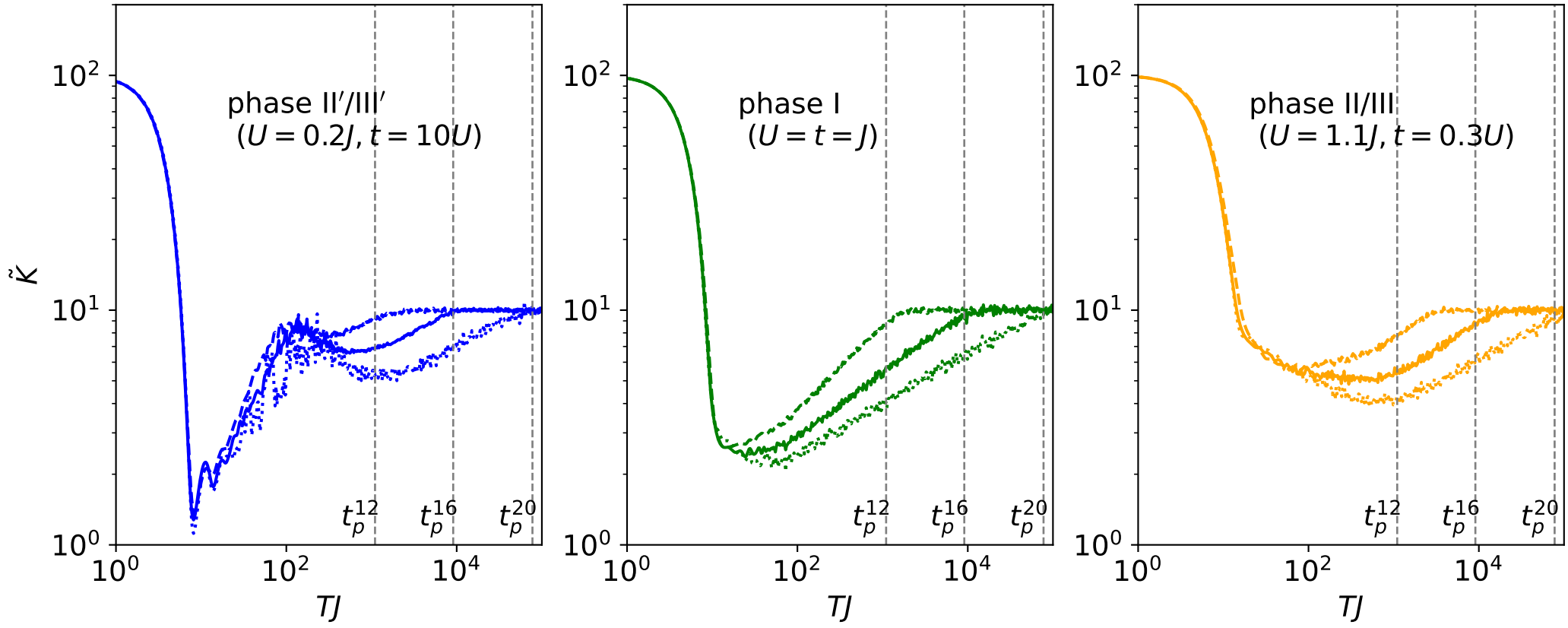
phase II′/III′
($U = 0.2J, t = 10U$)
phase I
($U = t = J$)
phase II/III
($U = 1.1J, t = 0.3U$)
$\tilde{K}$
TJ
t_p^{12}
t_p^{16}
t_p^{20}
10^0
10^1
10^2
10^4