Investigating the control of the expression of source Sialidase

Background
When expressing Sialidase from the source plasmid the negative control was contaminated. The theory was that the IMAC colon had been contaminated from the samples. The expression of the Sialidase from the source plasmid is done again to attempt to get a blank negative control.

Previous week an old cobalt colon was used but pulsed with twice the volume of imidazole than stated in the protocol to make sure the contaminants were washed away. The negative control was still contaminated.

In the second try a completely new colon was packed and the experiment is repeated.

SDS-PAGE of Sialidase expressed from source plasmid

Aim
To visualize the positive and negative control of the expressed Sialidase from the plasmid source to control if the negative control is blank.

Procedure
The protocol for SDS-PAGE was used with the exception that 24 µl of sample was used with 6 µl of loading buffer. The gels were pre-casted gels from Biorad.