

Supplementary table II. Representation of fungal species over 1 % from Frontal cortex brain region of ten AD patient

AD1	AD2	AD3	AD4	AD5
Original paired reads :213462 Joined sequences (%): 97.9	Original paired reads :260368 Joined sequences (%): 98.4	Original paired reads : 248062 Joined sequences (%): 97.8	Original paired reads :223155 Joined sequences (%): 97.8	Original paired reads : 209034 Joined sequences (%): 98.6
<i>Chromelosporium carneum</i> 65.9	<i>Uncultured fungus clone S24T_41</i> 18.4	<i>Uncultured fungus clone S24T_41</i> 21.5	<i>Uncultured fungus clone S24T_41</i> 16.6	<i>Uncultured fungus clone S24T_41</i> 20.9
<i>Malassezia_sp_HM_2008</i> 12.8	<i>Xylaria curta</i> 9.7	<i>Emericella nidulans</i> 16.8	<i>Pleurothecium_sp_LXS_2012</i> 16.5	<i>Uncultured Basidiomycota</i> 11.0
<i>Uncultured fungus clone S24T_41</i> 5.4	<i>Uncultured Basidiomycota</i> 8.2	<i>Candida deformans</i> 8.7	<i>Candida deformans</i> 6.7	<i>Candida deformans</i> 8.5
<i>Candida deformans</i> 2.2	<i>Candida deformans</i> 7.5	<i>Botrytis cinerea</i> 1.6	<i>Uncultured Basidiomycota</i> 1.7	<i>Davidiella tassiana</i> 6.4
	<i>Uncultured soil fungus</i> 5.5	<i>Uncultured fungus clone S110T_52</i> 1.3	<i>Botrytis cinerea</i> 1.2	<i>Cryptococcus magnus</i> 2.9
	<i>Candida zeylanoides</i> 3.1	<i>Uncultured Basidiomycota</i> 1.1	<i>Uncultured fungus clone S110T_52</i> 1.0	<i>Botrytis cinerea</i> 1.6
	<i>Botrytis cinerea</i> 1.4	<i>Alternaria alternata</i> 1.5	<i>Alternaria alternata</i> 1.1	<i>Alternaria alternata</i> 1.4
	<i>Uncultured fungus clone S110T_52</i> 1.1			<i>Uncultured fungus clone S110T_52</i> 1.3
AD6	AD7	AD8	AD9	AD10
Original paired reads : 241821 Joined sequences (%): 98.1	Original paired reads : 210396 Joined sequences (%): 98.2	Original paired reads :359221 Joined sequences (%): 97.2	Original paired reads :147296 Joined sequences (%): 97.7	Original paired reads : 361090 Joined sequences (%): 97.8
<i>Uncultured fungus clone S24T_41</i> 25.5	<i>Uncultured Basidiomycota</i> 19.3	<i>Uncultured fungus clone S24T_41</i> 20.8	<i>Uncultured fungus clone S24T_41</i> 22.2	<i>Emericella nidulans</i> 35.4
<i>Candida deformans</i> 10.4	<i>Uncultured fungus clone S24T_41</i> 15.7	<i>Candida deformans</i> 8.5	<i>Emericella nidulans</i> 9.1	<i>uncultured Basidiomycota</i> 32.8
<i>Uncultured Basidiomycota</i> 4.2	<i>Candida deformans</i> 6.4	<i>Basidiomycota_sp_D3</i> 3.9	<i>Candida deformans</i> 9.1	<i>Xeromyces bisporus</i> 23.3
<i>Botrytis cinerea</i> 1.9	<i>Botrytis cinerea</i> 1.2	<i>Botrytis cinerea</i> 1.6	<i>Candida parapsilosis</i> 3.2	
<i>Alternaria alternata</i> 1.7	<i>Alternaria alternata</i> 1.1	<i>Uncultured fungus clone S110T_52</i> 1.3	<i>Acremonium_sp_JJP_2009a</i> 2.7	
<i>Uncultured fungus clone S110T_52</i> 1.6		<i>Uncultured Basidiomycota</i> 1.0	<i>Botrytis cinerea</i> 1.7	
<i>Uncultured Basidiomycota</i> 1.3		<i>Alternaria alternata</i> 1.4	<i>Uncultured fungus clone S110T_52</i> 1.4	
<i>uncultured malassezia</i> 1.1			<i>Uncultured Basidiomycota</i> 1.1	
<i>Alternaria tenuissima</i> 1.1			<i>Alternaria alternata</i> 1.5	

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