```
Autoimmune_thyroid_Graves_disease_neg
Autoimmune_thyroid_Hashimotos_disease_neg
MAGIC_HbAlc-EUR_pos
```

```
. trait)_neg
rheumatoid factor seropositivity measuremer
                                                      MAGIC_FI-EUR(negative control trait)_neg
Autoimmune_thyroid_Graves_disease_pos
diamante_T2D-European_pos
                                     MAGIC_FG-EUR_neg
                                                                                                                MAGIC FG-EUR pos
```

Autoimmune_Inflammatory_bowel_disease_pos

diamante_T2D-European_neg Autoimmune_Celiac_neg

Autoimmune_thyroid_Hashimotos_disease_pos childhood-bmi_3years_neg

MAGIC HDA1c-EUR neg

Autoimmune_Ankylosing_spondylitis_pos

Autoimmune Ankylosing_spondylitis_neg MAGIC_FI-EUR(negative control trait)_pos

MAGIC_FI-EUR(negative_v....Autoimmune_Inflammatory_bowel_disease_n Autoimmune_Inflammatory_bowel_disease_n CD25 on CD24+ CD27+_panel_B cell_pos

childhood-bmi_Tyears_neg

CD28 on CD4 Treg_panel_Treg_pos

CD45 on lymphocyte_panel_Treg_pos

CD123 on pemory B cell_panel_B cell_pos

CD28 on CD4 Treg_panel_B cell_pos

HVEM on CD4 Treg_panel_Treg_neg

HVEM on CD4+panel_Maturation stages of T cell_neg

BAFF-R on memory B cell_panel_B cell_neg

Autoimmune_Celiac_pos

of T cell_pos

CCR7 on naive CD4+ panel Maturation stages of T CD20 on memory B cell_panel_B cell_pos

CD4 on activated Treg panel Treg pos CD25 on CD4 Treg panel Treg pos on CD4+ panel Maturation stages of T cell pos HLA DR on monocyte panel Monocyte pos

disease_neg

CD4 on activated Treg panel Treg neg
CD25 on CD4 Treg panel Treg neg
CCR7 on naive CD4+ panel Maturation stages of T cell neg
CD25 on CD24+ CD27+ panel B cell neg
BAFF-R on memory B cell panel B cell pos

CD38 on IgD+ CD38dim panel B cell pos

CD8br_panel_TBNK_neg

childhood-bmi_3years_pos childhood-bmi_7years_pos CD20 on memory B cell_panel_B cell_neg

HLA DR on monocyte_panel_Monocyte_neg CD45 on lymphocyte_panel_TBNK_neg

CD8 on CD8br_panel_TBNK_pos CD19 on memory B cell_panel_B cell_neg CD38 on IgD+ CD38dim_panel_B cell_neg CD123 on plasmacytoid DC_panel_cDC_neg