex annotation( A ) in the file and its counterpart( B ) in yeast-GEM.
* If A contains more complex than B, then add the extra complex. e,g. “r\_0831”.
* For the same complex in A and B, if A contains more subunits than B, then add the extra subunits. e.g. “r\_3216”
* For more complicated situation. e.g. “r\_0963”, “r\_0263”, “r\_0886”, “r\_0021”. Then uniprot and SGD are needed for further information to make sure whether a single subunit could catalyse the reaction along, whether a subunit is necessary.