

Table. The test cases corresponding to the clinically important *Klebsiella* species whose serotypes are undefined. Note that the protein corresponding to CPS gene cluster is indicated in the 2nd column.

Query ID (Protein)	Selected Protein	Predicted serotype	Identity with the reference sequence (In %)
AKJ75266.1	Wza	KL108	100
AKJ75289.1	Wza	K64	100
AKJ75313.1	Wza	K38	99.74
		KN2	99.2
AKJ75332.1	Wza	K30	99.2
AKJ75379.1	Wza	KL105	100
AKJ75267.1	Wzb	KL108	100
AKJ75290.1	Wzb	K64	100
AKJ75314.1	Wzb	K38	100
AKJ75333.1	Wzb	K30	100
AKJ75380.1	Wzb	KL105	100
AKJ75269.1	Wzx	KL108	100
AKJ75321.1	Wzx	K38	100
AKJ75389.1	Wzx	KL105	100
SCA96241.1	Wzx	K38	99.54
AVR36956.1	Wzx	K16	99.49

AKJ75295.1	Wzy	K64	100
AKJ75318.1	Wzy	K38	100
AKJ75388.1	Wzy	KL105	100
AKJ75251.1	Wzy	KL106	100
SCA96238.1	Wzy	K38	99.76
AKJ75280.1	WcaJ	KL108	100
AKJ75301.1	WcaJ	K64	100
AKJ75351.1	WcaJ	K30	99.78
AKJ75260.1	WcaJ	KL106	98.93
SCA96327.1	WcaJ	K6	99.57
AKJ75317.1	WbaP	K38	99.74
AKJ75382.1	WbaP	KL105	100
SCA96273.1	WbaP	K57	99.79
SCA96336.1	WbaP	K81	100
SCA96254.1	WbaP	K3	100