

Supplementary Table 1 Characteristic features of *Shigella* species under study (n=42).

Strain ID	Species(No.)	Resistance phenotype	Resistance genotype						Plasmid pattern	Plasmids (kb)	Type &Source
			ESBL				<i>Tet(A)</i>	<i>Qac</i>			
			<i>bla</i> TEM	<i>bla</i> CTX-M	<i>bla</i> OXA-1	<i>bla</i> SHV					
SD1,23	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, S, BKC, P	+	-	-	-	+	+	P1	8.89, 4.07, 2.23, 1.26	Raw cow milk
SD2,14	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, BKC, P	+	-	-	-	+	+	P1	8.89, 4.07, 2.23, 1.26	Raw cow milk
SD3,16	<i>S. dysenteriae</i> (2)	TE, AMC, P	+	-	-	-	+	-	P1	8.89, 4.07, 2.23, 1.26	Raw cow milk
SD4,24	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, BKC, P	+	-	-	-	+	+	P3	30.80, 7.12	Raw cow milk
SD5,13	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, BKC, P	+	-	-	-	+	+	P3	30.80, 7.12	Raw cow milk
SD6,15	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, BKC, P	+	-	-	-	+	+	P2	27.51, 4.66, 2.36	Kareish cheese
SD7,18	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, CIP, C, BKC, P	+	-	-	-	+	+	P3	30.80, 7.12	Kareish cheese
SD8,17	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, BKC, P	+	-	-	-	+	+	P4	33.617,2.677	Kareish cheese

SD9,20	<i>S. dysenteriae</i> (2)	TE, AM, AMC, CEC, BKC, P	+	-	-	-	+	+	P2	27.51, 4.66, 2.36	Kareish cheese
SD10,19	<i>S. dysenteriae</i> (2)	TE, AM, AMC, P	+	-	-	-	+	-	P2	27.51, 4.66, 2.36	Kareish cheese
SD11,21	<i>S. dysenteriae</i> (2)	TE, AM, AMC, P	+	-	-	-	+	-	P4	33.617,2.677	Kareish cheese
SD12,22	<i>S. dysenteriae</i> (2)	TE, AM, AMC, BKC, P	+	-	-	-	+	+	P4	33.617,2.677	Kareish cheese
SF1,7	<i>S. flexneri</i> (2)	TE, AM, AMC, CEC, CIP, C, BKC, P	+	-	-	-	+	+	P5	18.59	Raw milk
SF2,8	<i>S. flexneri</i> (2)	TE, AM, AMC, CEC, CTX, CAZ, BKC, P	+	+	-	-	+	+	P6	23.28, 4.40, 2.23	Raw milk
SF3,12	<i>S. flexneri</i> (2)	TE, AM, CEC, CTX, CAZ, BKC, P	+	+	-	-	+	+	P5	18.59	Kareish cheese
SF4,10	<i>S. flexneri</i> (2)	TE, AM, CEC, CTX, CAZ, BKC, P	+	+	-	-	+	+	P5	18.59	Kareish cheese
SF5,11	<i>S. flexneri</i> (2)	TE, AM, AMC, BKC, P	+	-	-	-	+	+	P6	23.28, 4.40, 2.23	Kareish cheese
SF6,9	<i>S. flexneri</i> (2)	TE, AMC, BKC, P	+	-	-	-	+	+	P6	23.28, 4.40, 2.23	Kareish cheese
SS1,6	<i>S. sonnei</i> (2)	TE, AM, AMC, CEC, CTX,	+	+	-	-	+	+	P7	30.80, 1.41	Raw cow milk

		CAZ, BKC, P										
SS2,4	<i>S. sonnei</i> (2)	TE, AM, AMC, CEC, CTX, CAZ, BKC, P	+	+	-	-	+	+	P7	30.80, 1.41	Kareish cheese	
SS3,5	<i>S. sonnei</i> (2)	TE, AM, AMC, CTX, CAZ, BKC, P	+	+	-	-	+	+	P7	30.80, 1.41	Kareish cheese	