

Table 1 Phenotypic (colony morphology and staining properties) characterization of the bacterial isolates

Season	Isolates	Form	Colour	Elevation	Margin	Size (cm)	Consistency	Gram staining	Endospore staining
Summer	BS1	Irregular	Greenish	Flat	Serrated	0.2-0.5	Gummy	+	-
	BS2	Not entirely circular, oval shaped	Creamy, shiny transparent	Raised, convex	Irregular	0.2-0.6	Glossy	+	+
	BS3	Punctiform	Creamish yellow	Slightly raised	Smooth	0.1-0.2	Buttery	+	-
	BS4	Irregular cloud like	Creamy	Flat	Undulating	0.9-1.3	Dry	+	-
	KSG1	Concentric, alternate light and dark bands	Offwhite, opaque	Flat	Partially smooth	1.6-2.1	Dry	+	+
	KSG5	Circular round	Offwhite translucent	Slightly raised	Perfectly round, entire	0.2-0.9	Glossy	+	+
Monsoon	KSG1	Concentric, alternate light and dark bands	Offwhite, opaque	Flat	Partially smooth	1.6-2.1	Dry	+	+
	KSG2	Round	Pure white	Flat	Entire	0.3-0.45	Buttery	+	-
	BM3	Round, circular	Bright yellow opaque	Convex	Entire	0.1-0.4	Buttery	+	-
	BM4							+	
	KSG5	Circular round	Offwhite translucent	Slightly raised	Perfectly round, entire	0.2-0.9	Glossy	+	+
	BM6	Round circular	Red, translucent	Convex	Entire	0.3-0.5	Glossy	+	+
	BM7	Round circular	Cream translucent	Flat	Entire	0.2-0.6	Mucoid	+	-
	BM8	Cloudy appearance	Pigmented, green translucent	Flat	Irregular, lobate	0.3-0.5	Mucoid	+	+
	BM9	Punctiform round colonies	Chocolatty white opaque	Slightly raised	Entire	0.1-0.2	Buttery, mucoid	+	-
	BM10	Round-like with 2 layers	Creamy, translucent	Flat	Uneven	1.2-1.4	Semi dry	+	+
	BM11	Irregular cloud like	Offwhite, opaque	Flat	Uneven	1.3-1.45	Semi dry	+	+
	BM12	Concentric layers	Offwhite, opaque	Flat	Irregular	1.6-2.1	Dry	+	-
	BM13	Rhizoidal	Offwhite	Umbonate	Irregular	0.4-0.6	Wet, glossy	+	-
Post monsoon	KSG1	Concentric, alternate light and dark bands	Offwhite, opaque	Flat	Partially smooth	1.6-2.1	Dry	+	+
	KSG2	Round	Pure white	Flat	Entire	0.3-0.45	Buttery	+	-
	BM3	Round, circular	Bright yellow, opaque	Convex	Entire	0.1-0.4	Buttery	+	-
	KSG5	Circular round	Offwhite translucent	Slightly raised	Perfectly round, entire	0.2-0.9	Glossy	+	+
Winter	KSG1	Concentric, alternate light and dark bands	Offwhite, opaque	Flat	Partially smooth	1.6-2.1	Dry	+	+
	BM3	Round, circular	Bright yellow, opaque	Convex	Entire	0.1-0.4	Buttery	+	-
	KSG5	Circular round	Offwhite translucent	Slightly raised	Perfectly round, entire	0.2-0.9	Glossy	+	+
	BW3	Round	White	Flat	Entire	0.1-0.4	Wet	+	-