```
cardio-ukbb_CAD(negative control trait)_pos
cardio-ukbb_CAD(negative control trait)_neg
Autoimmune_thyroid_Graves_disease_neg
Autoimmune_thyroid_Hashimotos_disease_neg
                                                                                                                                                                                                              Autoimmune_thyroid_Hashimotos_disease_pos
Autoimmune_Inflammatory_bowel_disease_neg
MAGIC_FI-EUR(negative_control_trait)_neg
Autoimmune_Inflammatory_bowel_disease_pos
                                                                                                                                              Autoimmune_Celiac_neg
                                                                                                                                                                              MAGIC_HbAlc-EUR_neg
```

diamante_T2D-European_neg MAGIC_FG-EUR_pos MAGIC_FI-EUR(negative_control_trait)_pos

MAGIC_FG-EUR_neg

Autoimmune_thyroid_Graves_disease_pos diamante_T2D-European_pos Autoimmune_Ankylosing_spondylitis_neg

MAGIC_HDA1c-EUR_pos

seropositivity measuremer seropositivity measuremer

CD8 on CD8br panel TBNK pos

CD4 on activated Treg panel Treg pos

CD25 on CD4 Treg panel Treg pos

CD20 on memory B cell panel B cell neg

CD38 on Igh+ CD38dim panel B cell pos

CD45 on lymphocyte panel TBNK neg

CD45 on lymphocyte panel TBNK neg

CD45 on antibody seropositivity; rhewmatoid factor

T cell pos

on CD4+ panel Maturation stages of T cel CD28 on CD4 Treg panel Treg neg CD20 on memory B cell panel B cell pos CD4 on activated Treg panel_Treg_neg

HVEM

HLA DR on monocyte panel Monocyte pos

CD8 on CD8br_panel_TBNK_neg on CD4+_panel_Maturation stages of

HVEM

Autoimmune_Ankylosing_spondylitis_pos

7years_neg

childhood-bmi

childhood-bmi_3years_neg

Autoimmune_Celiac_pos HLA DR on monocyte_panel_Monocyte_neg

T cell_neg

rthritis; anti-citrullinated protein antibody seropositivity; rheumatoid factor CD123 on plasmacytoid DC_panel_cDC_neg CD25 on CD4 Treg_panel_Treg_neg

BAFF-R on memory B cell_panel_B cell_pos CD25 on CD24+ CD27+ panel_B cell_neg CD19 on memory B cell_panel_B cell_pos

__3years_pos___7years_pos

childhood-bmi childhood-bmi

TBNK pos

CD28 on CD4 Treg_panel_Treg_pos

CD45 on lymphocyte panel

cell_pos

aive CD4+ panel_Maturation stages of T CD38 on IgD+ CD38dim_panel_B cell_neg CD19 on memory B cell_panel_B cell_neg BAFF-R on memory B cell_panel_B cell_ne

naive CD4+_panel

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on plasmacytoid DC panel cDC pos

on CD24+ CD27+_panel_B cell_pos

CD25 CD123

neg

CCR7 on naive CD4+ panel Maturation stages of T cell_neg