

## Supporting information

**S2 Table.** Unique genes of human isolates predicted from Roary

Gene name	Putative function	Size (bp)	Location		
			VB88-ST45	VB16- ST112	AP20-ST181
integrase	Phage integrase	1052	φ VB88-Pro1	φ VB16-Pro1	φ AP20-Pro1
amidase	Phage lysin, N-acetylmuramoyl-L-alanine amidase	1460	φ VB88-Pro1	φ VB16-Pro1	φ AP20-Pro1
	Phage protein	249	φ VB88-Pro1	φ VB16-Pro1	φ AP20-Pro1
hypothetical protein	-	167	φ VB88-Pro2	φ VB16-Pro3	φ AP20-Pro1
hypothetical protein	-	177	φ VB88-Pro2	φ VB16-Pro2	φ AP20-Pro1
hypothetical protein	-	152	φ VB88-Pro2	φ VB16-Pro1	φ AP20-Pro1
hypothetical protein	-	350	φ VB88-Pro2	φ VB16-Pro1	φ AP20-Pro1
hypothetical protein	-	335	φ VB88-Pro2	φ VB16-Pro1	φ AP20-Pro1
<i>spsJ</i>	LPXTG-motif cell wall anchor domain protein	VB88-ST45=3,660 VB16- ST112=3,660 AP20-ST181=3,179			