

built structure age	MIXS:0000145								
built structure setting	MIXS:0000778								
built structure type	MIXS:0000721								
calcium	MIXS:0000432								
carbon dioxide	MIXS:0000097								
carbon monoxide	MIXS:0000098								
carbon/nitrogen ratio	MIXS:0000310								
ceiling area	MIXS:0000148								
ceiling condition	MIXS:0000779								
ceiling finish material	MIXS:0000780								
ceiling signs of water/mold	MIXS:0000781								
ceiling structure	MIXS:0000782								
ceiling texture	MIXS:0000783								
ceiling thermal mass	MIXS:0000143								
ceiling type	MIXS:0000784								
chemical administration	MIXS:0000751								
chemical mutagen	MIXS:0000555								
chemical oxygen demand	MIXS:0000656								
chemical treatment	MIXS:0001012								
chemical treatment method	MIXS:0000457								
chimera check	MIXS:0000052								
chloride	MIXS:0000429								
chlorophyll	MIXS:0000177								
climate environment	MIXS:0001040								
coinf_host_symbiont	MIXS:0001310								
coll_site_geo_feat	MIXS:0001183								
collected_by	MIXS:0001266								
collected_by	MIXS:0001266								
collection date	MIXS:0000011								
completeness approach	MIXS:0000071								
completeness score	MIXS:0000069								
completeness software	MIXS:0000070								
composite design/sieving	MIXS:0000322								
conductivity	MIXS:0000692								
cons_food_stor_dur	MIXS:0001195								
cons_food_stor_temp	MIXS:0001196								
cons_purch_date	MIXS:0001197								
cons_qty_purchased	MIXS:0001198								
contamination score	MIXS:0000072								
contamination screening input	MIXS:0000005								
contamination screening parameters	MIXS:0000073								
cooling system identifier	MIXS:0000785								
corrosion rate at sample location	MIXS:0000136								
crop_yield	MIXS:0001116								
cult_isol_date	MIXS:0001181								
cult_result	MIXS:0001117								
cult_result_org	MIXS:0001118								
cult_target	MIXS:0001119								
culture rooting medium	MIXS:0001041								
current land use	MIXS:0001080								
current vegetation	MIXS:0000312								
current vegetation method	MIXS:0000314								
date last rain	MIXS:0000786								
date_antiviral_treat	MIXS:0001285								
date_antiviral_treat	MIXS:0001285								
date_CoV-2_vacc	MIXS:0001283								
date_CoV-2_vacc	MIXS:0001283								
date_extr_weath	MIXS:0001142								
date_of_prior_SARS-CoV-2_infection	MIXS:0001279								
date_of_prior_SARS-CoV-2_infection	MIXS:0001279								
decontamination software	MIXS:0000074								
density	MIXS:0000435								
depositional environment	MIXS:0000992								
depth	MIXS:0000018								
depth (TVDS) of hydrocarbon resource pressu	MIXS:0000397								
depth (TVDS) of hydrocarbon resource tempe	MIXS:0000394								
dermatology disorder	MIXS:0000284								
design, construction, and operation documents	MIXS:0000787								
details_seq_purpose	MIXS:0001268								
details_seq_purpose	MIXS:0001268								
detection type	MIXS:0000084								
dew point	MIXS:0000129								
diagnostic_gene	MIXS:0001287								
diagnostic_gene	MIXS:0001287								
diagnostic_pcr_Ct	MIXS:0001289								
diagnostic_pcr_Ct	MIXS:0001289								
diagnostic_pcr_prot	MIXS:0001288								
diagnostic_pcr_prot	MIXS:0001288								
dietary_claim_use	MIXS:0001199								
diether lipids	MIXS:0000178								
dissolved carbon dioxide	MIXS:0000436								
dissolved hydrogen	MIXS:0000179								
dissolved inorganic carbon	MIXS:0000434								
dissolved inorganic nitrogen	MIXS:0000698								

dissolved inorganic phosphorus	MIXS:0000106						
dissolved iron	MIXS:0000139						
dissolved organic carbon	MIXS:0000433						
dissolved organic nitrogen	MIXS:0000162						
dissolved oxygen	MIXS:0000119						
dissolved oxygen in fluids	MIXS:0000438						
dominant hand	MIXS:0000944						
door area or size	MIXS:0000158						
door condition	MIXS:0000788						
door direction of opening	MIXS:0000789						
door location	MIXS:0000790						
door material	MIXS:0000791						
door movement	MIXS:0000792						
door signs of water/mold	MIXS:0000793						
door type	MIXS:0000794						
door type, composite	MIXS:0000795						
door type, metal	MIXS:0000796						
door type, wood	MIXS:0000797						
douche	MIXS:0000967						
downward PAR	MIXS:0000703						
drainage classification	MIXS:0001085						
drawings	MIXS:0000798						
drug usage	MIXS:0000894						
efficiency percent	MIXS:0000657						
elevation	MIXS:0000093						
elevator count	MIXS:0000799						
emulsions	MIXS:0000660						
encoded traits	MIXS:0000034						
enrichment_protocol	MIXS:0001177						
env_ag_biome	MIXS:0001294						
env_feature	MIXS:0001250						
env_monitoring_zone	MIXS:0001254						
environmental medium	MIXS:0000014						
environmental package	MIXS:0000049						
escalator count	MIXS:0000800						
estimated size	MIXS:0000024						
ethylbenzene	MIXS:0000155						
experimental factor	MIXS:0000008						
exposed ductwork	MIXS:0000144						
exposed pipes	MIXS:0000220						
exposure location	MIXS:0001276						
exposure_location	MIXS:0001276						
exposure_event	MIXS:0001277						
exposure_event	MIXS:0001277						
exterior door count	MIXS:0000170						
extr_weather_event	MIXS:0001141						
extrachromosomal elements	MIXS:0000023						
extreme_unusual_properties/Al saturation	MIXS:0000607						
extreme_unusual_properties/Al saturation method	MIXS:0000324						
extreme_unusual_properties/heavy metals	MIXS:0000652						
extreme_unusual_properties/heavy metals method	MIXS:0000343						
extreme_unusual_properties/salinity	MIXS:0000651						
extreme_unusual_properties/salinity method	MIXS:0000341						
facility type	MIXS:0001252						
farm equip	MIXS:0001126						
farm equip_san	MIXS:0001124						
farm equip_san_freq	MIXS:0001125						
farm equip_shared	MIXS:0001123						
farm_water_source	MIXS:0001110						
feature prediction	MIXS:0000061						
ferm_chem_add	MIXS:0001185						
ferm_chem_add_perc	MIXS:0001186						
ferm_headspace_oxy	MIXS:0001187						
ferm_medium	MIXS:0001188						
ferm_pH	MIXS:0001189						
ferm_rel_humidity	MIXS:0001190						
ferm_temp	MIXS:0001191						
ferm_time	MIXS:0001192						
ferm_vessel	MIXS:0001193						
fertilizer regimen	MIXS:0000556						
fertilizer_admin	MIXS:0001127						
fertilizer_date	MIXS:0001128						
field name	MIXS:0000291						
filter type	MIXS:0000765						
fireplace type	MIXS:0000802						
floor age	MIXS:0000164						
floor area	MIXS:0000165						
floor condition	MIXS:0000803						
floor count	MIXS:0000225						
floor finish material	MIXS:0000804						
floor signs of water/mold	MIXS:0000805						
floor structure	MIXS:0000806						
floor thermal mass	MIXS:0000166						
fluorescence	MIXS:0000704						

food contact surface	MIXS:0001131								
food product by quality	MIXS:0001213								
food product type	MIXS:0001184								
food_additive	MIXS:0001200								
food_allergen_label	MIXS:0001201								
food_clean_proc	MIXS:0001182								
food_contain_wrap	MIXS:0001132								
food_cooking_proc	MIXS:0001202								
food_dis_point	MIXS:0001203								
food_dis_point_city	MIXS:0001204								
food_harvest_proc	MIXS:0001133								
food_ingredient	MIXS:0001205								
food_name_status	MIXS:0001206								
food_origin	MIXS:0001207								
food_pack_capacity	MIXS:0001208								
food_pack_integrity	MIXS:0001209								
food_pack_medium	MIXS:0001134								
food_preserv_proc	MIXS:0001135								
food_prior_contact	MIXS:0001210								
food_prod	MIXS:0001211								
food_prod_char	MIXS:0001136								
food_prod_synonym	MIXS:0001212								
food_quality_date	MIXS:0001178								
food_source	MIXS:0001139								
food_source_age	MIXS:0001251								
food_trace_list	MIXS:0001214								
food_trav_mode	MIXS:0001137								
food_trav_vehic	MIXS:0001138								
food_treat_proc	MIXS:0001140								
formation water salinity	MIXS:0000406								
frequency of cleaning	MIXS:0000226								
frequency of cooking	MIXS:0000227								
fungicide regimen	MIXS:0000557								
furniture	MIXS:0000807								
gaseous environment	MIXS:0000558								
gaseous substances	MIXS:0000661								
gastrointestinal tract disorder	MIXS:0000280								
gender of restroom	MIXS:0000808								
genetic modification	MIXS:0000859								
geographic location (country and/or sea,region)	MIXS:0000010								
geographic location (depth)	MIXS:0000018								
geographic location (latitude and longitude)	MIXS:0000009								
GISAIID_accession	MIXS:0001265								
GISAIID_accession	MIXS:0001265								
GISAIID_virus_name	MIXS:0001264								
GISAIID_virus_name	MIXS:0001264								
glucosidase activity	MIXS:0000137								
gravity	MIXS:0000875								
gravity	MIXS:0000559								
growth facility	MIXS:0001043								
growth habit	MIXS:0001044								
growth hormone regimen	MIXS:0000560								
growth medium	MIXS:0001108								
growth substrate	MIXS:0001290								
gynecological disorder	MIXS:0000288								
HACCP_term	MIXS:0001215								
hallway/corridor count	MIXS:0000228								
handidness	MIXS:0000809								
heating and cooling system type	MIXS:0000766								
heating delivery locations	MIXS:0000810								
heating system delivery method	MIXS:0000812								
heating system identifier	MIXS:0000833								
height carpet fiber mat	MIXS:0000167								
herbicide regimen	MIXS:0000561								
history/agrochemical additions	MIXS:0000639								
history/crop rotation	MIXS:0000318								
history/extreme events	MIXS:0000320								
history/fire	MIXS:0001086								
history/flooding	MIXS:0000319								
history/previous land use	MIXS:0000315								
history/previous land use method	MIXS:0000316								
history/tillage	MIXS:0001081								
horizon	MIXS:0001082								
horizon method	MIXS:0000321								
host age	MIXS:0000255								
host blood pressure diastolic	MIXS:0000258								
host blood pressure systolic	MIXS:0000259								
host body habitat	MIXS:0000866								
host body product	MIXS:0000888								
host body site	MIXS:0000867								
host body temperature	MIXS:0000274								
host body-mass index	MIXS:0000317								
host color	MIXS:0000260								
host common name	MIXS:0000248								

host diet	MIXS:0000869								
host disease status	MIXS:0000031								
host dry mass	MIXS:0000257								
host family relationship	MIXS:0000872								
host genotype	MIXS:0000365								
host growth conditions	MIXS:0000871								
host height	MIXS:0000264								
host HIV status	MIXS:0000265								
host infra-specific name	MIXS:0000253	deprecated-in-V6							
host infra-specific rank	MIXS:0000254	deprecated-in-V6							
host last meal	MIXS:0000870								
host length	MIXS:0000256								
host life stage	MIXS:0000251								
host occupation	MIXS:0000896								
host_of_host_name	MIXS:0001324								
host_of_host_env_local	MIXS:0001325								
host_of_host_env_med	MIXS:0001326								
host phenotype	MIXS:0000874								
host prediction approach	MIXS:0000088								
host prediction estimated accuracy	MIXS:0000089								
host pulse	MIXS:0000333								
host sex	MIXS:0000811								
host shape	MIXS:0000261								
host specificity or range	MIXS:0000030								
host subject id	MIXS:0000861								
host substrate	MIXS:0000252								
host taxid	MIXS:0000250								
host tissue location	MIXS:0001323								
host total mass	MIXS:0000263								
host wet mass	MIXS:0000567								
host_disease_outcome	MIXS:0001271								
host_disease_outcome	MIXS:0001271								
host_disease_stat	MIXS:0000031								
host_health_state	MIXS:0001270								
host_health_state	MIXS:0001270								
host_number_individual	MIXS:0001305								
host_subspecf_genlin	MIXS:0001318								
host_symbiont	MIXS:0001309								
host_variety	MIXS:0001143								
HRT	MIXS:0000969								
humidity	MIXS:0000100								
humidity regimen	MIXS:0000568								
hydrocarbon resource geological age	MIXS:0000993								
hydrocarbon resource original pressure	MIXS:0000395								
hydrocarbon resource original temperature	MIXS:0000393								
hydrocarbon resource type	MIXS:0000988								
hydrocarbon type produced	MIXS:0000989								
hygienic_area	MIXS:0001253								
hysterectomy	MIXS:0000287								
IFSAC_category	MIXS:0001179								
IHMC ethnicity	MIXS:0000895								
IHMC medication code	MIXS:0000884								
indoor space	MIXS:0000763								
indoor surface	MIXS:0000764								
industrial effluent percent	MIXS:0000662								
infection_duration	MIXS:0001299								
injection water breakthrough date of specific well	MIXS:0001010								
injection water fraction	MIXS:0000455								
inorganic particles	MIXS:0000664								
insect_collect_prot	MIXS:0001292	term not added as all details can already be captured in MIXS:0000002 and MIXS:0001225							
insect_sample	MIXS:0001293	term not added as all details can already be captured in MIXS:0001309 and other terms in the symbiont associated package							
inside lux light	MIXS:0000168								
intended_consumer	MIXS:0001144								
interior wall condition	MIXS:0000813								
intracellular_location	MIXS:0001314								
investigation type	MIXS:0000007								
isolation and growth condition	MIXS:0000003								
isolation_source	MIXS:0001269								
isolation_source	MIXS:0001269								
known pathogenicity	MIXS:0000027								
last time swept/mopped/vacuumed	MIXS:0000814								
library layout	MIXS:0000041								
library reads sequenced	MIXS:0000040								
library screening strategy	MIXS:0000043								
library size	MIXS:0000039								
library vector	MIXS:0000042								
library_prep_kit	MIXS:0001145								
life_cycle_type	MIXS:0001300								
light intensity	MIXS:0000706								
light regimen	MIXS:0000569								
light type	MIXS:0000769								
link to classification information	MIXS:0000329								
link to climate information	MIXS:0000328								
links to additional analysis	MIXS:0000340								

soil_horizon	MIXS:0001291						
soil_pH	MIXS:0001160						
soil_porosity	MIXS:0001162						
soil_rel_location	MIXS:0001161						
soil_taxonomic/FAO classification	MIXS:0001083						
soil_taxonomic/local classification	MIXS:0000330						
soil_taxonomic/local classification method	MIXS:0000331						
soil_temp	MIXS:0001163						
soil_texture_class	MIXS:0001164						
soil_texture_meth	MIXS:0001165						
soil_type_name	MIXS:0001166						
solar irradiance	MIXS:0000112						
soluble inorganic material	MIXS:0000672						
soluble organic material	MIXS:0000673						
soluble reactive phosphorus	MIXS:0000738						
sorting technology	MIXS:0000075						
source material identifiers	MIXS:0000026						
source of UVIGs	MIXS:0000035						
source rock depositional environment	MIXS:0000996						
source rock geological age	MIXS:0000997						
source rock kerogen type	MIXS:0000994						
source rock lithology	MIXS:0000995						
space typical state	MIXS:0000770						
spec_intended_cons	MIXS:0001234						
special diet	MIXS:0000905						
species of pathogen	MIXS:0001297						
specific host	MIXS:0000029						
specific humidity	MIXS:0000214						
specifications	MIXS:0000836						
specificity_type	MIXS:0001308						
spikein_AMR	MIXS:0001235						
spikein_antibiotic	MIXS:0001171						
spikein_growth_med	MIXS:0001169						
spikein_metal	MIXS:0001172						
spikein_org	MIXS:0001167						
spikein organism count	MIXS:0001335						
spikein_serovar	MIXS:0001168						
spikein_strain	MIXS:0001170						
standing water regimen	MIXS:0001069						
ster_meth_samp_room	MIXS:0001259						
storage conditions	MIXS:0000327						
study completion status	MIXS:0000898						
study_design	MIXS:0001236						
study_inc_dur	MIXS:0001237						
study_inc_temp	MIXS:0001238						
study_timecourse	MIXS:0001239						
study_tmnt	MIXS:0001240						
submitted to insdc	MIXS:0000004						
subspecific genetic lineage	MIXS:0000020						
substructure type	MIXS:0000767						
sulfate	MIXS:0000423						
sulfate in formation water	MIXS:0000407						
sulfide	MIXS:0000424						
surface humidity	MIXS:0000123						
surface material	MIXS:0000758						
surface moisture	MIXS:0000128						
surface moisture pH	MIXS:0000760						
surface temperature	MIXS:0000125						
surface-air contaminant	MIXS:0000759						
suspended particulate matter	MIXS:0000741						
suspended solids	MIXS:0000150						
host_location	MIXS:0001313						
symb_hosts_relat	MIXS:0001304						
symbiont life stage	MIXS:0001301						
symbiont_body_site	MIXS:0001311						
symb_host_family_rel	MIXS:0001328						
symb_host_infra_name	MIXS:0001329						
symb_host_infra_rank	MIXS:0001330						
symb_host_genotype	MIXS:0001331						
symb_host_phenotype	MIXS:0001332						
symb_host_gravidity	MIXS:0001333						
symb_host_tot_mass	MIXS:0001334						
symb_host_id	MIXS:0001327						
symbiont_host_role	MIXS:0001303						
symbiont_host_type	MIXS:0001302						
symb_host_taxid	MIXS:0001306						
symbiotic_relat	MIXS:0001315						
target gene	MIXS:0000044						
target subfragment	MIXS:0000045						
taxid	MIXS:0001320						
taxonomic classification	MIXS:0000064						
taxonomic identity marker	MIXS:0000053						
temperature	MIXS:0000113						
temperature outside house	MIXS:0000197						

benzene	MIXS:0000153								
binning parameters	MIXS:0000077								
binning software	MIXS:0000078								
biochemical oxygen demand	MIXS:0000653								
biocide administration	MIXS:0001011								
biocide administration method	MIXS:0000456								
biocide_used	MIXS:0001258								
biological status	MIXS:0000858								
biomass	MIXS:0000174								
bioproject_accession	MIXS:0001262								
biotic regimen	MIXS:0001038								
birth control	MIXS:0000286								
bishomohopanol	MIXS:0000175								
blood/blood disorder	MIXS:0000271								
broad-scale environmental condition	MIXS:0000012								
bromide	MIXS:0000176								
building occupancy type	MIXS:0000761								
building setting	MIXS:0000768								
built structure age	MIXS:0000145								
built structure setting	MIXS:0000778								
built structure type	MIXS:0000721								
calcium	MIXS:0000432								
carbon dioxide	MIXS:0000097								
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ceiling finish material	MIXS:0000780								
ceiling signs of water/mold	MIXS:0000781								
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ceiling texture	MIXS:0000783								
ceiling thermal mass	MIXS:0000143								
ceiling type	MIXS:0000784								
chemical administration	MIXS:0000751								
chemical mutagen	MIXS:0000555								
chemical oxygen demand	MIXS:0000656								
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date_antiviral_treat	MIXS:0001285							
date_antiviral_treat	MIXS:0001285							
date_CoV-2_vacc	MIXS:0001283							
date_CoV-2_vacc	MIXS:0001283							
date_extr_weath	MIXS:0001142							
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date_of_prior_SARS-CoV-2	MIXS:0001279							
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depth (TVDSS) of hydrocarb	MIXS:0000394							
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diagnostic_gene	MIXS:0001287							
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door material	MIXS:0000791							
door movement	MIXS:0000792							
door signs of water/mold	MIXS:0000793							
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door type, metal	MIXS:0000796							
door type, wood	MIXS:0000797							
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downward PAR	MIXS:0000703							
drainage classification	MIXS:0001085							
drawings	MIXS:0000798							
drug usage	MIXS:0000894							
efficiency percent	MIXS:0000657							
elevation	MIXS:0000093							
elevator count	MIXS:0000799							
emulsions	MIXS:0000660							
encoded traits	MIXS:0000034							

enrichment_protocol	MIXS:0001177								
env_ag_biome	MIXS:0001294	#221 - removed before publication of Ag package							
env_feature	MIXS:0001250	#201 - redundant term removed before publication of food packages							
env_monitoring_zone	MIXS:0001254								
environmental medium	MIXS:0000014								
escalator count	MIXS:0000800								
estimated size	MIXS:0000024								
ethylbenzene	MIXS:0000155								
experimental factor	MIXS:0000008								
exposed ductwork	MIXS:0000144								
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exposure location	MIXS:0001276								
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extreme_unusual_properties	MIXS:0000324								
extreme_unusual_properties	MIXS:0000652								
extreme_unusual_properties	MIXS:0000343								
extreme_unusual_properties	MIXS:0000651	#75 deprecated and merged with MIXS:0000109							
extreme_unusual_properties	MIXS:0000341								
facility type	MIXS:0001252								
farm equip	MIXS:0001126								
farm equip_san	MIXS:0001124								
farm equip_san_freq	MIXS:0001125								
farm equip_shared	MIXS:0001123								
farm_water_source	MIXS:0001110								
feature prediction	MIXS:0000061								
ferm_chem_add	MIXS:0001185								
ferm_chem_add_perc	MIXS:0001186								
ferm_headspace_oxy	MIXS:0001187								
ferm_medium	MIXS:0001188								
ferm_pH	MIXS:0001189								
ferm_rel_humidity	MIXS:0001190								
ferm_temp	MIXS:0001191								
ferm_time	MIXS:0001192								
ferm_vessel	MIXS:0001193								
fertilizer regimen	MIXS:0000556								
fertilizer_admin	MIXS:0001127								
fertilizer_date	MIXS:0001128								
field name	MIXS:0000291								
filter type	MIXS:0000765								
fireplace type	MIXS:0000802								
floor age	MIXS:0000164								
floor area	MIXS:0000165								
floor condition	MIXS:0000803								
floor count	MIXS:0000225								
floor finish material	MIXS:0000804								
floor signs of water/mold	MIXS:0000805								
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food_clean_proc	MIXS:0001182								
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food_pack_medium	MIXS:0001134								
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food_prior_contact	MIXS:0001210								
food_prod	MIXS:0001211								
food_prod_char	MIXS:0001136								
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food_quality_date	MIXS:0001178								
food_source	MIXS:0001139								
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gender of restroom	MIXS:0000808								
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geographic location (country	MIXS:0000010								
geographic location (depth)	MIXS:0000018								
geographic location (latitude	MIXS:0000009								
GISAID_accession	MIXS:0001265								
GISAID_accession	MIXS:0001265								
GISAID_virus_name	MIXS:0001264								
GISAID_virus_name	MIXS:0001264								
glucosidase activity	MIXS:0000137								
gravity	MIXS:0000875								
gravity	MIXS:0000559								
growth facility	MIXS:0001043								
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growth hormone regimen	MIXS:0000560								
growth medium	MIXS:0001108								
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gynecological disorder	MIXS:0000288								
HACCP_term	MIXS:0001215								
hallway/corridor count	MIXS:0000228								
handidness	MIXS:0000809								
heating and cooling system t	MIXS:0000766								
heating delivery locations	MIXS:0000810								
heating system delivery meth	MIXS:0000812								
heating system identifier	MIXS:0000833								
height carpet fiber mat	MIXS:0000167								
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history/agrochemical addition	MIXS:0000639								
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horizon method	MIXS:0000321								
host age	MIXS:0000255								
host blood pressure diastolic	MIXS:0000258								

host blood pressure systolic	MIXS:0000259								
host body habitat	MIXS:0000866								
host body product	MIXS:0000888								
host body site	MIXS:0000867								
host body temperature	MIXS:0000274								
host body-mass index	MIXS:0000317								
host color	MIXS:0000260								
host common name	MIXS:0000248								
host diet	MIXS:0000869								
host disease status	MIXS:0000031								
host dry mass	MIXS:0000257								
host family relationship	MIXS:0000872								
host genotype	MIXS:0000365								
host growth conditions	MIXS:0000871								
host height	MIXS:0000264								
host HIV status	MIXS:0000265								
host last meal	MIXS:0000870								
host length	MIXS:0000256								
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host occupation	MIXS:0000896								
host_of_host_name	MIXS:0001324								
host_of_host_env_local	MIXS:0001325								
host_of_host_env_med	MIXS:0001326								
host phenotype	MIXS:0000874								
host prediction approach	MIXS:0000088								
host prediction estimated acc	MIXS:0000089								
host pulse	MIXS:0000333								
host sex	MIXS:0000811								
host shape	MIXS:0000261								
host specificity or range	MIXS:0000030								
host subject id	MIXS:0000861								
host substrate	MIXS:0000252								
host taxid	MIXS:0000250								
host tissue location	MIXS:0001323								
host total mass	MIXS:0000263								
host wet mass	MIXS:0000567								
host_disease_outcome	MIXS:0001271								
host_disease_outcome	MIXS:0001271								
host_disease_stat	MIXS:0000031								
host_health_state	MIXS:0001270								
host_health_state	MIXS:0001270								
host_number_individual	MIXS:0001305								
host_subspecf_genlin	MIXS:0001318								
host_symbiont	MIXS:0001309								
host_variety	MIXS:0001143	#256 - merged into subspecific genet lineage before publication of Ag pacakge							
HRT	MIXS:0000969								
humidity	MIXS:0000100								
humidity regimen	MIXS:0000568								
hydrocarbon resource geoloc	MIXS:0000993								
hydrocarbon resource origine	MIXS:0000395								
hydrocarbon resource origine	MIXS:0000393								
hydrocarbon resource type	MIXS:0000988								
hydrocarbon type produced	MIXS:0000989								
hygienic_area	MIXS:0001253								
hysterectomy	MIXS:0000287								
IFSAC_category	MIXS:0001179								
IHMC ethnicity	MIXS:0000895								
IHMC medication code	MIXS:0000884								
indoor space	MIXS:0000763								
indoor surface	MIXS:0000764								
industrial effluent percent	MIXS:0000662								
infection_duration	MIXS:0001299								
injection water breakthrough	MIXS:0001010								
injection water fraction	MIXS:0000455								
inorganic particles	MIXS:0000664								

inside lux light	MIXS:0000168								
intended_consumer	MIXS:0001144								
interior wall condition	MIXS:0000813								
intracellular_location	MIXS:0001314	#180 - removed before publication of symbiont package							
investigation type	MIXS:0000007	no ticket, but I recall discussion that its deprecated as its a default thing in INSDC and not relevant to other organisations							
isolation and growth condition	MIXS:0000003								
isolation_source	MIXS:0001269								
isolation_source	MIXS:0001269								
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last time swept/mopped/vacuumed	MIXS:0000814								
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light regimen	MIXS:0000569								
light type	MIXS:0000769								
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lithology	MIXS:0000990								
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lot_number	MIXS:0001147								
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major diet change in last six months	MIXS:0000266								
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mean annual precipitation	MIXS:0000644								
mean annual temperature	MIXS:0000642								
mean friction velocity	MIXS:0000498								
mean peak friction velocity	MIXS:0000502								
mean seasonal precipitation	MIXS:0000645								
mean seasonal temperature	MIXS:0000643								
mechanical damage	MIXS:0001052								
mechanical structure	MIXS:0000815								
medical history performed	MIXS:0000897								
menarche	MIXS:0000965								
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microbial biomass method	MIXS:0000339								
mineral nutrient regimen	MIXS:0000570								
miscellaneous parameter	MIXS:0000752								
mode_of_transmission	MIXS:0001312								
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n-alkanes	MIXS:0000503								
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num_samp_collect	MIXS:0001224								
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number of houseplants	MIXS:0000230								
number of pets	MIXS:0000231								
number of replicons	MIXS:0000022								
number of residents	MIXS:0000232								
number of standard tRNAs e	MIXS:0000067								
observed biotic relationship	MIXS:0000028								
observed host symbionts	MIXS:0001298								
occupancy at sampling	MIXS:0000772								
occupancy documentation	MIXS:0000816								
occupant density at sampling	MIXS:0000217								
oil water contact depth	MIXS:0000405								
organic carbon	MIXS:0000508								
organic matter	MIXS:0000204								
organic nitrogen	MIXS:0000205								
organic particles	MIXS:0000665								
organism count	MIXS:0000103								
organism count qPCR inform	MIXS:0000099								
organism name	MIXS:0001263								
organism name	MIXS:0001263								
orientations of exterior wall	MIXS:0000817								
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particulate organic carbon	MIXS:0000515								
particulate organic nitrogen	MIXS:0000719								
passage_method	MIXS:0001273								
passage_method	MIXS:0001273								
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phospholipid fatty acid	MIXS:0000181								
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photosynt_activ	MIXS:0001296								
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plant structure	MIXS:0001060								
plant_part_maturity	MIXS:0001120								
plant_reprod_crop	MIXS:0001150								
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prior_antivir_treat	MIXS:0001284								
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prior_SARS-CoV-2_infection	MIXS:0001278								
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prior_SARS-CoV-2_vaccination	MIXS:0001281								
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relevant electronic resources	MIXS:0000091								
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repository_name	MIXS:0001152								
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respirable particulate matter	MIXS:0000108								
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salinity	MIXS:0000183								
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samp_collect_method	MIXS:0001225								
samp_loc_condition	MIXS:0001257								
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samp_source_mat_cat	MIXS:0001154								
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sample collection point	MIXS:0001015								
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sample name	MIXS:0001107								
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sample size sorting method	MIXS:0000216								
sample storage device	MIXS:0001228								
sample storage duration	MIXS:0000116								
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sample storage media	MIXS:0001229								
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sample type	MIXS:0000998								
sample volume or weight for	MIXS:0000111								
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sampling floor	MIXS:0000828								
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sediment type	MIXS:0001078								
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sequencing_purpose	MIXS:0001267								
sequencing_purpose	MIXS:0001267								
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shading device location	MIXS:0000832								
shading device material	MIXS:0000245								
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shading device type	MIXS:0000835								
silicate	MIXS:0000184								
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soil_taxonomic/local classific	MIXS:0000330								
soil_taxonomic/local classific	MIXS:0000331								
soil_temp	MIXS:0001163								
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soil_texture_meth	MIXS:0001165								
soil_type_name	MIXS:0001166	#214 - removed before publication of food packages							
solar irradiance	MIXS:0000112								
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sorting technology	MIXS:0000075								
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source rock depositional envi	MIXS:0000996								
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space typical state	MIXS:0000770								
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specific host	MIXS:0000029								
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spikein_metal	MIXS:0001172								
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spikein organism count	MIXS:0001335								
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ster_meth_samp_room	MIXS:0001259								
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study completion status	MIXS:0000898								
study_design	MIXS:0001236								
study_inc_dur	MIXS:0001237								
study_inc_temp	MIXS:0001238								
study_timecourse	MIXS:0001239								
study_tmnt	MIXS:0001240								
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sulfate in formation water	MIXS:0000407								
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surface humidity	MIXS:0000123								
surface material	MIXS:0000758								
surface moisture	MIXS:0000128								
surface moisture pH	MIXS:0000760								
surface temperature	MIXS:0000125								
surface-air contaminant	MIXS:0000759								
suspended particulate matter	MIXS:0000741								
suspended solids	MIXS:0000150								
host_location	MIXS:0001313								
symb_host_family_rel	MIXS:0001328								
symb_host_infra_name	MIXS:0001329								
symb_host_infra_rank	MIXS:0001330								
symb_host_genotype	MIXS:0001331								
symb_host_phenotype	MIXS:0001332								
symb_host_gravidity	MIXS:0001333								
symb_host_tot_mass	MIXS:0001334								
symb_host_id	MIXS:0001327								
symbiont_host_role	MIXS:0001303								
symbiont_host_type	MIXS:0001302								
symb_host_taxid	MIXS:0001306								
symbiotic_rel	MIXS:0001315								
target gene	MIXS:0000044								
target subfragment	MIXS:0000045								
taxid	MIXS:0001320								
taxonomic classification	MIXS:0000064								
taxonomic identity marker	MIXS:0000053								
temperature	MIXS:0000113								
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time since last toothbrushing	MIXS:0000924								
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tissue culture growth media	MIXS:0001070								
toluene	MIXS:0000154								
total acid number	MIXS:0000120								
total carbon	MIXS:0000525								
total depth of water column	MIXS:0000634								
total dissolved nitrogen	MIXS:0000744								
total inorganic nitrogen	MIXS:0000745								
total iron	MIXS:0000105								
total nitrogen concentration	MIXS:0000102								
total nitrogen content	MIXS:0000530								
total nitrogen content method	MIXS:0000338								
total organic carbon	MIXS:0000533								
total organic carbon method	MIXS:0000337								
total particulate carbon	MIXS:0000747								
total phosphate	MIXS:0000689								
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train line	MIXS:0000837								
train station collection location	MIXS:0000838								
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travel outside the country in last 12 months	MIXS:0000268								
tRNA extraction software	MIXS:0000068								
trophic level	MIXS:0000032								
turbidity	MIXS:0000191								
twin sibling presence	MIXS:0000326								
type_of_symbiosis	MIXS:0001307								
typical occupant density	MIXS:0000771								
urine/collection method	MIXS:0000899								
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vaccine_received	MIXS:0001282								
ventilation rate	MIXS:0000114								
ventilation type	MIXS:0000756								
vfa in formation water	MIXS:0000408								
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virus enrichment approach	MIXS:0000036								
virus_isolate_of_prior_infecti	MIXS:0001280								
virus_isolate_of_prior_infecti	MIXS:0001280								
viscosity	MIXS:0000126								
visual media	MIXS:0000840								
volatile fatty acids	MIXS:0000152								
volatile organic compounds	MIXS:0000115								
vOTU classification approach	MIXS:0000085								
vOTU database	MIXS:0000087								
vOTU sequence comparison	MIXS:0000086								
wall area	MIXS:0000198								
wall construction type	MIXS:0000841								
wall finish material	MIXS:0000842								
wall height	MIXS:0000221								
wall location	MIXS:0000843								
wall signs of water/mold	MIXS:0000844								
wall surface treatment	MIXS:0000845								
wall texture	MIXS:0000846								
wall thermal mass	MIXS:0000222								
wastewater type	MIXS:0000353								
water content	MIXS:0000185								
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water cut	MIXS:0000454								
water feature size	MIXS:0000223								
water feature type	MIXS:0000847								
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water_frequency	MIXS:0001174								
water_pH	MIXS:0001175								
water_source_adjac	MIXS:0001122								
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well identification number	MIXS:0000297								
WGA amplification approach	MIXS:0000055								
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wind speed	MIXS:0000118								
window area/size	MIXS:0000224								
window condition	MIXS:0000849								
window covering	MIXS:0000850								
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window open frequency	MIXS:0000246								
window signs of water/mold	MIXS:0000854								
window status	MIXS:0000855								
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window vertical position	MIXS:0000857								
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growth medium	MIXS:0001108
samp_type	MIXS:0001109
farm_water_source	MIXS:0001110
plant_water_method	MIXS:0001111
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animal_feed equip	MIXS:0001113
animal_intrusion	MIXS:0001114
anim_water_method	MIXS:0001115
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cult_result	MIXS:0001117
cult_result_org	MIXS:0001118
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farm_equip_shared	MIXS:0001123
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farm_equip_san_freq	MIXS:0001125
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fertilizer_admin	MIXS:0001127
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	core/package	Structured comment name	[Mandatory Core - All project, Mandatory - Specific Checklists]	MIXS ID (legacy)	MIGS ID (mapping to GOLD)
remove		submitted_to_insd	submitted to insdc	MIXS:0000004	MIGS-1
remove		investigation_type	investigation type	MIXS:0000007	MIGS-2
??		project_name	project name	MIXS:0000092	MIGS-3
??		experimental_factor	experimental factor	MIXS:0000008	
latitude and longitude		lat_lon	geographic location (latitude and longitude)	MIXS:0000009	MIGS-4.1 Latitude. MIGS-4.2 Longitude
depth		depth	geographic location (depth)	MIXS:0000018	MIGS-4.3
		alt	altitude	MIXS:0000094	MIGS-4.4
		elev	elevation	MIXS:0000093	
geographic location country		geo_loc_name	geographic location (country and/or sea,reg	MIXS:0000010	MIGS-4
		collection_date	collection date	MIXS:0000011	MIGS-5
biome		env_broad_scale	broad-scale environmental context	MIXS:0000012	
habitat		env_local_scale	local environmental context	MIXS:0000013	MIGS-6 (habitat)
material		env_medium	environmental medium	MIXS:0000014	
remove		env_package	environmental package	MIXS:0000019	
		subspecf_gen_lin	subspecific genetic lineage	MIXS:0000020	
		ploidy	ploidy	MIXS:0000021	
		num_replicons	number of replicons	MIXS:0000022	
		extrachrom_elements	extrachromosomal elements	MIXS:0000023	
		estimated_size	estimated size	MIXS:0000024	
		ref_biomaterial	reference for biomaterial	MIXS:0000025	
		source_mat_id	source material identifiers	MIXS:0000026	MIGS-13
		pathogenicity	known pathogenicity	MIXS:0000027	MIGS-14
		biotic_relationship	observed biotic relationship	MIXS:0000028	MIGS-15
		specific_host	specific host	MIXS:0000029	MIGS-16
		host_spec_range	host specificity or range	MIXS:0000030	
		health_disease_stat	health or disease status of specific host at time	MIXS:0000031	
		trophic_level	trophic level	MIXS:0000032	
		propagation	propagation	MIXS:0000033	
		encoded_traits	encoded traits	MIXS:0000034	
		rel_to_oxygen	relationship to oxygen	MIXS:0000015	MIGS-22
		isol_growth_condt	isolation and growth condition	MIXS:0000003	MIGS-23
		samp_collect_device	sample collection device or method	MIXS:0000002	
		samp_mat_process	sample material processing	MIXS:0000016	
		size_frac	size fraction selected	MIXS:0000017	
		samp_size	amount or size of sample collected	MIXS:0000001	
UViG		source_uvig	source of UViGs	MIXS:0000035	
UViG		virus_enrich_appr	virus enrichment approach	MIXS:0000036	
		nucl_acid_ext	nucleic acid extraction	MIXS:0000037	
		nucl_acid_amp	nucleic acid amplification	MIXS:0000038	MIGS-27
		lib_size	library size	MIXS:0000039	MIGS-28
		lib_reads_seqd	library reads sequenced	MIXS:0000040	
		lib_layout	library layout	MIXS:0000041	
		lib_vector	library vector	MIXS:0000042	
		lib_screen	library screening strategy	MIXS:0000043	
		target_gene	target gene	MIXS:0000044	
		target_subfragment	target subfragment	MIXS:0000045	
		pcr_primers	pcr primers	MIXS:0000046	
		mid	multiplex identifiers	MIXS:0000047	
		adapters	adapters	MIXS:0000048	
		pcr_cond	pcr conditions	MIXS:0000049	
		seq_meth	sequencing method	MIXS:0000050	MIGS-29
		seq_quality_check	sequence quality check	MIXS:0000051	
		chimera_check	chimera check	MIXS:0000052	
		tax_ident	taxonomic identity marker	MIXS:0000053	
		assembly_qual	assembly quality	MIXS:0000056	
		assembly_name	assembly name	MIXS:0000057	MIGS-30
		assembly_software	assembly software	MIXS:0000058	
		annot	annotation	MIXS:0000059	
		number_contig	number of contigs	MIXS:0000060	
		feat_pred	feature prediction	MIXS:0000061	
		ref_db	reference database(s)	MIXS:0000062	
		sim_search_meth	similarity search method	MIXS:0000063	
		tax_class	taxonomic classification	MIXS:0000064	
		16s_recover	16S recovered	MIXS:0000065	
		16s_recover_software	16S recovery software	MIXS:0000066	
		trnas	number of standard tRNAs extracted	MIXS:0000067	
		trna_ext_software	tRNA extraction software	MIXS:0000068	
		compl_score	completeness score	MIXS:0000069	
		compl_software	completeness software	MIXS:0000070	
		compl_appr	completeness approach	MIXS:0000071	
		contam_score	contamination score	MIXS:0000072	
		contam_screen_input	contamination screening input	MIXS:0000005	

		contam_screen_param	contamination screening parameters	MIXS:0000073	
		decontam_software	decontamination software	MIXS:0000074	
		sort_tech	sorting technology	MIXS:0000075	
		single_cell_lysis_appr	single cell or viral particle lysis approach	MIXS:0000076	
		single_cell_lysis_prot	single cell or viral particle lysis kit protocol	MIXS:0000054	
		wga_amp_appr	WGA amplification approach	MIXS:0000055	
		wga_amp_kit	WGA amplification kit	MIXS:0000006	
		bin_param	binning parameters	MIXS:0000077	
		bin_software	binning software	MIXS:0000078	
		reassembly_bin	reassembly post binning	MIXS:0000079	
MAG		mag_cov_software	MAG coverage software	MIXS:0000080	
		vir_ident_software	viral identification software	MIXS:0000081	
		pred_genome_type	predicted genome type	MIXS:0000082	
		pred_genome_struc	predicted genome structure	MIXS:0000083	
		detec_type	detection type	MIXS:0000084	
UViG		votu_class_appr	vOTU classification approach	MIXS:0000085	
UViG		votu_seq_comp_appr	vOTU sequence comparison approach	MIXS:0000086	
UViG		votu_db	vOTU database	MIXS:0000087	
		host_pred_appr	host prediction approach	MIXS:0000088	
		host_pred_est_acc	host prediction estimated accuracy	MIXS:0000089	
		url	relevant electronic resources	MIXS:0000091	
		sop	relevant standard operating procedures	MIXS:0000090	
	air	alt	altitude	MIXS:0000094	
	air	elev	elevation	MIXS:0000093	
	air	barometric_press	barometric pressure	MIXS:0000096	
	air	carb_dioxide	carbon dioxide	MIXS:0000097	
	air	carb_monoxide	carbon monoxide	MIXS:0000098	
	air	chem_administration	chemical administration	MIXS:0000751	
	air	humidity	humidity	MIXS:0000100	
	air	methane	methane	MIXS:0000101	
	air	misc_param	miscellaneous parameter	MIXS:0000752	
	air	organism_count	organism count	MIXS:0000103	
	air	oxygen	oxygen	MIXS:0000104	
	air	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	air	perturbation	perturbation	MIXS:0000754	
	air	pollutants	pollutants	MIXS:0000107	
	air	resp_part_matter	respirable particulate matter	MIXS:0000108	
	air	samp_salinity	sample salinity	MIXS:0000109	
	air	samp_store_dur	sample storage duration	MIXS:0000116	
	air	samp_store_loc	sample storage location	MIXS:0000755	
	air	samp_store_temp	sample storage temperature	MIXS:0000110	
	air	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	air	solar_irradiance	solar irradiance	MIXS:0000112	
	air	temp	temperature	MIXS:0000113	
	air	ventilation_rate	ventilation rate	MIXS:0000114	
	air	ventilation_type	ventilation type	MIXS:0000756	
	air	volatile_org_comp	volatile organic compounds	MIXS:0000115	
	air	wind_direction	wind direction	MIXS:0000757	
	air	wind_speed	wind speed	MIXS:0000118	
	built environment	surf_material	surface material	MIXS:0000758	
	built environment	surf_air_cont	surface-air contaminant	MIXS:0000759	
	built environment	rel_air_humidity	relative air humidity	MIXS:0000121	
	built environment	abs_air_humidity	absolute air humidity	MIXS:0000122	
	built environment	surf_humidity	surface humidity	MIXS:0000123	
	built environment	air_temp	air temperature	MIXS:0000124	
	built environment	surf_temp	surface temperature	MIXS:0000125	
	built environment	surf_moisture_ph	surface moisture pH	MIXS:0000760	
	built environment	build_occup_type	building occupancy type	MIXS:0000761	
	built environment	surf_moisture	surface moisture	MIXS:0000128	
	built environment	dew_point	dew point	MIXS:0000129	
	built environment	carb_dioxide	carbon dioxide	MIXS:0000097	
	built environment	ventilation_type	ventilation type	MIXS:0000756	
	built environment	organism_count	organism count	MIXS:0000103	
	built environment	indoor_space	indoor space	MIXS:0000763	
	built environment	indoor_surf	indoor surface	MIXS:0000764	
	built environment	filter_type	filter type	MIXS:0000765	
	built environment	heat_cool_type	heating and cooling system type	MIXS:0000766	
	built environment	substructure_type	substructure type	MIXS:0000767	
	built environment	building_setting	building setting	MIXS:0000768	
	built environment	light_type	light type	MIXS:0000769	
	built environment	samp_sort_meth	sample size sorting method	MIXS:0000216	
	built environment	space_typ_state	space typical state	MIXS:0000770	
	built environment	typ_occup_density	typical occupant density	MIXS:0000771	
	built environment	occup_samp	occupancy at sampling	MIXS:0000772	

	built environment	occup_density_samp	occupant density at sampling	MIXS:0000217	
	built environment	address	address	MIXS:0000218	
	built environment	adj_room	adjacent rooms	MIXS:0000219	
	built environment	aero_struc	aerospace structure	MIXS:0000773	
	built environment	amount_light	amount of light	MIXS:0000140	
	built environment	arch_struc	architectural structure	MIXS:0000774	
	built environment	avg_occup	average daily occupancy	MIXS:0000775	
	built environment	avg_dew_point	average dew point	MIXS:0000141	
	built environment	avg_temp	average temperature	MIXS:0000142	
	built environment	bathroom_count	bathroom count	MIXS:0000776	
	built environment	bedroom_count	bedroom count	MIXS:0000777	
	built environment	built_struc_age	built structure age	MIXS:0000145	
	built environment	built_struc_set	built structure setting	MIXS:0000778	
	built environment	built_struc_type	built structure type	MIXS:0000721	
	built environment	ceil_area	ceiling area	MIXS:0000148	
	built environment	ceil_cond	ceiling condition	MIXS:0000779	
	built environment	ceil_finish_mat	ceiling finish material	MIXS:0000780	
	built environment	ceil_water_mold	ceiling signs of water/mold	MIXS:0000781	
	built environment	ceil_struc	ceiling structure	MIXS:0000782	
	built environment	ceil_texture	ceiling texture	MIXS:0000783	
	built environment	ceil_thermal_mass	ceiling thermal mass	MIXS:0000143	
	built environment	ceil_type	ceiling type	MIXS:0000784	
	built environment	cool_syst_id	cooling system identifier	MIXS:0000785	
	built environment	date_last_rain	date last rain	MIXS:0000786	
	built environment	build_docs	design, construction, and operation documents	MIXS:0000787	
	built environment	door_size	door area or size	MIXS:0000158	
	built environment	door_cond	door condition	MIXS:0000788	
	built environment	door_direct	door direction of opening	MIXS:0000789	
	built environment	door_loc	door location	MIXS:0000790	
	built environment	door_mat	door material	MIXS:0000791	
	built environment	door_move	door movement	MIXS:0000792	
	built environment	door_water_mold	door signs of water/mold	MIXS:0000793	
	built environment	door_type	door type	MIXS:0000794	
	built environment	door_comp_type	door type, composite	MIXS:0000795	
	built environment	door_type_metal	door type, metal	MIXS:0000796	
	built environment	door_type_wood	door type, wood	MIXS:0000797	
	built environment	drawings	drawings	MIXS:0000798	
	built environment	elevator	elevator count	MIXS:0000799	
	built environment	escalator	escalator count	MIXS:0000800	
	built environment	exp_duct	exposed ductwork	MIXS:0000144	
	built environment	exp_pipe	exposed pipes	MIXS:0000220	
	built environment	ext_door	exterior door count	MIXS:0000170	
	built environment	fireplace_type	fireplace type	MIXS:0000802	
	built environment	floor_age	floor age	MIXS:0000164	
	built environment	floor_area	floor area	MIXS:0000165	
	built environment	floor_cond	floor condition	MIXS:0000803	
	built environment	floor_count	floor count	MIXS:0000225	
	built environment	floor_finish_mat	floor finish material	MIXS:0000804	
	built environment	floor_water_mold	floor signs of water/mold	MIXS:0000805	
	built environment	floor_struc	floor structure	MIXS:0000806	
	built environment	floor_thermal_mass	floor thermal mass	MIXS:0000166	
	built environment	freq_clean	frequency of cleaning	MIXS:0000226	
	built environment	freq_cook	frequency of cooking	MIXS:0000227	
	built environment	furniture	furniture	MIXS:0000807	
	built environment	gender_restroom	gender of restroom	MIXS:0000808	
	built environment	hall_count	hallway/corridor count	MIXS:0000228	
	built environment	handidness	handidness	MIXS:0000809	
	built environment	heat_deliv_loc	heating delivery locations	MIXS:0000810	
	built environment	heat_system_deliv_meth	heating system delivery method	MIXS:0000812	
	built environment	heat_system_id	heating system identifier	MIXS:0000833	
	built environment	height_carpet_fiber	height carpet fiber mat	MIXS:0000167	
	built environment	inside_lux	inside lux light	MIXS:0000168	
	built environment	int_wall_cond	interior wall condition	MIXS:0000813	
	built environment	last_clean	last time swept/mopped/vacuumed	MIXS:0000814	
	built environment	max_occup	maximum occupancy	MIXS:0000229	
	built environment	mech_struc	mechanical structure	MIXS:0000815	
	built environment	number_plants	number of houseplants	MIXS:0000230	
	built environment	number_pets	number of pets	MIXS:0000231	
	built environment	number_resident	number of residents	MIXS:0000232	
	built environment	occup_document	occupancy documentation	MIXS:0000816	
	built environment	ext_wall_orient	orientations of exterior wall	MIXS:0000817	
	built environment	ext_window_orient	orientations of exterior window	MIXS:0000818	
	built environment	rel_humidity_out	outside relative humidity	MIXS:0000188	
	built environment	pres_animal	presence of pets, animals, or insects	MIXS:0000819	

	built environment	quad_pos	quadrant position	MIXS:0000820	
	built environment	rel_samp_loc	relative sampling location	MIXS:0000821	
	built environment	room_air_exch_rate	room air exchange rate	MIXS:0000169	
	built environment	room_architec_element	room architectural elements	MIXS:0000233	
	built environment	room_condt	room condition	MIXS:0000822	
	built environment	room_count	room count	MIXS:0000234	
	built environment	room_dim	room dimensions	MIXS:0000192	
	built environment	room_door_dist	room door distance	MIXS:0000193	
	built environment	room_loc	room location in building	MIXS:0000823	
	built environment	room_moist_damage_hist	room moisture damage or mold history	MIXS:0000235	
	built environment	room_net_area	room net area	MIXS:0000194	
	built environment	room_occup	room occupancy	MIXS:0000236	
	built environment	room_samp_pos	room sampling position	MIXS:0000824	
	built environment	room_type	room type	MIXS:0000825	
	built environment	room_vol	room volume	MIXS:0000195	
	built environment	room_window_count	room window count	MIXS:0000237	
	built environment	room_connected	rooms connected by a doorway	MIXS:0000826	
	built environment	room_hallway	rooms that are on the same hallway	MIXS:0000238	
	built environment	room_door_share	rooms that share a door with sampling room	MIXS:0000242	
	built environment	room_wall_share	rooms that share a wall with sampling room	MIXS:0000243	
	built environment	samp_weather	sampling day weather	MIXS:0000827	
	built environment	samp_floor	sampling floor	MIXS:0000828	
	built environment	samp_room_id	sampling room ID or name	MIXS:0000244	
	built environment	samp_time_out	sampling time outside	MIXS:0000196	
	built environment	season	season	MIXS:0000829	
	built environment	season_use	seasonal use	MIXS:0000830	
	built environment	shading_device_cond	shading device condition	MIXS:0000831	
	built environment	shading_device_loc	shading device location	MIXS:0000832	
	built environment	shading_device_mat	shading device material	MIXS:0000245	
	built environment	shading_device_water_m	shading device signs of water/mold	MIXS:0000834	
	built environment	shading_device_type	shading device type	MIXS:0000835	
	built environment	specific_humidity	specific humidity	MIXS:0000214	
	built environment	specific	specifications	MIXS:0000836	
	built environment	temp_out	temperature outside house	MIXS:0000197	
	built environment	train_line	train line	MIXS:0000837	
	built environment	train_stat_loc	train station collection location	MIXS:0000838	
	built environment	train_stop_loc	train stop collection location	MIXS:0000839	
	built environment	vis_media	visual media	MIXS:0000840	
	built environment	wall_area	wall area	MIXS:0000198	
	built environment	wall_const_type	wall construction type	MIXS:0000841	
	built environment	wall_finish_mat	wall finish material	MIXS:0000842	
	built environment	wall_height	wall height	MIXS:0000221	
	built environment	wall_loc	wall location	MIXS:0000843	
	built environment	wall_water_mold	wall signs of water/mold	MIXS:0000844	
	built environment	wall_surf_treatment	wall surface treatment	MIXS:0000845	
	built environment	wall_texture	wall texture	MIXS:0000846	
	built environment	wall_thermal_mass	wall thermal mass	MIXS:0000222	
	built environment	water_feat_size	water feature size	MIXS:0000223	
	built environment	water_feat_type	water feature type	MIXS:0000847	
	built environment	weekday	weekday	MIXS:0000848	
	built environment	window_size	window area/size	MIXS:0000224	
	built environment	window_cond	window condition	MIXS:0000849	
	built environment	window_cover	window covering	MIXS:0000850	
	built environment	window_horiz_pos	window horizontal position	MIXS:0000851	
	built environment	window_loc	window location	MIXS:0000852	
	built environment	window_mat	window material	MIXS:0000853	
	built environment	window_open_freq	window open frequency	MIXS:0000246	
	built environment	window_water_mold	window signs of water/mold	MIXS:0000854	
	built environment	window_status	window status	MIXS:0000855	
	built environment	window_type	window type	MIXS:0000856	
	built environment	window_vert_pos	window vertical position	MIXS:0000857	
	host-associated	alt	altitude	MIXS:0000094	
	host-associated	depth	depth	MIXS:0000018	
	host-associated	elev	elevation	MIXS:0000093	
	host-associated	ances_data	ancestral data	MIXS:0000247	
	host-associated	biol_stat	biological status	MIXS:0000858	
	host-associated	genetic_mod	genetic modification	MIXS:0000859	
	host-associated	host_common_name	host common name	MIXS:0000248	
	host-associated	samp_capt_status	sample capture status	MIXS:0000860	
	host-associated	samp_dis_stage	sample disease stage	MIXS:0000249	
	host-associated	host_taxid	host taxid	MIXS:0000250	
	host-associated	host_subject_id	host subject id	MIXS:0000861	
	host-associated	host_age	host age	MIXS:0000255	
	host-associated	host_life_stage	host life stage	MIXS:0000251	

	host-associated	host_sex	host sex	MIXS:0000811	
	host-associated	host_disease_stat	host disease status	MIXS:0000031	
	host-associated	chem_administration	chemical administration	MIXS:0000751	
	host-associated	host_body_habitat	host body habitat	MIXS:0000866	
	host-associated	host_body_site	host body site	MIXS:0000867	
	host-associated	host_body_product	host body product	MIXS:0000888	
	host-associated	host_tot_mass	host total mass	MIXS:0000263	
	host-associated	host_height	host height	MIXS:0000264	
	host-associated	host_length	host length	MIXS:0000256	
	host-associated	host_diet	host diet	MIXS:0000869	
	host-associated	host_last_meal	host last meal	MIXS:0000870	
	host-associated	host_growth_cond	host growth conditions	MIXS:0000871	
	host-associated	host_substrate	host substrate	MIXS:0000252	
	host-associated	host_family_relationship	host family relationship	MIXS:0000872	
	host-associated	host_infra_specific_name	host infra-specific name	MIXS:0000253	
	host-associated	host_infra_specific_rank	host infra-specific rank	MIXS:0000254	
	host-associated	host_genotype	host genotype	MIXS:0000365	
	host-associated	host_phenotype	host phenotype	MIXS:0000874	
	host-associated	host_body_temp	host body temperature	MIXS:0000274	
	host-associated	host_dry_mass	host dry mass	MIXS:0000257	
	host-associated	host_blood_press_diast	host blood pressure diastolic	MIXS:0000258	
	host-associated	host_blood_press_syst	host blood pressure systolic	MIXS:0000259	
	host-associated	host_color	host color	MIXS:0000260	
	host-associated	host_shape	host shape	MIXS:0000261	
	host-associated	gravity	gravity	MIXS:0000875	
	host-associated	perturbation	perturbation	MIXS:0000754	
	host-associated	samp_salinity	sample salinity	MIXS:0000109	
	host-associated	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	host-associated	temp	temperature	MIXS:0000113	
	host-associated	organism_count	organism count	MIXS:0000103	
	host-associated	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	host-associated	samp_store_temp	sample storage temperature	MIXS:0000110	
	host-associated	samp_store_dur	sample storage duration	MIXS:0000116	
	host-associated	samp_store_loc	sample storage location	MIXS:0000755	
	host-associated	misc_param	miscellaneous parameter	MIXS:0000752	
	human-associated	host_subject_id	host subject id	MIXS:0000861	
	human-associated	host_age	host age	MIXS:0000255	
	human-associated	host_sex	host sex	MIXS:0000811	
	human-associated	host_disease_stat	host disease status	MIXS:0000031	
	human-associated	ihmc_medication_code	IHMC medication code	MIXS:0000884	
	human-associated	chem_administration	chemical administration	MIXS:0000751	
	human-associated	host_body_site	host body site	MIXS:0000867	
	human-associated	host_body_product	host body product	MIXS:0000888	
	human-associated	host_tot_mass	host total mass	MIXS:0000263	
	human-associated	host_Height	host height	MIXS:0000264	
	human-associated	host_diet	host diet	MIXS:0000869	
	human-associated	host_last_meal	host last meal	MIXS:0000870	
	human-associated	host_family_relationship	host family relationship	MIXS:0000872	
	human-associated	host_genotype	host genotype	MIXS:0000365	
	human-associated	host_phenotype	host phenotype	MIXS:0000874	
	human-associated	host_body_temp	host body temperature	MIXS:0000274	
	human-associated	smoker	smoker	MIXS:0000262	
	human-associated	host_hiv_stat	host HIV status	MIXS:0000265	
	human-associated	drug_usage	drug usage	MIXS:0000894	
	human-associated	host_body_mass_index	host body-mass index	MIXS:0000317	
	human-associated	diet_last_six_month	major diet change in last six months	MIXS:0000266	
	human-associated	weight_loss_3_month	weight loss in last three months	MIXS:0000295	
	human-associated	ihmc_ethnicity	IHMC ethnicity	MIXS:0000895	
	human-associated	host_occupation	host occupation	MIXS:0000896	
	human-associated	pet_farm_animal	presence of pets or farm animals	MIXS:0000267	
	human-associated	travel_out_six_month	travel outside the country in last six months	MIXS:0000268	
	human-associated	twin_sibling	twin sibling presence	MIXS:0000326	
	human-associated	medic_hist_perform	medical history performed	MIXS:0000897	
	human-associated	study_complt_stat	study completion status	MIXS:0000898	
	human-associated	pulmonary_disord	lung/pulmonary disorder	MIXS:0000269	
	human-associated	nose_throat_disord	lung/nose-throat disorder	MIXS:0000270	
	human-associated	blood_blood_disord	blood/blood disorder	MIXS:0000271	
	human-associated	host_pulse	host pulse	MIXS:0000333	
	human-associated	gestation_state	amniotic fluid/gestation state	MIXS:0000272	
	human-associated	maternal_health_stat	amniotic fluid/maternal health status	MIXS:0000273	
	human-associated	foetal_health_stat	amniotic fluid/foetal health status	MIXS:0000275	
	human-associated	amniotic_fluid_color	amniotic fluid/color	MIXS:0000276	
	human-associated	kidney_disord	urine/kidney disorder	MIXS:0000277	
	human-associated	urogenit_tract_disor	urine/urogenital tract disorder	MIXS:0000278	

	human-associated	urine_collect_meth	urine/collection method	MIXS:0000899	
	human-associated	perturbation	perturbation	MIXS:0000754	
	human-associated	samp_salinity	sample salinity	MIXS:0000109	
	human-associated	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	human-associated	temp	temperature	MIXS:0000113	
	human-associated	organism_count	organism count	MIXS:0000103	
	human-associated	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	human-associated	samp_store_temp	sample storage temperature	MIXS:0000110	
	human-associated	samp_store_dur	sample storage duration	MIXS:0000116	
	human-associated	samp_store_loc	sample storage location	MIXS:0000755	
	human-associated	misc_param	miscellaneous parameter	MIXS:0000752	
	human-gut	gastrointest_disord	gastrointestinal tract disorder	MIXS:0000280	
	human-gut	liver_disord	liver disorder	MIXS:0000282	
	human-gut	special_diet	special diet	MIXS:0000905	
	human-gut	host_subject_id	host subject id	MIXS:0000861	
	human-gut	host_age	host age	MIXS:0000255	
	human-gut	host_sex	host sex	MIXS:0000811	
	human-gut	host_disease_stat	host disease status	MIXS:0000031	
	human-gut	ihmc_medication_code	IHMC medication code	MIXS:0000884	
	human-gut	chem_administration	chemical administration	MIXS:0000751	
	human-gut	host_body_site	host body site	MIXS:0000867	
	human-gut	host_body_product	host body product	MIXS:0000888	
	human-gut	host_tot_mass	host total mass	MIXS:0000263	
	human-gut	host_height	host height	MIXS:0000264	
	human-gut	host_diet	host diet	MIXS:0000869	
	human-gut	host_last_meal	host last meal	MIXS:0000870	
	human-gut	host_family_relationship	host family relationship	MIXS:0000872	
	human-gut	host_genotype	host genotype	MIXS:0000365	
	human-gut	host_phenotype	host phenotype	MIXS:0000874	
	human-gut	host_body_temp	host body temperature	MIXS:0000274	
	human-gut	host_body_mass_index	host body-mass index	MIXS:0000317	
	human-gut	ihmc_ethnicity	IHMC ethnicity	MIXS:0000895	
	human-gut	host_occupation	host occupation	MIXS:0000896	
	human-gut	medic_hist_perform	medical history performed	MIXS:0000897	
	human-gut	host_pulse	host pulse	MIXS:0000333	
	human-gut	perturbation	perturbation	MIXS:0000754	
	human-gut	samp_salinity	sample salinity	MIXS:0000109	
	human-gut	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	human-gut	temp	temperature	MIXS:0000113	
	human-gut	organism_count	organism count	MIXS:0000103	
	human-gut	samp_store_temp	sample storage temperature	MIXS:0000110	
	human-gut	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	human-gut	samp_store_dur	sample storage duration	MIXS:0000116	
	human-gut	samp_store_loc	sample storage location	MIXS:0000755	
	human-gut	misc_param	miscellaneous parameter	MIXS:0000752	
	human-oral	nose_mouth_teeth_throat	nose/mouth/teeth/throat disorder	MIXS:0000283	
	human-oral	time_last_toothbrush	time since last toothbrushing	MIXS:0000924	
	human-oral	host_subject_id	host subject id	MIXS:0000861	
	human-oral	host_age	host age	MIXS:0000255	
	human-oral	host_sex	host sex	MIXS:0000811	
	human-oral	host_disease_stat	host disease status	MIXS:0000031	
	human-oral	ihmc_medication_code	IHMC medication code	MIXS:0000884	
	human-oral	chem_administration	chemical administration	MIXS:0000751	
	human-oral	host_body_site	host body site	MIXS:0000867	
	human-oral	host_body_product	host body product	MIXS:0000888	
	human-oral	host_tot_mass	host total mass	MIXS:0000263	
	human-oral	host_height	host height	MIXS:0000264	
	human-oral	host_diet	host diet	MIXS:0000869	
	human-oral	host_last_meal	host last meal	MIXS:0000870	
	human-oral	host_family_relationship	host family relationship	MIXS:0000872	
	human-oral	host_genotype	host genotype	MIXS:0000365	
	human-oral	host_phenotype	host phenotype	MIXS:0000874	
	human-oral	host_body_temp	host body temperature	MIXS:0000274	
	human-oral	host_body_mass_index	host body-mass index	MIXS:0000317	
	human-oral	ihmc_ethnicity	IHMC ethnicity	MIXS:0000895	
	human-oral	host_occupation	host occupation	MIXS:0000896	
	human-oral	medic_hist_perform	medical history performed	MIXS:0000897	
	human-oral	host_pulse	host pulse	MIXS:0000333	
	human-oral	perturbation	perturbation	MIXS:0000754	
	human-oral	samp_salinity	sample salinity	MIXS:0000109	
	human-oral	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	human-oral	temp	temperature	MIXS:0000113	
	human-oral	organism_count	organism count	MIXS:0000103	
	human-oral	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	

	human-oral	samp_store_temp	sample storage temperature	MIXS:0000110	
	human-oral	samp_store_dur	sample storage duration	MIXS:0000116	
	human-oral	samp_store_loc	sample storage location	MIXS:0000755	
	human-oral	misc_param	miscellaneous parameter	MIXS:0000752	
	human-skin	dermatology_disord	dermatology disorder	MIXS:0000284	
	human-skin	time_since_last_wash	time since last wash	MIXS:0000943	
	human-skin	dominant_hand	dominant hand	MIXS:0000944	
	human-skin	host_subject_id	host subject id	MIXS:0000861	
	human-skin	host_age	host age	MIXS:0000255	
	human-skin	host_sex	host sex	MIXS:0000811	
	human-skin	host_disease_stat	host disease status	MIXS:0000031	
	human-skin	ihmc_medication_code	IHMC medication code	MIXS:0000884	
	human-skin	chem_administration	chemical administration	MIXS:0000751	
	human-skin	host_body_site	host body site	MIXS:0000867	
	human-skin	host_body_product	host body product	MIXS:0000888	
	human-skin	host_tot_mass	host total mass	MIXS:0000263	
	human-skin	host_height	host height	MIXS:0000264	
	human-skin	host_diet	host diet	MIXS:0000869	
	human-skin	host_last_meal	host last meal	MIXS:0000870	
	human-skin	host_family_relationship	host family relationship	MIXS:0000872	
	human-skin	host_genotype	host genotype	MIXS:0000365	
	human-skin	host_phenotype	host phenotype	MIXS:0000874	
	human-skin	host_body_temp	host body temperature	MIXS:0000274	
	human-skin	host_body_mass_index	host body-mass index	MIXS:0000317	
	human-skin	ihmc_ethnicity	IHMC ethnicity	MIXS:0000895	
	human-skin	host_occupation	host occupation	MIXS:0000896	
	human-skin	medic_hist_perform	medical history performed	MIXS:0000897	
	human-skin	host_pulse	host pulse	MIXS:0000333	
	human-skin	perturbation	perturbation	MIXS:0000754	
	human-skin	samp_salinity	sample salinity	MIXS:0000109	
	human-skin	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	human-skin	temp	temperature	MIXS:0000113	
	human-skin	organism_count	organism count	MIXS:0000103	
	human-skin	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	human-skin	samp_store_temp	sample storage temperature	MIXS:0000110	
	human-skin	samp_store_dur	sample storage duration	MIXS:0000116	
	human-skin	samp_store_loc	sample storage location	MIXS:0000755	
	human-skin	misc_param	miscellaneous parameter	MIXS:0000752	
	human-vaginal	menarche	menarche	MIXS:0000965	
	human-vaginal	sexual_act	sexual activity	MIXS:0000285	
	human-vaginal	pregnancy	pregnancy	MIXS:0000966	
	human-vaginal	douche	douche	MIXS:0000967	
	human-vaginal	birth_control	birth control	MIXS:0000286	
	human-vaginal	menopause	menopause	MIXS:0000968	
	human-vaginal	hrt	HRT	MIXS:0000969	
	human-vaginal	hysterectomy	hysterectomy	MIXS:0000287	
	human-vaginal	gynecologic_disord	gynecological disorder	MIXS:0000288	
	human-vaginal	urogenit_disord	urogenital disorder	MIXS:0000289	
	human-vaginal	host_subject_id	host subject id	MIXS:0000861	
	human-vaginal	host_age	host age	MIXS:0000255	
	human-vaginal	host_sex	host sex	MIXS:0000811	
	human-vaginal	host_disease_stat	host disease status	MIXS:0000031	
	human-vaginal	ihmc_medication_code	IHMC medication code	MIXS:0000884	
	human-vaginal	chem_administration	chemical administration	MIXS:0000751	
	human-vaginal	host_body_site	host body site	MIXS:0000867	
	human-vaginal	host_body_product	host body product	MIXS:0000888	
	human-vaginal	host_tot_mass	host total mass	MIXS:0000263	
	human-vaginal	host_height	host height	MIXS:0000264	
	human-vaginal	host_diet	host diet	MIXS:0000869	
	human-vaginal	host_last_meal	host last meal	MIXS:0000870	
	human-vaginal	host_family_relationship	host family relationship	MIXS:0000872	
	human-vaginal	host_genotype	host genotype	MIXS:0000365	
	human-vaginal	host_phenotype	host phenotype	MIXS:0000874	
	human-vaginal	host_body_temp	host body temperature	MIXS:0000274	
	human-vaginal	host_body_mass_index	host body-mass index	MIXS:0000317	
	human-vaginal	ihmc_ethnicity	IHMC ethnicity	MIXS:0000895	
	human-vaginal	host_occupation	host occupation	MIXS:0000896	
	human-vaginal	medic_hist_perform	medical history performed	MIXS:0000897	
	human-vaginal	host_pulse	host pulse	MIXS:0000333	
	human-vaginal	perturbation	perturbation	MIXS:0000754	
	human-vaginal	samp_salinity	sample salinity	MIXS:0000109	
	human-vaginal	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	human-vaginal	temp	temperature	MIXS:0000113	
	human-vaginal	organism_count	organism count	MIXS:0000103	

	human-vaginal	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	human-vaginal	samp_store_temp	sample storage temperature	MIXS:0000110	
	human-vaginal	samp_store_loc	sample storage location	MIXS:0000755	
	human-vaginal	samp_store_dur	sample storage duration	MIXS:0000116	
	human-vaginal	misc_param	miscellaneous parameter	MIXS:0000752	
	hydrocarbon resourc	hcr	hydrocarbon resource type	MIXS:0000988	
	hydrocarbon resourc	hc_produced	hydrocarbon type produced	MIXS:0000989	
	hydrocarbon resourc	basin	basin name	MIXS:0000290	
	hydrocarbon resourc	field	field name	MIXS:0000291	
	hydrocarbon resourc	reservoir	reservoir name	MIXS:0000303	
	hydrocarbon resourc	hcr_temp	hydrocarbon resource original temperature	MIXS:0000393	
	hydrocarbon resourc	tvds_of_hcr_temp	depth (TVDS) of hydrocarbon resource tempe	MIXS:0000394	
	hydrocarbon resourc	hcr_pressure	hydrocarbon resource original pressure	MIXS:0000395	
	hydrocarbon resourc	tvds_of_hcr_pressure	depth (TVDS) of hydrocarbon resource press	MIXS:0000397	
	hydrocarbon resourc	permeability	permeability	MIXS:0000404	
	hydrocarbon resourc	porosity	porosity	MIXS:0000211	
	hydrocarbon resourc	lithology	lithology	MIXS:0000990	
	hydrocarbon resourc	depos_env	depositional environment	MIXS:0000992	
	hydrocarbon resourc	hcr_geol_age	hydrocarbon resource geological age	MIXS:0000993	
	hydrocarbon resourc	owc_tvds	oil water contact depth	MIXS:0000405	
	hydrocarbon resourc	hcr_fw_salinity	formation water salinity	MIXS:0000406	
	hydrocarbon resourc	sulfate_fw	sulfate in formation water	MIXS:0000407	
	hydrocarbon resourc	vfa_fw	vfa in formation water	MIXS:0000408	
	hydrocarbon resourc	sr_kerog_type	source rock kerogen type	MIXS:0000994	
	hydrocarbon resourc	sr_lithology	source rock lithology	MIXS:0000995	
	hydrocarbon resourc	sr_dep_env	source rock depositional environment	MIXS:0000996	
	hydrocarbon resourc	sr_geol_age	source rock geological age	MIXS:0000997	
	hydrocarbon resourc	samp_well_name	sample well name	MIXS:0000296	
	hydrocarbon resourc	win	well identification number	MIXS:0000297	
	hydrocarbon resourc	samp_type	sample type	MIXS:0000998	
	hydrocarbon resourc	samp_subtype	sample subtype	MIXS:0000999	
	hydrocarbon resourc	temp	temperature	MIXS:0000113	
	hydrocarbon resourc	pressure	pressure	MIXS:0000412	
	hydrocarbon resourc	samp_tvds	sample true vertical depth subsea	MIXS:0000409	
	hydrocarbon resourc	samp_md	sample measured depth	MIXS:0000413	
	hydrocarbon resourc	elev	elevation	MIXS:0000093	
	hydrocarbon resourc	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	hydrocarbon resourc	samp_transport_cond	sample transport conditions	MIXS:0000410	
	hydrocarbon resourc	samp_store_temp	sample storage temperature	MIXS:0000110	
	hydrocarbon resourc	samp_store_dur	sample storage duration	MIXS:0000116	
	hydrocarbon resourc	samp_store_loc	sample storage location	MIXS:0000755	
	hydrocarbon resourc	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	hydrocarbon resourc	organism_count	organism count	MIXS:0000103	
	hydrocarbon resourc	organism_count_qpcr_infk	organism count qPCR information	MIXS:0000099	
	hydrocarbon resourc	ph	pH	MIXS:0001001	
	hydrocarbon resourc	samp_salinity	sample salinity	MIXS:0000109	
	hydrocarbon resourc	alkalinity	alkalinity	MIXS:0000421	
	hydrocarbon resourc	alkalinity_method	alkalinity method	MIXS:0000298	
	hydrocarbon resourc	sulfate	sulfate	MIXS:0000423	
	hydrocarbon resourc	sulfide	sulfide	MIXS:0000424	
	hydrocarbon resourc	tot_sulfur	total sulfur	MIXS:0000419	
	hydrocarbon resourc	nitrate	nitrate	MIXS:0000425	
	hydrocarbon resourc	nitrite	nitrite	MIXS:0000426	
	hydrocarbon resourc	ammonium	ammonium	MIXS:0000427	
	hydrocarbon resourc	tot_nitro	total nitrogen concentration	MIXS:0000102	
	hydrocarbon resourc	diss_iron	dissolved iron	MIXS:0000139	
	hydrocarbon resourc	sodium	sodium	MIXS:0000428	
	hydrocarbon resourc	chloride	chloride	MIXS:0000429	
	hydrocarbon resourc	potassium	potassium	MIXS:0000430	
	hydrocarbon resourc	magnesium	magnesium	MIXS:0000431	
	hydrocarbon resourc	calcium	calcium	MIXS:0000432	
	hydrocarbon resourc	tot_iron	total iron	MIXS:0000105	
	hydrocarbon resourc	diss_org_carb	dissolved organic carbon	MIXS:0000433	
	hydrocarbon resourc	diss_inorg_carb	dissolved inorganic carbon	MIXS:0000434	
	hydrocarbon resourc	diss_inorg_phosp	dissolved inorganic phosphorus	MIXS:0000106	
	hydrocarbon resourc	tot_phosp	total phosphorus	MIXS:0000117	
	hydrocarbon resourc	suspend_solids	suspended solids	MIXS:0000150	
	hydrocarbon resourc	density	density	MIXS:0000435	
	hydrocarbon resourc	diss_carb_dioxide	dissolved carbon dioxide	MIXS:0000436	
	hydrocarbon resourc	diss_oxygen_fluid	dissolved oxygen in fluids	MIXS:0000438	
	hydrocarbon resourc	vfa	volatile fatty acids	MIXS:0000152	
	hydrocarbon resourc	benzene	benzene	MIXS:0000153	
	hydrocarbon resourc	toluene	toluene	MIXS:0000154	
	hydrocarbon resourc	ethylbenzene	ethylbenzene	MIXS:0000155	

hydrocarbon resourc	xylene	xylene	MIXS:0000156
hydrocarbon resourc	api	API gravity	MIXS:0000157
hydrocarbon resourc	tan	total acid number	MIXS:0000120
hydrocarbon resourc	viscosity	viscosity	MIXS:0000126
hydrocarbon resourc	pour_point	pour point	MIXS:0000127
hydrocarbon resourc	saturates_pc	saturates wt%	MIXS:0000131
hydrocarbon resourc	aromatics_pc	aromatics wt%	MIXS:0000133
hydrocarbon resourc	resins_pc	resins wt%	MIXS:0000134
hydrocarbon resourc	asphaltenes_pc	asphaltenes wt%	MIXS:0000135
hydrocarbon resourc	misc_param	miscellaneous parameter	MIXS:0000752
hydrocarbon resourc	additional_info	additional info	MIXS:0000300
hydrocarbon resourc	hcr	hydrocarbon resource type	MIXS:0000988
hydrocarbon resourc	hc_produced	hydrocarbon type produced	MIXS:0000989
hydrocarbon resourc	basin	basin name	MIXS:0000290
hydrocarbon resourc	field	field name	MIXS:0000291
hydrocarbon resourc	reservoir	reservoir name	MIXS:0000303
hydrocarbon resourc	hcr_temp	hydrocarbon resource original temperature	MIXS:0000393
hydrocarbon resourc	tvds_of_hcr_temp	depth (TVDS) of hydrocarbon resource tempe	MIXS:0000394
hydrocarbon resourc	hcr_pressure	hydrocarbon resource original pressure	MIXS:0000395
hydrocarbon resourc	tvds_of_hcr_pressure	depth (TVDS) of hydrocarbon resource pressu	MIXS:0000397
hydrocarbon resourc	lithology	lithology	MIXS:0000990
hydrocarbon resourc	depos_env	depositional environment	MIXS:0000992
hydrocarbon resourc	hcr_geol_age	hydrocarbon resource geological age	MIXS:0000993
hydrocarbon resourc	hcr_fw_salinity	formation water salinity	MIXS:0000406
hydrocarbon resourc	sulfate_fw	sulfate in formation water	MIXS:0000407
hydrocarbon resourc	vfa_fw	vfa in formation water	MIXS:0000408
hydrocarbon resourc	prod_start_date	production start date	MIXS:0001008
hydrocarbon resourc	prod_rate	production rate	MIXS:0000452
hydrocarbon resourc	water_production_rate	water production rate	MIXS:0000453
hydrocarbon resourc	water_cut	water cut	MIXS:0000454
hydrocarbon resourc	iwf	injection water fraction	MIXS:0000455
hydrocarbon resourc	add_recov_method	secondary and tertiary recovery methods and si	MIXS:0001009
hydrocarbon resourc	iw_bt_date_well	injection water breakthrough date of specific we	MIXS:0001010
hydrocarbon resourc	biocide	biocide administration	MIXS:0001011
hydrocarbon resourc	biocide_admin_method	biocide administration method	MIXS:0000456
hydrocarbon resourc	chem_treatment	chemical treatment	MIXS:0001012
hydrocarbon resourc	chem_treatment_method	chemical treatment method	MIXS:0000457
hydrocarbon resourc	samp_loc_corr_rate	corrosion rate at sample location	MIXS:0000136
hydrocarbon resourc	samp_well_name	sample well name	MIXS:0000296
hydrocarbon resourc	win	well identification number	MIXS:0000297
hydrocarbon resourc	samp_type	sample type	MIXS:0000998
hydrocarbon resourc	samp_subtype	sample subtype	MIXS:0000999
hydrocarbon resourc	samp_collection_point	sample collection point	MIXS:0001015
hydrocarbon resourc	temp	temperature	MIXS:0000113
hydrocarbon resourc	pressure	pressure	MIXS:0000412
hydrocarbon resourc	oxy_stat_samp	oxygenation status of sample	MIXS:0000753
hydrocarbon resourc	samp_preserv	preservative added to sample	MIXS:0000463
hydrocarbon resourc	samp_transport_cond	sample transport conditions	MIXS:0000410
hydrocarbon resourc	samp_store_temp	sample storage temperature	MIXS:0000110
hydrocarbon resourc	samp_store_dur	sample storage duration	MIXS:0000116
hydrocarbon resourc	samp_store_loc	sample storage location	MIXS:0000755
hydrocarbon resourc	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111
hydrocarbon resourc	organism_count	organism count	MIXS:0000103
hydrocarbon resourc	organism_count_qpcr_inf	organism count qPCR information	MIXS:0000099
hydrocarbon resourc	ph	pH	MIXS:0001001
hydrocarbon resourc	samp_salinity	sample salinity	MIXS:0000109
hydrocarbon resourc	alkalinity	alkalinity	MIXS:0000421
hydrocarbon resourc	alkalinity_method	alkalinity method	MIXS:0000298
hydrocarbon resourc	sulfate	sulfate	MIXS:0000423
hydrocarbon resourc	sulfide	sulfide	MIXS:0000424
hydrocarbon resourc	tot_sulfur	total sulfur	MIXS:0000419
hydrocarbon resourc	nitrate	nitrate	MIXS:0000425
hydrocarbon resourc	nitrite	nitrite	MIXS:0000426
hydrocarbon resourc	ammonium	ammonium	MIXS:0000427
hydrocarbon resourc	tot_nitro	total nitrogen concentration	MIXS:0000102
hydrocarbon resourc	diss_iron	dissolved iron	MIXS:0000139
hydrocarbon resourc	sodium	sodium	MIXS:0000428
hydrocarbon resourc	chloride	chloride	MIXS:0000429
hydrocarbon resourc	potassium	potassium	MIXS:0000430
hydrocarbon resourc	magnesium	magnesium	MIXS:0000431
hydrocarbon resourc	calcium	calcium	MIXS:0000432
hydrocarbon resourc	tot_iron	total iron	MIXS:0000105
hydrocarbon resourc	diss_org_carb	dissolved organic carbon	MIXS:0000433
hydrocarbon resourc	diss_inorg_carb	dissolved inorganic carbon	MIXS:0000434

hydrocarbon resourc	diss_inorg_phosp	dissolved inorganic phosphorus	MIXS:0000106
hydrocarbon resourc	tot_phosp	total phosphorus	MIXS:0000117
hydrocarbon resourc	suspend_solids	suspended solids	MIXS:0000150
hydrocarbon resourc	density	density	MIXS:0000435
hydrocarbon resourc	diss_carb_dioxide	dissolved carbon dioxide	MIXS:0000436
hydrocarbon resourc	diss_oxygen_fluid	dissolved oxygen in fluids	MIXS:0000438
hydrocarbon resourc	vfa	volatile fatty acids	MIXS:0000152
hydrocarbon resourc	benzene	benzene	MIXS:0000153
hydrocarbon resourc	toluene	toluene	MIXS:0000154
hydrocarbon resourc	ethylbenzene	ethylbenzene	MIXS:0000155
hydrocarbon resourc	xylene	xylene	MIXS:0000156
hydrocarbon resourc	api	API gravity	MIXS:0000157
hydrocarbon resourc	tan	total acid number	MIXS:0000120
hydrocarbon resourc	viscosity	viscosity	MIXS:0000126
hydrocarbon resourc	pour_point	pour point	MIXS:0000127
hydrocarbon resourc	saturates_pc	saturates wt%	MIXS:0000131
hydrocarbon resourc	aromatics_pc	aromatics wt%	MIXS:0000133
hydrocarbon resourc	resins_pc	resins wt%	MIXS:0000134
hydrocarbon resourc	asphaltenes_pc	asphaltenes wt%	MIXS:0000135
hydrocarbon resourc	misc_param	miscellaneous parameter	MIXS:0000752
hydrocarbon resourc	additional_info	additional info	MIXS:0000300
microbial mat/biofilm	depth	depth	MIXS:0000018
microbial mat/biofilm	elev	elevation	MIXS:0000093
microbial mat/biofilm	alkalinity	alkalinity	MIXS:0000421
microbial mat/biofilm	alkyl_diethers	alkyl diethers	MIXS:0000490
microbial mat/biofilm	aminopept_act	aminopeptidase activity	MIXS:0000172
microbial mat/biofilm	ammonium	ammonium	MIXS:0000427
microbial mat/biofilm	bacteria_carb_prod	bacterial carbon production	MIXS:0000173
microbial mat/biofilm	biomass	biomass	MIXS:0000174
microbial mat/biofilm	bishomohopanol	bishomohopanol	MIXS:0000175
microbial mat/biofilm	bromide	bromide	MIXS:0000176
microbial mat/biofilm	calcium	calcium	MIXS:0000432
microbial mat/biofilm	carb_nitro_ratio	carbon/nitrogen ratio	MIXS:0000310
microbial mat/biofilm	chem_administration	chemical administration	MIXS:0000751
microbial mat/biofilm	chloride	chloride	MIXS:0000429
microbial mat/biofilm	chlorophyll	chlorophyll	MIXS:0000177
microbial mat/biofilm	diether_lipids	diether lipids	MIXS:0000178
microbial mat/biofilm	diss_carb_dioxide	dissolved carbon dioxide	MIXS:0000436
microbial mat/biofilm	diss_hydrogen	dissolved hydrogen	MIXS:0000179
microbial mat/biofilm	diss_inorg_carb	dissolved inorganic carbon	MIXS:0000434
microbial mat/biofilm	diss_org_carb	dissolved organic carbon	MIXS:0000433
microbial mat/biofilm	diss_org_nitro	dissolved organic nitrogen	MIXS:0000162
microbial mat/biofilm	diss_oxygen	dissolved oxygen	MIXS:0000119
microbial mat/biofilm	glucosidase_act	glucosidase activity	MIXS:0000137
microbial mat/biofilm	magnesium	magnesium	MIXS:0000431
microbial mat/biofilm	mean_fric_vel	mean friction velocity	MIXS:0000498
microbial mat/biofilm	mean_peak_fric_vel	mean peak friction velocity	MIXS:0000502
microbial mat/biofilm	methane	methane	MIXS:0000101
microbial mat/biofilm	misc_param	miscellaneous parameter	MIXS:0000752
microbial mat/biofilm	n_alkanes	n-alkanes	MIXS:0000503
microbial mat/biofilm	nitrate	nitrate	MIXS:0000425
microbial mat/biofilm	nitrite	nitrite	MIXS:0000426
microbial mat/biofilm	nitro	nitrogen	MIXS:0000504
microbial mat/biofilm	org_carb	organic carbon	MIXS:0000508
microbial mat/biofilm	org_matter	organic matter	MIXS:0000204
microbial mat/biofilm	org_nitro	organic nitrogen	MIXS:0000205
microbial mat/biofilm	organism_count	organism count	MIXS:0000103
microbial mat/biofilm	oxy_sta_samp	oxygenation status of sample	MIXS:0000753
microbial mat/biofilm	ph	pH	MIXS:0001001
microbial mat/biofilm	part_org_carb	particulate organic carbon	MIXS:0000515
microbial mat/biofilm	perturbation	perturbation	MIXS:0000754
microbial mat/biofilm	petroleum_hydrocarb	petroleum hydrocarbon	MIXS:0000516
microbial mat/biofilm	phaeopigments	phaeopigments	MIXS:0000180
microbial mat/biofilm	phosphate	phosphate	MIXS:0000505
microbial mat/biofilm	phospholipid_fatt_acid	phospholipid fatty acid	MIXS:0000181
microbial mat/biofilm	potassium	potassium	MIXS:0000430
microbial mat/biofilm	pressure	pressure	MIXS:0000412
microbial mat/biofilm	redox_potential	redox potential	MIXS:0000182
microbial mat/biofilm	salinity	salinity	MIXS:0000183
microbial mat/biofilm	samp_store_dur	sample storage duration	MIXS:0000116
microbial mat/biofilm	samp_store_loc	sample storage location	MIXS:0000755
microbial mat/biofilm	samp_store_temp	sample storage temperature	MIXS:0000110
microbial mat/biofilm	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111
microbial mat/biofilm	silicate	silicate	MIXS:0000184

	microbial mat/biofilm	sodium	sodium	MIXS:0000428	
	microbial mat/biofilm	sulfate	sulfate	MIXS:0000423	
	microbial mat/biofilm	sulfide	sulfide	MIXS:0000424	
	microbial mat/biofilm	temp	temperature	MIXS:0000113	
	microbial mat/biofilm	tot_carb	total carbon	MIXS:0000525	
	microbial mat/biofilm	tot_nitro_content	total nitrogen content	MIXS:0000530	
	microbial mat/biofilm	tot_org_carb	total organic carbon	MIXS:0000533	
	microbial mat/biofilm	turbidity	turbidity	MIXS:0000191	
	microbial mat/biofilm	water_content	water content	MIXS:0000185	
	miscellaneous natur	alt	altitude	MIXS:0000094	
	miscellaneous natur	depth	depth	MIXS:0000018	
	miscellaneous natur	elev	elevation	MIXS:0000093	
	miscellaneous natur	alkalinity	alkalinity	MIXS:0000421	
	miscellaneous natur	ammonium	ammonium	MIXS:0000427	
	miscellaneous natur	biomass	biomass	MIXS:0000174	
	miscellaneous natur	bromide	bromide	MIXS:0000176	
	miscellaneous natur	calcium	calcium	MIXS:0000432	
	miscellaneous natur	chem_administration	chemical administration	MIXS:0000751	
	miscellaneous natur	chloride	chloride	MIXS:0000429	
	miscellaneous natur	chlorophyll	chlorophyll	MIXS:0000177	
	miscellaneous natur	density	density	MIXS:0000435	
	miscellaneous natur	diether_lipids	diether lipids	MIXS:0000178	
	miscellaneous natur	diss_carb_dioxide	dissolved carbon dioxide	MIXS:0000436	
	miscellaneous natur	diss_hydrogen	dissolved hydrogen	MIXS:0000179	
	miscellaneous natur	diss_inorg_carb	dissolved inorganic carbon	MIXS:0000434	
	miscellaneous natur	diss_org_nitro	dissolved organic nitrogen	MIXS:0000162	
	miscellaneous natur	diss_oxygen	dissolved oxygen	MIXS:0000119	
	miscellaneous natur	misc_param	miscellaneous parameter	MIXS:0000752	
	miscellaneous natur	nitrate	nitrate	MIXS:0000425	
	miscellaneous natur	nitrite	nitrite	MIXS:0000426	
	miscellaneous natur	nitro	nitrogen	MIXS:0000504	
	miscellaneous natur	org_carb	organic carbon	MIXS:0000508	
	miscellaneous natur	org_matter	organic matter	MIXS:0000204	
	miscellaneous natur	org_nitro	organic nitrogen	MIXS:0000205	
	miscellaneous natur	organism_count	organism count	MIXS:0000103	
	miscellaneous natur	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	miscellaneous natur	ph	pH	MIXS:0001001	
	miscellaneous natur	perturbation	perturbation	MIXS:0000754	
	miscellaneous natur	phosphate	phosphate	MIXS:0000505	
	miscellaneous natur	phospholipid_fatt_acid	phospholipid fatty acid	MIXS:0000181	
	miscellaneous natur	potassium	potassium	MIXS:0000430	
	miscellaneous natur	pressure	pressure	MIXS:0000412	
	miscellaneous natur	salinity	salinity	MIXS:0000183	
	miscellaneous natur	samp_store_dur	sample storage duration	MIXS:0000116	
	miscellaneous natur	samp_store_loc	sample storage location	MIXS:0000755	
	miscellaneous natur	samp_store_temp	sample storage temperature	MIXS:0000110	
	miscellaneous natur	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	miscellaneous natur	silicate	silicate	MIXS:0000184	
	miscellaneous natur	sodium	sodium	MIXS:0000428	
	miscellaneous natur	sulfate	sulfate	MIXS:0000423	
	miscellaneous natur	sulfide	sulfide	MIXS:0000424	
	miscellaneous natur	temp	temperature	MIXS:0000113	
	miscellaneous natur	water_current	water current	MIXS:0000203	
	plant-associated	depth	depth	MIXS:0000018	
	plant-associated	elev	elevation	MIXS:0000093	
	plant-associated	air_temp_regm	air temperature regimen	MIXS:0000551	
	plant-associated	ances_data	ancestral data	MIXS:0000247	
	plant-associated	antibiotic_regm	antibiotic regimen	MIXS:0000553	
	plant-associated	biol_stat	biological status	MIXS:0000858	
	plant-associated	biotic_regm	biotic regimen	MIXS:0001038	
	plant-associated	chem_administration	chemical administration	MIXS:0000751	
	plant-associated	chem_mutagen	chemical mutagen	MIXS:0000555	
	plant-associated	climate_environment	climate environment	MIXS:0001040	
	plant-associated	cult_root_med	culture rooting medium	MIXS:0001041	
	plant-associated	fertilizer_regm	fertilizer regimen	MIXS:0000556	
	plant-associated	fungicide_regm	fungicide regimen	MIXS:0000557	
	plant-associated	gaseous_environment	gaseous environment	MIXS:0000558	
	plant-associated	genetic_mod	genetic modification	MIXS:0000859	
	plant-associated	gravity	gravity	MIXS:0000559	
	plant-associated	growth_facil	growth facility	MIXS:0001043	
	plant-associated	growth_habit	growth habit	MIXS:0001044	
	plant-associated	growth_hormone_regm	growth hormone regimen	MIXS:0000560	
	plant-associated	herbicide_regm	herbicide regimen	MIXS:0000561	
	plant-associated	host_age	host age	MIXS:0000255	

	plant-associated	host_common_name	host common name	MIXS:0000248	
	plant-associated	host_disease_stat	host disease status	MIXS:0000031	
	plant-associated	host_dry_mass	host dry mass	MIXS:0000257	
	plant-associated	host_genotype	host genotype	MIXS:0000365	
	plant-associated	host_height	host height	MIXS:0000264	
	plant-associated	host_infra_specific_name	host infra-specific name	MIXS:0000253	
	plant-associated	host_infra_specific_rank	host infra-specific rank	MIXS:0000254	
	plant-associated	host_length	host length	MIXS:0000256	
	plant-associated	host_life_stage	host life stage	MIXS:0000251	
	plant-associated	host_phenotype	host phenotype	MIXS:0000874	
	plant-associated	host_taxid	host taxid	MIXS:0000250	
	plant-associated	host_tot_mass	host total mass	MIXS:0000263	
	plant-associated	host_wet_mass	host wet mass	MIXS:0000567	
	plant-associated	humidity_regm	humidity regimen	MIXS:0000568	
	plant-associated	light_regm	light regimen	MIXS:0000569	
	plant-associated	mechanical_damage	mechanical damage	MIXS:0001052	
	plant-associated	mineral_nutr_regm	mineral nutrient regimen	MIXS:0000570	
	plant-associated	misc_param	miscellaneous parameter	MIXS:0000752	
	plant-associated	non_mineral_nutr_regm	non-mineral nutrient regimen	MIXS:0000571	
	plant-associated	organism_count	organism count	MIXS:0000103	
	plant-associated	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
	plant-associated	ph_regm	pH regimen	MIXS:0001056	
	plant-associated	perturbation	perturbation	MIXS:0000754	
	plant-associated	pesticide_regm	pesticide regimen	MIXS:0000573	
	plant-associated	plant_growth_med	plant growth medium	MIXS:0001057	
	plant-associated	plant_product	plant product	MIXS:0001058	
	plant-associated	plant_sex	plant sex	MIXS:0001059	
	plant-associated	plant_struc	plant structure	MIXS:0001060	
	plant-associated	radiation_regm	radiation regimen	MIXS:0000575	
	plant-associated	rainfall_regm	rainfall regimen	MIXS:0000576	
	plant-associated	root_cond	rooting conditions	MIXS:0001061	
	plant-associated	root_med_carbon	rooting medium carbon	MIXS:0000577	
	plant-associated	root_med_macronutr	rooting medium macronutrients	MIXS:0000578	
	plant-associated	root_med_micronutr	rooting medium micronutrients	MIXS:0000579	
	plant-associated	root_med_suppl	rooting medium organic supplements	MIXS:0000580	
	plant-associated	root_med_ph	rooting medium pH	MIXS:0001062	
	plant-associated	root_med_regl	rooting medium regulators	MIXS:0000581	
	plant-associated	root_med_solid	rooting medium solidifier	MIXS:0001063	
	plant-associated	salt_regm	salt regimen	MIXS:0000582	
	plant-associated	samp_capt_status	sample capture status	MIXS:0000860	
	plant-associated	samp_dis_stage	sample disease stage	MIXS:0000249	
	plant-associated	samp_salinity	sample salinity	MIXS:0000109	
	plant-associated	samp_store_dur	sample storage duration	MIXS:0000116	
	plant-associated	samp_store_loc	sample storage location	MIXS:0000755	
	plant-associated	samp_store_temp	sample storage temperature	MIXS:0000110	
	plant-associated	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
	plant-associated	season_environment	seasonal environment	MIXS:0001068	
	plant-associated	standing_water_regm	standing water regimen	MIXS:0001069	
	plant-associated	temp	temperature	MIXS:0000113	
	plant-associated	tiss_cult_growth_med	tissue culture growth media	MIXS:0001070	
	plant-associated	water_temp_regm	water temperature regimen	MIXS:0000590	
	plant-associated	watering_regm	watering regimen	MIXS:0000591	
	sediment	depth	depth	MIXS:0000018	
	sediment	elev	elevation	MIXS:0000093	
	sediment	alkalinity	alkalinity	MIXS:0000421	
	sediment	alkyl_diethers	alkyl diethers	MIXS:0000490	
	sediment	aminopept_act	aminopeptidase activity	MIXS:0000172	
	sediment	ammonium	ammonium	MIXS:0000427	
	sediment	bacteria_carb_prod	bacterial carbon production	MIXS:0000173	
	sediment	biomass	biomass	MIXS:0000174	
	sediment	bishomohopanol	bishomohopanol	MIXS:0000175	
	sediment	bromide	bromide	MIXS:0000176	
	sediment	calcium	calcium	MIXS:0000432	
	sediment	carb_nitro_ratio	carbon/nitrogen ratio	MIXS:0000310	
	sediment	chem_administration	chemical administration	MIXS:0000751	
	sediment	chloride	chloride	MIXS:0000429	
	sediment	chlorophyll	chlorophyll	MIXS:0000177	
	sediment	density	density	MIXS:0000435	
	sediment	diether_lipids	diether lipids	MIXS:0000178	
	sediment	diss_carb_dioxide	dissolved carbon dioxide	MIXS:0000436	
	sediment	diss_hydrogen	dissolved hydrogen	MIXS:0000179	
	sediment	diss_inorg_carb	dissolved inorganic carbon	MIXS:0000434	
	sediment	diss_org_carb	dissolved organic carbon	MIXS:0000433	
	sediment	diss_org_nitro	dissolved organic nitrogen	MIXS:0000162	

sediment	diss_oxygen	dissolved oxygen	MIXS:0000119
sediment	glucosidase_act	glucosidase activity	MIXS:0000137
sediment	magnesium	magnesium	MIXS:0000431
sediment	mean_frict_vel	mean friction velocity	MIXS:0000498
sediment	mean_peak_frict_vel	mean peak friction velocity	MIXS:0000502
sediment	methane	methane	MIXS:0000101
sediment	misc_param	miscellaneous parameter	MIXS:0000752
sediment	n_alkanes	n-alkanes	MIXS:0000503
sediment	nitrate	nitrate	MIXS:0000425
sediment	nitrite	nitrite	MIXS:0000426
sediment	nitro	nitrogen	MIXS:0000504
sediment	org_carb	organic carbon	MIXS:0000508
sediment	org_matter	organic matter	MIXS:0000204
sediment	org_nitro	organic nitrogen	MIXS:0000205
sediment	organism_count	organism count	MIXS:0000103
sediment	oxy_stat_samp	oxygenation status of sample	MIXS:0000753
sediment	ph	pH	MIXS:0001001
sediment	particle_class	particle classification	MIXS:0000206
sediment	part_org_carb	particulate organic carbon	MIXS:0000515
sediment	perturbation	perturbation	MIXS:0000754
sediment	petroleum_hydrocarb	petroleum hydrocarbon	MIXS:0000516
sediment	phaeopigments	phaeopigments	MIXS:0000180
sediment	phosphate	phosphate	MIXS:0000505
sediment	phospholipid_fatt_acid	phospholipid fatty acid	MIXS:0000181
sediment	porosity	porosity	MIXS:0000211
sediment	potassium	potassium	MIXS:0000430
sediment	pressure	pressure	MIXS:0000412
sediment	redox_potential	redox potential	MIXS:0000182
sediment	salinity	salinity	MIXS:0000183
sediment	samp_store_dur	sample storage duration	MIXS:0000116
sediment	samp_store_loc	sample storage location	MIXS:0000755
sediment	samp_store_temp	sample storage temperature	MIXS:0000110
sediment	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111
sediment	sediment_type	sediment type	MIXS:0001078
sediment	silicate	silicate	MIXS:0000184
sediment	sodium	sodium	MIXS:0000428
sediment	sulfate	sulfate	MIXS:0000423
sediment	sulfide	sulfide	MIXS:0000424
sediment	temp	temperature	MIXS:0000113
sediment	tidal_stage	tidal stage	MIXS:0000750
sediment	tot_carb	total carbon	MIXS:0000525
sediment	tot_depth_water_col	total depth of water column	MIXS:0000634
sediment	tot_nitro_content	total nitrogen content	MIXS:0000530
sediment	tot_org_carb	total organic carbon	MIXS:0000533
sediment	turbidity	turbidity	MIXS:0000191
sediment	water_content	water content	MIXS:0000185
soil	depth	depth	MIXS:0000018
soil	elev	elevation	MIXS:0000093
soil	cur_land_use	current land use	MIXS:0001080
soil	cur_vegetation	current vegetation	MIXS:0000312
soil	cur_vegetation_meth	current vegetation method	MIXS:0000314
soil	previous_land_use	history/previous land use	MIXS:0000315
soil	previous_land_use_meth	history/previous land use method	MIXS:0000316
soil	crop_rotation	history/crop rotation	MIXS:0000318
soil	agrochem_addition	history/agrochemical additions	MIXS:0000639
soil	tillage	history/tillage	MIXS:0001081
soil	fire	history/fire	MIXS:0001086
soil	flooding	history/flooding	MIXS:0000319
soil	extreme_event	history/extreme events	MIXS:0000320
soil	horizon	horizon	MIXS:0001082
soil	horizon_meth	horizon method	MIXS:0000321
soil	sieving	composite design/sieving (if any)	MIXS:0000322
soil	water_content	water content	MIXS:0000185
soil	water_content_soil_meth	water content method	MIXS:0000323
soil	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111
soil	pool_dna_extracts	pooling of DNA extracts (if done)	MIXS:0000325
soil	store_cond	storage conditions (fresh/frozen/other)	MIXS:0000327
soil	link_climate_info	link to climate information	MIXS:0000328
soil	annual_temp	mean annual temperature	MIXS:0000642
soil	season_temp	mean seasonal temperature	MIXS:0000643
soil	annual_precpt	mean annual precipitation	MIXS:0000644
soil	season_precpt	mean seasonal precipitation	MIXS:0000645
soil	link_class_info	link to classification information	MIXS:0000329
soil	fao_class	soil_taxonomic/FAO classification	MIXS:0001083

soil	local_class	soil_taxonomic/local classification	MIXS:0000330
soil	local_class_meth	soil_taxonomic/local classification method	MIXS:0000331
soil	soil_type	soil type	MIXS:0000332
soil	soil_type_meth	soil type method	MIXS:0000334
soil	slope_gradient	slope gradient	MIXS:0000646
soil	slope_aspect	slope aspect	MIXS:0000647
soil	profile_position	profile position	MIXS:0001084
soil	drainage_class	drainage classification	MIXS:0001085
soil	texture	texture	MIXS:0000335
soil	texture_meth	texture method	MIXS:0000336
soil	ph	pH	MIXS:0001001
soil	ph_meth	pH method	MIXS:0001106
soil	tot_org_carb	total organic carbon	MIXS:0000533
soil	tot_org_c_meth	total organic carbon method	MIXS:0000337
soil	tot_nitro_content	total nitrogen content	MIXS:0000530
soil	tot_nitro_content_meth	total nitrogen content method	MIXS:0000338
soil	microbial_biomass	microbial biomass	MIXS:0000650
soil	microbial_biomass_meth	microbial biomass method	MIXS:0000339
soil	link_addit_analys	links to additional analysis	MIXS:0000340
soil	extreme_salinity	extreme_unusual_properties/salinity	MIXS:0000651
soil	salinity_meth	extreme_unusual_properties/salinity method	MIXS:0000341
soil	heavy_metals	extreme_unusual_properties/heavy metals	MIXS:0000652
soil	heavy_metals_meth	extreme_unusual_properties/heavy metals method	MIXS:0000343
soil	al_sat	extreme_unusual_properties/Al saturation	MIXS:0000607
soil	al_sat_meth	extreme_unusual_properties/Al saturation method	MIXS:0000324
soil	misc_param	miscellaneous parameter	MIXS:0000752
wastewater/sludge	depth	depth	MIXS:0000018
wastewater/sludge	alkalinity	alkalinity	MIXS:0000421
wastewater/sludge	biochem_oxygen_dem	biochemical oxygen demand	MIXS:0000653
wastewater/sludge	chem_administration	chemical administration	MIXS:0000751
wastewater/sludge	chem_oxygen_dem	chemical oxygen demand	MIXS:0000656
wastewater/sludge	efficiency_percent	efficiency percent	MIXS:0000657
wastewater/sludge	emulsions	emulsions	MIXS:0000660
wastewater/sludge	gaseous_substances	gaseous substances	MIXS:0000661
wastewater/sludge	indust_eff_percent	industrial effluent percent	MIXS:0000662
wastewater/sludge	inorg_particles	inorganic particles	MIXS:0000664
wastewater/sludge	misc_param	miscellaneous parameter	MIXS:0000752
wastewater/sludge	nitrate	nitrate	MIXS:0000425
wastewater/sludge	org_particles	organic particles	MIXS:0000665
wastewater/sludge	organism_count	organism count	MIXS:0000103
wastewater/sludge	oxy_stat_samp	oxygenation status of sample	MIXS:0000753
wastewater/sludge	ph	pH	MIXS:0001001
wastewater/sludge	perturbation	perturbation	MIXS:0000754
wastewater/sludge	phosphate	phosphate	MIXS:0000505
wastewater/sludge	pre_treatment	pre-treatment	MIXS:0000348
wastewater/sludge	primary_treatment	primary treatment	MIXS:0000349
wastewater/sludge	reactor_type	reactor type	MIXS:0000350
wastewater/sludge	samp_salinity	sample salinity	MIXS:0000109
wastewater/sludge	samp_store_dur	sample storage duration	MIXS:0000116
wastewater/sludge	samp_store_loc	sample storage location	MIXS:0000755
wastewater/sludge	samp_store_temp	sample storage temperature	MIXS:0000110
wastewater/sludge	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111
wastewater/sludge	secondary_treatment	secondary treatment	MIXS:0000351
wastewater/sludge	sewage_type	sewage type	MIXS:0000215
wastewater/sludge	sludge_retent_time	sludge retention time	MIXS:0000669
wastewater/sludge	sodium	sodium	MIXS:0000428
wastewater/sludge	soluble_inorg_mat	soluble inorganic material	MIXS:0000672
wastewater/sludge	soluble_org_mat	soluble organic material	MIXS:0000673
wastewater/sludge	suspend_solids	suspended solids	MIXS:0000150
wastewater/sludge	temp	temperature	MIXS:0000113
wastewater/sludge	tertiary_treatment	tertiary treatment	MIXS:0000352
wastewater/sludge	tot_nitro	total nitrogen concentration	MIXS:0000102
wastewater/sludge	tot_phosphate	total phosphate	MIXS:0000689
wastewater/sludge	wastewater_type	wastewater type	MIXS:0000353
water	depth	depth	MIXS:0000018
water	elev	elevation	MIXS:0000093
water	alkalinity	alkalinity	MIXS:0000421
water	alkalinity_method	alkalinity method	MIXS:0000298
water	alkyl_diethers	alkyl diethers	MIXS:0000490
water	aminopept_act	aminopeptidase activity	MIXS:0000172
water	ammonium	ammonium	MIXS:0000427
water	atmospheric_data	atmospheric data	MIXS:0001097
water	bacteria_carb_prod	bacterial carbon production	MIXS:0000173
water	bac_prod	bacterial production	MIXS:0000683

water	bac_resp	bacterial respiration	MIXS:0000684	
water	biomass	biomass	MIXS:0000174	
water	bishomohopanol	bishomohopanol	MIXS:0000175	
water	bromide	bromide	MIXS:0000176	
water	calcium	calcium	MIXS:0000432	
water	carb_nitro_ratio	carbon/nitrogen ratio	MIXS:0000310	
water	chem_administration	chemical administration	MIXS:0000751	
water	chloride	chloride	MIXS:0000429	
water	chlorophyll	chlorophyll	MIXS:0000177	
water	conduc	conductivity	MIXS:0000692	
water	density	density	MIXS:0000435	
water	diether_lipids	diether lipids	MIXS:0000178	
water	diss_carb_dioxide	dissolved carbon dioxide	MIXS:0000436	
water	diss_hydrogen	dissolved hydrogen	MIXS:0000179	
water	diss_inorg_carb	dissolved inorganic carbon	MIXS:0000434	
water	diss_inorg_nitro	dissolved inorganic nitrogen	MIXS:0000698	
water	diss_inorg_phosp	dissolved inorganic phosphorus	MIXS:0000106	
water	diss_org_carb	dissolved organic carbon	MIXS:0000433	
water	diss_org_nitro	dissolved organic nitrogen	MIXS:0000162	
water	diss_oxygen	dissolved oxygen	MIXS:0000119	
water	down_par	downward PAR	MIXS:0000703	
water	fluor	fluorescence	MIXS:0000704	
water	glucosidase_act	glucosidase activity	MIXS:0000137	
water	light_intensity	light intensity	MIXS:0000706	
water	magnesium	magnesium	MIXS:0000431	
water	mean_frict_vel	mean friction velocity	MIXS:0000498	
water	mean_peak_frict_vel	mean peak friction velocity	MIXS:0000502	
water	misc_param	miscellaneous parameter	MIXS:0000752	
water	n_alkanes	n-alkanes	MIXS:0000503	
water	nitrate	nitrate	MIXS:0000425	
water	nitrite	nitrite	MIXS:0000426	
water	nitro	nitrogen	MIXS:0000504	
water	org_carb	organic carbon	MIXS:0000508	
water	org_matter	organic matter	MIXS:0000204	
water	org_nitro	organic nitrogen	MIXS:0000205	
water	organism_count	organism count	MIXS:0000103	
water	oxy_stat_samp	oxygenation status of sample	MIXS:0000753	
water	ph	pH	MIXS:0001001	
water	part_org_carb	particulate organic carbon	MIXS:0000515	
water	part_org_nitro	particulate organic nitrogen	MIXS:0000719	
water	perturbation	perturbation	MIXS:0000754	
water	petroleum_hydrocarb	petroleum hydrocarbon	MIXS:0000516	
water	phaeopigments	phaeopigments	MIXS:0000180	
water	phosphate	phosphate	MIXS:0000505	
water	phospholipid_fatt_acid	phospholipid fatty acid	MIXS:0000181	
water	photon_flux	photon flux	MIXS:0000725	
water	potassium	potassium	MIXS:0000430	
water	pressure	pressure	MIXS:0000412	
water	primary_prod	primary production	MIXS:0000728	
water	redox_potential	redox potential	MIXS:0000182	
water	salinity	salinity	MIXS:0000183	
water	samp_store_dur	sample storage duration	MIXS:0000116	
water	samp_store_loc	sample storage location	MIXS:0000755	
water	samp_store_temp	sample storage temperature	MIXS:0000110	
water	samp_vol_we_dna_ext	sample volume or weight for DNA extraction	MIXS:0000111	
water	silicate	silicate	MIXS:0000184	
water	size_frac_low	size-fraction lower threshold	MIXS:0000735	
water	size_frac_up	size-fraction upper threshold	MIXS:0000736	
water	sodium	sodium	MIXS:0000428	
water	soluble_react_phosp	soluble reactive phosphorus	MIXS:0000738	
water	sulfate	sulfate	MIXS:0000423	
water	sulfide	sulfide	MIXS:0000424	
water	suspend_part_matter	suspended particulate matter	MIXS:0000741	
water	temp	temperature	MIXS:0000113	
water	tidal_stage	tidal stage	MIXS:0000750	
water	tot_depth_water_col	total depth of water column	MIXS:0000634	
water	tot_diss_nitro	total dissolved nitrogen	MIXS:0000744	
water	tot_inorg_nitro	total inorganic nitrogen	MIXS:0000745	
water	tot_nitro	total nitrogen concentration	MIXS:0000102	
water	tot_part_carb	total particulate carbon	MIXS:0000747	
water	tot_phosp	total phosphorus	MIXS:0000117	
water	turbidity	turbidity	MIXS:0000191	
water	water_current	water current	MIXS:0000203	

Checklists	MIXS ID	Environmental Packages	MIXS ID	ID space:	terms: 7 numbers
MIXS	MIXS:0010000				
MIGS	MIXS:0010001	air	MIXS:0016000		range: MIXS:0000001 to MIXS:0001106
MIGS_EU	MIXS:0010002	built-environment	MIXS:0016001		term range up to : MIXS:0005000
MIGS_BA	MIXS:0010003	host-associated	MIXS:0016002		Checklist range: MIXS:0010000 - MIXS:0015000
MIGS_PL	MIXS:0010004	human-associated	MIXS:0016003		Package range: MIXS:0016000-0017000
MIGS_VI	MIXS:0010005	human-gut	MIXS:0016004		
MIGS_ORG	MIXS:0010006	human-oral	MIXS:0016005		
ME	MIXS:0010007	human-skin	MIXS:0016006		
MIMARKS_S	MIXS:0010008	human-vaginal	MIXS:0016007		
MIMARKS_C	MIXS:0010009	microbial mat/biofilm	MIXS:0016008		
MISAG	MIXS:0010010	miscellaneous natural or artificial environment	MIXS:0016009		
MIMAG	MIXS:0010011	plant-associated	MIXS:0016010		
MIUVIG	MIXS:0010012	sediment	MIXS:0016011		
		soil	MIXS:0016012		
(in reserve)		wastewater/sludge	MIXS:0016013		
MiBiG	MIXS:0010013	water	MIXS:0016014		
		hydrocarbon resource-cores	MIXS:0016015		
		hydrocarbon resource-fluids/swabs	MIXS:0016016		
		plant	MIXS:0016017		
		agriculture	MIXS:0016018		
		food-animal and animal feed	MIXS:0016019		
		food-farm environment	MIXS:0016020		
		food-food production facility	MIXS:0016021		
		food-human foods	MIXS:0016022		
		symbiont-associated	MIXS:0016023		

ID space:	terms: 7 numbers			
	range: MIXS:0000001 to MIXS:0001106			
	term range up to : MIXS:0005000			
		New IDs for MixS v6.0 terms	start with MIXS:0001107	
	Checklist range: MIXS:0010000 - MIXS:0015000			
	Package range: MIXS:0016000-0017000			