```
rthritis; anti-citrullinated protein antibody seropositivity; rheumatoid factor seropositivity measuremer
Autoimmune Ankylosing spondylitis_pos
childhood-bmi_7years_pos
childhood-bmi_3years_pos
childhood-bmi_7years_pos
```

```
cardio-ukbb_CAD(negative control trait)_pos
cardio-ukbb_CAD(negative control trait)_neg
                                _disease_neg
Autoimmune_Ankylosing_spondylitis_neg
Autoimmune_thyroid_Hashimotos_disease_n
                                                           Autoimmune thyroid Graves disease_neg
diamante_T2D-European_neg
```

Autoimmune_Coliac_neg
childhood-bmi_3years neg
Autoimmune_Inflammatory_bowel_disease_neg
MAGIC_FI-EUR(negative control trait)_pos

MAGIC HDA1c-EUR neg MAGIC_FG-EUR_pos

disease pos diamante_T2D-European_pos Autoimmune_thyroid_Hashimotos_disease_pos MAGIC_HbAlc-EUR_pos Autoimmune_thyroid_Graves_disease_pos Autoimmune_Inflammatory_bowel_ MAGIC_FG-EUR_neg

factor seropositivity measuremer MAGIC FI-EUR(negative control trait) neg CD19 on memory B cell panel B cell neg BAFF-R on memory B cell panel B cell neg BAFF-R on memory B cell panel B cell neg CD123 on plasmacytoid DC panel of CD123 on plasmacytoid DC panel of CD123 on plasmacytoid DC panel of CD25 on CD4 Treg panel Treg neg CD25 on CD4+ CD27+ panel B cell pos CD25 on CD24+ CD27+ panel B cell pos CD25 on CD24+ CD27+ panel B cell pos CD25 on CD24+ CD27+ panel B cell neg

cell_pos 800 HLA DR on monocyte panel Monocyte pos CD8 on CD8br panel TBNK neg CD20 on memory B cell panel B cell pos on CD4+ panel Maturation stages of T cell. HVEM

CD4 on activated Treg panel_Treg neg
CD19 on memory B cell_panel_B cell_pos
CD45 on lymphocyte_panel_TBNK_pos
CCR7 on naive CD4+ panel_Maturation stages of T
CD28 on CD4 Treg_panel_Treg_pos
CD38 on IgD+ CD38dim_panel_B cell_neg CD20 on memory B cell panel B cell neg HIA DR on monocyte panel Monocyte neg CD8 on CD8br panel TBNK pos CD38 on IgD+ CD38dim panel B cell pos

T cell_neg

CD28 on CD4 Treg_panel_Treg_neg CD25 on CD4 Treg_panel_Treg_pos CD45 on lymphocyte_panel_TBNK_neg

HVEM on CD4+_panel_Maturation stages of T cell_neg CCR7 on naive CD4+_panel_Maturation stages of T cell_

CD4 on activated Treg_panel_Treg_pos