



**Supplementary Figure 1.** Control drop assay performed with the 20 cold-resistance clones and the control strains used in the cold test (*see Fig. 1*). The cell density of overnight cultures was adjusted to OD<sub>600 nm</sub> values of 1.0, serial dilutions were performed and 10  $\mu$ l drops of each dilution were inoculated on LB-Ap<sub>50</sub> plates. Similar cell density of the different cultures was checked growing cells overnight at 37°C.