130°E
132°E
34°N
32°N
N
Quaternary sediments
Aso Ignimbrites
Pliocene to Quaternary volcanic rocks
Miocene igneous rocks
Basement rocks
Graben
Volcanic front
Active volcanoes
Volcanoes
Caldera rim
Cities
Himeshima
Fukuoka
Futago
Yufu
Tsurumi
Saga
Oita
Kuju
Aso Caldera
Aso
Beppu-Shimabara graben
Unzen
Kumamoto
Kyushu
Fig.1
0 10 20 30 40
kilometers