

Table S1. Origins of ethnic Chinese individuals used in the study

	Item	Total case	Rate (%)
China	Macau	4,302	22.8
	Shanghai	2,520	13.4
	Zhejiang	1,413	7.5
	Hubei	1,090	5.8
	Fujian	959	5.1
	Guangdong	919	4.9
	Gansu	559	3.0
	Shandong	481	2.6
	Sichuan	456	2.4
	Guizhou	390	2.1
	Hunan	375	2.0
	Liaoning	319	1.7
	Hebei	317	1.7
	Neimenggu	273	1.4
	Jiangsu	213	1.1
	Henan	163	0.9
	Xizang	137	0.7
	Guangxi	96	0.5
	Shaanxi	92	0.5
	Shanxi	75	0.4
	Tianjin	72	0.4
	Anhui	70	0.4
	Beijing	106	0.6
	Jiangxi	45	0.2
	Jilin	40	0.2
	Heilongjiang	31	0.2
	Chongqing	21	0.1
Yunnan	11	0.1	
Others	642	3.4	
Singapore	-	2,657	14.1
	Total*	18,844	100.0

\* 642 individuals with unknown origin were not included in the table