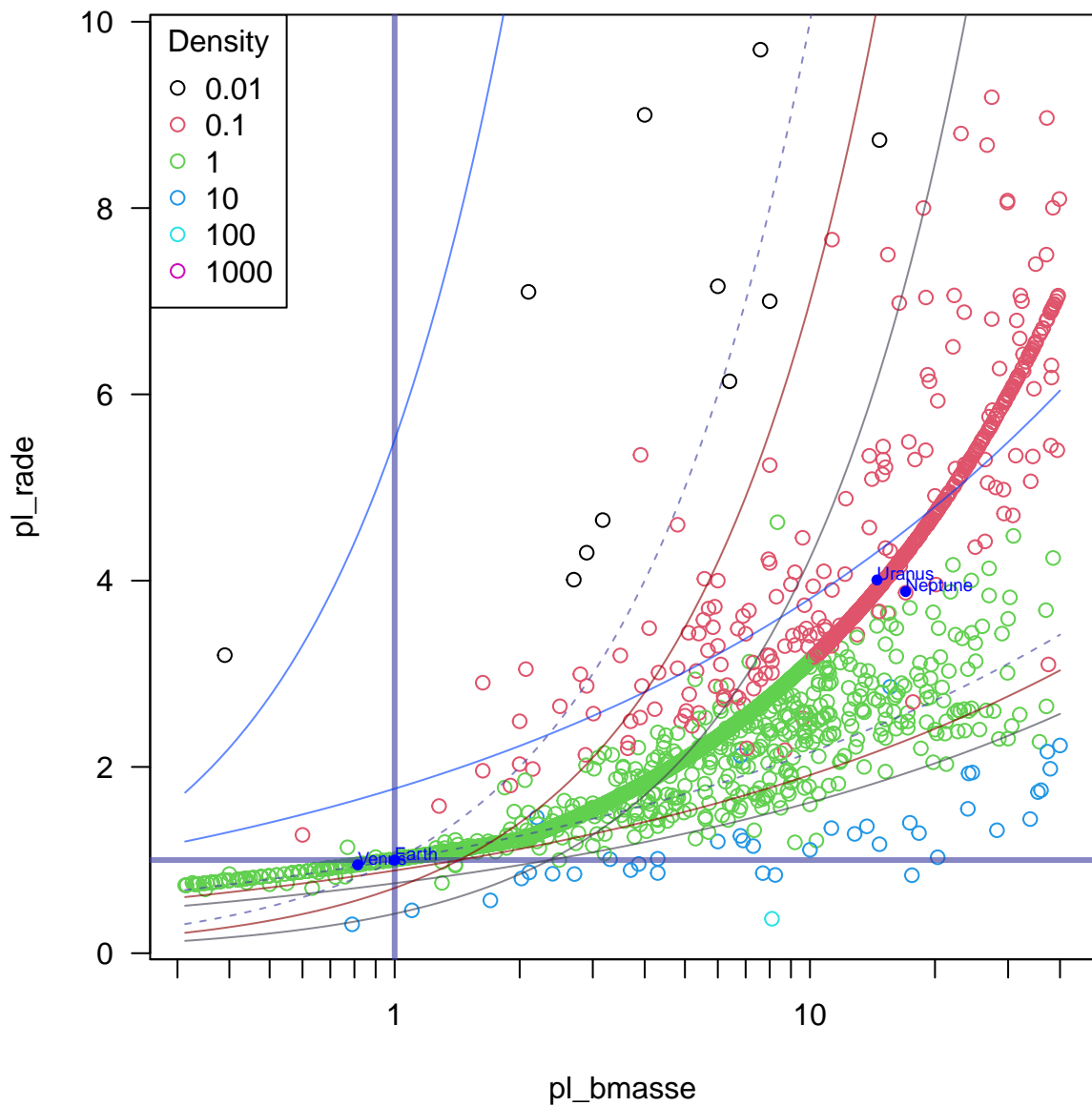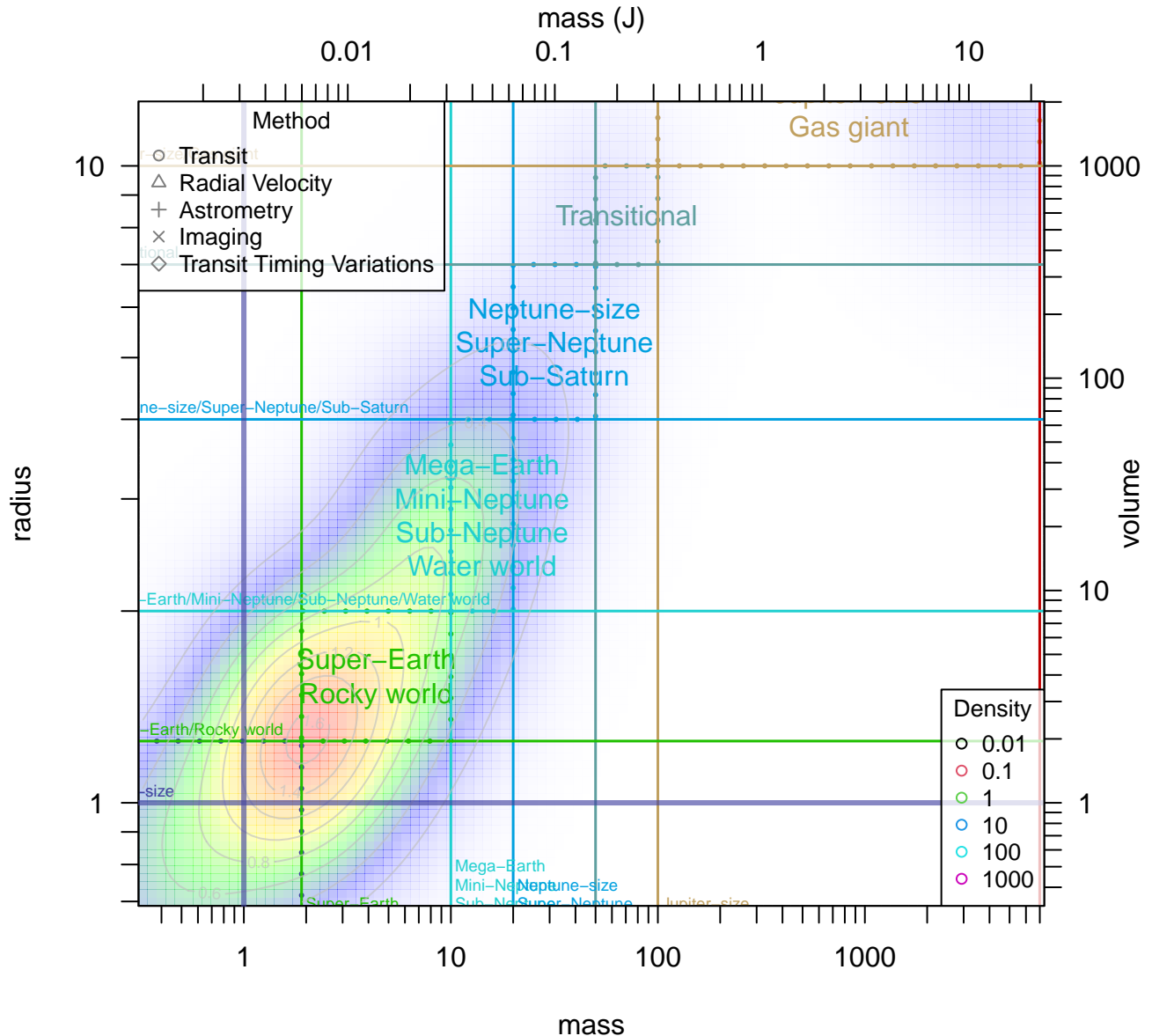Exoplanets Mass−Radius relation (cropped)

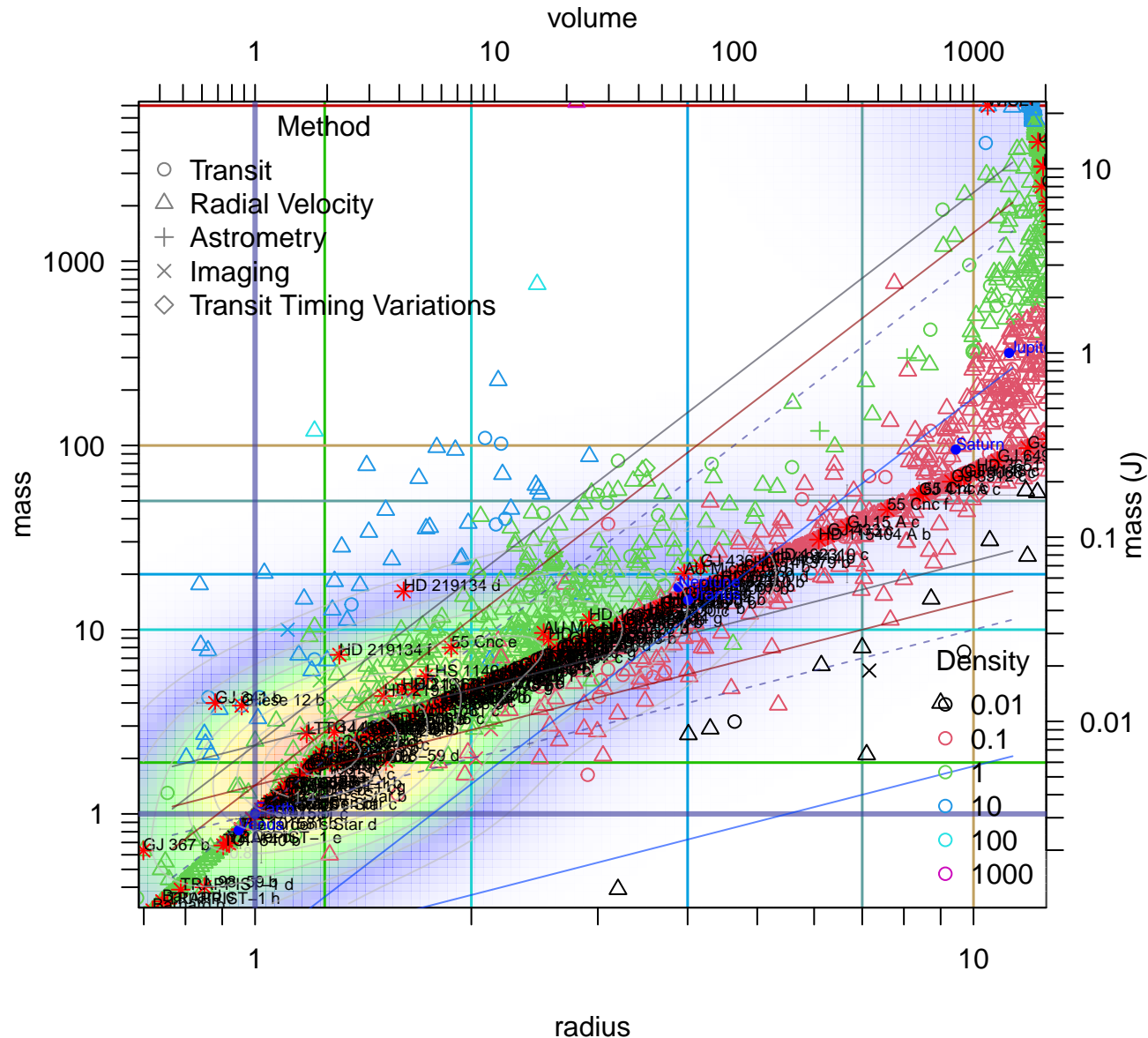**Exoplanets Mass–Radius relation**
Those within 15 parsecs highlighted in red (200)

mass (J)

Method
○ Transit
△ Radial Velocity
+ Astrometry
× Imaging
◇ Transit Timing Variations

Gas giant

Transitional

Neptune–size
Super–Neptune
Sub–Saturn

ne–size/Super–Neptune/Sub–Saturn

Mega–Earth
Mini–Neptune
Sub–Neptune
Water world

–Earth/Mini–Neptune/Sub–Neptune/Water world

Super–Earth
Rocky world

–Earth/Rocky world

–size

Density
○ 0.01
○ 0.1
○ 1
○ 10
○ 100
○ 1000

Mega–Earth
Mini–Neptune   Neptune–size
Super–Earth   Sub–Ne Super–Neptune   Jupiter–size

radius

volume

mass

Exoplanets
Those within 15 parsecs highlighted in red (200)

Exoplanets Mass–Radius relation
Those within 15 parsecs highlighted in red (200)

Mass−Radius relation (5856 exoplanets)
15 parsecs (49 ly) shown with error bars (200). Best ones circled in red and