

**Table S1. Median values and 95% confidence interval of the posterior distributions of the inferred parameters using the bdmm BEAST2 package.** The parameters  $R_1^{t1}$ ,  $R_1^{t2}$  and  $R_1^{t3}$  are the reproduction numbers for the non-MSM hosts during the first, second and last temporal intervals respectively. The parameter  $R_2^{t3}$  is the reproduction number for the MSM hosts epidemic. The parameters given by  $1/(\gamma_1 + \epsilon_1)$  and  $1/(\gamma_2 + \epsilon_2)$  correspond to the effective duration of infectious period of non-MSM and MSM hosts respectively, where  $\gamma_1$  and  $\gamma_2$  are the end of infectiousness rates and  $\epsilon_1$  and  $\epsilon_2$  are the sampling proportions of non-MSM and MSM hosts.  $t_2$  corresponds to the date of the emergence of the MSM hosts epidemic.

	$R_1^{t1}$	$R_1^{t2}$	$R_1^{t3}$	$R_2^{t3}$	$1/(\gamma_1 + \epsilon_1)$	$1/(\gamma_2 + \epsilon_2)$	$t_2$
median	1.54	1.51	0.68	1.05	2.0	1.50	2001.91
95% CI	[1.37; 1.77]	[1.11; 2.55]	[0.20; 0.94]	[0.67; 1.67]	[1.45; 2.54]	[1.23; 1.81]	[1998.38; 2006.00]