The “complete” catalogs are obtained running with the full simulation, including also realistic galaxy positions (coming soon). These catalogues are generally big.

The “short” catalog doesn't have realistic galaxy positions and I simulated 100 galaxies every time the density of such galaxies is above 100/Mpc^3. To recover the real expected number of galaxies it is necessary to look at the log10N value in the physparam catalog. Every time log10N>2 the corresponding simulated galaxy represents a number of 10^{logN-2} galaxies. This allows for having some statistics with a more friendly catalog.

For any question, please contact me at laura.bisigello@gmail.com