

- 01_Composition
 - 16S
 - 16S_1_Domain_figure.pdf
 - 16S_1_Domain_legend.pdf
 - 16S_2_Phylum_figure.pdf
 - 16S_2_Phylum_legend.pdf
 - 16S_3_Class_figure.pdf
 - 16S_3_Class_legend.pdf
 - 16S_4_Order_figure.pdf
 - 16S_4_Order_legend.pdf
 - 16S_5_Family_figure.pdf
 - 16S_5_Family_legend.pdf
 - 16S_6_Genus_figure.pdf
 - 16S_6_Genus_legend.pdf
 - 16S_7_Species_figure.pdf
 - 16S_7_Species_legend.pdf
 - WGS_cDNA
 - cDNA_subset_all_1_Domain_Type_fig.pdf
 - cDNA_subset_all_1_Domain_Type_leg.pdf
 - cDNA_subset_all_2_Phylum_Baltimore_fig.pdf
 - cDNA_subset_all_2_Phylum_Baltimore_leg.pdf
 - cDNA_subset_all_3_Class_Order_fig.pdf
 - cDNA_subset_all_3_Class_Order_leg.pdf
 - cDNA_subset_all_4_Order_Family_fig.pdf
 - cDNA_subset_all_4_Order_Family_leg.pdf
 - cDNA_subset_all_5_Family_Subfamily_fig.pdf
 - cDNA_subset_all_5_Family_Subfamily_leg.pdf
 - cDNA_subset_all_6_Genus_fig.pdf
 - cDNA_subset_all_6_Genus_leg.pdf
 - cDNA_subset_all_7_Species_fig.pdf
 - cDNA_subset_all_7_Species_leg.pdf
 - cDNA_subset_bact_1_Domain_fig.pdf
 - cDNA_subset_bact_1_Domain_leg.pdf
 - cDNA_subset_bact_2_Phylum_fig.pdf
 - cDNA_subset_bact_2_Phylum_leg.pdf
 - cDNA_subset_bact_3_Class_fig.pdf
 - cDNA_subset_bact_3_Class_leg.pdf
 - cDNA_subset_bact_4_Order_fig.pdf
 - cDNA_subset_bact_4_Order_leg.pdf
 - cDNA_subset_bact_5_Family_fig.pdf
 - cDNA_subset_bact_5_Family_leg.pdf
 - cDNA_subset_bact_6_Genus_fig.pdf
 - cDNA_subset_bact_6_Genus_leg.pdf
 - cDNA_subset_bact_7_Species_fig.pdf
 - cDNA_subset_bact_7_Species_leg.pdf
 - cDNA_subset_fungi_1_Domain_fig.pdf
 - cDNA_subset_fungi_1_Domain_leg.pdf

— cDNA_subset_fungi_2_Phylum_fig.pdf
— cDNA_subset_fungi_2_Phylum_leg.pdf
— cDNA_subset_fungi_3_Class_fig.pdf
— cDNA_subset_fungi_3_Class_leg.pdf
— cDNA_subset_fungi_4_Order_fig.pdf
— cDNA_subset_fungi_4_Order_leg.pdf
— cDNA_subset_fungi_5_Family_fig.pdf
— cDNA_subset_fungi_5_Family_leg.pdf
— cDNA_subset_fungi_6_Genus_fig.pdf
— cDNA_subset_fungi_6_Genus_leg.pdf
— cDNA_subset_fungi_7_Species_fig.pdf
— cDNA_subset_fungi_7_Species_leg.pdf
— cDNA_subset_non_vir_1_Domain_fig.pdf
— cDNA_subset_non_vir_1_Domain_leg.pdf
— cDNA_subset_non_vir_2_Phylum_fig.pdf
— cDNA_subset_non_vir_2_Phylum_leg.pdf
— cDNA_subset_non_vir_3_Class_fig.pdf
— cDNA_subset_non_vir_3_Class_leg.pdf
— cDNA_subset_non_vir_4_Order_fig.pdf
— cDNA_subset_non_vir_4_Order_leg.pdf
— cDNA_subset_non_vir_5_Family_fig.pdf
— cDNA_subset_non_vir_5_Family_leg.pdf
— cDNA_subset_non_vir_6_Genus_fig.pdf
— cDNA_subset_non_vir_6_Genus_leg.pdf
— cDNA_subset_non_vir_7_Species_fig.pdf
— cDNA_subset_non_vir_7_Species_leg.pdf
— cDNA_subset_other_1_Domain_fig.pdf
— cDNA_subset_other_1_Domain_leg.pdf
— cDNA_subset_other_2_Phylum_fig.pdf
— cDNA_subset_other_2_Phylum_leg.pdf
— cDNA_subset_other_3_Class_fig.pdf
— cDNA_subset_other_3_Class_leg.pdf
— cDNA_subset_other_4_Order_fig.pdf
— cDNA_subset_other_4_Order_leg.pdf
— cDNA_subset_other_5_Family_fig.pdf
— cDNA_subset_other_5_Family_leg.pdf
— cDNA_subset_other_6_Genus_fig.pdf
— cDNA_subset_other_6_Genus_leg.pdf
— cDNA_subset_other_7_Species_fig.pdf
— cDNA_subset_other_7_Species_leg.pdf
— cDNA_subset_proph_1_Domain_fig.pdf
— cDNA_subset_proph_1_Domain_leg.pdf
— cDNA_subset_proph_2_Phylum_fig.pdf
— cDNA_subset_proph_2_Phylum_leg.pdf
— cDNA_subset_proph_3_Class_fig.pdf
— cDNA_subset_proph_3_Class_leg.pdf
— cDNA_subset_proph_4_Order_fig.pdf
— cDNA_subset_proph_4_Order_leg.pdf

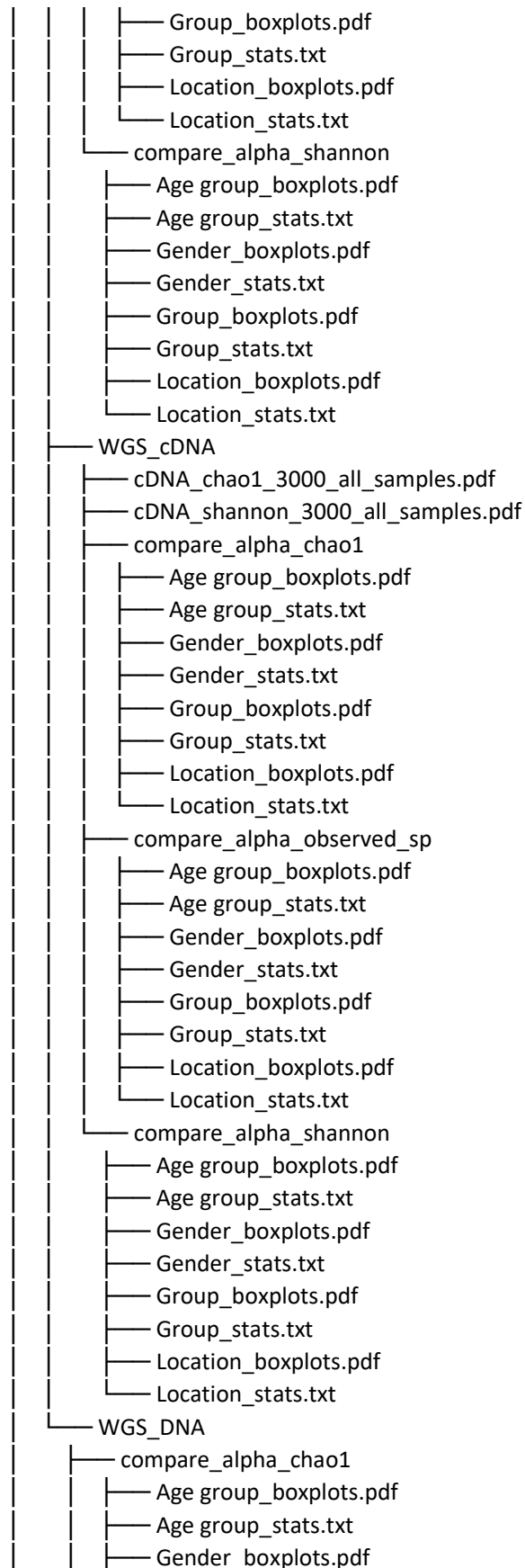
- cDNA_subset_proph_5_Family_fig.pdf
- cDNA_subset_proph_5_Family_leg.pdf
- cDNA_subset_proph_6_Genus_fig.pdf
- cDNA_subset_proph_6_Genus_leg.pdf
- cDNA_subset_proph_7_Species_fig.pdf
- cDNA_subset_proph_7_Species_leg.pdf
- cDNA_subset_vir_1_Type_fig.pdf
- cDNA_subset_vir_1_Type_leg.pdf
- cDNA_subset_vir_2_Baltimore_fig.pdf
- cDNA_subset_vir_2_Baltimore_leg.pdf
- cDNA_subset_vir_3_Order_fig.pdf
- cDNA_subset_vir_3_Order_leg.pdf
- cDNA_subset_vir_4_Family_fig.pdf
- cDNA_subset_vir_4_Family_leg.pdf
- cDNA_subset_vir_5_Subfamily_fig.pdf
- cDNA_subset_vir_5_Subfamily_leg.pdf
- cDNA_subset_vir_6_Genus_fig.pdf
- cDNA_subset_vir_6_Genus_leg.pdf
- cDNA_subset_vir_7_Species_fig.pdf
- cDNA_subset_vir_7_Species_leg.pdf

WGS_DNA

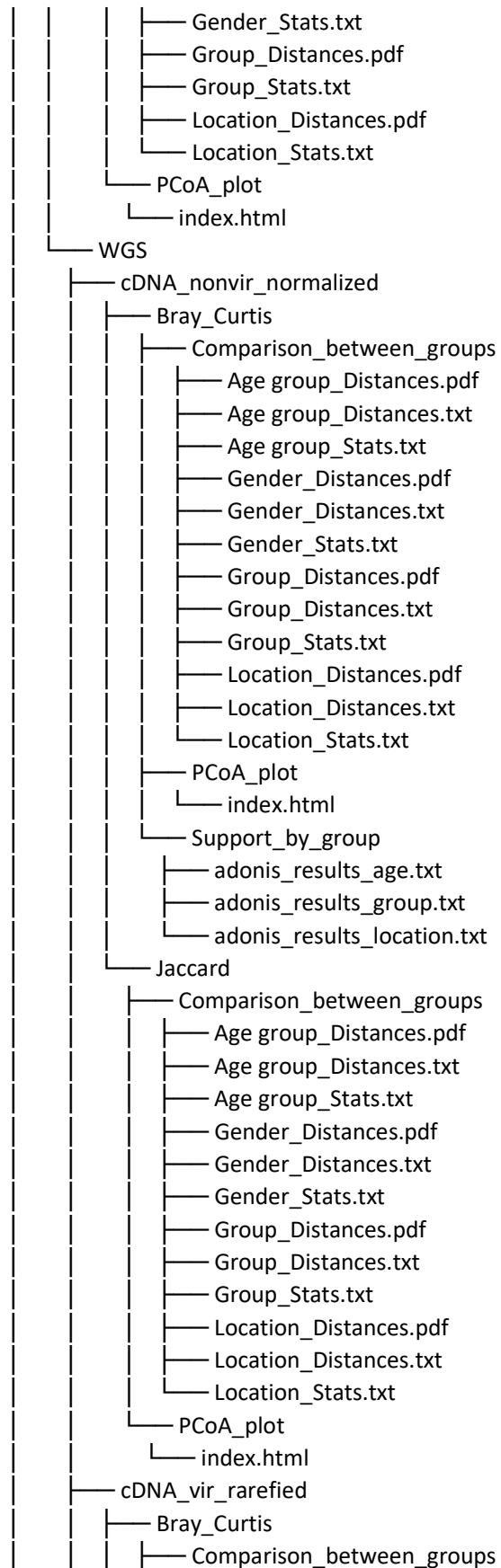
- DNA_subset_all_1_Domain_Type_fig.pdf
- DNA_subset_all_1_Domain_Type_leg.pdf
- DNA_subset_all_2_Phylum_Baltimore_fig.pdf
- DNA_subset_all_2_Phylum_Baltimore_leg.pdf
- DNA_subset_all_3_Class_Order_fig.pdf
- DNA_subset_all_3_Class_Order_leg.pdf
- DNA_subset_all_4_Order_Family_fig.pdf
- DNA_subset_all_4_Order_Family_leg.pdf
- DNA_subset_all_5_Family_Subfamily_fig.pdf
- DNA_subset_all_5_Family_Subfamily_leg.pdf
- DNA_subset_all_6_Genus_fig.pdf
- DNA_subset_all_6_Genus_leg.pdf
- DNA_subset_all_7_Species_fig.pdf
- DNA_subset_all_7_Species_leg.pdf
- DNA_subset_bact_1_Domain_fig.pdf
- DNA_subset_bact_1_Domain_leg.pdf
- DNA_subset_bact_2_Phylum_fig.pdf
- DNA_subset_bact_2_Phylum_leg.pdf
- DNA_subset_bact_3_Class_fig.pdf
- DNA_subset_bact_3_Class_leg.pdf
- DNA_subset_bact_4_Order_fig.pdf
- DNA_subset_bact_4_Order_leg.pdf
- DNA_subset_bact_5_Family_fig.pdf
- DNA_subset_bact_5_Family_leg.pdf
- DNA_subset_bact_6_Genus_fig.pdf
- DNA_subset_bact_6_Genus_leg.pdf
- DNA_subset_bact_7_Species_fig.pdf

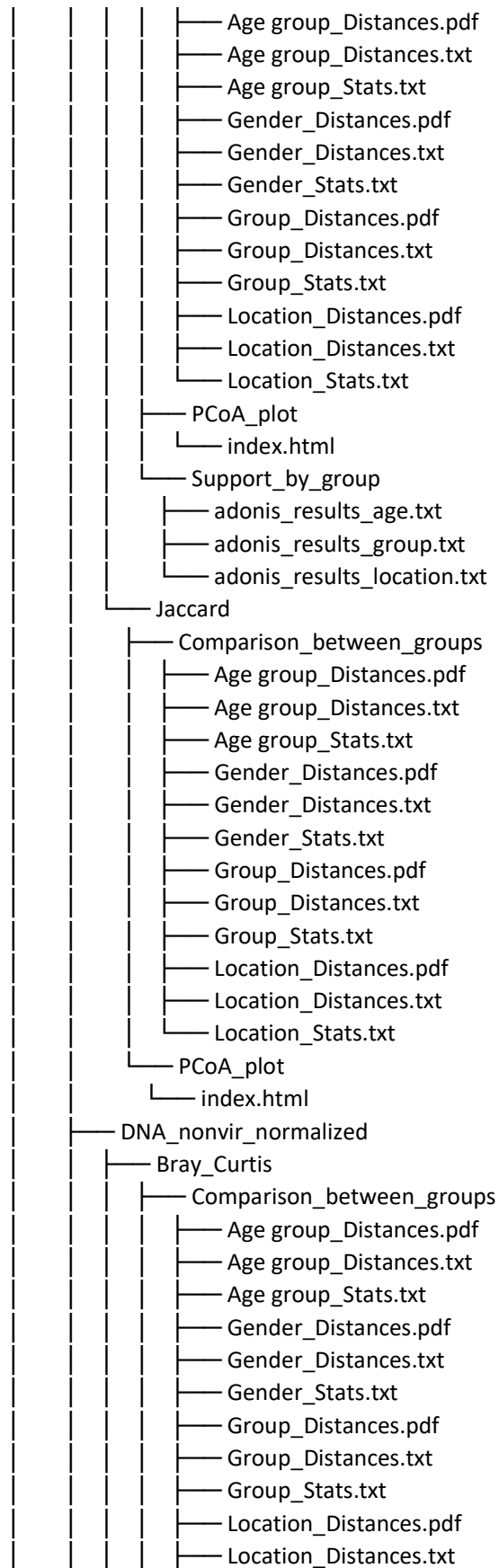
— DNA_subset_bact_7_Species_leg.pdf
— DNA_subset_fungi_1_Domain_fig.pdf
— DNA_subset_fungi_1_Domain_leg.pdf
— DNA_subset_fungi_2_Phylum_fig.pdf
— DNA_subset_fungi_2_Phylum_leg.pdf
— DNA_subset_fungi_3_Class_fig.pdf
— DNA_subset_fungi_3_Class_leg.pdf
— DNA_subset_fungi_4_Order_fig.pdf
— DNA_subset_fungi_4_Order_leg.pdf
— DNA_subset_fungi_5_Family_fig.pdf
— DNA_subset_fungi_5_Family_leg.pdf
— DNA_subset_fungi_6_Genus_fig.pdf
— DNA_subset_fungi_6_Genus_leg.pdf
— DNA_subset_fungi_7_Species_fig.pdf
— DNA_subset_fungi_7_Species_leg.pdf
— DNA_subset_non_vir_1_Domain_fig.pdf
— DNA_subset_non_vir_1_Domain_leg.pdf
— DNA_subset_non_vir_2_Phylum_fig.pdf
— DNA_subset_non_vir_2_Phylum_leg.pdf
— DNA_subset_non_vir_3_Class_fig.pdf
— DNA_subset_non_vir_3_Class_leg.pdf
— DNA_subset_non_vir_4_Order_fig.pdf
— DNA_subset_non_vir_4_Order_leg.pdf
— DNA_subset_non_vir_5_Family_fig.pdf
— DNA_subset_non_vir_5_Family_leg.pdf
— DNA_subset_non_vir_6_Genus_fig.pdf
— DNA_subset_non_vir_6_Genus_leg.pdf
— DNA_subset_non_vir_7_Species_fig.pdf
— DNA_subset_non_vir_7_Species_leg.pdf
— DNA_subset_other_1_Domain_fig.pdf
— DNA_subset_other_1_Domain_leg.pdf
— DNA_subset_other_2_Phylum_fig.pdf
— DNA_subset_other_2_Phylum_leg.pdf
— DNA_subset_other_3_Class_fig.pdf
— DNA_subset_other_3_Class_leg.pdf
— DNA_subset_other_4_Order_fig.pdf
— DNA_subset_other_4_Order_leg.pdf
— DNA_subset_other_5_Family_fig.pdf
— DNA_subset_other_5_Family_leg.pdf
— DNA_subset_other_6_Genus_fig.pdf
— DNA_subset_other_6_Genus_leg.pdf
— DNA_subset_other_7_Species_fig.pdf
— DNA_subset_other_7_Species_leg.pdf
— DNA_subset_proph_1_Domain_fig.pdf
— DNA_subset_proph_1_Domain_leg.pdf
— DNA_subset_proph_2_Phylum_fig.pdf
— DNA_subset_proph_2_Phylum_leg.pdf
— DNA_subset_proph_3_Class_fig.pdf

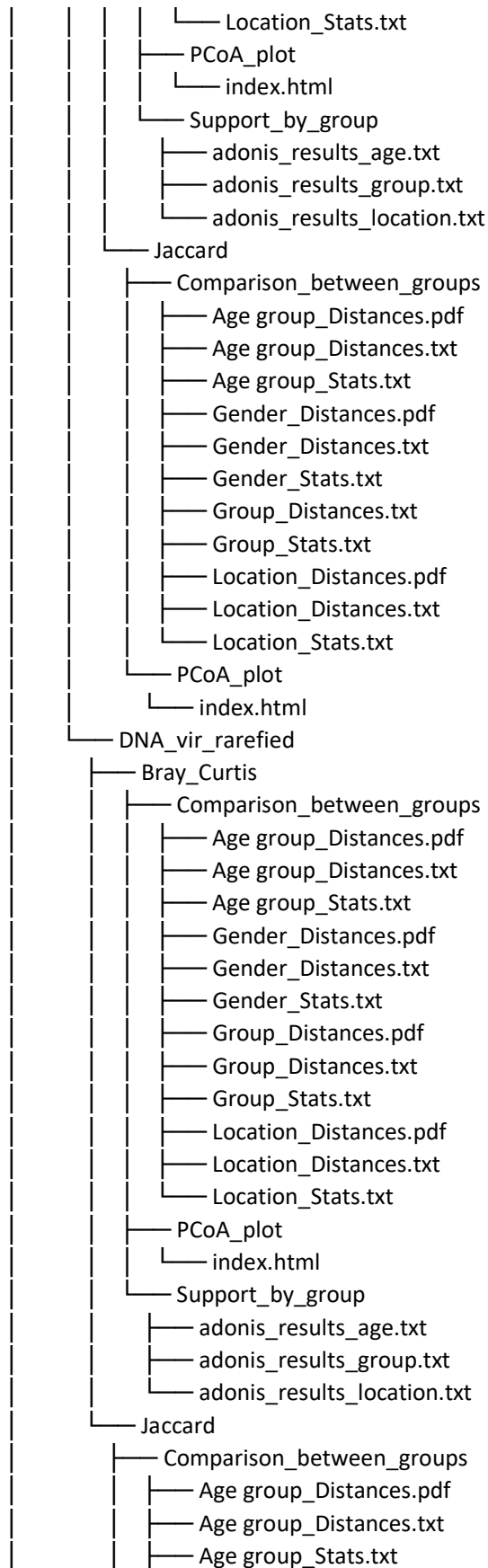
- DNA_subset_proph_3_Class_leg.pdf
 - DNA_subset_proph_4_Order_fig.pdf
 - DNA_subset_proph_4_Order_leg.pdf
 - DNA_subset_proph_5_Family_fig.pdf
 - DNA_subset_proph_5_Family_leg.pdf
 - DNA_subset_proph_6_Genus_fig.pdf
 - DNA_subset_proph_6_Genus_leg.pdf
 - DNA_subset_proph_7_Species_fig.pdf
 - DNA_subset_proph_7_Species_leg.pdf
 - DNA_subset_vir_1_Type_fig.pdf
 - DNA_subset_vir_1_Type_leg.pdf
 - DNA_subset_vir_2_Baltimore_fig.pdf
 - DNA_subset_vir_2_Baltimore_leg.pdf
 - DNA_subset_vir_3_Order_fig.pdf
 - DNA_subset_vir_3_Order_leg.pdf
 - DNA_subset_vir_4_Family_fig.pdf
 - DNA_subset_vir_4_Family_leg.pdf
 - DNA_subset_vir_5_Subfamily_fig.pdf
 - DNA_subset_vir_5_Subfamily_leg.pdf
 - DNA_subset_vir_6_Genus_fig.pdf
 - DNA_subset_vir_6_Genus_leg.pdf
 - DNA_subset_vir_7_Species_fig.pdf
 - DNA_subset_vir_7_Species_leg.pdf
- 02_Rarefaction_curves
 - 16S_rarefaction_fig.pdf
 - 16S_rarefaction_leg.pdf
 - cDNA_rarefaction_fig.pdf
 - cDNA_rarefaction_leg.pdf
 - DNA_rarefaction_fig.pdf
 - DNA_rarefaction_leg.pdf
- 03_Alpha_diversity
 - 16S
 - 16S_chao1_3000_all_samples.pdf
 - 16S_shannon_3000_all_samples.pdf
 - compare_alpha_chao1
 - Age_group_boxplots.pdf
 - Age_group_stats.txt
 - Gender_boxplots.pdf
 - Gender_stats.txt
 - Group_boxplots.pdf
 - Group_stats.txt
 - Location_boxplots.pdf
 - Location_stats.txt
 - compare_alpha_observed_otus
 - Age_group_boxplots.pdf
 - Age_group_stats.txt
 - Gender_boxplots.pdf
 - Gender_stats.txt



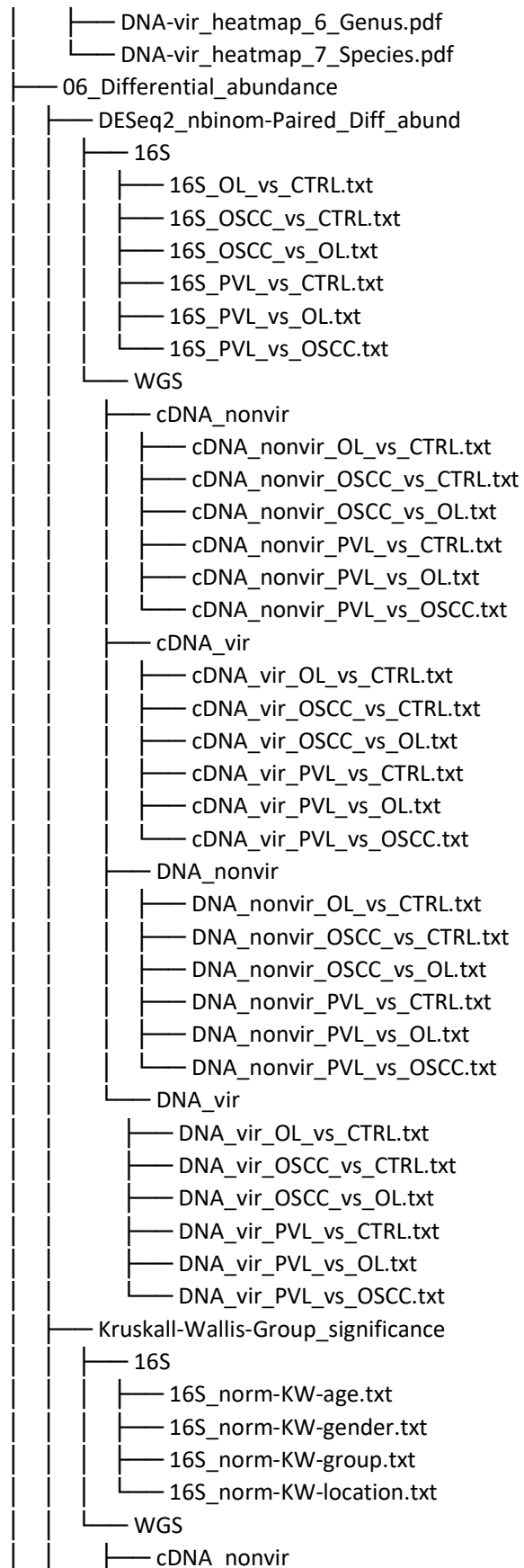
- Gender_stats.txt
 - Group_boxplots.pdf
 - Group_stats.txt
 - Location_boxplots.pdf
 - Location_stats.txt
- compare_alpha_observed_sp
 - Age group_boxplots.pdf
 - Age group_stats.txt
 - Gender_boxplots.pdf
 - Gender_stats.txt
 - Group_boxplots.pdf
 - Group_stats.txt
 - Location_boxplots.pdf
 - Location_stats.txt
- compare_alpha_shannon
 - Age group_boxplots.pdf
 - Age group_stats.txt
 - Gender_boxplots.pdf
 - Gender_stats.txt
 - Group_boxplots.pdf
 - Group_stats.txt
 - Location_boxplots.pdf
 - Location_stats.txt
- DNA_chao1_3000_all_samples.pdf
- DNA_shannon_3000_all_samples.pdf
- 04_Beta_diversity
 - 16S_normalized
 - Bray_Curtis
 - Comparison_between_groups
 - Age group_Distances.pdf
 - Age group_Stats.txt
 - Gender_Distances.pdf
 - Gender_Stats.txt
 - Group_Distances.pdf
 - Group_Stats.txt
 - Location_Distances.pdf
 - Location_Stats.txt
 - PCoA_plot
 - index.html
 - Support_by_group
 - adonis_results_age.txt
 - adonis_results_group.txt
 - adonis_results_location.txt
 - Jaccard
 - Comparison_between_groups
 - Age group_Distances.pdf
 - Age group_Stats.txt
 - Gender_Distances.pdf







- Gender_Distances.pdf
 - Gender_Distances.txt
 - Gender_Stats.txt
 - Group_Distances.pdf
 - Group_Distances.txt
 - Group_Stats.txt
 - Location_Distances.pdf
 - Location_Distances.txt
 - Location_Stats.txt
 - PCoA_plot
 - index.html
- 05_Heatmaps
 - 16S
 - 16S_heatmap_2_Phylum.pdf
 - 16S_heatmap_3_Class.pdf
 - 16S_heatmap_4_Order.pdf
 - 16S_heatmap_5_Family.pdf
 - 16S_heatmap_6_Genus.pdf
 - 16S_heatmap_7_Species.pdf
 - cDNA_subset_nonvir
 - cDNA-nonvir_heatmap_1_Domain.pdf
 - cDNA-nonvir_heatmap_2_Phylum.pdf
 - cDNA-nonvir_heatmap_3_Class.pdf
 - cDNA-nonvir_heatmap_4_Order.pdf
 - cDNA-nonvir_heatmap_5_Family.pdf
 - cDNA-nonvir_heatmap_6_Genus.pdf
 - cDNA-nonvir_heatmap_7_Species.pdf
 - cDNA_subset_vir
 - cDNA-vir_heatmap_2_Baltimore.pdf
 - cDNA-vir_heatmap_3_Order.pdf
 - cDNA-vir_heatmap_4_Family.pdf
 - cDNA-vir_heatmap_5_Subfamily.pdf
 - cDNA-vir_heatmap_6_Genus.pdf
 - cDNA-vir_heatmap_7_Species.pdf
 - DNA_subset_nonvir
 - DNA-nonvir_heatmap_1_Domain.pdf
 - DNA-nonvir_heatmap_2_Phylum.pdf
 - DNA-nonvir_heatmap_3_Class.pdf
 - DNA-nonvir_heatmap_4_Order.pdf
 - DNA-nonvir_heatmap_5_Family.pdf
 - DNA-nonvir_heatmap_6_Genus.pdf
 - DNA-nonvir_heatmap_7_Species.pdf
 - DNA_subset_vir
 - DNA-vir_heatmap_1_Type.pdf
 - DNA-vir_heatmap_2_Baltimore.pdf
 - DNA-vir_heatmap_3_Order.pdf
 - DNA-vir_heatmap_4_Family.pdf
 - DNA-vir_heatmap_5_Subfamily.pdf



- cDNA_nonvir_norm-KW-age.txt
 - cDNA_nonvir_norm-KW-gender.txt
 - cDNA_nonvir_norm-KW-group.txt
 - cDNA_nonvir_norm-KW-location.txt
 - cDNA_vir
 - cDNA_vir_rare-KW-age.txt
 - cDNA_vir_rare-KW-gender.txt
 - cDNA_vir_rare-KW-group.txt
 - cDNA_vir_rare-KW-location.txt
 - DNA_nonvir
 - DNA_nonvir_norm-KW-age.txt
 - DNA_nonvir_norm-KW-gender.txt
 - DNA_nonvir_norm-KW-group.txt
 - DNA_nonvir_norm-KW-location.txt
 - DNA_vir
 - DNA_vir_rare-KW-age.txt
 - DNA_vir_rare-KW-gender.txt
 - DNA_vir_rare-KW-group.txt
 - DNA_vir_rare-KW-location.txt
- LEfSe
 - 16S
 - 16_Cladogram.pdf
 - 16S_All_Diff_Markers.zip
 - 16S_LEfSe.pdf
 - cDNA_nonvir
 - cDNA_nonvir_All_Diff_Markers.zip
 - cDNA_nonvir_LEfSe.pdf
 - DNA_nonvir
 - DNA_nonvir_All_Diff_Markers.zip
 - DNA_nonvir_Cladogram.pdf
 - DNA_nonvir_LEfSe.pdf
- 07_Tables
 - 01_Raw
 - 16S_Sp_collated_table.txt
 - cDNA_subset_table.txt
 - DNA_subset_table.txt
 - 02_Split_domain
 - cDNA
 - cDNA_subset_all.txt
 - cDNA_subset_bact.txt
 - cDNA_subset_fungi.txt
 - cDNA_subset_non_vir.txt
 - cDNA_subset_other.txt
 - cDNA_subset_proph.txt
 - cDNA_subset_vir.txt
 - DNA
 - DNA_subset_all.txt
 - DNA_subset_bact.txt

```
|
|
|   |— DNA_subset_fungi.txt
|   |— DNA_subset_non_vir.txt
|   |— DNA_subset_other.txt
|   |— DNA_subset_proph.txt
|   |— DNA_subset_vir.txt
|   |
|   |— 03_Strict
|   |
|   |   |— 16S_STRICT_table.txt
|   |   |— cDNA_nonvir_STRICT_table.txt
|   |   |— cDNA_vir_STRICT_table.txt
|   |   |— DNA_nonvir_STRICT_table.txt
|   |   |— DNA_vir_STRICT_table.txt
|   |
|   |— Appendix_contents.txt
```

181 directories, 1024 files