***Idotea baltica* Assembly Filtering**

Filtering based on 4x coverage and a minimum length of 600bp

Send script to Taito

scp prune\_fasta.pl ketaya@taito.csc.fi:

**RUNNING**

Filter based on length

perl prune\_fasta.pl trinity\_25.fasta 600 30000 > trinity.K25.L600.fasta

Check the number of contigs

grep -c “^>” trinity\_25.fasta

# 115931

grep -c “^>” trinity.K25.L600.fasta

# 36150

Confirm minimum length with TransRate

transrate --assembly trinity.K25.L600.fasta

It appears this minimum length filters too much.

Instead the ‘good’ contigs from TransRate will be used since it keeps more contigs.

But the length filter will be applied to the ‘good’ contigs to see what affect it has on completeness.

Run on ‘good’ contigs

perl prune\_fasta.pl good.trinity\_25.fa 600 30000 > good.trinity.K25.L600.fasta

Check for number of contigs

grep -c “^>” trinity\_25.fasta

# 26569