

Table S1. Representative evaluation of genotyped samples by city in the study.

Region	City	Risk Group	Reported cases	Genotyped samples	Chi-square	P value	
PRD	<b>Guangzhou</b>	IDU	110	4	1.673	0.643	
		Sex+IDU	7	1			
		Heterosexual	715	43			
		MSM	498	29			
	<b>Shenzhen</b>	IDU	88	5	4.569	0.206	
		Sex+IDU	19	2			
		Heterosexual	533	21			
		MSM	547	37			
	<b>Dongguan</b>	IDU	40	6	1.303	0.728	
		Sex+IDU	3	1			
		Heterosexual	392	44			
		MSM	140	16			
	<b>Foshan</b>	IDU	102	14	1.002	0.606	
		Heterosexual	291	39			
		MSM	88	8			
	<b>Jiangmen</b>	IDU	72	15	0.172	0.982	
		Sex+IDU	3	1			
		Heterosexual	196	40			
		MSM	20	4			
	<b>Zhongshan</b>	IDU	18	7	1.496	0.683	
		Heterosexual	123	41			
		MSM	44	11			
		MCT	1	1			
	<b>Huizhou</b>	IDU	23	10	0.192	0.979	
		Heterosexual	111	41			
		Sex+IDU	3	1			
		MSM	17	7			
	<b>Zhaoqing</b>	IDU	12	9	1.826	0.609	
		Heterosexual	92	39			
		MSM	3	1			
		MCT	1	1			
	<b>Zhuhai</b>	IDU	5	2	0.550	0.760	
		Heterosexual	37	20			
		MSM	39	26			
	Western	<b>Yangjiang</b>	IDU	57	19	2.421	0.298
			Heterosexual	123	36		
			MCT	3	3		
		<b>Zhanjiang</b>	IDU	12	3	3.683	0.298
			Heterosexual	140	40		
			MSM	19	9		
			MCT	3	3		
		<b>Yunfu</b>	IDU	7	1	0.559	0.756
Heterosexual			137	43			
MSM			3	1			
<b>Maoming</b>		Heterosexual	130	54	0.025	0.988	
		MSM	5	2			
		MCT	2	1			
Northern		<b>Qingyuan</b>	IDU	5	4	1.971	0.373
			Heterosexual	136	53		
	MSM		2	2			
	<b>Shaoguan</b>	IDU	6	3	0.526	0.769	
		Heterosexual	45	25			
		MSM	9	3			
	<b>Heyuan</b>	IDU	9	5	0.844	0.839	
		Heterosexual	34	25			
		MSM	2	2			
		NA	3	1			
	<b>Meizhou</b>	Heterosexual	42	27	0.141	0.932	
		MSM	1	1			
		MCT	2	1			
	Eastern	<b>Shantou</b>	Heterosexual	74	40	0.136	0.712
			MSM	14	9		
<b>Jieyang</b>		Heterosexual	35	18	0.074	0.786	
		MSM	3	2			
<b>Shanwei</b>		IDU	3	3	2.475	0.480	
		Heterosexual	12	11			
		MSM	1	1			
		NA	9	3			
<b>Chaozhou</b>		Heterosexual	17	16	0.006	0.939	
		MSM	4	4			