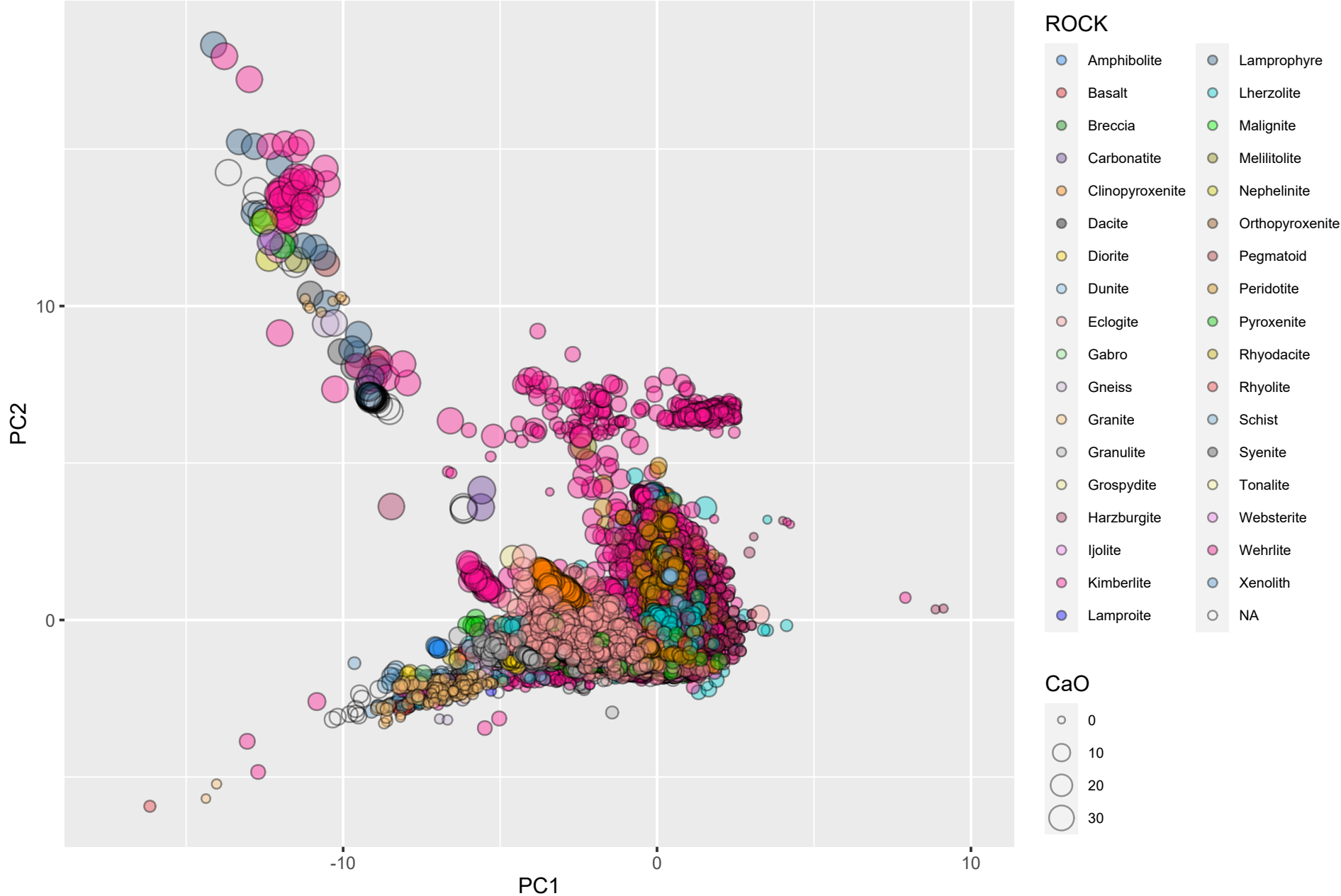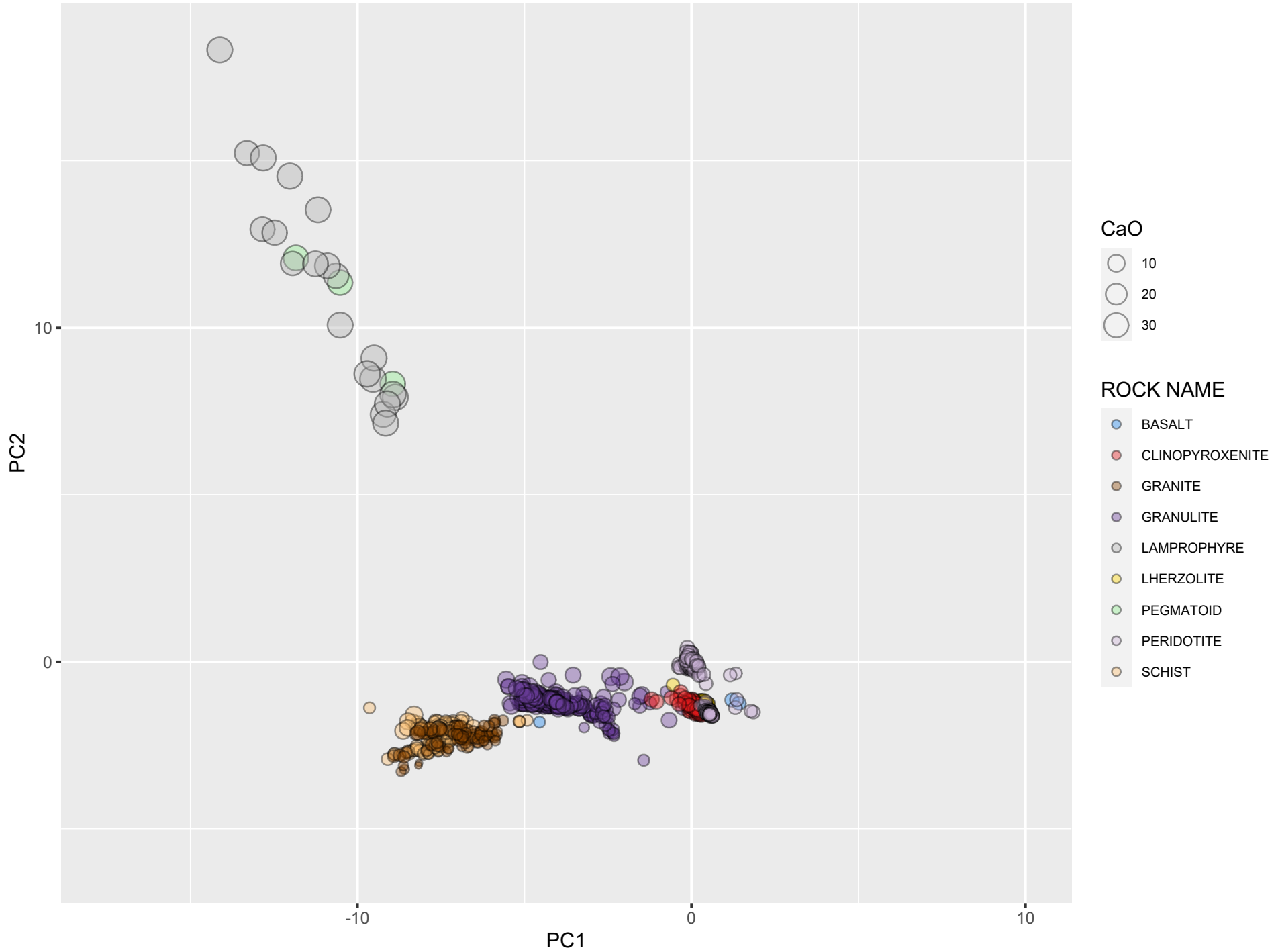# Garnet Classification by Rock type

PCA plot for selected rocks
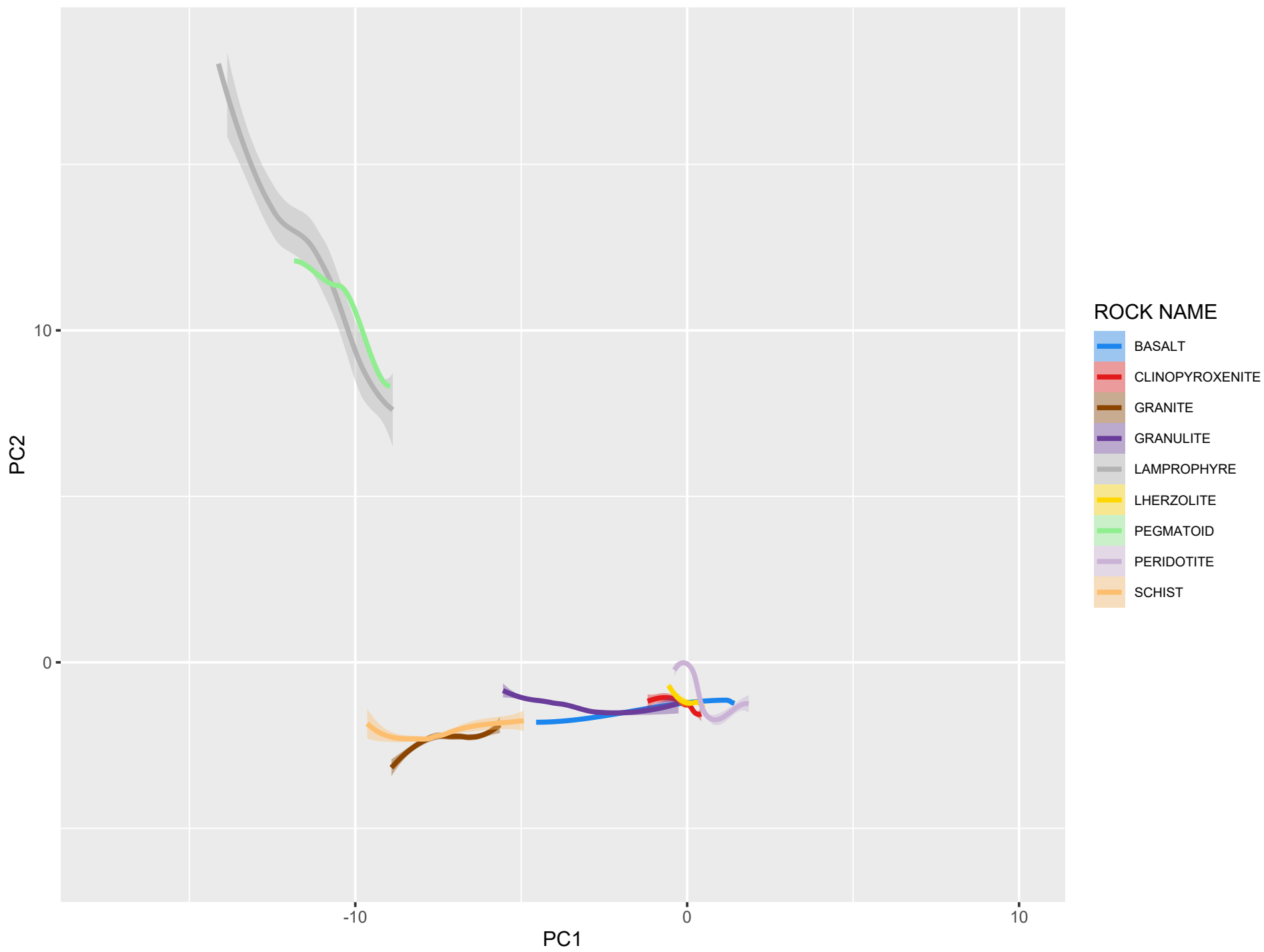
Garnet Classification by Rock type
PCA plot for selected rocks

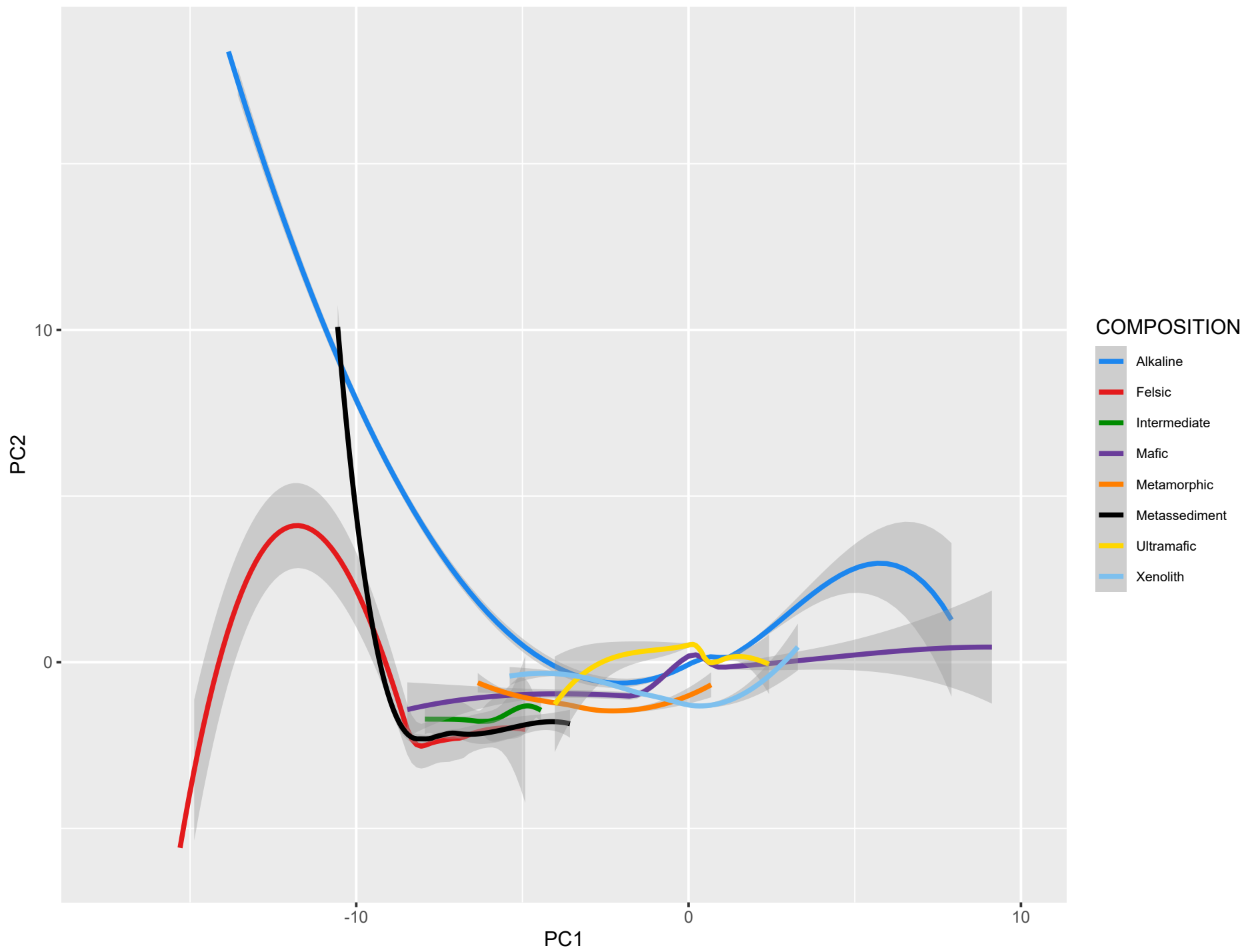# Garnet Classification by Rock type
PCA trend line for selected rocks

ROCK NAME
- BASALT
- CLINOPYROXENITE
- GRANITE
- GRANULITE
- LAMPROPHYRE
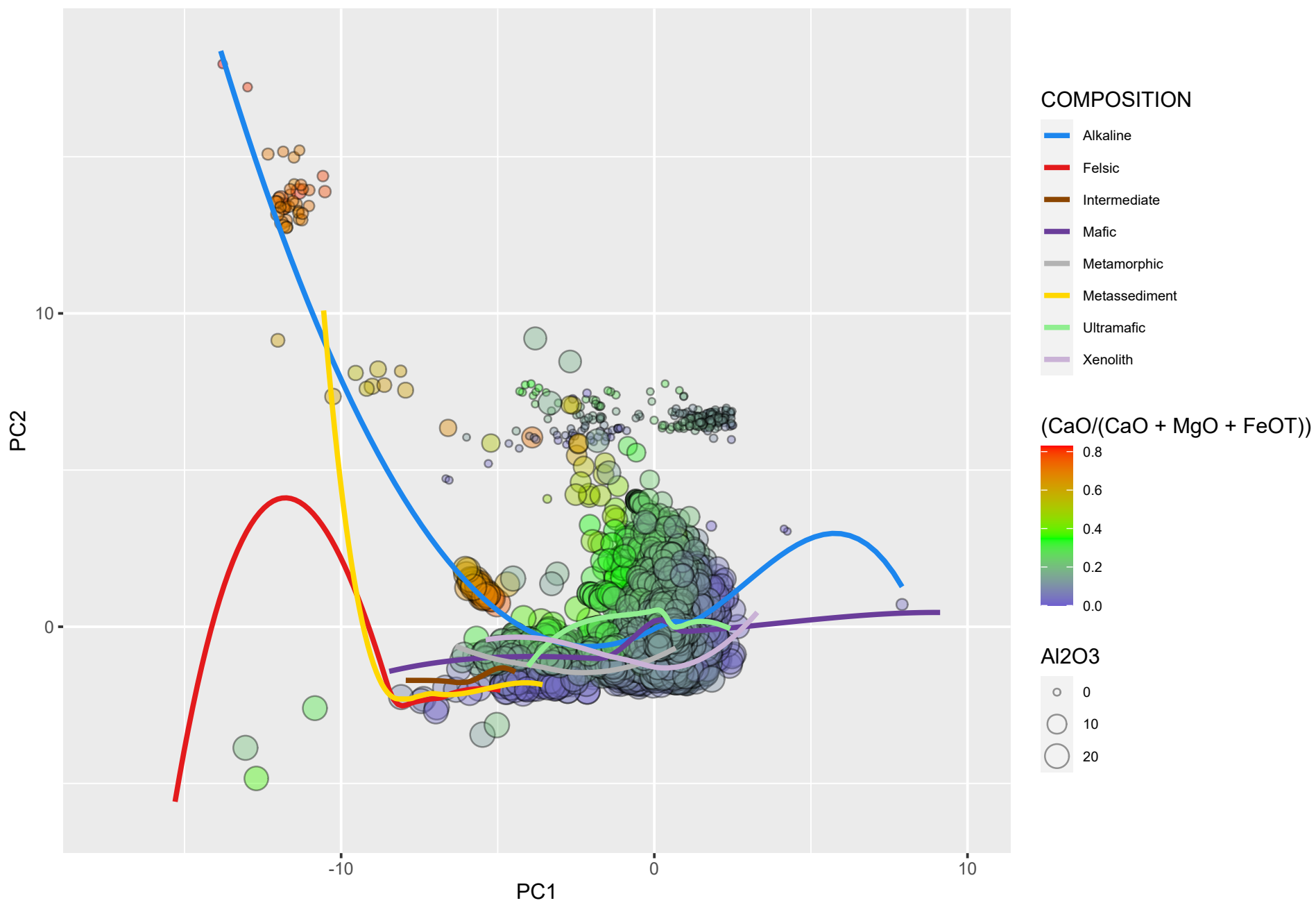- LHERZOLITE
- PEGMATOID
- PERIDOTITE
- SCHIST

Garnet Classification by Rock type
PCA trend line for selected rocks

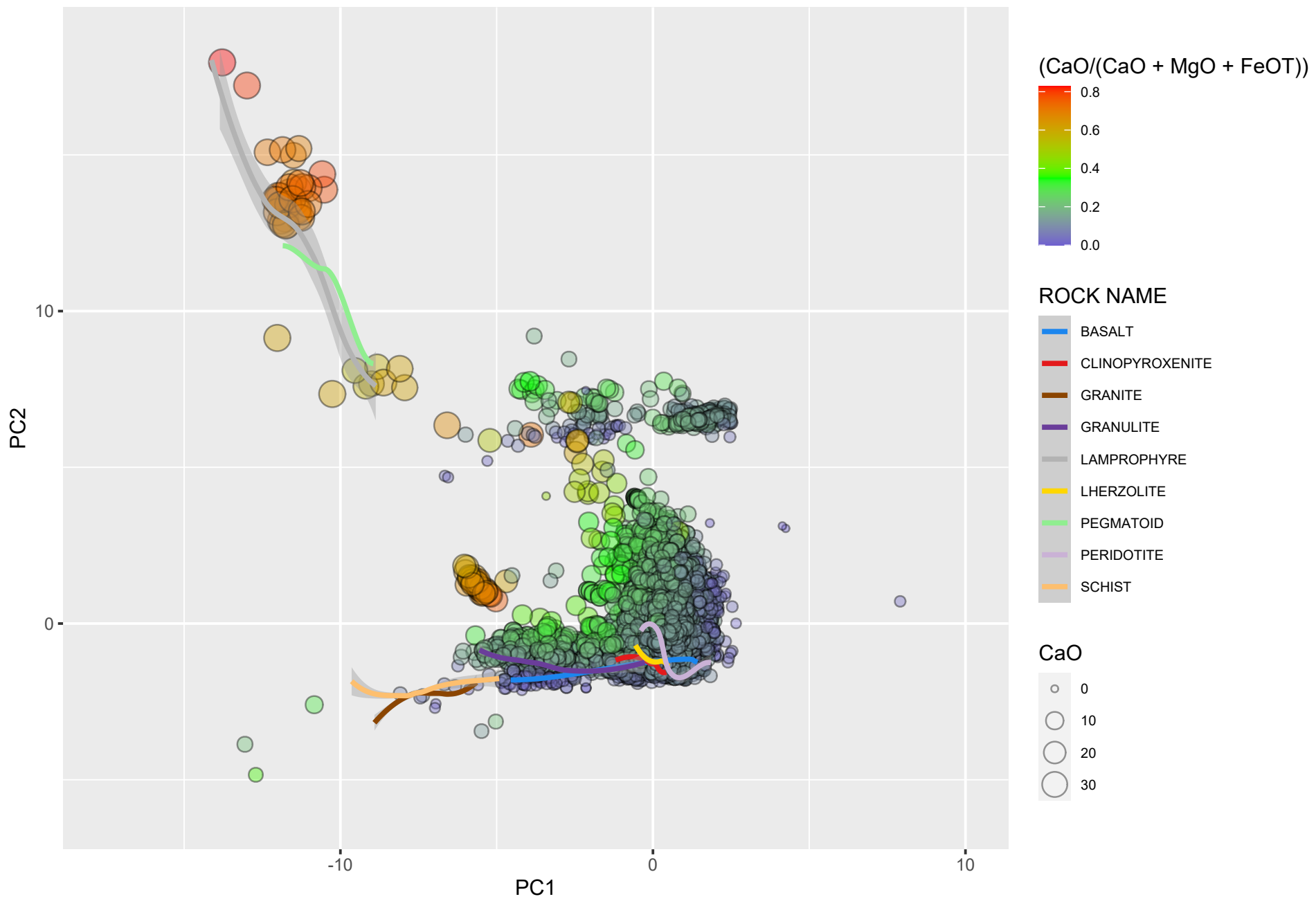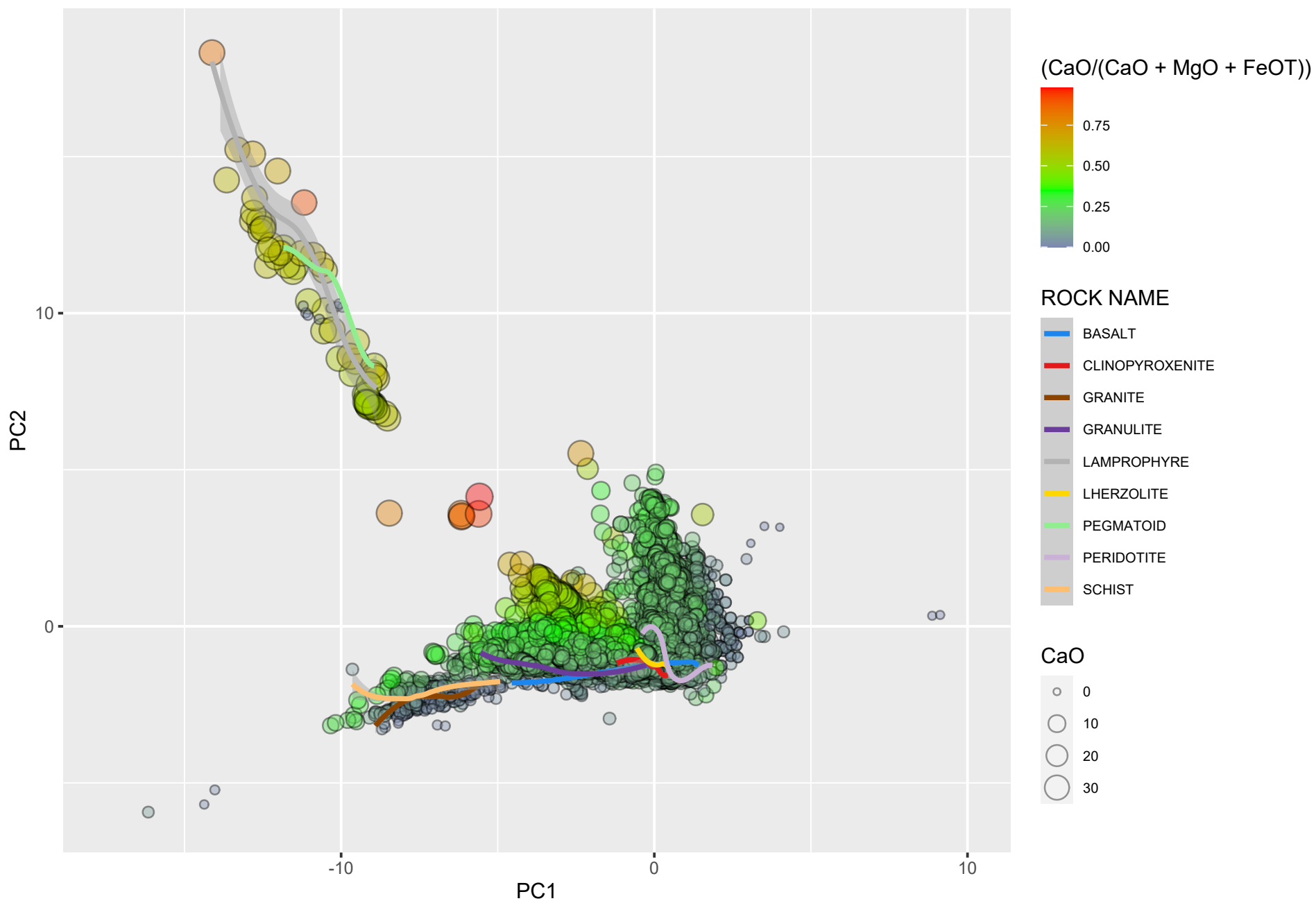Garnet found in Kimberlites

Crustal Inheritance or Mantelic Source?

Garnet found in Kimberlites
Crustal Inheritance or Mantelic Source?

(CaO/(CaO + MgO + FeOT))
0.8
0.6
0.4
0.2
0.0

ROCK NAME
BASALT
CLINOPYROXENITE
GRANITE
GRANULITE
LAMPROPHYRE
LHERZOLITE
PEGMATOID
PERIDOTITE
SCHIST

CaO
0
10
20
30

Garnet found in non-Kimberlites

PCA trend line for selected rocks

Garnet found in non-Kimberlites

PCA trend line for selected rocks. Circles colored by rock type