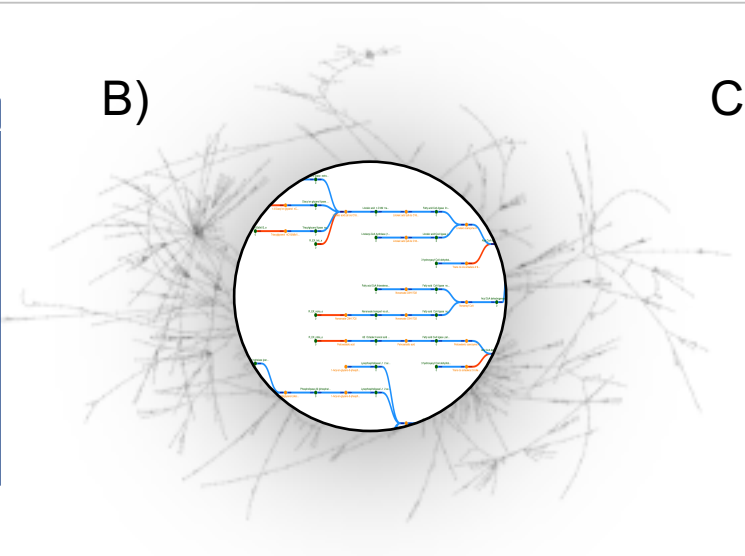


A)

```
π ~ > protein seq file (*.faa)

>|c|NC_002947.4_prot_WP_003253185.1_1
MAVKKRG LGRGLDALLSGPSVSALEEQAVKIDQKELQH
LPVELVQ RQKYQPRRDMDPEALEELAHSIRN
...
```



C)

reaction	metabolite	factor	flux
R_EX_mg2_e	M_mg2_e	-1	0.004383747
R_EX_mmet_e	M_mmet_e	-1	0
R_EX_mn2_e	M_mn2_e	-1	0.000349184
R_EX_mnl_e	M_mnl_e	-1	0
R_EX_mobd_e	M_mobd_e	-1	0
R_EX_mso3_e	M_mso3_e	-1	0
R_EX_nac_e	M_nac_e	-1	0
R_EX_nh4_e	M_nh4_e	-1	9.208681315

