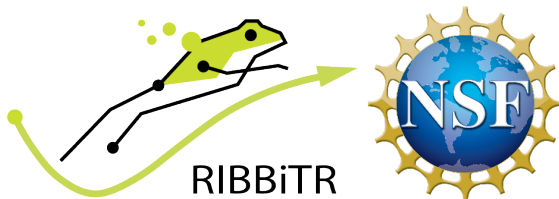# RIBBiTR Schema's

Updated: 2022-11-07

Data Acquisition Protocol

- Select variables of interest from the data tables within schemas
- Contact data owners within RIBBiTR for approved use of data; CC data manager

    - Per RIBBiTR data sharing agreement
    - Data owners
        * Panama Survey Data: Jamie Voyles
        * SERDP Survey Data: Cori Richards-Zawacki
        * Pennsylvania Survey Data: Cori Richards-Zawacki
        * Sierra Nevada Survey Data: Roland Knapp
        * Brazil Legacy Survey Data: Gui Becker
        * AMP: Louise Rollins-Smith
        * Microbiome: Doug Woodhams
        * Genetic: Bree Rosenblum
        * Antibody: Louise Rollins-Smith
        * Bacterial: Doug Woodhams
        * Mucosome: Doug Woodhams

- Contact data manager to develop query for variables of interest
- *Note*: If you are requesting data from a processed swab table, then you must also contact the team that collected the swab and the team that processed the swab.

Swab Data Nomenclature

- bd_swab_id: dry swab used for Bd detection
- genetic_id: sample used for genetic processing (buccal, toe clip, tissue)
- bacterial_swab_id: swab used for culturing bacteria
- mucosome_id: sample used for identifying all micro organisms
- microbiome_swab_id: swab used for sequencing bacteria
- crispr_swab_id: swab used for crispr Bd detection
- amp_id: sample used for anti-microbial peptide processing
- antibody_id:

Schema: "survey_data"

aural
- aural_id
- species_aural
- call_index
- notes_aural
- count
- detection_location
- microhab
- life_stage
- sex
- microhab_moredetail
- penn_survey_id
- panama_survey_id

panama_survey
- panama_survey_id
- transect
- frog_presence
- observers
- number_observers
- start_time
- end_time
- duration_minutes
- samp_loc
- pressure_hg
- humidity_percent
- wind_speed_m_s
- air_temp_c
- water_temp_c
- dissolved_o2_percent
- p_h
- conductivity_uS_cm
- tds_ppm
- salinity_ppt
- cloud_cover_percent
- precip
- notes_survey
- qaqc_survey
- soil_humidity_m3m3
- visit_id

ves
- ves_id
- species_ves
- count
- detection_location
- microhab
- life_stage
- sex
- notes_ves
- microhab_moredetail
- visual_animal_state
- penn_survey_id
- panama_survey_id
- sierra_nevada_survey_id

penn_survey
- penn_survey_id
- observer
- start_time
- end_time
- duration_minutes
- visit_id

site
- site_id
- site
- utm_zone
- utme
- utmn
- site_code
- site_comments
- elevation_m
- area_sqr_m
- depth_m
- topo
- wilderness
- region_id

region
- region_id
- region
- location_id

location
- location_id
- location

visit
- visit_id
- campaign
- date
- survey_time
- visit_notes
- site_code
- visit_status
- site_id

brazil_legacy_survey
- brazil_legacy_survey_id
- start_time
- end_time
- campaign
- duration_minutes
- visit_id

sierra_nevada_survey
- sierra_nevada_survey_id
- wind
- sky
- start_time
- end_time
- duration
- air_temp
- air_time
- water_temp
- water_time
- fish
- description
- comment
- survey_quality
- visit_id

capture
- capture_id
- species_capture
- time_of_capture
- capture_trx_loc
- microhabitat_type
- body_temp_c
- substrate_temp_c
- svl_mm
- body_mass_g
- life_stage
- sex
- capture_animal_state
- bd_swab_id
- genetic_id
- microbiome_swab_id
- amp_id
- e_dna
- photo
- photo_id
- notes_capture
- microhab_moredetail
- body_and_bag_mass_g
- bag_mass_g
- mucosome_id
- bacterial_swab_id
- ampshcl
- marked
- capture_utme
- capture_utmn
- bag_id
- processor
- capture_type
- capture_mark_recapture
- crispr_id
- amp_id_2
- amp_id_3
- amp_id_4
- antibody_id
- antibody_id_2
- antibody_id_3
- antibody_id_4
- microhabitat_notes
- tail_length_mm
- buckets
- location
- temp_gun
- clearcut
- number_of_mites
- flir
- tad_stage
- penn_survey_id
- brazil_legacy_survey_id
- serdp_survey_id
- panama_survey_id
- sierra_nevada_survey_id

serdp_newt_microbiome_mucosome_antifungal
- mucosome_id
- microbiome_swab_id
- swab_id
- observed_features
- faith_pd
- shannon_entropy
- pielou_evenness
- exp_shannon
- all_seqs_richness
- total_all_seqs
- propor_total_all_seqs
- propor_total_all_seqs_richness
- total_facilitating
- propor_total_facilitating
- propor_total_facilitating_richness
- anti_fungal_richness
- total_anti_fungal
- propor_total_anti_fungal
- propor_total_anti_fungal_richness
- ttx_richness
- total_ttx
- propor_total_ttx
- corrected_viability
- shedding_ct
- shedding_bd_mean
- shedding_bd_swab
- shedding_infected

serdp_amp
- amp_id
- temp_1p_1368_9
- temp_1p_intensity
- brev_1pi_1834
- brev_1pi_intensity
- brev_1pa_2562_4
- brev_1pa_intensity
- brev_1pb_2576_4
- brev_1pb_intensity
- brev_1pg_2595_5_brev_1pk_2593_5
- brev_1pg_k_intensity
- rana_2p_2999_6
- rana_2p_intensity
- rana_2pb_3521
- rana_2pb_intensity
- maldi_notes
- censor
- total_peptides_ug
- water
- season
- julian_date
- peptides_ug_gbw
- peptides_ug_cm2
- peptides_ug_ml_mucus
- smi
- gia_plate_pos_growth
- date_gia
- gia_final_reading
- percent_inhibition_16_ug_ml
- percent_inhibition_31_ug_ml
- percent_inhibition_63_ug_ml
- percent_inhibition_125_ug_ml
- percent_inhibition_250_ug_ml
- percent_inhibition_500_ug_ml
- slope
- ic50
- mic
- gia_notes
- daily_avg_t
- daily_max_t
- daily_min_t
- dailyrange_t
- daily_rh
- daily_r_hrange
- diff_temp
- last2humidity
- last2t_air
- last2t_maxair
- lastmo_air
- delta_air2w
- delta_airfm
- degreedays

serdp_survey
- serdp_survey_id
- site_code
- no_of_investigators
- investigator_i_ds
- start_time
- end_time
- wind_speed_scale
- precipitation_during_visit
- precipitation_last_48_h
- temperature_last_48_h
- percent_cloud_cover
- weather_condition_notes
- pressure_psi
- pressure_psi_drop
- relative_humidity
- relative_humidity_drop
- wind_speed_mpers_min
- wind_speed_mpers_max
- air_temp_deg_c
- air_temp_deg_c_drop
- water_temp_deg_c
- p_h
- conductivity
- total_dissolved_solids
- densiometer_d1_num_covered
- d1_n
- d1_s
- d1_e
- d1_w
- d1_percent_cover
- densiometer_d2_num_covered
- d2_n
- d2_s
- d2_e
- d2_w
- d2_percent_cover
- depth_of_water_from_d2_cm
- percent_vegetation_cover
- vegetation_notes
- e_dna_sample
- survey_notes
- pressure_hg
- wind_speed_mpers
- secchi_depth_cm
- duration_minutes
- visit_id

serdp_bd
- bd_swab_id
- qpcr_date
- qpcr_neg_cont
- sample_quality
- sample_ipc
- sample_rerun
- sample_bd
- sample_bd_ct
- sample_bd_qty
- bd_load
- notes

sierra_nevada_bd
- bd_swab_id
- replicate
- start_quant
- std_type
- dilution
- bd_load

serdp_bd_genomic
- genetic_id
- seq_run
- n_seqs_187
- avg_alleles_per_locus
- lineage_astral_187
- lineage_dapc_2_99cut

panama_bd_temp
- bd_swab_id
- bd_load

Schema: "hobo"

shade_hobo
- shade_hobo_id
- date_time
- shade_temperature_c
- relative_humidity
- dew_point_c
- enviro_location
- time_zone
- hobo_site_id

soil_hobo
- soil_hobo_id
- date_time
- soil_temperature_c
- enviro_location
- time_zone
- hobo_site_id

hobo_site
- hobo_site_id
- site_code
- region
- site
- site_comments
- location
- utm_zone
- utme
- utmn

sun_hobo
- sun_hobo_id
- date_time
- sun_temperature_c
- light
- enviro_location
- time_zone
- hobo_site_id

water_hobo
- water_hobo_id
- date_time
- water_temperature_c
- light
- enviro_location
- time_zone
- hobo_site_id