

UNEARTHING ANCIENT
MICROBIAL LIFE

BEAT FREY

	<i>Dioszegia patagonica</i> 001	Day 8
	<i>Pseudogymnoascus verrucosus</i> 114	
001	Potato Dextrose Agar with sepia ink	3:1
	<i>Clavibacter michiganensis</i> 075	Day 4
003	Cystine-Lactose-Electrolyte Deficient Agar	1:1
	<i>Pseudogymnoascus pannorum</i> 317	Day 18
005	Potato Dextrose Agar with sepia ink	1:1
	<i>Pochonia/Metacordyceps chlamydosporia</i> 205	Day 105
007	Potato Dextrose Agar with sepia ink	1:1
	<i>Aotearoamyces nothofagi</i> 548	Day 8
	<i>Cystobasidium laryngis</i> 523	
	<i>Dioszegia patagonica</i> 001	
	<i>Naganishia albida</i> 355	
	<i>Pseudogymnoascus pannorum</i> 511	
	<i>Pseudogymnoascus pannorum</i> 512	
	<i>Solicoccozyma terricola</i> 340	
008-009	Rose-Bengal Chloramphenicol Agar	3:1
	<i>Pseudogymnoascus pannorum</i> 511	Day 6
011	Rose-Bengal Chloramphenicol Agar	1:1
	<i>Aotearoamyces nothofagi</i> 548	Day 29
	<i>Cystobasidium laryngis</i> 523	
	<i>Dioszegia patagonica</i> 001	
	<i>Gamsia columbina</i> 325	
	<i>Naganishia albida</i> 355	
013	Rose-Bengal Chloramphenicol Agar	1:1
	<i>Pseudogymnoascus pannorum</i> 276	Day 134
015	Cystine-Lactose-Electrolyte Deficient Agar	4:1
	<i>Linnemannia amoeboidea</i> 498	Day 18
	<i>Pochonia/Metacordyceps chlamydosporia</i> 205	
	<i>Pseudogymnoascus pannorum</i> 511	
017	Potato Dextrose Agar with sepia ink	1:1
	<i>Dioszegia patagonica</i> 001	Day 26
	<i>Pseudogymnoascus pannorum</i> 511	
	<i>Pseudogymnoascus verrucosus</i> 114	
018-019	Potato Dextrose Agar with sepia ink	3:1
	<i>Acrodontium pigmentosum</i> 537	Day 26
	<i>Cystobasidium laryngis</i> 523	
	<i>Dioszegia patagonica</i> 001	
	<i>Pseudogymnoascus pannorum</i> 317	
	<i>Pseudogymnoascus verrucosus</i> 114	
	<i>Solicoccozyma terricola</i> 340	
021	Potato Dextrose Agar with sepia ink	1:1

023	<i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	Day 20 4:1
025	<i>Acrodontium pigmentosum</i> 537 <i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Pseudogymnoascus pannorum</i> 317 <i>Solicoccozyma terricola</i> 340 Potato Dextrose Agar with sepia ink	Day 26 1:1
027	<i>Dioszegia patagonica</i> 001 <i>Pseudogymnoascus verrucosus</i> 114 Potato Dextrose Agar with sepia ink	Day 29 1:1
029	<i>Dioszegia patagonica</i> 001 <i>Gamsia columbina</i> 325 <i>Halokirschsteiniiothelia maritima</i> 107 <i>Pseudogymnoascus pannorum</i> 317 Potato Dextrose Agar	Day 16 1:1
030-031	<i>Halokirschsteiniiothelia maritima</i> 107 <i>Pseudogymnoascus pannorum</i> 276 <i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar	Day 36 3:1
033	<i>Pochonia/Metacordyceps chlamydosporia</i> 205 Potato Dextrose Agar with sepia ink	Day 16 1:1
034-035	<i>Dioszegia patagonica</i> 001 <i>Cystobasidium laryngis</i> 523 Potato Dextrose Agar	Day 14 3:1
037	<i>Cystobasidium laryngis</i> 523 <i>Phyllozyma linderæ</i> 532 <i>Solicoccozyma terricola</i> 340 Rose-Bengal Chloramphenicol Agar	Day 14 1:1
038-039	<i>Acrodontium pigmentosum</i> 537 <i>Aotearoamyces nothofagi</i> 548 <i>Dioszegia patagonica</i> 001 <i>Gamsia columbina</i> 325 <i>Solicoccozyma terricola</i> 340 Rose-Bengal Chloramphenicol Agar	Day 24 3:1
041	<i>Dioszegia patagonica</i> 001 <i>Linnemannia amoeboides</i> 498 <i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	Day 32 1:1
043	<i>Streptomyces fildesensis</i> 168 Cystine-Lactose-Electrolyte Deficient Agar	Day 29 1:1

	<i>Linnemannia amoeboidea</i> 498	Day 22
045	<i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	1:1
	<i>Pseudogymnoascus pannorum</i> 317	Day 16
047	<i>Solicoccozyma terricola</i> 340 Potato Dextrose Agar with sepia ink	1:1
	<i>Linnemannia amoeboidea</i> 498	Day 14
048-049	<i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	3:1
	<i>Massilia eurypsychrophila</i> 177	Day 36
051	Potato Dextrose Agar with sepia ink	1:1
	<i>Acrodontium pigmentosum</i> 537	Day 22
052-053	<i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 Potato Dextrose Agar	3:1
	<i>Pseudogymnoascus pannorum</i> 276	Day 134
055	Cystine-Lactose-Electrolyte Deficient Agar	1:1
	<i>Rhodococcus psychrotolerans</i> 122	Day 18
057	Cystine-Lactose-Electrolyte Deficient Agar	1:1
	<i>Pseudogymnoascus pannorum</i> 317	Day 18
059	Potato Dextrose Agar with sepia ink	4:1
	<i>Pseudogymnoascus verrucosus</i> 543	Day 29
061	Potato Dextrose Agar with sepia ink	1:1
	<i>Clavibacter michiganensis</i> 075	Day 4
063	Cystine-Lactose-Electrolyte Deficient Agar	4:1
	<i>Acrodontium pigmentosum</i> 537	Day 26
064-065	<i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Pseudogymnoascus pannorum</i> 317 <i>Solicoccozyma terricola</i> 340 Potato Dextrose Agar with sepia ink	3:1
	<i>Halokirschsteiniothelia maritima</i> 107	Day 22
067	Potato Dextrose Agar with sepia ink	1:1
	<i>Gamsia columbina</i> 325	Day 36
069	Rose-Bengal Chloramphenicol Agar	1:1

	<i>Acrodontium pigmentosum</i> 537	Day 10
	<i>Aotearoamyces nothofagi</i> 548	
	<i>Cystobasidium laryngis</i> 523	
	<i>Dioszegia patagonica</i> 001	
	<i>Gamsia columbina</i> 325	
	<i>Naganishia albida</i> 355	
	<i>Phyllozoma linderæ</i> 532	
071	Rose-Bengal Chloramphenicol Agar	1:1
	<i>Acrodontium pigmentosum</i> 537	Day 22
	<i>Aotearoamyces nothofagi</i> 548	
	<i>Gamsia columbina</i> 325	
072-073	Rose-Bengal Chloramphenicol Agar	3:1
	<i>Pseudogymnoascus roseus</i> 331	Day 50
075	Rose-Bengal Chloramphenicol Agar	1:1
	<i>Dioszegia patagonica</i> 001	Day 64
	<i>Pochonia/Metacordyceps chlamydosporia</i> 205	
	<i>Pseudogymnoascus pannorum</i> 511	
077	Potato Dextrose Agar with sepia ink	1:1
	<i>Cystobasidium laryngis</i> 523	Day 14
	<i>Dioszegia patagonica</i> 001	
	<i>Pseudogymnoascus verrucosus</i> 114	
079	Potato Dextrose Agar	1:1
	<i>Dioszegia patagonica</i> 001	Day 16
	<i>Gamsia columbina</i> 325	
	<i>Halokirschsteiniotelia maritima</i> 107	
	<i>Pseudogymnoascus pannorum</i> 317	
080-081	Potato Dextrose Agar	3:1
	<i>Dioszegia patagonica</i> 001	Day 14
083	Cystine-Lactose-Electrolyte Deficient Agar	1:1
	<i>Cystobasidium laryngis</i> 523	Day 14
	<i>Naganishia albida</i> 355	
	<i>Phyllozoma linderæ</i> 532	
085	Rose-Bengal Chloramphenicol Agar	1:1
	<i>Aotearoamyces nothofagi</i> 548	Day 29
	<i>Cystobasidium laryngis</i> 523	
	<i>Dioszegia patagonica</i> 001	
	<i>Gamsia columbina</i> 325	
	<i>Naganishia albida</i> 355	
086-087	Rose-Bengal Chloramphenicol Agar	3:1
	<i>Dioszegia patagonica</i> 001	Day 14
089	Rose-Bengal Chloramphenicol Agar	1:1

091	<i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Phyllozoma linderæ</i> 532 Rose-Bengal Chloramphenicol Agar	Day 8 1:1
093	<i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 Potato Dextrose Agar	Day 14 1:1
095	<i>Acrodontium pigmentosum</i> 537 <i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 Potato Dextrose Agar	Day 22 1:1
096-097	<i>Acrodontium pigmentosum</i> 537 <i>Aotearoamyces nothofagi</i> 548 <i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Pseudogymnoascus pannorum</i> 317 Potato Dextrose Agar	Day 12 3:1
099	<i>Dioszegia patagonica</i> 001 <i>Linnemannia amoeboides</i> 498 <i>Pseudogymnoascus pannorum</i> 276 Potato Dextrose Agar	Day 12 1:1
101	<i>Linnemannia amoeboides</i> 498 <i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	Day 14 1:1
103	<i>Massilia eurypsychrophila</i> 177 Potato Dextrose Agar with sepia ink	Day 36 4:1
104-105	<i>Linnemannia amoeboides</i> 498 <i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	Day 22 3:1
107	<i>Pseudogymnoascus pannorum</i> 511 Potato Dextrose Agar with sepia ink	Day 20 1:1
108-109	<i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Pseudogymnoascus pannorum</i> 317 <i>Solicoccozyma terricola</i> 340 Potato Dextrose Agar with sepia ink	Day 18 3:1
111	<i>Solicoccozyma terricola</i> 340 Cystine-Lactose-Electrolyte Deficient Agar	Day 4 1:1
113	<i>Pseudogymnoascus verrucosus</i> 114 Cystine-Lactose-Electrolyte Deficient Agar	Day 20 1:1

115	<i>Streptomyces fildesensis</i> 168 Cystine-Lactose-Electrolyte Deficient Agar	Day 29 4 : 1
117	<i>Acrodontium pigmentosum</i> 537 Potato Dextrose Agar	Day 22 1 : 1
118-119	<i>Acrodontium pigmentosum</i> 537 <i>Aotearoamyces nothofagi</i> 548 <i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Gamsia columbina</i> 325 <i>Naganishia albida</i> 355 <i>Phyllozyma linderæ</i> 532 Rose-Bengal Chloramphenicol Agar	Day 10 3 : 1
121	<i>Gamsia columbina</i> 325 <i>Acrodontium pigmentosum</i> 537 <i>Aotearoamyces nothofagi</i> 548 Rose-Bengal Chloramphenicol Agar	Day 22 1 : 1
123	<i>Dioszegia patagonica</i> 001 <i>Gamsia columbina</i> 325 <i>Naganishia albida</i> 355 <i>Cystobasidium laryngis</i> 523 <i>Aotearoamyces nothofagi</i> 548 Rose-Bengal Chloramphenicol Agar	Day 10 1 : 1
125	<i>Pseudogymnoascus roseus</i> 331 Rose-Bengal Chloramphenicol Agar	Day 50 4 : 1
127	<i>Aotearoamyces nothofagi</i> 548 <i>Cystobasidium laryngis</i> 523 <i>Dioszegia patagonica</i> 001 <i>Naganishia albida</i> 355 <i>Pseudogymnoascus pannorum</i> 511 <i>Pseudogymnoascus pannorum</i> 512 <i>Solicoccozyma terricola</i> 340 Rose-Bengal Chloramphenicol Agar	Day 8 1 : 1
128-129	<i>Dioszegia patagonica</i> 001 <i>Cystobasidium laryngis</i> 523 <i>Phyllozyma linderæ</i> 532 Rose-Bengal Chloramphenicol Agar	Day 8 3 : 1
131	<i>Gamsia columbina</i> 325 Tryptic Soy Agar	Day 43 1 : 1
132-133	<i>Pseudogymnoascus pannorum</i> 317 <i>Solicoccozyma terricola</i> 340 Potato Dextrose Agar with sepia ink	Day 16 3 : 1
135	<i>Arthrobacter alpinus</i> 197 Potato Dextrose Agar with sepia ink	Day 78 1 : 1

CAPTIONS

	<i>Halokirschsteiniothelia maritima</i> 107	Day 36
	<i>Pseudogymnoascus pannorum</i> 276	
	<i>Pseudogymnoascus pannorum</i> 511	
<u>137</u>	<u>Potato Dextrose Agar</u>	<u>1 : 1</u>
	<i>Acrodontium pigmentosum</i> 537	Day 12
	<i>Aotearoamyces nothofagi</i> 548	
	<i>Cystobasidium laryngis</i> 523	
	<i>Dioszegia patagonica</i> 001	
	<i>Pseudogymnoascus pannorum</i> 317	
<u>139</u>	<u>Potato Dextrose Agar</u>	<u>1 : 1</u>
	<i>Acrodontium pigmentosum</i> 537	Day 22
	<i>Halokirschsteiniothelia maritima</i> 107	
<u>141</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>1 : 1</u>
	<i>Halokirschsteiniothelia maritima</i> 107	Day 22
<u>143</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>4 : 1</u>
	<i>Dioszegia patagonica</i> 001	Day 8
	<i>Pseudogymnoascus verrucosus</i> 114	
<u>145</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>1 : 1</u>
	<i>Dioszegia patagonica</i> 001	Day 29
	<i>Pseudogymnoascus verrucosus</i> 114	
<u>146 - 147</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>3 : 1</u>
	<i>Aotearoamyces nothofagi</i> 548	Day 8
	<i>Dioszegia patagonica</i> 001	
	<i>Solicoccozyma terricola</i> 340	
<u>149</u>	<u>Rose-Bengal Chloramphenicol Agar</u>	<u>1 : 1</u>
	<i>Cystobasidium laryngis</i> 523	Day 14
	<i>Phyllozyma linderæ</i> 532	
	<i>Solicoccozyma terricola</i> 340	
<u>150 - 151</u>	<u>Rose-Bengal Chloramphenicol Agar</u>	<u>3 : 1</u>
	<i>Cryolevonia schafbergensis</i> 414	Day 4
<u>153</u>	<u>Columbia Agar</u>	<u>1 : 1</u>
	<i>Acrodontium pigmentosum</i> 537	Day 24
	<i>Aotearoamyces nothofagi</i> 548	
	<i>Dioszegia patagonica</i> 001	
	<i>Gamsia columbina</i> 325	
	<i>Solicoccozyma terricola</i> 340	
<u>155</u>	<u>Rose-Bengal Chloramphenicol Agar</u>	<u>1 : 1</u>
	<i>Gamsia columbina</i> 325	Day 43
<u>157</u>	<u>Tryptic Soy Agar</u>	<u>4 : 1</u>

	<i>Cystobasidium laryngis</i> 523	Day 18
	<i>Dioszegia patagonica</i> 001	
	<i>Pseudogymnoascus pannorum</i> 317	
	<i>Solicozozyma terricola</i> 340	
<u>159</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>1 : 1</u>
	<i>Dioszegia patagonica</i> 001	Day 32
	<i>Linnemannia amoeboides</i> 498	
	<i>Pseudogymnoascus pannorum</i> 511	
<u>160-161</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>3 : 1</u>
	<i>Dioszegia patagonica</i> 001	Day 26
	<i>Pseudogymnoascus pannorum</i> 511	
	<i>Pseudogymnoascus verrucosus</i> 114	
<u>163</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>1 : 1</u>
	<i>Dioszegia patagonica</i> 001	Day 8
	<i>Pseudogymnoascus verrucosus</i> 114	
<u>224</u>	<u>Potato Dextrose Agar with sepia ink</u>	<u>3 : 1</u>

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UNEARTHING ANCIENT
MICROBIAL LIFE

BEAT FREY

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