Supplemental material for "Finite-size effect in shot noise in hopping conduction"

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Fig. 1. Measurement of the equilibrium Johnson-Nyquist voltage noise in the dilution refrigerator. The excess voltage on the detector (normalized by T) as a function of the resistance of the sample and load R_0 in parallel. Different symbols correspond to the different bath temperatures: circle – 1.23 K, plus – 0.69 K, square – 0.125 K. The dashed line is the fit corresponding to the Johnson-Nyquist noise shunted by a stray capacitance of 3.5 pF. Note that the bath T measured with a thermometer next to the sample didn't go below ≈ 120 mK because of the power dissipated by the low-T amplifier.