

Figure 3: Movie showing induction and de-induction of Venus under the control of the Met promoter in diploid yeast cells.

Movie duration : 8 hours, 1 frame every 3 minutes. Note that the focus is very stable despite high flow rates in the chamber (about 200 $\mu\text{L}/\text{min}$).

Medium lacking methionine is pulsed two hours after the beginning of the movie, thus inducing the expression of Venus (yellow fluorescent protein).

After 4 hours of induction, methionine is flown back in the flow cell, so that fluorescence decays. Scale bar is 5 μm .