

. protein antibody seropositivity; rheumatoid factor seropositivity measurement mul

Autoimmune Ankylosing spondylitis\_neg  
Autoimmune thyroid Graves disease\_pos  
diamante T2D-European\_pos  
MAGIC FI-EUR(negative control trait)\_neg  
Autoimmune\_Inflammatory\_bowel\_disease\_neg  
MAGIC\_FG-EUR\_neg  
MAGIC\_FG-EUR\_pos  
MAGIC FI-EUR(negative control trait)\_pos  
Autoimmune thyroid Hashimoto's disease\_pos  
Autoimmune\_Inflammatory\_bowel\_disease\_pos  
diamante T2D-European\_neg  
Autoimmune\_thyroid\_Graves\_disease\_neg  
Autoimmune\_thyroid Hashimoto's disease\_neg  
cardio-ukbb CAD(negative control trait)\_pos  
cardio-ukbb CAD(negative control trait)\_neg  
MAGIC\_HbA1c-EUR\_pos  
all rheumatoid arthritis EAS\_neg  
childhood-bmi\_3years\_pos  
childhood-bmi\_7years\_pos  
Autoimmune\_Celiac\_neg  
all rheumatoid arthritis EAS\_pos  
MAGIC\_HbA1c-EUR\_neg  
childhood-bmi\_7years\_neg  
Autoimmune Ankylosing\_spondylitis\_pos  
childhood-bmi\_3years\_neg  
Autoimmune\_Celiac\_pos  
HLA\_DR\_on\_monocyte\_panel\_Monocyte\_neg  
CD45\_on\_lymphocyte\_panel\_TBANK\_neg  
CD38\_on\_IgD+ CD38dim\_panel\_B\_cell\_pos  
CD20\_on\_memory\_B\_cell\_panel\_B\_cell\_neg  
CD4\_on\_activated\_Treg\_panel\_Treg\_neg  
CD28\_on\_CD4\_Treg\_panel\_Treg\_neg  
CCR7\_on\_naive\_CD4+\_panel\_Maturation\_stages\_of\_T\_cell\_neg  
CD38\_on\_IgD+ CD38dim\_panel\_B\_cell\_neg  
BAFF-R\_on\_memory\_B\_cell\_panel\_B\_cell\_pos  
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CD25\_on\_CD24+\_panel\_B\_cell\_neg  
CD8\_on\_CD8br\_panel\_TBANK\_neg  
CD123\_on\_plasmacytoid\_DC\_panel\_cDC\_neg  
CD25\_on\_CD4\_Treg\_panel\_Treg\_neg  
HLA\_DR\_on\_monocyte\_panel\_Monocyte\_pos  
HVEM\_on\_CD4+\_panel\_Maturation\_stages\_of\_T\_cell\_pos  
HVEM\_on\_CD4+\_panel\_Maturation\_stages\_of\_T\_cell\_neg  
CD8\_on\_CD8br\_panel\_TBANK\_pos  
CD4\_on\_activated\_Treg\_panel\_Treg\_pos  
CD25\_on\_CD4\_Treg\_panel\_Treg\_pos  
CD123\_on\_plasmacytoid\_DC\_panel\_cDC\_pos  
CCR7\_on\_naive\_CD4+\_panel\_Maturation\_stages\_of\_T\_cell\_pos  
CD19\_on\_memory\_B\_cell\_panel\_B\_cell\_neg  
CD25\_on\_CD24+\_panel\_B\_cell\_pos  
BAFF-R\_on\_memory\_B\_cell\_panel\_B\_cell\_neg  
CD20\_on\_memory\_B\_cell\_panel\_B\_cell\_pos  
CD19\_on\_memory\_B\_cell\_panel\_B\_cell\_pos  
CD45\_on\_lymphocyte\_panel\_TBANK\_pos  
CD28\_on\_CD4\_Treg\_panel\_Treg\_pos