```
Autoimmune_Ankylosing_spondylitis_neg
Autoimmune_Inflammatory_bowel_disease_pos
                                                    Autoimmune_Ankylosing_spondylitis_pos
Autoimmune_Celiac_neg
childhood-bmi_7years_neg
                                                                                    childhood-bmi_3years_neg
```

on CD4+ panel_Maturation stages of T cell_neg CD8 on CD8br panel_TBNK_pos CD4 on activated Treg_panel_Treg_pos CD25 on CD4 Treg_panel_Treg_pos diamante_T2D-European_neg
Autoimmune_thyroid_Graves_disease_neg
Autoimmune_thyroid_Hashimotos_disease_neg
cardio-ukbb_CAD(negative_control_trait)_pos
cardio-ukbb_CAD(negative_control_trait)_neg disease_pos disease_neg Autoimmune_thyroid_Graves_disease_pos diamante_T2D-European_pos MAGIC_HAld-EUR_pos MAGIC_FI-EUR (negative_control_trait)_neg MAGIC_FI-EUR(negative control trait)_pos Autoimmune_Celiac_pos HLA DR on monocyte_panel_Monocyte_pos HLA DR on monocyte_panel_Monocyte_neg MAGIC HDA1c-EUR neg Autoimmune_thyroid_Hashimotos_ Autoimmune_Inflammatory_bowel_ MAGIC_FG-EUR_pos MAGIC_FG-EUR_neg

cell pos of T cell_pos CD45 on lymphocyte_panel_Treg_pos CD28 on CD4 Treg_panel_Treg_pos CD123 on plasmacytoid DC_panel_cDC_pos naive CD4+ panel_Maturation stages of T CD19 on memory B cell_panel_B cell_neg CD25 on CD24+ CD27+_panel_B cell_neg CD20 on memory B cell_panel_B cell_pos CD20 on memory B cell_panel_B cell_pos CD19 on memory B cell panel_B cell_r CD45 on lymphocyte_panel_TBNK_pos on CD4+_panel_Maturation stages CCR7 on HVEM

rthritis; anti-citrullinated protein antibody seropositivity; rheumatoid factor cDC_neg _Treg_neg CD8 on CD8br_panel_TBNK_neg CD123 on plasmacytoid DC_panel_CDC CD25 on CD4 Treg_panel_Treg_ne

seropositivity measuremer seropositivity measuremer rthritis; anti-citrullinated protein antibody seropositivity; rheumatoid factor childhood-bmi_3years pos childhood-bmi_7years_pos CD38 on IgD+ CD38dim_panel_B cell_neg CD4+_panel_Maturation stages of T cell_neg BAFF-R on memory B cell_panel_B cell_pos CD25 on CD24+ CD27+_panel_B cell_neg CD4 on activated Treg_panel_Treg_neg TBNK neg CD28 on CD4 Treg_panel_Treg_neg CD45 on lymphocyte_panel_TBNK_neCD38 on IgD+ CD38dim_panel_B cell_ CD20 on memory B cell_panel on naive CCR7