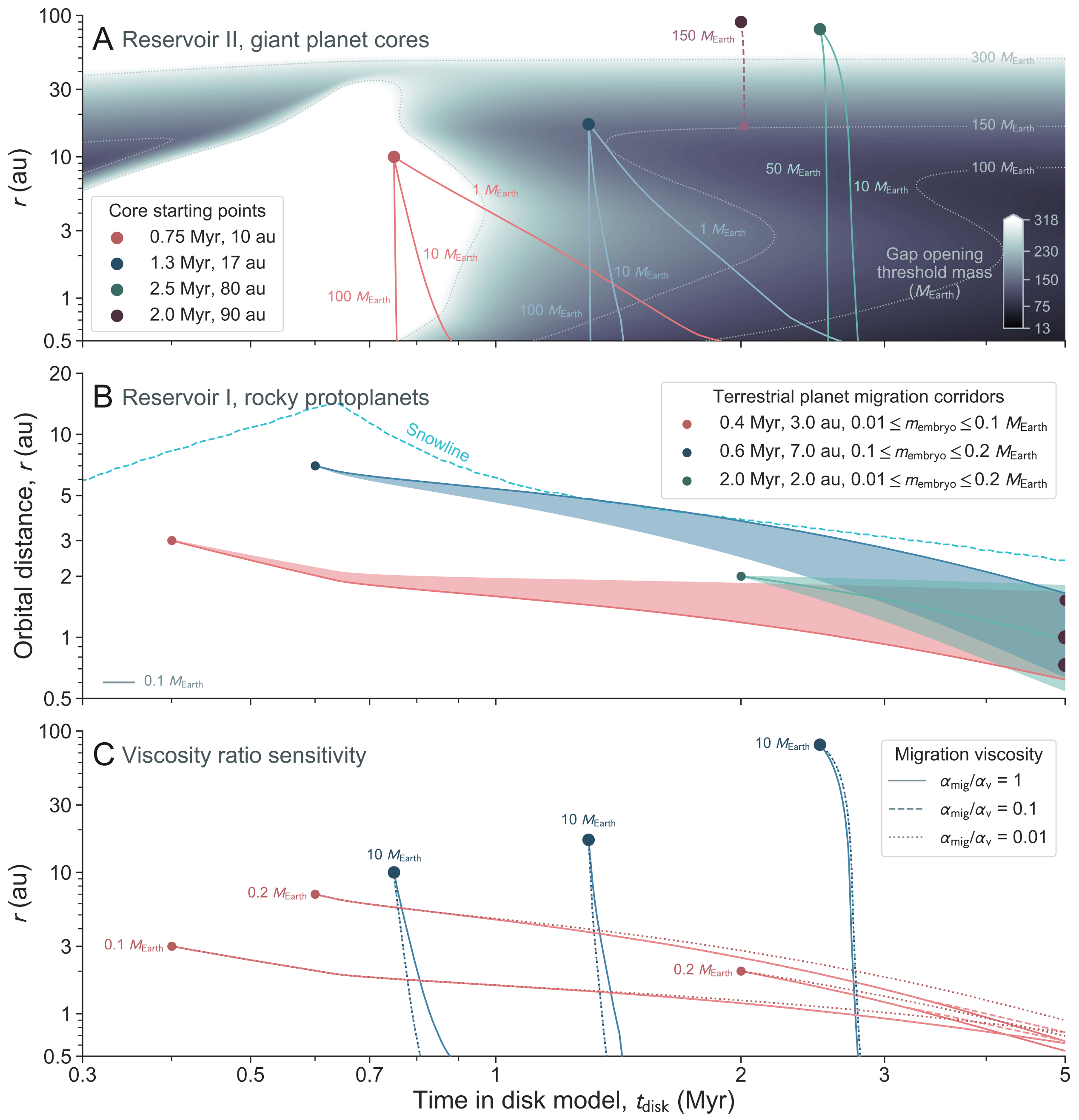
A Reservoir II, giant planet cores
Core starting points
0.75 Myr, 10 au
1.3 Myr, 17 au
2.5 Myr, 80 au
2.0 Myr, 90 au
150 M_{Earth}
300 M_{Earth}
150 M_{Earth}
100 M_{Earth}
50 M_{Earth}
10 M_{Earth}
1 M_{Earth}
10 M_{Earth}
100 M_{Earth}
1 M_{Earth}
10 M_{Earth}
100 M_{Earth}
Gap opening threshold mass (M_{Earth})
318
230
150
75
13
r (au)
B Reservoir I, rocky protoplanets
Snowline
Terrestrial planet migration corridors
0.4 Myr, 3.0 au, $0.01 \leq m_{embryo} \leq 0.1$ M_{Earth}
0.6 Myr, 7.0 au, $0.1 \leq m_{embryo} \leq 0.2$ M_{Earth}
2.0 Myr, 2.0 au, $0.01 \leq m_{embryo} \leq 0.2$ M_{Earth}
0.1 M_{Earth}
Orbital distance, r (au)
C Viscosity ratio sensitivity
Migration viscosity
$\alpha_{mig}/\alpha_v = 1$
$\alpha_{mig}/\alpha_v = 0.1$
$\alpha_{mig}/\alpha_v = 0.01$
10 M_{Earth}
10 M_{Earth}
10 M_{Earth}
0.2 M_{Earth}
0.1 M_{Earth}
0.2 M_{Earth}
r (au)
Time in disk model, t_{disk} (Myr)