

Supplemental data table 3S: Growth conditions for preparation of spectral libraries

For construction of spectral libraries, bacteria were grown according to the growth conditions listed below. The harvest at mid-exponential growth phase corresponds to OD_{540 nm} 0.5 - 0.6 in LB and OD_{500 nm} 0.5 - 0.6 in CDM. T180 = 180 min after entry into stationary growth phase

medium	growth phase for harvest	stress condition	investigated subcellular condition
LB	mid-exponential		cytosol, enriched membrane fraction
LB	mid-exponential	0.1 mM Methylviologen	cytosol, enriched membrane fraction
LB	mid-exponential	10 mM H ₂ O ₂	cytosol, enriched membrane fraction
LB	mid-exponential	2 mM TMAD	cytosol, enriched membrane fraction
LB	mid-exponential	0.3 mM BIP	cytosol, enriched membrane fraction
LB	mid-exponential	48 °C	cytosol, enriched membrane fraction
LB	mid-exponential	8% NaCl	cytosol, enriched membrane fraction
LB	stationary (T180)		cytosol, enriched membrane fraction, extracellular fraction
LB	late stationary (12 hours cultivation)		cytosol, enriched membrane fraction, extracellular fraction
CDM	mid-exponential	0.05% glucose	cytosol, enriched membrane fraction
CDM	stationary (T180)		cytosol, enriched membrane fraction, extracellular fraction