

Second Experiment TAL Transcription factor SEAP assay

We did a second transfection of our TAL Transcription factor with SEAP. As you can see this experiment demonstrates the same behavior as the first. We are able to show that our toolkit is working and able to produce functional TAL effectors.

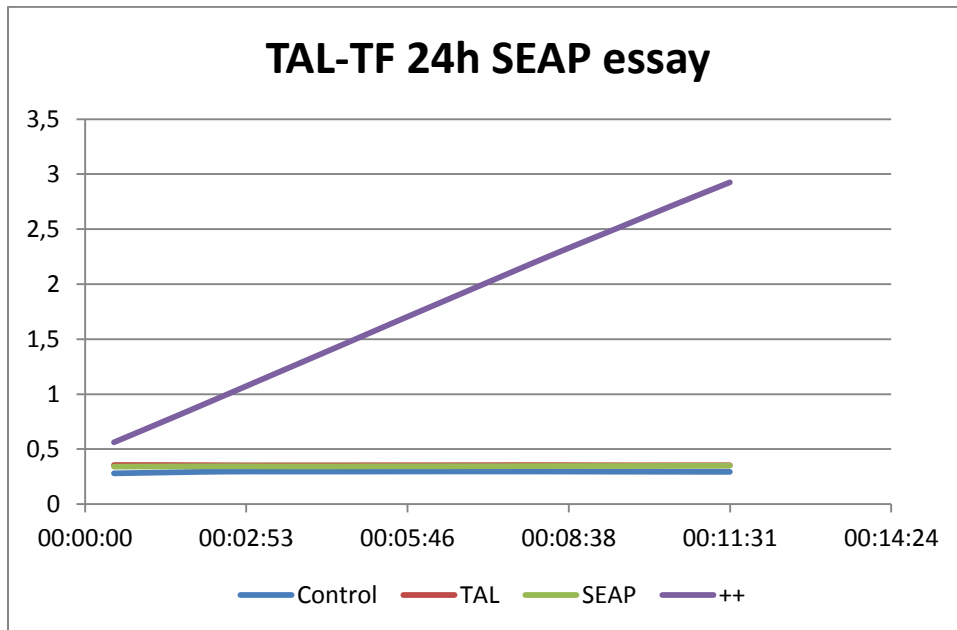


Figure 1: Here you can see the accumulation of SEAP in the double transfection (++) in the samples taken 24 hours after transfection. After ten minutes the OD of SEAP reached the maximum measurable density, and the assay ended.

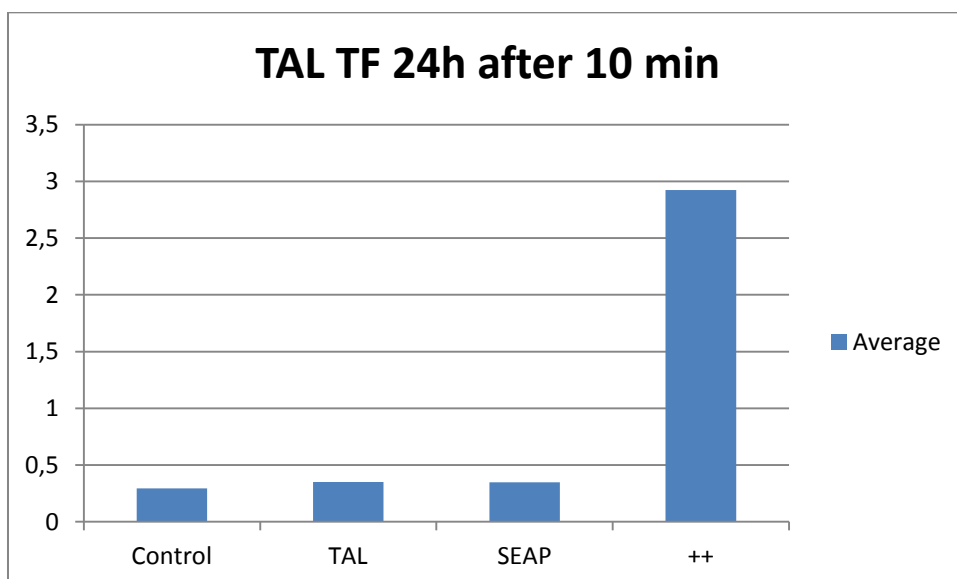


Figure 2: This pictures show the average of three replicates at the 10 minute time point. Its clearly visible that the double transfection (++) and therefore the TAL-Transcription factor raised the expression of SEAP.

After 48 hours we could see the same picture like before. We used a dilution of 1:10 to measure the activity of SEAP a little further.

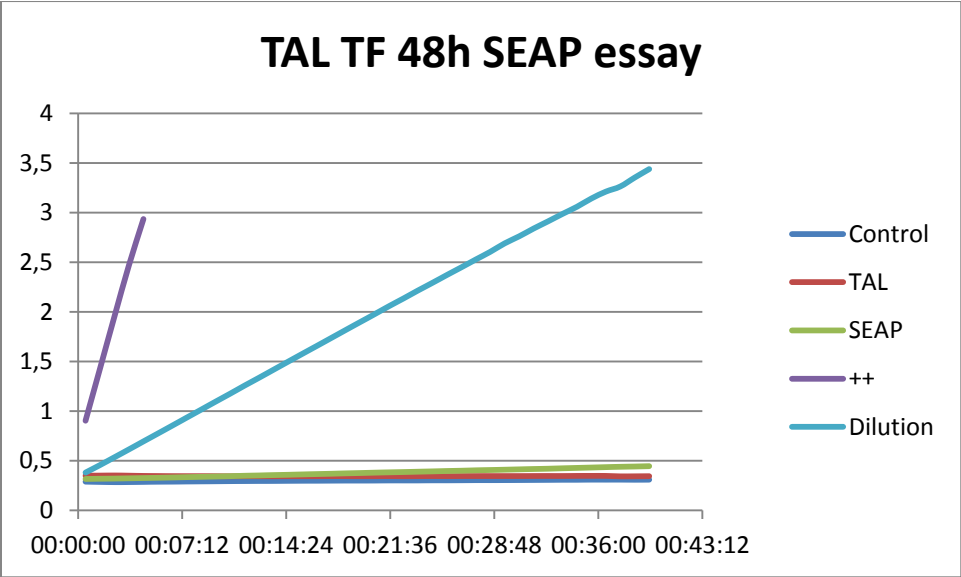


Abbildung 3: SEAP assay of the samples taken 48h after transfection.