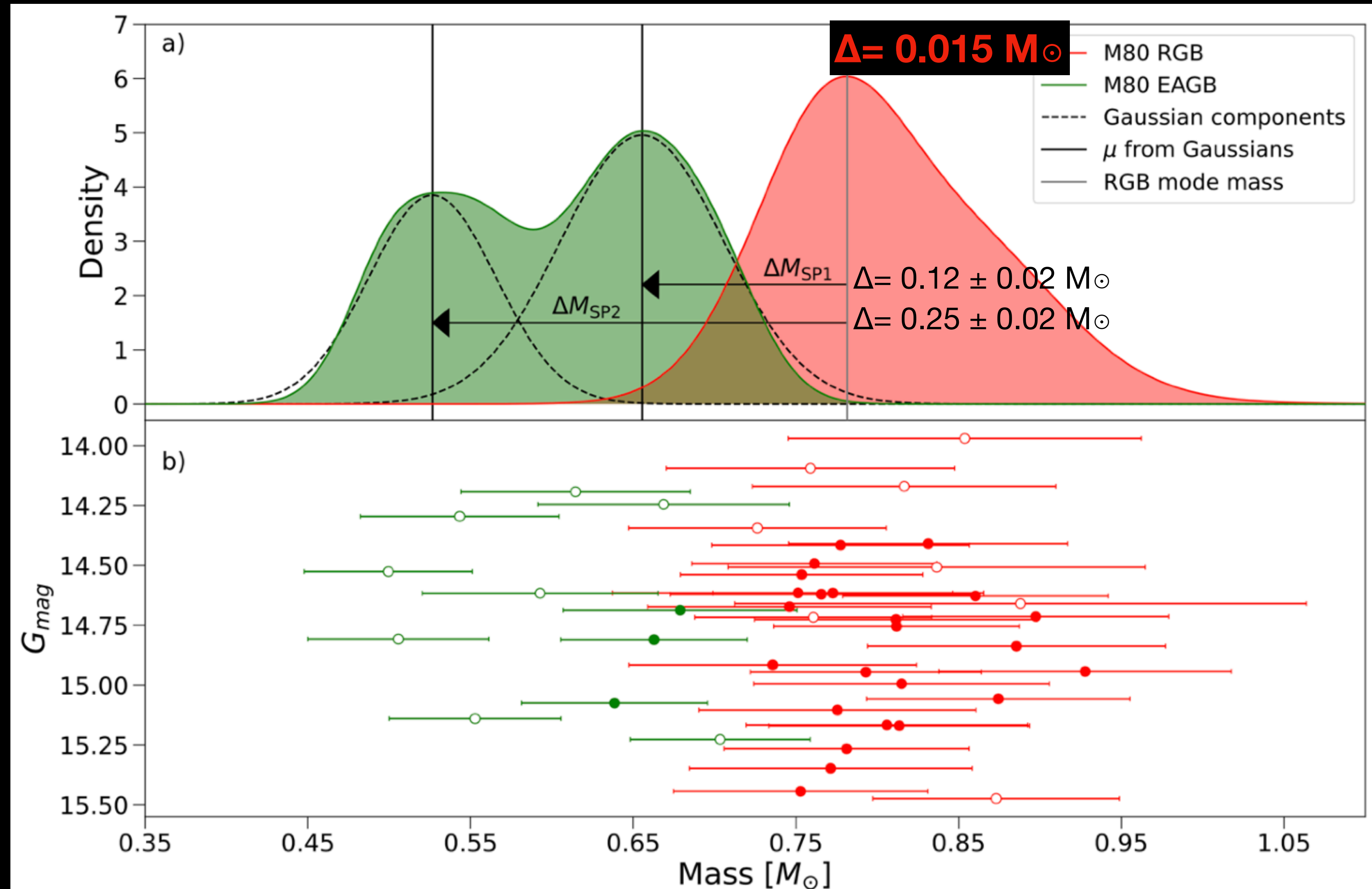


Masses

- They suspect that the sub populations on RGB were within the errors and that is why we see only one component
- To test this they generate a sample of modeled stars with **MESA 1D stellar evolution code**
- To simulate the MPs they created 2 sub samples with different abundance of He ($Y=0.25$ and $Y=0.261$)



Masses

- In contrast with their past study they don't have HB stars (since those stars were below the limit in magnitude)
- To ascertain what the mass distribution on the HB is, They calculated a series of models in which were removed various amounts of the stellar envelope just before the ZAHB

