

**Salmonella Typhi phage types from human sources, Japan, 2016**

**Phage typing : Department of Bacteriology I, NIID**

As of February 20, 2017

Phage type	Prefecture/City	Number of isolates	Year & month	Drug-resistance	Country visited
A	Toyama P.	1 ( 1)	2016. 4	NA	Thailand, Laos
A	Aichi P.	4	2016. 9		
A	Gifu P.	1	2016.10		
A	Aichi P.	4	2016.10		
B2	Yokohama City	1 ( 1)	2016. 5	NA	Bangladesh
B2	Nagoya City	1	2016. 9		
B2	Nagoya City	1	2016. 9		
B2	Kanagawa P.	1 ( 1)	2016.12	NA	India
E1	Tokyo	1 ( 1)	2016. 1	NA	Thailand
E1	Tokyo	1 ( 1)	2016. 2	NA, ABPC, CP, SM, SXT, TC	Bangladesh
E1	Tokyo	1 ( 1)	2016. 3	NA	India
E1	Tokyo	1 ( 1)	2016. 3	NA	India
E1	Tokyo	2 ( 2)	2016. 6	NA	Myanmar
E1	Tokyo	1 ( 1)	2016. 6		Mexico
E1	Tokyo	1 ( 1)	2016. 7	NA	
E1	Tokyo	1 ( 1)	2016. 9	NA	
E1	Tokyo	1	2016. 9	NA	
E9	Saitama P.	1 ( 1)	2016. 1	NA	India
M1	Saga P.	1	2016. 9		
M1	Saga P.	1	2016.10		
25	Nagano P.	1 ( 1)	2016. 4		Indonesia
DVS	Tokyo	1 ( 1)	2016. 1	NA, CPFXX	Nepal
DVS	Tokyo	1 ( 1)	2016. 4	NA	Bangladesh
DVS	Saitama P.	1 ( 1)	2016. 7		South Sudan
DVS	Tokyo	1 ( 1)	2016. 9	NA	India
UVS1	Tokyo	1 ( 1)	2016. 1	NA, CPFXX, NFLX	
UVS1	Sakai City	1 ( 1)	2016. 1	NA, CPFXX, NFLX	Myanmar
UVS1	Sakai City	1 ( 1)	2016. 2	NA, CPFXX, NFLX	Myanmar
UVS1	Yokohama City	1 ( 1)	2016. 5	NA, CPFXX, NFLX	Myanmar
UVS2	Ishikawa P.	2 ( 2)	2016. 9	NA, CPFXX	India
UVS4	Tokyo	1 ( 1)	2016. 1	NA, CPFXX, NFLX	Nepal
UVS4	Fukushima P.	1 ( 1)	2016. 5	NA, CPFXX, NFLX, TFLX	India
UVS4	Kyoto City	1 ( 1)	2016. 5	NA, CPFXX, NFLX	India
UVS4	Kyoto City	1 ( 1)	2016. 8	NA, CPFXX, NFLX	India
UVS4	Chiba P.	1 ( 1)	2016. 9	NA	Pakistan
UVS4	Fukuoka P.	1 ( 1)	2016. 9	NA, CPFXX, NFLX	India, Thailand

44 ( 30)

( ) : Imported cases included in the total  
 DVS: Degraded Vi positive strain  
 UVS1: Untypable Vi strain group-1  
 UVS4: Untypable Vi strain group-4  
 NA: nalidixic acid  
 ABPC: ampicillin  
 SXT: sulfamethoxazole-trimethoprim  
 TFLX: tosufloxacin  
 CPFXX: ciprofloxacin  
 CP: chloramphenicol  
 NFLX: norfloxacin  
 SM: streptomycin  
 TC: tetracycline

