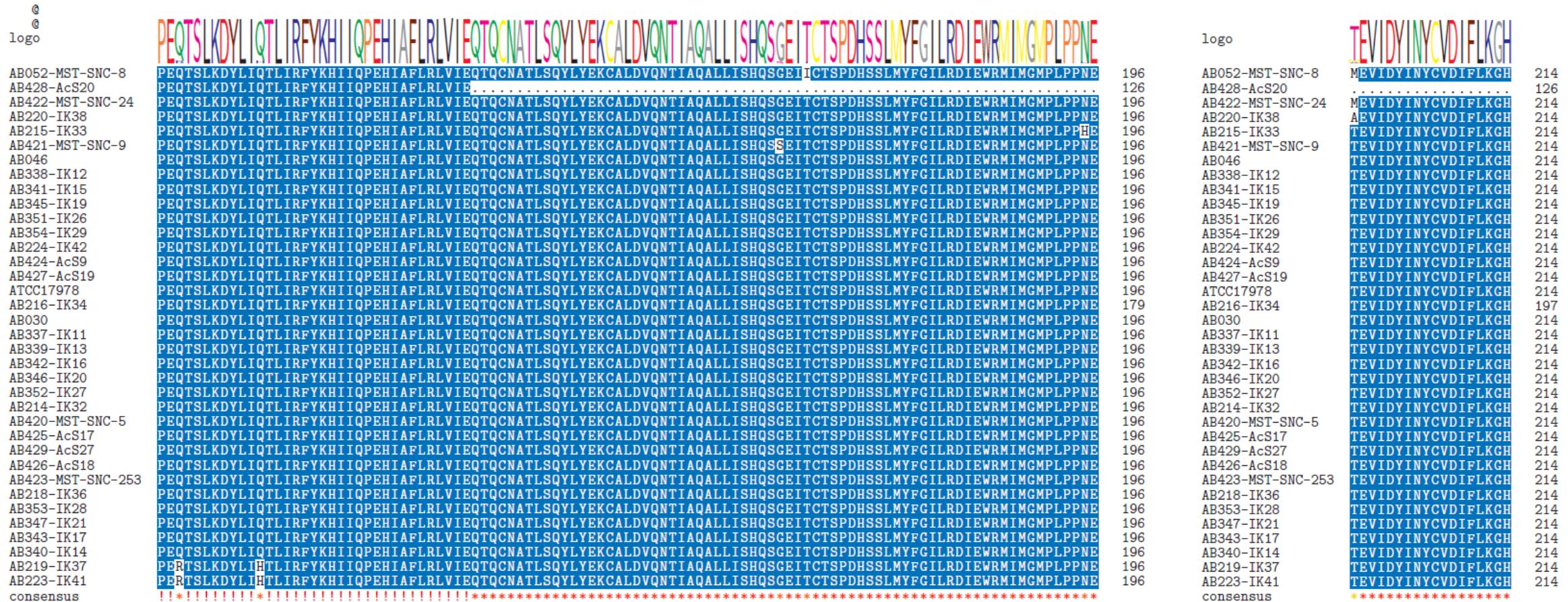


# Supplement Figures

Comparative phylogenomic and phenotypic analysis highlights diversity  
of antibiotic resistance and virulence in *Acinetobacter baumannii*

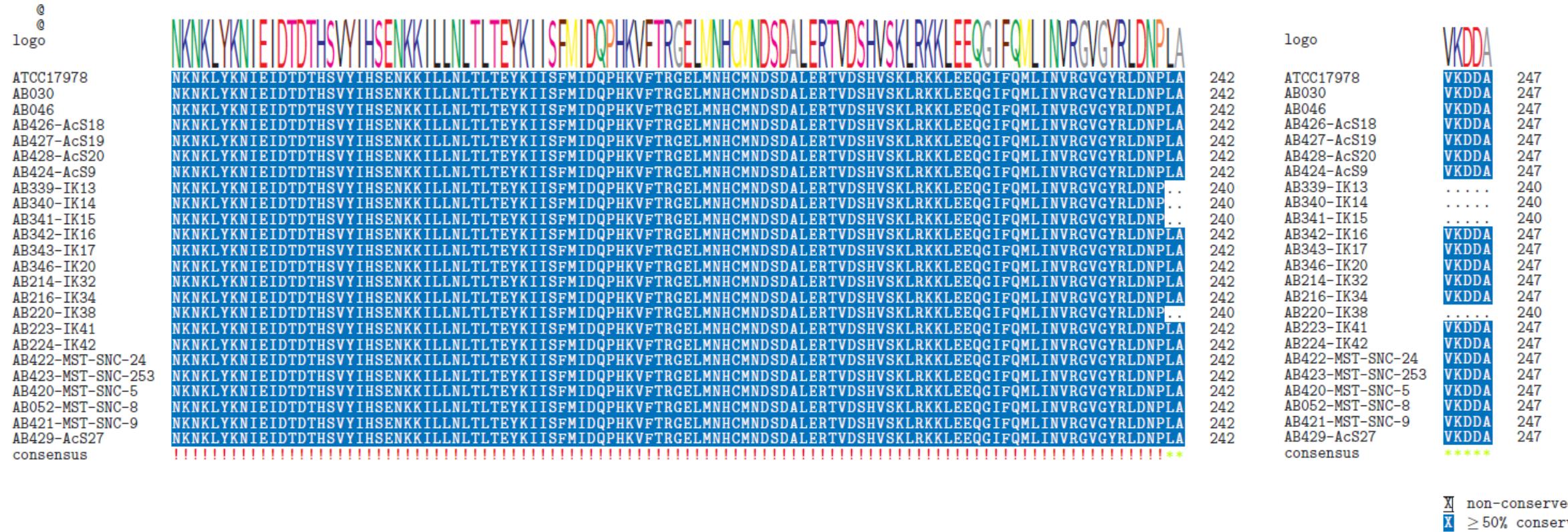
# Figure 1a – AdeN Dimerization Domain



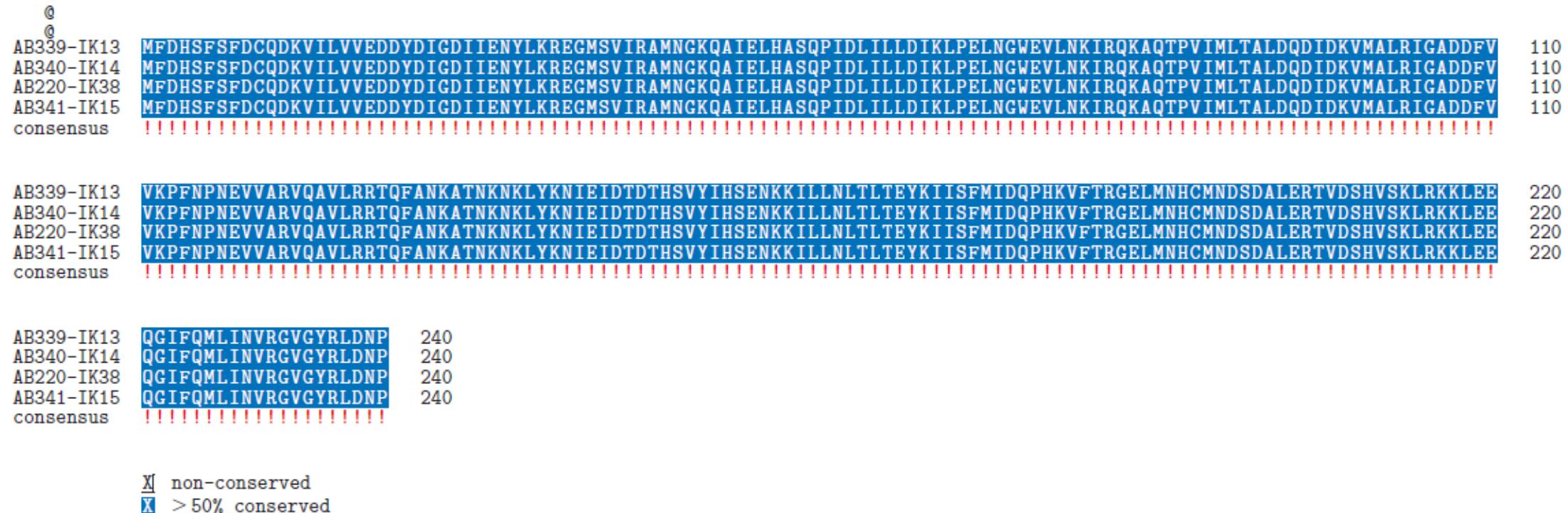
X non-conserved  
X  $\geq 50\%$  conserved

# Figure 1b – AdeN AA1-105

# Figure 2a – AdeR DNA binding domain



# Figure 2b – AdeR of AB220-IK38, AB341-IK15, AB340-IK14 and AB339-IK13



## Figure 2c – BaeR

## Figure 2c – BaeR

# Figure 2c – BaeR

AB219-IK37	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB223-IK41	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB426-AcS18	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB428-AcS20	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB214-IK32	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
ATCC17978	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB030	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB046	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB337-IK11	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB338-IK12	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB339-IK13	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB340-IK14	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB341-IK15	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB342-IK16	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB343-IK17	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB345-IK19	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB346-IK20	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB347-IK21	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB351-IK26	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB352-IK27	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB215-IK33	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB216-IK34	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB218-IK36	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB220-IK38	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB224-IK42	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB420-MST-SNC-5	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB052-MST-SNC-8	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB421-MST-SNC-9	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB422-MST-SNC-24	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB423-MST-SNC-253	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB424-AcS9	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB425-AcS17	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB427-AcS19	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB429-AcS27	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB353-IK28	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
AB354-IK29	EWIQA <b>V</b> GVGYR <b>E</b> YPEEE	228
consensus	!!!!!!*!!!!!	

 non-conserved  
 ≥ 50% conserved

# Figure 3 – AdeL

# Figure 3 – AdeL

# Figure 3 – AdeL

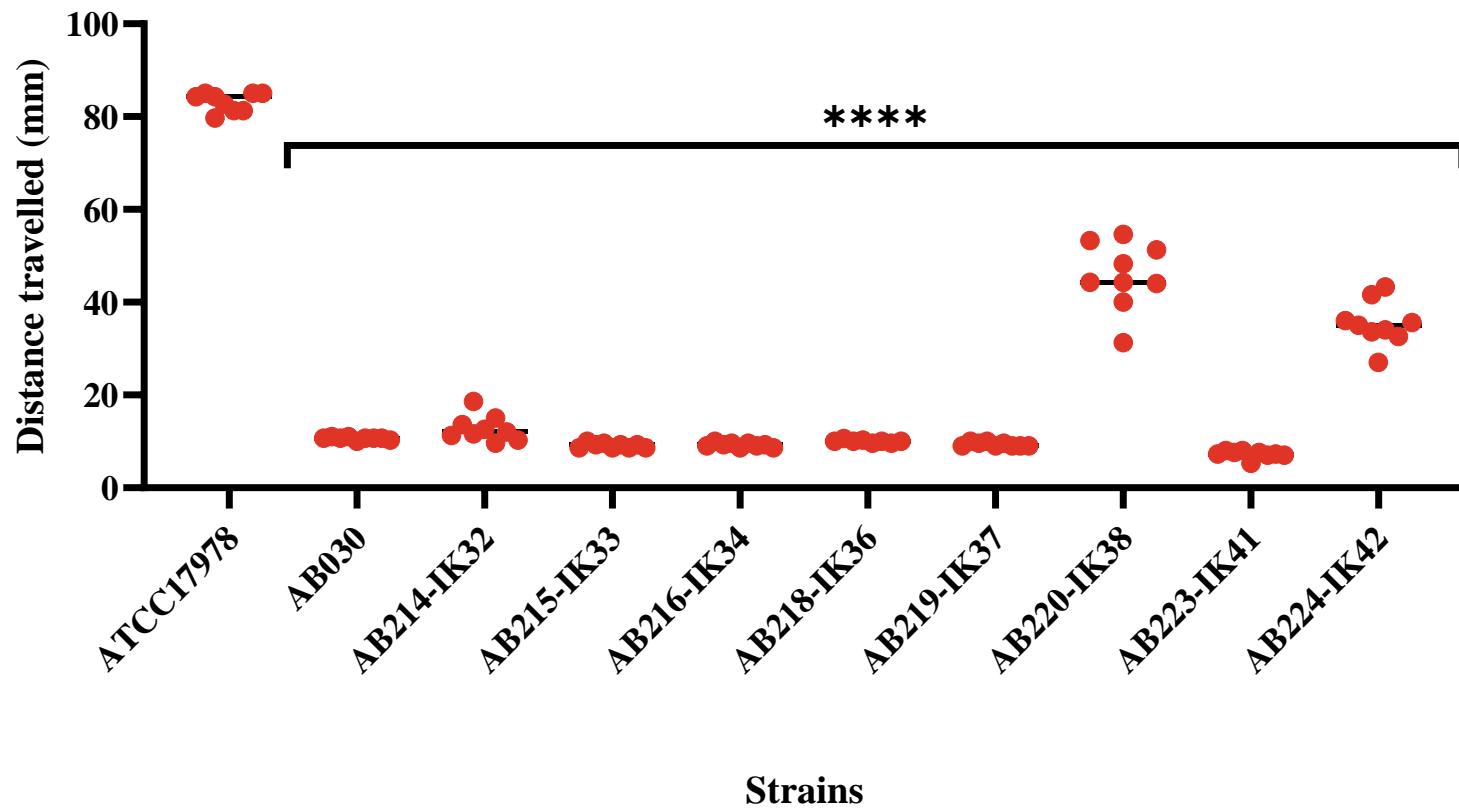
# Figure 4 – AdeL

ATCC17978	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB030	.....	196
AB046	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB337-IK11	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB338-IK12	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB339-IK13	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB340-IK14	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB341-IK15	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB342-IK16	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB343-IK17	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB345-IK19	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB346-IK20	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB347-IK21	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB351-IK26	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB352-IK27	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB353-IK28	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB354-IK29	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB214-IK32	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB215-IK33	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB216-IK34	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB218-IK36	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB219-IK37	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB220-IK38	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB223-IK41	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB224-IK42	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB052-MST-SNC-8	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB421-MST-SNC-9	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB422-MST-SNC-24	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB423-MST-SNC-253	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB424-AcS9	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB425-AcS17	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB426-AcS18	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB427-AcS19	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB428-AcS20	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB429-AcS27	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
AB420-MST-SNC-5	CDKETGHEYTIRTLVEQHニアEAYTLKT	343
consensus	*****	

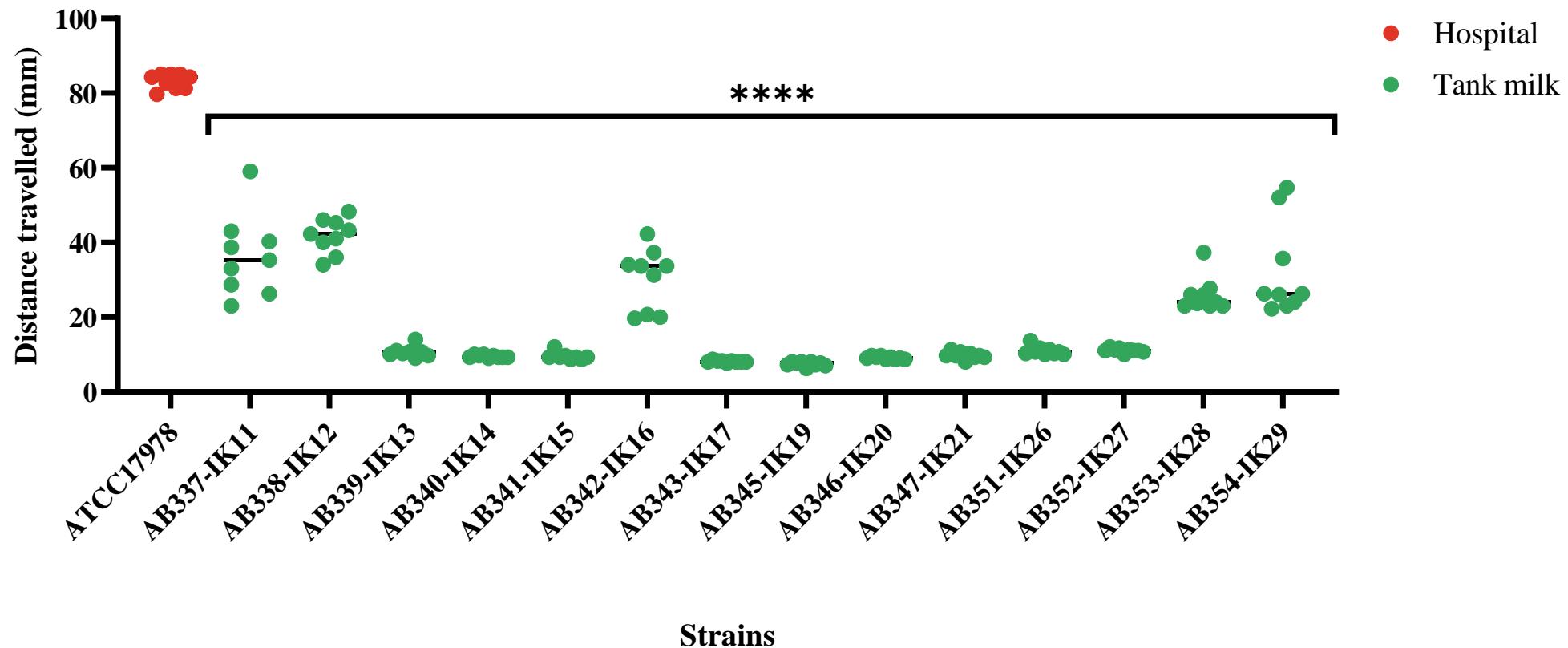
■ non-conserved

■ ≥ 50% conserved

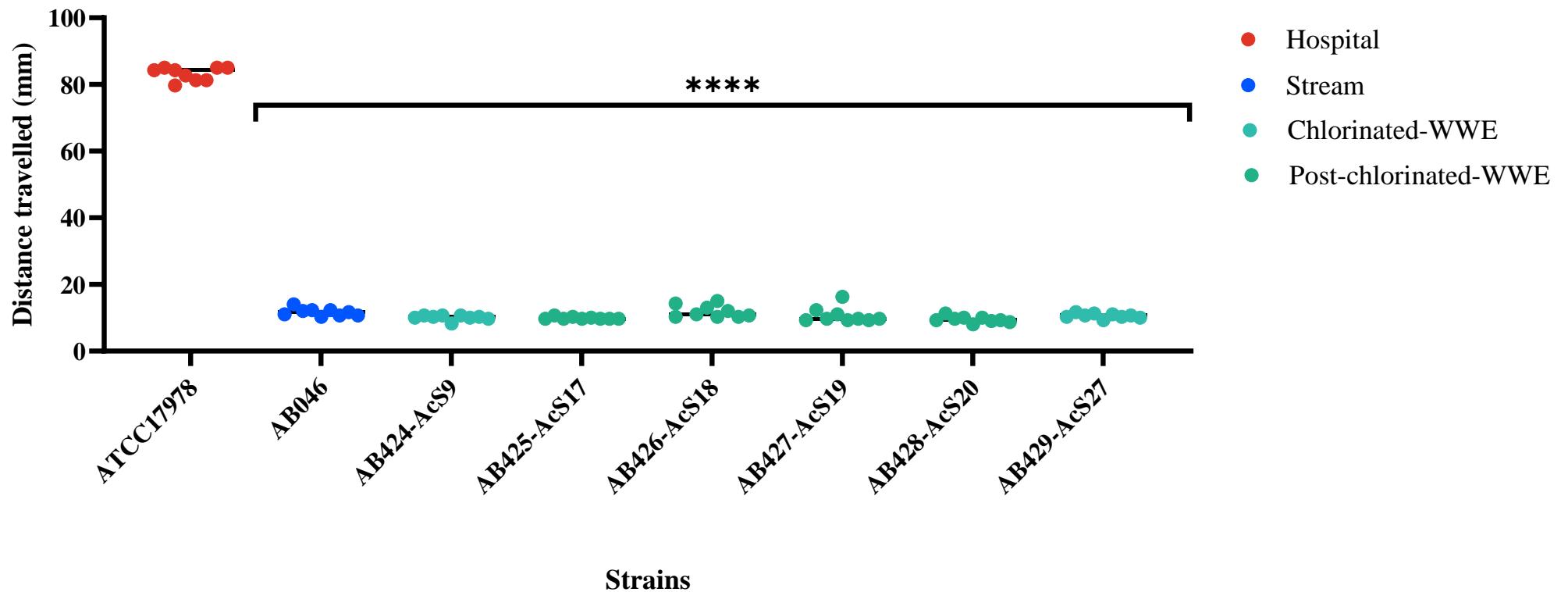
# Figure 4a – Motility - hospital



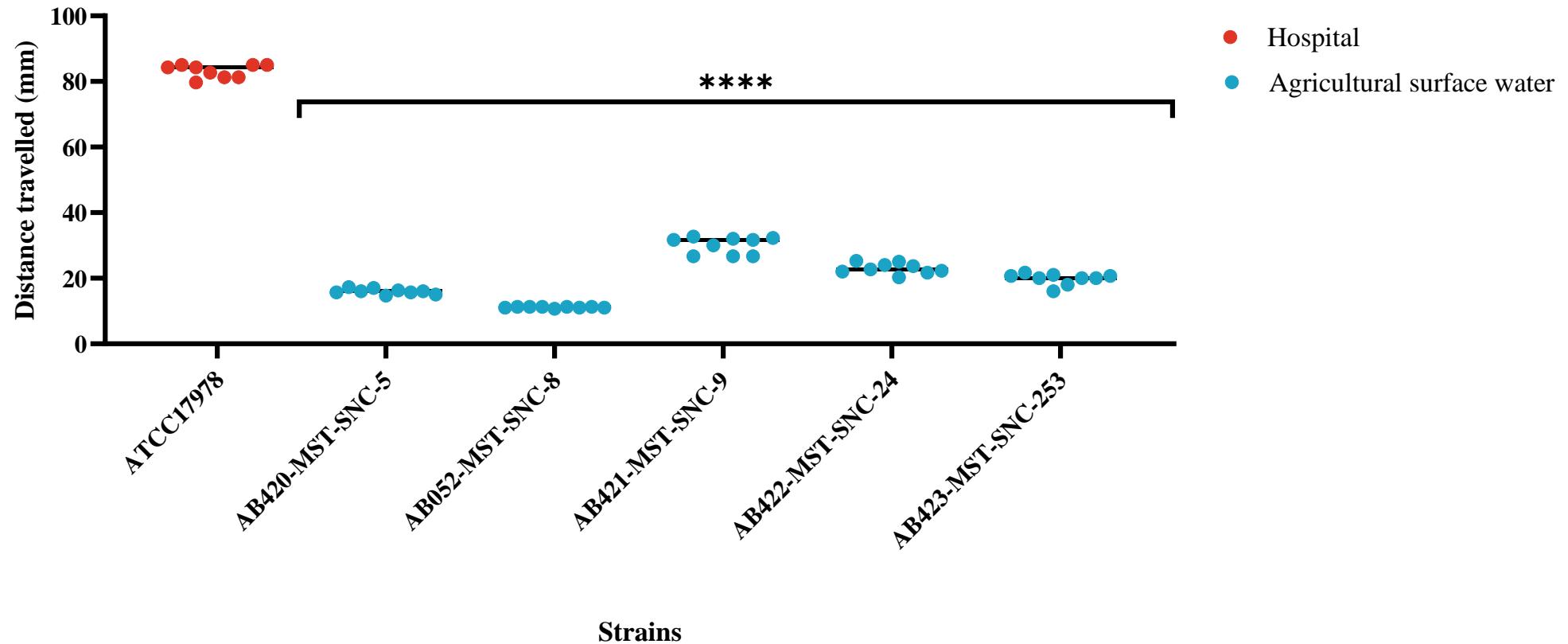
# Figure 4b – Motility – Tank milk



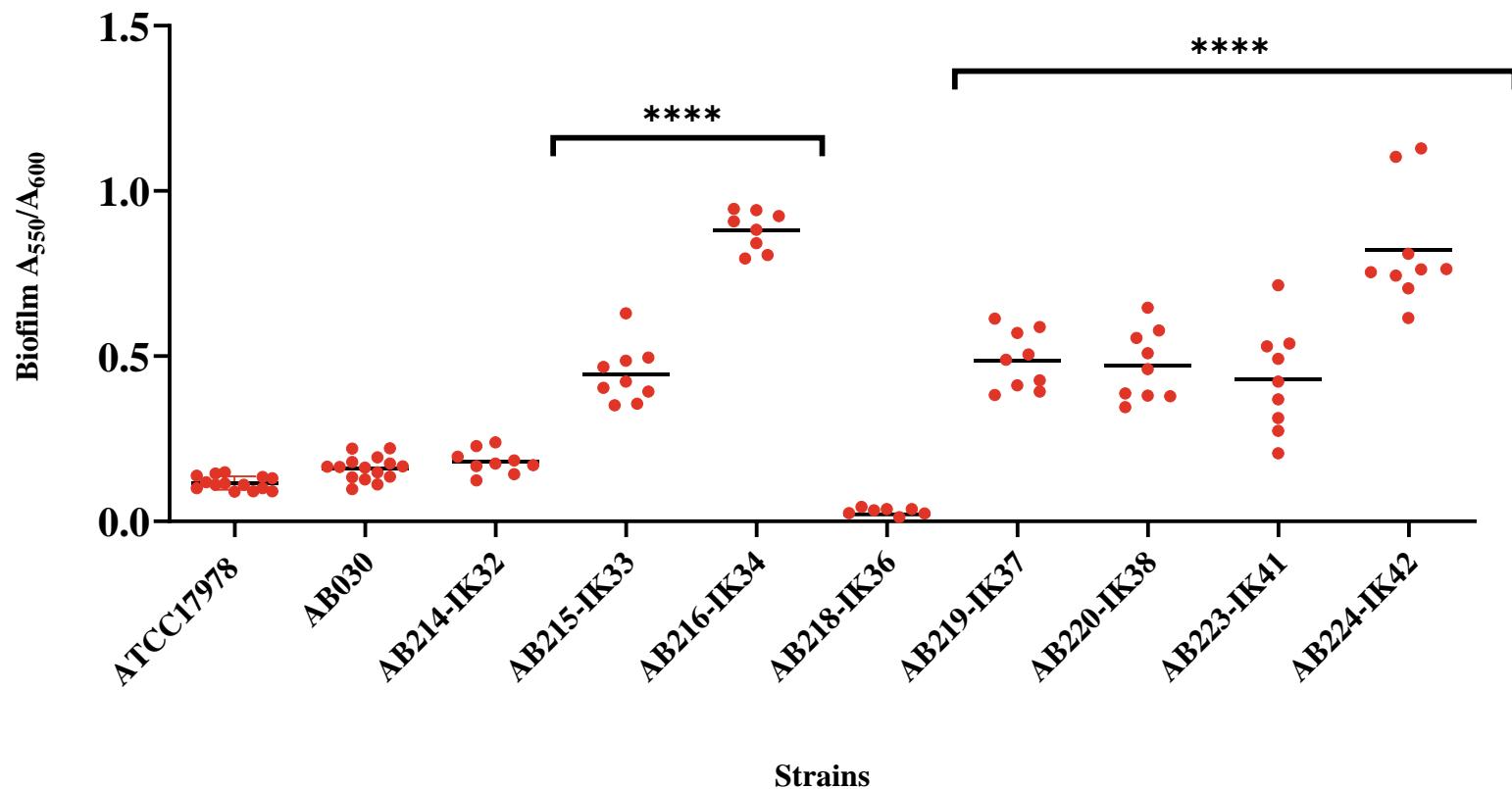
# Figure 4c – Motility - Stream and WWE



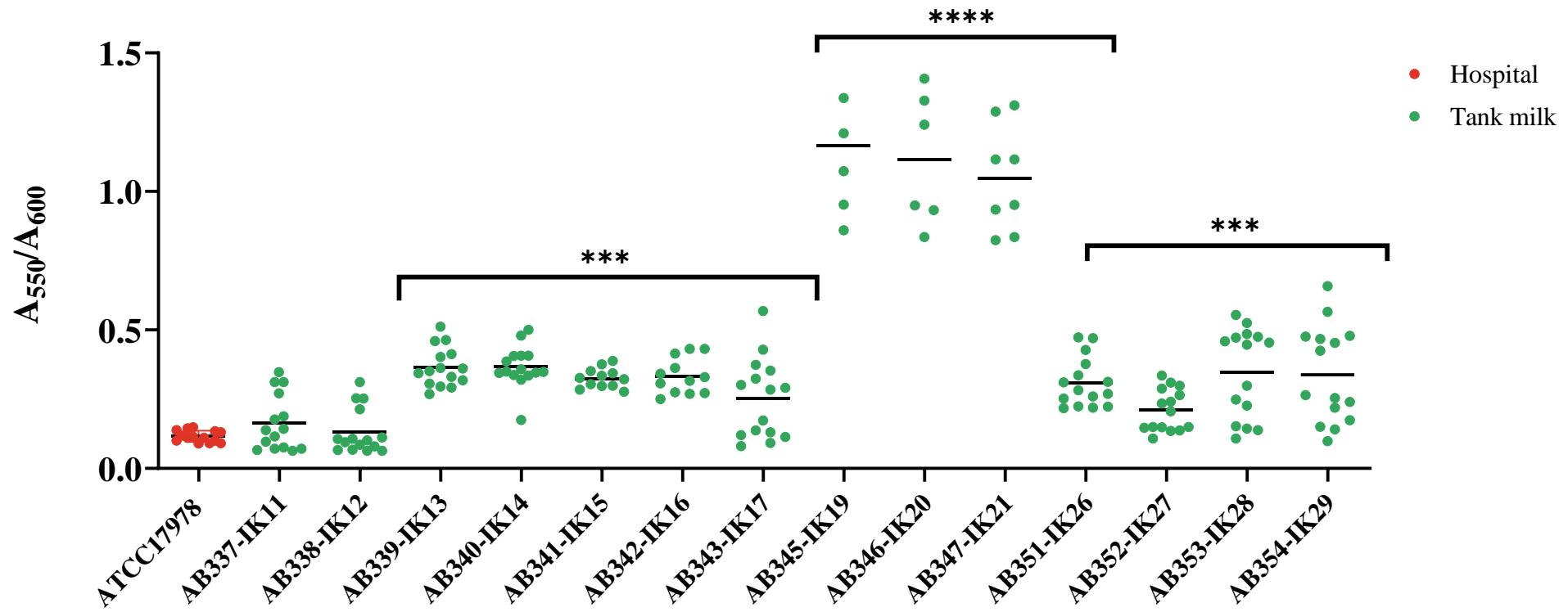
# Figure 4d – Motility – Agricultural Surface Water



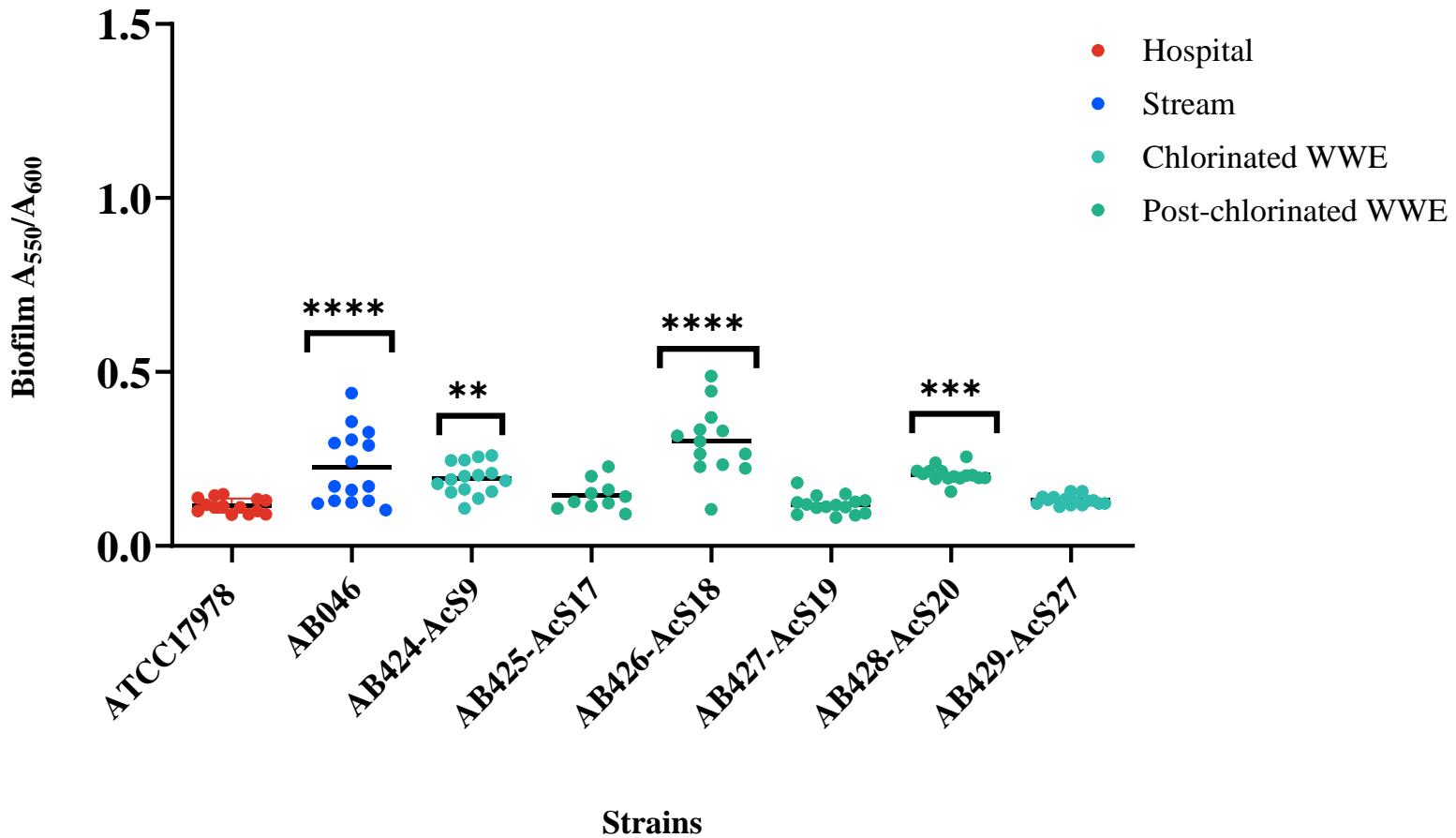
# Figure 5a: Biofilm Formation - Hospital



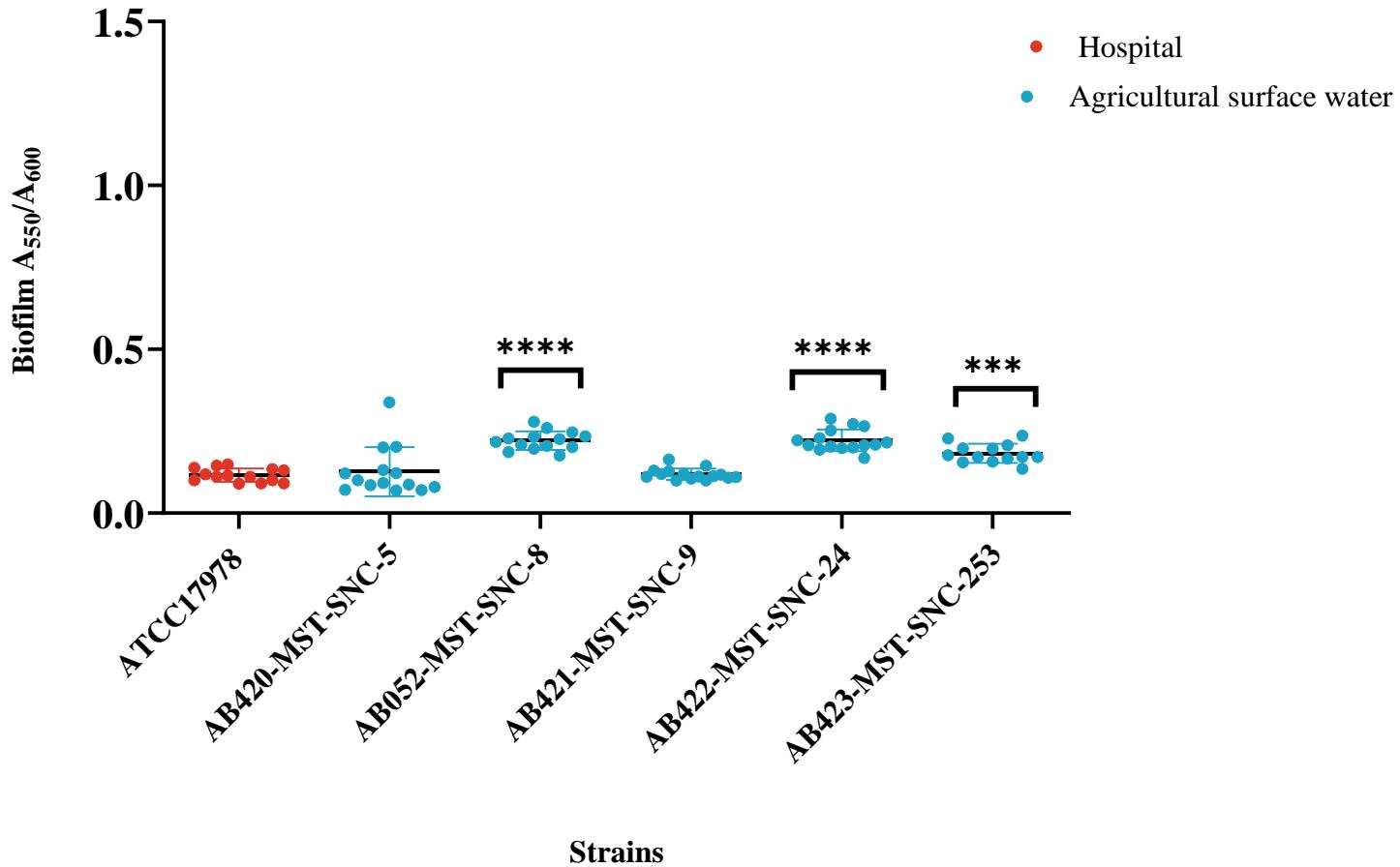
# Figure 5b: Biofilm Formation – Tank milk



# Figure 5c: Biofilm Formation – Stream and WWTP



# Figure 5d: Biofilm Formation – Agricultural Surface water



# Figure 6: Spearman's Correlation Analysis of Motility and Biofilm Formation

