Supplementary Materials for the paper of I.S. Andreeva et al.
"Composition and concentration of biogenic components of the aerosols collected over Vasyugan marshes and Karakan pine forest at altitudes from 500 to 7000 m"

Captions for figures and tables.

Figure S1. Backward trajectories of the movement of air masses, from which sampling was carried out over the Vasyugan marshes at altitudes of 7000 and 5500 m.

Figure S2. Backward trajectories of the movement of air masses, from which sampling was carried out over the Vasyugan marshes at altitudes of 4000 and 3000 m.

Figure S3. Backward trajectories of the movement of air masses, from which sampling was carried out over the Vasyugan marshes at altitudes of 2000 and 1500 m.

Figure. S4. Backward trajectories of the movement of air masses, from which sampling was carried out over the Vasyugan marshes at altitudes of 1000 and 500 m.

Figure S5. Backward trajectories of the movement of air masses, from which sampling was carried out over the Karakan pine forest at altitudes of 7000 and 5500 m.

Figure S6. Backward trajectories of the movement of air masses, from which sampling was carried out over the Karakan pine forest at altitudes of 4000 and 3000 m.

Figure S7. Backward trajectories of the movement of air masses, from which sampling was carried out over the Karakan pine forest at altitudes of 2000 and 1500 m.

Figure S8. Backward trajectories of the movement of air masses, from which sampling was carried out over the Karakan pine forest at altitudes of 1000 and 500 m.

Figure S9. Fungal colonies on Sabouraud's medium, detected by cultivating Karakan and Vasyugan regions aerosol samples at a temperature 6-9 °C.

Table S1. Information about the culture media used.

Table S2. Growth of cultures of isolated fungi at different cultivation temperatures.

Table S3. Sequencing raw results for some isolates.

Table S4. The sensitivity of cultures to antimycotics was considered in accordance with the instructions for using discs with antifungal drugs of the Pasteur Research Institute of Epidemiology and Microbiology.

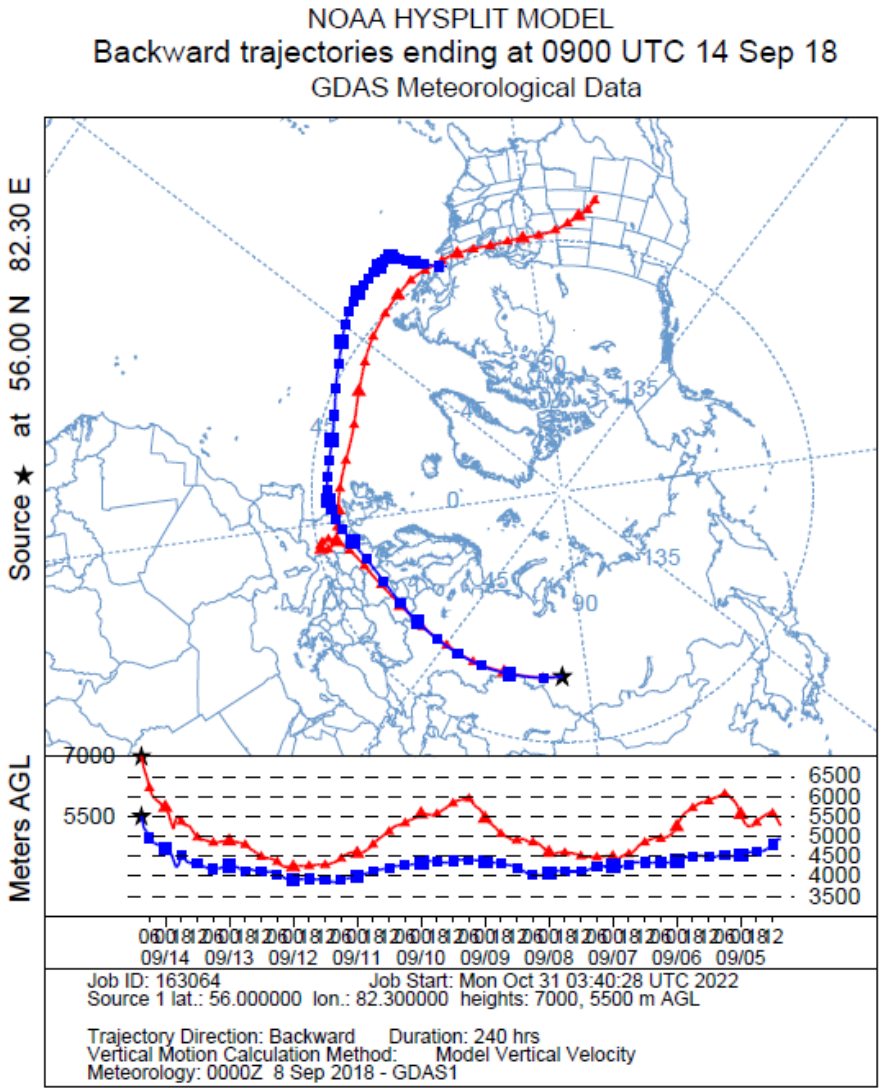


Figure S1.

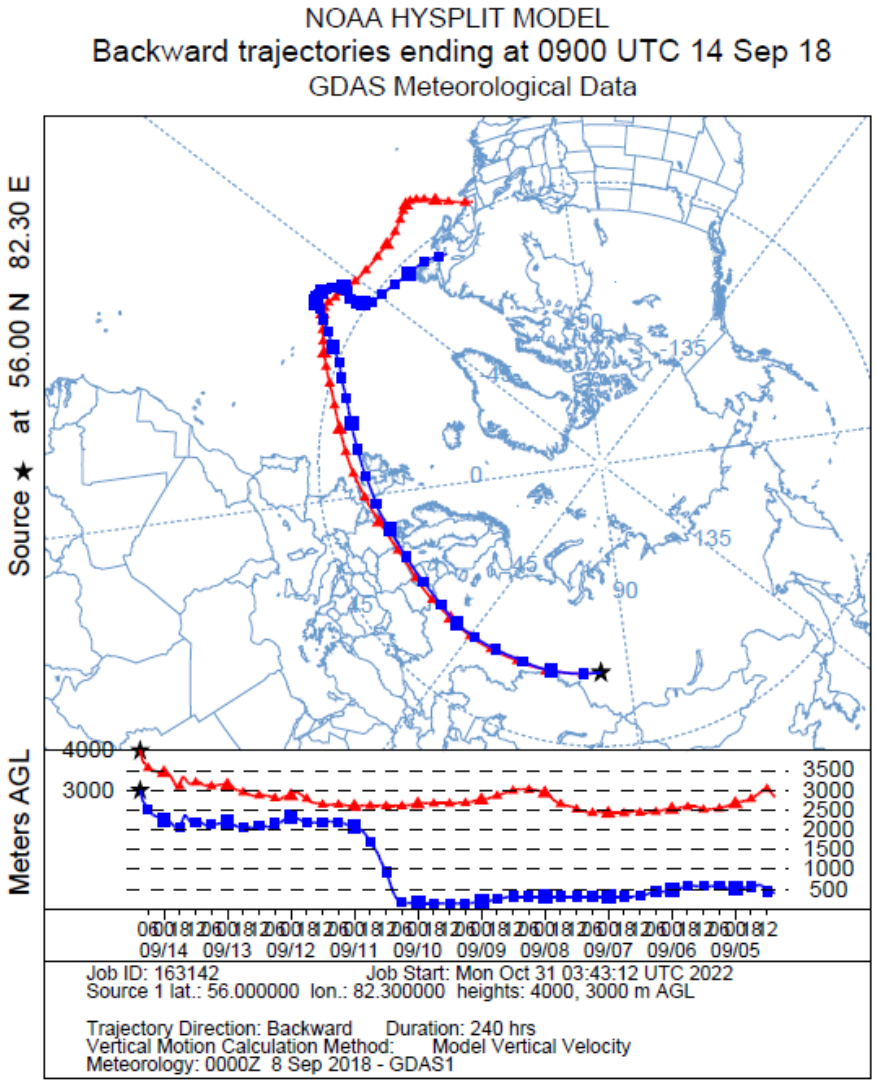


Figure S2.

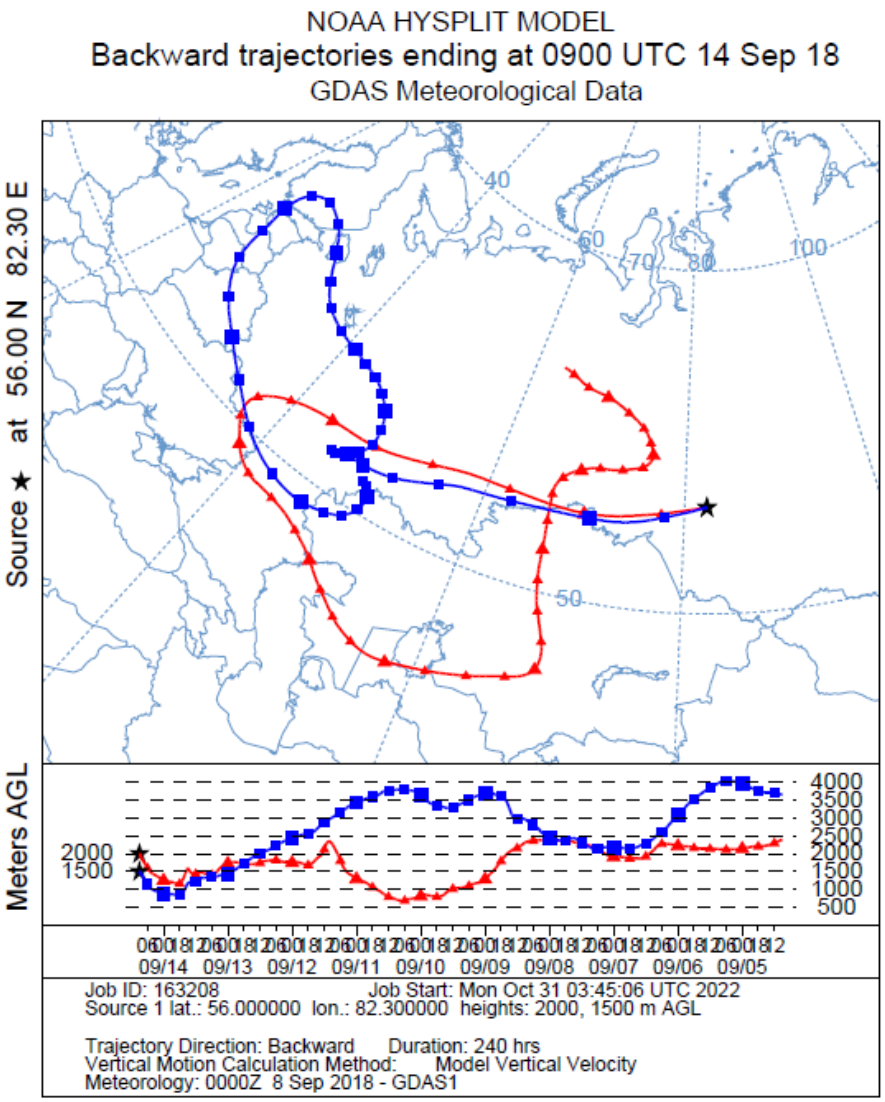


Figure S3.

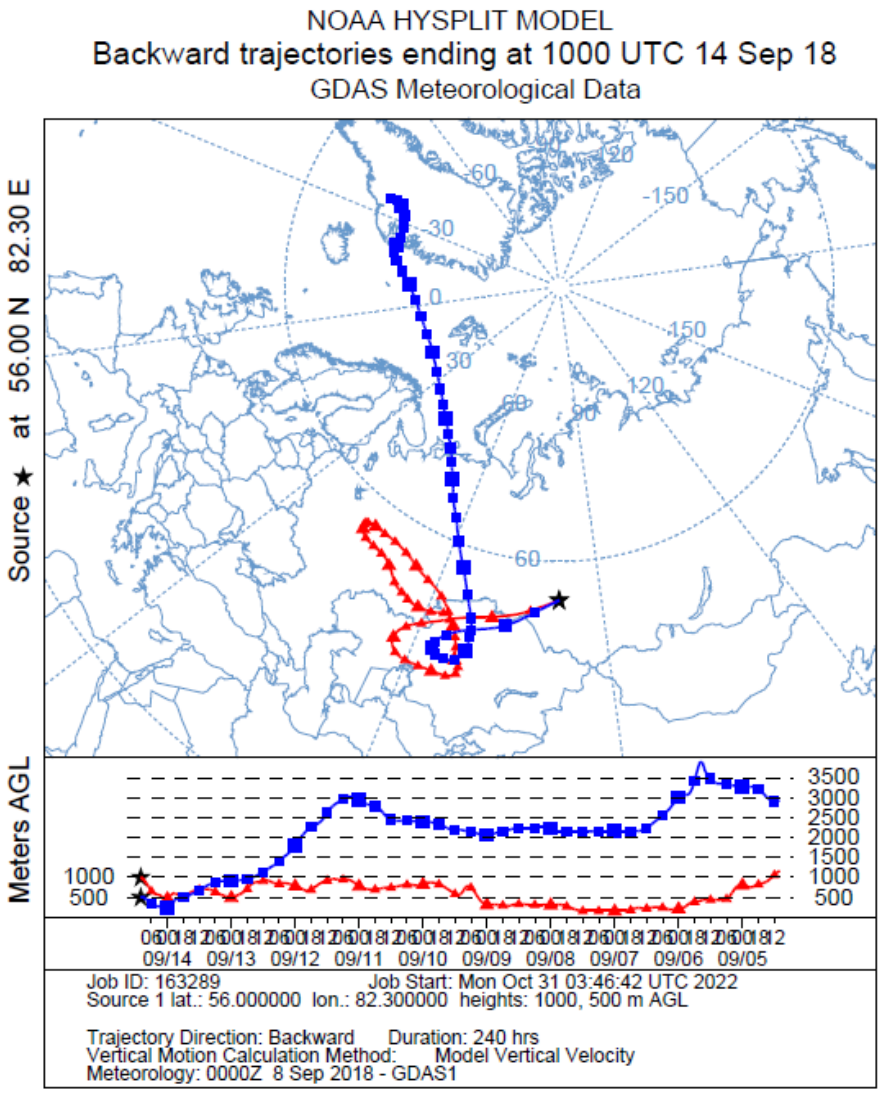
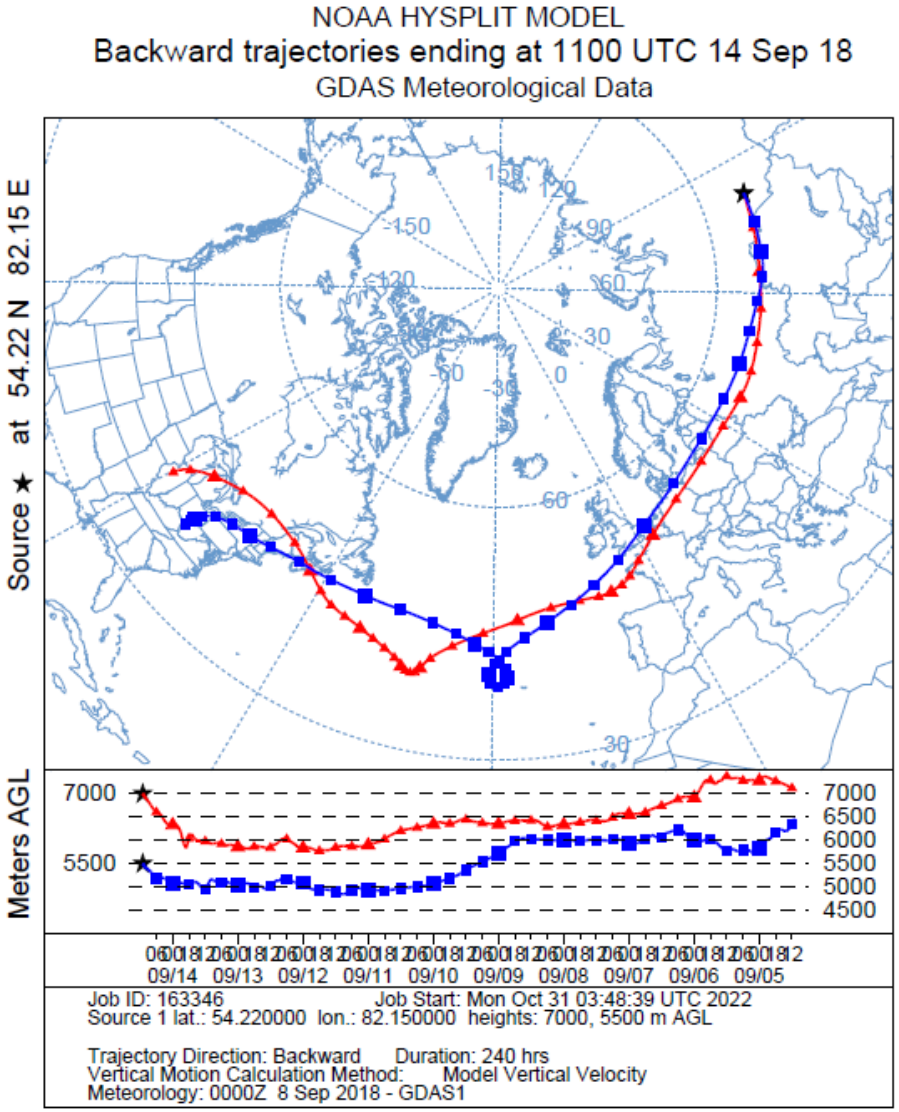


Figure S4.



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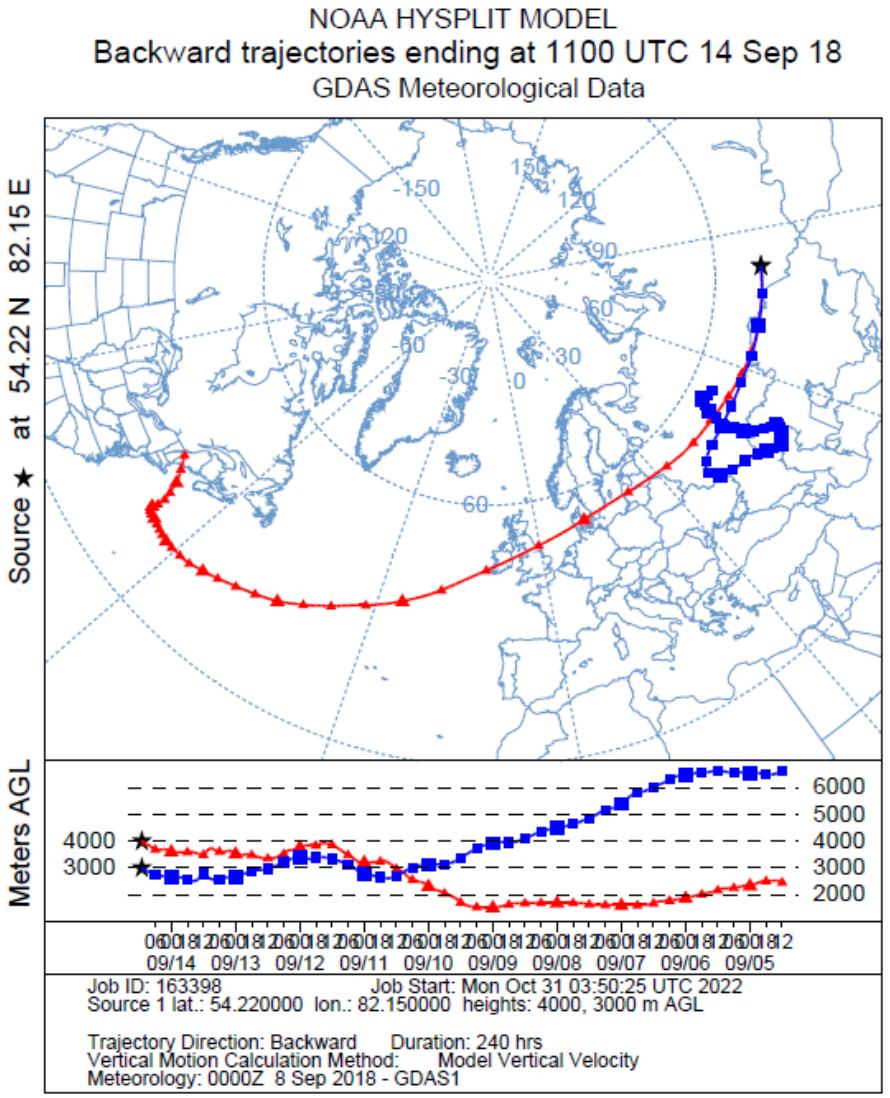

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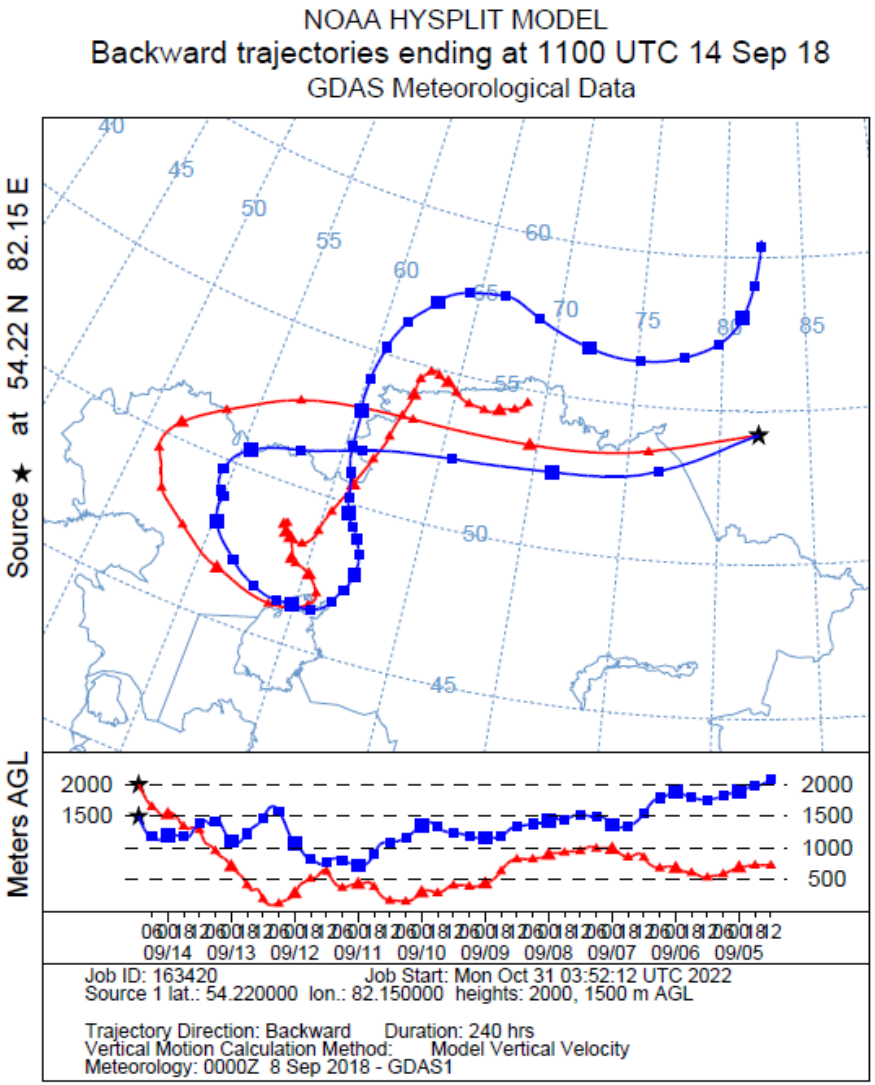


Figure S7.

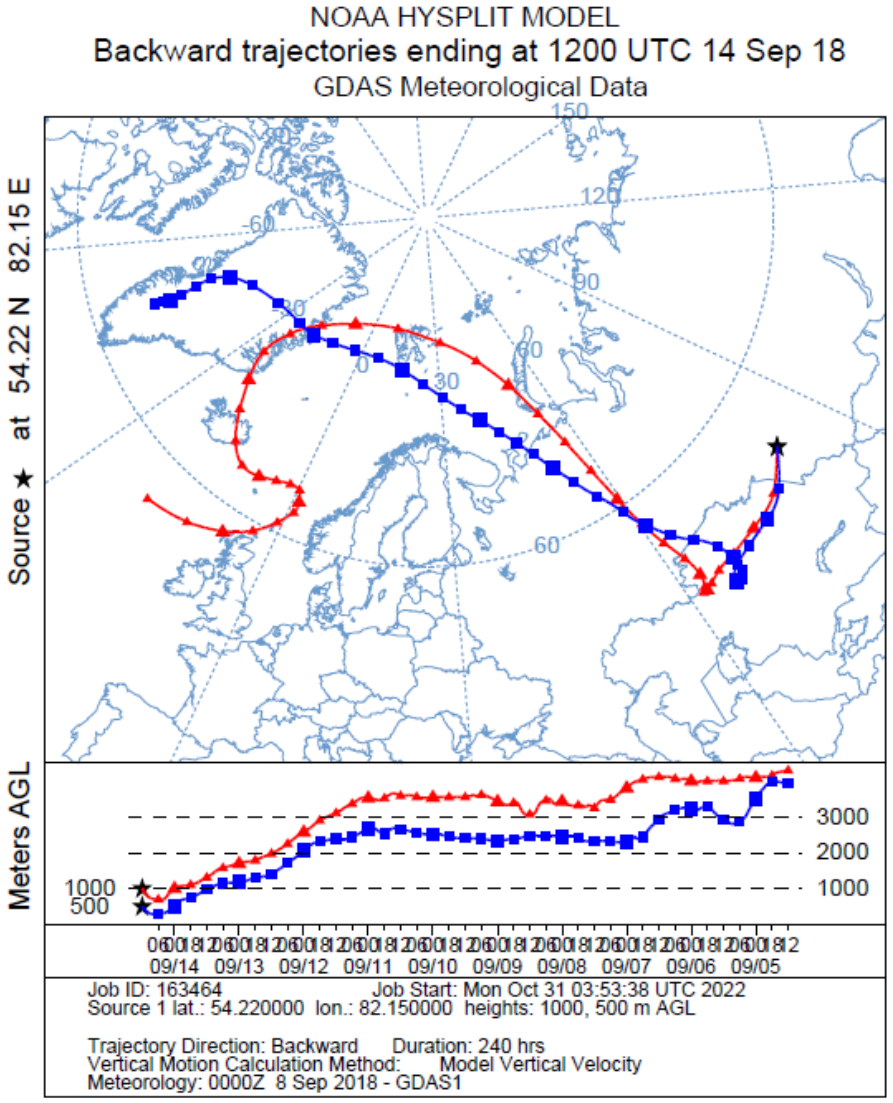


Figure S8.

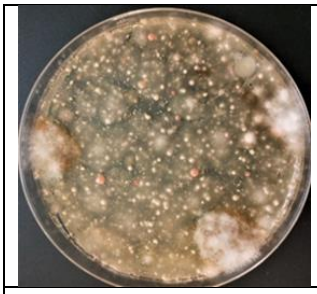
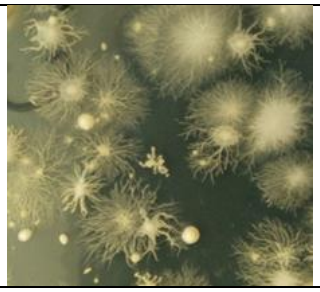
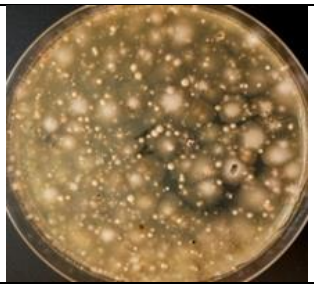
	 
1. Vasyugan area sample, h = 500 m: fungal colonies on Sabouraud's medium	2 3 Vasyugan area sample, h = 1000 m: 2 – fungal colonies on Sabouraud's medium; 3 – *Aureobasidium* colonies.
	 
4. Karakan area sample, h = 500 m: fungal colonies on Sabouraud's medium	5 6 Karakan area sample, h = 1000 m: 5 – fungal colonies on Sabouraud's medium; 6 – *Aureobasidium* colonies.
	7. Karakan area sample, h = 200 - 500 m: colonies of mold fungi and yeast isolated during the cultivation of aerosol samples from 09/08/2022 at a temperature of 6-9 °C.

Figure S9.

Table S1. Information about the culture media used.

The names of culture media	Culture media compositions
Nutrient medium based on fishmeal hydrolysate (HFM) for the quantitative determination of microbial contamination	Pancreatic hydrolysate of fishmeal - 12.0; enzymatic peptone - 12.0; NaCl - 6.0; microbiological agar - 10 ± 2; distilled water up to 1 liter; pH = 7.1 - 7.5.
Starch-ammonia agar (SAA) - synthetic medium, solid, elective. Used to grow amylolytics, including actinomycetes.	(g/l): starch - 10, $(NH_4)_2SO_4$ - 2, K_2HPO_4 - 1, $MgSO_4$ - 1, $CaCO_3$ - 3, agar-agar - 20, distilled water - 1000 ml. Agar is dissolved in 300 ml of water. Separately dissolve the starch in 100 ml of water. Salts are dissolved in the remaining 600 ml of water, heated to a boil, and starch is poured into the boiling solution with continuous stirring, then water with agar is added and sterilized in an autoclave. pH 7.0-7.2.
Sabouraud's medium	(g/l): peptone, 10; maltose 40; agar - 20; distilled water up to 1 liter; pH = 5.4.
Soil agar	(g/l): Air-dry soil taken from the upper horizon of the studied soil or any soil rich in organic matter (peat, chernozem) is freed from plant residues and other inclusions, crushed in a mortar, placed in a flask and poured with distilled water into ratio 1:9. 2% agar is added to the resulting suspension and sterilized twice at 120 ±2 °C for 1 hour. The medium is cooled to 50-60 °C and sterile yeast autolysate is added to it (1 ml per 100 ml of medium). The prepared medium is thoroughly mixed and poured into sterile Petri dishes (the medium should get into the cup along with soil particles). pH 7.0-7.2.

Table S2. Growth of cultures of isolated fungi at different cultivation temperatures.

Strain	6-10 °C	18 °C	24 °C	30 °C	37 °C	50 °C
Dr 9-1	++	+++	+++	+	-	-
Dr 9-5	+	+++	+++	++	±	-
Dr 9-6	+	+++	+++	++	±	-
Dr 9-25	++	+++	+++	±	-	-
Dr 9-26	++	+++	+++	+	-	-
Dr 9-30	++	+++	+++	±	-	-
Dr 10-13	+	+++	+++	+	-	-
Dr 10-15	++	+++	+++	+	-	-
Dr 10-16	+	+	±	±	±	-
Dr 11-7	+	+++	+++	±	-	-
Dr 11-8	++	+++	+++	+	-	-
Dr 11-12	+	+++	+++	+	-	-
Dr 11-13	+	+++	+++	+	-	-
MR 12	++	+++	+++	+	-	-
MR 14	+	+++	+++	++	-	-
MR 58	+	++	+++	+++	++	-
MR 135	+	+++	+++	±	-	-
MR 160	+	+++	+++	±	-	-
MR 166	+	±	-	-	-	-
MR 189	+	+++	+++	-	-	-

Here “+++” means very good microorganism culture growth, “++” - good microorganism culture growth, “+” - moderate microorganism culture growth, “±”- weak microorganism culture growth, and “-“ – no growth at all.

Table S3. Sequencing raw results for some isolates.

Strain	Sequence data
MR 14-ITS.TXT	CTACTGATCCGAGGTCACCTAGAAAATAAAGGTTTCAGTCGGCAGAGTTCCTCTCCTTTGACAGACGTTCGAATA AATTCTACTACGCCTAAAGCCGGAGTGGCCTCGCCGAGGTCTTTAAGGCGCGCCCAACTAAGGACGACGCCCAAT ACCAAGCATAGCTTGAGTGGTGTAATGACGCTCGAACAGGCATGCCCCTCGGAATACCAAGGGGCGCAATGTGC GTTCAAAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGC GAGAACCAAGAGATCCGTTGTTGAAAGTTTTGATTTATTCAAAATTTTAACTCAGACGACCGGTTAAATAACAAG AGTTTGGTTTAACTCTGGCGGGCGCTCGCCTGGGACGAATCCCCAGCGGCTCGAGACCGAGCGGTCCCGCCAAA GCAACAAGGTAGTTTTAACAACAAAGGGTTGGAGGTCGGGCGCTGAGCACCCTTACTCTTTAATGATCCTTCCGC AGGTTCACCTACGGAAACCTTGTTACGACTTTTACTTCCTCTAAATGACCAAG
MR 135-ITS VM-1688_MR-135_ITS	ACTACTGATTGAGGCCAGATCATGAATATGTGGGGTTATCAGCCACCCAGAAGGATGAAACGTATTACATCCAAG GTGCTTATGTCTTTAAGGCGAGCCTTTAGCAAGGCAACACCCAATACACCACCGCTCAGGCAAAAACCCAAGTG GGGTGAGGTTTCATGACACTCAAACAGGCATGCCCTTCGGAATACCAAAGGGCGCAAGGTGCGTTCAAAGATTC GATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAGCCAAGAG ATCCGTTGTTAAAAGTTTTGTTTTTGTTATGATATTACATTCATTACTAACAGTTTGTGATGGCCGAAGCCACAGTT CACGGTGTGTATGGAAACCCTCTTCTTGCGAAGAGAGCAGATCTAACCCAATGATTTGCATCAGAGGGCACTA TTAATGATCCTTCCGCAGGTTCACCTACGGAAACCTTGTTATGACTTTTACTTCCTCTAAATGACCAAGA
Dr 11-7-ITS.TXT	CTACTGATTTGAGGTCAGAGCATAAAATAATGACCTTGCGGTCGGGTTATGAGCAGTCGTCACACCTTGACCAGAC GAAACTTATTACGTCTTAGCCGTGGATGTTATTACCACTAACTCTTTTAAGGCGAGCCAGCGAACTGGCAGACACCC AAGTCCAAGCCCAACACTGATCAGAAACCAGGAGGGGTTGATATTTCATGACACTCAAACAGGCATGCCTTTCGG AATACCAAAAGGCGCAAGGTGCGTTCAAAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATT TCGCTGCGTTCTTCATCGATGCGAGAGCCAAGAGATCCGTTGTTAAAAGTTTTATATGATTAATATAGGTTACGTT CATTACACAGATGTTTGTTATAAGAATCGGTCCGAAGACCAACAGTTCACAGAGGTAGAAGATTATAGTTATTAAG ACCCGGAGGTCAATCACTAATGATCCTTCCGCAGGTTCACCTACGGAAACCTTGTTACGACTTTTACTTCCTCTAAAT GGACCAAGA
Dr 11-12-ITS.TXT	CTACTGATCCGAGGTCACCTAGAAAATAAAGGTTTCAGTCGGCAGAGTTCCTCTCCTTTGACAGACGTTCGAATAAA TTCTACTACGCCTAAAGCCGGAGTGGCCTCGCCGAGGTCTTTAAGGCGCGCCCAACTAAGGACGACGCCCAATACC AAGCATAGCTTGAGTGGTGTAATGACGCTCGAACAGGCATGCCCCTCGGAATACCAAGGGGCGCAATGTGCGTTCA AAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAACCA AGAGATCCGTTGTTGAAAGTTTTGATTTATTCAAAATTTTAACTCAGACGACCGGTTAAATAACAAGAGTTTGGTTTAA CTCTGGCGGGCGCTCGCCTGGGACGAATCCCCAGCGGCTCGAGACCGAGCGGTCCCGCCAAAGCAACAAGGTAGTT TTAACAACAAAGGGTTGGAGGTCGGGCGCTGAGCACCCTTACTCTTTAATGATCCTTCCGCAGGTTCACCTACGGAAA CCTTGTTACGACTTTTACTTCCTCTAAATGACCAAGA
Dr 11-13-ITS.TXT	CTACTGATTGAGGCAGATCATGAGTTATGTGGGGTTATCAGCCACTCGTAAGGATGAAACGTATTACATCCAAAGTT GCTTATGCTTTTAAGGTGAGCCAGTAACGGCAGACACCCAATCCACCACCGCTCGGGCAAAAACCCAAGTGGGGTGA GGTTTCATGACACTCAAACAGGCATGCCCTTCGGAATACCAAAGGGCGCAAGGTGCGTTCAAAGATTCGATGATTCA CTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAGCCAAGAGATCCGTTGTTAAA AGTTTTATGTTTGTTATGATGTTACATTCATTACTAACAGTTTGTGTAAATGGCCGAAGCCACAGTTCACGGTGTGTGAG ATAAGGTCGACTCCGAAGAGACCGACACAAACCCTACCAGTCCAAAGACTTCGAGGGCATCATTAATGATC CTTCCGCAGGTTCACCTACGGAAACCTTGTTATGACTTTTACTTCCTCTAAATGGACCAAGA
Dr 9-1-ITS.TXT	TCTACTGATCGAGGTCACCTAGAAAATAAAGGTTTCAGTCGGCAGAGTTCCTCTCCTTTGACAGACGTTCGAATAAA TTCTACTACGCCTAAAGCCGGAGTGGCCTCGCCGAGGTCTTTAAGGCGCGCCCAACTAAGGACGACGCCCAATACC AAGCATAGCTTGAGTGGTGTAATGACGCTCGAACAGGCATGCCCCTCGGAATACCAAGGGGCGCAATGTGCGTTCA AAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAACCA AGAGATCCGTTGTTGAAAGTTTTGATTTATTCAAAATTTTAACTCAGACGACCGGTTAAATAACAAGAGTTTGGTTTA ACTCTGGCGGGCGCTCGCCTGGGACGAATCCCCAGCGGCTCGAGACCGAGCGGTCCCGCCAAAGCAACAAGGTAGT TTTAACAACAAAGGGTTGGAGGTCGGGCGCTGAGCACCCTTACTCTTTAATGATCCTTCCGCAGGTTCACCTACGGA AACCTTGTTACGACTTTTACTTCCTCTAAATGACAAGA
Dr 9-5-ITS.TXT	CCTACTGATCCGAGGTCACCTAGAAAATAAAGGTTTCAGTCGGCAGAGTTCCTCTCCTTTGACAGACGTTCGAATAAA TTCTACTACGCCTAAAGCCGGAGTGGCCTCGCCGAGGTCTTTAAGGCGCGCCCAACTAAGGACGACGCCCAATACC AAGCATAGCTTGAGTGGTGTAATGACGCTCGAACAGGCATGCCCCTCGGAATACCAAGGGGCGCAATGTGCGTTC AAAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAAC CAAGAGATCCGTTGTTGAAAGTTTTGATTTATTCAAAATTTTAACTCAGACGACCGGTTAAATAACAAGAGTTTGGT TTAACTCTGGCGGGCGCTCGCCTGGGACGAATCCCCAGCGGCTCGAGACCGAGCGGTCCCGCCAAAGCAACAAGGT AGTTTTAACAACAAAGGGTTGGAGGTCGGGCGCTGAGCACCCTTACTCTTTAATGATCCTTCCGCAGGTTCACCTACG GAAACCTTGTTACGACTTTTACTTCCTCTAAATTGACCAAGA

Dr 9-6-ITS.TXT	CTACTGATCCGAGGTCACCTAGAAAATAAAGGTTTCAGTCGGCAGAGTTCCTCTCCTTTGACAGAC GTTCGAATAAATTCTACTACGCCTAAAGCCGGAGTGGCCTCGCCGAGGTCTTTAAGGCGCGCCCAA CTAAGGACGACGCCCAATACCAAGCATAGCTTGAGTGGTGTAATGACGCTCGAACAGGCATGCCC CTCGGAATACCAAGGGGCGCAATGTGCGTTCAAAGATTCGATGATTCACTGAATTCTGCAATTCACA TTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAACCAAGAGATCCGTTGTTGAAAGTTTTG ATTTATTCAAAATTTTAACTCAGACGACCGGTTAAATAACAAGAGTTTGGTTTAACTCTGGCGGGCGC TCGCCTGGGACGAATCCCCAGCGGCTCGAGACCGAGCGGTCCCGCCAAAGCAACAAGGTAGTTTTA ACAACAAAGGGTTGGAGGTCGGGCGCTGAGCACCCTTACTCTTTAATGATCCTTCCGCAGGTTCACC TACGGAAACCTTGTTACGACTTTTACTTCCTCTAAATGACCAAGA
Dr 9-25-ITS.TXT	CTACTGATTGAGGTCAAGTCAAAAGTGCGCGATGGCAGGTTATGAGCGGTCATCACCACAAGGAGA GACGAAACTTATTACGTCTAACACTGATGCGGGATGTTCCACTAAGTCATTTGAGGTGAGCCATTGCT GGCAGACACCCATGTCCAAGCCCAACCAGGTCAAAAACCTAGAAGGGTTGAGATTTCATGACACTCAA ACAGGCATGCCTTTCGGAATACCAAAAGGCGCAAGGTGCGTTCAAAGATTCGATGATTCACTGAATTC TGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGAGAGCCAAGAGATCCGTTGTT GAAAGTTTTGTTTCGTTAAGATACTCTTACGTTCGTTACACTGATGTTTGATTGTAGACCCAGAGGTCCA ACAGTTCACAGAGGTGGTAGAATCTGATAAGGTCTTTCGACCAATCAATAATGATCCTTCCGCAGGTTC ACCTACGGAAACCTTGTTACGACTTTTACTTCCTCTAAATGGACCAAGA
Dr 9-26-ITS.TXT	CTACTGATCGAGGTCACCTAGAAAATAAAGGTTTCAGTCGGCAGAGTTCCTCTCCTTTGACAGACGTTCGAATAA ATTCTACTACGCCTAAAGCCGGAGTGGCCTCGCCGAGGTCTTTAAGGCGCGCCCAACTAAGGACGACGCCCAATA CCAAGCATAGCTTGAGTGGTGTAATGACGCTCGAACAGGCATGCCCCTCGGAATACCAAGGGGCGCAATGTGCG TTCAAAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCGA GAACCAAGAGATCCGTTGTTGAAAGTTTTGATTTATTCAAAATTTTAACTCAGACGACCGGTTAAATAACAAGAG TTTGGTTTAACTCTGGCGGGCGCTCGCCTGGGACGAATCCCCAGCGGCTCGAGACCGAGCGGTCCCGCCAAAGC AACAAGGTAGTTTTAACAACAAAGGGTTGGAGGTCGGGCGCTGAGCACCCTTACTCTTTAATGATCCTTCCGCA GGTTCACCTACGGAAACCTTGTTACGACTTTTACTTCCTCTAAATGACCAAGA
Dr 9-30-ITS	GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGA ACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGTCATTACACCACTCAAGCTATGCTTGG TATTGGGTGTCGTCCTTAGTTGGGCGCGCCTTAAAGACCTCGGCGAGGCCTCCCCGGCTTTAGGCGTAGTAGAAT TTATTCGAACGTCTGTCAAAGGAGAGGAACTCTGCCGACTGAAACCTTTATTTTTACAGGTTGACCTCGGATCAGG TAGGGGATACC
Dr 10-13-ITS	CTTGGTCATTTAGAGGAAGTAAAAGTCATAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAATGATGCCCTCG AAGTCTTTGGACTGGTAGGGTTTGTGTCGGTCTCTTCGGAGTCGACCTTATCTCACACACCGTGAACTGTGGCTTCGGCC ATTTACACAAACTGTTAGTAATGAATGTAACATCATAACAAACATAAAACTTTTAACAACGGATCTCTTGGCTCTCGCAT CGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTG CGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCATGAAACCTCACCCCACTTGGGTTTTTGCCCGAGCGGTGG TGGATTGGGTGTCTGCCGTTACTGGCTCACCTTAAAAGCATAAGCAACTTTGGATGTAATACGTTTCATCCTTACGAGTG GCTGATAACCCCACATAACTCATGATCTGGCCTCAAATCAGGTAGGGCTACC
Dr 10-15-ITS	GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC ATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGTCATTACACCACTCAAGCTATGCTTGGTATTGGGCGTC GTCCTTAGTTGGGCGCGCCTTAAAGACCTCGGCGAGGCCACTCCGGCTTTAGGCGTAGTAGAATTTATTCGAACGTCTGT CAAAGGAGAGGAACTCTGCCGACTGAAACCTTTATTTTTCTAGGTTGACCTCGGATCAGGTAGGGATACCC
Dr 10-16M-ITS	GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC ATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGTCATTACACCACTCAAGCTATGCTTGGTATTGGGCGTC GTCCTTAGTTGGGCGCGCCTTAAAGACCTCGGCGAGGCCACTCCGGCTTTAGGCGTAGTAGAATTTATTCGAACGTCTGT CAAAGGAGAGGAACTCTGCCGACTGAAACCTTTATTTTTCTAGGTTGACCTCGGATCAGGTAGGGATACCC
Dr 11-8-ITS	GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC ATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGTCATTACACCACTCAAGCTATGCTTGGTATTGGGCGTC GTCCTTAGTTGGGCGCGCCTTAAAGACCTCGGCGAGGCCACTCCGGCTTTAGGCGTAGTAGAATTTATTCGAACGTCTGT CAAAGGAGAGGAACTCTGCCGACTGAAACCTTTATTTTCTAGGTTGACCTCGGATCAGGTAGATAC
MR 12-ITS	GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC ATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGTCATTACACCACTCAAGCTATGCTTGGTATTGGGCGTC GTCCTTAGTTGGGCGCGCCTTAAAGACCTCGGCGAGGCCACTCCGGCTTTAGGCGTAGTAGAATTTATTCGAACGTCTGT CAAAGGAGAGGAACTCTGCCGACTGAAACCTTTATTTTCTAGGTTGACCTCGGATCAGTAGA
MR 58-ITS	TCTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACAGTATTCTTT TGCCAGCGCTTAACTGCGCGGCGAAAAACCTTACACACAGTGTCTTTTTGATACAGAACTCTTGCTTTGGTTTGGCCTAG AGATAGGTTGGGCCAGAGGTTTAACAAAACACAATTTAATTATTTTTACAGTTAGTCAAATTTTGAATTAATCTTCAAAA CTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATATGAATTGCAGATTTT

	CGTGAATCATCGAATCTTTGAACGCACATTGCGCCCTCTGGTATTCCAGAGGGCATGCCTGTTTGAGCGTCATTTCTCTC TCAAACCCCCGGGTTTGGTATTGAGTGATACTCTTAGTCGGACTAGGCGTTTGCTTGAAAAGTATTGGCATGGGTAGTAC TAGATAGTGCTGTCGACCTCTCAATGTATTAGGTTTATCCAACTCGTTGAATGGTGTGGCGGGATATTTCTGGTATTGTT GGCCCGGCCTTACAACAACCAAACAAGTTTGACCTCAAATCAGGTAGGAATAC
MR 160-ITS	CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCACTAAAGTAAACGCCC TCCGGGGCTCTCTTTATTCACACACCCCTGTGCACTTTGGCCACCTGCCGCGCTTCACTGCGTTAGTAGGTGTGTCTTTA TAATTATACCCATATACACAAGTCATTGAATGTAAAATCGTTATAAACTAATATAACTTTCAACAACGGATCTCTTGGTT CTCGCATCGATGAAGAACGCAGCGAATTGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG CATCTTGCGCTCTTTGGTATTCCGAAGAGCATGCCTGTTTGAGTGTCATGAAACTCTCACCTCCAGCCTTCTTTAATTAG AGGTGTTGGGGCGTGGACGTGAGTGCTGCTGGTGCCCTGGTTGCATCGGCTCACTTGAAATATGTTAGCTGACTCCTCTA GAGGTGGTTCTACTCGACGTGATAAGATCTCCGTCGAGGACAGTGCAACTTGTTGTGCTGGCCGCTCCTAGCAGTTGACG TCGCTTCTAATTAGCGCAGACTTCGAGTGCTGGCAACTTTTGACAACTTGGCCTCAAATCAGGTAGGACTAC
MR 166-ITS	CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCACTAAAGTAAACGCCC TCCGGGGCTCTCTTTATTCACACACCCCTGTGCACTTTGGCCACCTGCCGCGCTTAACTGCGTTAGTAGGTGTGTCTCTT TATTTATACCCATATACACAAGTCATTGAATGTAAAATCGTTATAAACTAATATAACTTTCAACAACGGATCTCTTGGTT CTCGCATCGATGAAGAACGCAGCGAATTGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG CATCTTGCGCTCTTTGGTATTCCGAAGAGCATGCCTGTTTGAGTGTCATGAAACTCTCACCTCCAGCCTTCTTTAATTAG AGGTGTTGGGGCGTGGACGTGAGTGCTGCTGGTGCCCTGGTTGCATCGGCTCACTTGAAATACATTAGCTGAATCCTCTA GAGGTGGTTCTACTCGACGTGATAAGATCTCCGTCGAGGACAGTGCAACTTGTTGTGCTGGCCGCCGCTAGCAGTTGATA CGCTTCTAATTAGCGCAGACTTCGAGTGCTGGCAACTTTTGACAACTTGGCCTCAAATCAGGTAGGACTAC
MR 189-ITS	CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAATGAATTTAGAT TGAACCATAGGCGAAAGCCAGTGGTTCTTCTTTCATATCCATAACACCTGTGCACTGTTGGATGCTTGCATCCACTTTTA AACTAAACATTATTGTAACAAATGTAGTCTTATTATAACATAATAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATC GATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGC GCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAACCCTCAAACCCAAGTTTTGGATTTCGATCCATGCT TGAGTTTGGATTTGGATGTTTGCCGGTGATGAACCGACTCATCTTAAAAGTATTAGCTTGGATCTGTCTATATGACTGGT TTGACTTGGCATAATAAGTATTTTGCTGAGGACATCTTCGGATGGCCAGGACCTAGACTACTGTCTGCTAACTAAACCAT CACTTTAAGTGCATCTTTGGATGTTACTCATTGTGTAACTTTGACATCTGGCCTCAAATCAAGTAGGACTAC

Four types of bases are found in a DNA molecule usually: letter “A” stands for adenine, letter “C” stands for cytosine, letter “G” stands for guanine, and letter “T” stands for thymine.

Table S4. The sensitivity of cultures to antimycotics was considered in accordance with the instructions for using discs with antifungal drugs of the Pasteur Research Institute of Epidemiology and Microbiology.

No.	Name of discs with medicines	Diameters of colony growth suppression zones, mm		
		sustainable	semisensitive	sensitive
1	fluconazole, 40 μg	≤19	20-28	≥29
2	nystatin, 80 μg	<18	-	≥18
3	itraconazole, 10 μg	≤13	14-18	≥19
4	clotrimazole, 10 μg	<12	-	≥12
5	ketoconazole, 20 μg	≤19	20-25	≥26
6	amphotericin B, 40 μg	<14	-	≥14