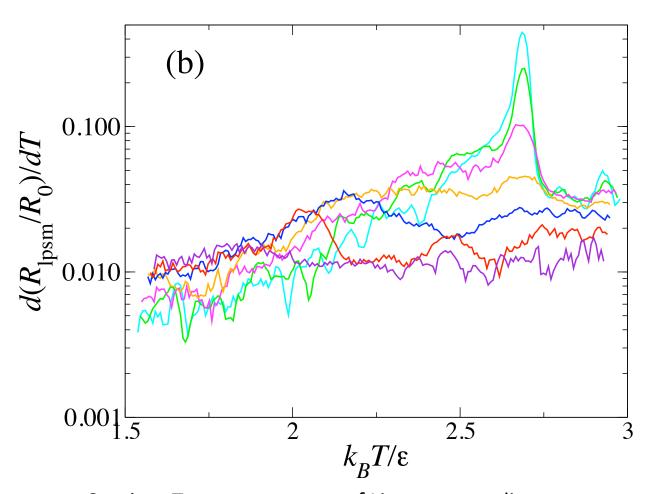
## **Supplementary Document**



Caption: Temperature rate of Liposomes radius, vs. temperature. Curves from top to bottom at  $k_{\rm B}T$ =2.6 correspond to liposomes composed of 80 000, 40 000, 20 000, 10 000, 5 000, 2 500, and 1 500 lipids, respectively.