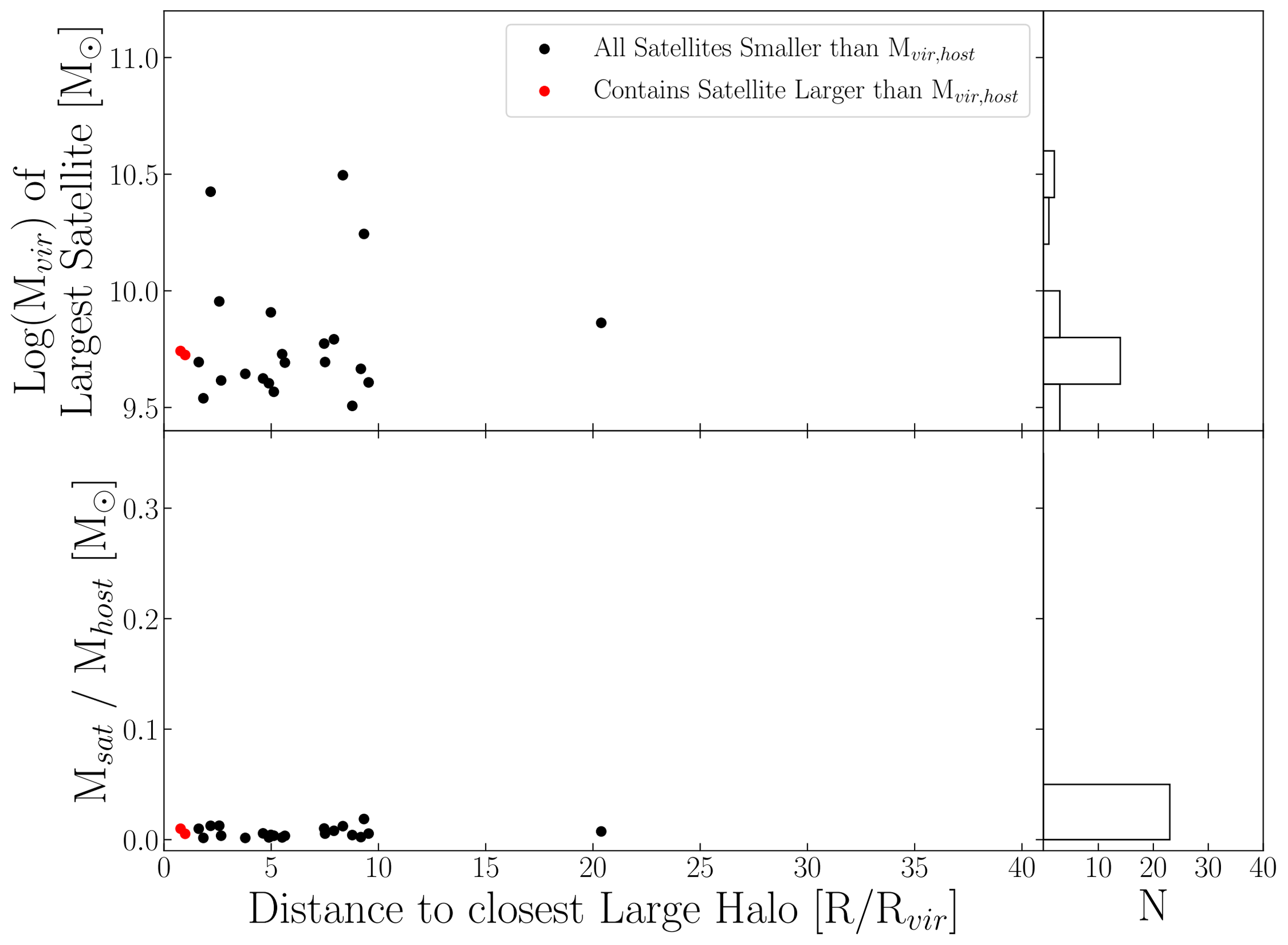
All Satellites Smaller than $M_{vir,host}$
Contains Satellite Larger than $M_{vir,host}$
Log(M_{vir}) of Largest Satellite [$M_\odot$]
M_{sat} / M_{host} [$M_\odot$]
Distance to closest Large Halo [R/R_{vir}]
N