**A.** Determination of the self-cleavage site of Lem8 by mass spectrometry. A diagram of the sequence containing the recognition site with the two diagnostic peptides used to determine the cleavage site (top panel). Protein bands corresponding to full-length and cleaved Lem8 band was excised ( lower left panel), digested with trypsin and analyzed by mass spectrometry. The semi-tryptic peptide -L464CEKAPQPTPQRQ476- is present in cleaved samples but not in samples of full-length Lem8, whereas the fragment -A478QSLSAETER487- was only detected in samples of the full-length protein (lower right panel), supporting the notion that the cleavage site lies between Gln476 and Arg477 described in Fig.3C.