```
CUEV. ON DEALVE LEAGUE STATE PARKET POS Childhood-bmi_3years pos Childhood-bmi_3years pos Childhood-bmi_7years pos Childhood-bmi_7years pos Childhood-bmi_7years pos Childhood-bmi_7years pos Childhood-bmi_7years pos Childhood-bmi_7years pos Childhood-bmi_8 cell pos Childhood-bmi_8 cell pos Childhood-bmi_8 cell pos Childhood-bmi_8 cell neg Childhood-bmi_3years_neg Autoimmune Ankylosing spondylitis_neg Childhood-bmi_3years_neg Autoimmune_Inflammatory_bowel_disease_neg
CCR7 on naive CD4+_panel_Maturation stages of T cell_neg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Autoimmune Ankylosing spondylitis pos
cardio-ukbb_CAD(negative control trait)_pos
Autoimmune_thyroid Hashimotos_disease_neg
Autoimmune_thyroid Graves disease_neg
autoimmune_thyroid Graves disease_neg
cardio-ukbb CAD(negative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cardio-ukbb_card(negative_control_trait)_neg
Autoimmune_Celiac_neg
Autoimmune_Inflammatory_bowel_disease_pos
                                                                                                                                                                                                                                                                                                                                                                                                            Autoimmune_Inflammatory_bowel_dis
MAGIC_HDALC-EUR_neg
childhood-bmi_7years_neg
all rheumatoid arthritis EAS_
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cell pos

all rheumatoid arthritis EAS neg
MAGIC_FI-EUR(negative control trait)_neg
CD19 on memory B cell panel_B cell pos
CD45 on lymphocyte panel_TBNK_pos
CD123 on plasmacytoid DC_panel_CDC_pos
CD28 on CD4+ CD27+ panel_Treg_pos
CD25 on CD24+ CD27+ panel_B cell_pos
on naive CD4+ panel_Maturation stages of T cel
CD38 on IgD+ CD38dim_panel_B cell_neg

CCR7 on

Autoimmune thyroid Graves disease pos Autoimmune thyroid Hashimotos disease pos MAGIC_HDAIc-EUR_pos

MAGIC_FI-EUR(negative control trait)_pos

Autoimmune_Inflammatory_bowel_MAGIC_FG-EUR_neg MAGIC_FG-EUR_pos

diamante T2D-European pos

god

 $^{
m Lpos}_{
m T}$ cell_

HIA DR on monocyte panel Monocyte pos CD20 on memory B cell panel B cell pos on CD4+ panel Maturation stages of T cel CD8 on CD8br panel TBNK neg CD123 on plasmacytoid DC panel cDC neg CD25 on CD4 Treg panel Treg neg CD4 on activated Treg panel Treg neg

cell_neg

HLA DR on monocyte panel Monocyte neg CD38 on IgD+ CD38dim panel B cell pos CD20 on memory B cell panel B cell neg CD8 on CD8br panel TBNK pos CD4 on activated Treg panel Treg pos CD25 on CD4 Treg panel Treg pos

Autoimmune_Celiac_pos

CD28 on CD4 Treg panel Treg neg CD45 on lymphocyte panel TBNK neg CD4+ panel Maturation stages of T

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HVEM