Week 1

- ***gyrA* mutation**. Last week we have faced some problems with *gyrA* mutation. Colonies grown after transformation looked like *Streptococci*. I had run PCR with *E. coli* primers, bands were apparent, though. However, the extracted amount of DNA was not enough for sequencing (usually *Streptocci* gDNA is poorly extracted, so we got low amounts of template gDNA).

  So I have started this week from getting DNA samples for sequencing (as a template I used the PCR products, extracted from a gel). PCR results (bands on a gel) were the same as the first. DNA amount was good. I have sent DNA samples for sequencing.

- **Topo-Seq sample preparation**. The rest of the week I've been assisting Dima with Topo-Seq. We did it on **gyrase** and **TopoIV** on both OD = 0.6 and overgrown cultures.