

a) Database isolates

Sample	Lineage confidently detected	Matched k-mers	Antibiogram AZM		Antibiogram CFM		Antibiogram CIP		Antibiogram CRO		MLST match
			Actual	Best match	Actual	Best match	Actual	Best match	Actual	Best match	
GC01	yes	27%	S	S	S	S	S	S	S	S	Yes
GC02	yes	27%	S	S	R	R!	S	S	R	R!	Yes
GC03	yes	33%	S	S	R	S!	S	S	R	S!	Yes
GC04	yes	21%	S	S	R	R	R	R	R	S	Yes
GC05	yes	7%	R	R	S	S	S	S	S	S	Yes

b) Clinical isolates

Sample	Lineage confidently detected	Matched k-mers	Antibiogram AZM		Antibiogram CFM		Antibiogram CIP		Antibiogram CRO	
			Actual	Best match	Actual	Best match	Actual	Best match	Actual	Best match
GC06	yes	19%	S	S	R	R	R	R	S	S
GC07	no	20%	S	S	S	S	R	R	S	S
GC08	no	19%	S	S	S	S	R	R	S	S
GC09	no	18%	S	S	S	S	S	S	S	S
GC10	no	20%	S	S	S	S	R	R	S	S
GC11	no	20%	S	S	S	S	R	R	S	S
GC12	no	20%	S	S	S	S	R	R	S	S
GC13	yes	20%	S	S	S	S	R	R	S	S
GC14	yes	19%	S	S	S	S	R	R	S	S
GC15	yes	19%	R	S!	S	S	S	S	S	S
GC16	no	18%	S	S	S	S!	R	R	S	S!
GC17	no	19%	S	S	S	S!	R	R	S	S!
GC18	no	20%	S	S	S	S	R	R	S	S
GC19	yes	18%	S	S	S	S	R	R	S	S