

***In silico* serotyping of *Salmonella* using SeqSero2 - Results:**

Strain ID	ST	Species	Subspecies	Serotype	O antigen	H1 antigen	H2 antigen	Antigen profile	Comments
SRR27241771	50	enterica	enterica	Saintpaul	4	e,h	1,2	4:e,h:1,2	No notes
SRR27241772	198	enterica	enterica	Kentucky	8	i	z6	8:i:z6	No notes
SRR27944993	3226	enterica	enterica	Paratyphi C or Choleraesuis or Typhisuis	7	c	1,5	7:c:1,5	The predicted serotypes share the same general formula: 7:c:1,5 and can be differentiated by additional analysis Biochemical test necessary for differentiation – important to determine since Paratyphi C can cause invasive disease (enteric fever) and Choleraesuis is host adapted to pigs and Typhisuis is host restricted to pigs
SRR27944994	86	enterica	enterica	Paratyphi B	4	b	1,2	4:b:1,2	Detected the SNP in gene STM3356 that is associated with the d-tartrate nonfermenting phenotype characteristic of the typhoidal pathotype Paratyphi B (d-tartrate negative) can cause enteric fever and the Java variant (d-tartrate fermenting/positive) is less pathogenic and cause gastroenteritis