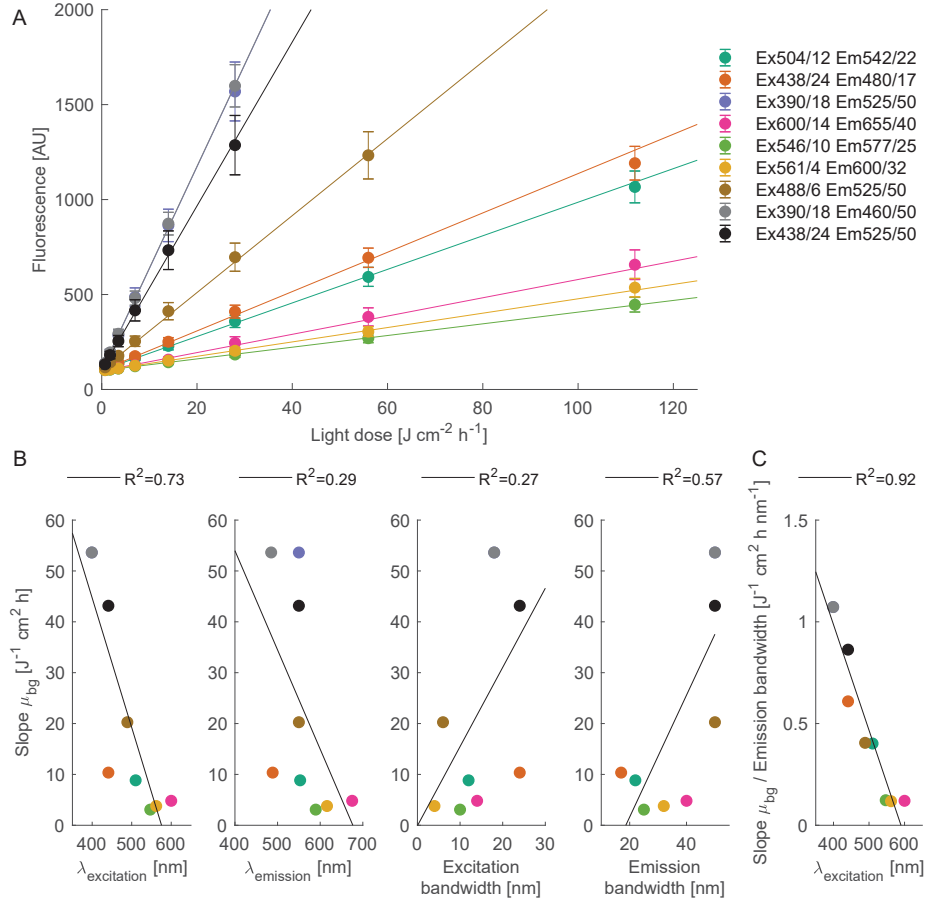


Figure S22: Background fluorescence of wildtype *S.cerevisiae* cells with different filter sets



The fluorescence signal from a wildtype *S.cerevisiae* strain (FRY2032) was measured for each fluorescence imaging filter set at different exposure times. A: The background fluorescence of the wildtype strain μ_{bg} is plotted against the light dose (mean \pm standard deviation are shown, light dose based on 5 min interval time). μ_{bg} is linearly correlated with the light dose. The slope of the linear fit is a measure for the strength of the background fluorescence B: μ_{bg} is plotted against different properties of the imaging channels. C: The background fluorescence corrected for the bandwidth of the emission filter strongly correlates with the excitation wavelength.