

**Supplementary Table 1.** *E. coli* virulence gene association with clinical characteristics.

Gene	DM	HAC	Immun	CABx	PABx	PHosp	HxUTI	HxE.coli	Hosp	HAI
<i>agn43</i>					-					
<i>aidaI</i>		+								
<i>b1432</i>					-				+	
<i>ccdB</i>				+						
<i>cela</i>			+							
<i>chuA</i>					-	-		-		
<i>cib</i>			+		+		+	+	-	
<i>cka</i>	+		+							
<i>cnfI</i>					-					
<i>cotA</i>						-	-			
<i>cvaC</i>		+								
<i>daaE</i>		+								
<i>eivG</i>				+	+					
<i>eprJ</i>				+	+	+	+		-	
<i>fepC</i>					-	-		-		
<i>fimA</i>			-				-	-	+	
<i>fimH</i>			-				-	-	+	
<i>focA</i>					-	-	-			
<i>focG</i>				-	-					
<i>fyuA</i>					-					
<i>gad</i>			+	+	+					
<i>hlyA</i>					-					
<i>hraI</i>			-							
<i>ibeB</i>			-							
<i>iroN</i>				-		-			+	
<i>irp1</i>					-					
<i>irp2</i>					-					
<i>iss</i>					-					
<i>iucD</i>			+		+					
<i>iutA</i>			+		+					
<i>kpsM-III</i>	+	+								
<i>lpfA (EHEC)</i>					+					
<i>malX</i>					-					
<i>mchB</i>				-	-				+	
<i>mclC</i>			+							
<i>ompT</i>			-	-*	-*	-				
<i>papA(12)</i>						-				
<i>papC</i>			-		-			-	+	
<i>pixA</i>										+
<i>rfB(O101)</i>							+			
<i>sfaA</i>		+								
<i>sfaD</i>				-	-				+	

Gene	DM	HAC	Immun	CAbx	PAbx	PHosp	HxUTI	HxE.coli	Hosp	HAI
<i>spaS</i>				+			+			
<i>tlrA</i>										+*
<i>tsh</i>		+								
<i>tspE4.C2</i>				-	-					
<i>usp</i>			-	-	-	-				
<i>vat</i>				-		-				
<i>virK</i>								+	-	
<i>wzx(O6)</i>					-					
<i>yjaA</i>				-	-					
<i>z4184</i>				+	+	+	+		-	

+ = positively associated; - = negatively associated; CAbx = current antimicrobial therapy; DM = diabetes mellitus; HAC = hyperadrenocorticism; HAI = an infection that was suspected to have been acquired while in the hospital; Hosp = hospitalization for one or more days during the visit when the positive culture was collected; HxE.coli = previous history of at least one urinary tract infection known to be caused by *E. coli*; HxUTI = previous history of urinary tract infections; Immun = current immune-suppressing medication therapy; PAbx = antimicrobial therapy within the 3 mo prior to the positive culture; PHosp = hospitalization within the 3 mo prior to the positive culture.

\* Statistically significant after Bonferroni correction.