$Results_RADS eqMicronbiome$

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26/7/2020

RADSeq Microbiome Results

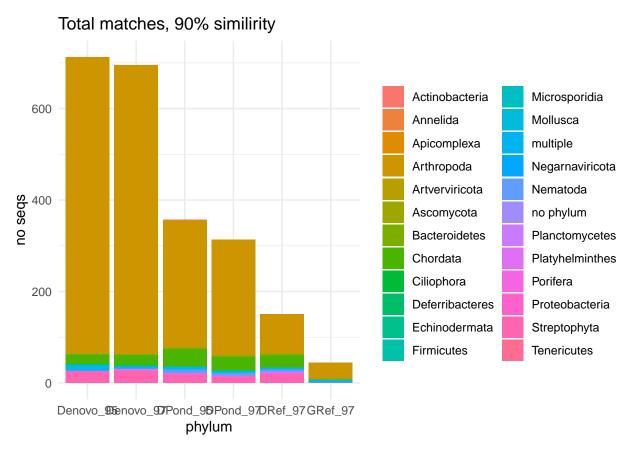
The majority of the sequences found matched with Arthropoda database references, but also another seven problematic phyla were present and filtered.

Table 1: Total matches with 90% similirity

	Actinobacteria	Annelida	Apicomplex	a Arthropoda	a Artvervirio	ota
Denovo_95	0	0	;	3 645	5	1
Denovo_97	0	0	:	2 630)	0
DPond_95	1	1	(0 277	7	0
DPond_97	0	1	(0 252	2	0
DRef_97	0	0	:	2 84	1	0
GRef_97	0	0		0 33	3	0
	Ascomycota Bact			- .	Deferribacter	_
Denovo_95		0	21	1		0
Denovo_97		1	22	0		1
DPond_95	3	1		0		0
DPond_97	3	0	30	0		0
DRef_97	3	2		0		0
GRef_97	3	0	1	0		0
	Echinodermata F	irmicutes	Microspor	idia Mollug	ra multinle	
Denovo_95	0	0	incrospor	0	3 10	
Denovo_97	•	0		0	1 4	
DPond_95	2	1		0	4 1	
DPond_97	2	1		0	4 0	
DRef_97	0	0		0	1 4	
GRef_97	0	0		1	0 5	
G1001_01	v	v		-	ů ů	
	Negarnaviricota	Nematoda	no phylum	Planctomyce	etes Platyhel	minthes
Denovo_95	C	1	0		0	0
Denovo_97	1	. 1	0		1	1
DPond_95	C	7	0		0	1
DPond_97	C	5	0		0	1
DRef_97	C) 4	1		0	2
GRef_97	C	0	0		0	0

Porifera Proteobacteria Streptophyta Tenericutes

Denovo_95	0	2	23	1
Denovo_97	0	2	25	1
DPond_95	1	3	16	1
DPond_97	1	1	13	0
DRef_97	0	4	18	0
GRef_97	0	0	1	0



Overall, the most commun phyla found were *Ascomycota* and *Proteobacteria*. Furthermore the most promising assembly method used in this survey was the use of an insect reference genome as filter on the subset of of the reference specie samples (*Dendroctonus ponderosae*) with a clustering threeshold of 95%.

Table 2: Filtered matches with 90% similirity

	Actinobacteria	Annelida .	Apicomplexa	Artve	rviricota	Ascomycota	
Denovo_95	0	0	3		1	2	
Denovo_97	0	0	2		0	1	
DPond_95	1	1	0		0	3	
DPond_97	0	1	0		0	3	
DRef_97	0	0	2		0	3	
GRef_97	0	0	0		0	3	
	Bacteroidetes (Ciliophora	Deferribact	teres	Firmicutes	Microsporio	dia
Denovo_95	0	1		0	0		0
Denovo_97	1	0		1	0		0
DPond_95	1	0		0	1		0

DPond_97	0	0		0	1	0
DRef_97	2	0		0	0	0
GRef_97	0	0		0	0	1
	Negarnaviricota	Nematoda	no phylum	Planctomycetes	Proteobacteria	ì
Denovo_95	0	1	0	0	2	2
Denovo_97	1	1	0	1	2	2
DPond_95	0	7	0	0	3	3
DPond_97	0	5	0	0	1	L
DRef_97	0	4	1	0	4	1
GRef_97	0	0	0	0	()

Filtered matches, 90% similirity

