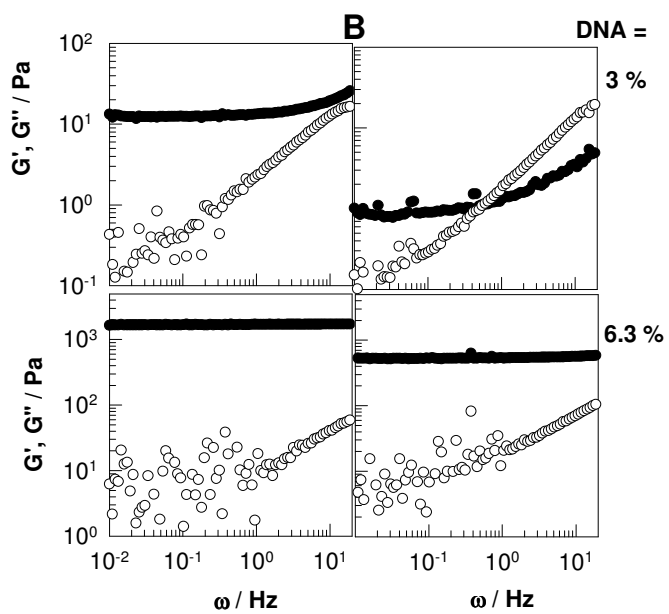
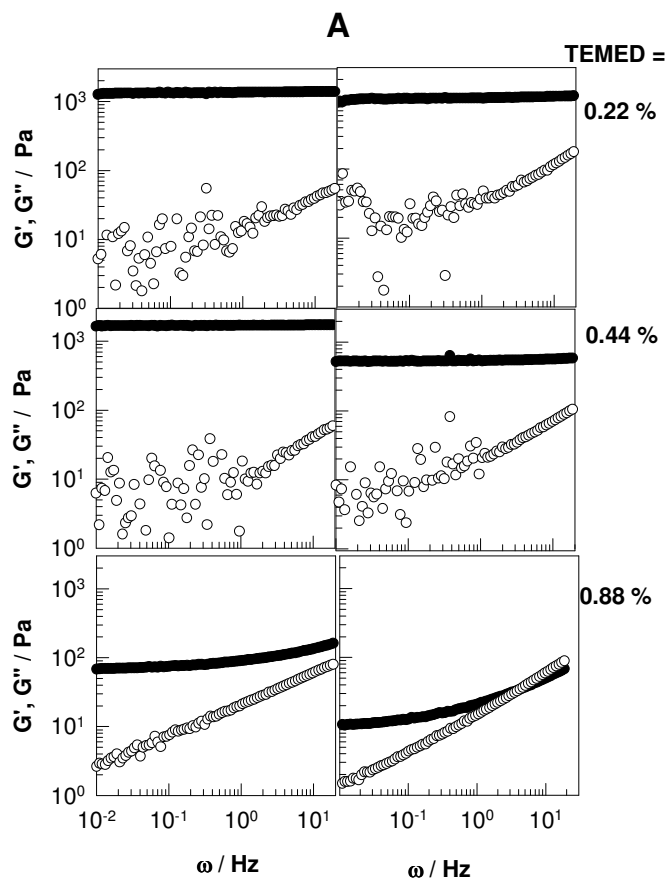
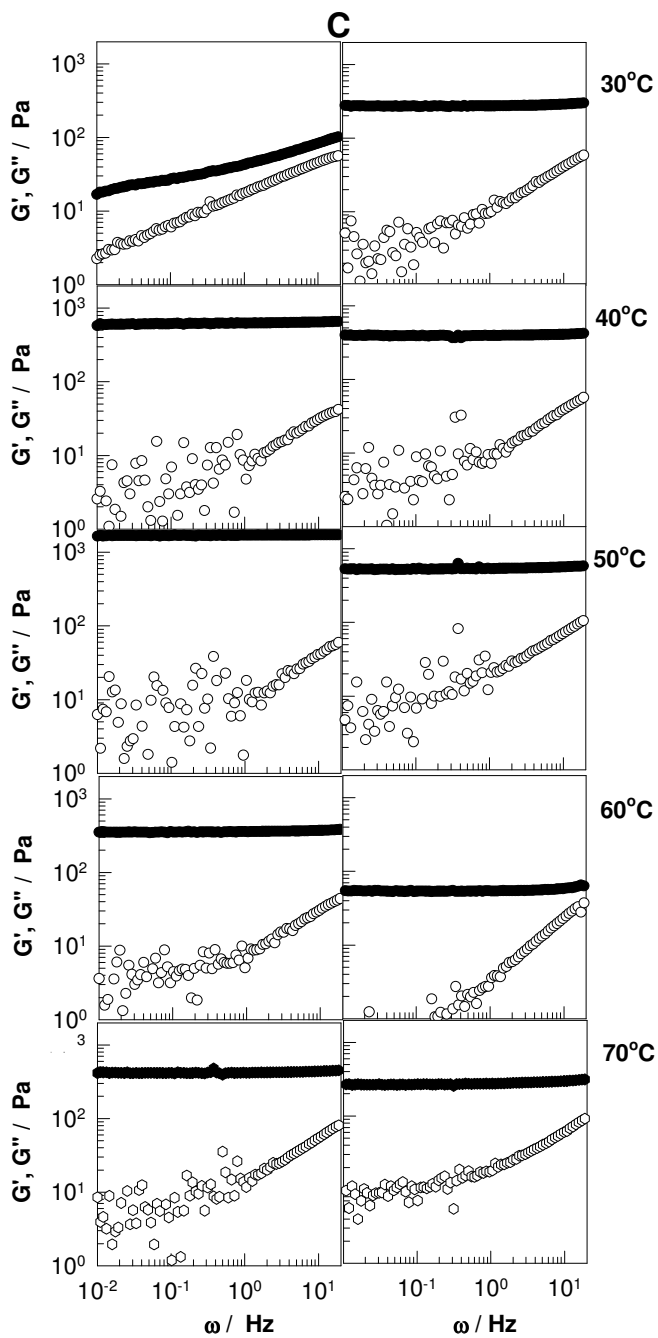


# Supporting Information





**Figure S1.**  $G'$  (●) and  $G''$  (○) of DNA gels at 25°C before (left panel) and after the heating-cooling cycle (right panel) shown as a function of the frequency  $\omega$ .  $\gamma^0 = 0.01$ . **(A):** DNA = 6.3 %. EGDE = 10 %. Temperature = 50°C. TEMED % indicated. **(B):** EGDE = 10 %. TEMED = 0.44 %. Temperature = 50°C. DNA % indicated. **(C):** DNA = 6.3 %. EGDE = 10 %. TEMED = 0.44 %. Gelation temperature indicated.