

Supplementary

Table 1. Bacterial culture details of Nepali Himalaya and Greenland glaciers.

Strain/ Isolate	Glacier Name	Colour of the culture	Growth Medium	Growth Temperature
YNC-1	Yala glacier	Yellow	NA	15°C
YNC-2	Yala glacier	Cream	1/10NA	15°C
YNC-3	Yala glacier	Yellow	NA	15°C
YNC-4	Yala glacier	White	1/10NA	15°C
YNC-5	Yala glacier	Yellow	NA	15°C
YNC-6	Yala glacier	Cream	NA	15°C
YNC-20	Yala glacier	Cream	NA	4°C
YNC-21	Yala glacier	Cream	1/10MB	4°C
YNC-22	Yala glacier	Cream	NA	4°C
YNC-27	Yala glacier	Cream	NA	1°C
YNC-28	Yala glacier	White	1/10NA	1°C
YNC-30	Yala glacier	Orange	MB	15°C
YNC-31	Yala glacier	Orangish red	1/10PDA	15°C
YNC-32	Yala glacier	Orange	PDA	15°C
YNC-33	Yala glacier	Yellow	NA	15°C
YNC-34	Yala glacier	Creamish brown	NA	15°C
YNC-35	Yala glacier	Cream	NA	15°C
YNC-36	Yala glacier	Yellow	1/10NA	15°C
YNC-42	Yala glacier	Yellow	1/10NA	4°C
YNC-43	Yala glacier	Red	1/10NA	4°C
YNC-44	Yala glacier	Yellow	NA	4°C
YNC-45	Yala glacier	Yellow	NA	4°C
YNC-46	Yala glacier	Yellow	1/10NA	4°C
YNC-47	Yala glacier	Yellow	1/10NA	4°C
YNC-56	Yala glacier	Yellow	1/10NA	1°C
YNC-57	Yala glacier	Yellow	NA	1°C
YNC-58	Yala glacier	Yellow	1/10NA	1°C
YNC-59	Yala glacier	Yellow	NA	1°C
YNC-60	Yala glacier	Yellow	NA	1°C
YNC-61	Yala glacier	Yellow	1/10MB	1°C
YNC-62	Yala glacier	Yellow	1/10NA	1°C
YNC-63	Yala glacier	Cream	MB	1°C
YNC-64	Yala glacier	Yellow	NA	1°C
YNC-70	Yala glacier	Orange	NA	1°C
YNC-72	Yala glacier	Yellow	MB	4°C
YNC-74	Yala glacier	Brown	MB	15°C
YNC-75	Yala glacier	Red	1/10NA	4°C
YNC-77	Yala glacier	Yellow	MB	4°C
TGC-7	Thule glacier	Brownish	NA	15°C
TGC-23	Thule glacier	Cream	NA	4°C
TGC-29	Thule glacier	Cream	1/10NA	1°C
TGC-37	Thule glacier	Orange	MB	15°C
TGC-48	Thule glacier	Yellow	NA	4°C
TGC-49	Thule glacier	Light Pink	1/10PDA	4°C
TGC-50	Thule glacier	Yellow	NA	4°C
TGC-65	Thule glacier	Yellow	1/10NA	1°C
TGC-66	Thule glacier	Yellow	NA	1°C
TGC-73	Thule glacier	Yellow	MB	4°C
RGC-8	Isunnguata Sermia glacier	Yellow	NA	15°C

RGC-9	Isunnguata Sermia glacier	Cream	PDA	15°C
RGC-10	Isunnguata Sermia glacier	White	1/10PDA	15°C
RGC-11	Isunnguata Sermia glacier	White	1/10PDA	15°C
RGC-12	Isunnguata Sermia glacier	Yellow	NA	15°C
RGC-13	Isunnguata Sermia glacier	Yellow	1/10MB	15°C
RGC-24	Isunnguata Sermia glacier	Cream	NA	4°C
RGC-25	Isunnguata Sermia glacier	Yellow	NA	4°C
RGC-38	Isunnguata Sermia glacier	Yellow	PDA	15°C
RGC-39	Isunnguata Sermia glacier	Yellow	MB	15°C
RGC-51	Isunnguata Sermia glacier	Yellow	NA	4°C
RGC-52	Isunnguata Sermia glacier	Yellow	NA	4°C
RGC-67	Isunnguata Sermia glacier	Yellow	1/10MB	1°C
RGC-71	Isunnguata Sermia glacier	Yellowish	NA	1°C
QGC-14	Qaanaaq glacier	Light Yellow	PDA	15°C
QGC-15	Qaanaaq glacier	Cream	NA	15°C
QGC-16	Qaanaaq glacier	Colourless	1/10PDA	15°C
QGC-17	Qaanaaq glacier	Colourless	1/10PDA	15°C
QGC-18	Qaanaaq glacier	Yellow	1/10PDA	15°C
QGC-19	Qaanaaq glacier	Yellow	NA	15°C
QGC-26	Qaanaaq glacier	Yellow	1/10MB	4°C
QGC-40	Qaanaaq glacier	Yellow	1/10MB	15°C
QGC-41	Qaanaaq glacier	Orange	1/10MB	15°C
QGC-53	Qaanaaq glacier	Yellow	NA	4°C
QGC-54	Qaanaaq glacier	Colourless	1/10PDA	4°C
QGC-55	Qaanaaq glacier	Yellow	NA	4°C
QGC-68	Qaanaaq glacier	Yellow	NA	1°C
QGC-69	Qaanaaq glacier	Yellow	1/10MB	1°C
QGC-76	Qaanaaq glacier	Red	NA	15°C
QGC-78	Qaanaaq glacier	Orange	NA	4°C
QGC-79	Qaanaaq glacier	Yellow	PDA	4°C

Table 2. Yeast culture details of Nepali Himalaya and Greenland glaciers.

Strain/ Isolate	Glacier Name	Colour of the culture	Growth Medium	Growth Temperature
J-20	Yala glacier	White	1/10PDA	15°C
J-25	Thule glacier	Cream	MB	15°C
J-31	Isunnguata Sermia glacier	White	PDA	15°C
J-34	Isunnguata Sermia glacier	White	1/10PDA	15°C
J-36	Isunnguata Sermia glacier	White	1/10PDA	15°C
J-39	Isunnguata Sermia glacier	White	PDA	15°C
J-40	Isunnguata Sermia glacier	Cream	PDA	15°C
J-50	Qaanaaq glacier	Cream	PDA	15°C

J-65	Yala glacier	White	1/10PDA	4°C
J-66	Yala glacier	White	1/10PDA	4°C
J-67	Yala glacier	White	1/10PDA	4°C
J-82	Isunnguata Sermia glacier	White	PDA	4°C
J-86	Isunnguata Sermia glacier	White	PDA	4°C
J-89	Isunnguata Sermia glacier	White	MB	4°C
J-92	Isunnguata Sermia glacier	White	1/10MB	4°C
J-93	Isunnguata Sermia glacier	Cream	MB	4°C
J-94	Isunnguata Sermia glacier	White	NA	4°C
J-102	Qaanaaq glacier	White	PDA	4°C
J-103	Qaanaaq glacier	White	1/10PDA	4°C
J-104	Qaanaaq glacier	White	PDA	4°C
J-105	Qaanaaq glacier	Cream	MB	4°C
J-112	Qaanaaq glacier	Cream	PDA	4°C
J-113	Yala glacier	White	NA	1°C
J-117	Yala glacier	White	1/10PDA	1°C
J-120	Yala glacier	White	PDA	1°C
J-121	Yala glacier	White	PDA	1°C
J-127	Isunnguata Sermia glacier	White	PDA	1°C
J-130	Isunnguata Sermia glacier	White	NA	1°C
J-131	Isunnguata Sermia glacier	Cream	PDA	1°C
J-133	Qaanaaq glacier	White	PDA	1°C
J-134	Qaanaaq glacier	White	1/10PDA	1°C
J-135	Qaanaaq glacier	White	PDA	1°C
J-136	Qaanaaq glacier	Cream	MB	1°C
J-138	Qaanaaq glacier	Cream	1/10MB	1°C
J-139	Qaanaaq glacier	White	MB	1°C
J-174	Isunnguata Sermia glacier	Pinkish purple	PDA	15°C
J-181	Qaanaaq glacier	Cream	PDA	15°C
J-205	Thule glacier	Light Pink	1/10PDA	4°C
J-209	Isunnguata Sermia glacier	White	PDA	4°C
J-214	Qaanaaq glacier	White	PDA	4°C
J-216	Qaanaaq glacier	Cream	PDA	4°C
J-221	Yala glacier	White	PDA	1°C
J-225	Yala glacier	White	PDA	1°C
J-229	Yala glacier	White	1/10PDA	1°C
J-237	Isunnguata Sermia glacier	Cream	PDA	1°C

Table 3. Filamentous fungi culture details of Nepali Himalaya and Greenland glaciers.

Strain/ Isolate	Glacier Name	Colour of the culture	Growth Medium	Growth Temperature
J-37	Isunnguata Sermia glacier	White	1/10PDA	15°C
J-41	Isunnguata Sermia glacier	Cream	PDA	15°C
J-48	Qaanaaq glacier	Cream	MB	15°C
J-49	Qaanaaq glacier	White	PDA	15°C
J-72	Yala glacier	Cream	1/10PDA	4°C
J-140	Qaanaaq glacier	Yellow	1/10PDA	1°C
J-147	Yala glacier	Cream	1/10PDA	15°C
J-149	Yala glacier	White	PDA	15°C
J-150	Yala glacier	White	PDA	15°C
J-161	Thule glacier	White	PDA	15°C
J-162	Thule glacier	Cream	PDA	15°C
J-165	Thule glacier	White	PDA	15°C
J-166	Thule glacier	White	PDA	15°C

J-167	Thule glacier	White	PDA	15°C
J-168	Thule glacier	Cream	PDA	15°C
J-171	Thule glacier	White	1/10PDA	15°C
J-175	Isunnguata Sermia glacier	White	PDA	15°C
J-182	Qaanaaq glacier	Cream	PDA	15°C
J-245	Qaanaaq glacier	Cream	NA	1°C