

arthritis; anti-citrullinated protein antibody seropositivity; rheumatoid factor seropositivity measurement

BAFF-R on memory B cell\_panel\_B\_cell\_pos  
Autoimmune Ankylosing spondylitis\_pos  
childhood-bmi\_7years\_neg  
childhood-bmi\_3years\_pos  
childhood-bmi\_7years\_pos  
Autoimmune Ankylosing spondylitis\_neg  
MAGIC\_FI-EUR(negative control trait)\_neg  
MAGIC\_FG-EUR\_neg  
dianante\_T2D-European\_neg  
cardio-ukbb\_CAD(negative control trait)\_pos  
cardio-ukbb\_CAD(negative control trait)\_neg  
Autoimmune thyroid Graves disease\_neg  
Autoimmune\_thyroid\_Hashimotos\_disease\_neg  
MAGIC\_FI-EUR(negative control trait)\_pos  
MAGIC\_HbA1c-EUR\_neg  
MAGIC\_FG-EUR\_pos  
Autoimmune Celiac\_neg  
dianante\_T2D-European\_pos  
Autoimmune thyroid Hashimotos\_disease\_pos  
Autoimmune Inflammatory bowel disease\_pos  
Autoimmune Inflammatory bowel disease\_neg  
childhood-bmi\_3years\_neg  
Autoimmune thyroid Graves disease\_pos  
MAGIC\_HbA1c-EUR\_pos  
HLA DR on monocyte\_panel\_Monocyte\_pos  
HVEM on CD4+\_panel\_Maturation stages of T cell\_pos  
CD8 on CD8br\_panel\_TBNK\_neg  
CD20 on memory B cell\_panel\_B\_cell\_pos  
CD4 on activated Treg\_panel\_Treg\_neg  
CD38 on IgD+ CD38dim\_panel\_B\_cell\_neg  
CD25 on CD4 Treg\_panel\_Treg\_neg  
CD19 on memory B cell\_panel\_B\_cell\_pos  
CD45 on lymphocyte\_panel\_TBNK\_pos  
CD28 on CD4 Treg\_panel\_Treg\_pos  
CCR7 on naive CD4+\_panel\_Maturation stages of T cell\_pos  
CD25 on CD24+ CD27+\_panel\_B\_cell\_pos  
CD25 on CD24+ CD27+\_panel\_B\_cell\_neg  
CD123 on plasmacytoid DC\_panel\_cDC\_pos  
CD123 on plasmacytoid DC\_panel\_cDC\_neg  
Autoimmune Celiac\_pos  
CD19 on memory B cell\_panel\_B\_cell\_neg  
BAFF-R on memory B cell\_panel\_B\_cell\_neg  
HVEM on CD4+\_panel\_Maturation stages of T cell\_neg  
CD38 on IgD+ CD38dim\_panel\_B\_cell\_pos  
CCR7 on naive CD4+\_panel\_Maturation stages of T cell\_neg  
CD25 on CD4 Treg\_panel\_Treg\_pos  
CD45 on lymphocyte\_panel\_TBNK\_neg  
CD28 on CD4 Treg\_panel\_Treg\_neg  
HLA DR on monocyte\_panel\_Monocyte\_neg  
CD8 on CD8br\_panel\_TBNK\_pos  
CD4 on activated Treg\_panel\_Treg\_pos  
CD20 on memory B cell\_panel\_B\_cell\_neg