

Supplementary table VII. Bacterial species detected by NGS in ten AD patients.

AD1	AD2	AD3	AD4	AD5
Number of reads :224151	Number of reads:210019	Number of reads:185208	Number of reads:204746	Number of reads:206408
Sequences joined : 95%	Sequences joined :94,8%	Sequences joined :95,3%	Sequences joined:95%	Sequences joined:92,9%
<i>Methylobacteriaceae</i> 21.0	<i>Methylobacteriaceae</i> 33.6	<i>Cupriavidus</i> 17.4	<i>Methylobacteriaceae</i> 22.7	<i>Methylobacteriaceae</i> 17.9
<i>Cupriavidus</i> 13.3	<i>Bradyrhizobiaceae</i> 11.1	<i>Bradyrhizobiaceae</i> 12.5	<i>Bradyrhizobiaceae</i> 9.6	<i>Cupriavidus</i> 11.2
<i>Staphylococcus</i> 8.1	<i>Cupriavidus</i> 10.1	<i>Streptophyta</i> 12.0	<i>Cupriavidus</i> 8.1	<i>Sphingomonas</i> 9.2
<i>Zoogloea</i> 7.8	<i>Bifidobacterium adolescentis</i> 6.7	<i>Methylobacteriaceae</i> 10.7	<i>Zoogloea</i> 5.2	<i>Sphingomonadales</i> 6.8
<i>Azospira</i> 6.9	<i>Sphingomonas</i> 4.7	<i>Comamonadaceae</i> 6.6	<i>Acidovorax defluvii</i> 4.9	<i>Prevotella copri</i> 4.7
<i>Comamonadaceae</i> 5.8	<i>Escherichia coli</i> 3.1	<i>Sphingomonas</i> 5.1	<i>Eubacterium bifforme</i> 4.8	<i>Comamonadaceae</i> 4.7
<i>Ruminococcus</i> 4.3	<i>Acidovorax defluvii</i> 3.1	<i>Roseburia</i> 4.3	<i>Ruminococcaceae</i> 4.5	<i>Acidimicrobiales</i> 4.4
<i>Sphingomonadales</i> 3.8	<i>Zoogloea</i> 3.0	<i>Sphingomonadales</i> 3.6	<i>Sphingomonadales</i> 3.9	<i>Bradyrhizobiaceae</i> 4.4
<i>Corynebacterium</i> 2.5	<i>Azospira</i> 2.5	<i>Rothia dentocariosa</i> 3.4	<i>Sphingomonas</i> 3.7	<i>Parabacteroides</i> 4.3
<i>Acidovorax defluvii</i> 2.5	<i>Halomonas</i> 2.2	<i>Staphylococcus</i> 3.1	<i>Roseburia</i> 3.5	<i>Acidovorax defluvii</i> 4.2
<i>Kineosporiaceae</i> 2.0	<i>Lachnospiraceae</i> 2.1	<i>Acidovorax defluvii</i> 2.3	<i>Veillonella dispar</i> 2.9	<i>Azospira</i> 3.3
<i>Bradyrhizobiaceae</i> 1.9	<i>Micrococcus luteus</i> 1.8	<i>Roseburia faecis</i> 2.1	<i>Rhodobacter</i> 2.2	<i>Prevotella</i> 2.5
<i>Micrococcus luteus</i> 1.8	<i>Corynebacterium</i> 1.3	<i>Azospira</i> 1.9	ZB2 2.1	<i>Cystobacterineae</i> 2.3
<i>Burkholderiales</i> 1.4	<i>Ralstonia</i> 1.3	<i>Lachnospiraceae</i> 1.5	<i>Dialister</i> 2.1	<i>Staphylococcus</i> 2.0
<i>Comamonadaceae</i> 1.2		<i>Rikenellaceae</i> 1.4	<i>Streptococcus</i> 1.7	<i>Prevotella nigrescens</i> 1.8
<i>Rothia dentocariosa</i> 1.2		<i>Propionibacterium acnes</i> 1.0	<i>Prevotella copri</i> 1.3	<i>Rikenellaceae</i> 1.8
<i>Acetobacteraceae</i> 1.0		ZB2 1.0	<i>Methylobacterium</i> 1.2	<i>Lachnospira</i> 1.7
<i>Rhizobiales</i> 1.0			<i>Phascolarctobacterium</i> 1.2	<i>Rhodoplanes elegans</i> 1.1
			<i>Hyphomonadaceae</i> 1.1	

AD6	AD7	AD8	AD9	AD10
Number of reads :223350	Number of reads :192670	Number of reads :190446	Number of reads :205687	Number of reads :256223
Sequences joined : 94,8%	Sequences joined : 94,7%	Sequences joined : 94,8%	Sequences joined : 94,7%	Sequences joined : 94,4%
<i>Methylobacteriaceae</i> 24.2	<i>Methylobacteriaceae</i> 25.1	<i>Methylobacteriaceae</i> 21.9	<i>Methylobacteriaceae</i> 17.7	<i>Prevotella copri</i> 14.7
<i>Cupriavidus</i> 17.8	<i>Azospira</i> 12.,9	<i>Cupriavidus</i> 11.6	<i>Cupriavidus</i> 16.2	<i>Lachnospira</i> 12.6
<i>Corynebacterium</i> 6.1	<i>Streptophyta</i> 8.7	<i>Comamonadaceae</i> 8.6	<i>Bradyrhizobiaceae</i> 9.7	<i>Comamonadaceae</i> 4.0
<i>Bradyrhizobiaceae</i> 5.9	<i>Cupriavidus</i> 7.0	<i>Bifidobacterium adolescentis</i> 6.5	<i>Prevotella copri</i> 8.3	<i>Coriobacteriaceae</i> 3.9
<i>Burkholderia</i> 5.0	<i>Mitochondria</i> 6.5	<i>Escherichia coli</i> 6.3	<i>Comamonadaceae</i> 5.6	<i>Staphylococcus</i> 3.9
<i>Rhodoplanes elegans</i> 4.4	<i>Faecalibacterium prausnitzii</i> 5.8	<i>Bradyrhizobiaceae</i> 5.5	<i>Catenibacterium</i> 5.2	<i>Roseburia</i> 3.8
<i>Ruminococcus bromii</i> 3.7	<i>Prevotella copri</i> 3.7	<i>Succinivibrio</i> 5.1	<i>Thermotogaceae</i> 5.0	<i>Faecalibacterium prausnitzii</i> 3.8
<i>Gemellaceae</i> 3.4	<i>Acidovorax defluvii</i> 3.1	<i>Sphingomonadales</i> 4.2	<i>Azospira</i> 4.2	<i>Achromobacter</i> 3.8
<i>Sphingomonadales</i> 3.0	<i>Comamonadaceae</i> 2.7	<i>Staphylococcus</i> 2.6	<i>Rubellimicrobium</i> 4.1	<i>Methylobacteriaceae</i> 3.7
<i>Comamonadaceae</i> 2.6	<i>Anaerococcus</i> 2.5	<i>Chitinophagaceae</i> 2.5	<i>Acidovorax defluvii</i> 3.9	<i>Escherichia coli</i> 3.5
<i>Corynebacterium kroppenstedtii</i> 2.5	<i>Bradyrhizobiaceae</i> 2.5	<i>Azospira</i> 2.3	<i>Streptococcus</i> 3.3	<i>Rhizobiales</i> 3.4
<i>Micrococcus luteus</i> 2.5	<i>Corynebacterium</i> 1.9	A17 1.9	<i>Amaricoccus</i> 2.6	<i>Cupriavidus</i> 3.4
<i>Methylobacterium</i> 1.8	<i>Sphingomonas</i> 1.6	<i>Corynebacterium kroppenstedtii</i> 1.8	<i>Anaerococcus</i> 2.1	<i>Dialister</i> 3.3
<i>Azospira</i> 1.8	<i>Methylobacterium</i> 1.3	<i>Sphingomonas</i> 1.7	<i>Finegoldia</i> 1.3	<i>Sutterella</i> 3.1
<i>Finegoldia</i> 1.7	<i>Betaproteobacteria</i> 1.2	<i>Exiguobacterium</i> 1.4		<i>Eubacterium bifforme</i> 2.8
<i>Acidovorax defluvii</i> 1.4	<i>Streptococcus</i> 1.1	TM7-3 1.4		<i>Corynebacterium kroppenstedtii</i> 2.4
<i>Propionibacterium acnes</i> 1.3		<i>Acetobacteraceae</i> 1.2		<i>Streptococcus anginosus</i> 2.0
<i>Sphingomonas</i> 1.1		<i>Fusobacterium</i> 1.2		<i>Streptococcus</i> 1.9
		BA008 1.1		<i>Azospira</i> 1.9
		<i>Burkholderiales</i> 1.0		<i>Kineosporiaceae</i> 1.5
				<i>Ruminococcaceae</i> 1.4
				<i>Corynebacterium kroppenstedtii</i> 1.3
				<i>Propionibacterium acnes</i> 1.2
				<i>Acidovorax defluvii</i> 1.1

