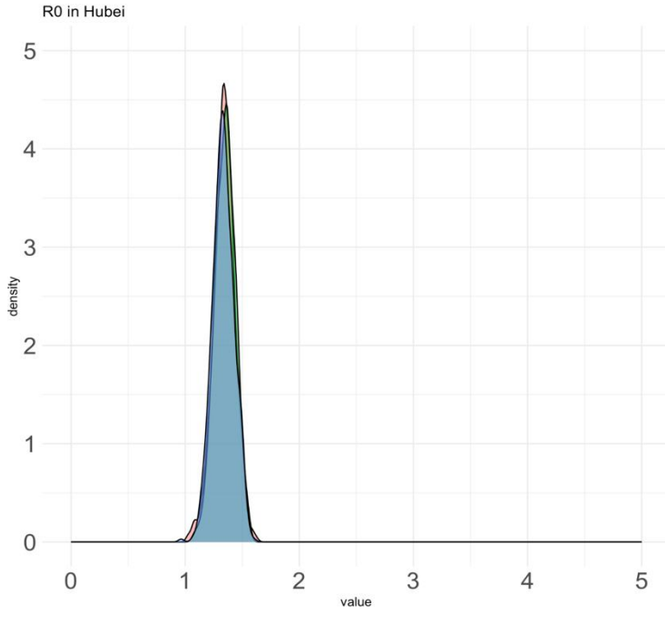
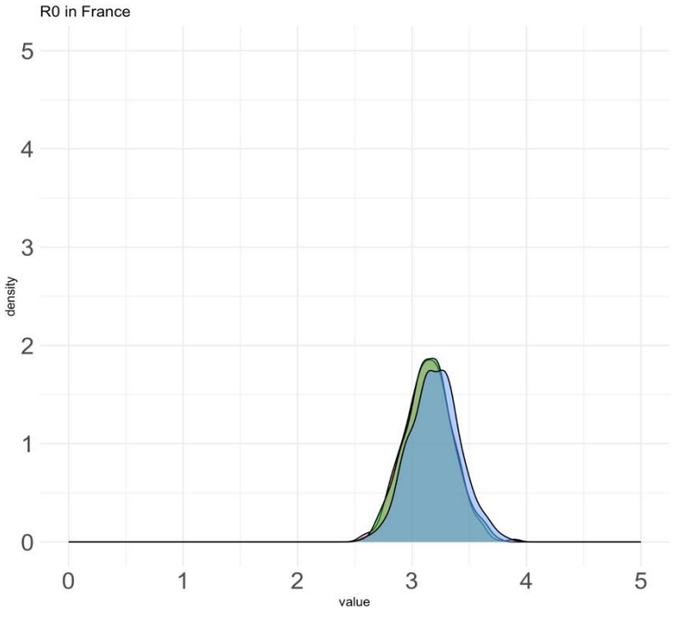
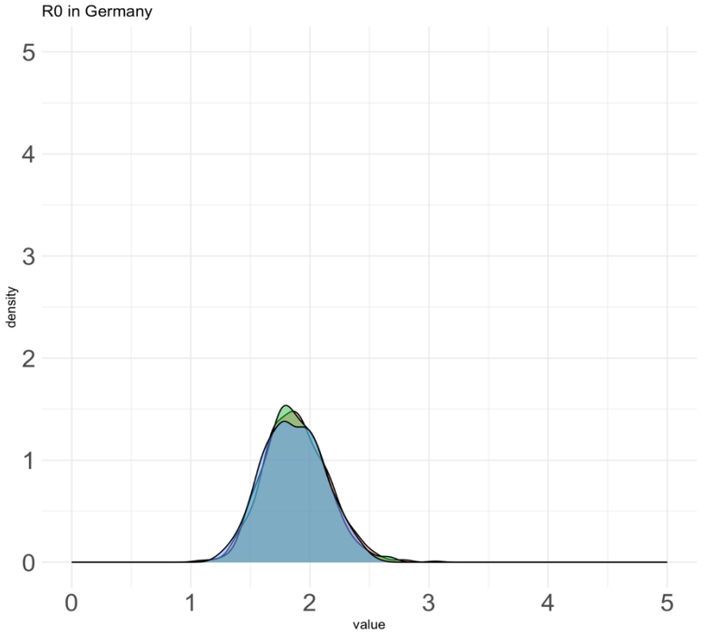
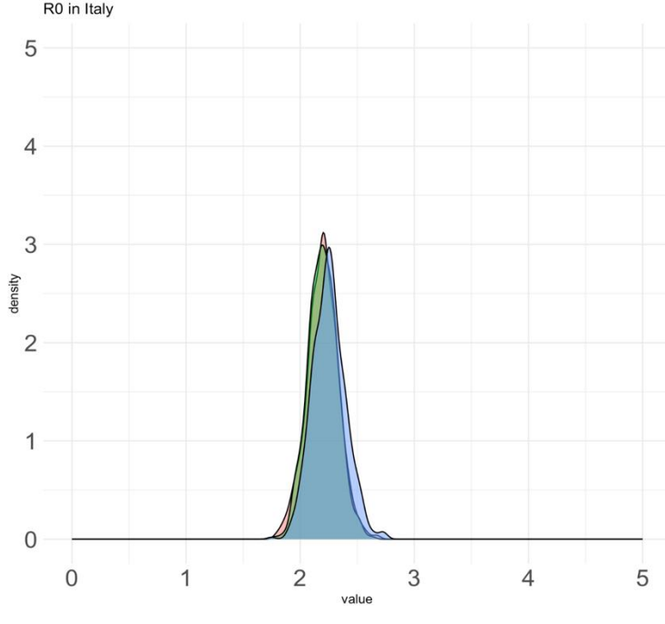
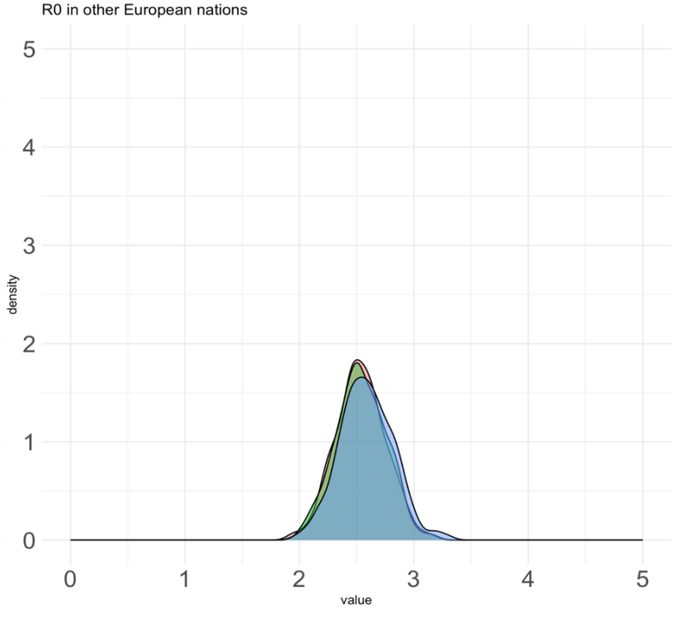
Equal rates model (new priors on sampling proportions and empirical priors)



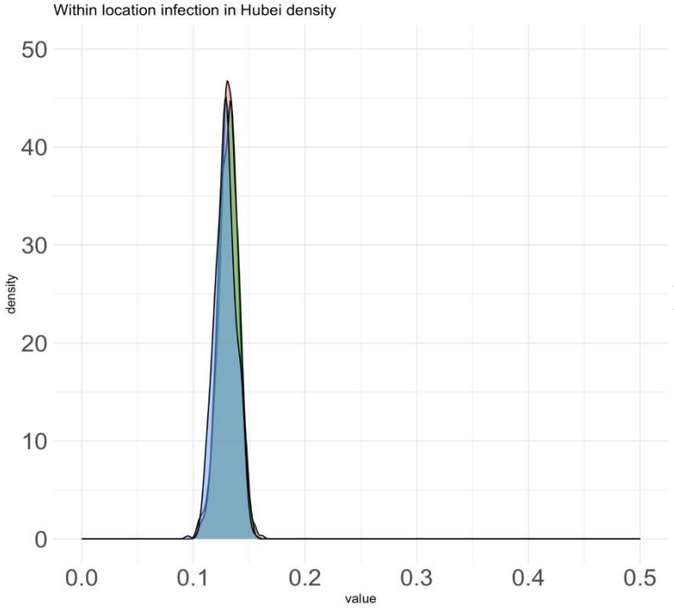


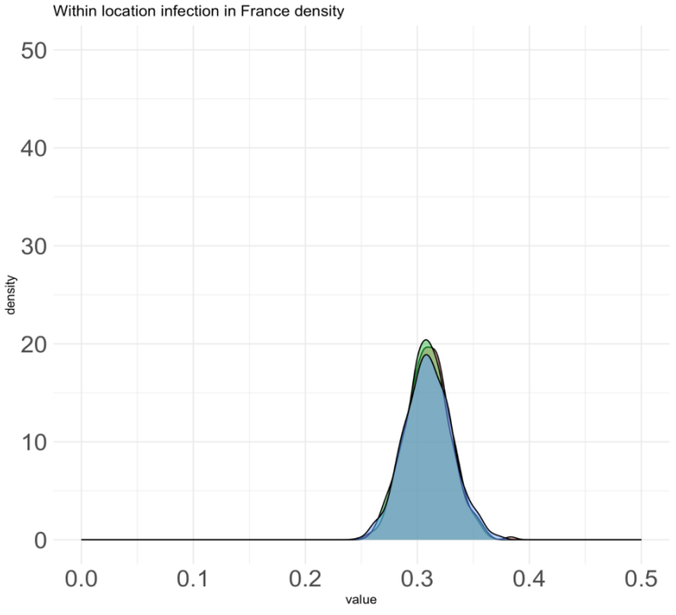


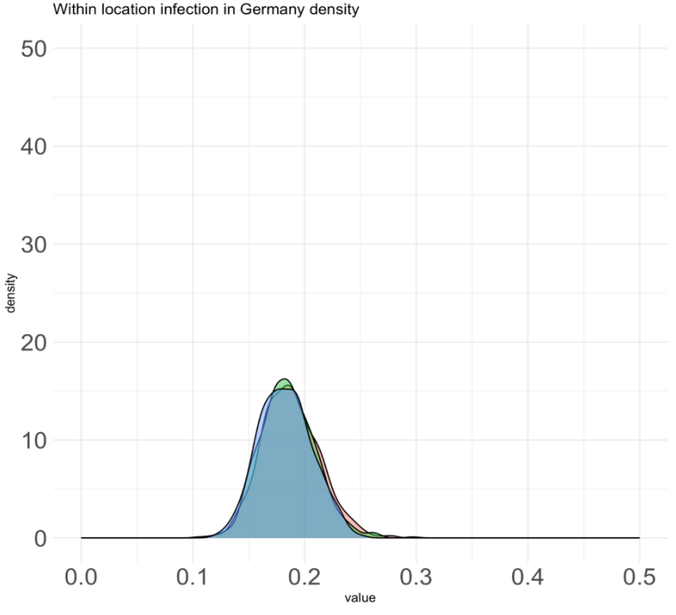


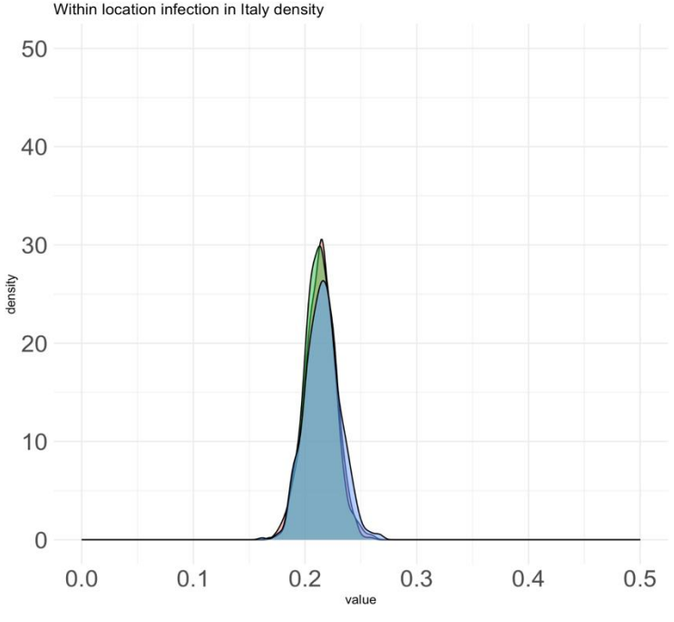


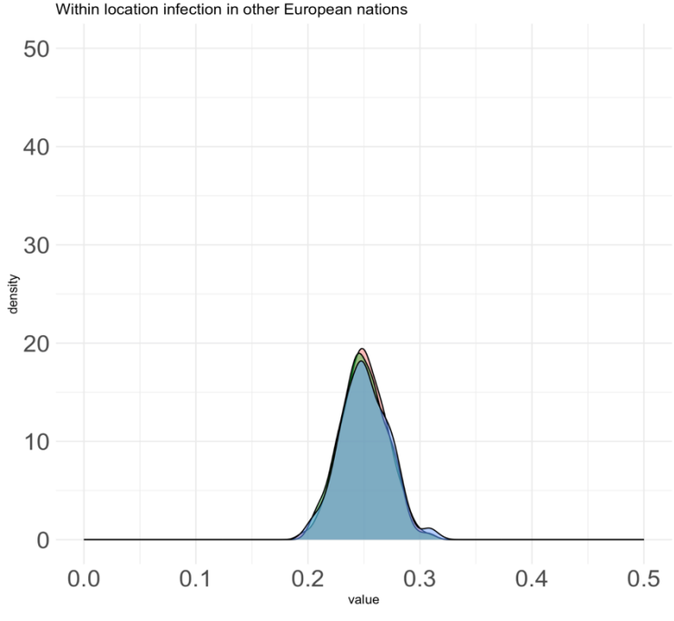
Equal rates model (new priors on sampling proportions and empirical priors)



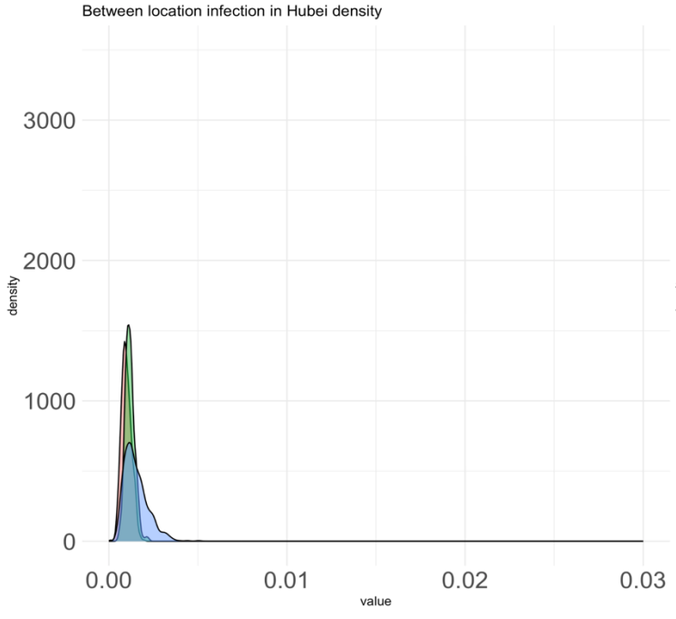


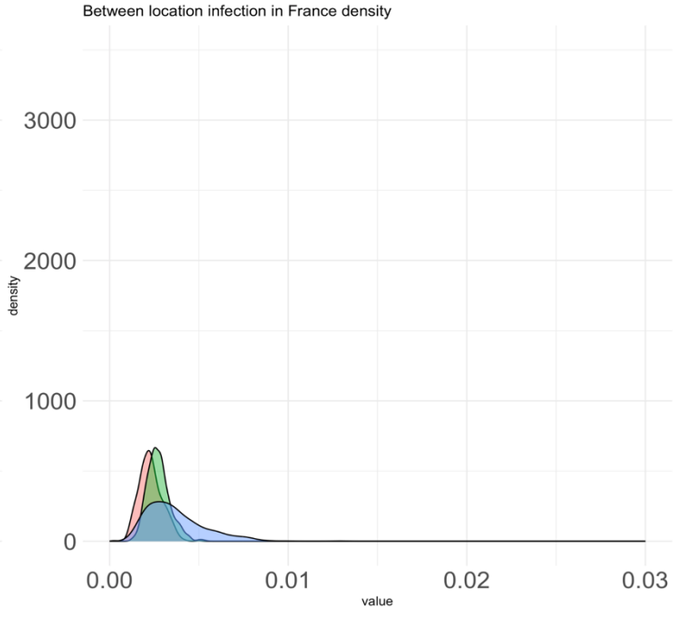


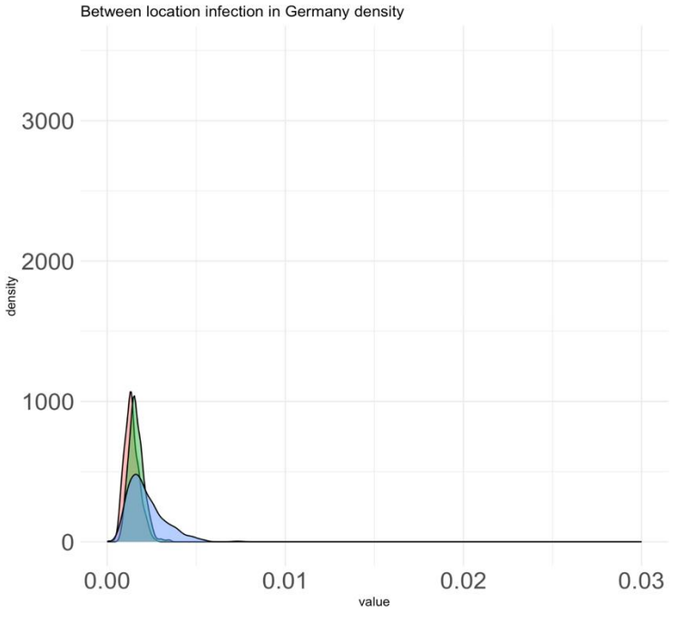


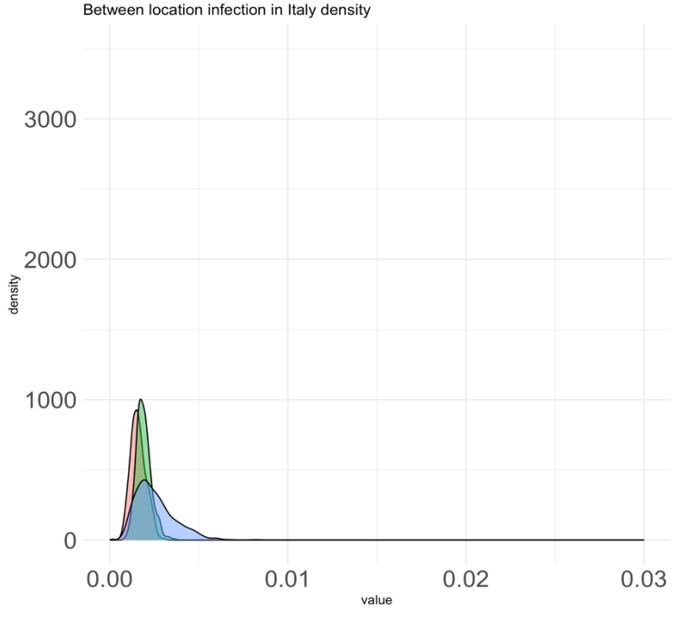


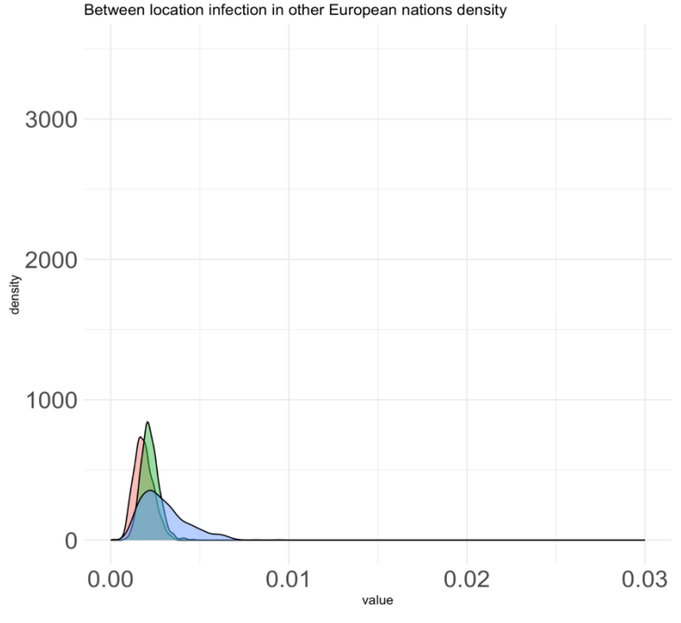
Equal rates model (new priors on sampling proportions and empirical priors)



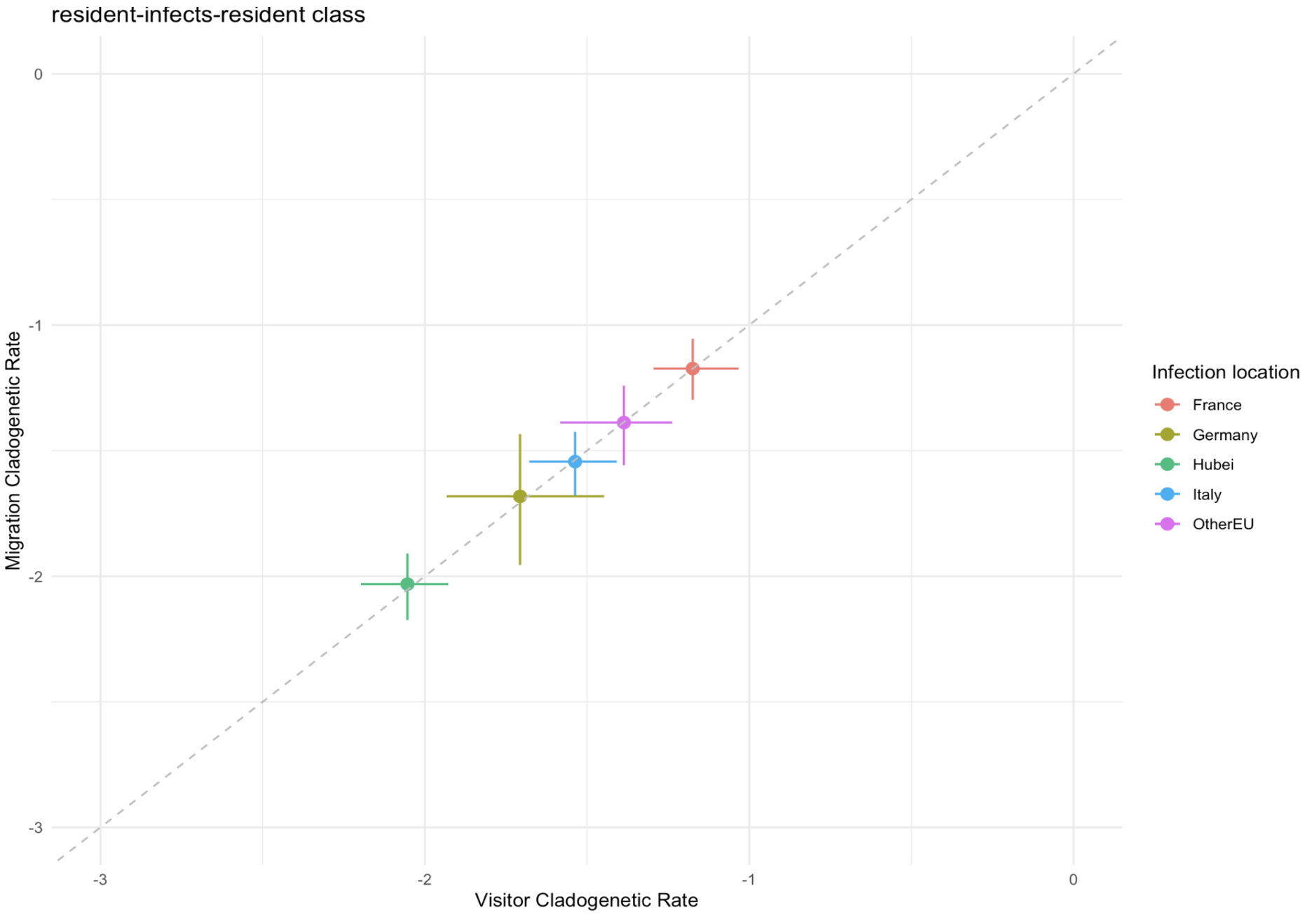




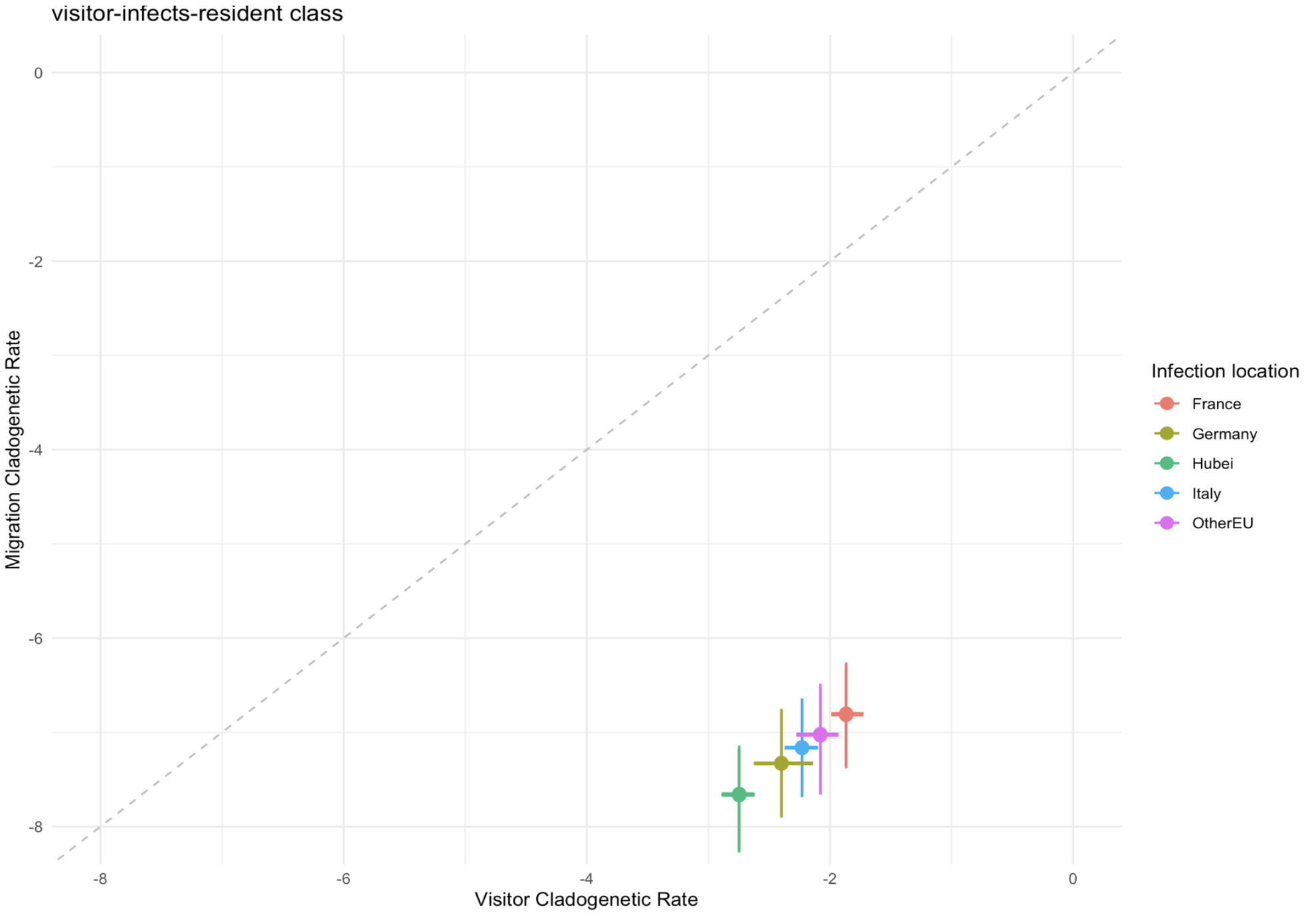




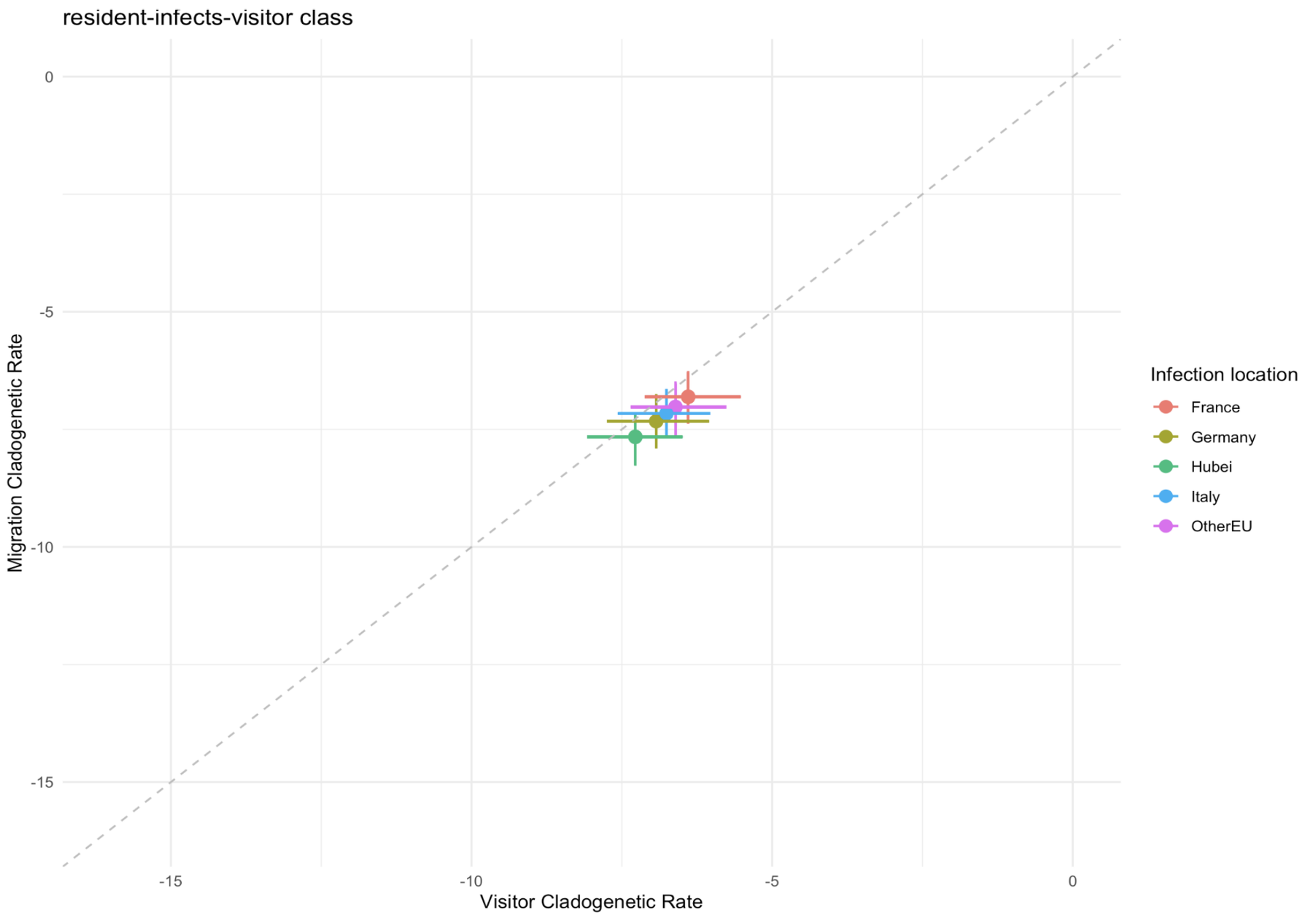
Equal rates model (new priors on sampling proportions and empirical priors)



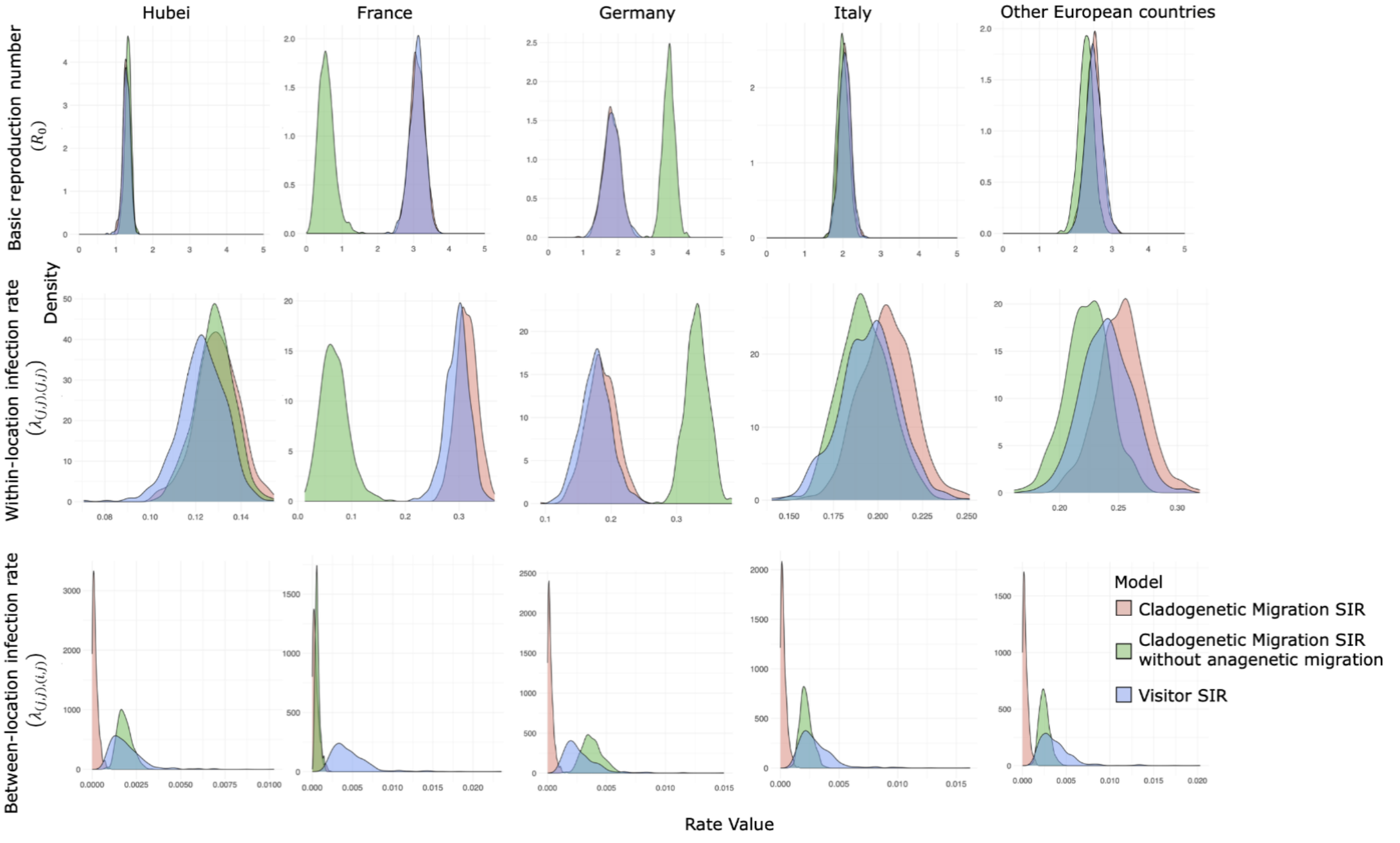
Equal rates model (new priors on sampling proportions and empirical priors)



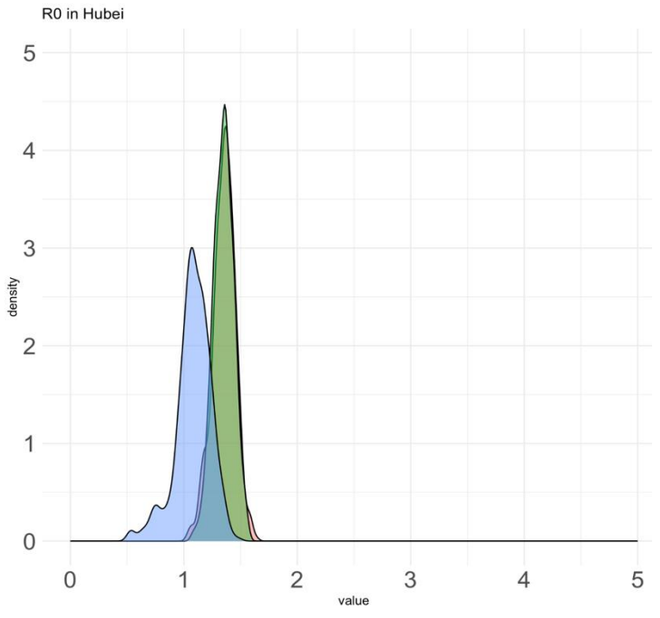
Equal rates model (new priors on sampling proportions and empirical priors)

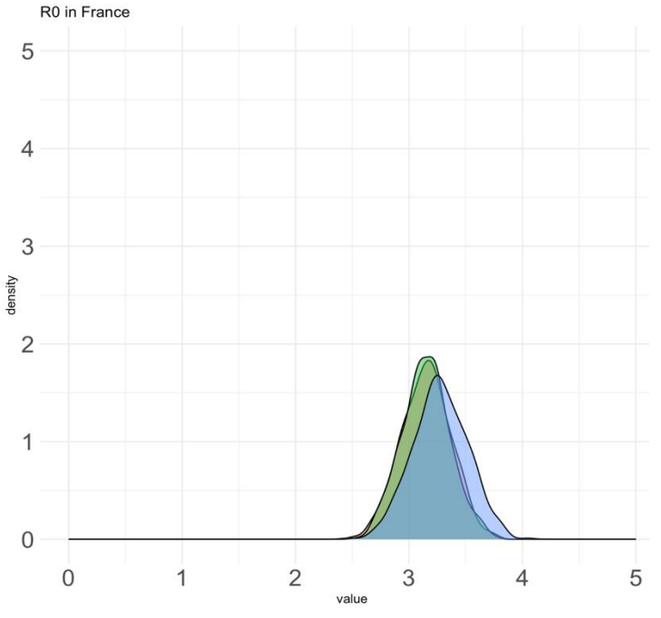


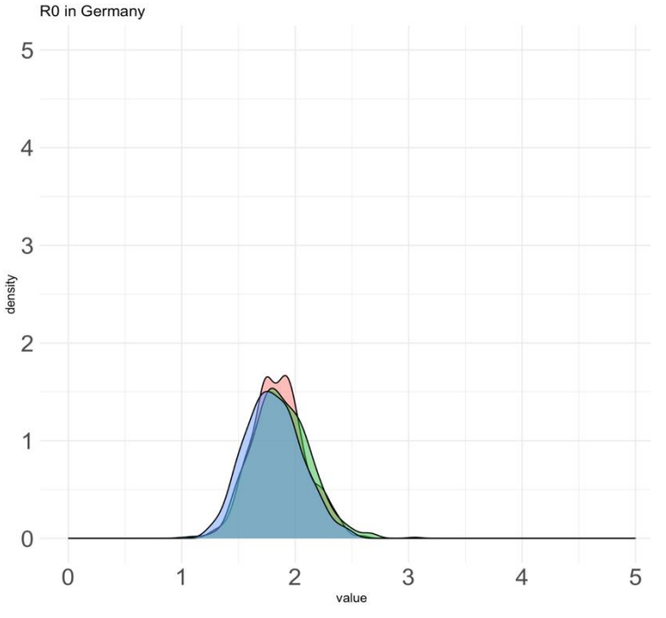
Equal rates model (priors on sampling rates and non-empirical priors)

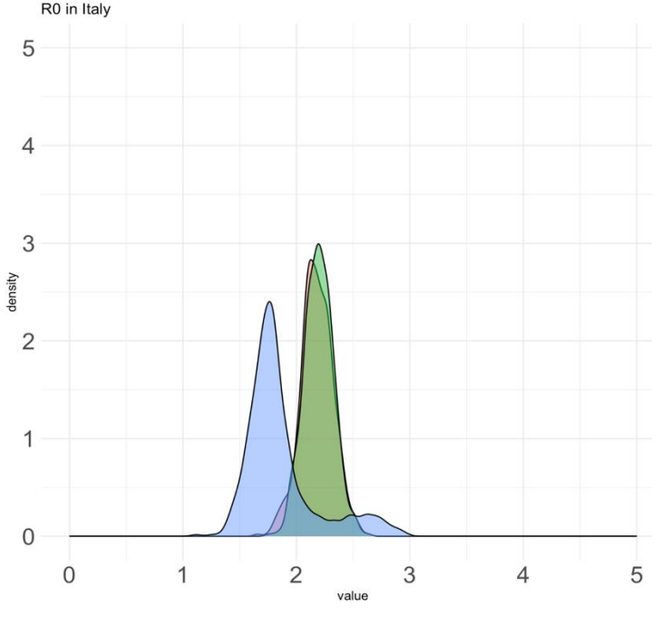


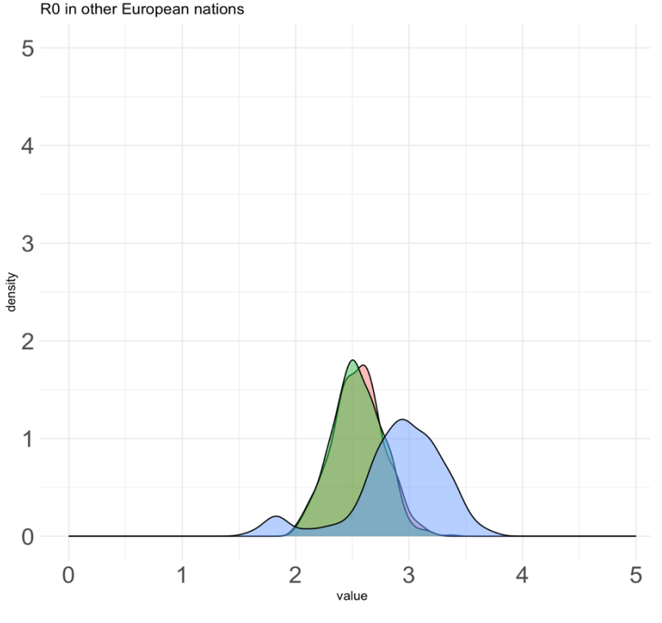
Unequal rates model (new priors on sampling proportions and empirical priors) – visitor has bad mixing problem



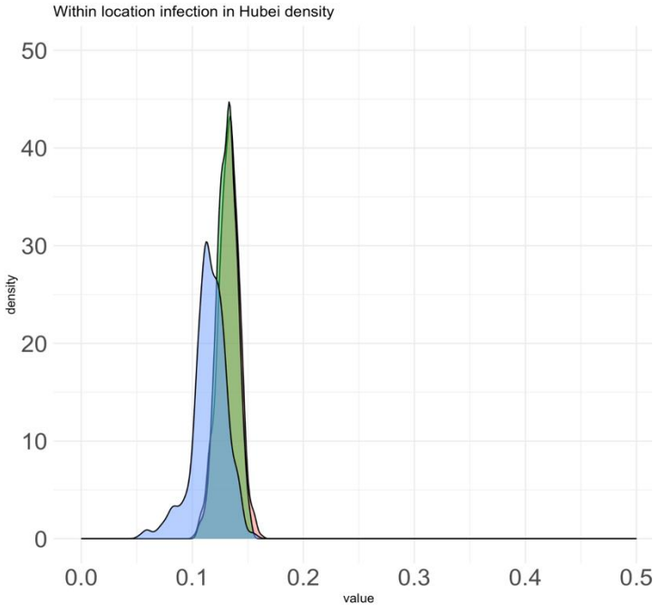


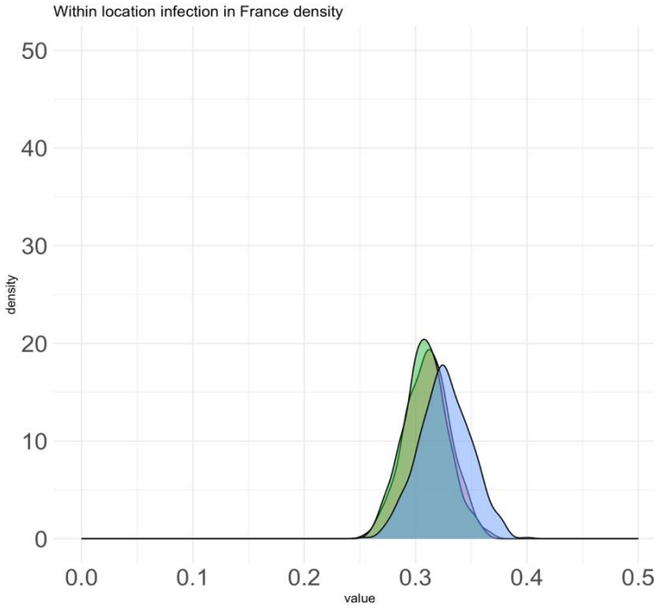


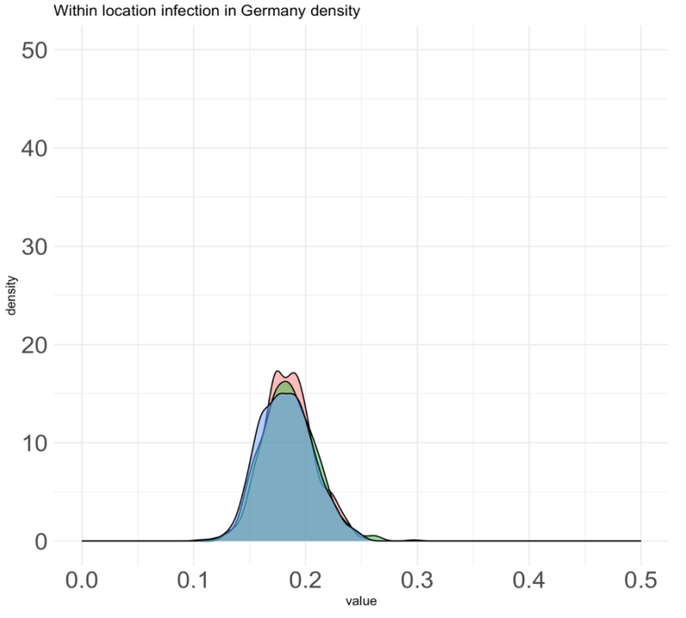


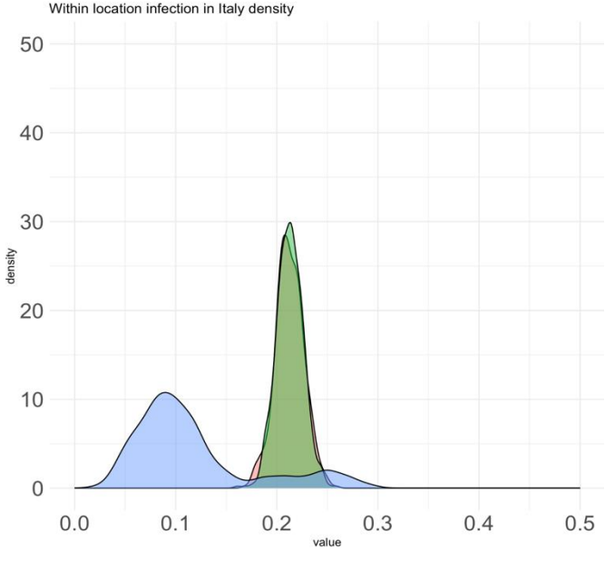


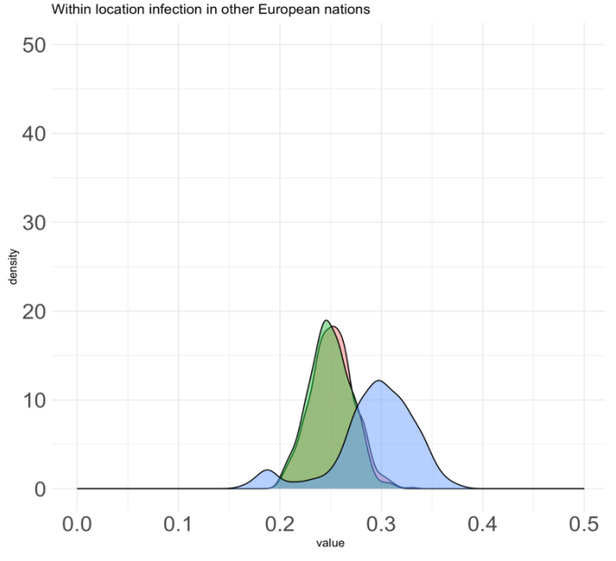
Unequal rates model (new priors on sampling proportions and empirical priors) – visitor has bad mixing problem



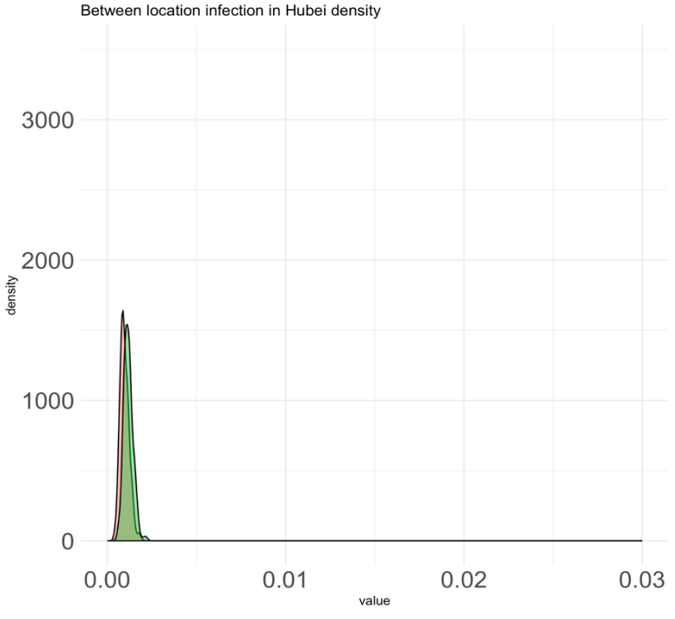


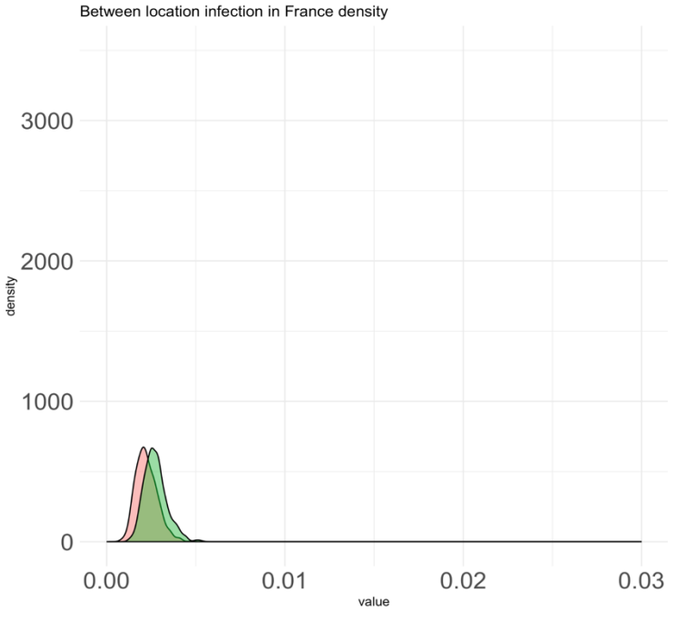


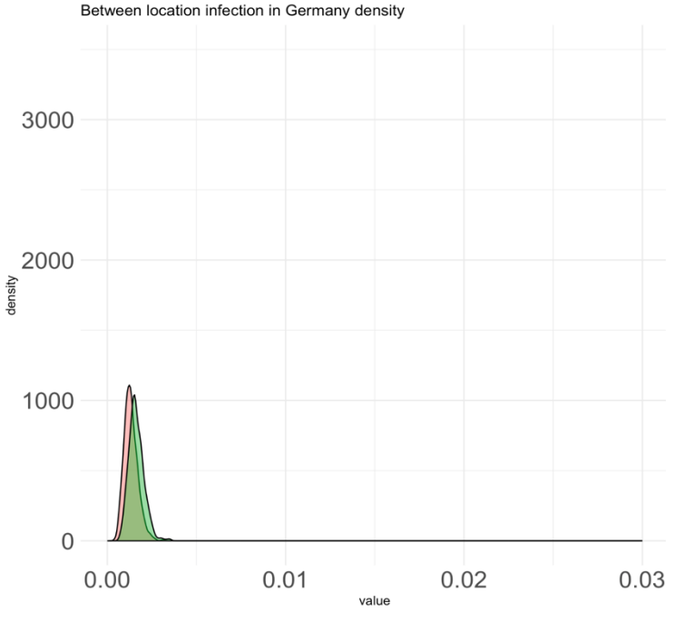


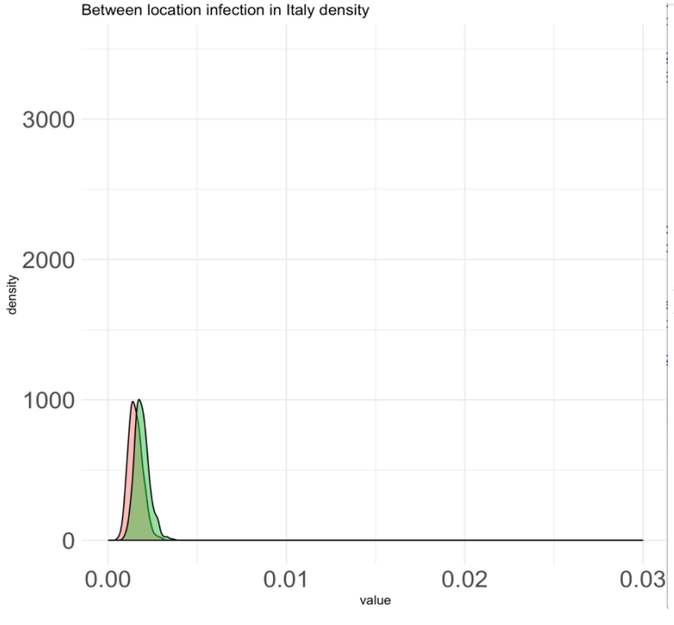


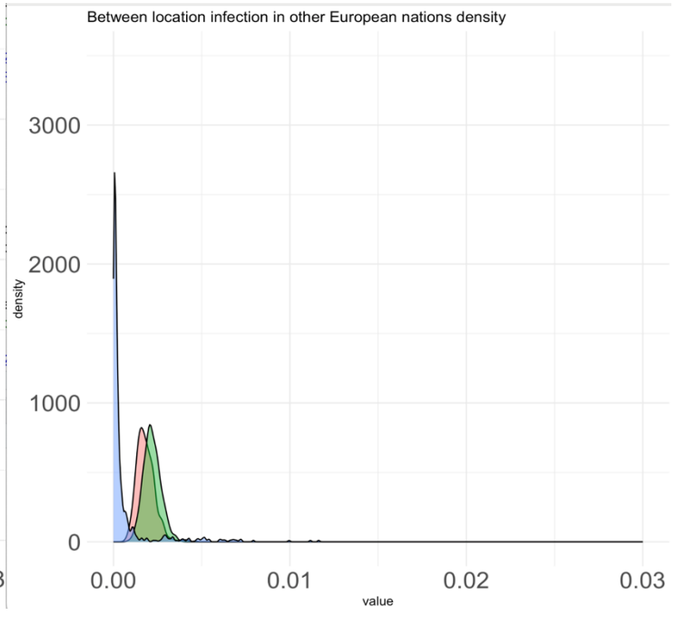
Unequal rates model (new priors on sampling proportions and empirical priors) – visitor has bad mixing problem



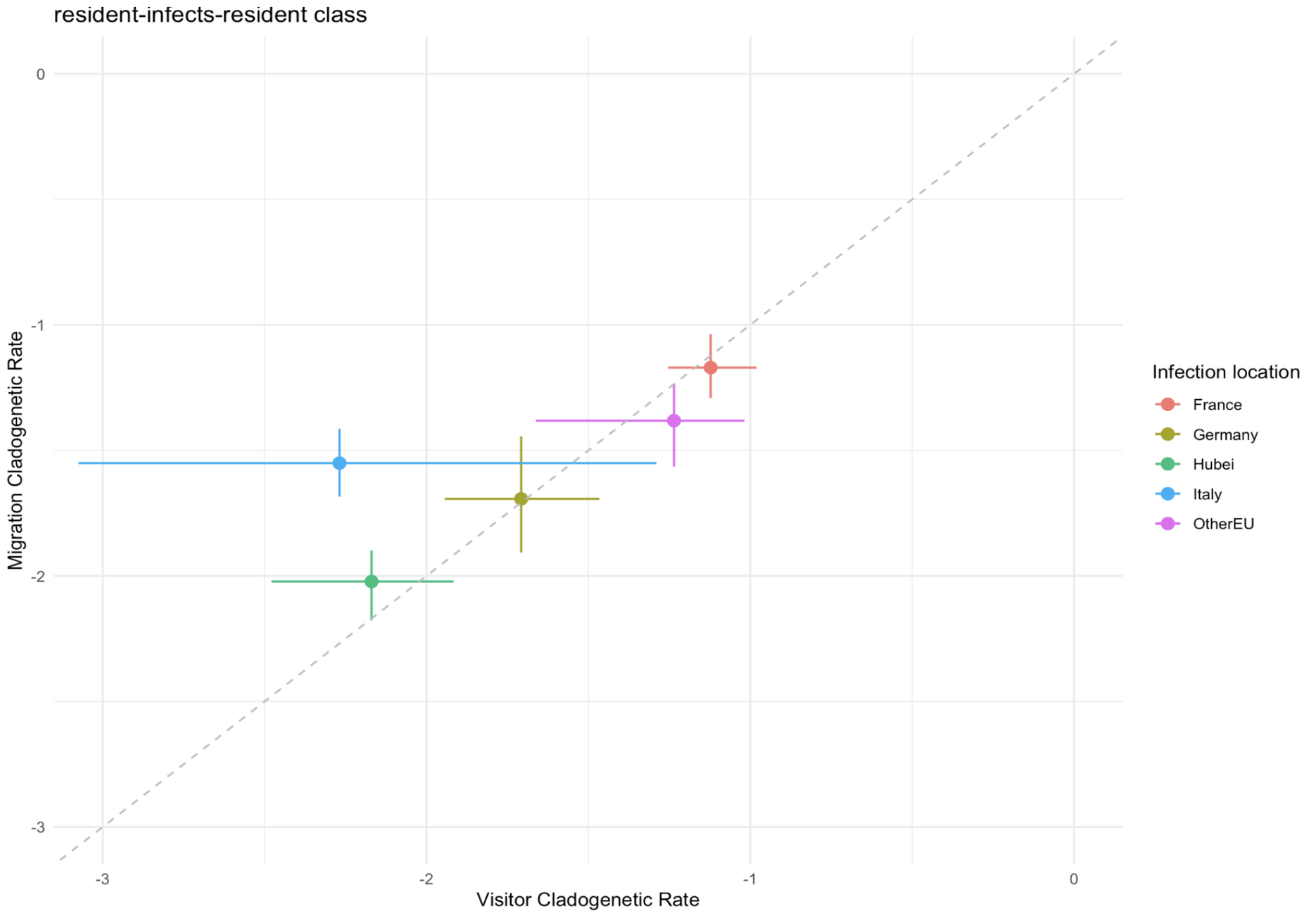




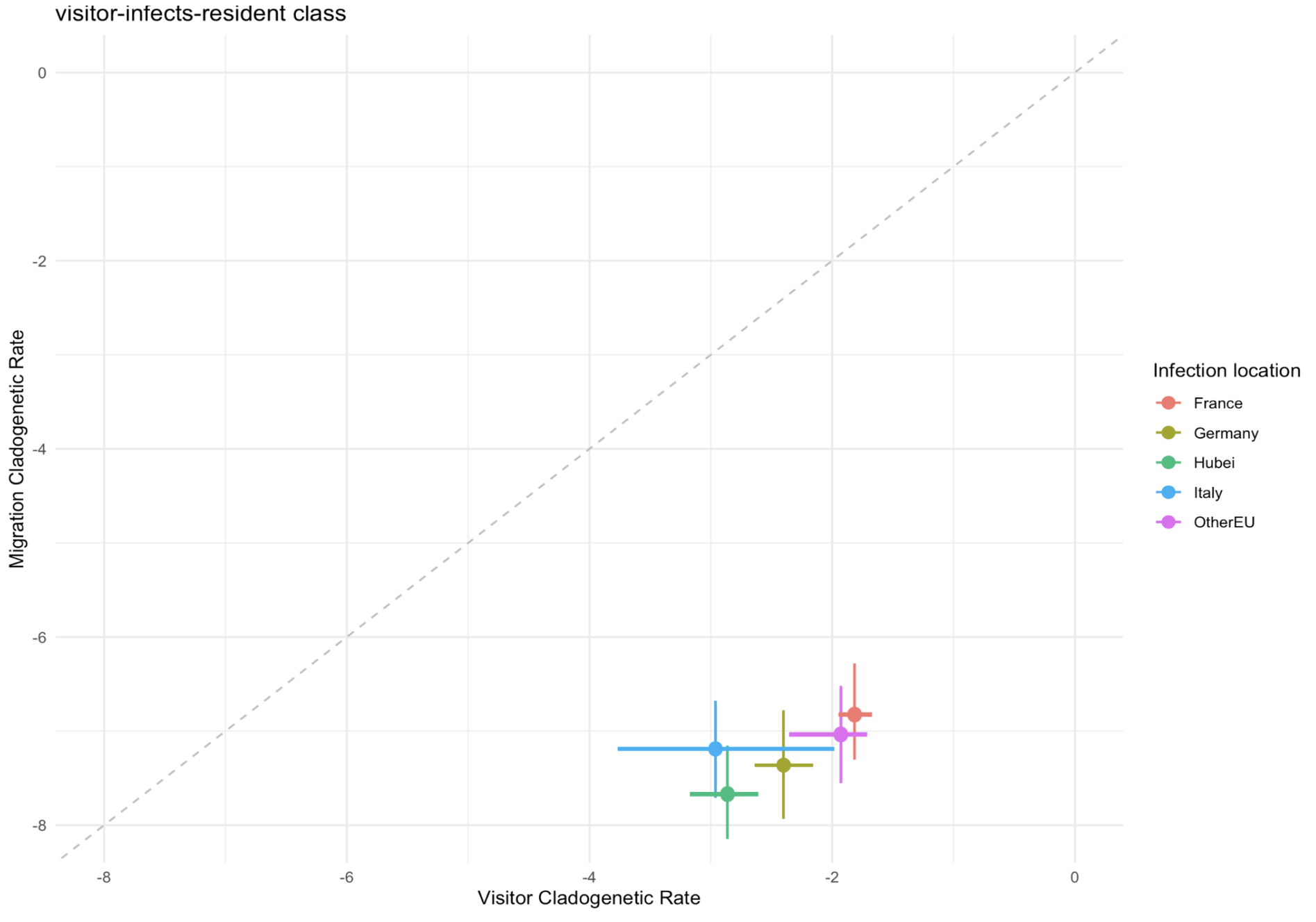




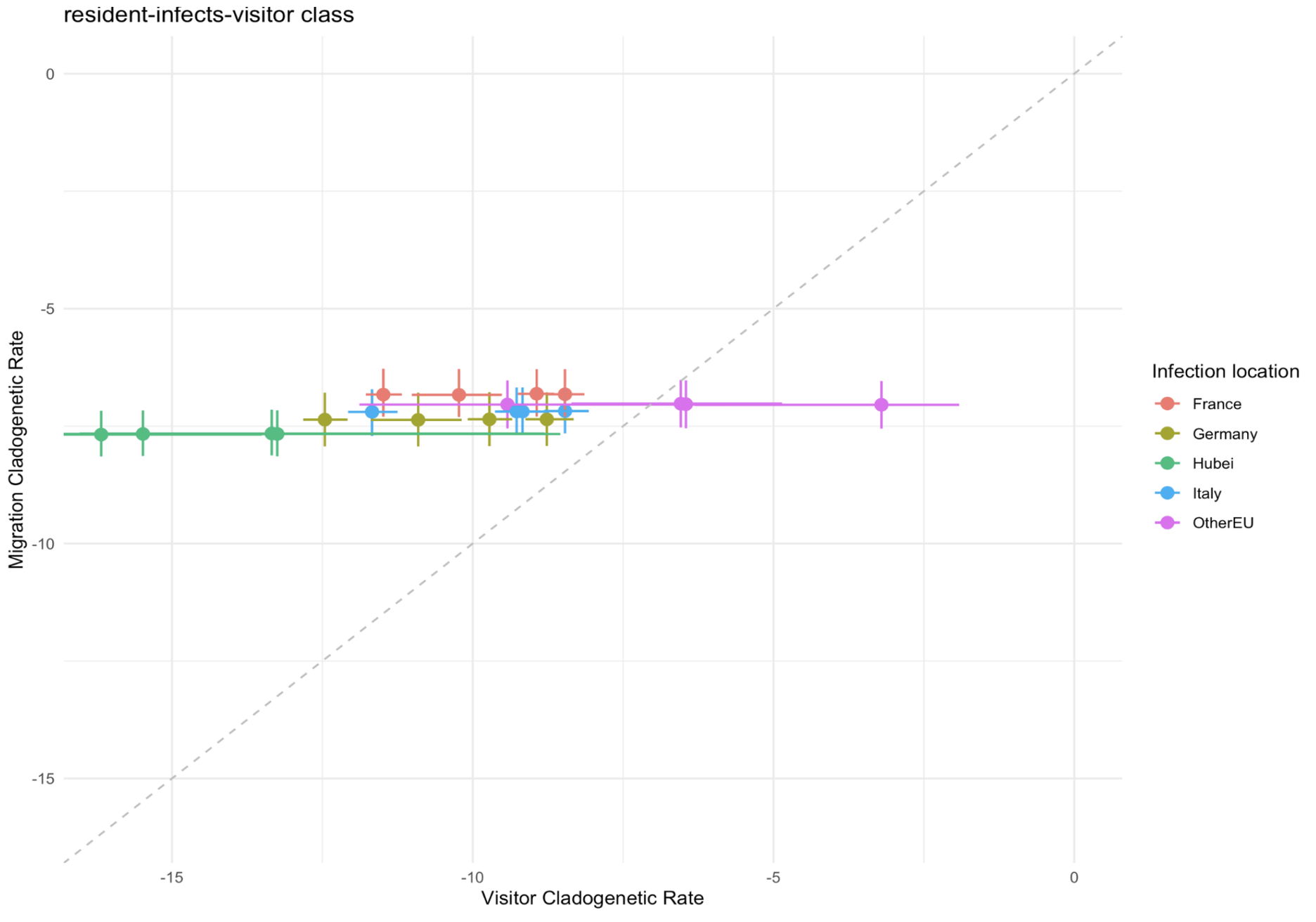
Unequal rates model (new priors on sampling proportions and empirical priors) – visitor has bad mixing problem



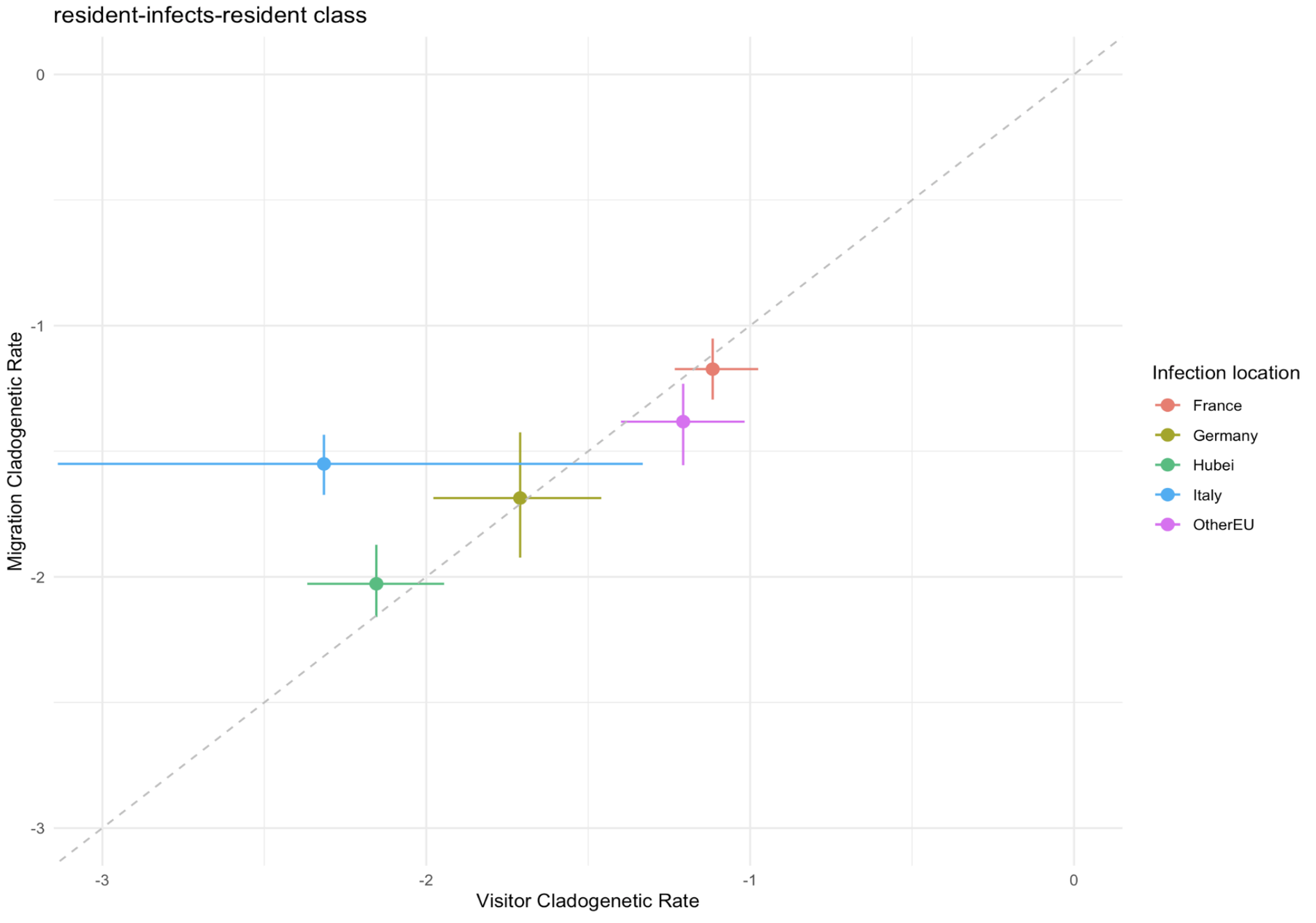
Unequal rates model (new priors on sampling proportions and empirical priors) – visitor has bad mixing problem



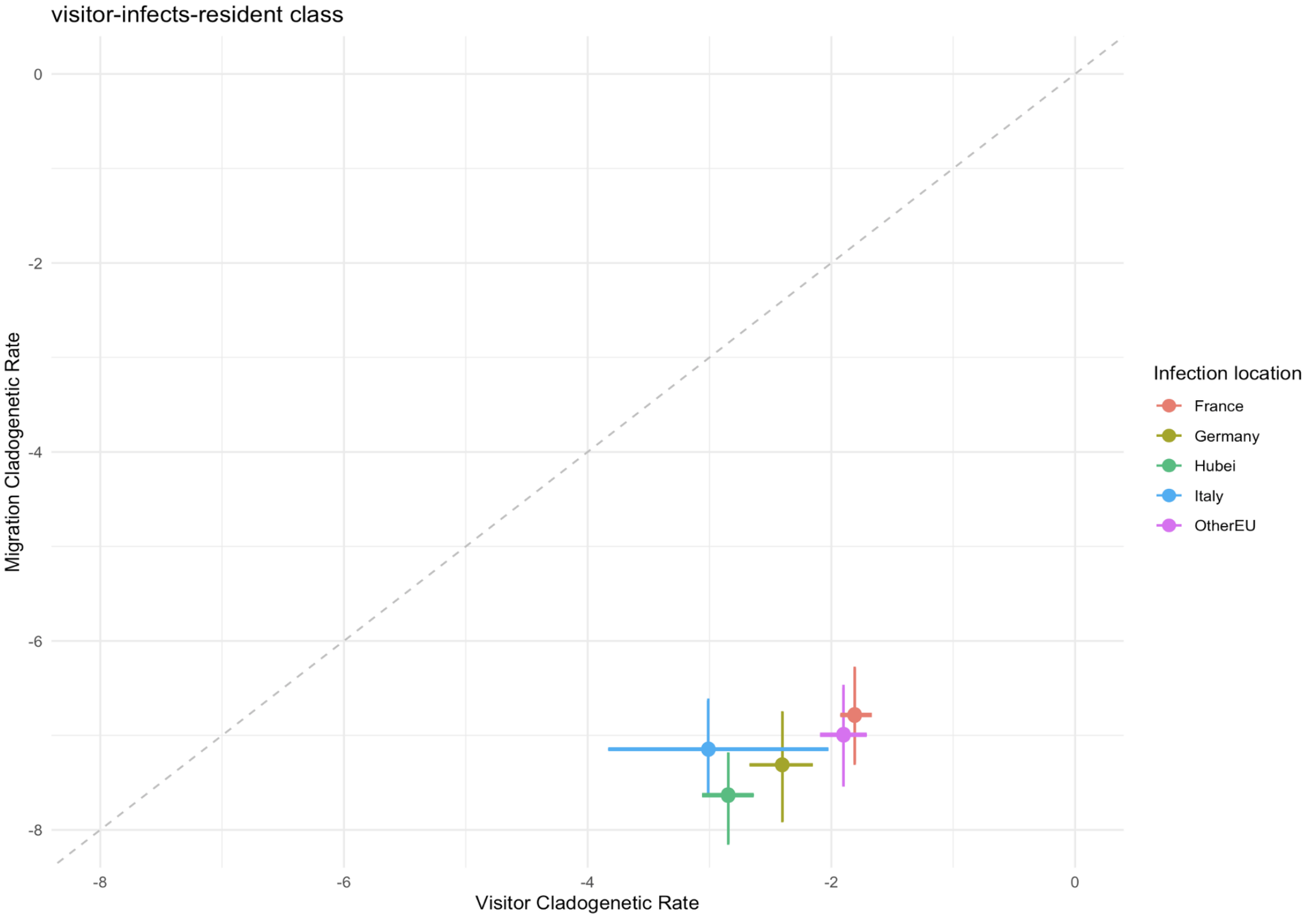
Unequal rates model (new priors on sampling proportions and empirical priors) – visitor has bad mixing problem



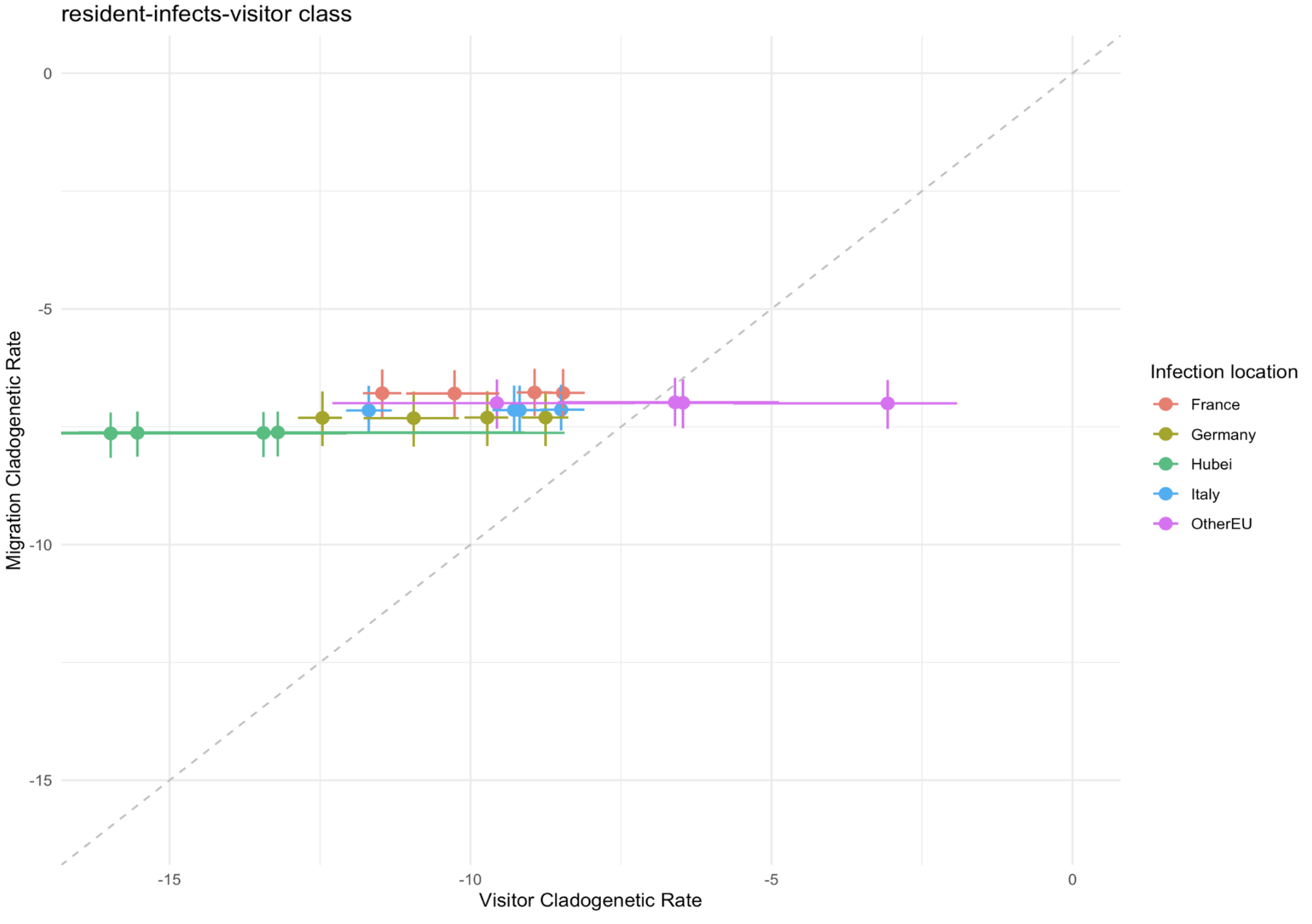
Unequal rates model (new priors on sampling proportions and empirical priors) – with burn-in on visitor – fewer mixing problem



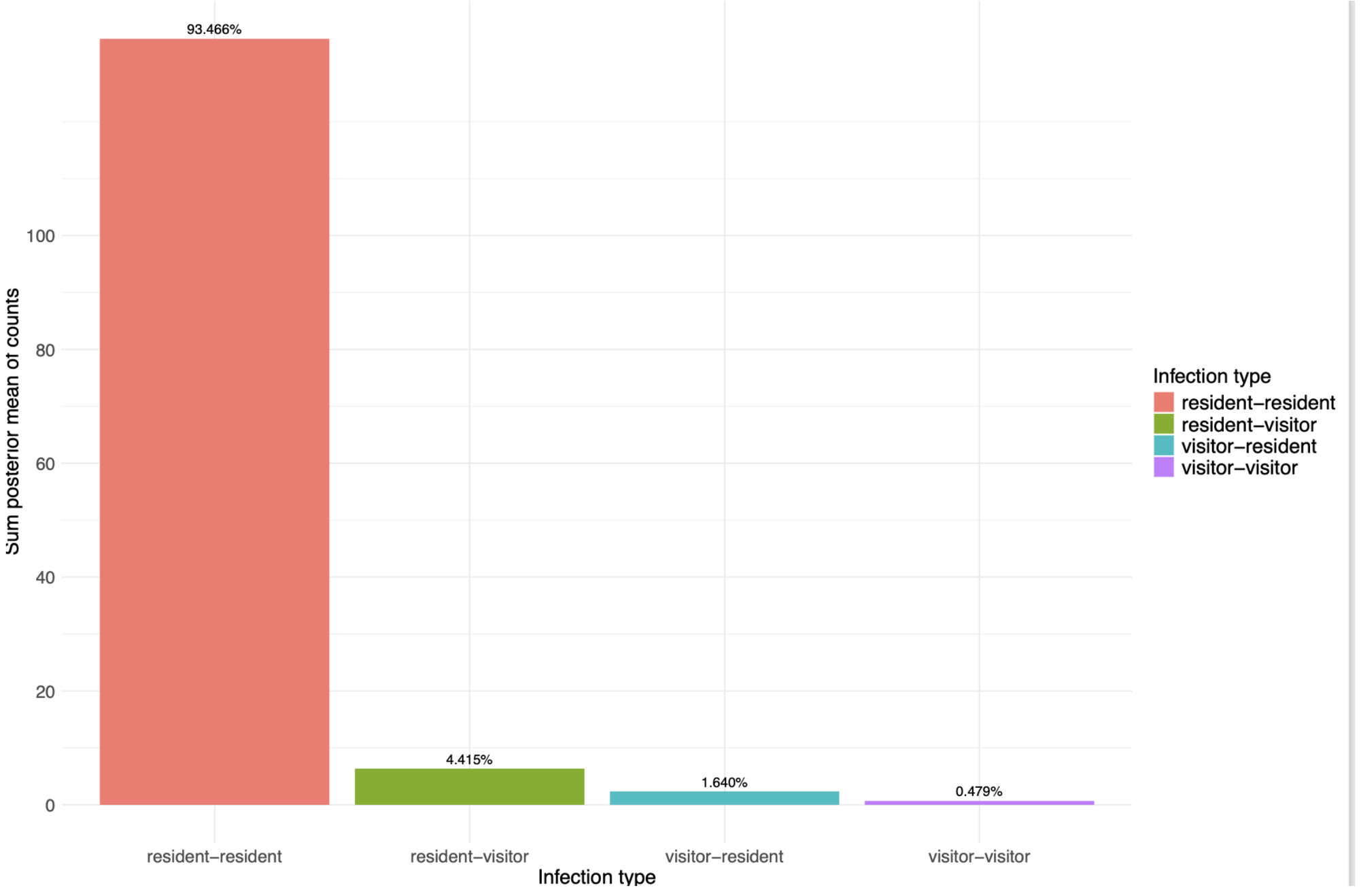
Unequal rates model (new priors on sampling proportions and empirical priors) – with burn-in on visitor – fewer mixing problem



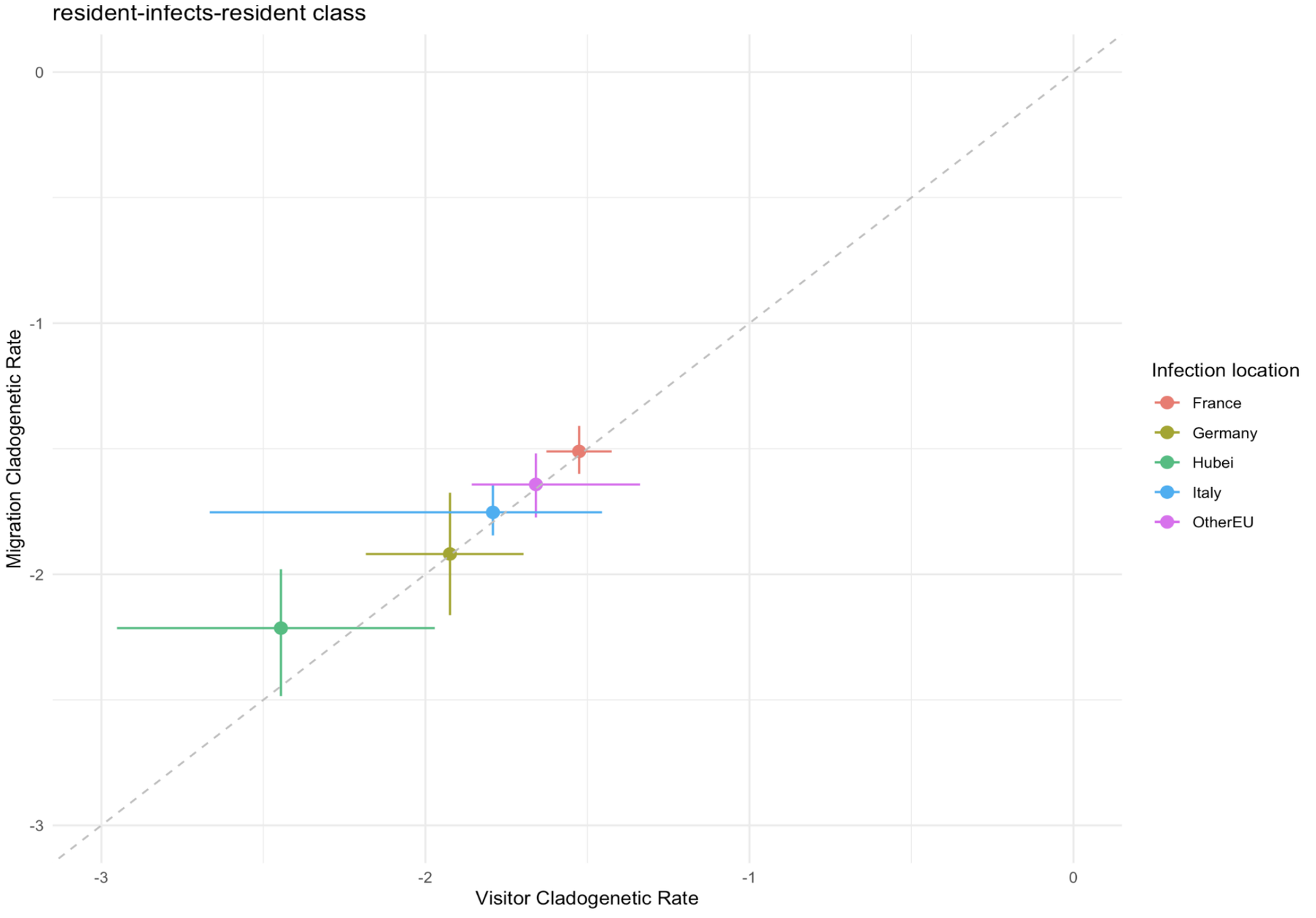
Unequal rates model (new priors on sampling proportions and empirical priors) – with burn-in on visitor – fewer mixing problem



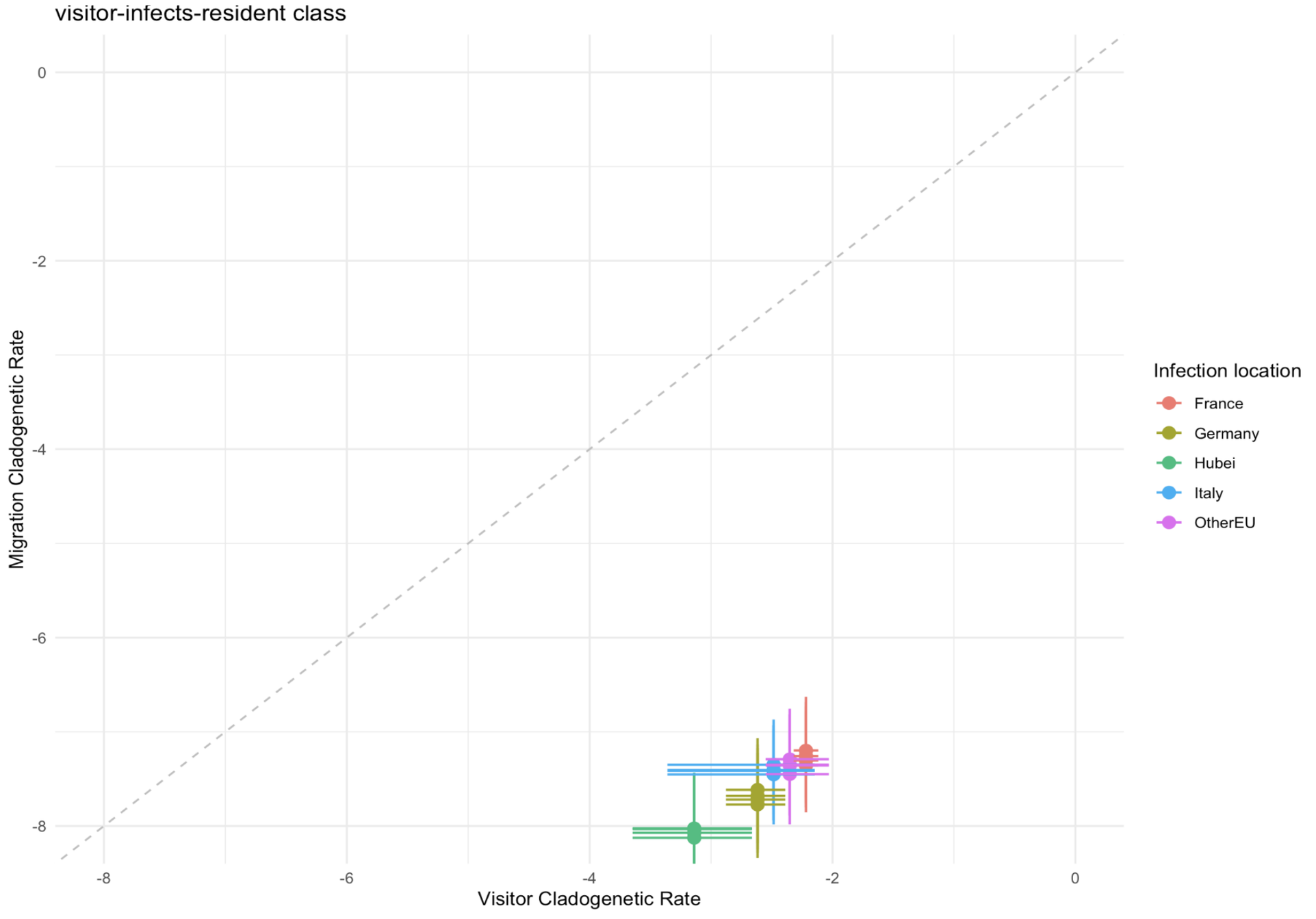
Unequal rates model (new priors on sampling proportions and empirical priors) – with burn-in on visitor – fewer mixing



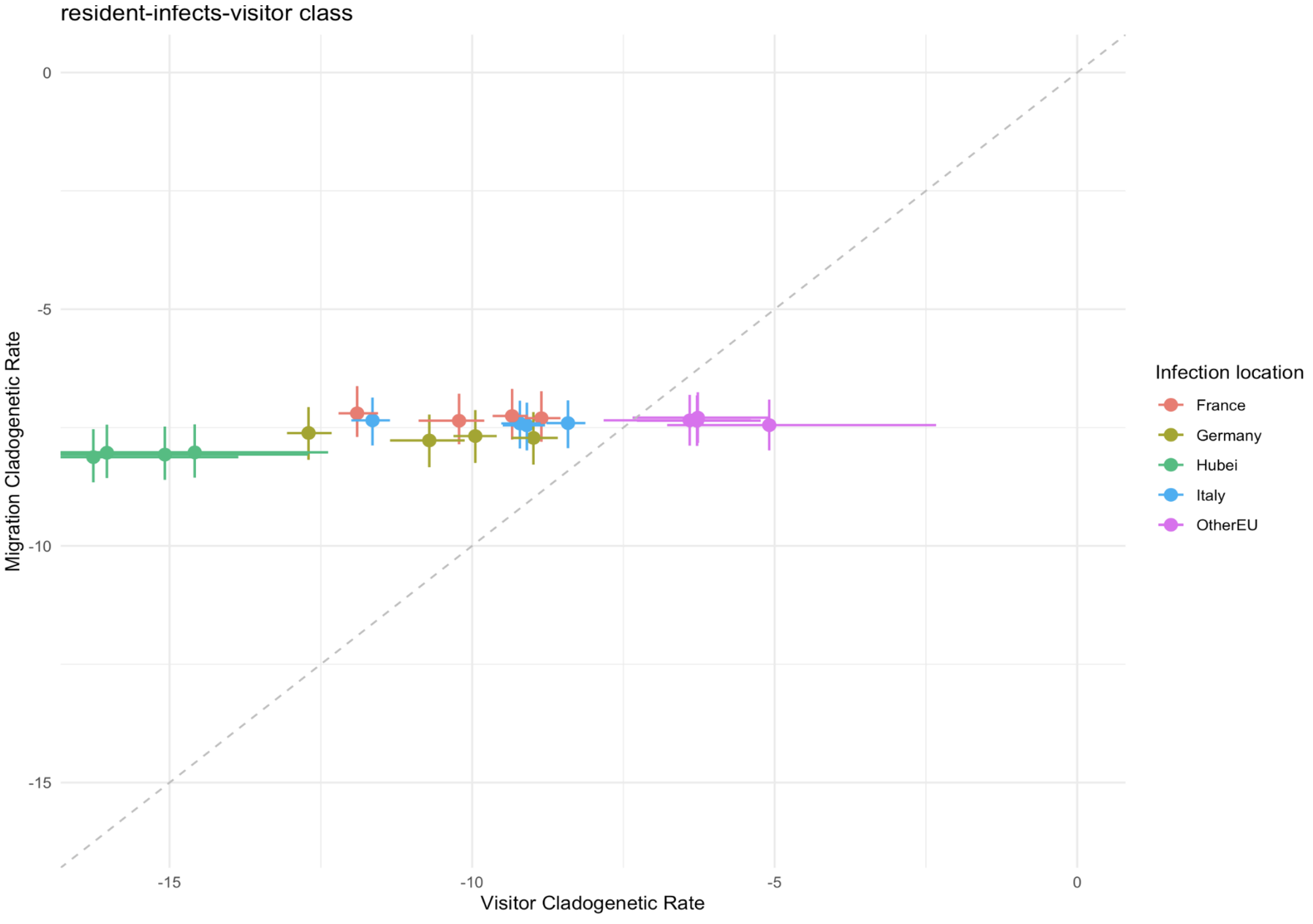
Unequal rates model – fixed sampling



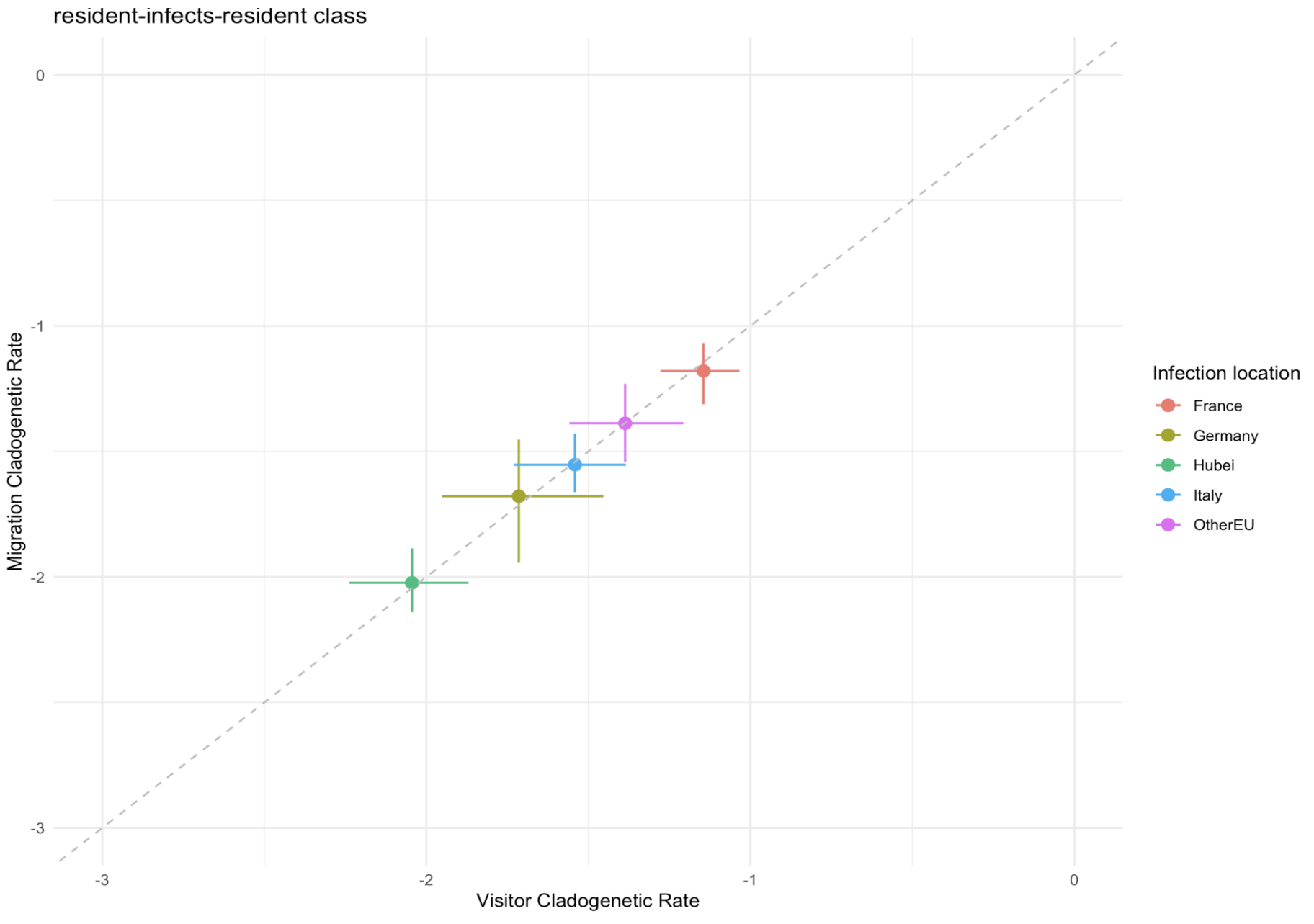
Unequal rates model – fixed sampling



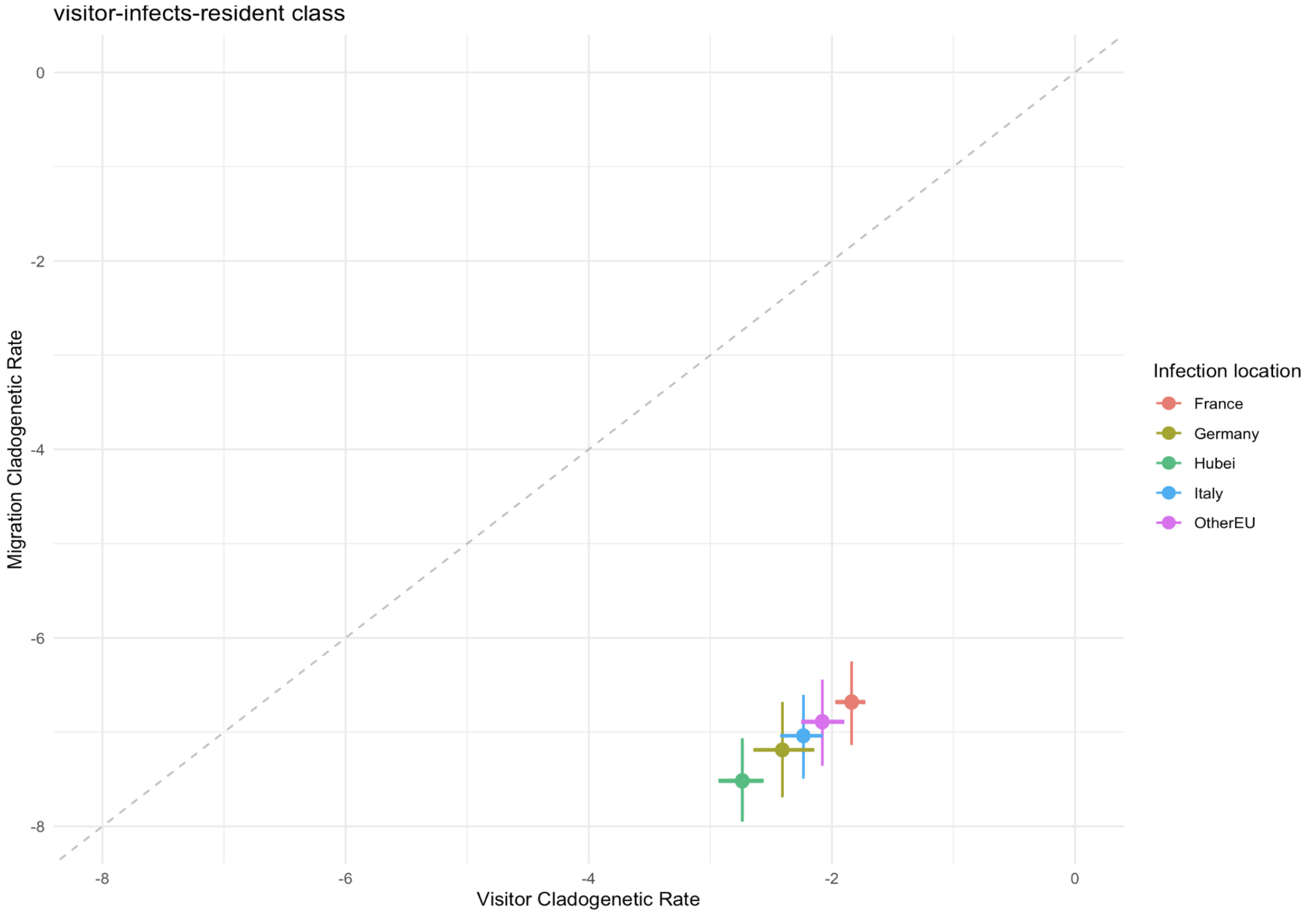
Unequal rates model – fixed sampling



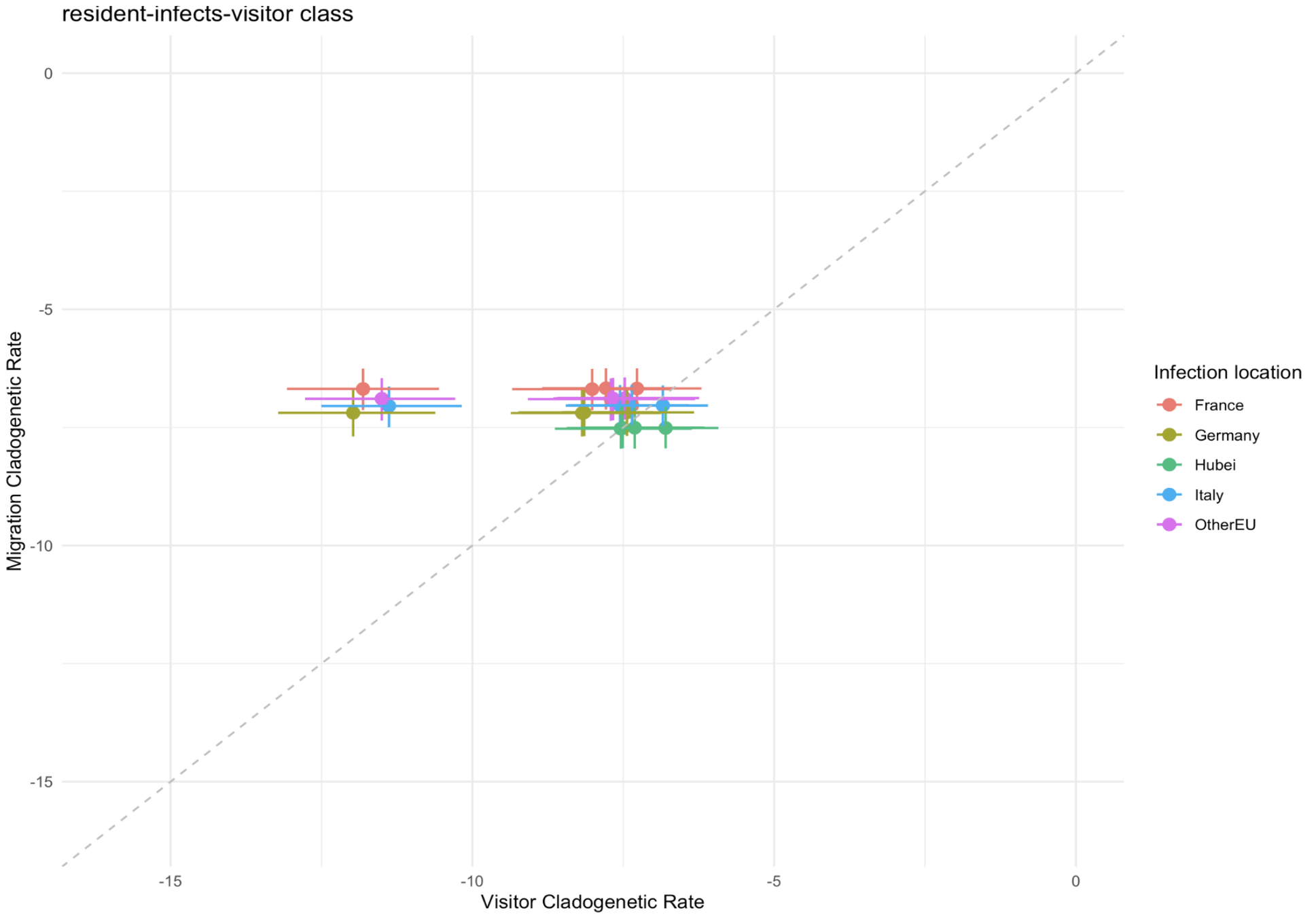
Unequal rates model – movement rates independent of away locations



Unequal rates model – movement rates independent of away locations



Unequal rates model – movement rates independent of away locations



Summary

Loc	Visit_equal_old_priors	Visit_equal_new_priors	Visit_unequal_new_priors	Visit_unequal_new_priors_fixed_sampling	Visit_unequal_new_priors_burnin	Visit_unequal_new_priors_away_indep	Visit_unequal_new_priors_4x	Visit_unequal_new_priors_40x
Hubei	1.287	1.335	1.091	0.778	1.095	1.257	1.166	1.394
France	3.1	3.202	3.276	2.026	3.298	3.225	1.387	4.108
Germany	1.83	1.866	1.813	1.361	1.799	1.808	2.071	1.89
Italy	2.064	2.248	1.86	1.95	1.843	2.181	2.452	3.097
OtherEU	2.5	2.587	2.915	1.829	2.969	2.582	4.055	3.717

Red > **blue** > **orange** > **green** > **black**

Loc	Clado_equal_old_priors	Clado_equal_new_priors	Clado_unequal_new_priors	Clado_unequal_new_priors_fixed_sampling	Clado_unequal_new_priors_burnin	Clado_unequal_new_priors_away_indep	Clado_unequal_new_priors_4x	Clado_unequal_new_priors_40x
Hubei	1.281	1.34	1.354	0.96	1.349	1.36	-	-
France	3.106	3.138	3.146	2.058	3.147	3.132	-	-
Germany	1.816	1.887	1.859	1.37	1.882	1.902	-	-
Italy	2.049	2.196	2.181	1.771	2.181	2.184	-	-
OtherEU	2.488	2.526	2.554	1.876	2.564	2.546	-	-

Summary

Loc	Visit_equal_old_priors (sampling rate)	Visit_equal_new_priors	Visit_unequal_new_priors	Visit_unequal_new_priors_fixed_sampling	Visit_unequal_new_priors_burnin	Visit_unequal_new_priors_away_indep	Visit_unequal_new_priors_4x	Visit_unequal_new_priors_40x
Hubei	1.44E-3	9.757E-3	6.309E-2	-	6.241E-2	3.209E-2	2.698E-2	3.137E-3
France	1.673E-3	1.345E-2	1.146E-2	-	1.109E-2	1.288E-2	1.457E-2	1.94E-3
Germany	2.653E-3	2.882E-2	3.085E-2	-	3.233E-2	3.104E-2	1.496E-2	1.632E-3
Italy	5.995E-4	2.708E-3	1.894E-3	-	1.915E-3	2.517E-3	7.153E-4	8.078E-5
OtherEU	1.835E-3	1.607E-2	1.481E-2	-	1.435E-2	1.417E-2	3.147E-3	1.22E-3

Red > **blue** > **orange** > **green** > **black**

Priors: Hubei > Germany > France >> OtherEU >> Italy

Loc	Clado_equal_old_priors (sampling rate)	Clado_equal_new_priors	Clado_unequal_new_priors	Clado_unequal_new_priors_fixed_sampling	Clado_unequal_new_priors_burnin	Clado_unequal_new_priors_away_indep	Clado_unequal_new_priors_4x	Clado_unequal_new_priors_40x
Hubei	1.598E-3	9.49E-3	8.945E-3	-	9.091E-3	8.422E-3	-	-
France	1.673E-3	1.56E-2	1.583E-2	-	1.561E-2	1.612E-2	-	-
Germany	2.586E-3	2.386E-2	2.577E-2	-	2.49E-2	2.256E-2	-	-
Italy	6.229E-4	3.177E-3	3.322E-3	-	3.281E-3	3.377E-3	-	-
OtherEU	1.897E-3	1.748E-2	1.553E-2	-	1.539E-2	1.692E-2	-	-

Pretty much similar across different setups