

Name	Pathogenicity islands			Function
	Star	End	Size(bp)	
<a href="#">SPI-1</a>	2858736	2900586	41851	Type III secretion system, invasion into epithelial cells, apoptosis (InvA, OrgA, SptP, SipA, SipB, SipC, SipD, SopE, prgH)
<a href="#">SPI-2</a>	1624920	1666524	41605	Type III secretion system, required for systemic infection and intracellular pathogenesis by facilitating replication of intracellular bacteria within membrane-bound Salmonella-containing vacuoles
<a href="#">SPI-3</a>	3883613	3900553	16941	Invasion, survival in monocytes, Mg <sup>2+</sup> uptake (MgtC, B, MarT, MisL)
<a href="#">SPI-4</a>	4322993	4346383	23391	Type I secretion system, putative toxin secretion, apoptosis, required for intracellular survival in macrophages, genes weakly similar to RTX-like toxins
<a href="#">SPI-5</a>	1085068	1092563	7496	Effector proteins for SPI-1 and SPI-2 (SopB, SigD, PipB)
<a href="#">SPI-6</a>	302092	360757	58666	safA-D and tcsA-R chaperone-usher fimbrial operons6
<a href="#">SPI-7</a>	4409511	4543148	133638	Vi exopolysaccharide, SopE prophage and a type IVB pilus operon
<a href="#">SPI-8</a>	3132530	3139414	6885	Two bacteriocin pseudogenes, genes conferring immunity to the bacteriocins
<a href="#">SPI-9</a>	2743495	2759190	15696	Type I secretory apparatus, large RTX-like protein
<a href="#">SPI-10</a>	4683605	4716538	32934	Phage 46 and the sefA-R chaperone-usher fimbrial operon

Supp Table 5. Ten pathogenicity islands reported to be located in *S. enterica Typhi CT18*, and name, star position, end position, size and function of these PAIs have been summarized from the pathogenicity island database (PAIDB)

