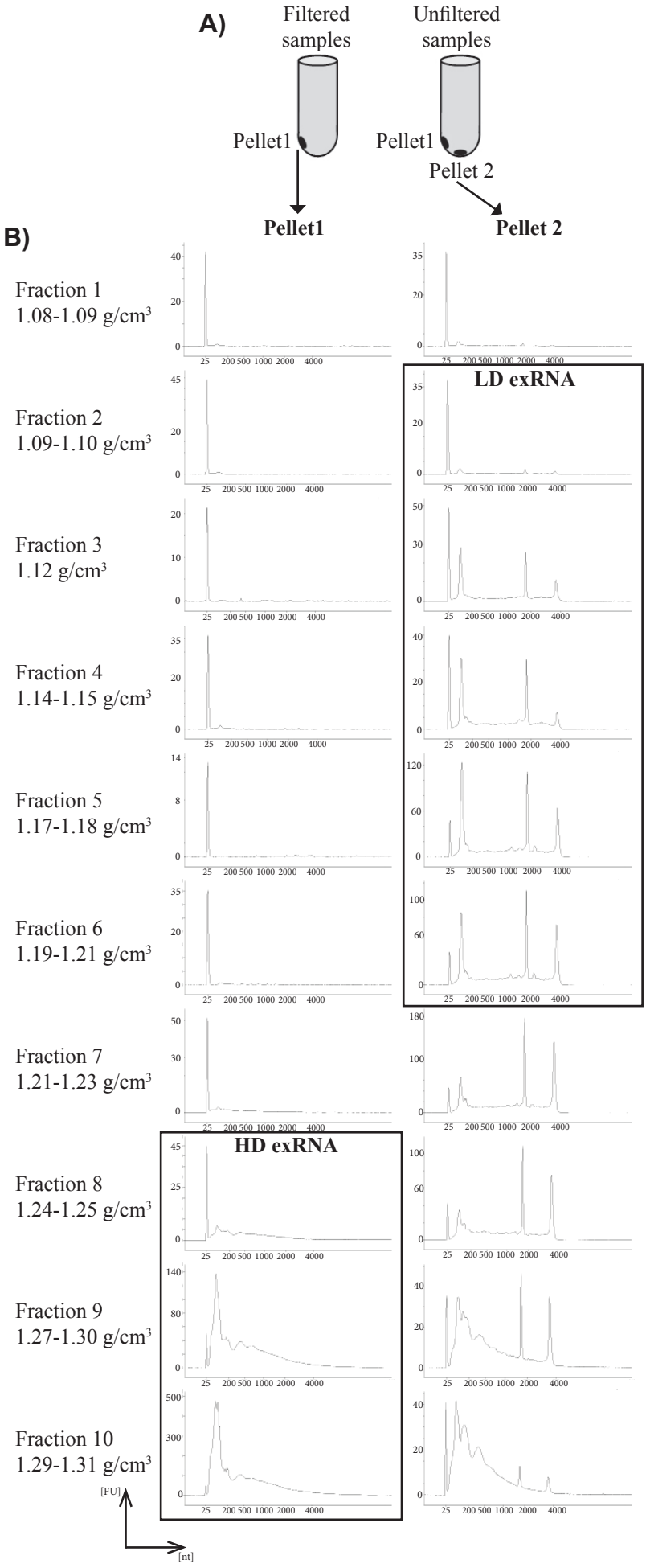
Supplementary Figure 1



Supplementary Figure 1. Separation of two different extracellular RNA profiles (A) A schematic of the pellets identified after differential ultracentrifugation both with and without the use of a 0.2 µm filter. In both filtered and unfiltered samples, a pellet could be found attached to the side of the tubes (Pellet 1). In the unfiltered samples, an additional pellet was identified at the bottom of the tube (Pellet 2). **(B)** Isolated Pellet 1 and Pellet 2 from HMC-1 cells were allowed to float into a sucrose gradient (0.4–2.5 M). RNA was isolated from 10 fractions per gradient, and the RNA profiles were analysed with a Bioanalyzer instrument. The majority of the intact rRNA detected was found in the fractions with a density of 1.14–1.25 g/cm^3, and while most RNA detected in the fractions with the density of 1.24–1.31 g/cm^3 did not contain rRNA or only showed smaller rRNA peaks. Although both pellets were found in the isolation without the filter, to achieve full separation of the two RNA-containing entities the filtration step was used when Pellet 1 was isolated for downstream applications. Representative graphs are shown from two experiments.