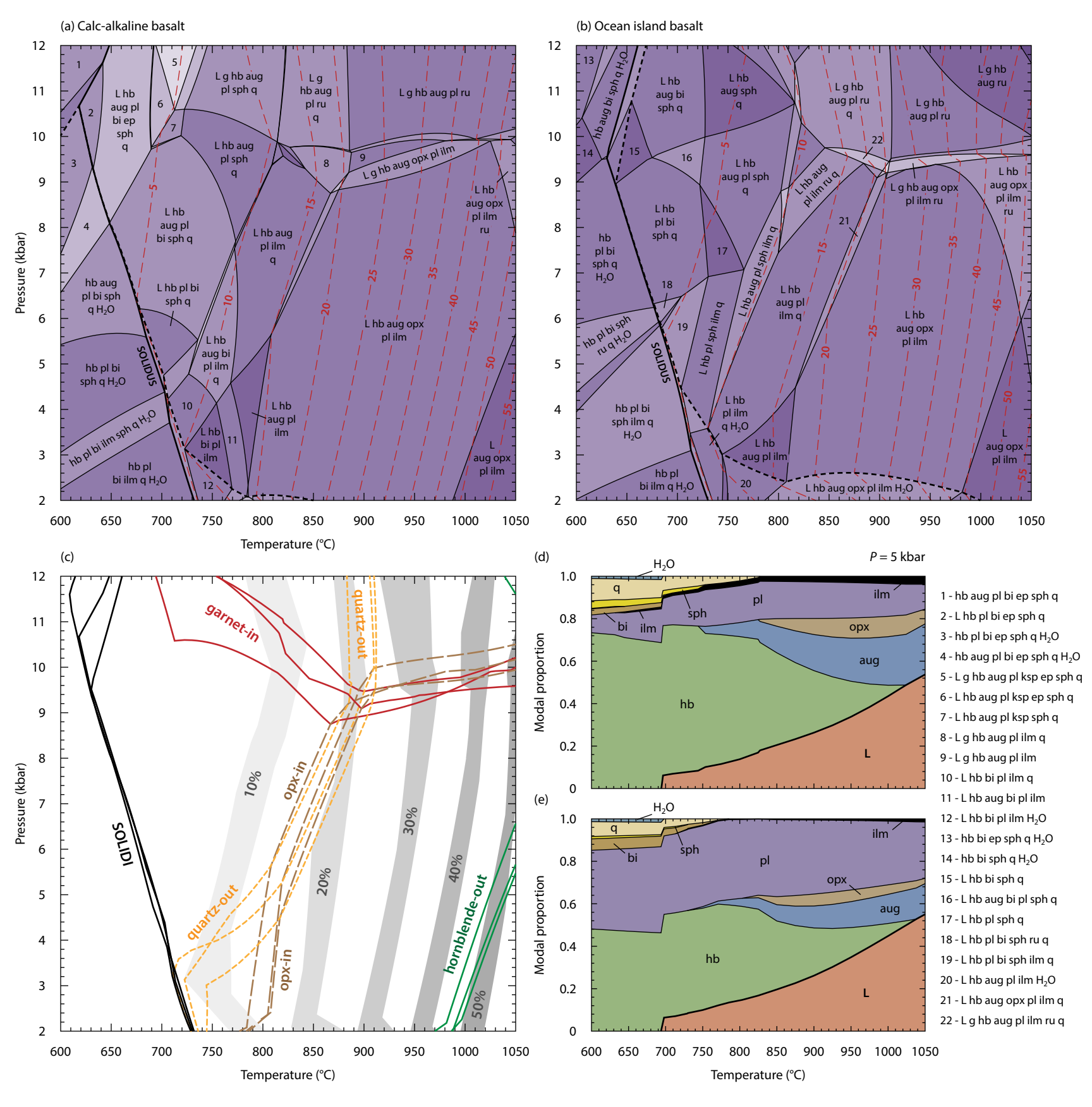
(a) Calc-alkaline basalt
(b) Ocean island basalt
(c)
(d)
(e)
Pressure (kbar)
Temperature (°C)
Modal proportion
P = 5 kbar
SOLIDUS
SOLIDI
garnet-in
quartz-out
opx-in
hornblende-out
10%
20%
30%
40%
50%
1 - hb aug pl bi ep sph q
2 - L hb pl bi ep sph q
3 - hb pl bi ep sph q H2O
4 - hb aug pl bi ep sph q H2O
5 - L g hb aug pl ksp ep sph q
6 - L hb aug pl ksp ep sph q
7 - L hb aug pl ksp sph q
8 - L g hb aug pl ilm q
9 - L g hb aug pl ilm
10 - L hb bi pl ilm q
11 - L hb aug bi pl ilm
12 - L hb bi pl ilm H2O
13 - hb bi ep sph q H2O
14 - hb bi sph q H2O
15 - L hb bi sph q
16 - L hb aug bi pl sph q
17 - L hb pl sph q
18 - L hb pl bi sph ru q
19 - L hb pl bi sph ilm q
20 - L hb aug pl ilm H2O
21 - L hb aug opx pl ilm q
22 - L g hb aug pl ilm ru q