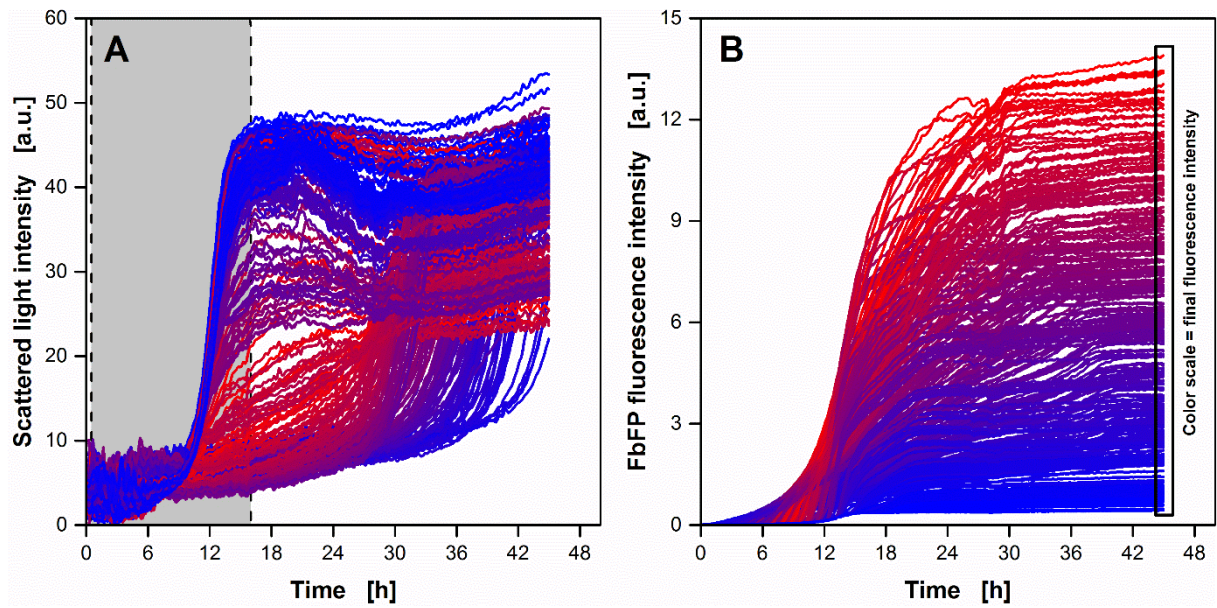




Additional Figure 1: Monitored scattered light (A) and FbFP fluorescence intensity signals (B) during 303 *E. coli* Tuner(DE3)/pRhotHi-2-LacI-EcFbFP cultures with varying times of induction (0.5–16 h) and concentrations of IPTG (0–1000 μ M). (A) The time span of induction is highlighted by the gray area. (B) The final FbFP fluorescence intensity defines the color-coding. The weakest expression ($\triangleq$ minimum final FbFP fluorescence intensity) is presented in blue and becomes more reddish with increasing final fluorescence intensity. The maximum final fluorescence intensity is presented in pure red. The presented cultures were conducted in a total of eight MTPs. The investigated cultures are referred to as dataset A in Table 1. Cultivation conditions: 48 round deep-well MTP without optodes, $V_L = 800 \mu\text{L}$, $n = 1000 \text{ rpm}$, shaking diameter $d_0 = 3 \text{ mm}$, 30°C