Name:	***Subtercola boreus***
Authors:	Männistö et al. 2000
Status:	New Species
Literature:	Int. J. Syst. Bacteriol. 50:1737
Risk group:	1 (German classification)
Type strain:	CCUG 43135, DSM 13056, K300

Literature:

Männistö, M.K., P. Schumann, F.A. Rainey, P. Kämpfer, I. Tsitko, M.A. Tiirola and M.S. Salkinoja-Salonen. 2000.
Subtercola boreus gen. nov., sp. nov., and *Subtercola frigoramans* sp.nov., two new psychrophilic actinobacteria isolated from boreal groundwater.
Int. J. Syst. Bacteriol. 50: 1731-1739

Genus: ***Subtercola*** **FH 6137**
Species: ***boreus***
Numbers in other collections: DSM 13056
Morphology:

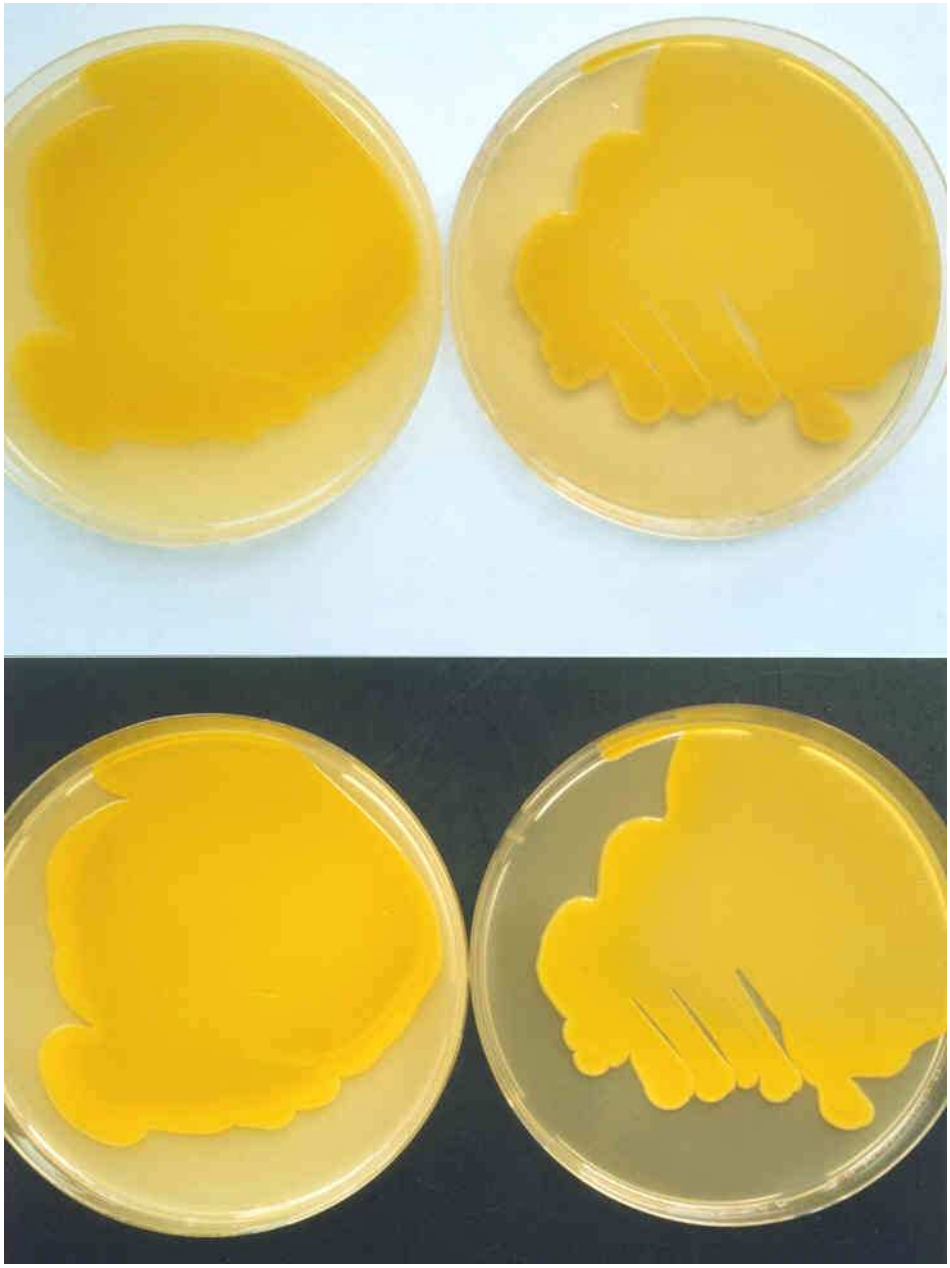
	G	R
ISP 2	good	golden yellow
	A	SP
	none	none
	G	R
ISP 3	good	golden yellow
	A	SP
	none	none
	G	R
ISP 4	sparse	golden yellow
	A	SP
	none	none
	G	R
ISP 5	sparse	golden yellow
	A	SP
	none	none
	G	R
ISP 6	sparse	golden yellow
	A	SP
	none	none
ISP 7	G	R
	sparse	golden yellow
	A	SP
	none	none

Melanoid pigment: - - - -
NaCl resistance:
Lysozyme resistance:
pH: Value- Optimum-
Temperature : Value- Optimum- 22℃
Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	+	+	+	+	+	+	+	+	+

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	+	-	-	+	-	-	-	-	-	-
2(+)	3-	4-	5-	6+	7+	8-	9-	10-	11+	
12-	13-	14-	15-	16+	17+	18-	19-	20-		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
-	+	-	-	+	-	+	-	+	-	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	-	-	-	-			



Subtercola boreus

A and B - Growth on medium 5006 and 5265