

1- Raw data and preprocessing (removing non optimal reads and adapters)

Samples	R1		R2		Joined reads
	raw reads	Preprocessed reads	raw reads	Preprocessed reads	
T25-10	323012	298650	323012	303514	102992
T25-1	406908	364688	406908	373596	23661
T25-2	274370	243366	274370	255426	21266
T25-3	177496	160564	177496	162596	12023
T25-4	308986	279712	308986	281560	12731
T25-5	303178	274216	303178	283950	7652
T25-6	301304	268906	301304	281286	116032
T25-7	206628	185284	206628	189266	13595
T25-8	217782	196360	217782	199046	7828
T25-9	211626	189966	211626	195080	11739
T26-10	296552	269486	296552	277404	13473
T26-11	372656	331948	372656	347814	25074
T26-1	370876	325682	370876	341678	37439
T26-2	298526	267850	298526	278680	11654
T26-3	326226	291368	326226	298486	19879
T26-4	225718	203074	225718	206422	8065
T26-6	225470	202092	225470	207834	9534
T26-7	263842	237890	263842	246076	15998
T26-8	303492	274840	303492	285482	9461
T26-9	392888	348442	392888	361028	18982
T5-10	303038	267836	303038	278694	21323
T5-11	225836	202658	225836	209722	8484
T5-12	169994	155096	169994	155198	5913
T5-2	272602	244820	272602	255684	19028
T5-3	286778	258158	286778	269498	12862
T5-4	258108	234318	258108	242162	38401
T5-5	279072	248726	279072	260032	21224
T5-6	214676	192410	214676	201160	17708
T5-8	355814	315664	355814	327686	15892
T5-9	376424	332176	376424	352464	26548

2- Taxonomy Results

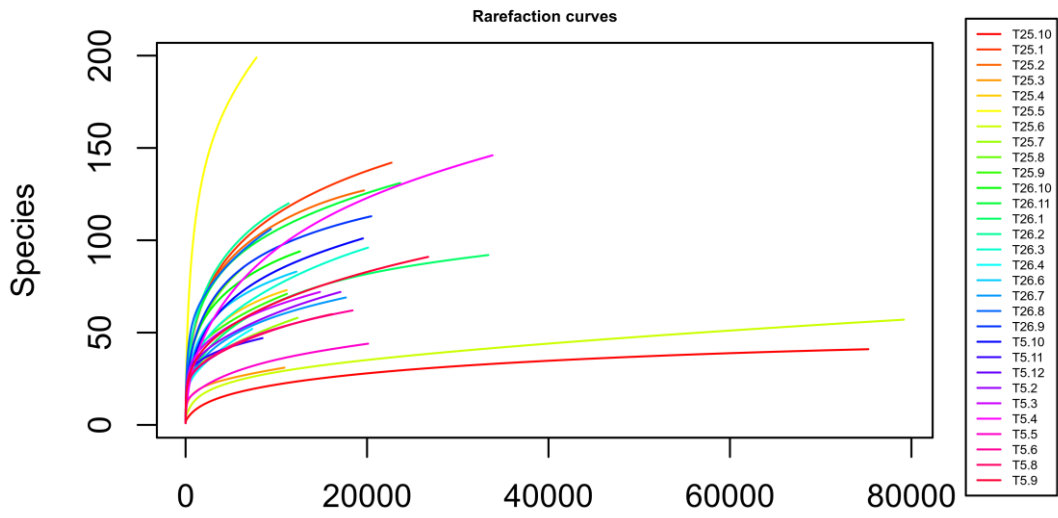
Feature ID	Taxon
M02255:305:000000000-C7L8N:1:1116:16339:11937	Lineage=Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;unclassified_Alphaproteobacteria;;Caedibacter_caryophilus;species;BGD19;strain
M02255:305:000000000-C7L8N:1:2109:18417:7243	Lineage=Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteriia;class;"Flavobacteriales";order;Flavobacteriaceae;family;Capnocytophaga;genus;Capnocytophaga_ochracea;species;ATCC_33596;strain
M02255:305:000000000-C7L8N:1:1118:10106:19963	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Corynebacterineae;suborder;Corynebacteriaceae;family;Corynebacterium;genus;Corynebacterium_bovis;species;184;strain
M02255:305:000000000-C7L8N:1:2115:22733:18748	Lineage=Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptostreptococcaceae;family;Clostridium_Xl;genus;Clostridium_bifermentans;species;ATCC_638;strain
M02255:305:000000000-C7L8N:1:2111:27656:18099	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Corynebacterineae;suborder;Corynebacteriaceae;family;Corynebacterium;genus;Corynebacterium_cystitidis;species;CIP_103424T;strain
M02255:305:000000000-C7L8N:1:1103:7680:23681	Lineage=Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillonellaceae;family;Veillonella;genus;Veillonella_parvula;species;DSM_2008;strain
M02255:305:000000000-C7L8N:1:1101:7342:15690	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Actinomycineae;suborder;Actinomycetaceae;family;Actinomyces;genus;Actinomyces_sp.;species;M2231/94/1;strain
M02255:305:000000000-C7L8N:1:2111:27656:18099	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Corynebacterineae;suborder;Corynebacteriaceae;family;Corynebacterium;genus;Corynebacterium_bovis;species;172;strain
M02255:305:000000000-C7L8N:1:2102:4586:11089	Lineage=Root;rootrank;Bacteria;domain;"Deinococcus-Thermus";phylum;Deinococci;class;Deinococcales;order;Deinococcaceae;family;Deinococcus;genus;Deinococcus_murrayi_(T);species;ALT-1bT;strain
M02255:305:000000000-C7L8N:1:2115:13795:24014	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Micrococcineae;suborder;Micrococcaceae;family;Kocuria;genus;Kocuria_rosea;species;ATCC_187T;strain
M02255:305:000000000-C7L8N:1:1117:3257:12239	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Bifidobacteriales;order;Bifidobacteriaceae;family;Bifidobacterium;genus;Bifidobacterium_breve;species;JCM_1273;strain
M02255:305:000000000-C7L8N:1:2118:27948:16488	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Micrococcineae;suborder;Micrococcaceae;family;Rothia;genus;Rothia_mucilaginosa_(T);species;DSM;strain

M02255:305:000000000-C7L8N:1:1118:10106:19963	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Corynebacterineae;suborder;Corynebacteriaceae;family;Corynebacterium;genus;Corynebacterium_bovis;species;233;strain
M02255:305:000000000-C7L8N:1:2111:27656:18099	Lineage=Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subclass;Actinomycetales;order;Corynebacterineae;suborder;Corynebacteriaceae;family;Corynebacterium;genus;Corynebacterium_auriscanis;species;M135/96/2;strain

3- Number of taxonomic Assignations

Sample	Number of taxonomic assignations	
	Genus	Species
T25-10	75168	3902
T25-1	22378	11034
T25-2	19272	16188
T25-3	10863	6954
T25-4	11018	7495
T25-5	7256	4778
T25-6	79050	55908
T25-7	12289	7480
T25-8	6172	4037
T25-9	11018	8921
T26-10	12324	10479
T26-11	23285	18155
T26-1	33167	13089
T26-2	10600	4818
T26-3	19988	11503
T26-4	7298	4873
T26-6	11998	4435
T26-7	17142	8144
T26-8	6442	5516
T26-9	20122	7449
T5-10	19329	10513
T5-11	8332	7172
T5-12	3356	1943
T5-2	17823	14421
T5-3	14300	12272
T5-4	33293	7167
T5-5	20041	17657
T5-6	17488	13957
T5-8	14444	12831
T5-9	26104	21849

4- Rarefaction curves

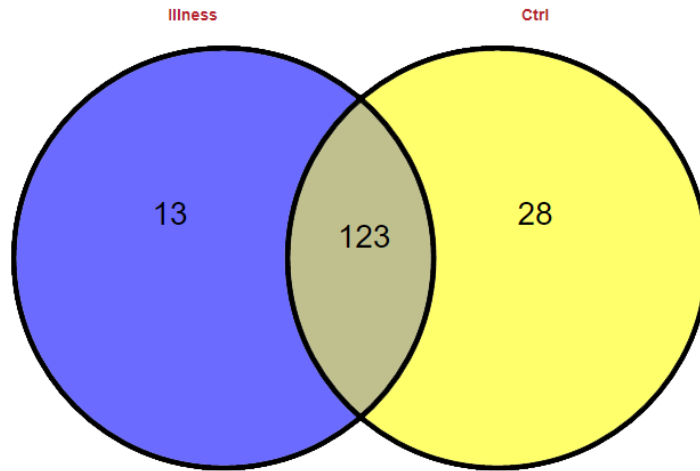


5- Taxonomic Results

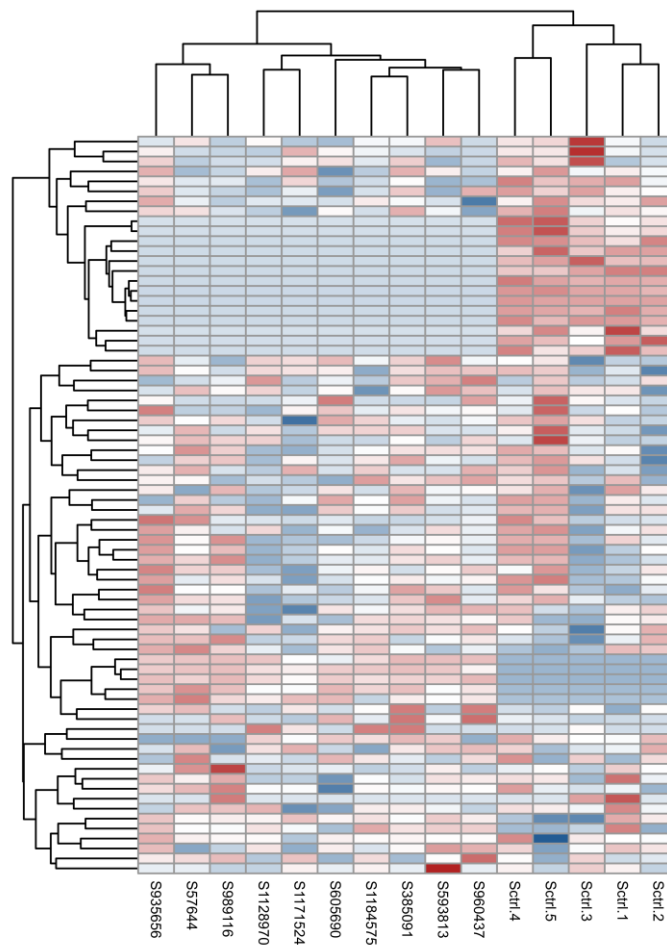
DOMAIN	PHYLUM	CLASS	ORDER	FAMILY	GENUS	SPECIES	Num
Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria incertae sedis	Halioglobus	Uncultured Halioglobus sp.		6692
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas		6174
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Actinobacillus	Uncultured Actinobacillus sp.	5805
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Haemophilus	Haemophilus haemolyticus	5145
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Mannheimia		3268
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella multocida	2317
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter baumannii	2239
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Azotobacter	Uncultured Azotobacter sp.	2043
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas aeruginosa	1893
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas putida	1854
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas stutzeri	1831
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Uncultured bacterium		1799
Bacteria	Proteobacteria	Gammaproteobacteria	Uncultured bacterium				1666
Bacteria	Proteobacteria	Uncultured proteobacterium					1658
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Spirochaeta sp.	1414
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Spirochaetaceae	1320
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema medium	1296
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema pedis	1289
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema phagedenis subsp.	1273
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema vincentii	1234

6- Graphical representations

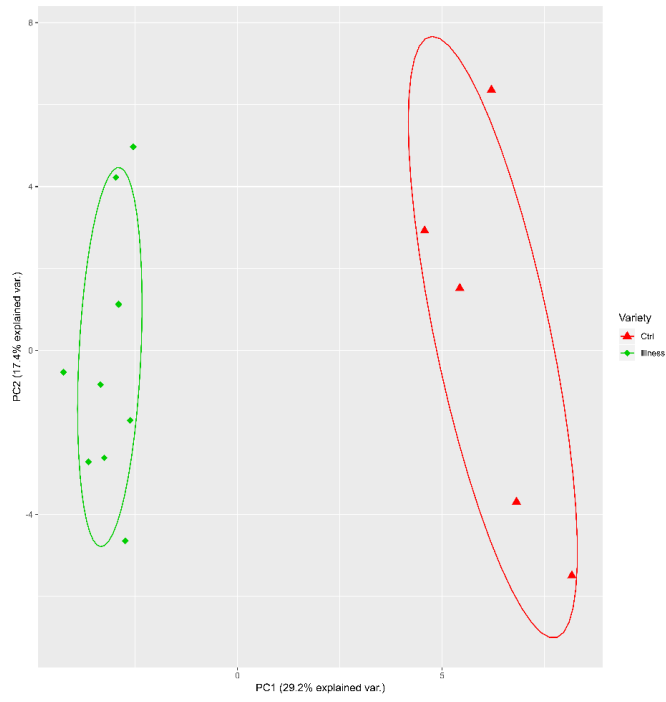
a) Venn



b) Heatmap



c) PCA



d) Krona

X

Bacteria
Total: 11214

